

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, June 21, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Tropical Storm Cindy - Central Gulf of Mexico

*Source: National Weather Service - June 21, 2017*

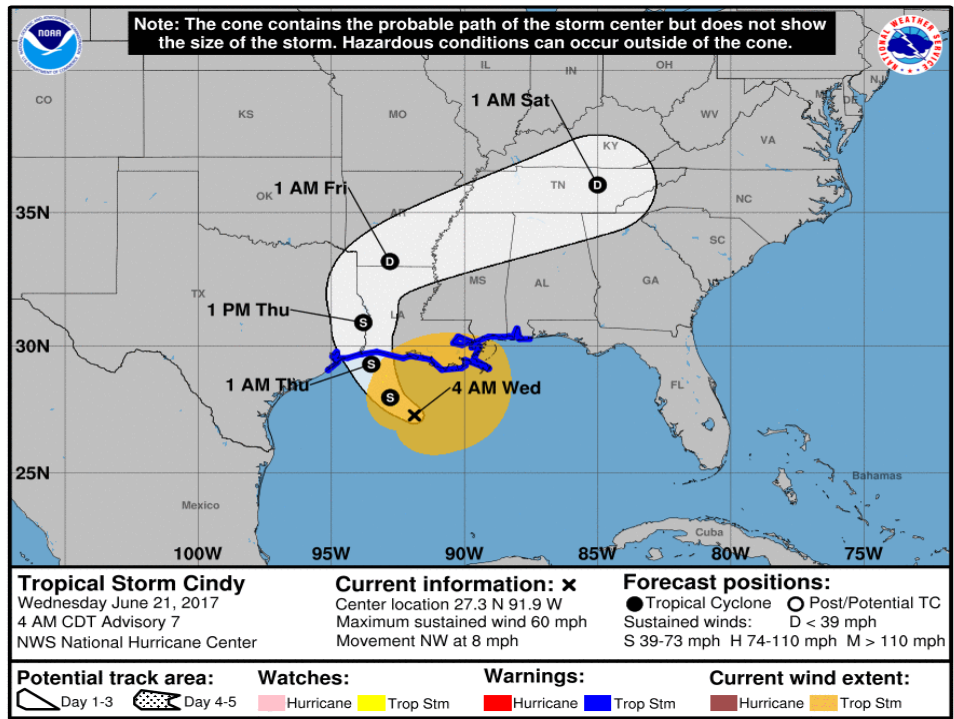
### **General Situation**

As of 5:00 a.m. EDT, Tropical Storm Cindy was approximately 170 miles south-southwest of Morgan City, Louisiana. Cindy is moving toward the northwest near 8 miles per hour (mph), and this motion is expected to continue today. A turn toward the north-northwest and then toward the north is expected tonight and early Thursday. On the forecast track, the center of Cindy will approach the coast of southwest Louisiana and southeast Texas late today or tonight, and move inland over southeastern Texas or southwestern Louisiana on Thursday. Maximum sustained winds are near 60 mph with higher gusts. Little change in strength is expected today. Slight weakening is forecast to begin on Thursday. Tropical-storm-force winds extend outward up to 275 miles, mainly north through northeast of the center.

Cindy is expected to produce total rain accumulations of 6 to 9 inches with isolated maximum amounts of 12 inches over southeastern Louisiana, southern Mississippi, southern Alabama, and the Florida Panhandle through Thursday. This rainfall could cause life-threatening flash flooding in these areas. Rainfall amounts of 3 to 5 inches with isolated maximum amounts of 6 inches can be expected farther west across western Louisiana and eastern Texas through Thursday. Rainfall should spread northeastward across Arkansas and into portions of the

Tennessee and Ohio valleys through Friday, with total rain accumulations of 3 to 5 inches with locally higher amounts possible. Tropical storm conditions are affecting portions of the northern Gulf of Mexico coast over the eastern part of the warning area. These conditions should spread westward within the warning area through early Thursday. A few tornadoes are possible this morning through tonight from the western Florida Panhandle to southern Louisiana.

A Tropical Storm Warning is in effect for New Orleans, Louisiana, Lake Pontchartrain, Louisiana, and from San Luis Pass, Texas to the border of Alabama and Florida.



## Department of the Interior Bureau Reports - Tropical Storm Cindy

### U.S. Fish & Wildlife Region 4 (FW4)

Members of the Southeast Region Emergency Management Team (SRMT) continue to monitor the track of Tropical Storm Cindy and work with stations within Louisiana as they implement their station's All-Hazards Disaster Plan (AHDP) in anticipation of forthcoming heavy rain, winds, and flooding.

Although flooding and tornado impacts are forecast along the Louisiana and Texas coastline, primary planning and preparedness efforts for the Southeast Region have centered on potential landfall stations within the Southwest Louisiana Refuge Complex which include:

- Sabine National Wildlife Refuge (NWR)
- Cameron Prairie NWR
- Lacassine NWR

- Shell Keys NWR. Complex

Staff worked throughout the day yesterday to complete AHDP actions, finalize field work projects, and secure equipment and facilities.

The Region's Disaster Operations Office (DOO) is currently operating at an enhanced level.

### **U.S. Bureau of Reclamation (USBR)**

Currently, USBR has one employee potentially in the path of the storm and who resides on the outskirts of the predicted storm track into Louisiana.

McGee Creek Dam in Oklahoma potentially is in the prediction track. There are no impacts from the storm expected at the facility.

### **U.S. Bureau of Safety and Environmental Enforcement (BSEE)**

The Emergency Operations Center (EOC) in Elmwood Tower is open and staff are monitoring the situation. No closures are expected at this time, but the EOC will continue to update as circumstances change.

### **U.S. National Park Service (NPS)**

The NPS has a hurricane coordination call scheduled for 10:00 a.m. EDT on Wednesday, June 21. Currently, there are no impacts to NPS personnel, lands, and/or facilities as a result of the storm.

### **Other Agencies**

The Federal Emergency Management Agency (FEMA) Regional Response Coordination Center (RCCC) in Denton, Texas has been activated and the offices in Washington, DC, Georgia, and FEMA's Liaisons to the National Hurricane Center in Miami, Florida, are actively monitoring the track of the storm.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 21, 2017*

### **Arizona**

#### **Maggie Fire**

- Start Date: June 18
- Location: Yavapai County, AZ (Bureau of Land Management)
- Burned Acres: 1,400 (no change)
- Containment: 75-percent (+25)
- Management: Type-4 IMT

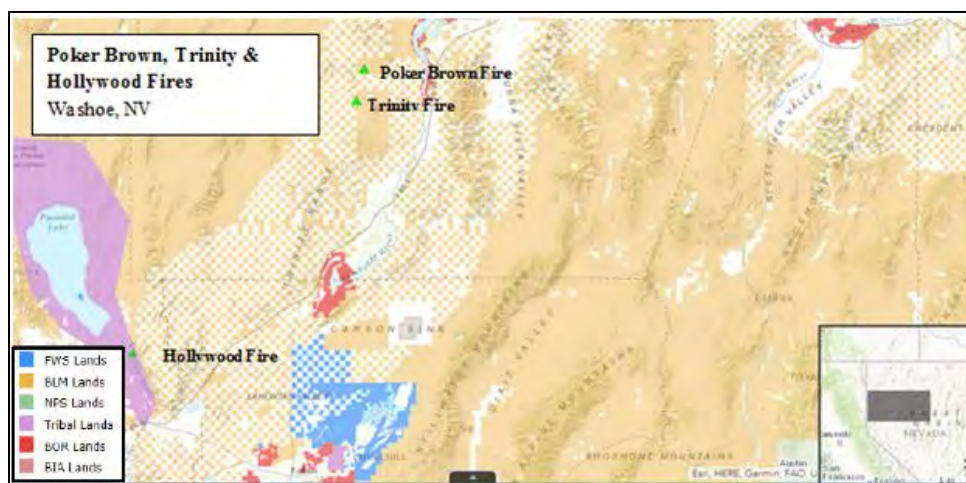
- Personnel Assigned / DOI: 16 (-93) / 4 (-54)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-6) / 0
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 2 / 0 (+1)
- Containment Date: June 23

Comments: Fire activity was described as minimal during this observation period. The fire transitioned to a Type 4 IMT yesterday, and is in a patrol and monitor status.



IGEMS Image

## Nevada



IGEMS Image

## **Poker Brown (Initial)**

- Start Date: June 19
- Location: Pershing County, NV (BLM)
- Burned Acres: 10,000
- Containment: 20-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 42 / 20
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 22

Comments: There is moderate fire spread to the east, where there is no dozer line or retardant line. There is a low threat to life, property, and communities at this time. Full containment expected this evening.

### **Trinity (Initial)**

- Start Date: June 20
- Location: Pershing County, NV (BLM)
- Burned Acres: 8,000
- Containment: 5-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 10 / 2
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 23

Comments: Active fire behavior was observed with running and flanking behavior. Short range spotting due to high temperatures and winds are a factor due to passing thunderstorms and dry lightning. There is a low threat to life, property, and communities at this time.

### **Hollywood (Initial)**

- Start Date: June 19
- Location: Washoe, NV (BLM)
- Burned Acres: 4,300
- Containment: 50-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 135 / 31
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0

- Containment Date: June 23

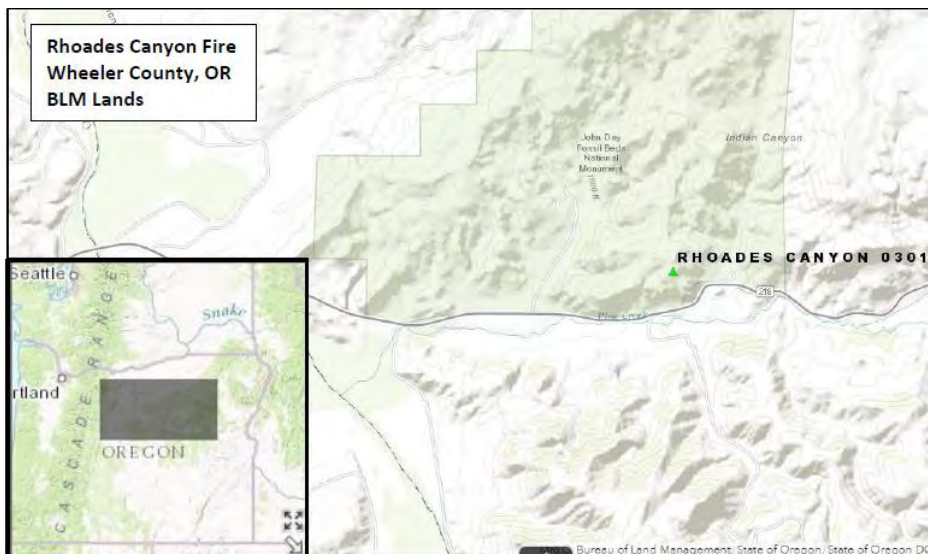
Comments: The Hollywood Fire is 31 miles northeast of Reno, Nevada with a rapid spread due to heavy grass fuels with wind driven and uphill runs noted. There is a low threat to life, property, and communities at this time.

## Oregon

### **Rhoades Canyon (Initial)**

- Start Date: June 20
- Location: Wheeler County, OR (BLM)
- Burned Acres: 1,500
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 60 / 17
- Structures Threatened-Single-Mixed Residential/Commercial: 2 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 26

Comments: Weather conditions over the next 12 hours includes wind shifting that could endanger firefighters and structures.



IGEMS Image

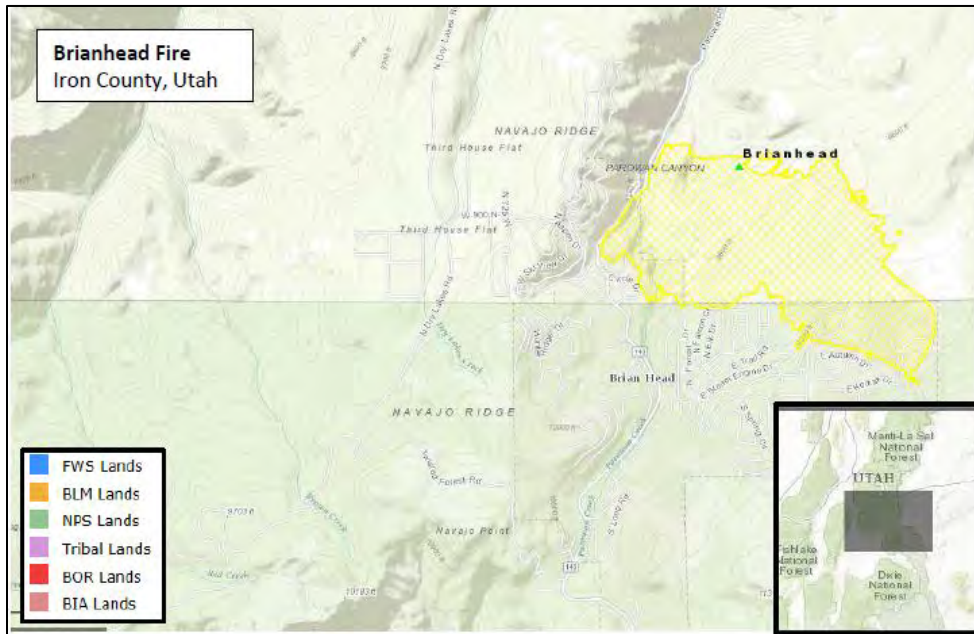
## Utah

### **Brianhead Fire**

- Start Date: June 19

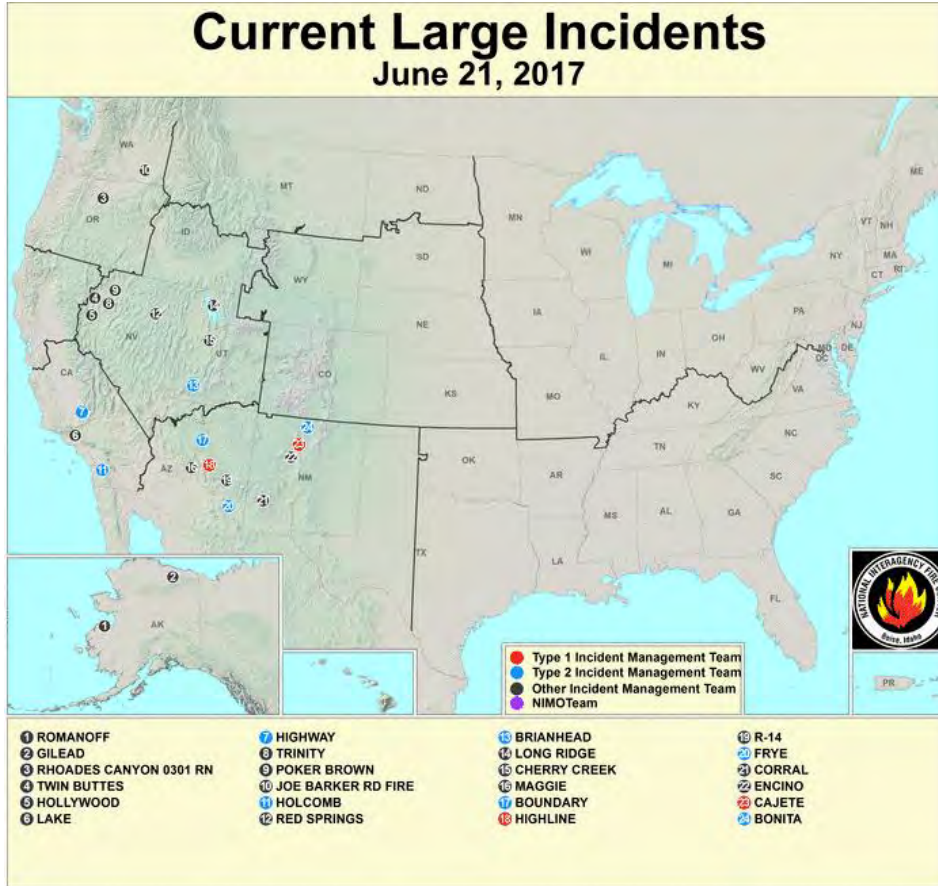
- Location: Iron County, UT (U.S. Forest Service)
- Burned Acres: 1,800 (+824)
- Containment: 15-percent (+11)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 462 (+42) / 93 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 344 / 35 (no change)
- Evacuations / Sheltered in place: 750 / 0 (no change)
- Civilian Injuries / Fatalities: 0 (-2) / 0
- Responder Injuries / Fatalities: 4 (+3) / 0
- Containment Date: July 1

Comments: The fire has breached existing control lines and continues to spread along the North and northeast. A moderate threat exists to the town of Brian Head and evacuations will remain in place. Currently there is a Red Flag warning in effect for June 21.



IGEMS Image

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 21, 2017

### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (152 new fires)
New large fires:	11
Large fires contained:	1
Uncontained large fires: **	17
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	6

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. It is possible for low-level unrest, including explosive activity, to occur that AVO is unable to detect with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano. Bogoslof remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but no activity was observed in seismic or infrasound data during this reporting period. Clouds obscured views in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 20, 2017*

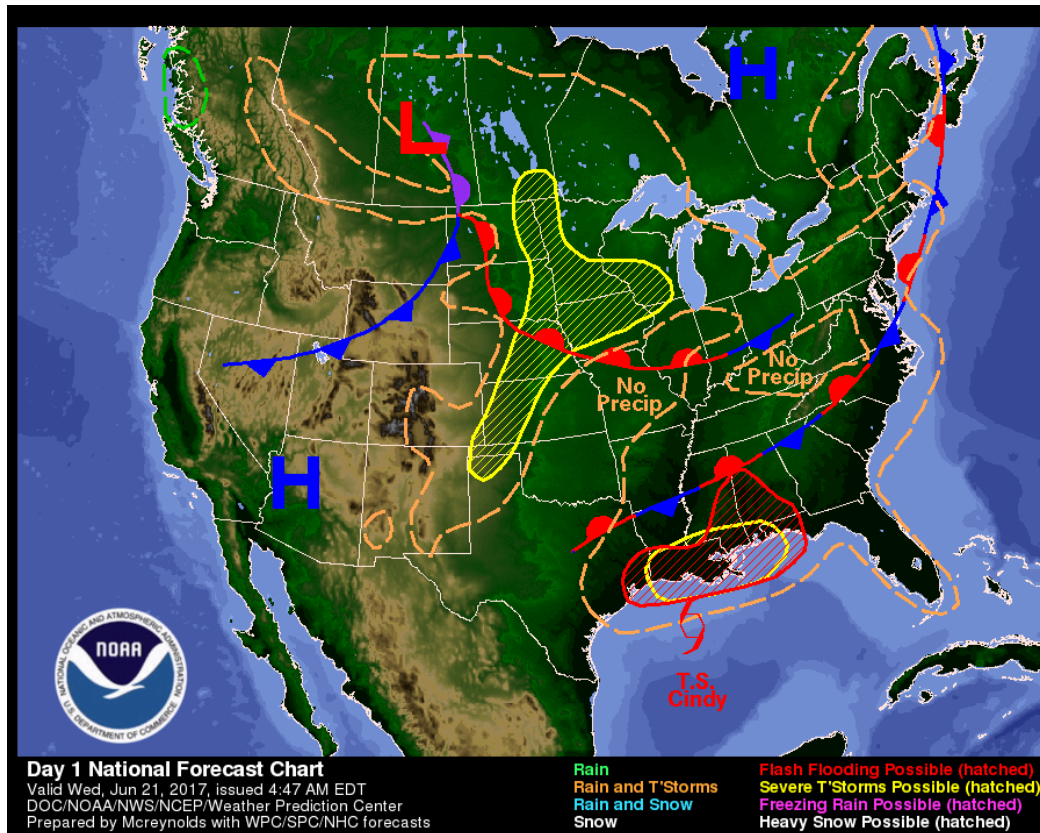
**Alert Level = WATCH**

**Color Code = ORANGE**

No significant changes were noted during this reporting period. Kīlauea Volcano continues to erupt at the summit and the Pu‘u‘ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u‘ō‘ō in the East Rift Zone is entering the ocean at Kamokuna. Surface flows are active above the pali. These lava flows pose no threat to nearby communities at this time. The lava lake surface is approximately 82 feet below the floor of Halema‘uma‘u. Low rates of ground deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - June 21 2017



### Today

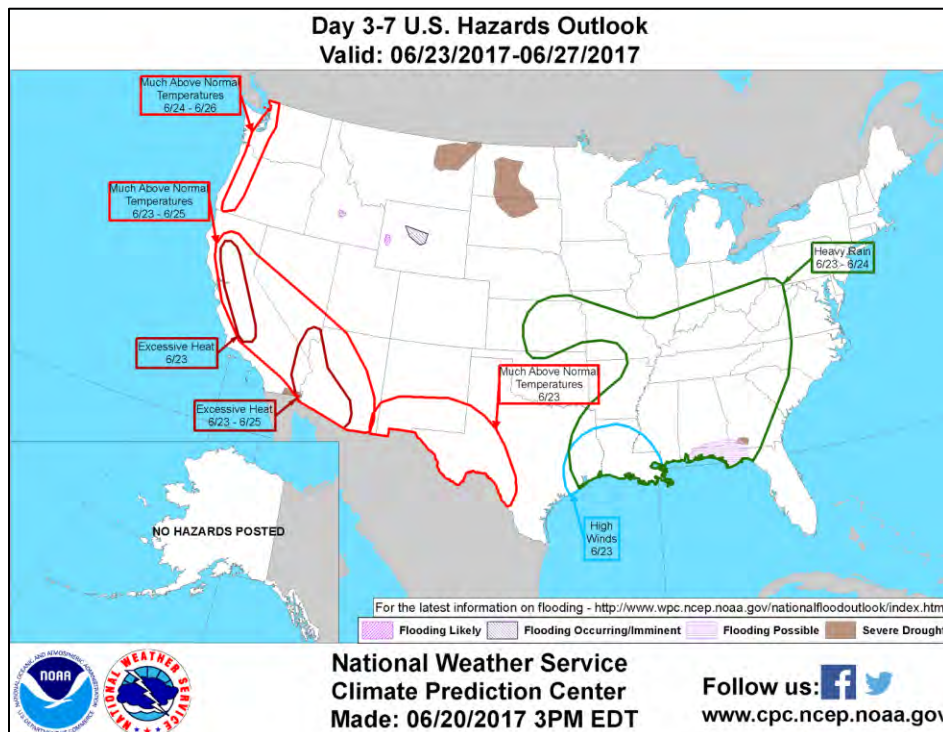
Tropical Storm (TS) Cindy will approach the central Gulf Coastal region and is expected to produce total rain accumulations of 6 to 9 inches with isolated maximum amounts of 12 inches over southeastern Louisiana, southern Mississippi, southern Alabama, and the Florida Panhandle through Thursday. This rainfall could cause life-threatening flash flooding in these areas. Rainfall amounts of 3 to 5 inches with isolated maximum amounts of 6 inches can be expected farther west across western Louisiana and eastern Texas through Thursday. Rainfall should spread northeastward across Arkansas and into portions of the Tennessee and Ohio Valleys through Friday, with total rain accumulations of 3 to 5 inches with locally higher amounts possible. A stationary front will extend from southeast Virginia west across the South into east Texas. Rain and thunderstorms will develop across the Carolinas, Southeast, Deep South, lower Mississippi Valley and Tennessee Valley. Thunderstorms could produce a tornado risk for portions of the north-central Gulf Coast region. Rain and thunderstorms will be scattered across northern New England and portions of the Northeast and Upper Ohio River Valley. A storm system will push into the central and northern Great Plains. Rain and thunderstorms will develop over the Great Lakes, upper Midwest and portions of the Great Plains. Severe thunderstorms are possible from parts of the southern High Plains to the north-central states today and tonight, with the greatest severe thunderstorm potential from parts of the Texas and Oklahoma Panhandles northeast to Minnesota and Wisconsin. Elsewhere, over the Desert

Southwest and interior California, excessive heat continues to persist with temperatures again reaching 120 degrees at some locations. The heat is forecast to abate slightly during the next couple of days but will remain at dangerously high levels.

## Tomorrow

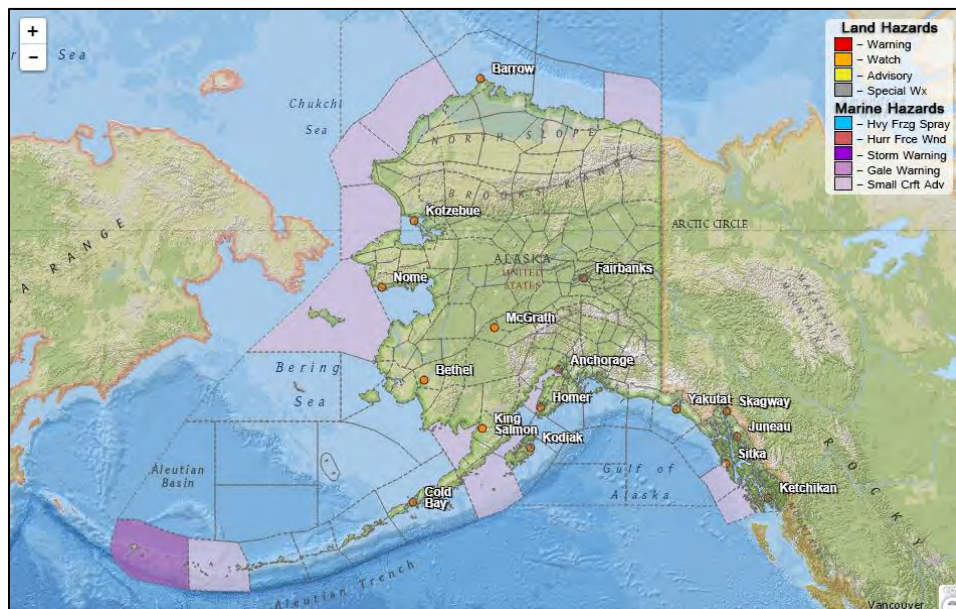
Tropical Storm Cindy is expected to make landfall in the vicinity of the Texas and Louisiana border. Rain and thunderstorms will be widespread across the Gulf Coastal region, Southeast, Tennessee Valley, and southern Appalachians. Heavy rain, flooding, and flash flooding will be a concern for the lower Mississippi Valley region and for the central Gulf Coastal region extending into Alabama. A tornado threat and potential for damaging winds will be possible across the lower Mississippi Valley region as the remnants of Tropical Storm Cindy advance inland. One frontal system will extend through the mid-Atlantic to the western Great Lakes where it will meet another frontal boundary. This boundary will stretch from the western Great Lakes back through the central Plains to the central Rockies. Showers and thunderstorms will develop across the Northeast, mid-Atlantic, Ohio Valley, Great Lakes, Midwest, and central and southwest Plains. Severe thunderstorms are expected Thursday afternoon into Thursday night across portions of the southern Great Lakes through Iowa, Nebraska, northern and western Kansas, and into portions of the central and southern High Plains. A narrow band of heavy rain and possible flash flooding will extend from northern Iowa to northern Michigan. Elsewhere, dry and hot weather conditions will continue from the Rockies to the West Coast. The only exception will be a few lone thunderstorms across parts of the southern Four Corners and central Sierras.

## Weather Hazard Assessment



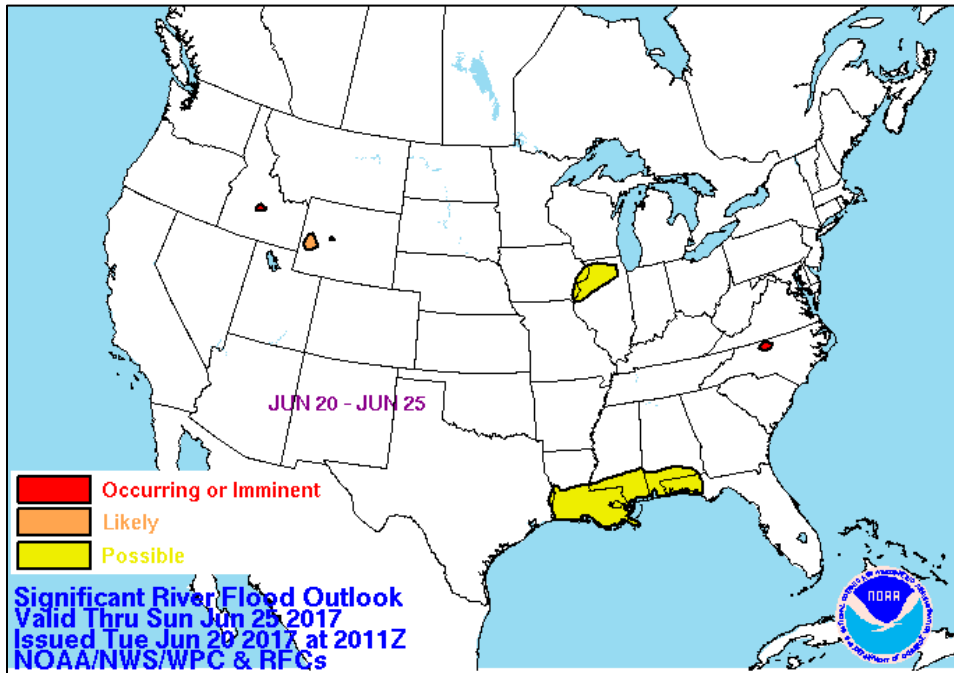
- June 21: Flooding is occurring, imminent, likely, or possible across portions of the northern and central Rockies, and the vicinity of the Florida Panhandle.
- Jun 23: Excessive heat across the Central Valley of California.
- June 21: Severe Drought across the northern Plains, southwestern Georgia, and along the southern California border with Arizona.
- Jun 23: Much above-normal temperatures across portions of the southern High Plains and the extreme southern Rockies.
- Jun 23: High winds for Louisiana and nearby portions of both Texas and Mississippi.
- Jun 23-24: Heavy rain across portions of Kansas, eastern Texas, the middle and lower Mississippi Valley, the southern Ohio and Tennessee valleys, the southern Appalachians, and the east Gulf Coast region including the Florida Panhandle.
- June 23-25: Much above-normal temperatures across most of the California interior, southern and southwestern Nevada, and most of Arizona.
- Jun 24-26: Much above-normal temperatures across portions of the Pacific Northwest.
- Jun 28: Slight risk of much above-normal temperatures for most areas west of the Continental Divide.

## Alaska Weather



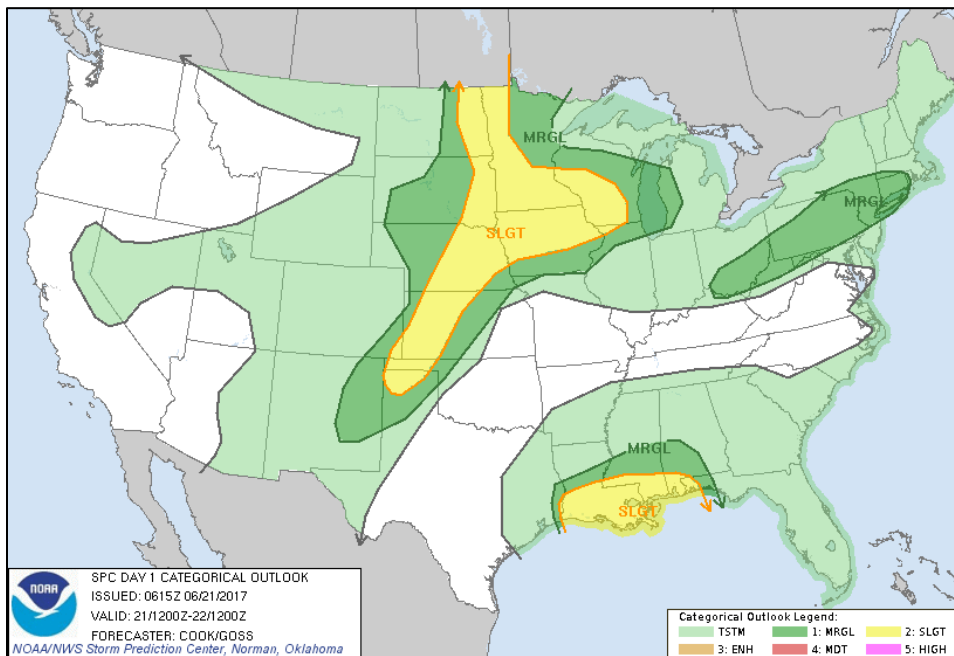
There is a Small Craft Advisory in effect from Adak to Kiska Full, Stikinak to Castle Cape, Cape Beaufort to Wales, Cape Decision to Dixon Entrance, and in Bristol Bay. There is a Brisk Wind Advisory in effect from Flaxman Island to Demarcation Point.

## Significant River Flooding



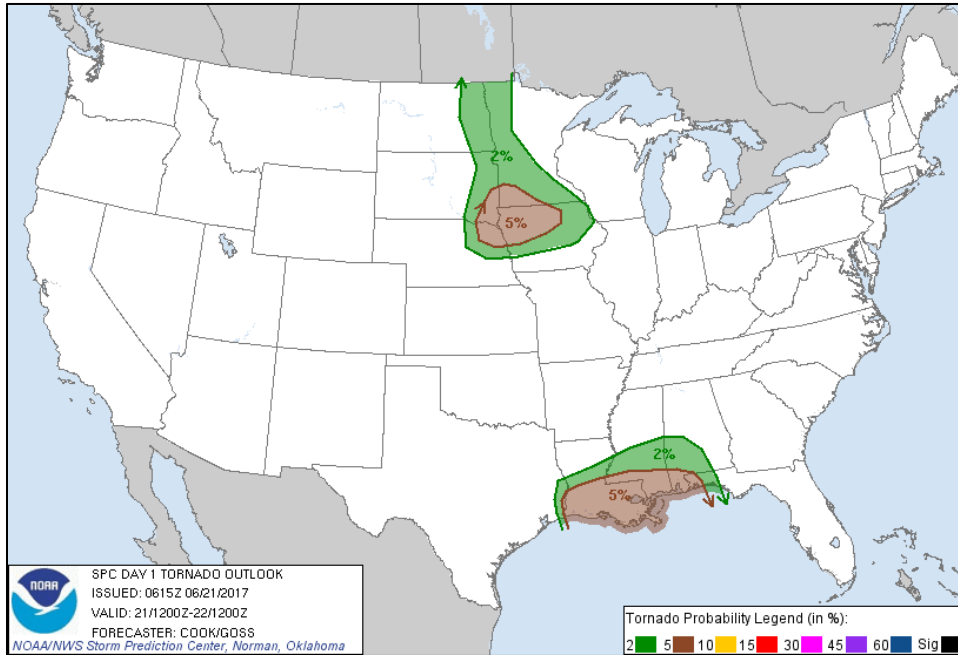
Significant River Flooding is occurring or likely today in central and western Wyoming and central Idaho. Significant River Flooding is possible in the Florida Panhandle, southern Alabama, southern Louisiana, northern Illinois, and southwestern Georgia.

## Severe Weather



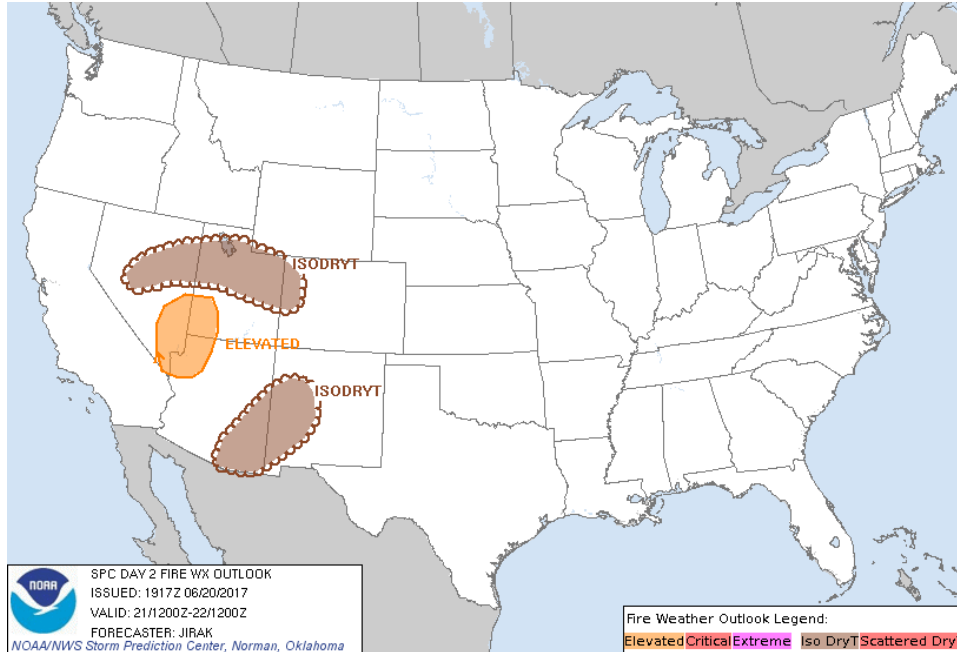
There is a Slight Risk of severe thunderstorms from the Oklahoma and Texas panhandles northward into parts of the mid-Mississippi Valley, Red River Valley region of the Dakotas. Additionally, there is a Slight Risk of severe thunderstorms along the Gulf Coast region of Louisiana, Mississippi, and Alabama. There is a Marginal Risk of severe thunderstorms for eastern New Mexico, north-northeastward to the western Great Lakes, northern Plains, and southeast Texas. Other areas with a Marginal Risk of severe thunderstorms include southwestern Alabama, the Florida Panhandle, southern Ohio, and eastward to southern New England.

## Tornado Weather



There is a 2-percent chance of tornado activity today across parts of the Florida Panhandle, southern Louisiana, southern Alabama, the eastern Dakotas, eastern Nebraska, Minnesota, Iowa, and southern Mississippi. Also, there is an 5-percent chance of tornado activity in southeastern South Dakota, northeastern Nebraska, southwestern Minnesota, northern Iowa, the Florida Panhandle, southern Louisiana, and southern Alabama.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S; however, there is Elevated Fire Weather in southeastern Nevada, southwestern Utah, and northwestern Arizona. There is isolated dry thunderstorm areas across portions of central Nevada, central Utah, western Colorado, southeastern Arizona, and southwestern New Mexico.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
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Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Friday, March 3, 2017

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## Alerts & Warnings

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**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Dakota Access Pipeline Protest, North Dakota

Source: Bureau of Indian Affairs and Morton County, North Dakota - March 2, 2017

The Bureau of Indian Affairs (BIA) reports that the Sacred Stone Camp and the Blackhoop Camp have been cleared of protesters, and cleanup efforts have begun at both locations. A continuous law enforcement presence is being maintained to prevent protesters from reoccupying the camps. On March 1, a total of 6,260 tons of material were hauled away while conducting clean-up operations. The clean-up of the Rosebud Camp is expected to be completed today.

Law enforcement officers from the Department of the Interior continue to support BIA law enforcement by providing patrols and assisting with community relations. On March 2, a new rotation of 23 officers from the U.S. Park Police and the National Park Service arrived to augment BIA law enforcement. Officers from the U.S. Fish and Wildlife Service will remain on-site through the week.

On Wednesday, approximately 15 individuals conducted a non-violent protest at the Federal building in Bismarck, North Dakota. Also, a decision by a U.S. District Judge on whether to halt Dakota Access Pipeline construction, in North Dakota, is anticipated prior to March 7.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Bogoslof Volcano continues to erupt, but no significant activity was detected in seismic, infrasound, or satellite data during this reporting period. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time. The Alaska Volcano Observatory (AVO) has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Slightly elevated surface temperatures were observed in satellite images of the Cleveland Volcano, and minor steaming was visible in images of the volcano's summit during this reporting period. No other activity was observed. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 2, 2017*

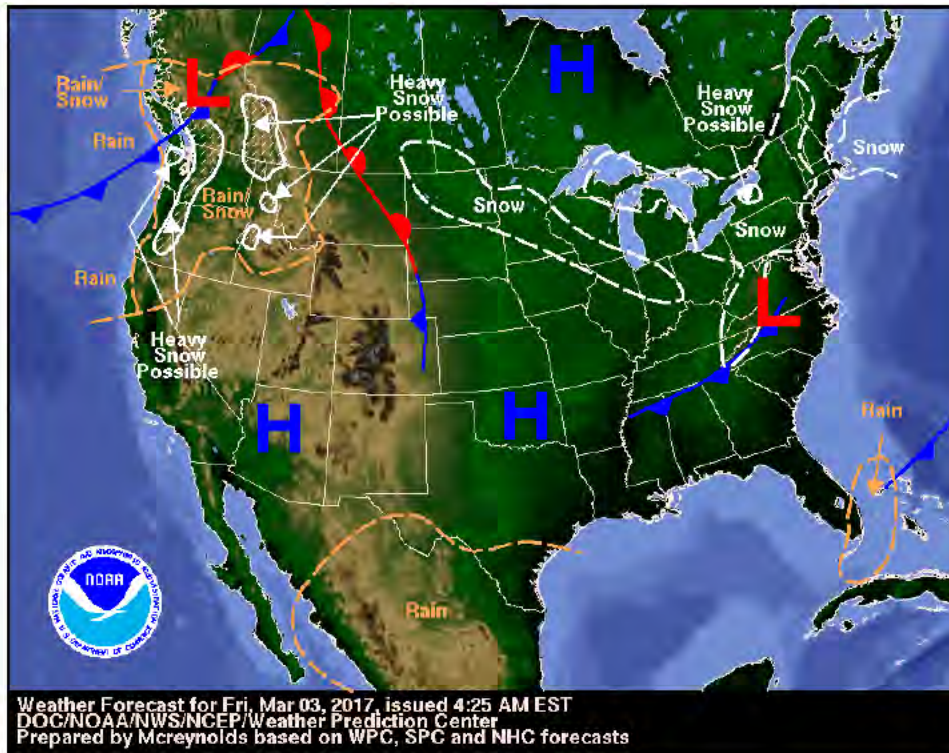
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and East Rift Zone. Lava from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna and is feeding surface flows on the pali and coastal plain, inland from the ocean entry point. These lava flows currently pose no threat to nearby communities. Deflation is occurring at the volcano's summit, and the lava lake was observed to be 69 feet below the rim of the Overlook Crater on Thursday morning.

## Significant National Weather

Source: Federal Emergency Management Agency and National Weather Service - March 3, 2017



### **Today:**

Heavy snow is forecast for the Cascades, with isolated areas of heavy snow expected in northern and southwestern Idaho. Elevated fire weather conditions are expected for a large portion of the central and southern Plains, with a smaller area of critical fire weather ranging from northeastern New Mexico to central Kansas. Elevated fire weather is also expected from Atlanta to northern North Carolina.

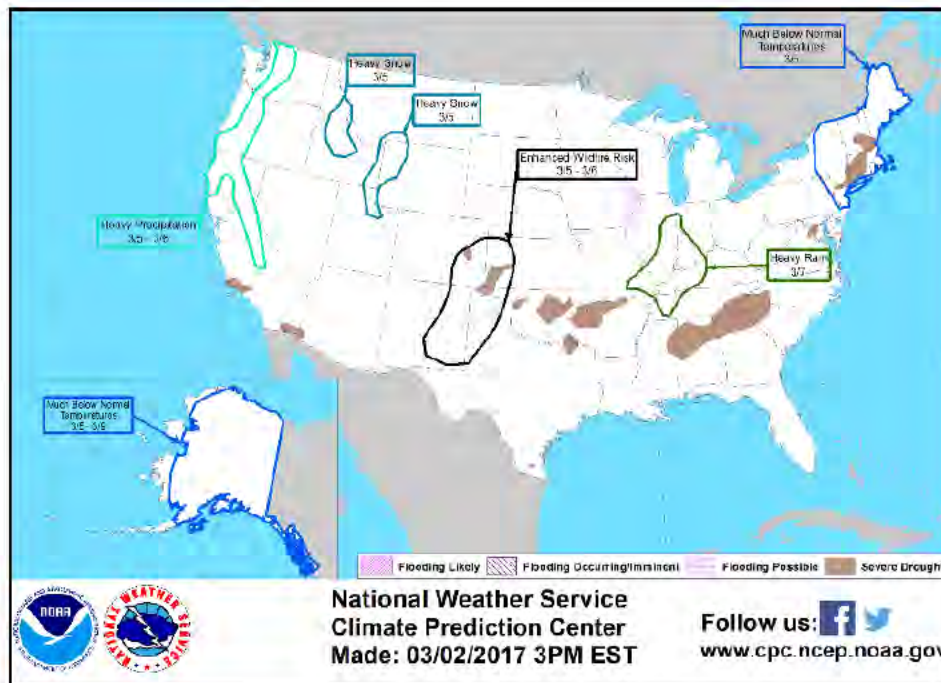
### **Tomorrow:**

Heavy snow is expected in the Cascades and Puget Sound, as well as in central Idaho, and from the Sierra Nevadas to coastal Oregon. Flash flooding is possible in southern Texas along the Gulf Coast. The critical fire weather risk will degrade to an enhanced risk in the central and southern Plains.

### **Weather Hazard Assessment**

- March 3: Flooding possible for portions of the upper and middle Mississippi Valley.
- March 3: Severe drought across the southern and central Plains, the lower Mississippi Valley, the Tennessee Valley, the mid-Atlantic, California, the Southeast, the southern Appalachians, and the Southwest.
- March 5: Heavy snow for parts of the Bitterroots, the central Great Basin, and the northern and central Rockies.

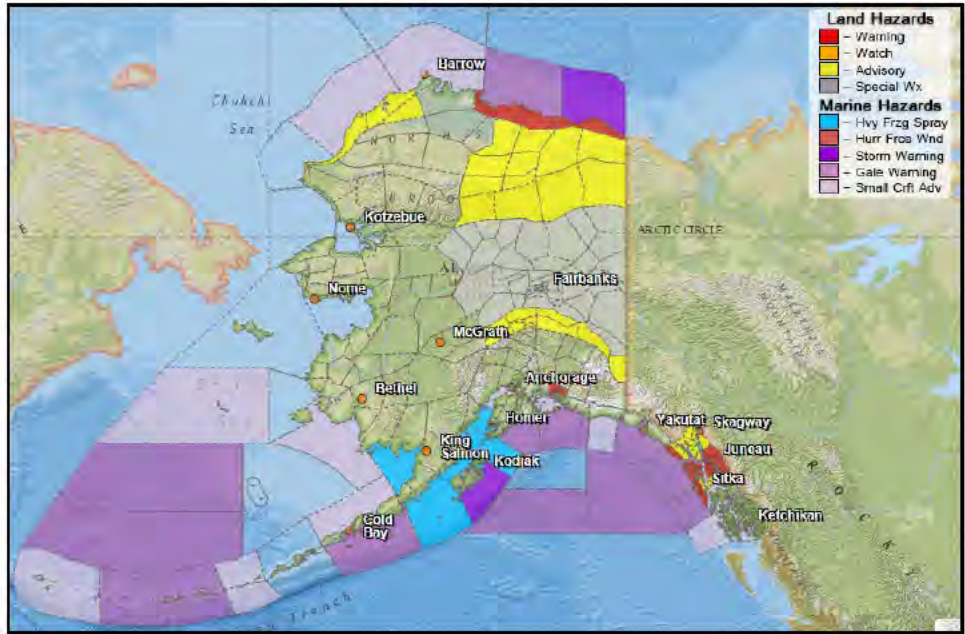
- March 5: Much below normal temperatures for portions of the Northeast and the mid-Atlantic.
- March 5-6: Heavy precipitation (rain and high elevation snow) for parts of northern California and the Pacific Northwest.
- March 5-6: Critical Fire Weather for parts of the central and southern Plains.
- March 5-9: Periods of much below normal temperatures for mainland Alaska, the Alaska Peninsula, and the Alaska Panhandle.
- March 7: Heavy rain for parts of the Great Lakes, the middle Mississippi Valley, the Ohio Valley, and the Tennessee Valley.
- March 10-11: Moderate to high risk of much below normal temperatures for parts of the Alaska Panhandle.
- March 10-13: Slight risk of much below normal temperatures for parts of southeastern mainland Alaska and the Alaska Panhandle.
- March 10-15: Slight risk of much below normal temperatures for portions of the Pacific Northwest, the northern Intermountain West, the northern Rockies, and the northern Plains.



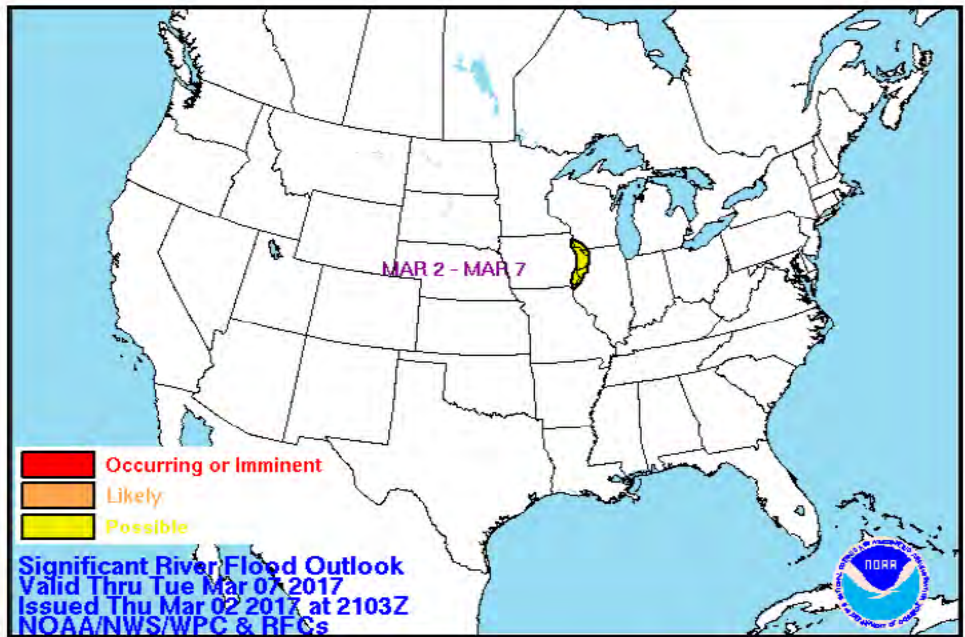
## Alaska Weather

There is a Winter Weather Advisory and a Blizzard Warning in effect today for portions of northeastern Alaska. There is a Winter Storm Warning and a Winter Weather Advisory in effect from Yakutat to Ketchikan. A Wind Chill Advisory is in effect in northwestern Alaska and from Denali to Chisana in southeastern Alaska. A Gale Warning is in effect in the central and eastern Gulf of Alaska, the central Aleutians, from Castle Cape to Cape Sarichef, and from Cape Halkett to Flaxman Island. A Storm Warning is in effect from Flaxman Island to Demarcation Point and from Shuyak to Kitkinak. A Heavy Freezing Spray Warning is in effect in the Bristol Bay, the Barren Islands, the Shelikof Strait, and the central Cook Inlet. A Small Craft Advisory is in

effect in the northern Cook Inlet, the Prince William Sound, the western Aleutians, from Icy Cape to Cape Suckling, from Dixon Entrance to Cape Decision, from Nikolski to Seguam, and from Port Heiden to Cape Sarichef (Bering Sea side). There is a Brisk Wind Advisory in effect in the Kuskokwim Delta, the Etolin Strait, St. Matthew Island, and from Cape Beaufort to Cape Halkett. A High Wind Warning is in effect around Valdez.

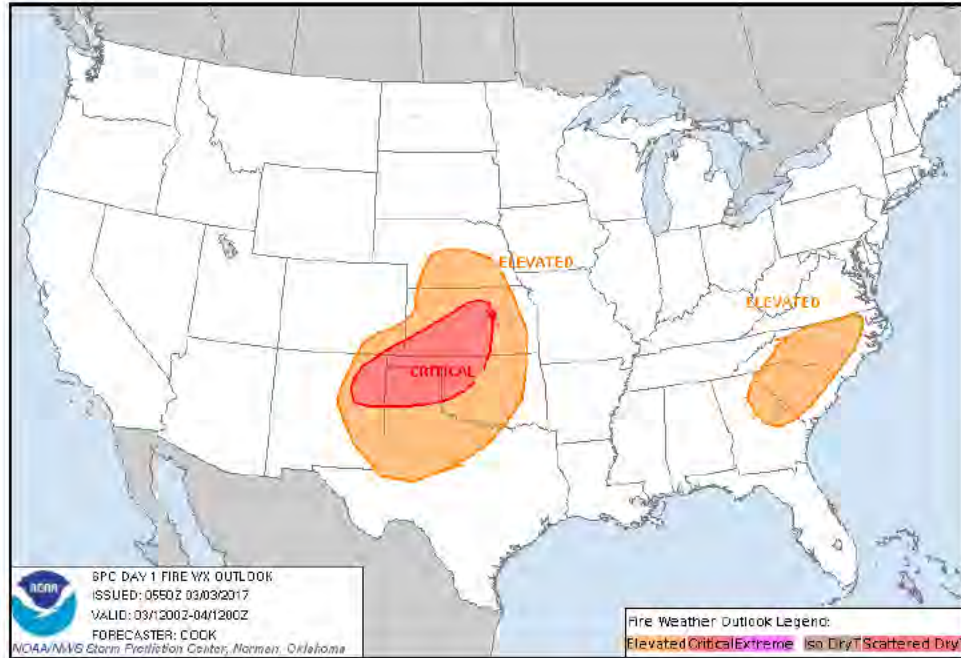


### Significant River Flooding



There is Significant River Flooding possible today in portions of northwestern Illinois, eastern Iowa, and southwestern Wisconsin.

## Fire Weather



There is Critical Fire Weather forecast for today in portions of northeastern New Mexico, northern Texas, northwestern Oklahoma, southeastern Colorado, and Kansas. Elevated Fire Weather also exists in these areas and expands into central Texas, central New Mexico, eastern Oklahoma, and central Nebraska. Additionally, there is Elevated Fire Weather forecast for parts of northeastern Georgia, South Carolina, and North Carolina.

### Severe Weather

There is no severe thunderstorm activity forecast for today throughout the U.S.

### Tornado Weather

There is less than a 2-percent chance of tornado activity across the U.S. today.

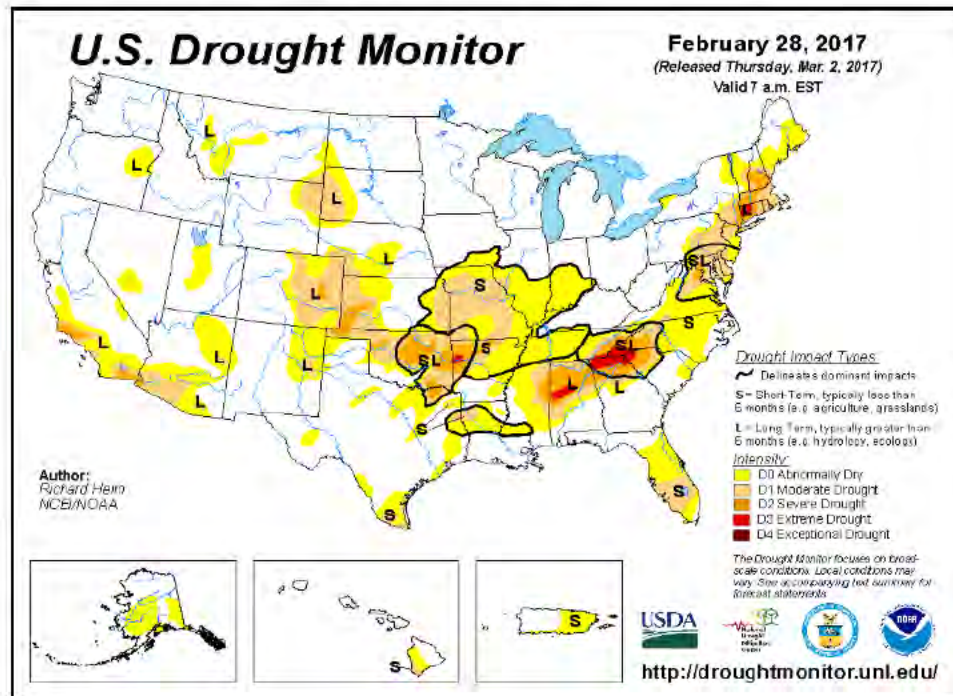
## Other News & Notes

### U.S. Drought Monitor

*Source: National Drought Mitigation Center - March 2, 2017*

Over the past week, several weather systems brought above-normal precipitation to parts of the Southwest, the Southeast, the upper Ohio Valley, the Northeast, and from the Pacific Northwest to the Great Lakes. Drought conditions continued to improve in California and the Northeast. Drought conditions expanded from the southern Plains and the Midwest to portions of the Southeast and the coastal mid-Atlantic. Temperatures were cooler than average in the western U.S., while areas to the east of the Rockies experienced above-normal temperatures. The National Weather Service is reporting that vegetation has responded rapidly to the warm temperatures, with flowers and trees blooming across east-central Georgia and central South

Carolina. The warm temperatures combined with the blooming of flowers and trees, has increased the need for soil moisture in areas dealing with winter-time drought at a time when crop-water demands are typically minimal.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Monday, March 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Dakota Access Pipeline Protest, North Dakota

*Source: Bureau of Indian Affairs and Morton County, North Dakota - March 3-5, 2017*

The Bureau of Indian Affairs (BIA) reports that cleanup operations at the Sacred Stone Camp continue. BIA placed (7) portable light towers to increase safety at the Cannonball and Route 1806 checkpoints, and the State of North Dakota has provided concrete barriers at checkpoints to assist with traffic control. The U.S. Park Police (USPP) responded to a wildfire during this reporting period, which was threatening structures and growing rapidly. Officers utilized buckets and blankets to contain the fire until the local fire department arrived. The fire was contained to ten acres.

BIA, the National Park Service (NPS), the USPP, and Department of the Interior Office of Law Enforcement and Security officers participated in a community walk, empowering youth to Rise Above Alcohol and Drugs (RAAD) in the Cannonball Community. Officers also engaged local community youth in spontaneous games of football and basketball during patrols. BIA, USPP, and NPS personnel responded to multiple calls for service, including domestic disturbances, two medical assists, and a missing child. There have been 74 arrests since February 24.

U.S. Department of Health and Human Services tactical medics and public affairs personnel have been demobilized. There were no significant events reported in Morton County.

## Wildland Fire Activity

### Oklahoma Fires

#### **Milsap Fire (Initial Report)**

- Start Date: March 2
- Location: Osage Reservation, Oklahoma
- Burned Acres: 9,636
- Containment: 20-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 59 / 18
- Structures Threatened –Single-Mixed Residential/Commercial: 5/0
- Evacuations/Sheltered in place: 0/0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Active fire behavior was observed during this reporting period, and additional perimeter spread is possible over the next 24 hours. The area is experiencing above average temperatures, low relative humidity values, and high winds. There have been no structures destroyed and no injuries reported.



*IGEMS Image*

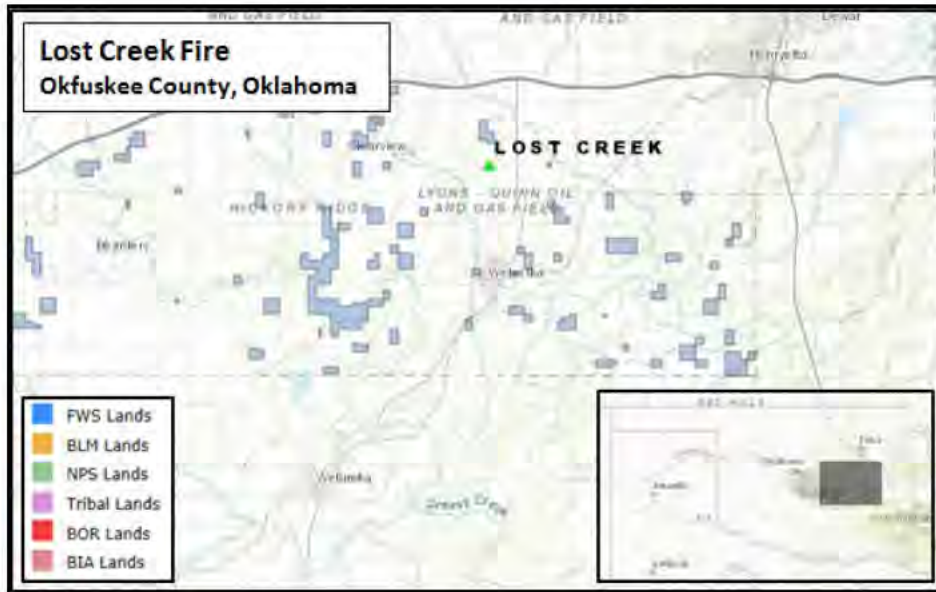
#### **Lost Creek Fire (Initial Report)**

- Start Date: March 2
- Location: Okfuskee County, Oklahoma (BIA)
- Burned Acres: 2,000
- Containment: 65-percent
- Management: Type-4 IMT



- Personnel Assigned/DOI: 26 / 22
- Structures Threatened –Single-Mixed Residential/Commercial: 10/0
- Evacuations/Sheltered in place: 0/0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 10

Comments: Active fire behavior was observed during this reporting period, but no additional perimeter spread is expected over the next 24 hours. There have been no injuries reported and no structures destroyed.



IGEMS Image

## Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center – March 3, 2017*

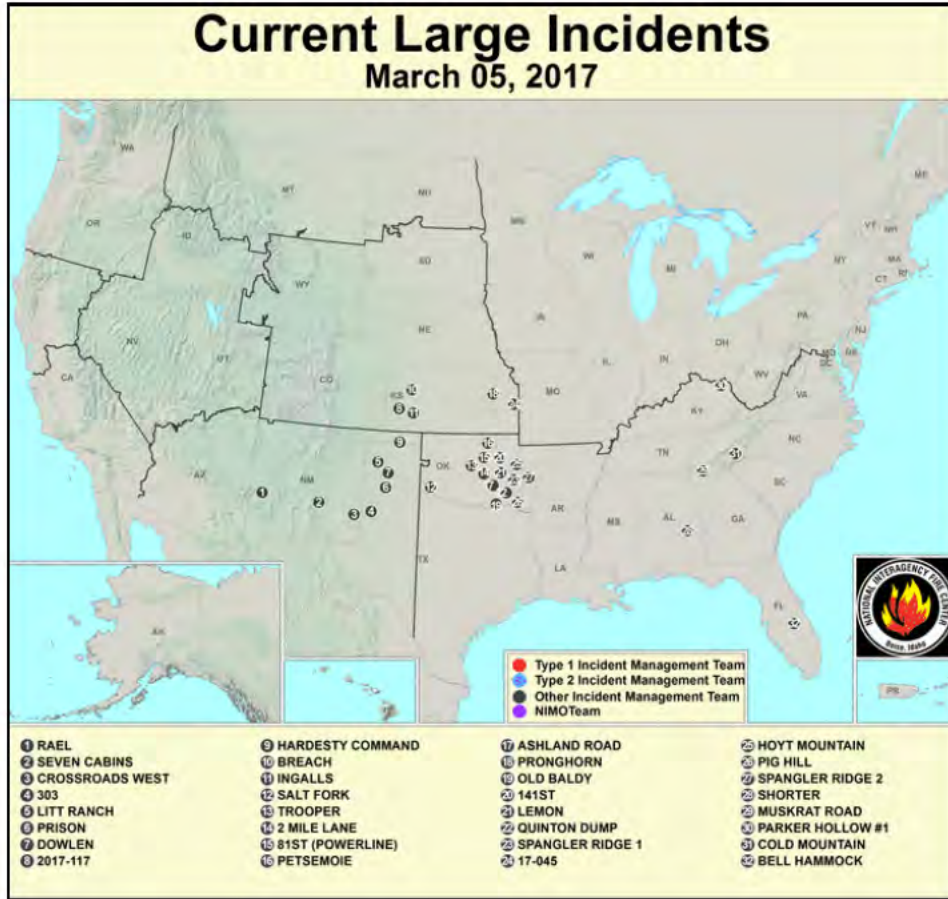
### National Preparedness Level 1

### National Fire Activity (February 24 - March 2)

Initial attack activity:	Light (1,202 new fires)
New large fires:	25
Large fires contained:	21
Uncontained large fires: **	9
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	0
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 5, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

The Bogoslof Volcano continues to erupt, but no significant activity was detected in seismic, infrasound, or satellite data during this reporting period. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time. The Alaska Volcano Observatory (AVO) has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in satellite images of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna and is feeding surface flows on and above the pali, and on the coastal plain, inland from the ocean entry. These lava flows pose no threat to nearby communities. The summit is inflating, and the lava lake was 43 feet below the rim of the Overlook Crater on Sunday morning. Additionally, a flurry of small earthquakes occurred on Sunday morning in the upper East Rift Zone, but produced no significant changes in Kīlauea's ongoing eruptions.

## **Earthquake Activity**

*Source: United States Geological Survey - March 5, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.5 earthquake occurred on March 5 approximately 20 miles northwest of Kandrian, New Britain, Papua New Guinea at a depth of 18 miles. The Pacific Tsunami Warning Center and National Tsunami Warning Center reported no tsunami danger for the western coast of United States, British Columbia, or Alaska. The USGS issued a “Green PAGER Alert”, indicating a low likelihood of casualties and damages as a result of the earthquake.

## **Significant National Weather**

*Source: Federal Emergency Management Agency and National Weather Service - March 6, 2017*

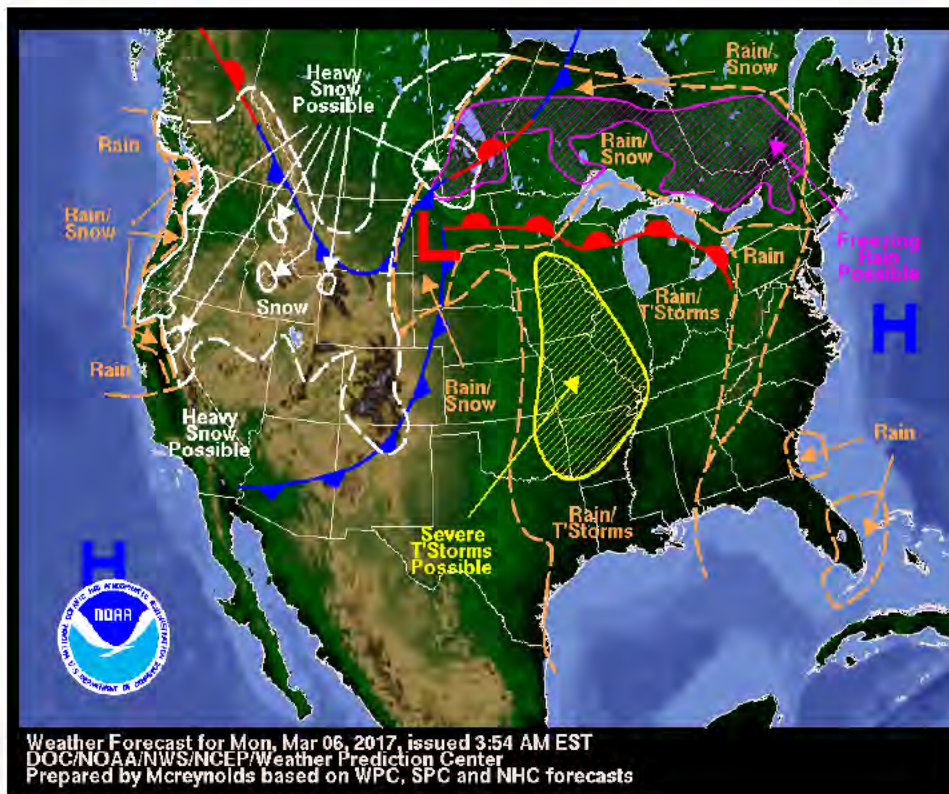
### **Today:**

Severe thunderstorms are expected this evening from the upper and middle Mississippi Valley to the Ozarks and the mid-South. A greater concentration of severe thunderstorms may occur across parts of northwestern Arkansas and southern Missouri this evening. The primary threats will be damaging wind gusts and large hail, but a few tornadoes are possible, especially from northern Arkansas into southern Missouri. Heavy snow continues along the Cascades in Oregon

and southwest Washington into northern California. Freezing rain is forecast across the interior Northeast.

### **Tomorrow:**

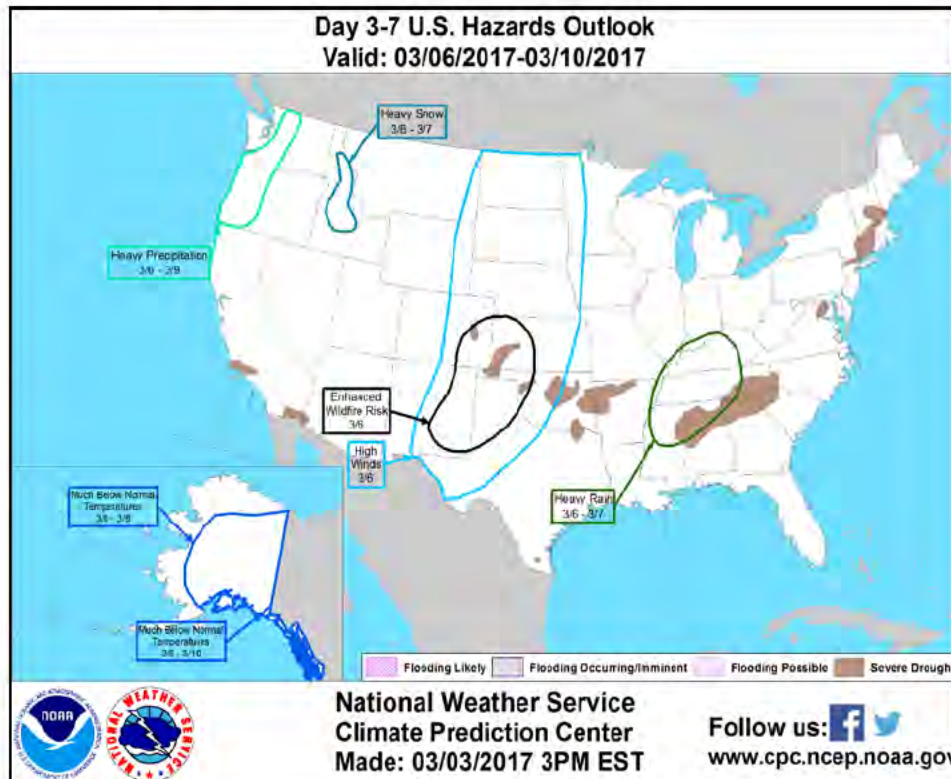
Isolated strong to severe storms will be possible Tuesday from eastern Texas across Arkansas, Louisiana, and Mississippi. Isolated strong storms, damaging winds, and marginally severe hail are the main concerns. Freezing rain is forecast to continue across the interior Northeast. Isolated areas of heavy snow are forecast from the northern and central Rockies to the Pacific Northwest. Elevated and Critical Fire Weather conditions are forecast across portions of South Dakota, Minnesota, Nebraska, Missouri, southwestern Iowa, the Oklahoma and Texas panhandles, and portions of northeastern Colorado.



### **Weather Hazard Assessment**

- March 6: Flooding possible along parts of the middle Mississippi River.
- March 6: Severe drought for parts of California, Arizona, the Great Plains, Arkansas, and the eastern U.S.
- March 6: High winds for much of the Great Plains.
- March 6: Critical Fire Weather for the central and southern High Plains.
- March 6-7: Heavy rain for parts of the Ohio Valley, the Tennessee Valley, and the lower Mississippi Valley.
- March 6-7: Heavy snow for the Bitterroots of Idaho.
- March 6-8: Much below normal temperatures for parts of mainland Alaska.

- March 6-9: Periods of heavy precipitation (rain and high-elevation snow) for parts of the Pacific Northwest.
- March 6-10: Much below normal temperatures for the Alaska Panhandle.
- March 11: Moderate risk of much below normal temperatures for the Alaska Panhandle.
- March 11-14: A slight risk of much below normal temperatures for parts of the Pacific Northwest, the northern Rockies, and the northern High Plains.
- March 11-17: Slight risk of much below normal temperatures for parts of mainland Alaska and the Alaska Panhandle.

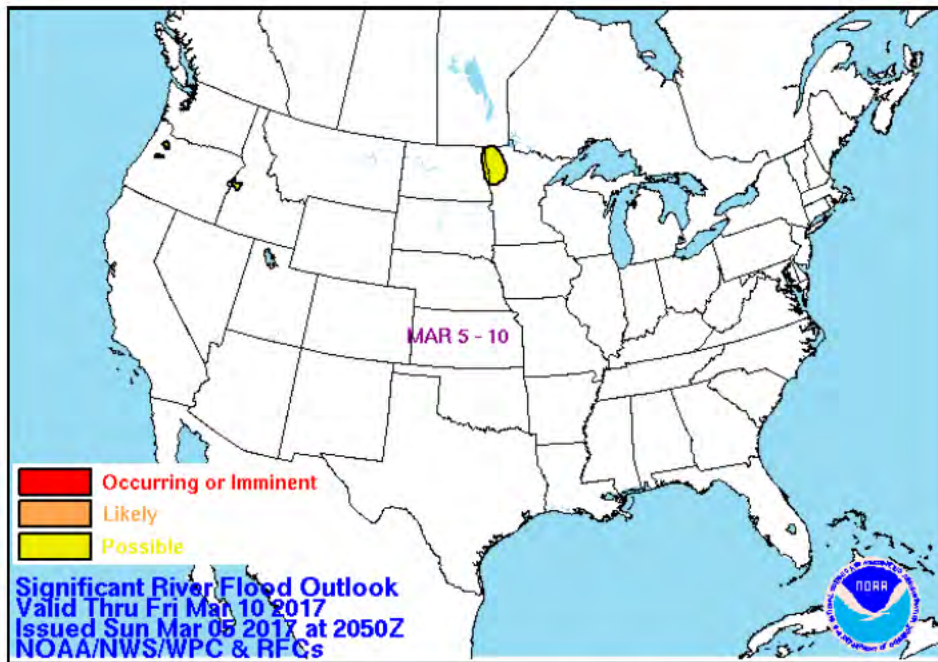


## Alaska Weather

There is a Winter Weather Advisory and a Blizzard Warning in effect today along the coast of northern Alaska from Cape Halkett to Demarcation Point. There is a Wind Chill Advisory in effect from Isabel Pass to Chisana, and a High Wind Warning is in effect around Valdez. There is a Small Craft Warning in effect for much of the Aleutian Islands and Gulf of Alaska. There is a Gale Warning in effect from Icy Cape to Cape Edgecumbe, from Flaxman Island to Demarcation Point, and from Kiska to Attu. There is a Heavy Freezing Spray Warning in effect in the Pribilof Islands, the Shelikof Strait, and the Cook Inlet.

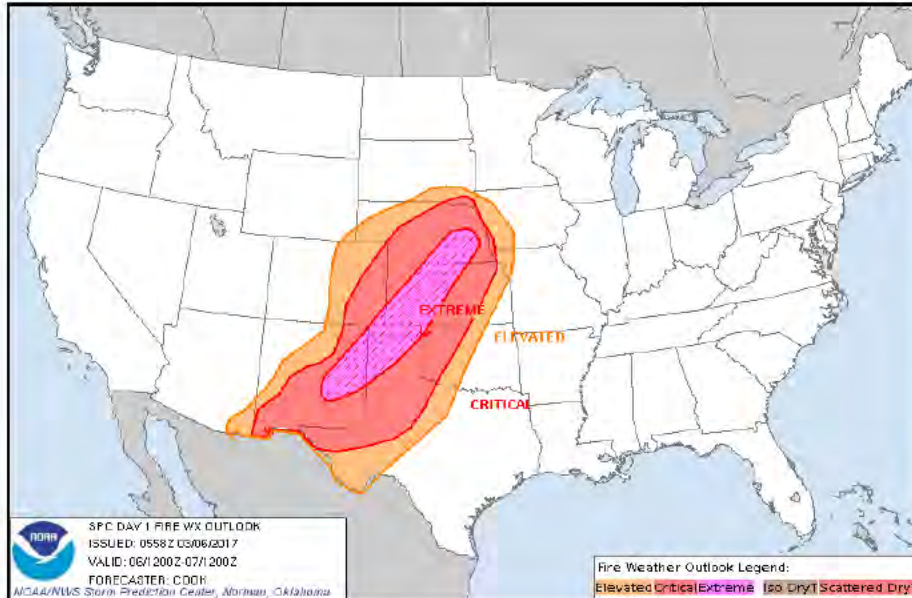


### Significant River Flooding



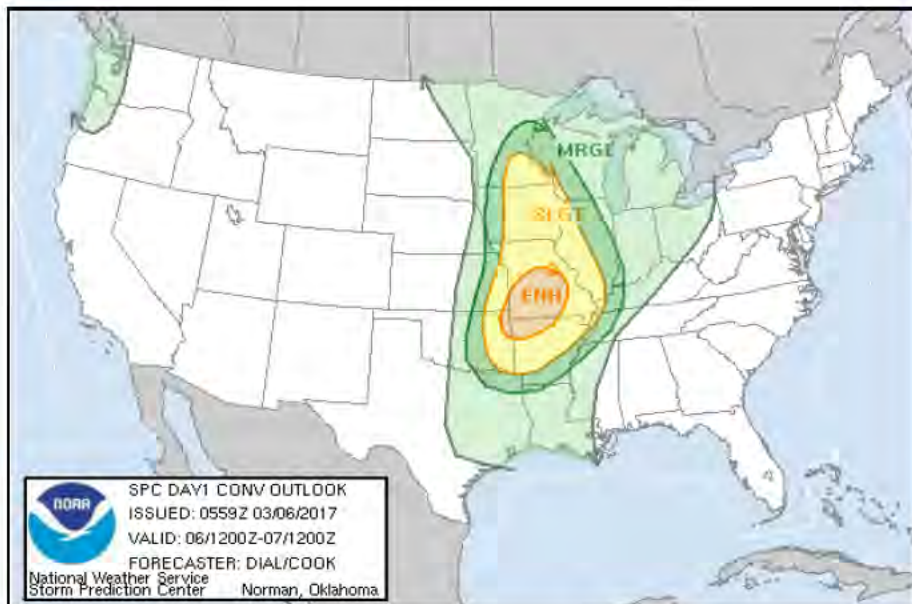
There is Significant River Flooding possible today in portions of northwestern Oregon, west-central Idaho, northwestern Minnesota, and eastern North Dakota.

## Fire Weather



There is Extreme Fire Weather forecast for today for southeastern Nebraska, central Kansas, western Oklahoma, southeastern Colorado, northern Texas, and eastern New Mexico. Additionally, there is Critical and Elevated Fire Weather forecast for an area spanning from southeastern Arizona and western Texas to southern South Dakota and western Iowa.

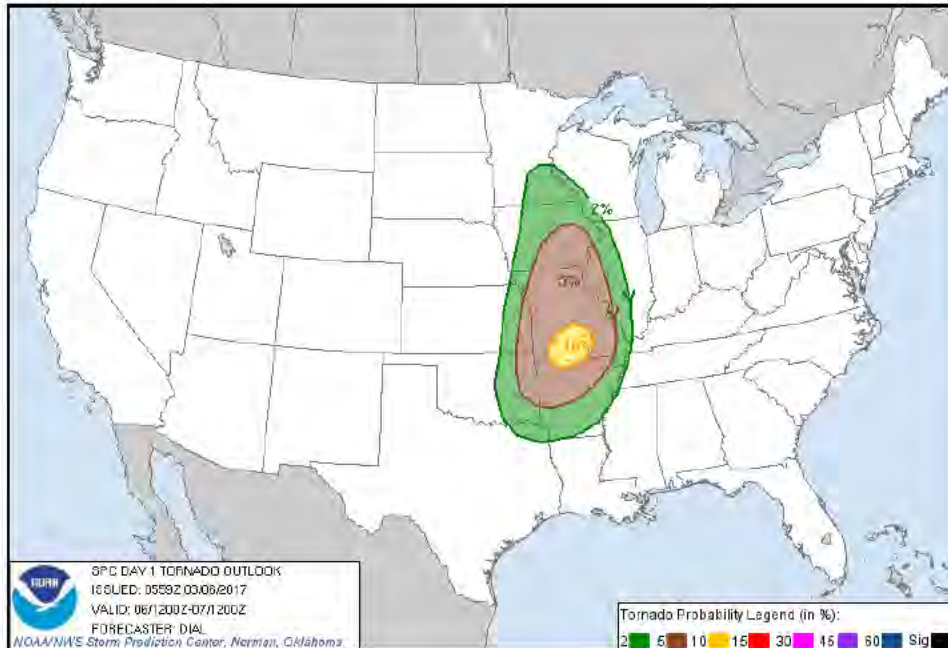
## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today in portions of northern Arkansas, northeastern Oklahoma, southeastern Kansas, and Missouri. There is a Slight Risk of severe thunderstorm activity from the central and southern Plains into the middle and upper

Mississippi Valley. There is a Marginal Risk of severe thunderstorms in an area spanning from eastern Texas and northern Louisiana to northern Minnesota and central Wisconsin.

### **Tornado Weather**



There is a 10-percent chance of tornado activity today in portions of south-central Missouri and north-central Arkansas. There is a 2 to 5-percent chance of tornado activity from northeastern Texas and southern Arkansas to southeastern Minnesota and western Wisconsin.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Tuesday, March 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Oil Spill Response, Rangely, Colorado

*Source: Office of Environmental Policy and Compliance (OEPC) - March 6, 2017*

On March 5, Chevron Pipeline reported an oil discharge from a 4-6" pipeline, approximately 7 miles west-northwest of Rangely, Colorado on Bureau of Land Management (BLM) lands. The quantity of the spill is approximately 1,200 barrels, and the cause is unknown at this time. Chevron has a response team on-scene that reported downstream movement of oil was stopped well above Shrinking Water Creek, which flows into the White River. There have been no reported impacts to rivers or streams in the area. The U.S. Fish and Wildlife Service and BLM have been notified of the spill, and BLM personnel are investigating the incident. The Environmental Protection Agency will dispatch an On-Scene Coordinator today.

## Dakota Access Pipeline Protest, North Dakota

*Source: Bureau of Indian Affairs and Morton County, North Dakota - March 6, 2017*

The Bureau of Indian Affairs (BIA) reports that officers continue to monitor the Cannonball Community area and Route 1806 checkpoints. The officers are also providing law enforcement support within the North Dakota and South Dakota Districts of the Standing Rock Sioux Reservation. On Monday, officers observed approximately 20 tents erected on private property in Mahto, South Dakota. The campers possessed 30 propane tanks and generators. Cleanup efforts continued at the Sacred Stone Camp, which is approximately 23-percent complete. Cleanup operations at the Oceti and Rosebud camps are complete.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - March 7, 2017*

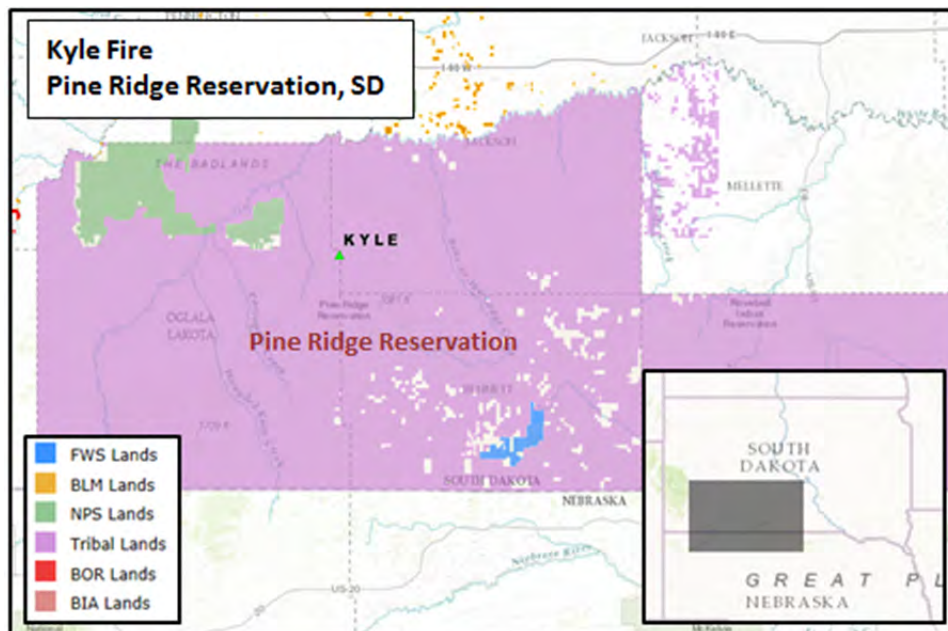
There have been no new Incident Status Summaries (ICS-209s) published for the Milsap Fire or the Lost Creek Fire in Oklahoma. The fires will not be summarized in today's report. Reporting on the fires will resume when the ICS-209s are updated.

## **South Dakota Fires**

### **Kyle Fire (Initial Report)**

- Start Date: March 4
- Location: Pine Ridge Reservation, South Dakota
- Burned Acres: 1,151
- Containment: 90-percent
- Management: Type-4 IMT
- Personnel Assigned/DOI: 18 / 10
- Structures Threatened –Single-Mixed Residential/Commercial: 7 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 8

Comments: Moderate fire behavior was observed during this reporting period, but no additional perimeter growth is expected. There have been no structures destroyed or injuries reported.



IGEMS Image

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The eruption of the Bogoslof Volcano continues, but no significant volcanic activity has been detected in seismic, infrasound, or satellite data over the past 24 hours. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time. There is no ground-based volcano monitoring equipment on Bogoslof, but the Alaska Volcano Observatory (AVO) will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in satellite images or web camera views of the Cleveland Volcano during this reporting period. No significant volcanic activity has been detected in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 6, 2017*

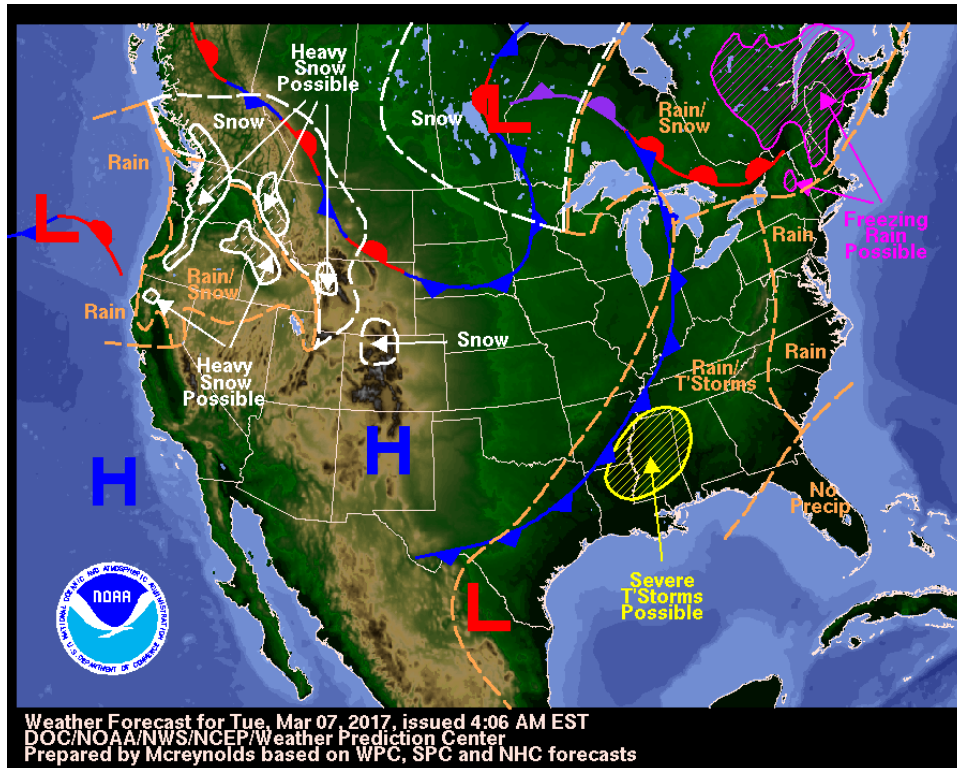
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna and is feeding surface flows on and above the pali and the coastal plain, inland from the ocean entry point. These lava flows pose no threat to nearby communities at this time. The summit is deflating, and the lava lake was observed to be 52 feet below the rim of the Overlook Crater on Monday morning. Small earthquakes continue in the upper East Rift Zone.

## **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 7, 2017



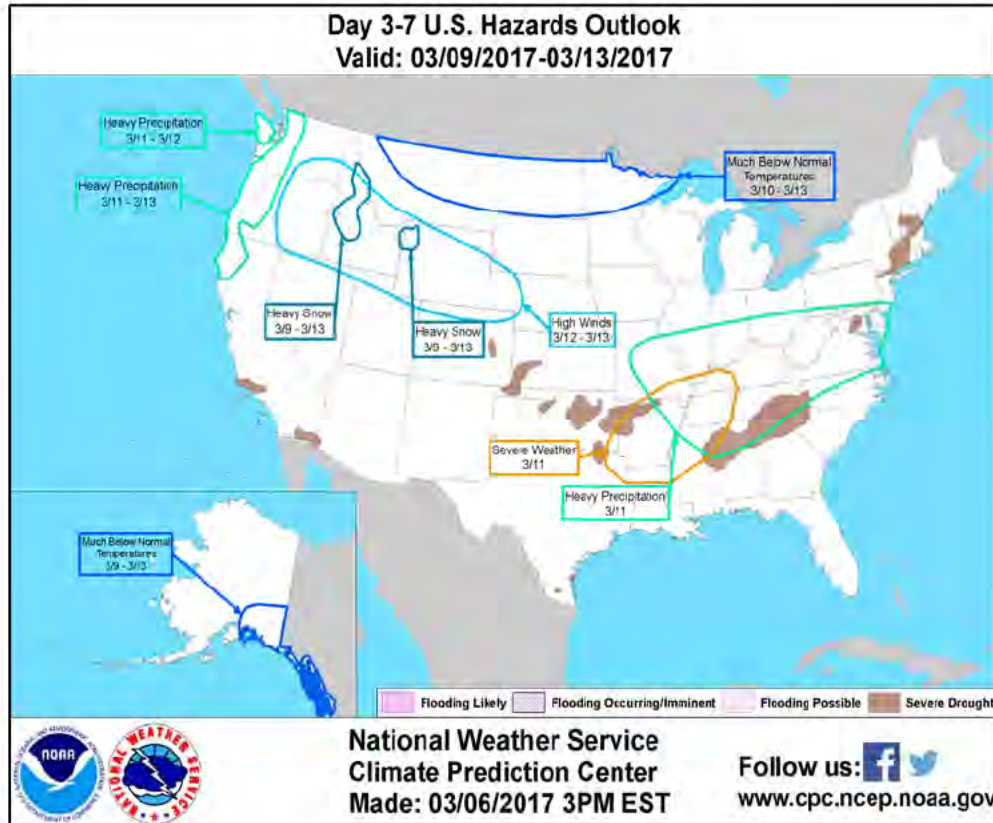
### **Today:**

Severe thunderstorms are possible today for portions of the lower Mississippi and Tennessee valleys and the Southeast. The primary threats are damaging wind gusts and large hail, but a few tornadoes are also possible. Freezing rain will continue in portions of the Northeast, with higher amounts expected in Maine and Vermont. Heavy snow will continue along the Cascades in Washington and Oregon, the Bitterroot and Rockies, and a small portion of northern California.

### **Tomorrow:**

Isolated rain and thunderstorms are possible tomorrow from southern Texas and the Gulf Coast to the Southeast. Heavy snow will continue along the Cascades in Washington and Oregon, as well as the Bitterroot and Rockies. Snow is expected across the upper Mississippi Valley and the Great Lakes, with a heavy rain/snow mix expected for the Rockies, the northern Plains, and the Northeast. Elevated Fire Weather is forecast for portions of Wyoming, Colorado, New Mexico, Texas, Kansas, Nebraska, Missouri, Iowa, and Oklahoma.

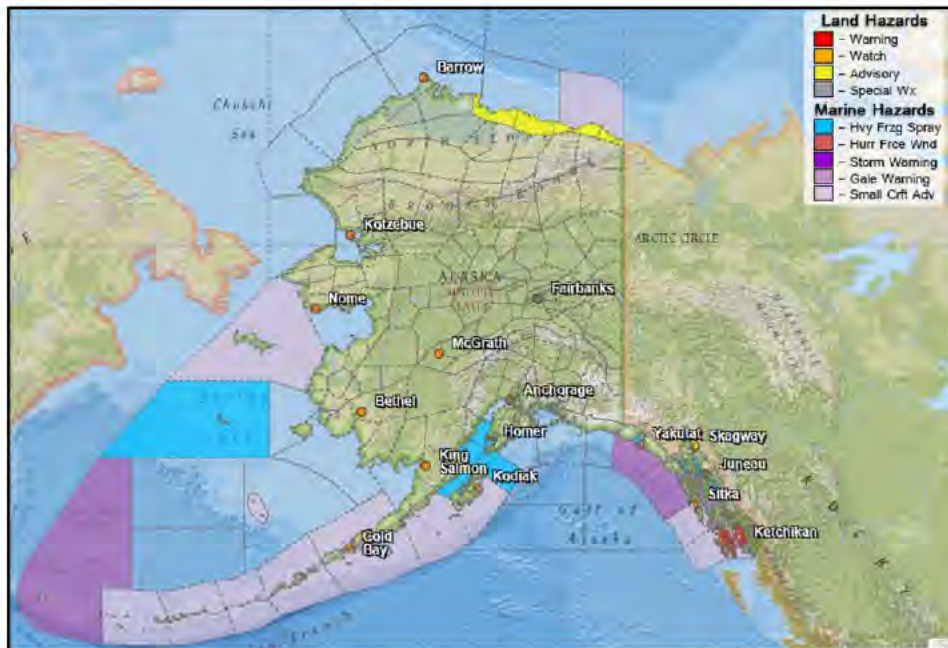
## Weather Hazard Assessment



- March 7: Severe drought for parts of California, Arizona, the Great Plains, Arkansas, and the eastern U.S.
- March 9-13: Heavy snow across portions of the Bitterroot and Absaroka ranges.
- March 9-13: Flooding is possible across portions of the Pacific Northwest and the northern Great Basin.
- March 9-13: Much below-normal temperatures across portions of the Alaska Panhandle and mainland Alaska.
- March 10-13: Much below-normal temperatures across portions of the upper Mississippi Valley, the Great Lakes, the northern Plains, and the northern Rockies.
- March 11: Severe weather across portions of the lower and middle Mississippi Valley, the southern Plains, and the Ohio and Tennessee valleys.
- March 11: Heavy precipitation across portions of the lower and middle Mississippi Valley, the southern and central Appalachians, the Ohio and Tennessee valleys, the mid-Atlantic, and the Southeast.
- March 11-12: Heavy precipitation across portions of the Olympic Peninsula.
- March 11-13: Heavy precipitation across portions of California, the Pacific Northwest, and the northern Great Basin.
- March 12-13: High winds across portions of the central and northern Plains, the central and northern Great Basin, and the central and northern Rockies.

- March 14-15: Slight to moderate risk of much below-normal temperatures for portions of the upper Mississippi Valley, the northern Plains, the northern Rockies, and the northern Great Basin.
- March 14-20: Slight to moderate risk of much below-normal temperatures for portions of the Alaska Panhandle and mainland Alaska.

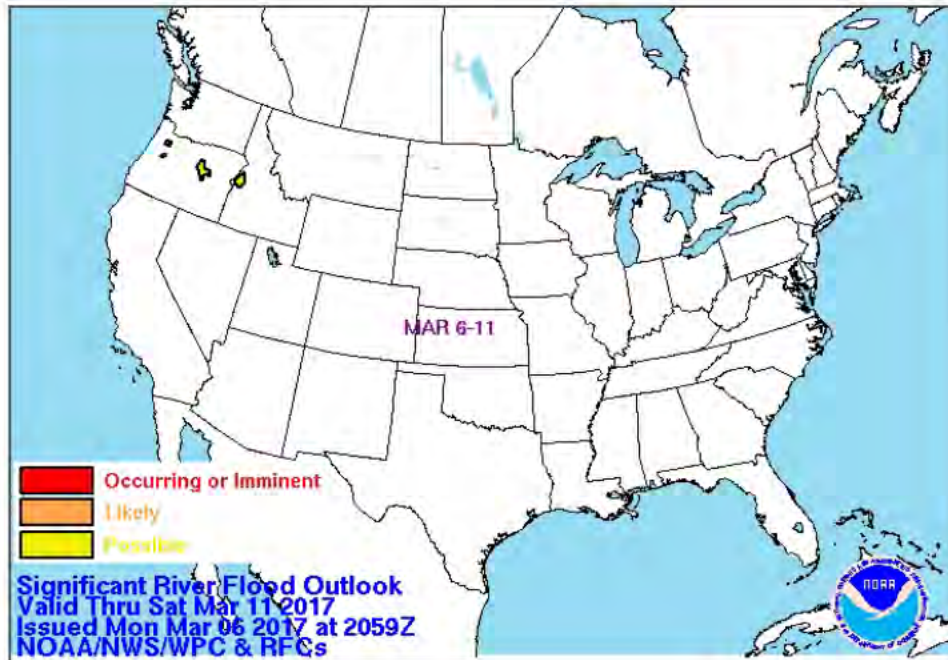
## Alaska Weather



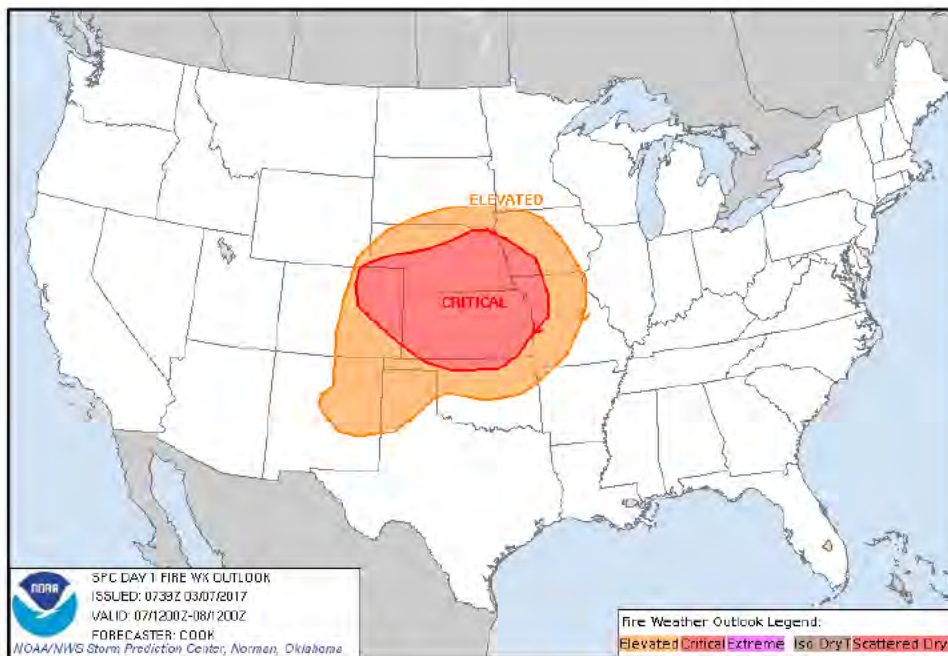
There is a Winter Storm Warning in effect for Ketchikan and the immediate area. There is a Winter Weather Advisory in effect along the coast of northern Alaska from Cape Halkett to Demarcation Point. There is a Gale Warning in effect in the western Aleutians and from Icy Cape to Cape Edgecumbe. A Small Craft Advisory is in effect across much of the Aleutians, the western Gulf of Alaska, and from Cape Edgecumbe to Dixon Entrance. There is a Heavy Freezing Spray Warning in effect around the Barren Islands, the Shelikof Strait, St. Matthew Island, and the Cook Inlet. There is a Brisk Wind Advisory in effect from Dall Point to Wales, and from Flaxman Island to Demarcation Point.

## Significant River Flooding

Significant River Flooding is possible today in portions of northwestern Oregon, central Oregon, and west-central Idaho.



## Fire Weather



There is Critical Fire Weather forecast for today in portions of eastern Colorado, Nebraska, southwestern Iowa, western Missouri, Kansas, and northern Oklahoma. There is Elevated Fire Weather surrounding the Critical Fire Weather area across the central Plains, from eastern New Mexico to southwestern Minnesota.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today over a portion of the lower Mississippi and Tennessee valleys. There is a Marginal Risk of severe thunderstorms from eastern Texas into the Tennessee Valley.

## Tornado Weather



There is a 2-percent chance of tornado activity today over a portion of the lower Mississippi and Tennessee valleys.



*\*End of Report\**

**Distribution:**

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Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Wednesday, March 8, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Dakota Access Pipeline Protest, North Dakota

*Source: Bureau of Indian Affairs and Morton County, North Dakota - March 7, 2017*

The demobilization of non-Bureau of Indian Affairs (BIA) law enforcement officers has begun as a result of the closure of all camps, including the Rosebud and Sacred Stone camps, and the departure of most protesters from the casino hotel. All non-BIA law enforcement officers will depart by Friday. The BIA Office of Justice Services will continue to provide additional officers to Standing Rock until March 31.

On Tuesday, U.S. District Court Judge James Boasberg denied the Cheyenne River Sioux Tribes' motion for a preliminary injunction to stop construction under the Religious Freedom Restoration Act. The Court ruled that construction of the pipeline can continue and will make an additional ruling on the ultimate merits of the case at some point in the future. Dakota Access anticipates it will be ready to put oil through this part of the pipeline on March 13.

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 8, 2017*

The **Kyle Fire** in South Dakota reached 100-percent containment and will not be summarized in this report. All resources were released.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 8, 2017*

**Alert Level = WARNING**

**Color Code = RED**

A significant explosive eruption began at Bogoslof volcano at 2:36 a.m. EST on March 8, as indicated in seismic, lightning, and infrasound data. The ash cloud from the eruption has been observed up to 35,000 feet in satellite images. The ash cloud has been observed moving eastward. There is no ground-based volcano monitoring equipment on Bogoslof, but the Alaska Volcano Observatory will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of continuing volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 7, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Slightly elevated surface temperatures were observed in a satellite image within the last 24 hours. No other activity was observed in satellite images during this reporting period and no significant volcanic activity was detected in seismic or infrasound data. The Cleveland Volcano is monitored with a seismic network which inhibits the ability to detect precursory unrest indicative of an eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 7, 2017*

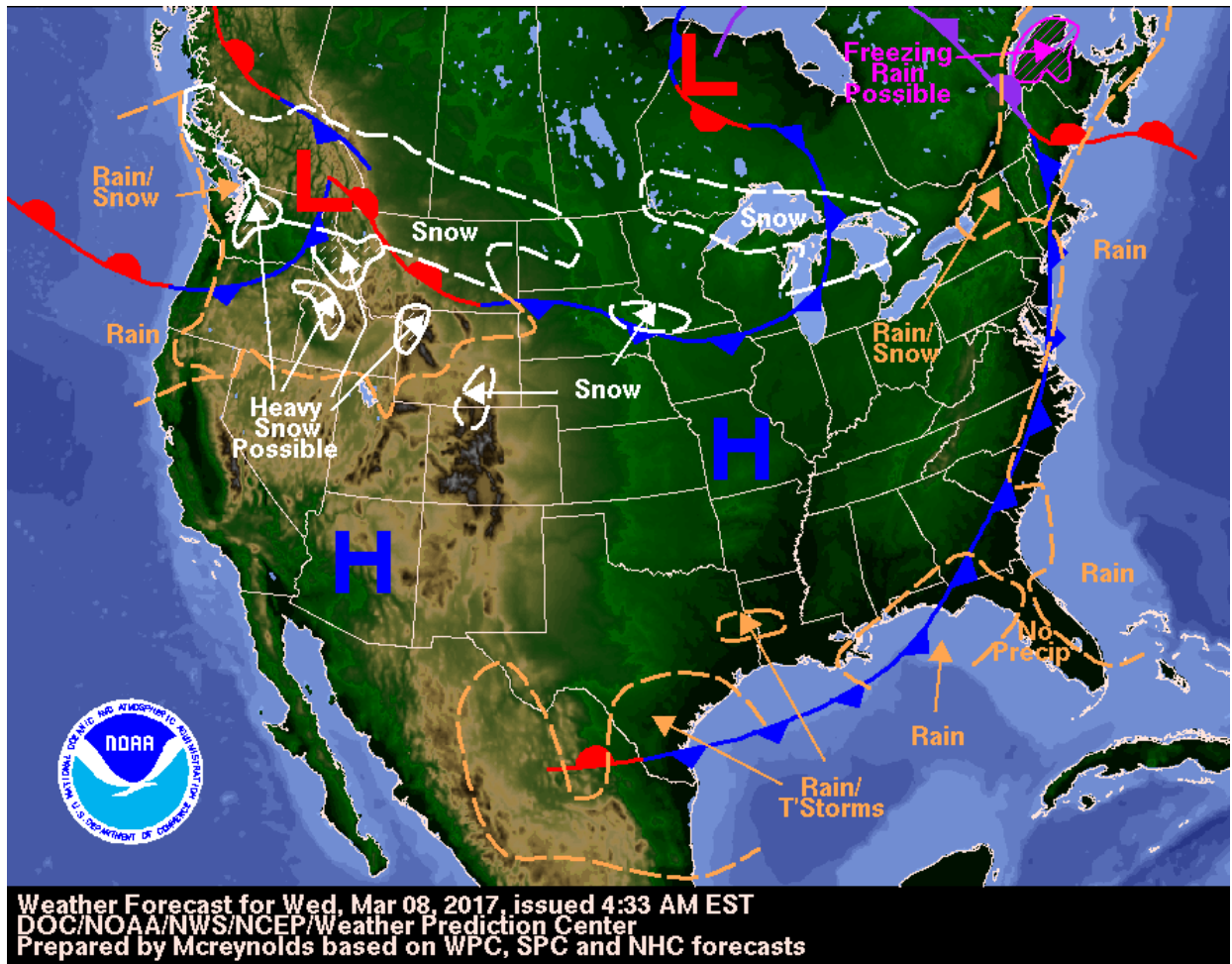
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna and is feeding surface flows on and above the pali and the coastal plain, inland from the ocean entry point. These lava flows pose no threat to nearby communities at this time. The summit continues to deflate, and the lava lake was observed to be 108 feet below the rim of the Overlook Crater on Tuesday morning. The East Rift Zone seismic activity has returned to typical levels.

## **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 8, 2017



### **Today:**

Heavy snow (10-20 inches) is expected from the Pacific Northwest through the northern Intermountain and northern Rockies. Rain and thunderstorms are forecast for portions of the southern Plains and the lower Mississippi Valley. Critical Fire Weather is expected for much of Oklahoma, eastern Kansas, and western Missouri. Elevated Fire Weather is expected for the central/southern Plains and the middle/lower Mississippi Valley.

### **Tomorrow:**

There is a marginal risk of severe thunderstorms in the southern middle Mississippi Valley and the northern lower Mississippi Valley with isolated large hail and damaging winds possible. Freezing rain is forecast in the northern Intermountain and northern Rockies. Heavy snow (10-15 inches) is expected from the Pacific Northwest through the northern Intermountain and northern Rockies.

## Weather Hazard Assessment



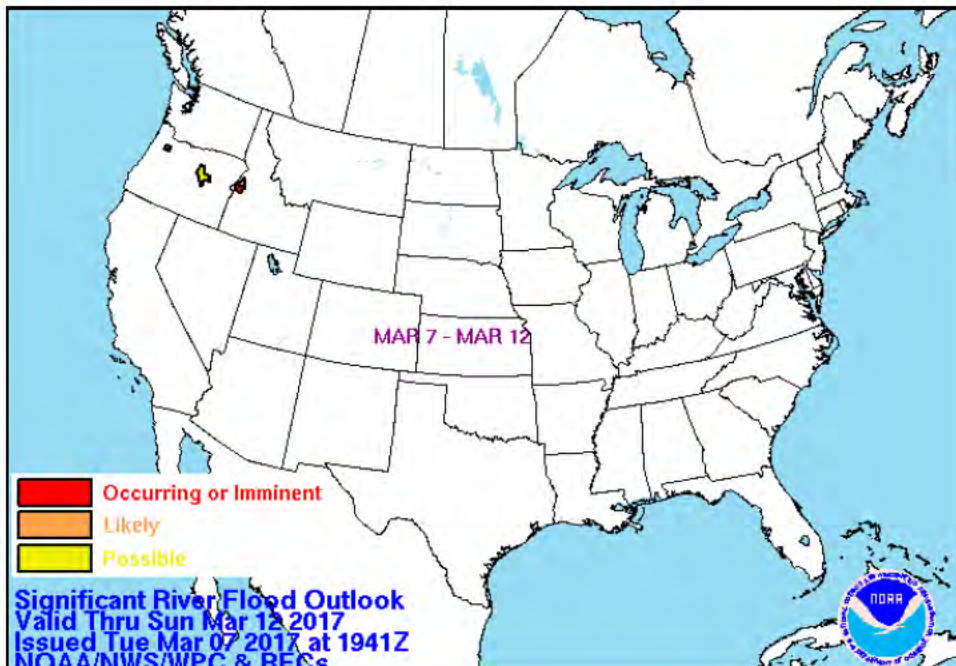
- March 10-11: Much below-normal temperatures across portions of the Alaska Panhandle.
- March 10-13: Heavy precipitation across portions of the Pacific Northwest and the northern Great Basin.
- March 10-14: Much below-normal temperatures across portions of the upper Mississippi Valley, the northern Plains, and the northern Rockies.
- March 11-12: Heavy precipitation across portions of the middle and lower Mississippi Valley, the central and southern Appalachians, the Ohio and Tennessee valleys, the mid-Atlantic, and the Southeast.
- March 11-13: Much below-normal temperatures across portions of the Great Lakes, the mid-Atlantic, the Northeast, and the central Appalachians.
- March 12: High winds across portions of the northern and central Rockies and the northern and central Plains.
- March 15: Slight risk of much below-normal temperatures for portions of the northern Plains.
- March 15-17: Moderate risk of much below-normal temperatures for portions of mainland Alaska.
- March 15-21: Slight risk of much below-normal temperatures for portions of the Alaska Panhandle, mainland Alaska, and the Aleutians.

## Alaska Weather



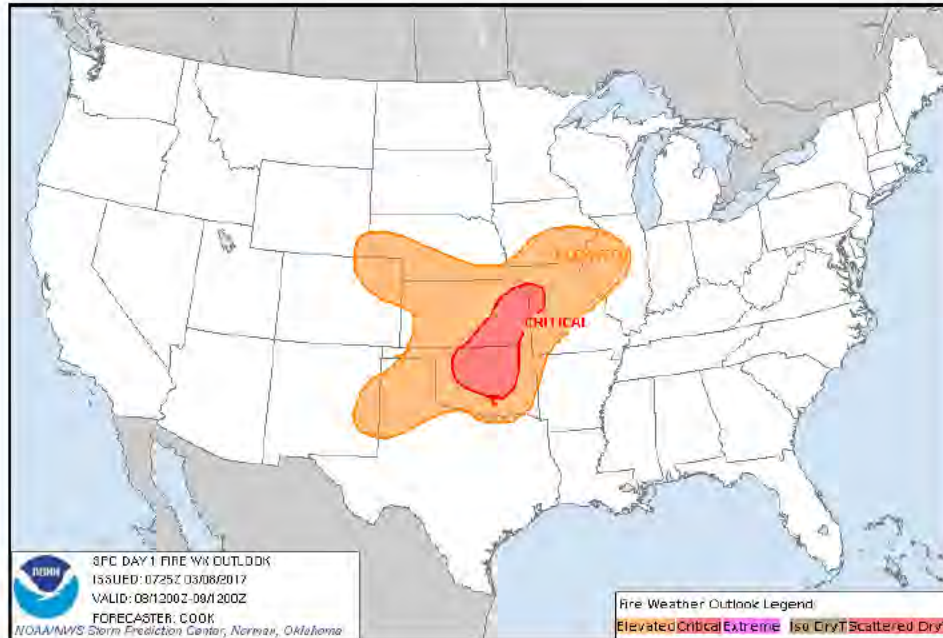
There is a Gale Warning in effect from Cape Thompson to Cape Beaufort, from the St. Matthews Islands area through Kiska, and from Cape Fairweather to Icy Cape. There is a Brisk Wind Advisory in effect from Cape Beaufort to Point Franklin, through Dall Point, and from Segum through the Dixon Entrance. A High Wind Watch is in effect for Wainwright, Atkasuk, Point Lay, and Cape Lisburne.

## Significant River Flooding



Significant River Flooding is likely today in west-central Idaho and possible in portions of northwestern and central Oregon.

## Fire Weather



There is Critical Fire Weather forecast for today in Oklahoma, eastern Kansas, and western Missouri. There is Elevated Fire Weather surrounding the Critical Fire Weather area from the south plains of Texas northeastward through the middle Mississippi Valley.

## Severe Weather

There is no severe thunderstorm activity forecast for today in the U.S.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today in the U.S.

*\*End of Report\**

## Distribution:

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, March 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Eastern United States

*Source: U.S. Department of Homeland Security - March 14, 2017*

Snow will continue to spread northeast this morning and increase in intensity, leading to major travel problems in the impacted area. The following states declared States of Emergency: Virginia, Maryland, Pennsylvania, New Jersey, New York, and Connecticut.

Heavy snowfall accumulations are likely in the Northeast region. The highest totals are expected northwest of Interstate 95, especially in higher elevations, with a foot or more of snow possible. Snowfall rates of 1 to 4 inches per hour are possible during the height of the storm in the most intense bands. Blizzard or near-blizzard conditions, with wind gusts up to 50 mph, may occur through today in western Massachusetts and parts of Connecticut. The latest forecast indicates the low will track far enough west to change some coastal areas to rain or sleet for a period of time. In portions of the mid-Atlantic, including Washington, DC, Baltimore, Philadelphia, the Delmarva Peninsula and southern New Jersey, snow amounts are dependent on where the rain/snow transition line is.

Poor travel conditions will also exist in other parts of the Northeast, where gusty winds will result in blowing snow and low visibility. Amtrak will operate on a modified schedule starting today for Regions I, II, and III. Washington D.C Metrobus and Metrorail are on limited service. The National Weather Service (NWS) has issued a Winter Weather Advisory for snow, sleet, and freezing rain for much of the National Capital Region (NCR), which is in effect until 2:00 p.m.



EDT this afternoon. A mix of freezing rain and sleet will change to all snow by mid-morning and will continue until mid-day. Snow and sleet accumulation of 2 to 4 inches are forecast. The previously issued Winter Storm Warning has been canceled.

The FEMA National Watch Center is at Watch /Steady State. The FEMA Region I Regional Response Coordination Center (RRCC) is not activated. The FEMA Region II Regional Watch Center (RWC) is at Enhanced Watch (24/7). The FEMA Region III RRCC, Emergency Support Functions and liaison Officers are on Alert; RWC will be activated to Enhanced Watch at 0700 EDT today. The New York State Emergency Operations Center (EOC) is activated to Level III (Partial Activation). The Pennsylvania, Connecticut, and Rhode Island State EOCs are at Full Activation. The Massachusetts and New Hampshire State EOCs are at Partial Activation. The New Jersey, Delaware, and Virginia State EOCs are activated to monitoring.

## **DOI Bureau and Office Reports**

### **USGS Response to Severe Weather**

*Source: U.S. Geological Survey - March 14, 2017*

The following USGS Water Science Centers (WSC) are closed today due to winter weather impacts:

- New York WSC (all offices)
- New Jersey WSC
- Pennsylvania (Pittsburgh office delayed start, other offices closed)

In addition, the USGS Science Center offices in West Virginia, Pennsylvania, and Massachusetts are also closed today due to winter weather impacts. The USGS National Center and Northeast Region Offices in Reston, Virginia, will have a 3-hour delayed opening, per Office of Personnel Management guidance for the NCR.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - March 14, 2017*

The Incident Status Summary (ICS-209) for the **Irate Fire** in Oklahoma has not been updated since March 11 and will not be summarized in today's report. Reporting will resume when an updated ICS-209 is published.

## **Oklahoma Fires**

### **Howell Fire (Initial)**

- Start Date: March 10
- Location: Osage County, Oklahoma (BIA)
- Burned Acres: 1,900
- Containment: 40-percent
- Management: Type-4 IMT

- Personnel Assigned/DOI: 8 / 8
- Structures Threatened-Single-Mixed Residential/Commercial: 10 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

### Milsap Fire

- Start Date: March 2
- Location: Osage County, Oklahoma (BIA)
- Burned Acres: 9,636 (no change)
- Containment: 70-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 6 (+2) / 6 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25



IGEMS Image

### Tucker Fire (Initial)

- Start Date: March 3
- Location: Seminole County, Oklahoma (BIA)
- Burned Acres: 1,030
- Containment: 75-percent
- Management: Type-4 IMT
- Personnel Assigned/DOI: 20 / 20
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0

- Injuries/Fatalities: 0 / 0
- Containment Date: March 15



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

A short-duration eruption occurred at Bogoslof volcano which produced a small ash cloud and volcanic emissions that were detected in satellite and infrasound data. The volcanic cloud reached about 18,000 feet above sea level and moved towards the south-southwest over Umnak Island. The volcanic cloud was visible in satellite data for about one hour. AVO has received no reports of ash fallout on areas south of the volcano. Because of the short duration of the eruption, no changes in the Aviation Color Code were made. After the eruptive event, the level of seismic activity declined and the repeating earthquakes that characterized the seismicity for much of the previous several days stopped. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## Kilauea Volcano, HI

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 13, 2017*

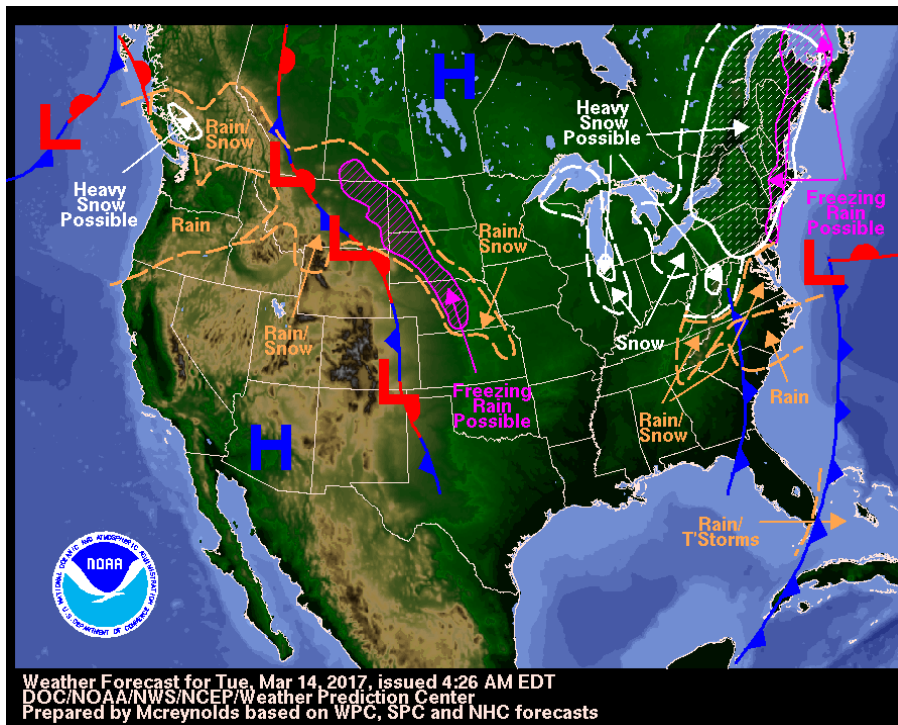
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows on and above the pali. These lava flows pose no threat to nearby communities at this time. The summit inflationary trend continued during the reporting period, and the lava lake level was about 52 feet below the Overlook crater rim on Monday morning. Seismicity at Kīlauea has not change significantly in the past several days, and remains at a low level.

## ***Significant National Weather***

*Source: Federal Emergency Management Agency and National Weather Service - March 14, 2017*



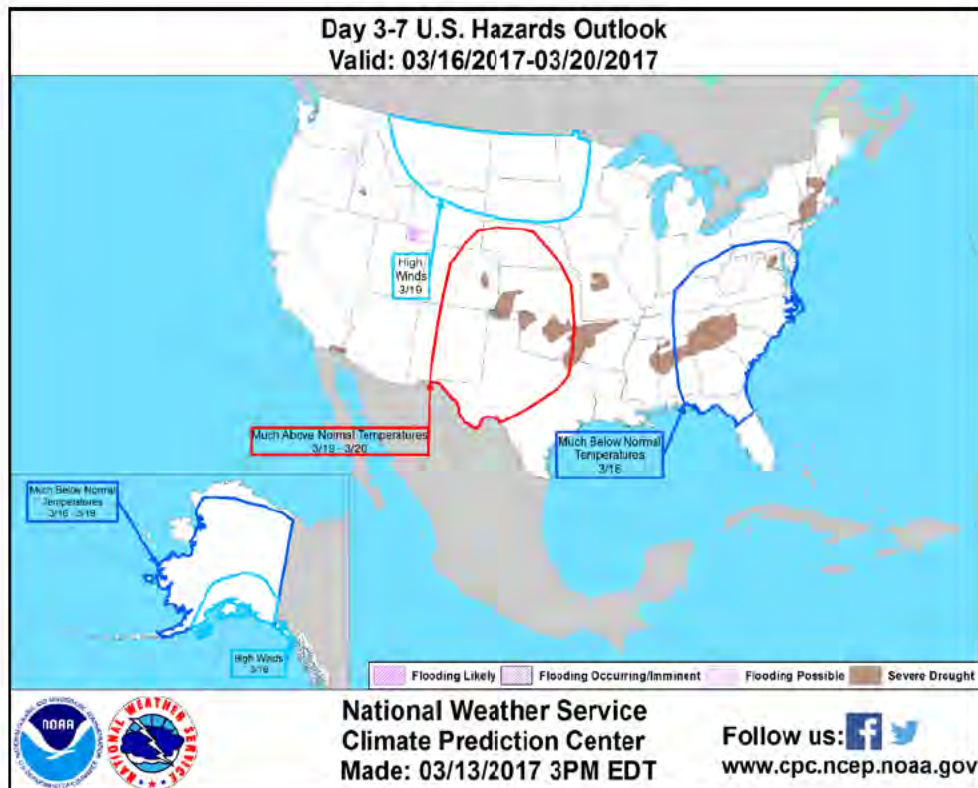
### **Today:**

Rain is expected from the Pacific Northwest and northern California into the northern Rockies. A rain and snow mix is possible from the northern Intermountain into the northern and central Plains. Snow is expected in the Great Lakes, the middle Mississippi Valley, and into the Northeast. Freezing rain is possible for portions of the northern and central Plains, and from the mid-Atlantic into the Northeast. Blizzard and winter storm conditions are in effect across the Northeast, with heavy snow possible for the Great Lakes and extending from the central Appalachians to the mid-Atlantic and Northeast. Elevated Fire Weather conditions are expected for parts of the central and southern Plains.

### Tomorrow:

Rain and snow are possible for portions of California, the Pacific Northwest, the northern Intermountain, and the northern Rockies. Heavy snow is possible in the northern Rockies. Winter storm conditions continue in the Northeast with heavy snow possible. Snow continues for portions of the Great Lakes, the central and southern Appalachians, the mid-Atlantic, and the Northeast.

### Weather Hazard Assessment



- March 16: Much below normal temperatures across portions of the central Appalachians, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, the Southeast, and the Ohio Valley.
- March 16: High winds across portions of the southern Interior and south coast of Alaska, including Kodiak Island.
- March 16-19: Much below normal temperatures across portions of mainland Alaska.
- March 19: High winds across portions of the upper Mississippi Valley, the northern Plains, and the northern Rockies.
- March 19-20: Much above normal temperatures across portions of the southern and central Rockies, the southern and central Plains, as well as the Southwest.
- March 21: Slight risk of much below normal temperatures for portions of mainland Alaska.
- March 21-22: Slight risk of much above normal temperatures for portions of the southern Plains.

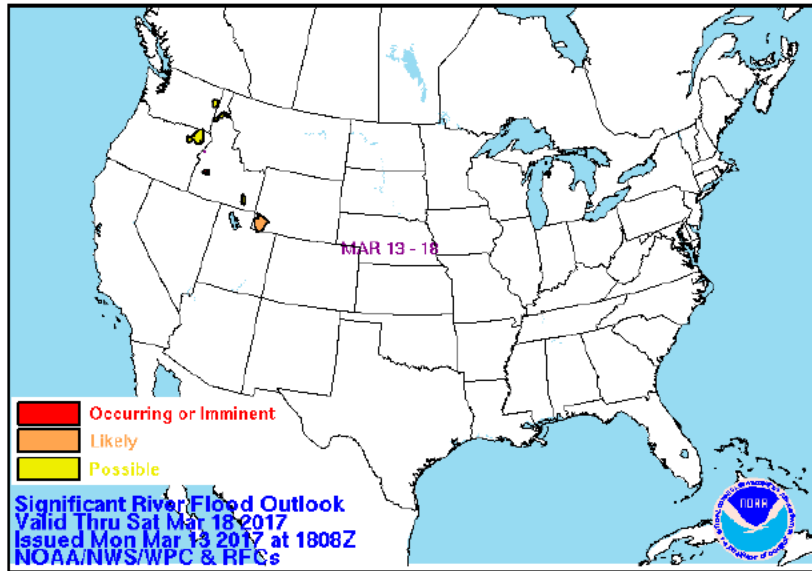
- March 21-23: Heavy snow across parts of the Sierras, southern Cascade Range, and coastal mountains of California.
- March 22-24: Slight risk of much below normal temperatures for western portions of mainland Alaska.
- March 22-26: Slight risk of much below normal temperatures for portions of the Great Lakes, the mid-Atlantic, the Northeast, and the central Appalachians.

## Alaska Weather



A Gale Warning is in effect for the Kodiak area, from the Barren Islands through Shuyak Island and Sitkinak, and from Cape Decision to Cape Edgecumbe. A Small Craft Advisory is in effect throughout the Aleutians, from Attu through Cook Inlet North Kalgin Island, and from Cape Cleare to Clarence Strait. A Winter Weather Advisory is in effect for Deadhorse, Nuiqsuit, and from Iniakuk Lake to Coleen River. A Freeze Spray Warning is in effect from Sitkinak to Castle Cape, Shelikof Strait, and from Cook Inlet Kalgin Island to Point Bede. A Brisk Wind Advisory is in effect for Cook Inlet North Kalgin Island, Bristol Bay, the Kuskokwim Delta, and the Etolin Strait.

## Significant River Flooding



Significant River Flooding is occurring or imminent in southwestern Idaho and likely in southwestern Wyoming. Significant River Flooding is possible in portions of eastern Washington, northeastern Oregon, and northern and southeastern Idaho.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today in all areas across the U.S.

*\*End of Report\**

## Distribution:

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
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- IOS Senior Officials
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**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, March 15, 2017

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Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 1  
Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 4 (Normal Operations)**

**Severe Weather - Eastern United States (Final)**

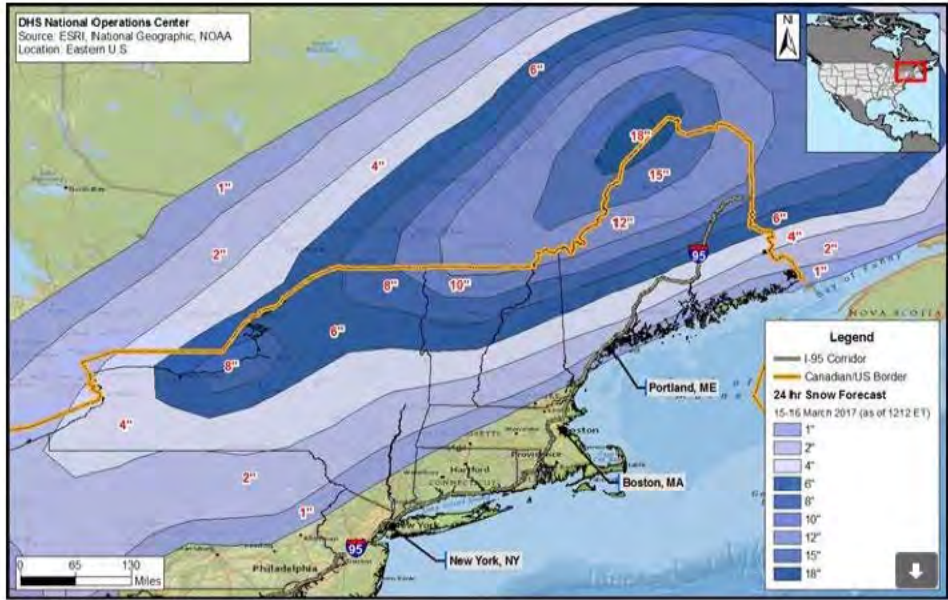
*Source: Department of Homeland Security National Operations Center - March 15, 2017*

Heavy snow will slowly taper off this morning as the current winter storm departs Maine and enters Canada. Light snow will continue from parts of northern New England into parts of the northern mid-Atlantic this afternoon. Temperatures will be 10 to 25 degrees below average over most of the eastern third of the country.

Approximately 82,000 customers remain without power across portions of Massachusetts, New Hampshire, and Maine. Travel conditions have improved across the impacted areas with road treatment and snow removal. Many rail and bus services have resumed normal or restricted service.

The Federal Emergency Management Agency (FEMA) National Watch Center is at a Watch/Steady State. The FEMA Region II Regional Watch Center (RWC) has returned to a Watch/Steady State. The New York State Emergency Operations Center (EOC) is activated to Level III (Partial Activation), and the Connecticut, Massachusetts, New Hampshire, and Rhode Island State EOCs are at Partial Activation. The New Jersey State EOC is in a "monitoring" status. The Pennsylvania, Virginia, Maryland, and Delaware State EOCs have resumed normal operations.





DHS Image

**Wildland Fire Activity**

*Source: Fire and Aviation Management Website - March 15, 2017*

**Oklahoma Fires**



IGEMS Image

**Howell Fire**

- Start Date: March 10
- Location: Osage County, Oklahoma (BIA)
- Burned Acres: 1,900 (no change)

- Containment: 50-percent (+10)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 8 / 8 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 10 / 0 (no change)
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire activity was observed during this reporting period, and additional perimeter growth is not expected.

### **Milsap Fire**

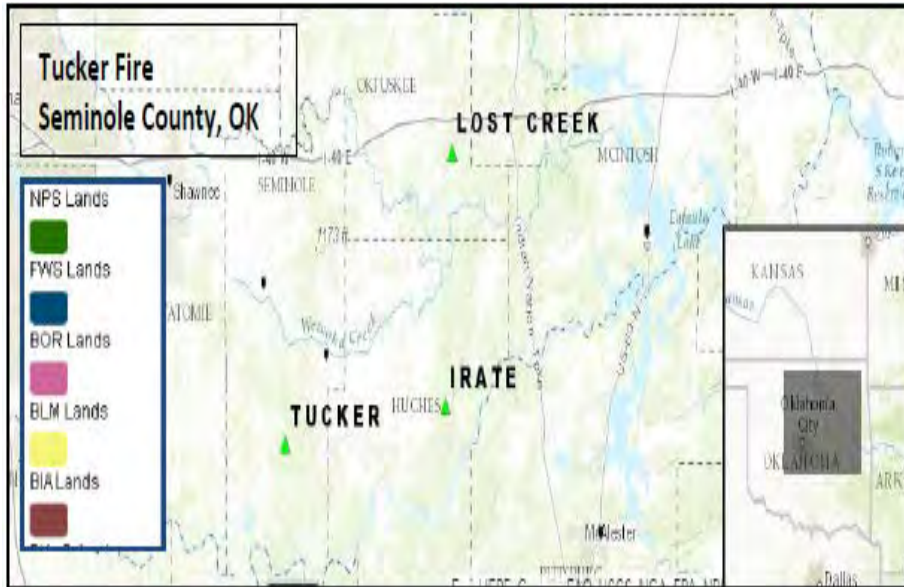
- Start Date: March 2
- Location: Osage County, Oklahoma (BIA)
- Burned Acres: 9,636 (no change)
- Containment: 75-percent (+5)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 6 / 6 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire activity was observed during this reporting period, and additional perimeter growth is not expected.

### **Tucker Fire**

- Start Date: March 3
- Location: Seminole County, Oklahoma (BIA)
- Burned Acres: 1,030 (no change)
- Containment: 80-percent (+5)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 20 / 20 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 15

Comments: Minimal fire activity was observed during this reporting period, and full containment is expected today.



IGEMS Image

**Potential Dam Failure - Mississippi Band of Choctaw Indians - Mississippi**

Source: Bureau of Indian Affairs - March 14, 2017

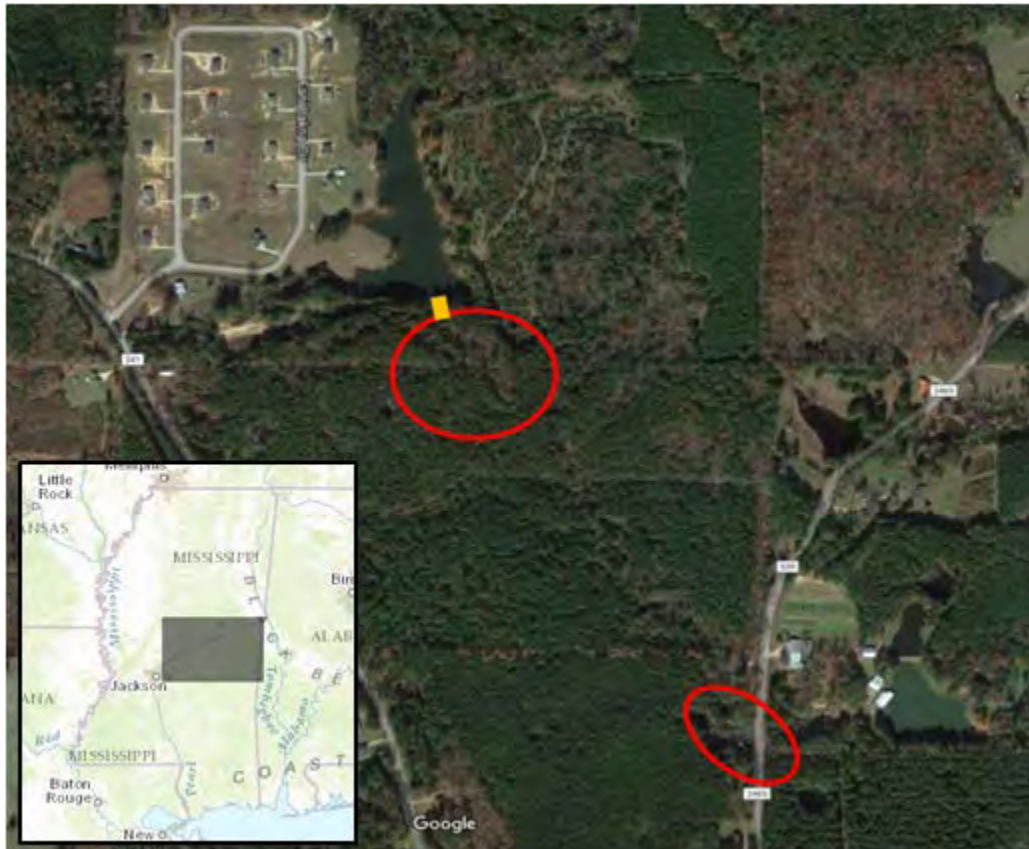
The Mississippi Band of Choctaw Indians' Community Lake, in the Tucker Community, was inspected on Tuesday morning due to the deterioration of its dam. A previous inspection noted a scarp located on the downstream embankment of the dam. At that time, the scarp was noted as a "concern", meaning that a failure node existed with vehicular traffic on the crest of the dam as a contributing factor. As a part of yesterday's inspection, it was noted that the scarp in question had progressed to the point that the failure of the dam is imminent. Vehicular traffic has worsened the potholes and ruts on the crest of the dam are deeper. Visual evidence of water flowing over the crest of the dam and through the ruts is present. The Tribe is aware of the issue and has placed flagging to warn of the scarp face, ostensibly to prevent traffic from tumbling off the dam. Downstream of the scarp, water flow is evident with visible material forming an alluvial fan at the toe of the dam.

The Tucker Community Lake is considered a low hazard dam, meaning that the loss of life is not likely and that arterial traffic lifelines would be minimally impacted. A catastrophic release will probably impact a pine stand downstream of the lake, as well as a road crossing. The Tribe owns the property on the western side of the road (in Trust) and maintains the 40-inch culvert at the stream crossing. The substantial vegetation, upstream of the road crossing, will likely mitigate the energy from the initial wave of the breach. There is a possibility that the road could get washed out.

At this time, it is recommended that all vehicular traffic on the dam be restricted, and officials should monitor the progression of the scarp. Several loads of clay soil (no sand) and gravel could be spread over the crest of the dam, to help prevent failure, until long term corrective measures can be taken. In the long term, the Tribe should consider the possible ramifications of

losing this lake and whether or not the dam should be repaired. If the Tribe chooses to repair the dam, the following considerations are recommended:

- Significantly reduce the lake level or drain it.
- Remove all tree and wood cover from the crest, embankment, and toe of the dam.
- Bring the dam within relevant dam specifications as per Tribal Code or State standards.
- Resize the primary spillway culvert or build a riser spillway and pipe system.
- Consider making the primary spillway into an auxiliary spillway and repair the downstream erosion from the current flow regime.



Google Map aerial of Community Lake and probable location of breach (gold) and impacted areas in red. Breach would cause some loss of pine with the possibility of damage at road crossing.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 14, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No unusual seismicity was detected at the Bogoslof Volcano during this reporting period. Weakly elevated surface temperatures were observed in two satellite images of the volcano, and a photograph taken by a passing pilot showed a low-level steam plume rising from the general

area of the intra-island lake. It is possible that the elevated surface temperatures and the steam plume are the result of hot water in the lake.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 14, 2017*

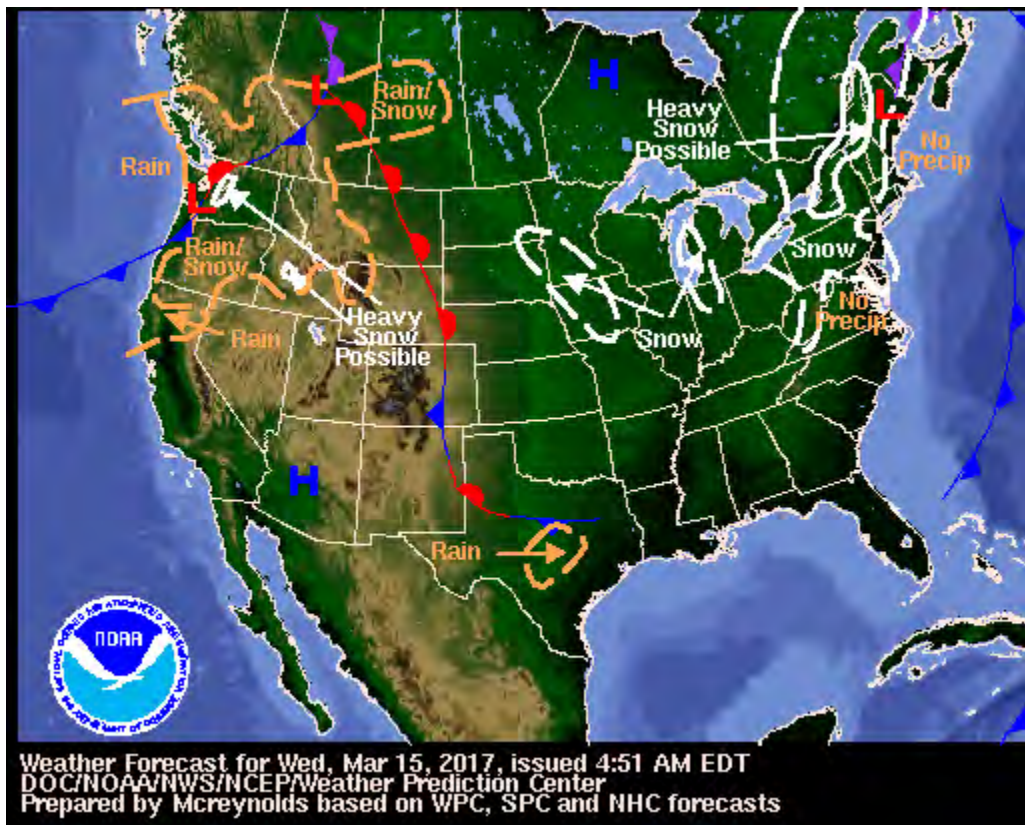
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and is feeding surface flows on and above the pali. These lava flows pose no threat to nearby communities at this time. The summit inflationary trend over the past several days changed to a deflationary trend, and the lava lake level was observed to be about 69 feet below the rim of the Overlook Crater on Tuesday morning. Seismicity at Kīlauea has not changed significantly in the past several days and remains at a low level.

### **Significant National Weather**

*Source: Federal Emergency Management Agency and National Weather Service - March 15, 2017*



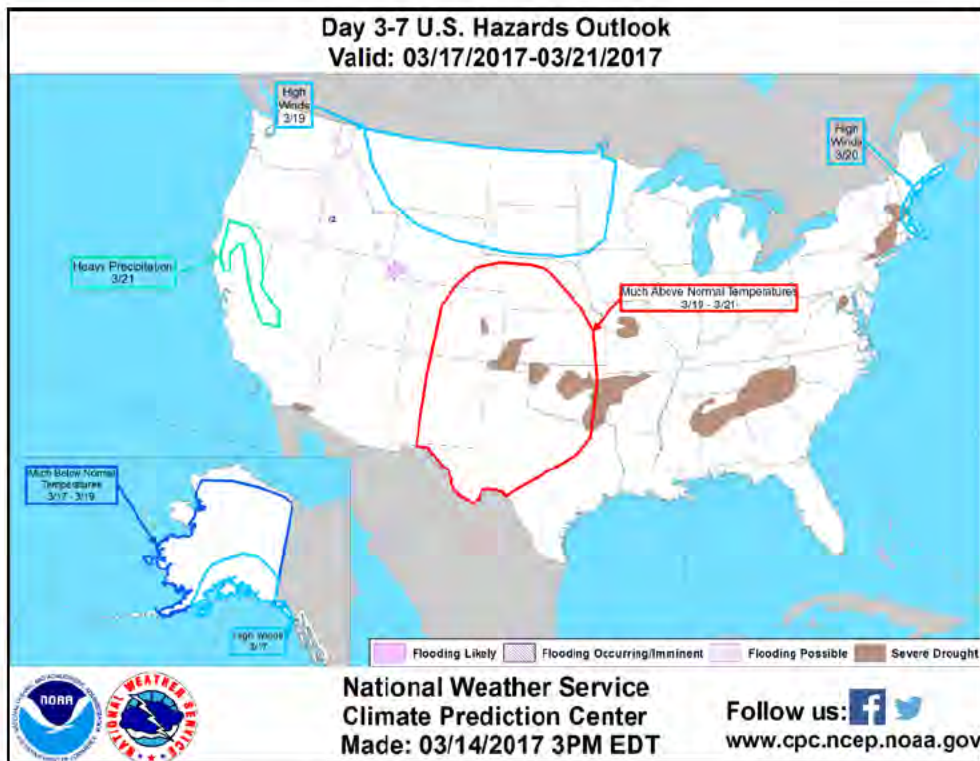
### Today:

Rain and snow are possible today in portions of California, the Pacific Northwest, the northern Intermountain Region, and the northern Rockies. Heavy snow is possible in parts of the northern Intermountain Region, the Great Lakes, and the Northeast. Snow is likely in the upper/middle Mississippi Valley and from the central and southern Appalachians to the Northeast. Rain is possible in portions of Texas.

### Tomorrow:

Freezing rain is possible tomorrow in portions of the upper Mississippi Valley and the Great Lakes. Rain and snow will continue for portions of the Pacific Northwest, the northern Intermountain Region, the northern Rockies, the northern Plains, the upper Mississippi Valley, the Great Lakes, the middle Mississippi Valley, and the middle Ohio Valley. Snow remains possible for portions of the Great Lakes and the Northeast. Elevated Fire Weather is expected for parts of the central and southern Plains.

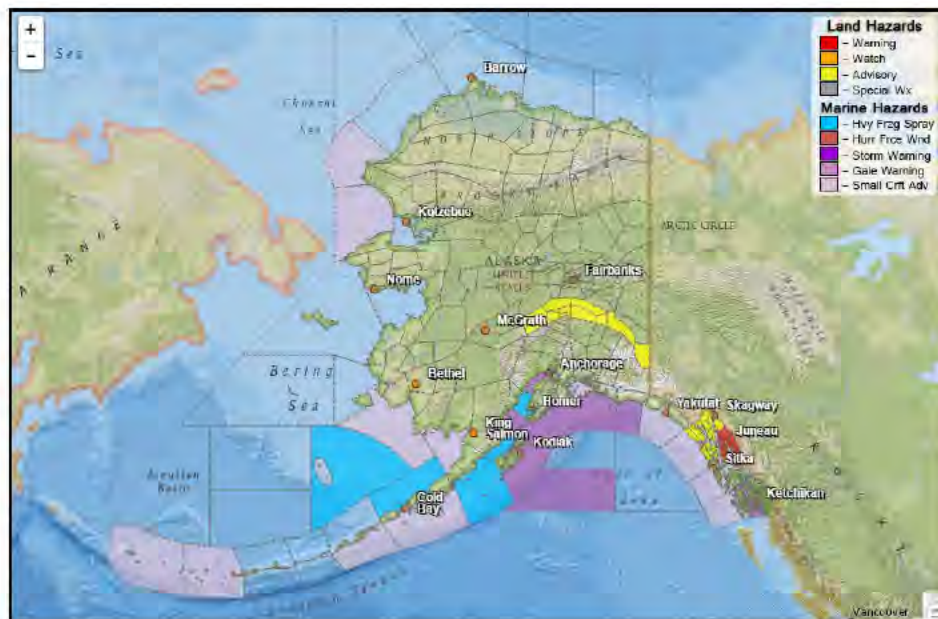
### Weather Hazard Assessment



- March 17: High winds across portions of the northern Alaska Panhandle and southern Alaska, including Kodiak Island.
- March 17-19: Much below normal temperatures across portions of mainland Alaska.
- March 19: High winds across portions of the upper Mississippi Valley, the northern Plains, and the northern Rockies.
- March 19-21: Much above normal temperatures across portions of the southern and central Rockies, the southern and central Plains, and the Southwest.

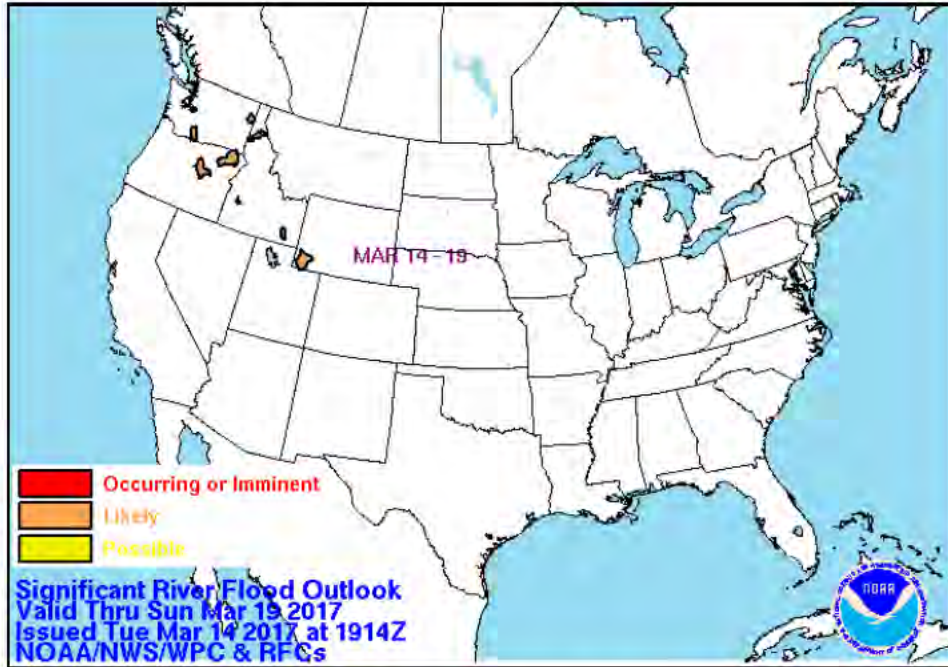
- March 21: Heavy precipitation across portions of the Sierras, the southern Cascade Range, and the coastal mountains of California.
- March 22-23: Heavy snow across portions of the Sierras, the southern Cascade Range, and the coastal mountains of California.
- March 22-23: Slight risk of much above normal temperatures for portions of the southern Plains.
- March 22-24: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the Tennessee Valley, the middle Mississippi Valley, the southern Plains, and the Ohio Valley.
- March 22-24: Slight risk of much below normal temperatures for parts of western mainland Alaska.
- March 23-24: Moderate risk of much below normal temperatures for portions of the Northeast.

## Alaska Weather



A Gale Warning is in effect for the central and western Gulf of Alaska, the Barren Islands, and the northern Cook Inlet. A Small Craft Advisory is in effect for the eastern Gulf of Alaska, the eastern Aleutian Islands, and the western Aleutian Islands. A Brisk Wind Advisory is in effect for Bristol Bay, the Pribilof Islands, the Etolin Strait, the Kuskokwim Delta, and from Wales to Cape Beaufort. A Winter Weather Advisory and a Winter Storm Warning are in effect from Yakutat to Sitka. A Wind Chill Advisory is in effect from Denali to Chisana. A Heavy Freezing Spray Warning is in effect from Sitkinak to Castle Cape, from Port Heiden to Cape Sarichef (Bering Sea side), the Shelikof Strait, and in the central portions of the Cook Inlet.

## Significant River Flooding



Significant River Flooding is likely today in southern, western, and northeastern Washington. Significant River Flooding is also likely in northeastern Oregon, central Oregon, northern Idaho, southwestern Idaho, southeastern Idaho, and southwestern Wyoming.

### Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

### Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

### Tornado Weather

There is less than a 2-percent chance of tornado activity today in all areas of the U.S.

*\*End of Report\**

### Distribution:

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, March 16, 2017

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**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 16, 2017*

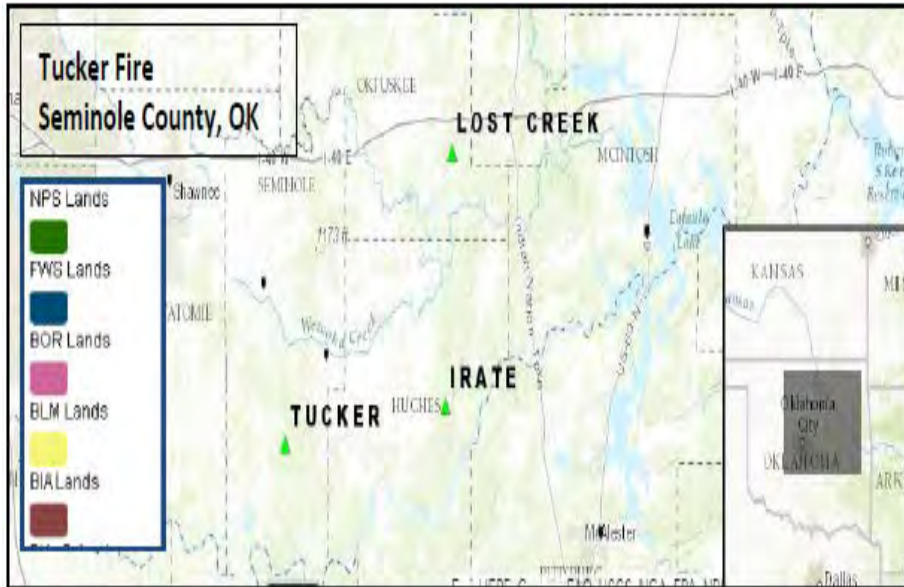
The Incident Status Summaries (ICS-209) for the Howell Fire and the Milsap Fire in Oklahoma have not been updated since March 14, and the fires will not be summarized in today's report. Reporting will resume when updated ICS-209s are published.

## Oklahoma Fires

### **Tucker Fire**

- Start Date: March 3
- Location: Seminole County, Oklahoma (BIA)
- Burned Acres: 1,030 (no change)
- Containment: 82-percent (+2)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 20 / 20 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 15

Comments: Minimal fire activity was observed during this reporting period, and full containment was expected yesterday. Additional reporting on this fire is not expected.



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No unusual seismicity was detected at the Bogoslof Volcano during this reporting period, but the volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Kīlauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 15, 2017*

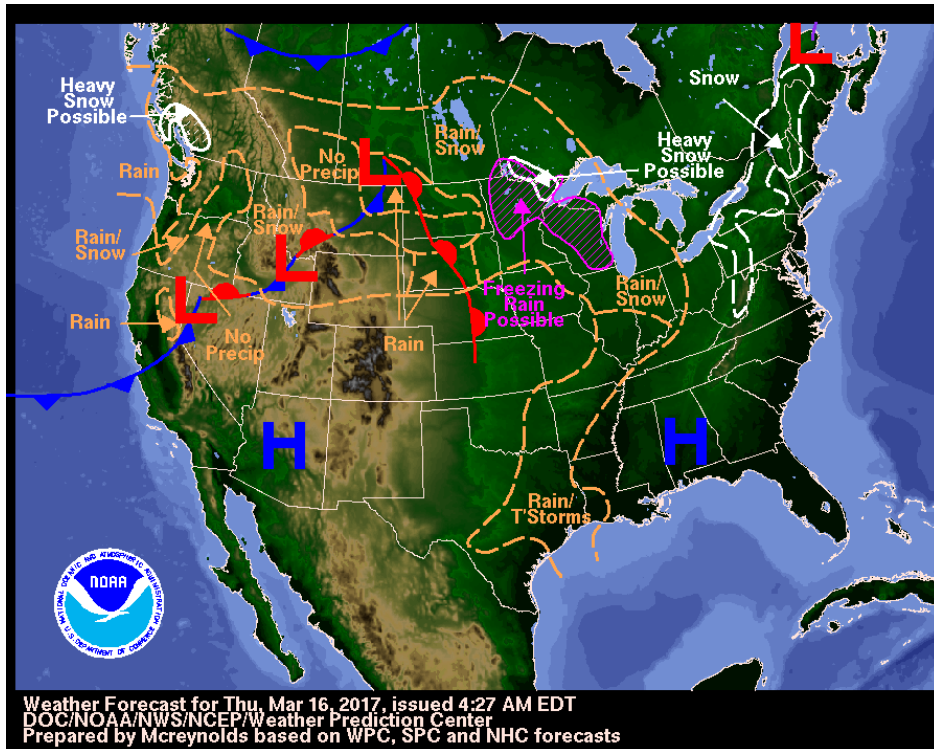
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows on and above the pali. These lava flows pose no threat to nearby communities at this time. The summit deflationary trend continues, and the lava lake level was observed to be about 92 feet below the rim of the Overlook Crater on Wednesday morning. Seismicity at Kīlauea has not changed significantly in the past several days and remains at a low level.

## **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 16, 2017



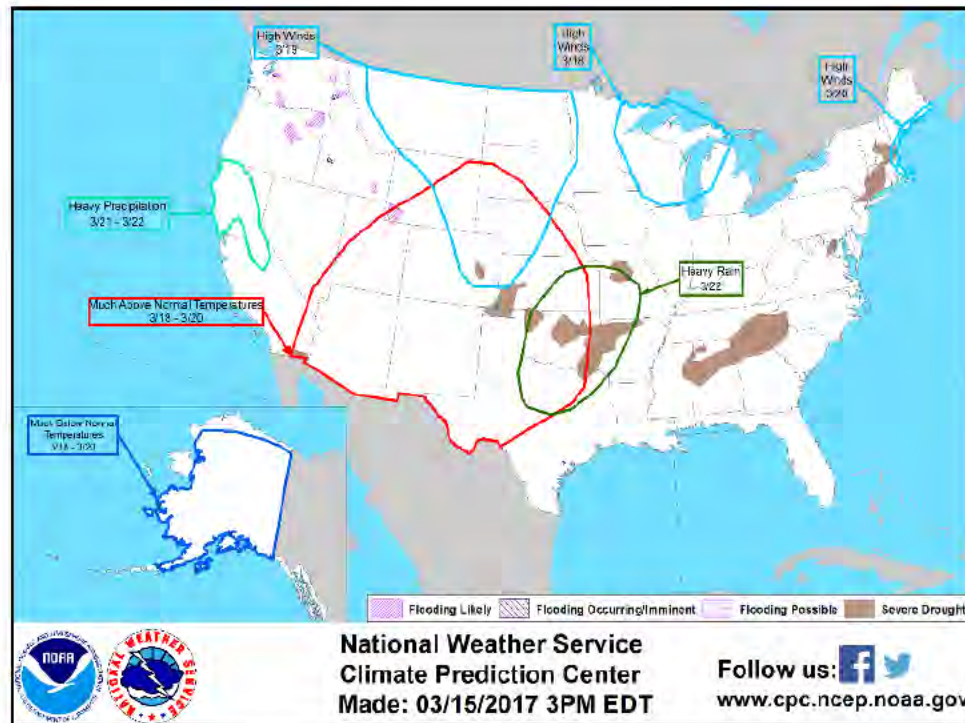
### **Today:**

Freezing rain is possible today in portions of the upper Mississippi Valley and the Great Lakes. Thunderstorms are possible in parts of the southern Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the Ohio Valley. Rain and snow are possible for portions of California, the Pacific Northwest, the northern Intermountain Region, the northern Rockies, the northern Plains, the upper Mississippi Valley, the Great Lakes, the middle Mississippi Valley, and the Ohio Valley. Snow is possible for portions of the central Appalachians, the Great Lakes, and the Northeast.

### **Tomorrow:**

Freezing rain is possible tomorrow for portions of the Great Lakes, the Ohio Valley, and the central Appalachians. Heavy snow is possible for portions of the northern Intermountain Region. Thunderstorms will continue in portions of the southern Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the Ohio Valley. Rain and snow will continue in portions of the Pacific Northwest, the northern Intermountain Region, the northern Rockies, the upper Mississippi Valley, the Great Lakes, the Ohio Valley, the southern Appalachians, the central Appalachians, the mid-Atlantic, and the Northeast.

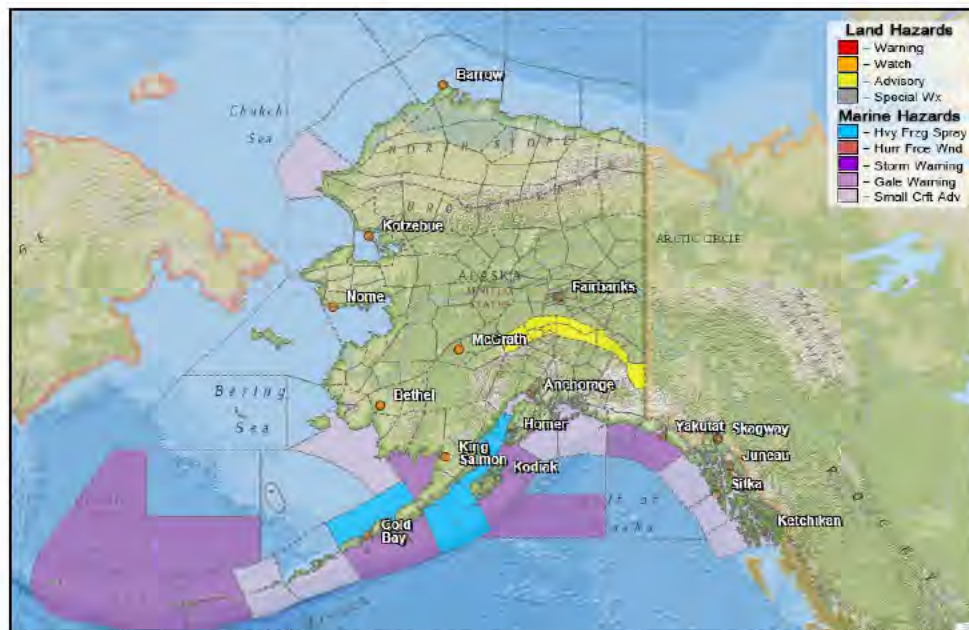
## Weather Hazard Assessment



- March 16: Severe drought across the central and southern Plains, the mid-Atlantic, the lower and middle Mississippi Valley, the Tennessee Valley, the Northeast, California, the Southeast, the southern Appalachians, and the Southwest.
- March 16: Flooding likely across portions of the northern and central Great Basin, the Pacific Northwest, and the northern Rockies.
- March 16: Flooding occurring or imminent across portions of the southern Plains, the Pacific Northwest, the northern Rockies, and the northern Great Basin.
- March 18: High winds across portions of the Great Lakes and the upper Mississippi Valley.
- March 18-20: Much above normal temperatures across portions of the northern, central and southern Plains, the central and southern Rockies, the central Great Basin, California, and the Southwest.
- March 18-20: Much below normal temperatures across portions of mainland Alaska.
- March 19: High winds across portions of the central and northern Plains and the northern Rockies.
- March 20: High winds across coastal portions of the Northeast.
- March 21-22: Heavy precipitation across portions of California.
- March 22: Heavy rain across portions of the central and southern Plains and the middle and lower Mississippi Valley.
- March 23: High winds across coastal portions of California and Oregon.
- March 23: High risk of much below normal temperatures for portions of the Northeast.
- March 23-24: Heavy rain across portions of the central and southern Plains, the lower and middle Mississippi Valley, the Tennessee Valley, the southern Appalachians, and the Ohio Valley.

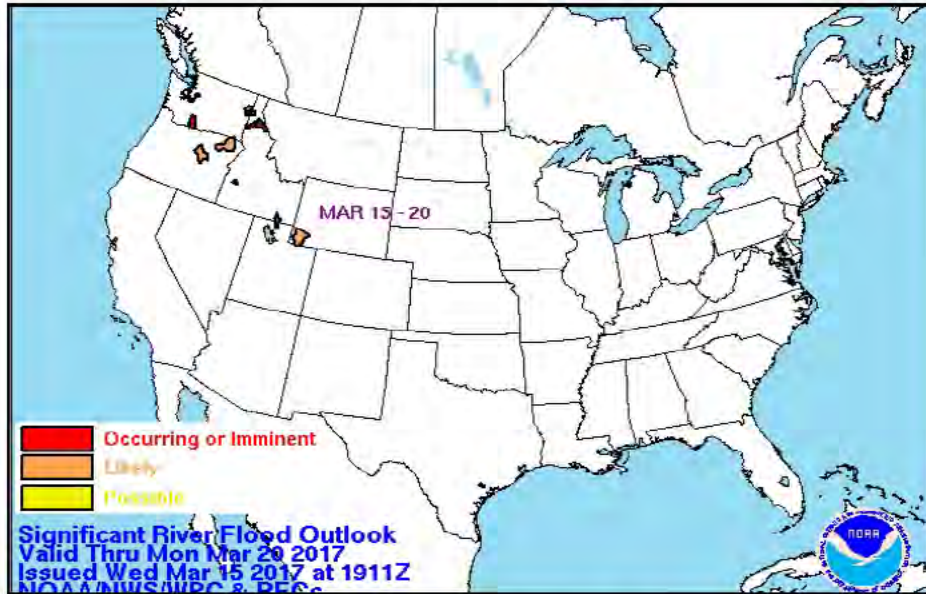
- March 23-24: Slight risk of much below normal temperatures for portions of the Northeast.
- March 23-24: Moderate risk of much below normal temperatures for portions of the Northeast.
- March 23-25: Slight risk of much below normal temperatures for portions of western mainland Alaska.
- March 23-25: Heavy precipitation across portions of California.
- March 23-26: Slight risk of much above normal temperatures for portions of Texas.
- March 24: Moderate risk of much above normal temperatures for parts of south-central Texas.
- March 25-29: Slight risk of much below normal temperatures for portions of the Northeast and lower Great Lakes.

## Alaska Weather



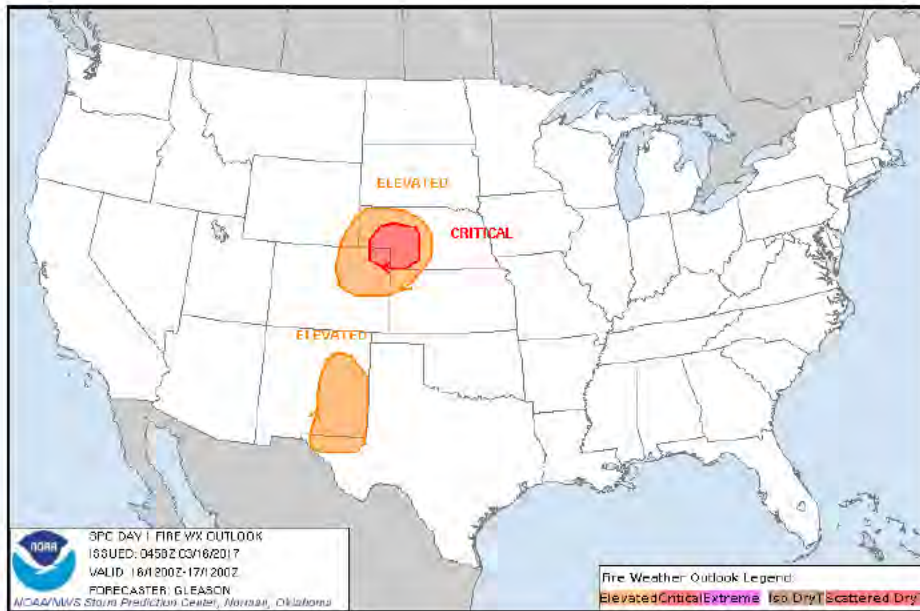
A Gale Warning is in effect for portions of the western Aleutians, the western Gulf of Alaska, the Bristol Bay, from Castle Cape to Cape Sarichef, and from Cape Suckling to Cape Fairweather. There is a Small Craft Advisory in effect in the eastern Gulf of Alaska, the central Gulf of Alaska, and the central Aleutians. There is a Heavy Freezing Spray Warning in effect from Port Heiden to Cape Sarichef, from Sitkinak to Castle Cape, the Shelikof Strait, the Barren Islands, and the central Cook Inlet. A Brisk Wind Advisory is in effect in the Etolin Strait, the Kuskokwim Delta, the northern Cook Inlet, and from Cape Thompson to Cape Beaufort. A Wind Chill Advisory is in effect from Denali to Chisana.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of northeastern Oregon, northeastern Washington, south-central Washington, northern Idaho, southwestern Idaho, southeastern Idaho, north-central Utah, and southwestern Wyoming.

## Fire Weather



There is Critical Fire Weather forecast for today in northeastern Colorado and western Nebraska. Elevated Fire Weather exists in these areas as well and expands into central Colorado, northwestern Kansas, central Nebraska, and southeastern Wyoming. Elevated Fire Weather is also forecast for portions of eastern New Mexico and western Texas.

**Severe Weather**

There is no severe thunderstorm activity forecast for today across the U.S.

**Tornado Weather**

There is less than a 2-percent chance of tornado activity today in all areas of the U.S.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, March 17, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Detection of Highly Pathogenic Avian Influenza in Tennessee

Source: U.S. Department of Agriculture and Tennessee Department of Agriculture- March 16, 2017

The United States Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) has confirmed a second case of the H7N9 strain of highly pathogenic avian influenza (HPAI) in a commercial breeder flock in Lincoln County, Tennessee.

This H7N9 strain is of North American wild bird lineage and the same strain of avian influenza that was previously confirmed in Tennessee. It is not the same as the China H7N9 virus that has impacted poultry and infected humans in Asia. The flock of 55,000 chickens is located in the Mississippi flyway, and less than two miles apart from the first detection.

On March 4, the first confirmed detection of H7N9 HPAI occurred in a commercial poultry flock in Lincoln County. On March 8, a commercial poultry flock in Giles County tested positive for H7N9 low pathogenic avian influenza (LPAI).

Wild waterfowl are natural hosts for avian influenza, including H5 and H7, and can shed the virus without appearing sick. These low pathogenic viruses can mutate to highly pathogenic forms after introduction to poultry. The primary difference between LPAI and HPAI is mortality rate in domesticated poultry. A slight change to the viral structure can make a virus deadly for birds. With LPAI, domesticated chickens and turkeys may show little or no signs of illness. However, HPAI is often fatal for domesticated poultry.



Due to the contagious nature of avian influenza and its threat to domesticated poultry, the best way to contain the virus is to depopulate affected flocks and then disinfect affected premises. Neither HPAI nor LPAI pose a risk to the food supply. No affected animals entered the food chain. Furthermore, the Tennessee Department of Health confirms that the risk of a human becoming ill with avian influenza during poultry illness incidents is very low.

USDA is working with the Tennessee Department of Agriculture on the joint incident response. State officials quarantined the affected premises, and depopulation has begun. Federal and State partners will conduct surveillance and testing of commercial and backyard poultry within a 10 kilometer (6.2 mile) radius of the site. No other flocks have shown signs of illness.

The Tennessee Department of Agriculture is working directly with poultry workers at the affected facilities to ensure that they are taking the proper precautions to prevent illness and contain disease spread. People should avoid contact with sick/dead poultry or wildlife.

### **Wildland Fire Activity**

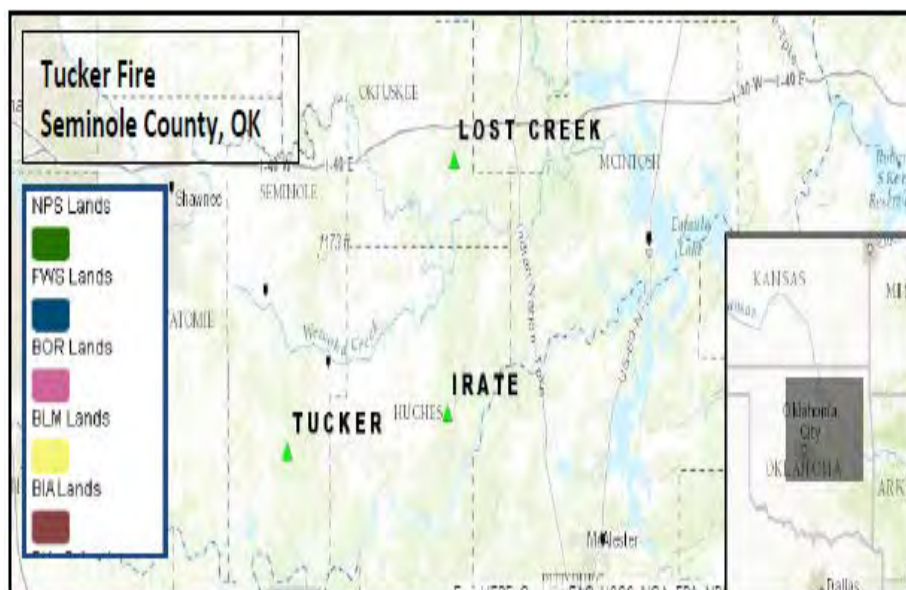
*Source: Fire and Aviation Management Website - March 17, 2017*

### **Oklahoma Fires**

#### **Tucker Fire**

- Start Date: March 3
- Location: Seminole County, Oklahoma (BIA)
- Burned Acres: 1,030 (no change)
- Containment: 91-percent (+9)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 20 / 20 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 17

Comments: Minimal fire activity was observed during this reporting period. Planned actions include mop up, patrol, and monitor activities.



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. No unusual seismic events were detected during this reporting period; however, one satellite image indicated slightly elevated surface temperatures. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 16, 2017*

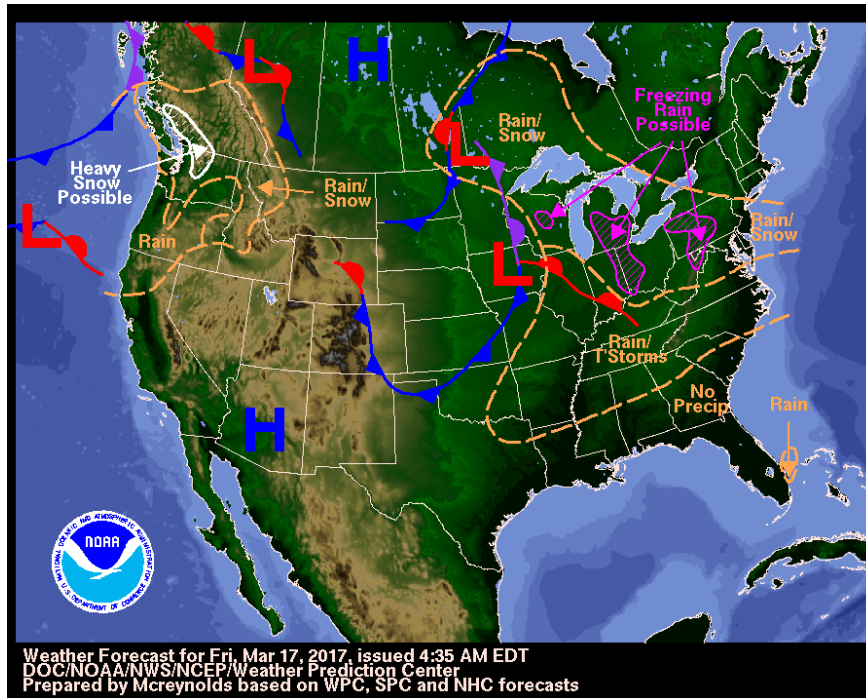
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows on and above the pali. These lava flows pose no threat to nearby communities at this time. The summit transitioned to inflationary tilt Wednesday afternoon and continued on Thursday. The lava lake level was observed to be about 77 feet below the rim of the Overlook Crater on Thursday morning. Seismicity at Kīlauea has not changed significantly in the past several days and remains at a low level.

## **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 17, 2017



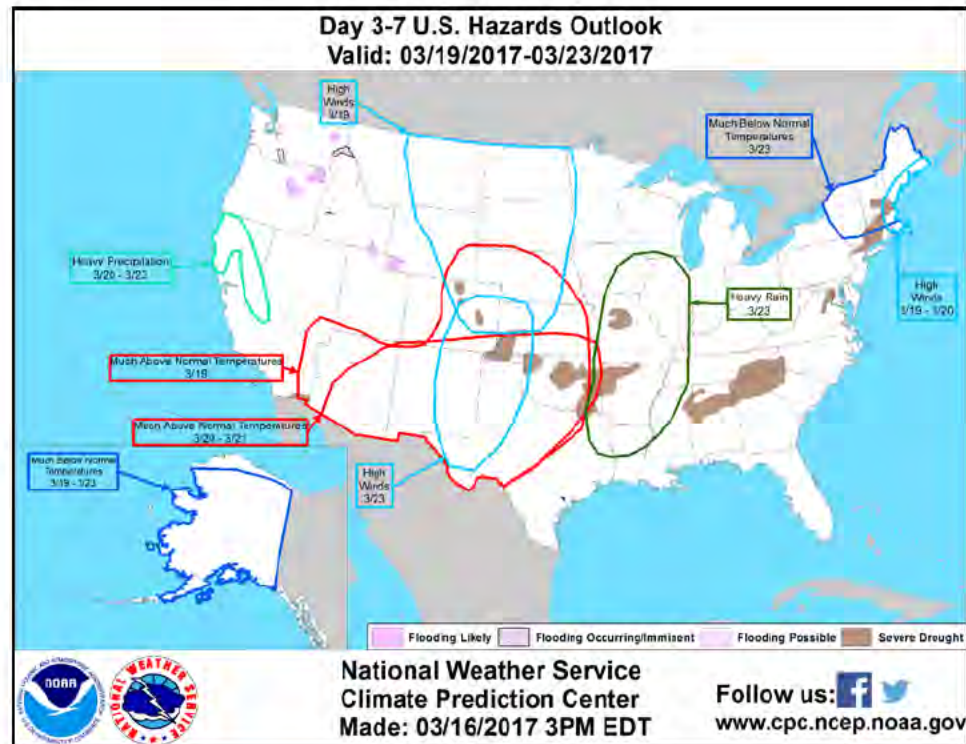
### **Today:**

Freezing rain is possible for portions of the Great Lakes, the Ohio Valley, and the central Appalachians. Heavy snow is possible for portions of the northern Intermountain Region. Thunderstorms are possible for portions of the southern Plains, the middle/lower Mississippi valleys, the Ohio/Tennessee valleys, the Southeast, and the mid-Atlantic. Rain and snow are possible for portions of the Pacific Northwest, the northern Intermountain, the northern Rockies, the upper Mississippi Valley, the Great Lakes, the Ohio Valley, the southern/central Appalachians, and the mid-Atlantic. Elevated Fire Weather conditions are expected for portions of the northern/central Plains.

### **Tomorrow:**

Heavy snow is possible for portions of the northern Intermountain Region and the Northeast. Thunderstorms will continue for portions of the southern/central Plains, the middle/lower Mississippi valleys, the Tennessee Valley, the southern Appalachians, and the Southeast. Rain and snow will continue for portions of the Pacific Northwest, California, the northern Intermountain Region, the northern/central Rockies, the upper Mississippi Valley, the Great Lakes, the Ohio Valley, the southern/central Appalachians, the mid-Atlantic, and the Northeast. Elevated Fire Weather conditions are expected for portions of the northern/central Plains.

## Weather Hazard Assessment



- March 17: Severe drought conditions across the central and southern Plains, the mid-Atlantic, the lower and middle Mississippi Valley, the Tennessee Valley, the central Rockies, the Northeast, California, the Southeast, the southern Appalachians, and the Southwest.
- March 17: Flooding likely across portions of the northern and central Great Basin and the Pacific Northwest.
- March 17: Flooding occurring or imminent across portions of the southern Plains, the Pacific Northwest, the northern Rockies, and the northern Great Basin
- March 17: Flooding possible across portions of the northern Rockies and the northern Great Basin.
- March 19: High winds across portions of the central and the northern Plains.
- March 19: Much above normal temperatures across portions of the central and southern Plains, the central and southern Rockies, and the Southwest.
- March 19-20: High winds across coastal portions of the Northeast.
- March 19-23: Much below normal temperatures across portions of mainland Alaska.
- March 20-21: Much above normal temperatures across portions of the central and southern Plains, the southern Rockies, and the Southwest.
- March 20-23: Heavy precipitation across portions of California.
- March 23: Heavy rain across portions of the entire Mississippi Valley, the Tennessee Valley, the Great Lakes, the southern Plains, and the Ohio Valley.
- March 23: High winds across parts of the central and southern High Plains.
- March 23: Much below normal temperatures across portions of the Northeast and the Great Lakes.

- March 24: Heavy rain across portions of the central and southern Plains, the lower and middle Mississippi Valley, the Tennessee Valley, the southern Appalachians, and the Ohio Valley.
- March 24: Slight risk of much below normal temperatures for portions of the Great Lakes, the mid-Atlantic, the Northeast, and the central Appalachians.
- March 24: Moderate risk of much below normal temperatures for portions of the Northeast.
- March 24-25: Heavy precipitation across portions of California.
- March 24-26: Slight risk of much below normal temperatures for portions of western mainland Alaska.
- March 24-27: Slight risk of much above normal temperatures for portions of the southern Plains.
- March 25: Moderate risk of much above normal temperatures for portions of the southern Plains.
- March 25-28: Slight risk of much below normal temperatures for portions of the Northeast and the lower Great Lakes.

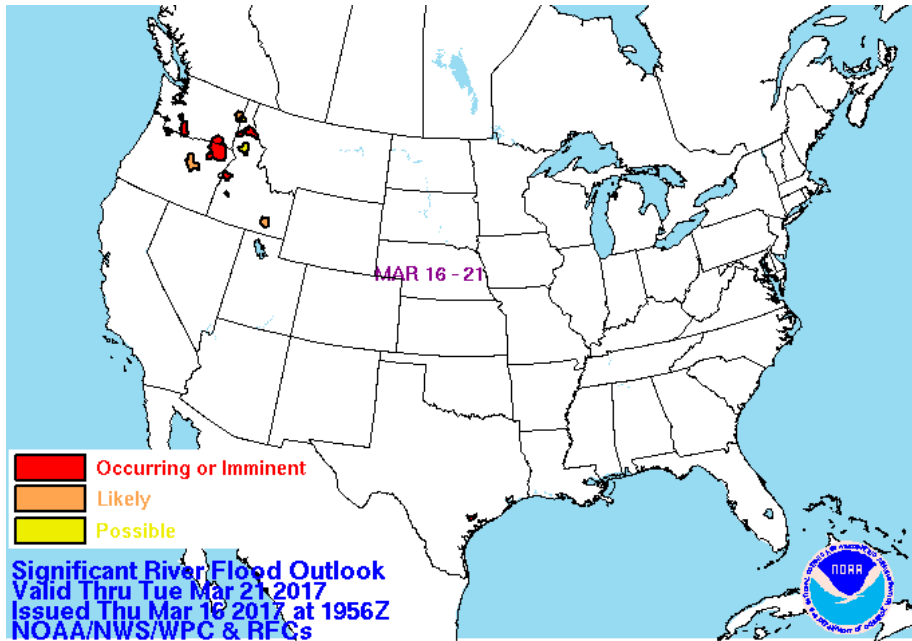
## Alaska Weather



A Gale Warning is in effect throughout the Aleutian Islands, from Attu through Seguam on both the Bering Sea and Pacific Ocean sides, the southwestern Bering Sea, Cape Sarichef, the Barren Islands East, and the southwestern portion of the Gulf of Alaska. There is a Small Craft Advisory in effect for Bristol Bay and from St Matthew Island Waters northeast to Cape Beaufort, Cape Sarichef to Nikolski, and Cape Clear to Icy Cape. There is a Heavy Freezing Spray Warning in effect for the Shelikof Strait and from Port Heiden to Cape Sarichef, Cool Inlet to Point Bede, and Cape Suckling to Cape Clear. A Brisk Wind Advisory is in effect in the Etolin Strait, the Kuskokwim Delta, the northern Cook Inlet, and from Cape Thompson to Cape Beaufort. There is a Special Weather Statement for the central interior of Alaska, including the

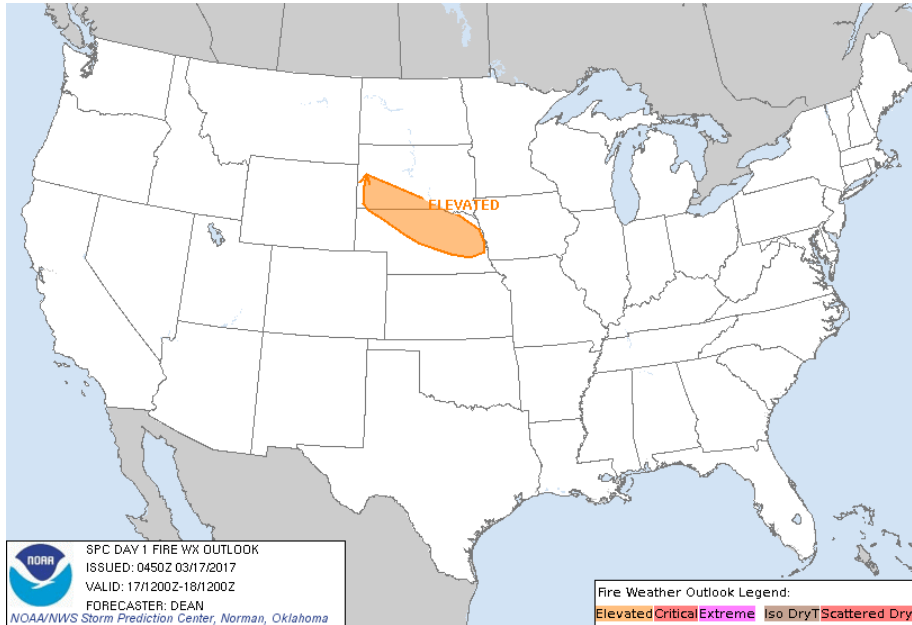
Deltana and Tanana Flats, Denali, the eastern Alaska Range, the upper and middle Tanana Valley, the southeastern Brooks Range, the upper Koyukuk Valley, the Fortymile Country, and the Yukon Flats for warming temperatures.

### Significant River Flooding



Significant River Flooding is occurring or likely today in portions of northeastern Oregon, northeastern Washington, south-central Washington, northern Idaho, southwestern Idaho, and southeastern Idaho.

### Fire Weather



There is Elevated Fire Weather forecast from southwestern South Dakota through northern and central Nebraska.

### Severe Weather

There is no severe thunderstorm activity forecast today within the U.S.

### Tornado Weather

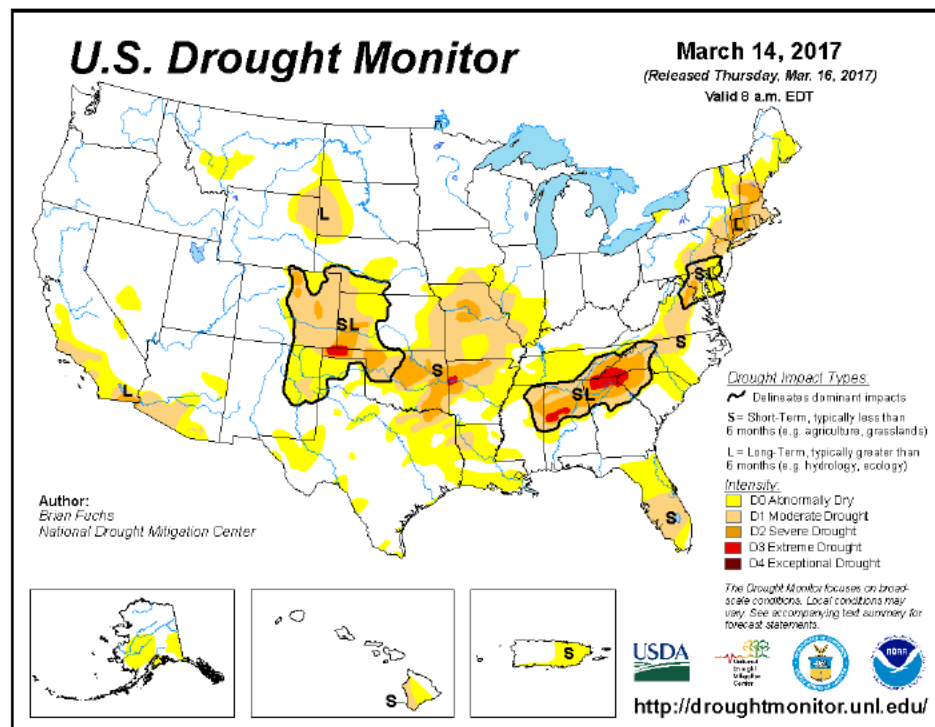
There is less than a 2-percent chance of tornado activity today in all areas of the U.S.

## Other News and Notes

### Drought Monitor

Source: U.S. Drought Monitor - March 16, 2017

A blast of winter returned to much of the eastern half of the United States with multiple storm systems impacting the Midwest, the mid-Atlantic, and the Northeast. Most areas east of the Rocky Mountains had below-normal temperatures, with portions of North Dakota experiencing temperatures 20-25 degrees below normal. The West was warm with temperatures 5-10 degrees above normal, especially in southern California and Arizona. The coastal areas of Oregon and Washington recorded up to 5 inches of precipitation, and the wet pattern extended into Idaho and western Montana. Areas from southern Texas up into the Tennessee Valley also recorded good precipitation amounts with some areas of eastern Mississippi and western Tennessee receiving over 3 inches of rain. At the end of the current U.S. Drought Monitor period, a strong Nor'easter moved up the Atlantic coast and brought with it significant rain and snow to much of New England. The impact of this storm will be determined during the next U.S. Drought Monitor period.



*\*End of Report\**

**Distribution:**

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EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, March 20, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 20, 2017*

The Incident Status Summary (ICS-209) for the Tucker Fire in Oklahoma has not been updated since last week, and full containment was expected on Friday. Therefore, the fire will not be summarized in today's report, and additional reporting is not expected.

## Florida Fires

### **Parliament Fire (Initial Report)**

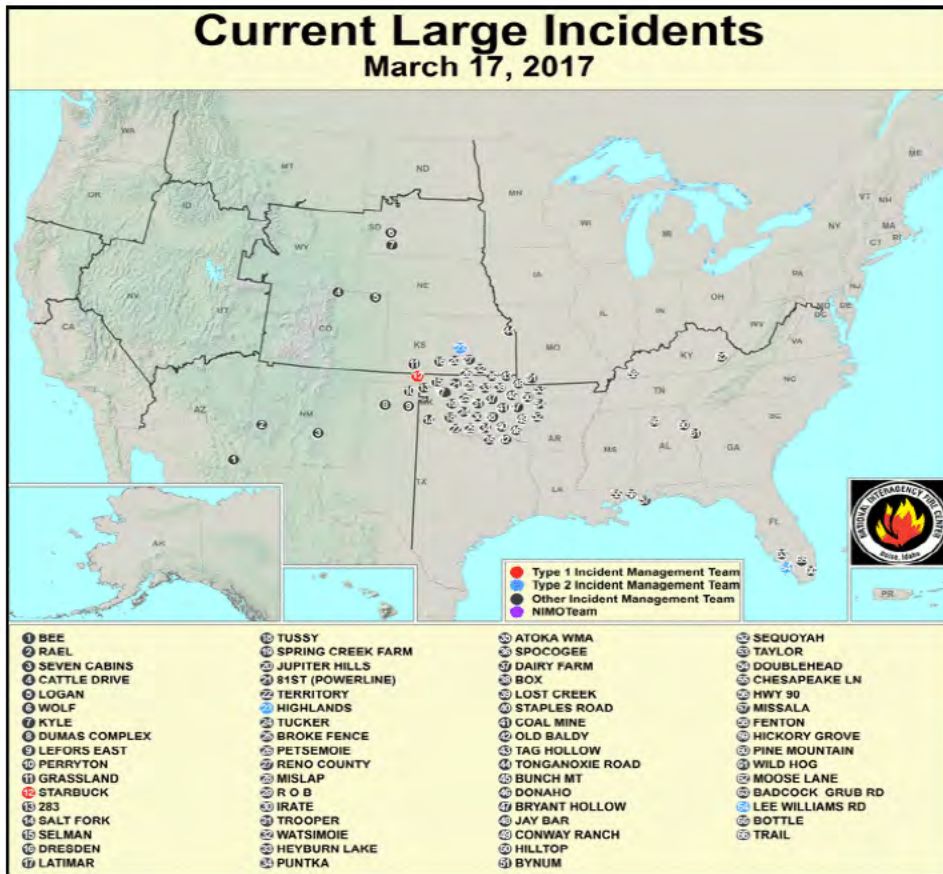
- Start Date: March 18
- Location: Big Cypress National Preserve, Florida (NPS)
- Burned Acres: 3,000
- Containment: 5-percent
- Management: Type-4 IMT
- Personnel Assigned/DOI: 9 / 2
- Structures Threatened-Single-Mixed Residential/Commercial: 4 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 26

Comments: Moderate fire activity was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residential structures, the fire is threatening endangered species habitat and other private holdings.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – March 17, 2017*

### **National Preparedness Level 1**

#### **National Fire Activity (March 10 - March 16)**

Initial attack activity:	Light (773 new fires)
New large fires:	19
Large fires contained:	22
Uncontained large fires: **	15
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No unusual seismic events were detected at the Bogoslof Volcano during this reporting period, and satellite views of the volcano have been obscured by clouds. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows above the pali. These lava flows pose no threat to nearby communities. Inflationary tilt at the summit began on Saturday night and continues. The lava lake was observed to be about 105 feet below the rim of the Overlook Crater when measured on Saturday evening, and seismicity has not changed significantly at the volcano in the past several days.

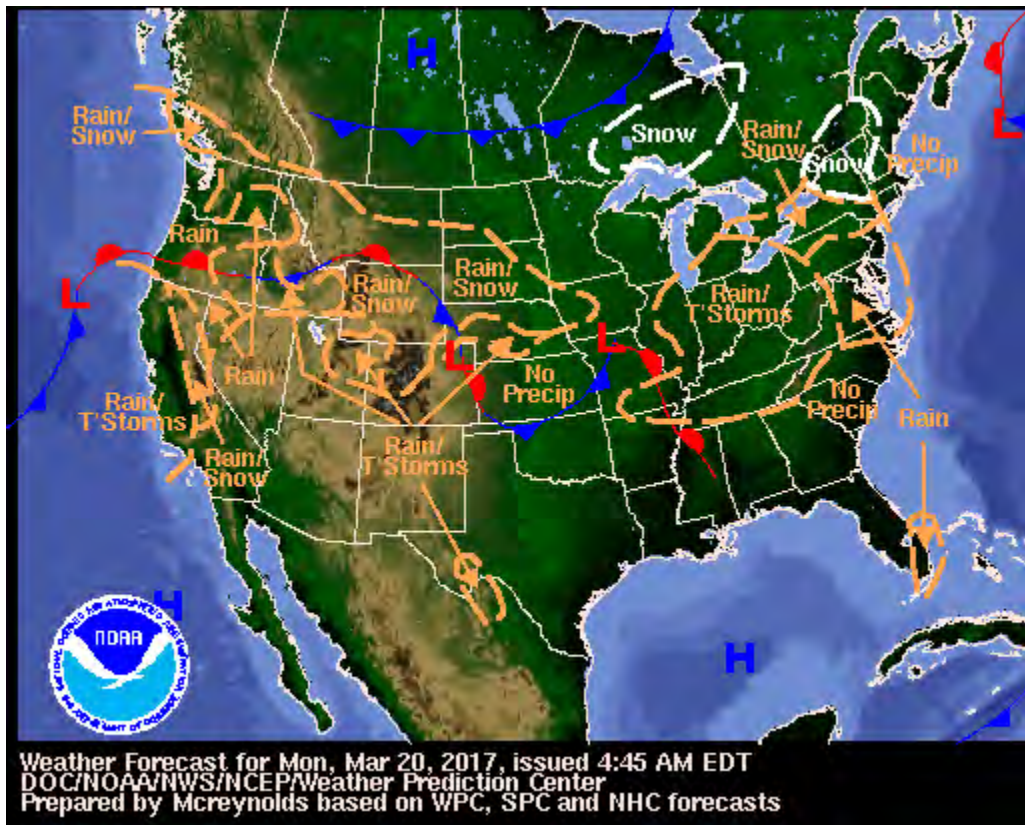
## **Earthquake Activity**

Source: *United States Geological Survey (USGS) - March 19, 2017*

The USGS reported that a magnitude 6.0 earthquake occurred on March 19 at 11:43 a.m. EDT, approximately 42 miles to the north of Auki in the Solomon Islands. The earthquake occurred at a depth of approximately 2.5 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for casualties and damages.

## **Significant National Weather**

Source: *Federal Emergency Management Agency and National Weather Service - March 20, 2017*



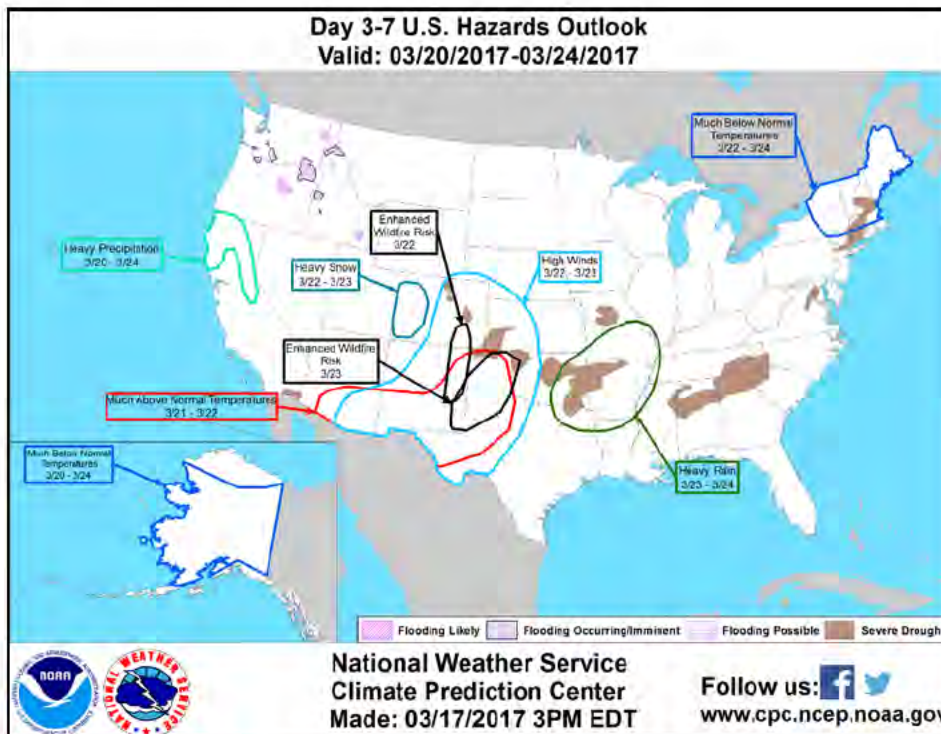
### **Today:**

Rain and snow are forecast today for portions of the Pacific Northwest, California, the northern Intermountains, the central Great Basin, the northern/central Plains, the Great Lakes, the mid-Atlantic, the central Appalachians, and the Northeast. Snow is forecast for portions of the Great Lakes and the Northeast. Rain and thunderstorms are forecast for portions of California, the central Rockies, the central Plains, the middle/lower Mississippi Valley, the Great Lakes, the Ohio/Tennessee valleys, and the central/southern Appalachians. Critical Fire Weather conditions are expected for parts of central and southwestern Oklahoma. Elevated Fire Weather conditions are expected for the central/southern Plains.

## Tomorrow:

Heavy snow is possible tomorrow for portions of southern California, and snow is possible for portions of northern Maine. Rain and thunderstorms are forecast for portions of the Pacific Northwest, California, the central Great Basin, the central/southern Plains, the middle/lower Mississippi Valley, the Ohio/Tennessee valleys, the southern Appalachians, the southeastern U.S., and the mid-Atlantic. Rain and snow are forecast for portions of the the Pacific Northwest, California, the northern Intermountain, the central Great Basin, the northern/central Rockies, the northern/central Plains, the middle Mississippi Valley, the Ohio Valley, the central/southern Appalachians, the Great Lakes, and the mid-Atlantic.

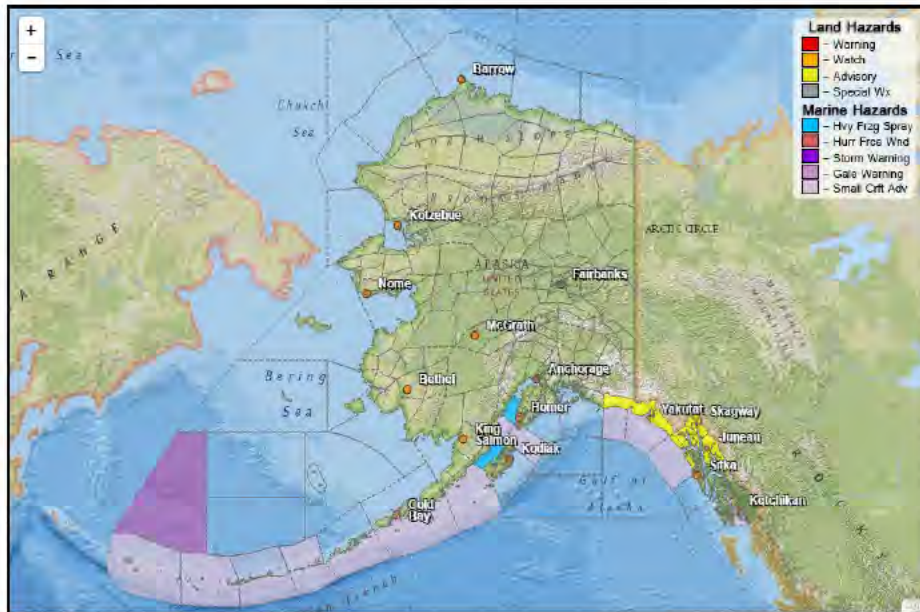
## Weather Hazard Assessment



- March 20-24: Periods of heavy precipitation (rain and high elevation snow) across portions of northern California.
- March 20-24: Much below normal temperatures across portions of mainland Alaska and the Alaska Peninsula.
- March 21-22: Much above-normal temperatures for parts of the Southwest and the southern High Plains.
- March 22-23: Heavy snow for parts of the central Rockies.
- March 22-23: High winds for parts of the Southwest and the central and southern High Plains.
- March 22-23: Enhanced wildfire risk for the central and southern High Plains.
- March 22-24: Much below-normal temperatures for parts of the Northeast.
- March 23-24: Heavy rain for parts of Oklahoma, northeastern Texas, and the lower to middle Mississippi Valley.

- March 25: Slight risk of much below-normal temperatures for parts of southeastern mainland Alaska.
- March 25-26: Moderate risk of much above-normal temperatures for the southern High Plains.
- March 25-28: Slight risk of much above-normal temperatures for parts of the central and southern Great Plains and the Rio Grande Valley.

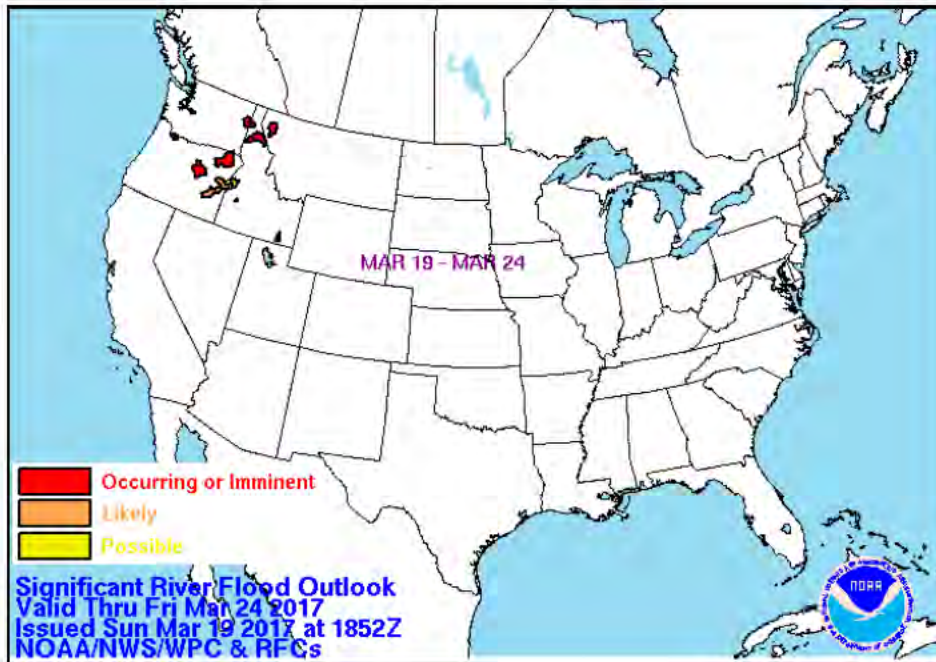
## Alaska Weather



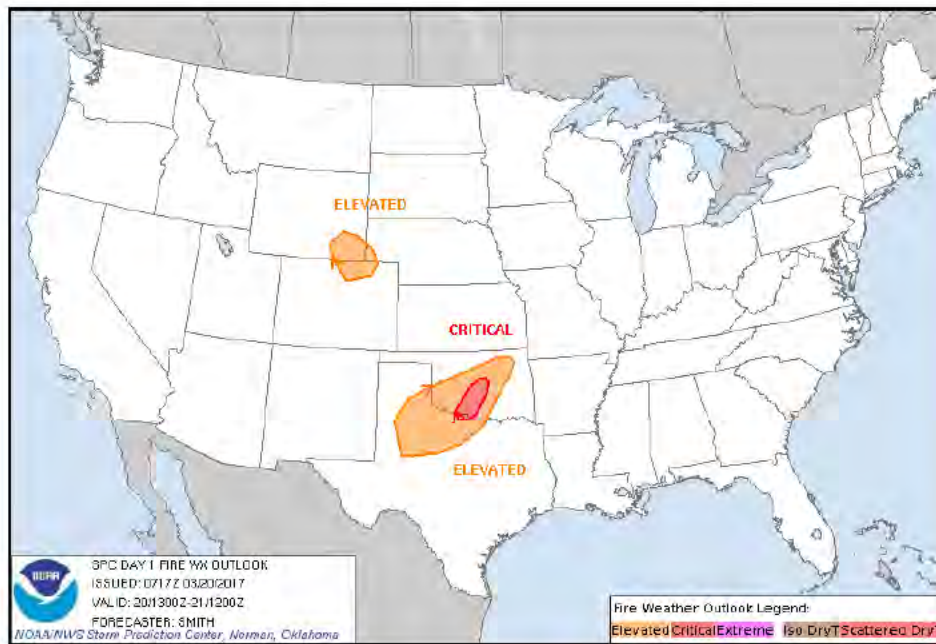
A Small Craft Advisory is in effect in the Aleutian Islands, the Barren Islands, and from Cape Suckling to Cape Edgecumbe. There is a Heavy Freezing Spray Warning in effect in the Shelikof Strait, and the central Cook Inlet. There is a Winter Weather Advisory in effect from Yakutat to Sitka.

## Significant River Flooding

Significant River Flooding is occurring or likely today in portions of northeastern Oregon, eastern Oregon, northwestern Oregon, northeastern Washington, northwestern Washington, northern Idaho, west-central Idaho, southeastern Idaho, and northwestern Montana.



### Fire Weather



There is Critical Fire Weather forecast today for portions of central Oklahoma, south-central Oklahoma, and north-central Texas. There is Elevated Fire Weather forecast for portions of southeastern Wyoming, western Nebraska, north-central Colorado, northern Texas, and from southwestern to northeastern Oklahoma.

### Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

**Tornado Weather**

There is less than a 2-percent chance of tornado activity today in all areas of the U.S.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, March 21, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 21, 2017*

### Florida Fires

#### **Parliament Fire**

- Start Date: March 18
- Location: Big Cypress National Preserve, Florida (NPS)
- Burned Acres: 4,275 (+1,275)
- Containment: 0-percent (-5)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 24 (+15) / 8 (+6)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 (+10) / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 26

Comments: Moderate fire activity was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residential structures, the fire is threatening endangered species habitat and other private holdings. Major concerns for this reporting period are smoke impacting highway movement and access for firefighters.



IGEMS Image

### **Response Level 1 - Dickinson Dam, North Dakota**

*Source: U.S. Bureau of Reclamation (USBR) – March 20, 2017*

The USBR is reporting that the Dickinson Dam, in North Dakota, has entered into a Response Level 1. As of March 20, the reservoir water surface (RWS) elevation was 2,420.59 feet due to ongoing snowmelt and the recent rainfall in the area. This RWS elevation exceeds the top of the Bascule gate, which is 2,420.50 feet, and water is flowing over the top of the gate at an estimated 170 cubic feet per second (cfs).

A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. USBR will continue to monitor the situation at the Dickinson Dam and provide updates as warranted.

### **USGS Response to Idaho Flooding**

*Source: U.S. Geological Survey (USGS) – March 20, 2017*

Idaho is currently experiencing flooding as a result of a recent warming trend and multiple storms bringing rain to high elevation snowpacks. Four gages are currently above or predicted to breach the action stage, and seven gages are currently above or predicted to go above flood stage this week. As a result of the flooding, the Idaho Water Science Center (IDWSC) deployed all of its crews from the Post Falls and Boise offices over the weekend to conduct flood measurements, sediment sampling, and rating verification. Crews are also being deployed this week in Idaho Falls.

Rapid Deployment Gages (RDGs) have been deployed and continue to operate on Sheep Creek, on the Boise River in southwestern Idaho, and on the Big Canyon Creek in north-central Idaho to monitor flows through a recently burned area. All gaging stations appear to be working properly. The IDWSC is maintaining communication with the National Weather Service, the

USBR, and the Idaho Department of Transportation to ensure the critical un-gaged river and stream reaches are monitored for public safety.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 20, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period, and satellite views of the volcano have been obscured by clouds. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 20, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows above the pali. These lava flows pose no threat to nearby communities. Inflationary tilt at the summit continues, and the lava lake was observed to be about 56 feet below the rim of the Overlook Crater when measured on Monday morning. Seismicity has not changed significantly at the volcano in the past several days, and it remains at a low level.

### **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 21, 2017

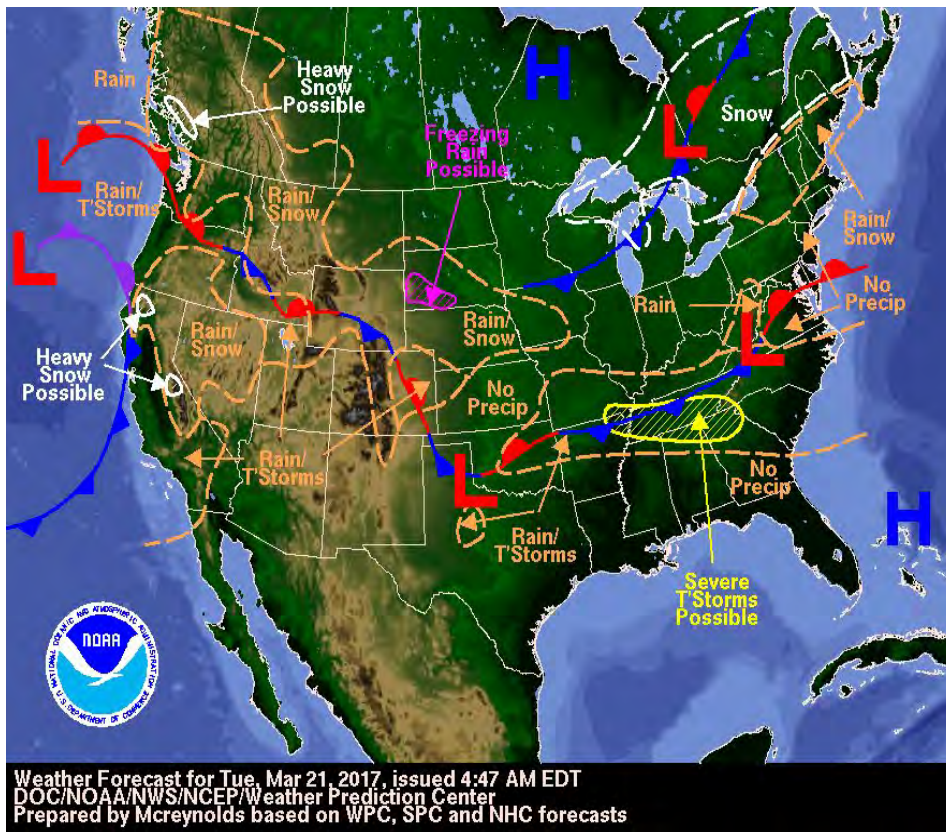
#### **Today:**

There is a slight risk of severe thunderstorms today from portions of southeastern Missouri and northeastern Arkansas to the southern Appalachians. Freezing rain is possible for parts of southwestern South Dakota. Heavy snow is possible for portions of California, and snow is possible for portions of the Great Lakes and northern Maine. Rain and thunderstorms are forecast for portions of the Pacific Northwest, California, the central Great Basin, the central/southern Plains, the middle/lower Mississippi Valley, the Ohio Valley, the Tennessee Valley, the southern Appalachians, the southeastern U.S., and the mid-Atlantic. Rain and snow are forecast for portions of the the Pacific Northwest, California, the northern Intermountain, the

central Great Basin, the northern/central Rockies, the northern/central Plains, the central Appalachians, the Great Lakes, and the Northeast.

**Tomorrow:**

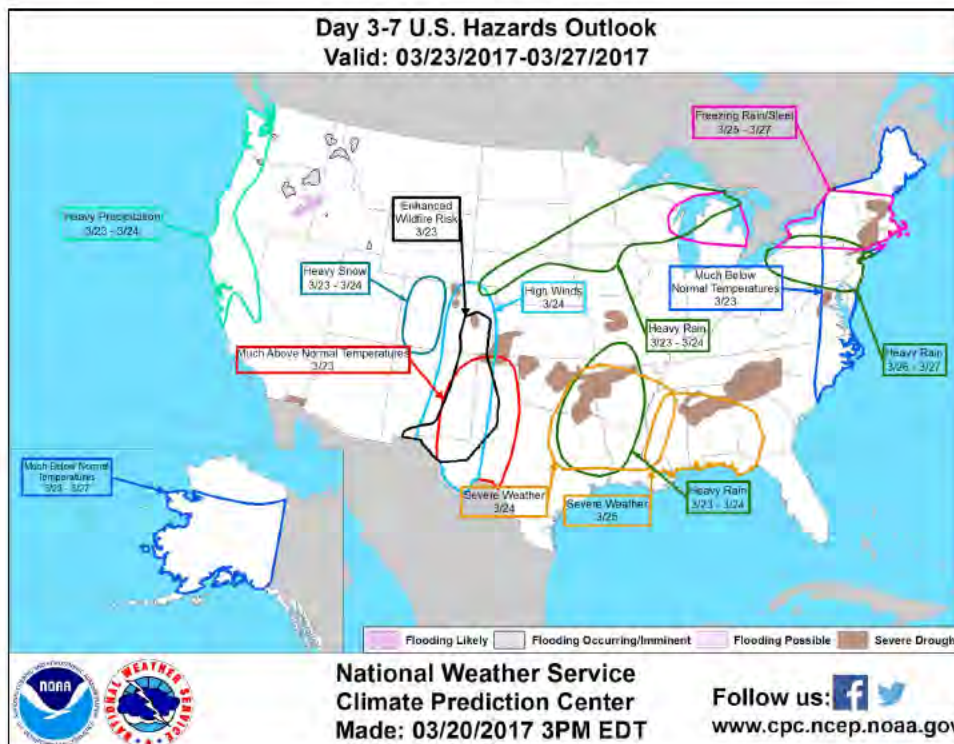
Heavy snow will continue for portions of the Pacific Northwest. Rain and thunderstorms will continue for portions of California, the Southwest, the central/southern Plains, the middle/lower Mississippi Valley, and the southeastern U.S. Snow is forecast for portions of the Northeast. Rain and snow are forecast for portions of the Pacific Northwest, California, the northern Intermountain, the central Great Basin, the northern/central Rockies, the northern/central Plains, and the upper/middle Mississippi Valley.



**Weather Hazard Assessment**

- March 21: Flooding is possible, likely, or imminent over parts of the Pacific Northwest and northern Rockies.
- March 21: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- March 23: Much above-normal temperatures for the southern High Plains.
- March 23: Much below-normal temperatures over the Northeast, the mid-Atlantic, and the eastern Carolinas.
- March 23: Enhanced wildfire risk for the southern High Plains.
- March 23-24: Severe weather for the central and east-central portions of the Gulf Coast.

- March 23-24: Heavy snow for the Colorado Rockies
- March 23-24: Heavy rain for the eastern sections of the southern Plains and the lower Mississippi Valley.
- March 23-24: Heavy rain from southwestern Nebraska northeastward to northern and central Michigan.
- March 23-24: Heavy precipitation for western Washington, western Oregon, and much of the northern half of California.
- March 23-27: Much below-normal temperatures over mainland Alaska, south of the Brooks Range.
- March 24: Severe weather for eastern portions of the southern Plains and the lower Mississippi Valley.
- March 24: High winds for the central and southern High Plains.
- March 25-27: Freezing rain and sleet for much of the northern and central Great Lakes, most of New York, and southern and central New England.
- March 26-27: Heavy rain for the northern mid-Atlantic.
- March 28-29: Heavy rain for eastern portions of Oklahoma and Texas.

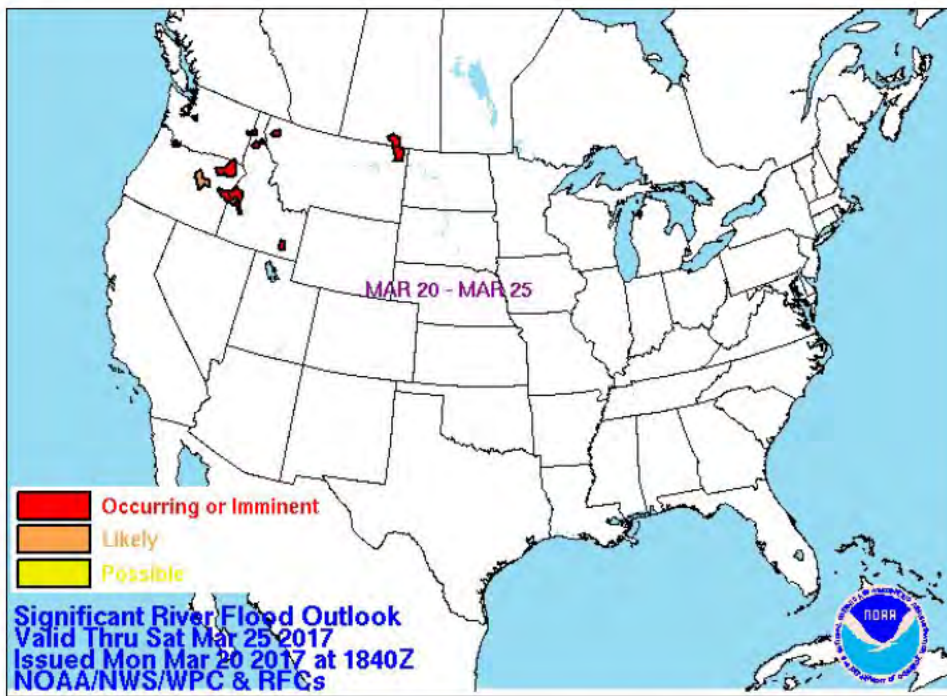


## Alaska Weather

There is a Small Craft Advisory in effect in the central and western Aleutian Islands, from Castle Cape to the Barren Islands, and from Icy Cape to Cape Edgecumbe. There is a Brisk Wind Advisory in effect from Cape Thompson to Cape Beaufort and from Flaxman Island to Demarcation Point.



### Significant River Flooding



Significant River Flooding is occurring or likely today in portions of Oregon, Washington, Idaho, northwestern Montana, and northeastern Montana.

### Fire Weather

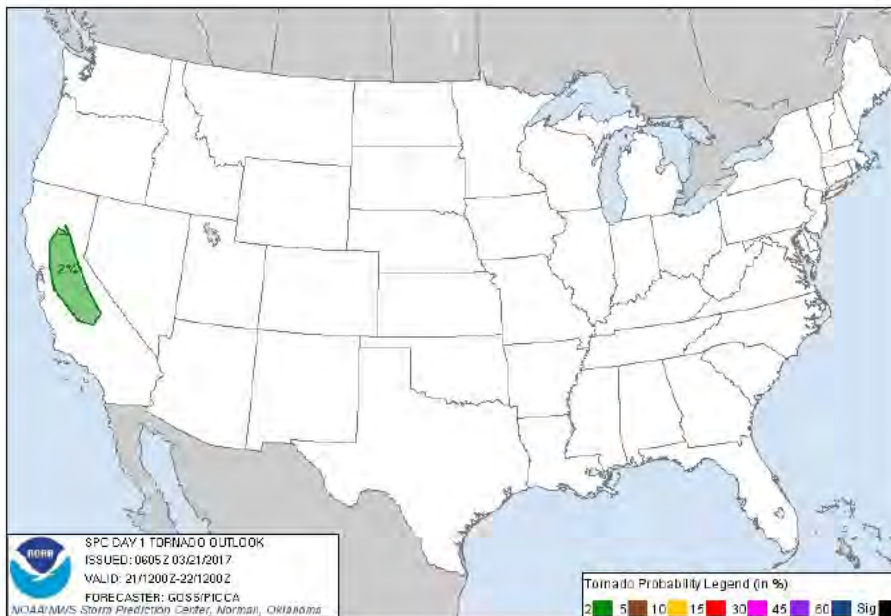
There is no Critical Fire Weather forecast for today across the U.S.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today from southeastern Missouri and northeastern Arkansas to western North Carolina and northern Georgia. There is a Marginal Risk area surrounding the Slight Risk area that expands from eastern South Carolina to southwestern Missouri. There is also a Marginal Risk of severe thunderstorms across portions of the Sacramento Valley area in California.

## Tornado Weather



There is a 2-percent chance of tornado activity today across the Sacramento Valley area of California.

*\*End of Report\**

**Distribution:**

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IOS Senior Officials

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, March 22, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Natural and Cultural Resources Recovery Support Function (NCR RSF)

*Source: Office of Environmental Policy and Compliance (OEPC) SPOTREP - March 21, 2017*

### North Carolina - Hurricane Mathew

The OEPC continues to lead the NCR RSF at FEMA's Joint Field Office (JFO) in Durham, North Carolina. The OEPC's Field Coordinators are nearing completion of the NCR portion of FEMA's Recovery Support Strategy (RSS), which provides a blueprint for Federal assistance to State's recovering from impacts associated with Hurricane Matthew. OEPC's mission assignment has been extended through April to facilitate the State's implementation efforts. Continued support will be provided remotely, following demobilization of the NCR Lead Field Coordinator at the end of March.

### Louisiana - Severe Storms and Flooding

The OEPC continues to lead the NCR RSF at FEMA's JFO in Baton Rouge, Louisiana. The OEPC's Field Coordinator continues coordination with the interagency team and the State to finalize implementation of the NCR portion of FEMA's RSS. The National Park Service Rivers and Trails Conservation Assistance Program, the National Center for Preservation Technology and Training, the Office of Policy Analysis, and the U.S. Fish and Wildlife Service's Coastal Protection Program are engaged in providing technical support to NCR Recovery efforts. The OEPC's mission assignment has been extended through July to facilitate the State's

implementation efforts. Continued support will be provided remotely, following demobilization of the NCR Field Coordinator at the end of March.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - March 21, 2017*

#### **Oklahoma Fires**

##### **Coker Fire (Initial Report)**

- Start Date: March 20
- Location: Hughes, OK
- Burned Acres: 1,157
- Containment: 30-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 15 / 15
- Structures Threatened-Single-Mixed Residential/Commercial: 3 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 24

Comments: Active, creeping, and smoldering fire activity was observed during this reporting period. The primary fuel source for this fire is hardwood litter. High winds were a primary weather concern for this reporting period. Planned actions for the next operational period are to continue with line construction and improve the containment lines.

##### **Quassarte Fire (Initial Report)**

- Start Date: March 16
- Location: Wetumka, OK
- Burned Acres: 2,300
- Containment: 75-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 19 / 15
- Structures Threatened-Single-Mixed Residential/Commercial: 22 / 1
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire behavior was observed during this reporting period. The primary fuel source for this fire is tall grass and hardwood litter. Planned actions for the next reporting period are to contain slop over, improve containment line, and mop up.



IGEMS Image

## Florida Fires

### Parliament Fire

- Start Date: March 18
- Location: Big Cypress National Preserve, FL
- Burned Acres: 6,027 (+1,752)
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 37 (+13) / 7 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 26

Comments: Moderate fire activity was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residential structures, the fire is threatening endangered species habitat and other private holdings. Major concerns for this reporting period were wind driven runs.



IGEMS Image

**Response Level 1 - Dickinson Dam, North Dakota**

*Source: U.S. Bureau of Reclamation (USBR) – March 21, 2017*

The USBR is reporting that the Dickinson Dam, in North Dakota, remains in Response Level 1. The reservoir water surface (RWS) elevation has receded over the past 24 hours to 2,420.50 feet with an estimated 199 cubic feet per second (cfs) flowing over the Bascule gate. Average computed reservoir inflow for the preceding 24 hours is approximately 167 cfs.

A Response Level 1 is the lowest of USBR’s response levels and does not indicate a risk to the downstream population. USBR will continue to monitor the situation at the Dickinson Dam and provide updates as warranted.

**Volcano Activity**

**Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 21, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period, however weakly elevated surface temperatures were observed in satellite views. The volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō is entering the ocean at Kamokuna and feeding surface flows above the pali. These lava flows pose no threat to nearby communities. Inflationary tilt at the summit continues, and the lava lake was observed to be about 48 feet below the rim of the Overlook Crater when measured on Monday morning. Seismicity has not changed significantly at the volcano in the past several days, and it remains at a low level.

## **Significant National Weather**

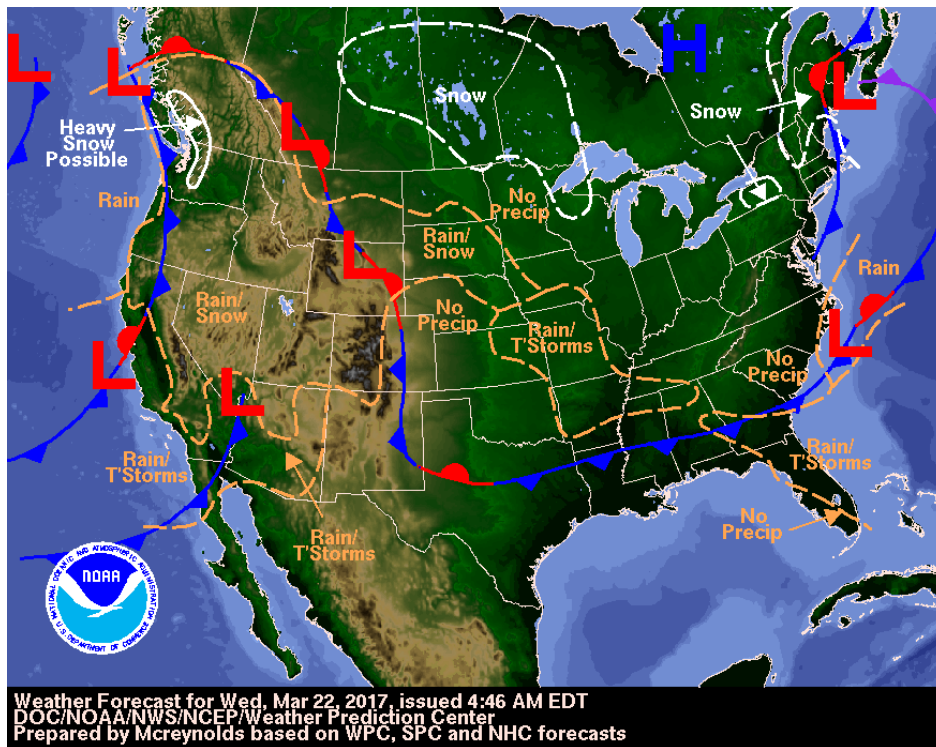
*Source: Federal Emergency Management Agency and National Weather Service - March 21, 2017*

### **Today:**

Heavy snow continues for portions of the Pacific Northwest. Snow is forecast for portions of the Northeast. Rain and snow is forecast for parts of the Pacific Northwest, California, the northern Intermountain, the central Great Basin, the Southwest, the northern/central Rockies, the northern/central Plains, and the upper/middle Mississippi Valley. Rain and thunderstorms are forecast for portions of California, the Southwest, the central Plains, the middle/lower Mississippi Valley, the Tennessee Valley, the southern Appalachians, and the Southeast. Critical and Elevated Fire Weather conditions are expected for portions of Arizona, New Mexico, Colorado, and Texas.

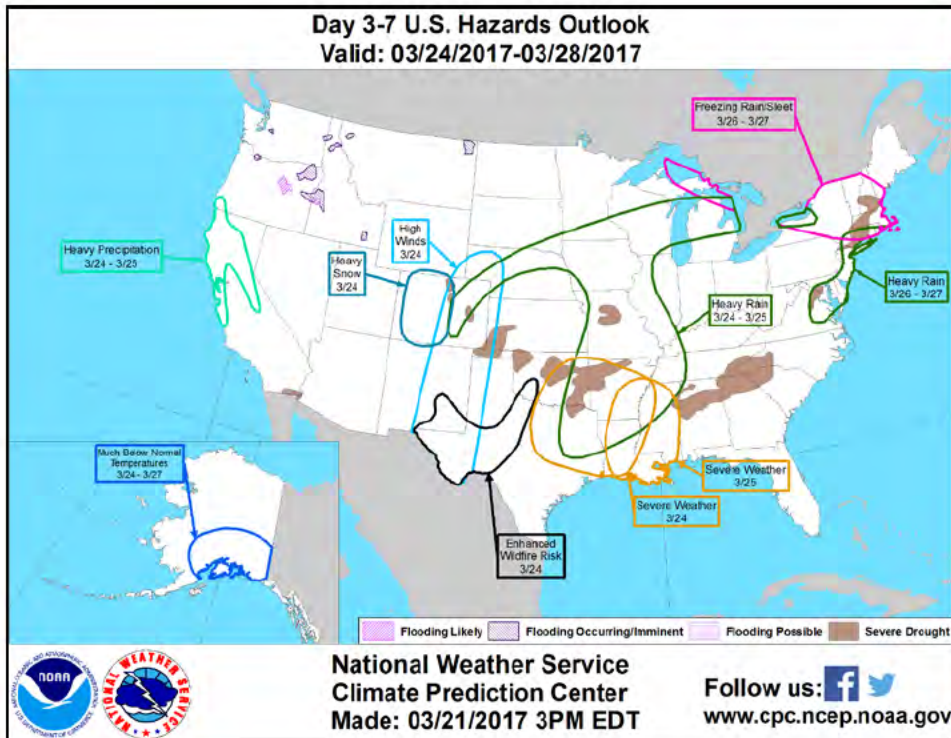
### **Tomorrow:**

There is a Slight Risk of severe thunderstorms for portions of the central and the southern Plains. Freezing rain is possible for the northern Mississippi Valley, the Great Lakes, the central Appalachians, the Northeast, and the mid-Atlantic. Heavy snow is forecast for parts of California, the northern Intermountain, and the northern/central Rockies. Rain and snow is expected for the Pacific Northwest, the northern Intermountain, California, the central Great Basin, the Rockies, the northern Plains, the upper/middle Mississippi Valley, the Great Lakes, the central Appalachians, the Northeast, and the mid-Atlantic. Rain and thunderstorms are forecast for the Plains, the middle/lower Mississippi Valley, and the Southeast. Extreme, Critical, and Elevated Fire Weather conditions are expected for portions of Arizona, New Mexico, Colorado, Wyoming, Nebraska, Kansas, Oklahoma, and Texas.



## Weather Hazard Assessment

- March 22: Flooding is possible, likely, or imminent/occurring over parts of the Pacific Northwest, the northern Rockies, and extreme northeastern Montana.
- March 24: Severe Weather for eastern portions of the southern Plains, and the lower Mississippi Valley.
- March 24: High winds for the central and southern High Plains.
- March 24: Enhanced wildfire risk for the far southern High Plains.
- March 24: Heavy snow for the Colorado Rockies.
- March 24-25: Heavy rain from eastern Colorado northeastward across the upper Mississippi Valley, and continuing eastward across the central Great Lakes region and also southward across most of the middle and lower Mississippi Valley and parts of adjacent states.
- March 24-25: Heavy precipitation for portions of northern California.
- March 24-27: Much below-normal temperatures over south-central and southeastern mainland Alaska.
- March 25: Severe Weather for the lower Mississippi Valley.
- March 26-27: Heavy rain for the Atlantic coastal plain from far southern New England to eastern Virginia.
- March 26-27: Freezing rain/sleet for much of the northern and eastern Great Lakes region, most of New York state, and most of New England.

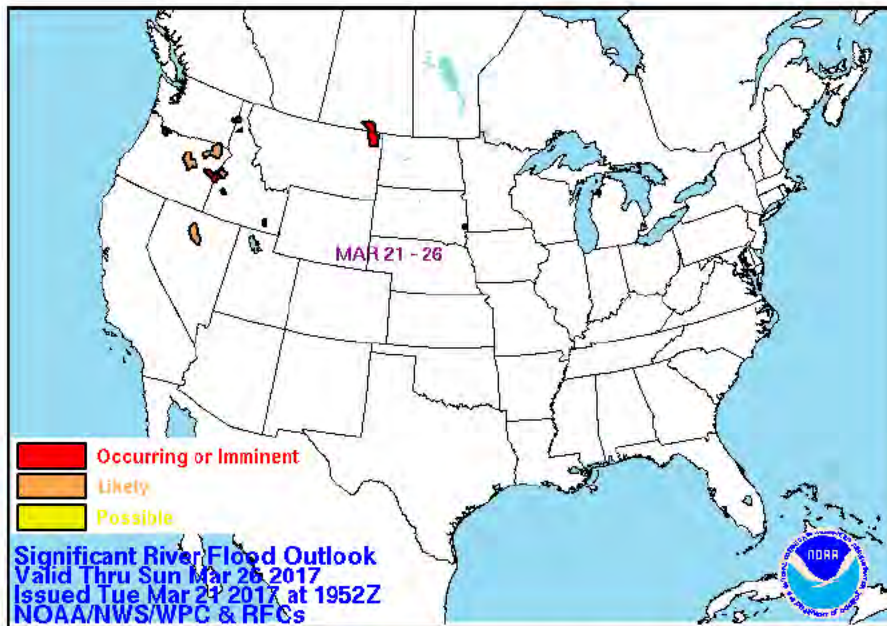


## Alaska Weather

There is a Small Craft Advisory in effect in the central and western Aleutian Islands, from Kiska to Attu, Adak through Nikolski, Castle Cape through Cape Suckling, King Cove, Shelikof Strait, and west of the Barrens Islands, including Kamishak Bay. There is a Brisk Wind Advisory in effect from Cape Thompson to Point Franklin and from Flaxman Island to Demarcation Point.



## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of Oregon, Washington, Idaho, Nevada, and northeastern Montana.

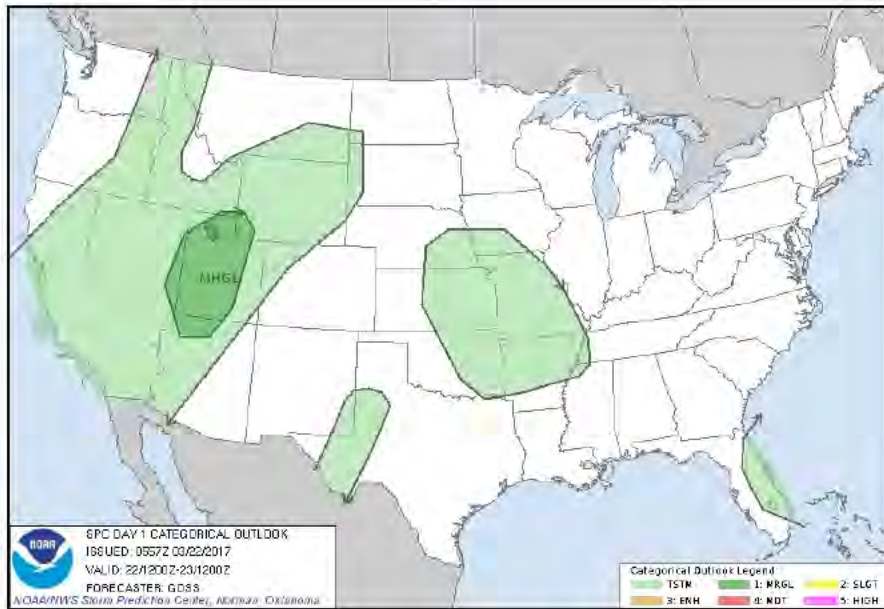
## Fire Weather



Critical Fire Weather is forecast today across portions of New Mexico, far southeastern Arizona, and southeastern Colorado. There is Elevated Fire Weather forecast for a larger area extending into southwestern Texas, eastern Arizona, and eastern Colorado.



## Severe Weather



There is a Marginal Risk of severe thunderstorms across parts of Utah and small portions of Nevada, Idaho, Arizona, and Wyoming.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
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Deputy Assistant Secretaries  
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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, March 23, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 23, 2017*

The Incident Status Summary (ICS-209) for the **Coker Fire** in Oklahoma has not been updated since March 21, and the fire will not be summarized in today's report. Reporting will resume when an updated ICS-209 is published.

## Oklahoma Fires

### **Chupco (Initial Report)**

- Start Date: March 19
- Location: Lamar, OK (BIA)
- Burned Acres: 2,405
- Containment: 40-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 26 / 26
- Structures Threatened-Single-Mixed Residential/Commercial: 6 / 0
- Other Structures: 12
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

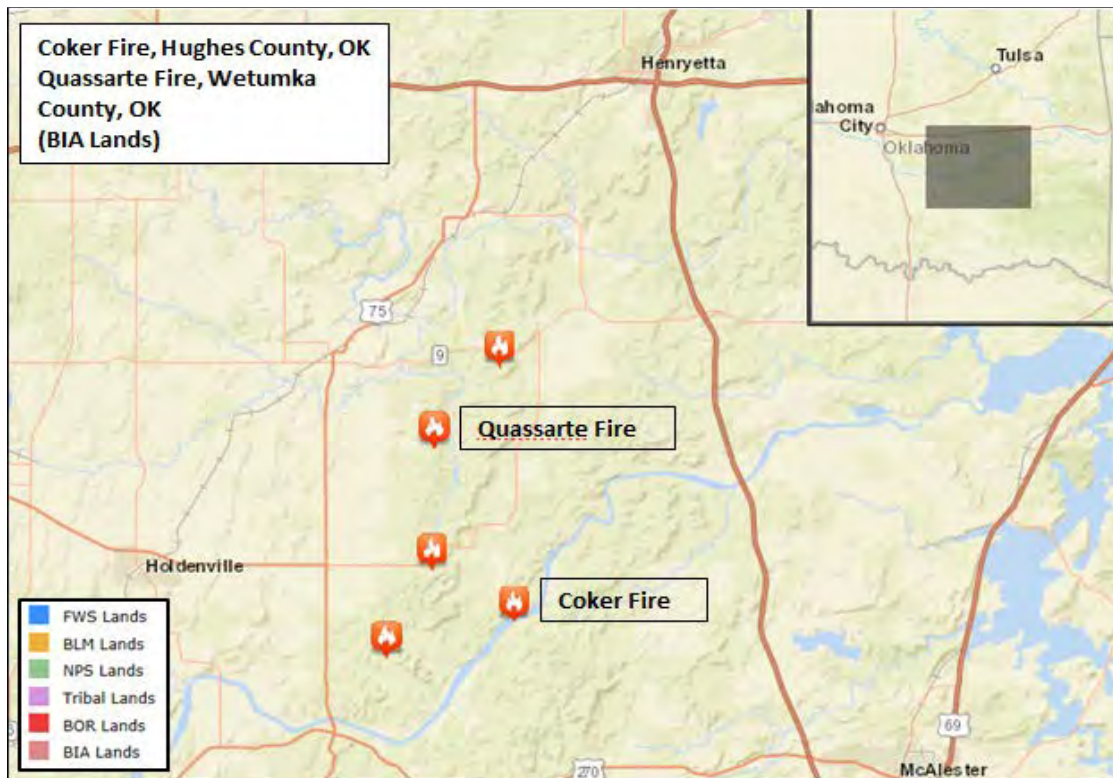
Comments: Active fire behavior was observed during this reporting period. The fire escaped containment and burned another 1,600 acres. Some movement is possible to the south.



### Quassarte Fire

- Start Date: March 16
- Location: Wetumka, OK (BIA)
- Burned Acres: 2,300 (no change)
- Containment: 90-percent (+15)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 4 (-15) / 4 (-11)
- Structures Threatened-Single-Mixed Residential/Commercial: 22 / 1
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire behavior was observed during this reporting period. Planned actions for the next reporting period are mop up and patrol.



IGEMS Image

## Florida Fires

### Parliament Fire

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 11,568 (+5,541)
- Containment: 20-percent (+20)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 80 (+43) / 5 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 10 (no change) / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 26

Comments: Moderate fire behavior was observed during this reporting period. A decrease in fire activity was observed overnight with a low fire spread. Red-cockaded woodpecker clusters, Florida panther, and bonneted bat habitats are threatened.



IGEMS Image

### **Response Level 1 - Dickinson Dam, North Dakota**

*Source: U.S. Bureau of Reclamation (USBR) – March 22, 2017*

On March 20, the USBR entered the Dickinson Dam into Response Level 1, as the reservoir water surface (RWS) elevation reached 2,420.59 feet, exceeding the top of the Bascule gate, which is 2,420.50 feet. Response Level 1 at Dickinson Dam was terminated yesterday at 2:30 p.m. EDT, as the RWS elevation, as well as outflow continues to recede. The current RWS elevation is 2420.43 feet, and an estimated 100 cubic feet per second (cfs) is flowing over the Bascule gate. Average computed reservoir inflow for the preceding 24 hours is approximately 70-80 cfs.

A Response Level 1 is the lowest of USBR’s response levels and does not indicate a risk to the downstream population. This will be final situation report for this event.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period; however, weakly elevated surface temperatures were observed in satellite views. The volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 22, 2017

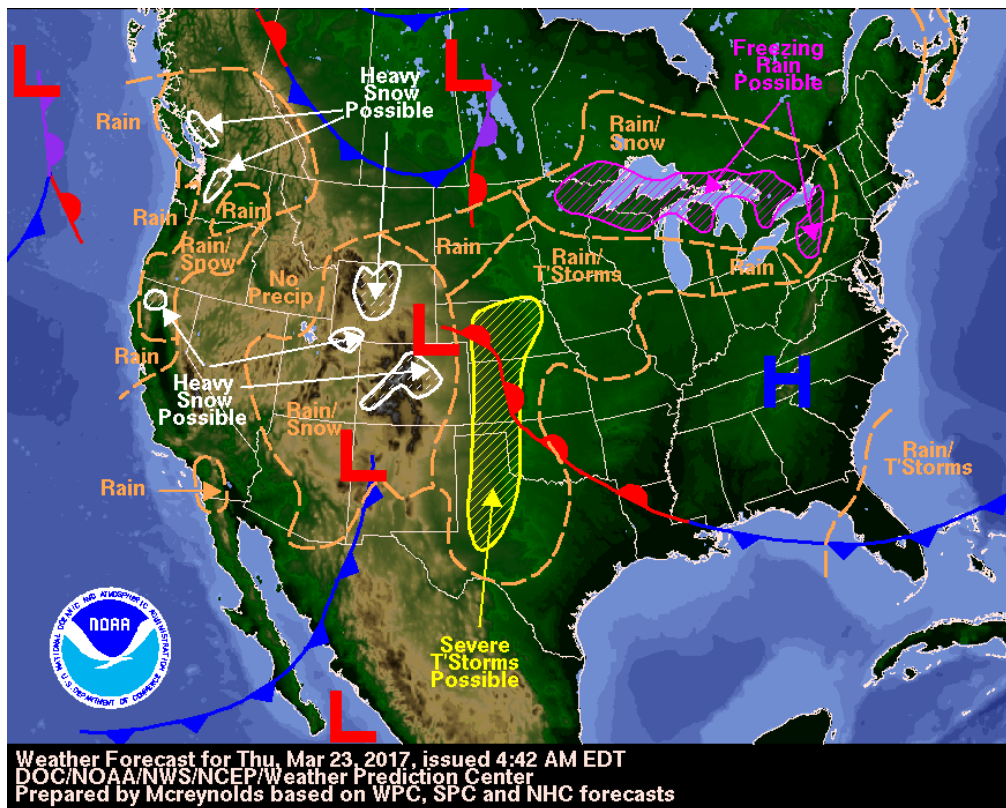
Alert Level = **WATCH**

Color Code = **ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna, and surface flows from a March 5 breakout are still active above the pali. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 59 feet below the Overlook crater rim when measured Wednesday morning.

## Significant National Weather

Source: Federal Emergency Management Agency and National Weather Service - March 23, 2017



## Today:

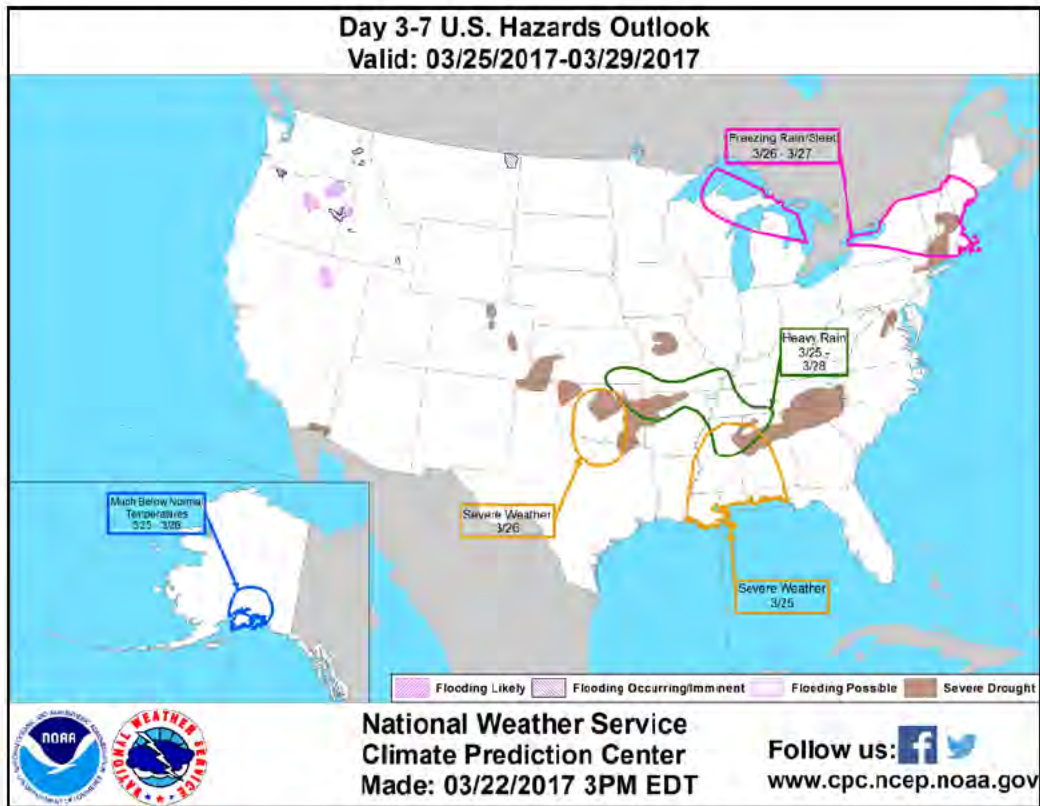
There is a Slight Risk of severe thunderstorms for portions of the central and southern Plains. Rain and thunderstorms are forecast for the Plains, the upper/middle Mississippi Valley, the

Great Lakes, and the Southeast. Freezing rain is possible from the upper Mississippi Valley to the Great Lakes. Rain and snow is expected for the Pacific Northwest, the northern Intermountain, California, the central Great Basin, the Southwest, the Rockies, the northern Plains, the upper/middle Mississippi Valley, and the Great Lakes. Heavy snow is forecast for parts of California, the northern Intermountain, and the northern/central Rockies. Areas of Extreme, Critical, and Elevated Fire Weather conditions, with isolated dry thunderstorms, are expected for portions of southern Arizona, and from New Mexico to western Nebraska.

**Tomorrow:**

A Slight Risk of severe thunderstorms is possible for portions of the central/southern Plains and the middle/lower Mississippi Valley. Freezing rain is forecast for the mid-Atlantic, the central Appalachians, and the Northeast. Heavy snow is possible for parts of the northern Intermountain, California, and the central/southern Plains. Rain and snow continues for the Pacific Northwest, California to the northern Rockies, the central Great Basin, the central Rockies, the northern/central Plains, and upper Mississippi Valley across the Northeast. Rain and thunderstorms are forecast for the Ohio and Tennessee valleys, the Southeast, and from the central/southern Plains to the Great Lakes. Critical and Elevated Fire Weather conditions are forecast for parts of New Mexico, Texas, Oklahoma, and Kansas.

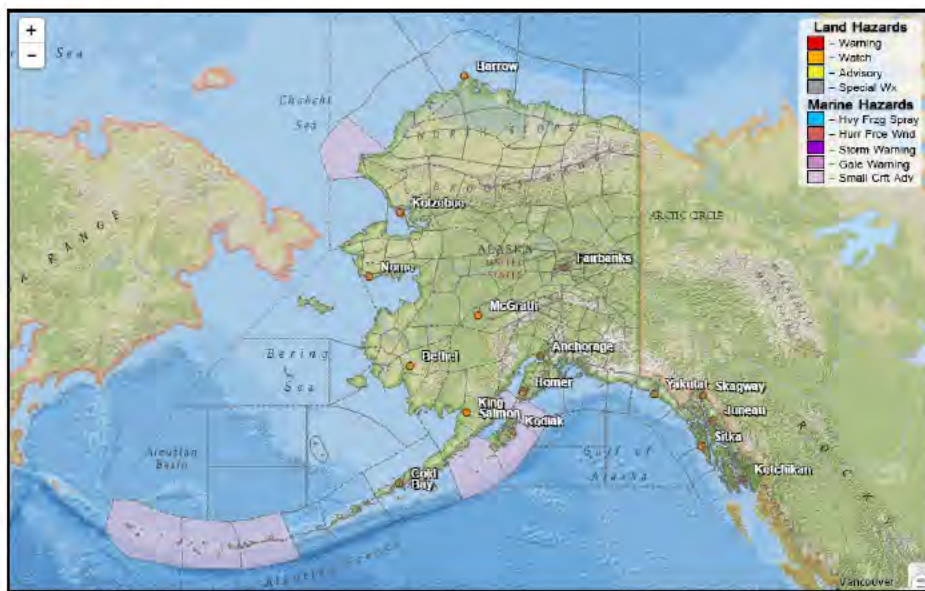
**Weather Hazard Assessment**



- March 25: Severe weather for the central Gulf Coast region.
- March 25-26: Much below-normal temperatures over south-central Alaska.

- March 25-28: Periods of locally heavy rain for parts of the southern-central Plains, the southern-central Mississippi Valley, the lower Tennessee Valley, and northern portions of the central Gulf Coast states.
- March 26: Severe weather for parts of the southern Great Plains.
- March 26-27: Freezing rain and sleet for northern portions of the Great Lakes region, and much of both New York state and New England.
- March 30: Slight chance of much above-normal temperatures from the lower Mississippi Valley eastward to the southern Atlantic Coast.
- March 30-31: Heavy rain for eastern portions of both Oklahoma and Texas, and the lower Mississippi Valley.

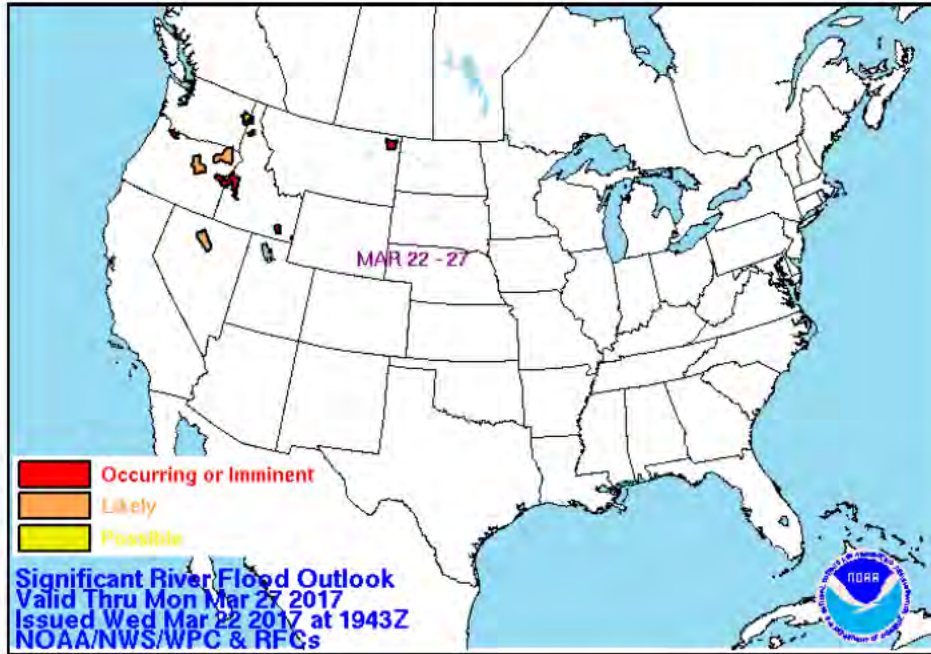
## Alaska Weather



There is a Small Craft Advisory in effect from Kiska to Attu, Adak through Adak Bering side and Pacific side, and Sitkinak through the Barren Islands east. There is a Brisk Wind Advisory in effect from Cape Thompson to Point Beaufort.

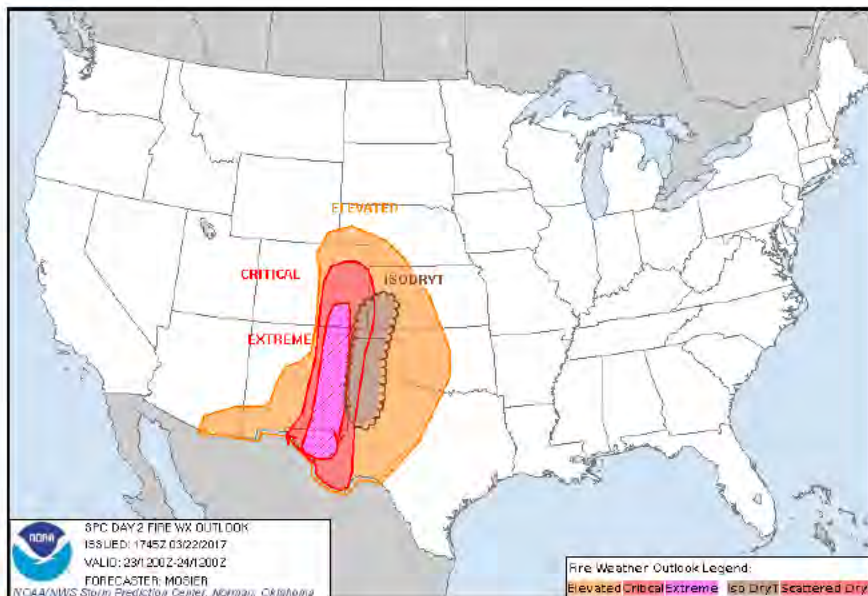


## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of Oregon, Washington, Idaho, Nevada, and northeastern Montana.

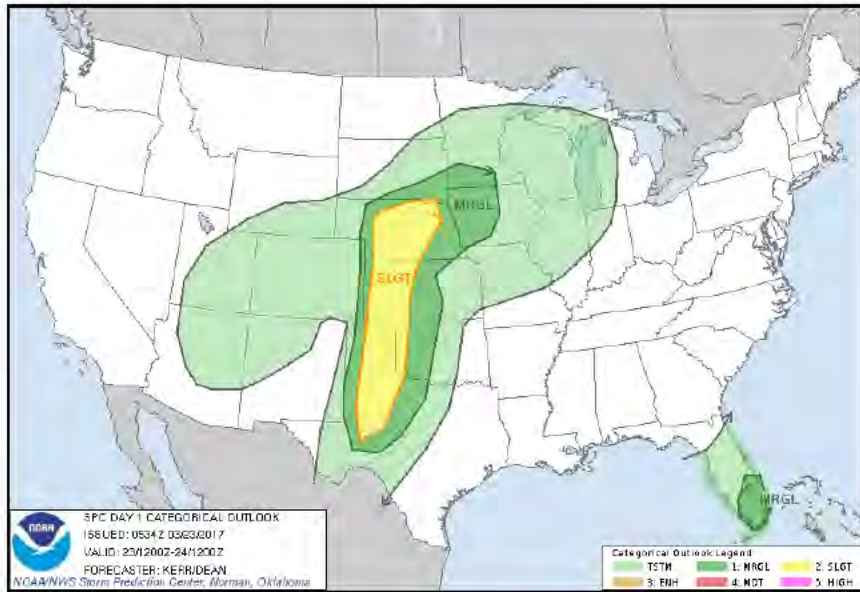
## Fire Weather



Extreme Critical Fire Weather is forecast today for portions of eastern New Mexico, the Trans-Pecos region of Texas, and southeastern Colorado. Critical Fire Weather is forecast today across portions of western Texas and the southern/central High Plains. There is Elevated Fire Weather

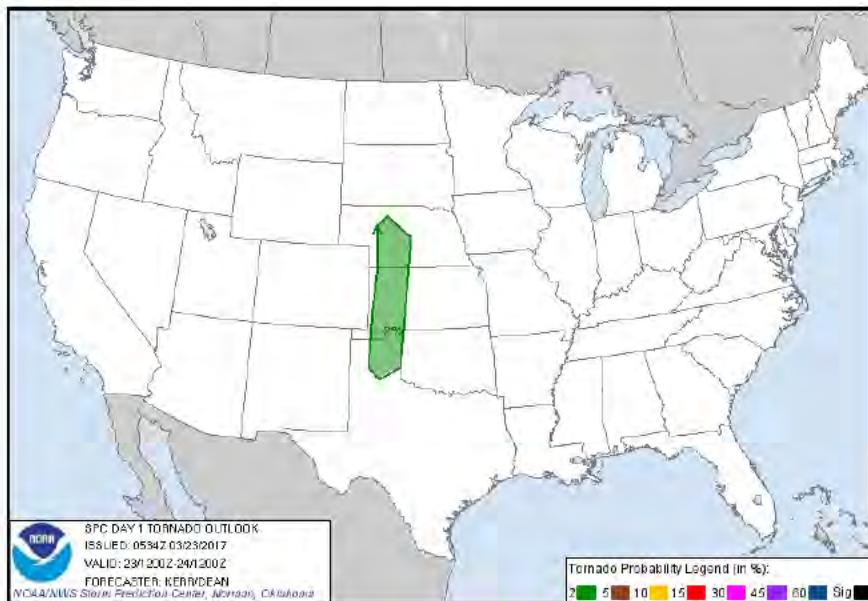
forecast for a larger area extending into southwestern Texas, Oklahoma, and Kansas. Elevated Fire Weather also expands into eastern Arizona, eastern Colorado, southwestern Nebraska, and southwestern Kansas.

### Severe Weather



There is a Slight Risk of severe thunderstorms late this afternoon and evening across portions of the central and southern High Plains. There is a Marginal Risk of severe thunderstorms across surrounding areas of the central and southern Plains and the middle Missouri Valley. Southern Florida also has a Marginal Risk of severe thunderstorms today.

### Tornado Weather



There is a 2-percent chance of tornado activity extending from northern Texas to central Nebraska today.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, March 24, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 24, 2017*

## Oklahoma Fires



IGEMS Image

## **Chupco Fire**

- Start Date: March 19
- Location: Lamar, OK (BIA)
- Burned Acres: 2,405 (no change)
- Containment: 60-percent (+20)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 11 (-15) / 11 (-15)
- Structures Threatened-Single-Mixed Residential/Commercial: 6 / 0
- Other Structures: 12
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire behavior was observed during this reporting period, and no additional perimeter growth is expected.

## **Quassarte Fire**

- Start Date: March 16
- Location: Wetumka, OK (BIA)
- Burned Acres: 2,218 (-82)
- Containment: 95-percent (+5)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 25 (+21) / 21 (+17)
- Structures Threatened-Single-Mixed Residential/Commercial: 22 / 1 (no change)
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 25

Comments: Minimal fire behavior was observed during this reporting period, and no additional perimeter growth is expected.

## **Coker Fire**

- Start Date: March 20
- Location: Hughes County, OK (BIA)
- Burned Acres: 2,365 (-1,208)
- Containment: 70-percent (+40)
- Management: Type-4 IMT
- Personnel Assigned/DOI: 10 (-5) / 10 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-3) / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 24

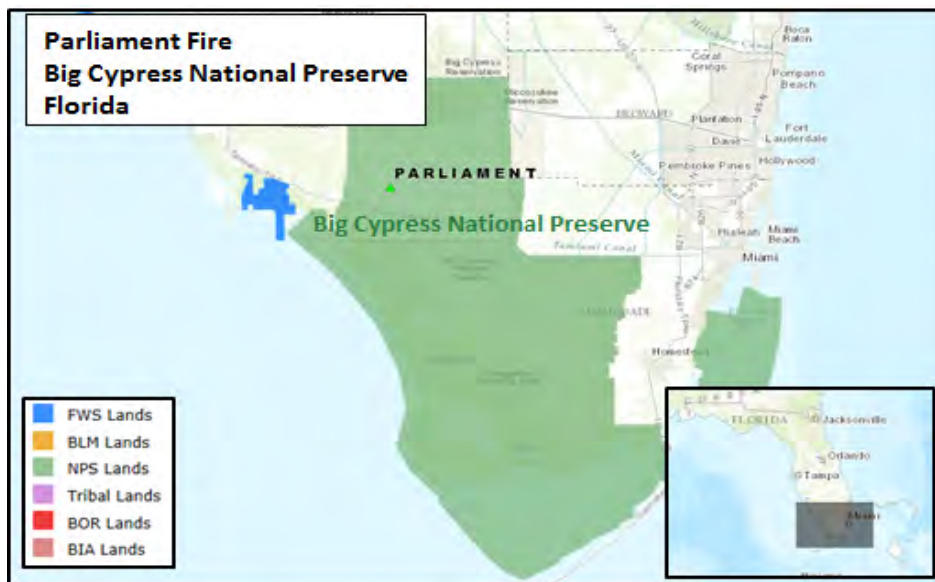
Comments: Minimal fire behavior was observed during this reporting period, and full containment is expected to occur today. Additional reporting on this fire is not expected.

## Florida Fires

### Parliament Fire

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,013 (+9,445)
- Containment: 35-percent (+15)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 110 (+30) / 38 (+33)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 (+4) / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 28

Comments: Moderate fire behavior was observed during this reporting period, and additional perimeter spread is possible during the next 72 hours. In addition to the residences, an endangered species habitat is also threatened.



IGEMS Image

### ***Successful Eradication of New World Screwworm in Florida***

*Source: U.S. Department of Agriculture (USDA) - March 23, 2017*

USDA's Animal and Plant Health Inspection Service (APHIS) is announcing the successful eradication of the New World screwworm (NWS) from Florida. APHIS considers an area to be screwworm-free through surveillance, which includes trapping flies and visually inspecting animals for signs and symptoms of NWS infestation. No new cases of NWS have been reported in Florida since January 10.

Science shows when sterile flies are released, the elimination of NWS is achieved three life cycles after the last detection. The flies have, on average, a 21-day life cycle and continue to circulate in the area for three weeks beyond each release. In the Florida Keys, APHIS will complete five life cycles beyond the last positive screwworm detection. Fly releases are scheduled to end on April 25 in the Florida Keys. Out of an abundance of caution, APHIS also released flies in the Homestead area of Florida for three completed life cycles. The last sterile fly releases in Homestead took place on March 21.

APHIS and the Florida Department of Agriculture and Consumer Services (FDACS) will continue passive surveillance to ensure any new findings are quickly identified. This surveillance includes veterinarians reporting any suspicious cases, wildlife surveillance, concerned citizens that see suspicious wounds on animals or even on a person, and continued communication with the parks and the National Key Deer Refuge.

APHIS began releasing sterile flies in October 2016, as part of aggressive eradication effort undertaken in collaboration with the U.S. Fish and Wildlife Service, FDACS, and local partners. More information about the screwworm response can be found here: <https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information/cattle-disease-information/nws>.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 23, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period; however, weakly elevated surface temperatures were observed in satellite views. The volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 23, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna and surface flows from a March 5 breakout are still active above the pali. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 82 feet below the Overlook crater rim when measured on Thursday morning.

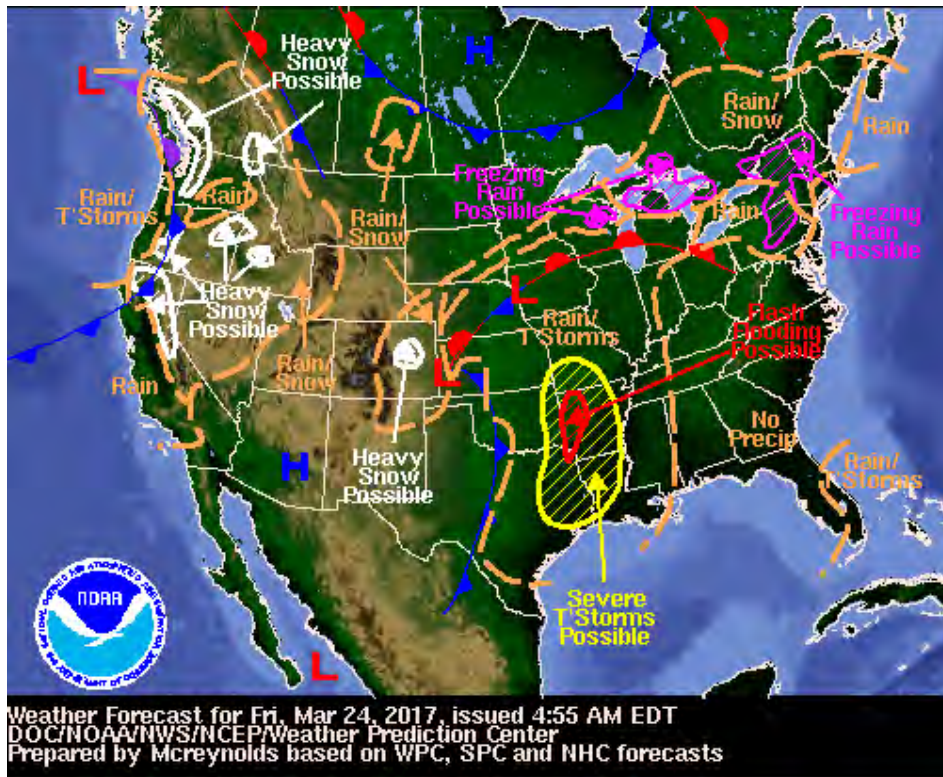
## Earthquake Activity

Source: U.S. Geological Survey - March 23, 2017

The United States Geological Survey (USGS) reported that a magnitude 4.5 earthquake occurred on March 23 at 4:27 p.m. EDT, approximately 31 miles to the south of Hilo, Hawaii at a depth of about 5.1 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages or injuries.

## Significant National Weather

Source: Federal Emergency Management Agency and National Weather Service - March 24, 2017



### **Today:**

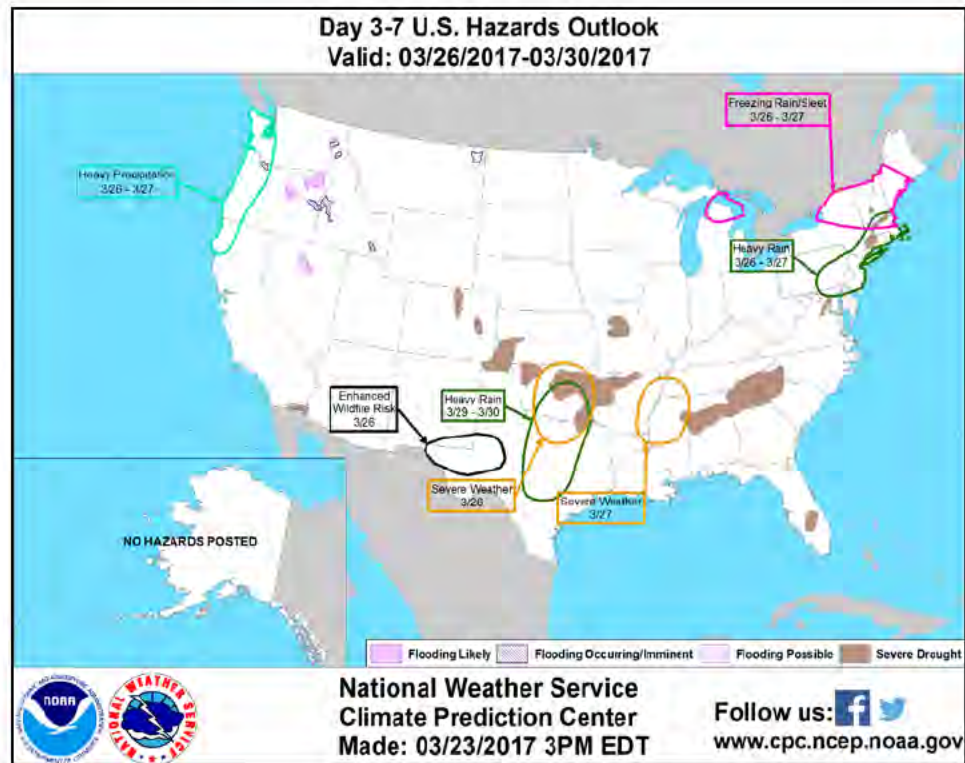
There is a Slight Risk of severe thunderstorms, with an area of possible flash flooding, forecast for today from portions of the central/southern Plains to the middle/mower Mississippi Valley. Rain and thunderstorms will continue for the Pacific Northwest, the central United States, and the Southeast. Freezing rain is expected for parts of the Great Lakes, the central Appalachians, the mid-Atlantic, and the Northeast. Rain and snow will continue in the Pacific Northwest, California, the northern Rockies, the central Great Basin, the central/southern Rockies, the northern/central Plains, the upper Mississippi Valley, and the Northeast. Heavy snow is possible for parts of the northern Intermountain, California, and the central/southern Plains.



## Tomorrow:

A Slight Risk of severe thunderstorms is possible tomorrow for portions of the lower Mississippi Valley, the Tennessee Valley, and the Southeast. Rain and thunderstorms are forecast for parts of the central and eastern United States, and freezing rain is forecast from the Great Lakes to the Northeast. Rain and snow will continue in the western United States and from the Great Lakes to the Northeast. Elevated Fire Weather conditions are expected from portions of Southwest to the southern Plains.

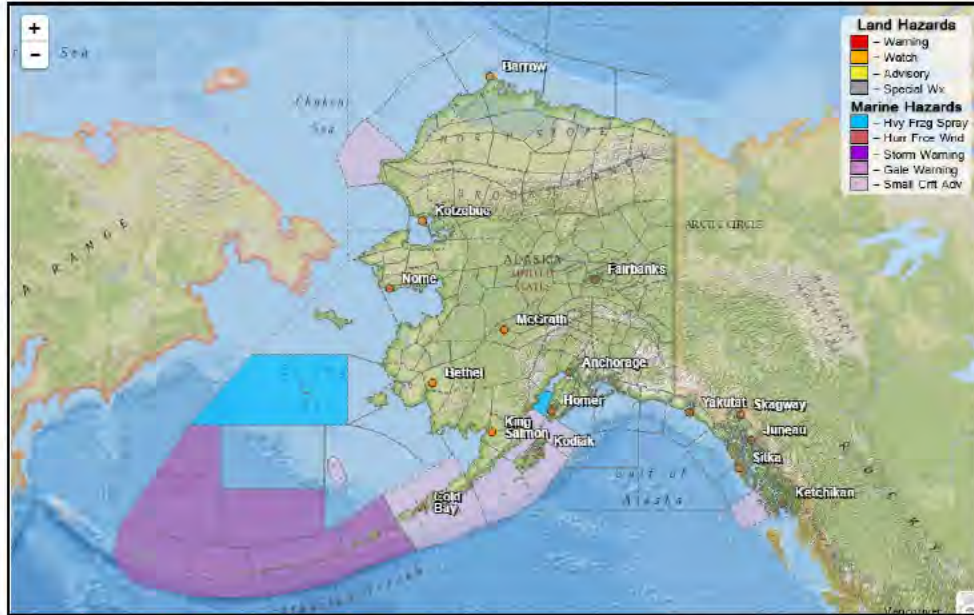
## Weather Hazard Assessment



- March 24: Flooding is possible, likely, or imminent over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, and extreme northeastern Montana.
- March 24: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- March 26: Severe weather for parts of the southern Plains.
- March 26: Enhanced risk of critical wildfire conditions for parts of the far southern High Plains region.
- March 26-27: Freezing rain/sleet for northern portions of lower Michigan, northern New York, and much of New England.
- March 26-27: Periods of locally heavy rain for the I-95 corridor from the Washington D.C. area to southern New Hampshire.
- March 26-27: Heavy precipitation (rain and mountain snow) for the Pacific Northwest and far northwestern California.

- March 27: Severe weather for parts of the lower Mississippi Valley and the lower Tennessee Valley.
- March 29-30: Periods of locally heavy rain for parts of the southern Plains.
- March 31-Apr 1: Slight chance of much above-normal temperatures from the lower Mississippi Valley eastward to the southern Atlantic Coast.
- April 1-2: Heavy rain for eastern portions Oklahoma and Texas and the lower Mississippi Valley.

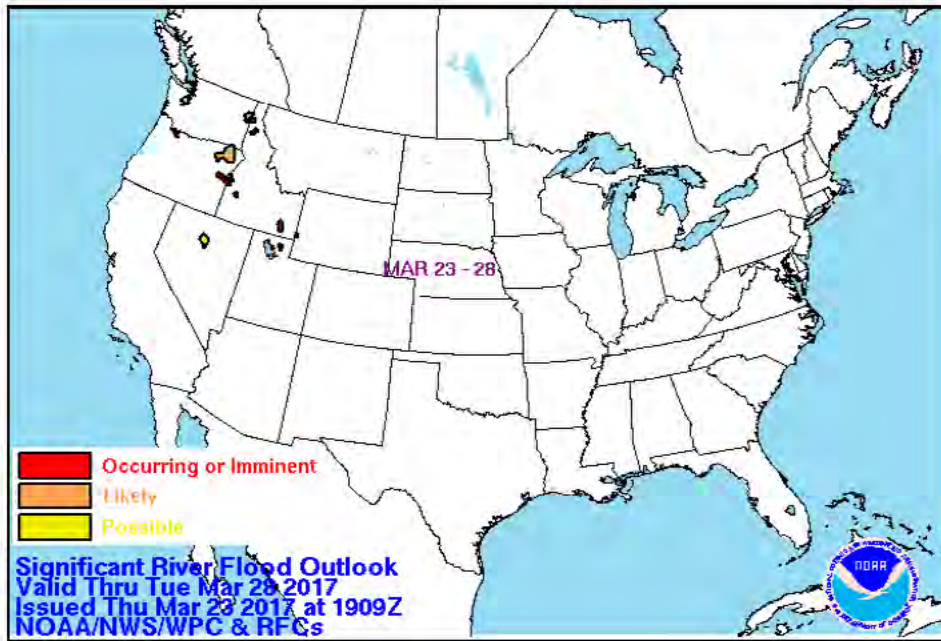
## Alaska Weather



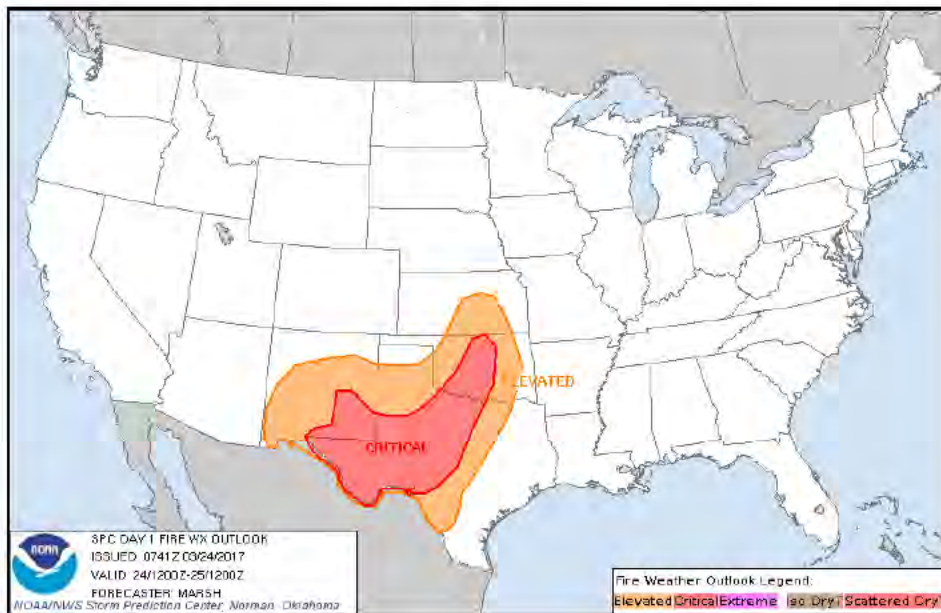
There is a Small Craft Advisory in effect in the eastern Aleutians, the western Gulf of Alaska, the Pribilof Islands, and from Dixon Entrance to Cape Decision. There is a Gale Warning in effect along the western and central Aleutians and the southern Bering Sea. There is a Heavy Freezing Spray Warning in effect around St. Matthew Island and in the central Cook Inlet. There is a Brisk Wind Advisory in effect from Cape Thompson to Point Barrow.

## Significant River Flooding

Significant River Flooding is occurring or likely today in portions of northwestern and northeastern Oregon, northeastern Washington, Idaho, southwestern Wyoming, and north-central Utah. Significant River Flooding is possible in north-central Nevada.



### Fire Weather

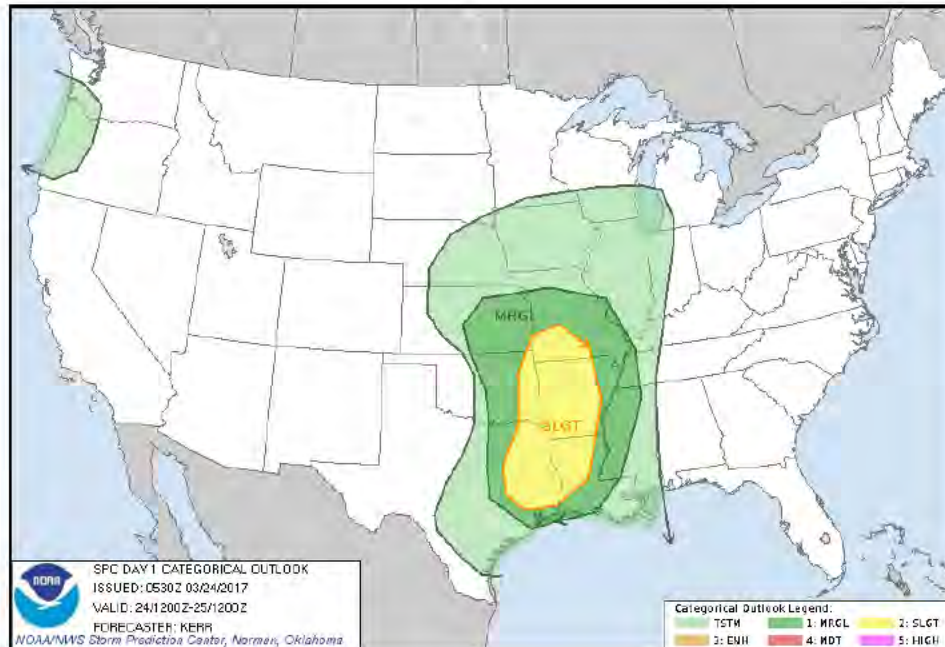


Critical Fire Weather is forecast today across portions of southeastern New Mexico, western and northern Texas, and central Oklahoma. There is Elevated Fire Weather forecast for a larger area extending into southern Texas, western New Mexico, central Oklahoma, and central Kansas.

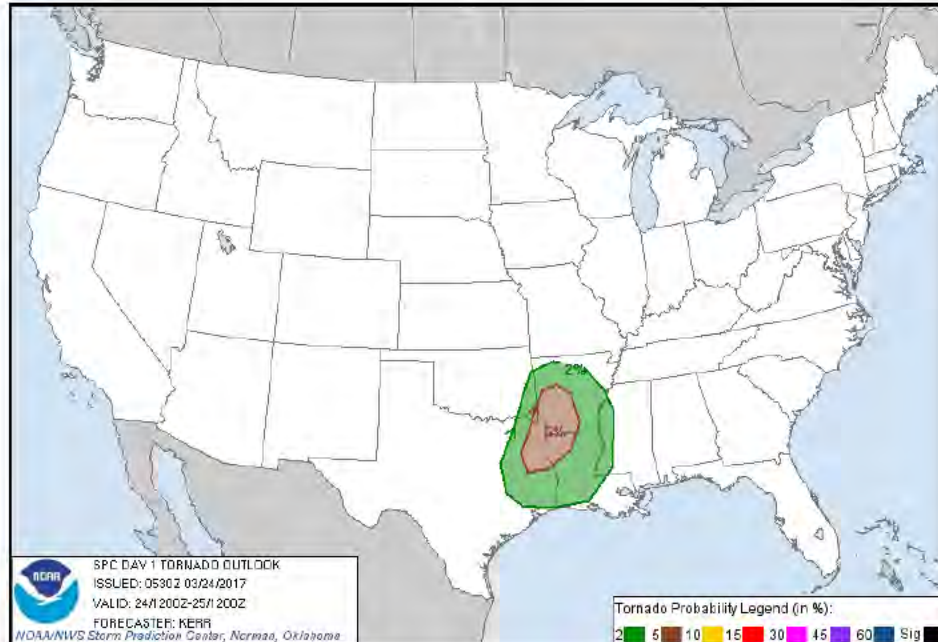
### Severe Weather

There is a Slight Risk of severe thunderstorm activity today from portions of the southeastern Plains into the Ozark Plateau and lower Mississippi Valley. There is a Marginal Risk of severe

thunderstorms across surrounding areas of the central and southern Plains and the Mississippi Valley.



## Tornado Weather

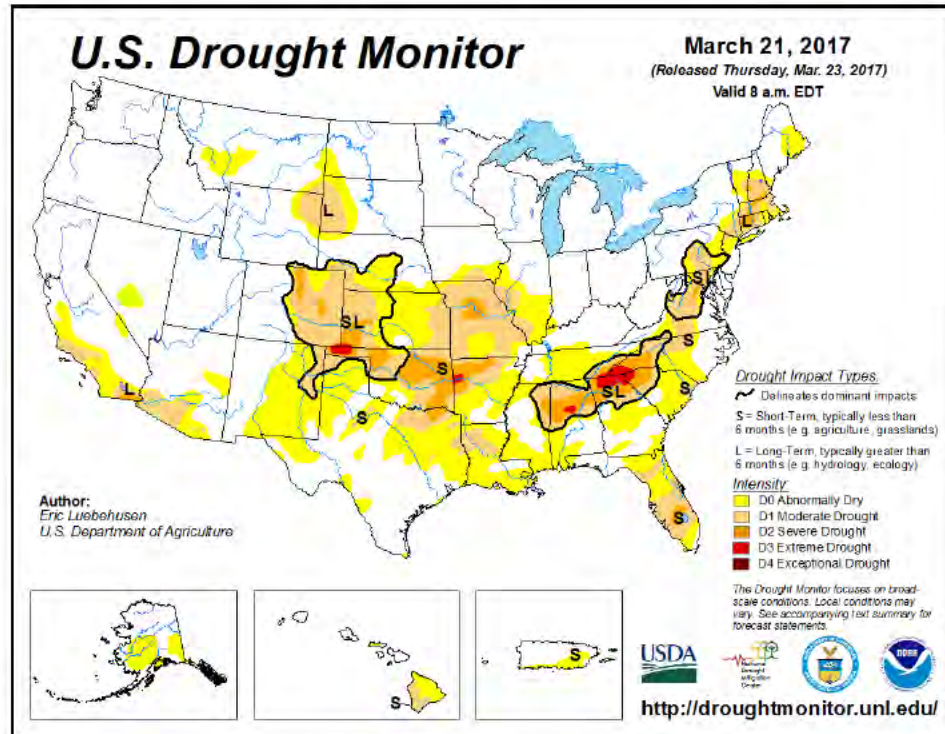


There is a 5-percent chance of tornado activity in northeastern Texas, northwestern Louisiana, and southwestern Arkansas today. There is a 2-percent chance of tornado activity across northeastern Texas into Louisiana, Arkansas, southeastern Oklahoma, and portions of western Mississippi.

## Other News and Notes

### **U.S. Drought Monitor**

*Source: United States Drought Monitor - March 24, 2017*



A late-winter cold weather pattern over the eastern half of the nation, contrasted with warmer-than-normal conditions from the Plains to the Pacific Coast, is resulting in lingering cold weather in the Northwest. The eastern cold spell was accompanied by mixed precipitation across the mid-Atlantic and Northeast, resulting in widespread drought reductions. Much of the southern United States experienced drier-than-normal weather which, coupled with recent dryness, led to a widespread expansion of drought. Drought conditions across the western United States remained unchanged.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries

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EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, March 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 27, 2017*

The Incident Status Summary (ICS-209) for the **Quassarte Fire** in Oklahoma has not been updated since March 25, and full containment of this fire was projected to occur on March 25. No additional reporting on this fire is anticipated.

## Oklahoma Fires

### **Chupco Fire**

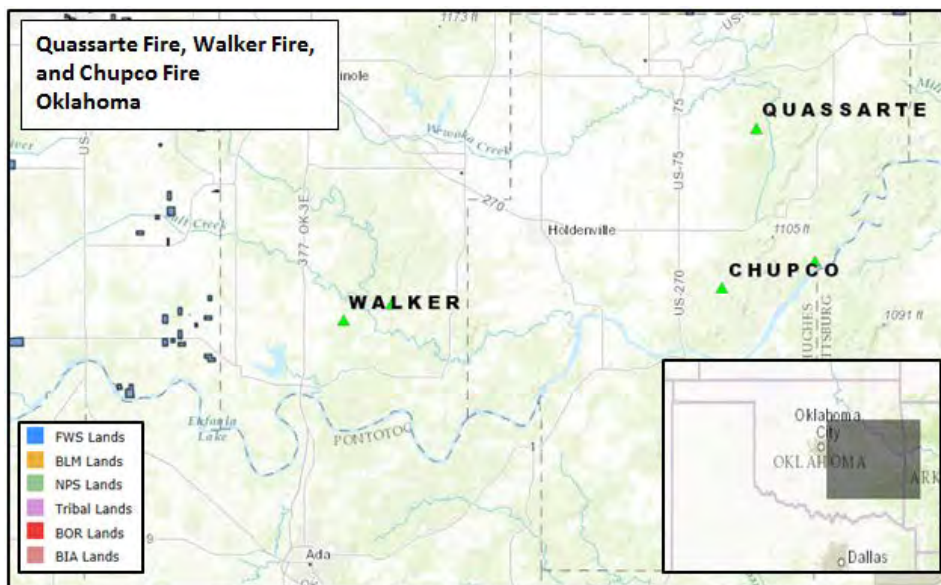
- Start Date: March 19
- Location: Lamar, OK (BIA)
- Burned Acres: 2,405 (no change)
- Containment: 60-percent (+20)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 7 (-4) / 7 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 6 / 0
- Other Structures: 12
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 27

Comments: Minimal fire behavior was observed during this reporting period, and no additional perimeter growth is expected.

### Walker Fire (Initial Report)

- Start Date: March 22
- Location: Seminole County, OK (BIA)
- Burned Acres: 1,533
- Containment: 60-percent
- Management: Type-3 IMT
- Personnel Assigned/DOI: 17 / 17
- Structures Threatened-Single-Mixed Residential/Commercial: 5 / 0
- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 27

Comments: Minimal fire behavior was observed during this reporting period, and full containment is expected to occur today.



IGEMS Image

### Florida Fires

#### Parliament Fire

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,371 (+5,358)
- Containment: 60-percent (+25)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 104 (-6) / 32 (-3)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0



- Evacuations/Sheltered in place: 0 / 0
- Injuries/Fatalities: 0 / 0
- Containment Date: March 29

Comments: Moderate fire behavior was observed during this reporting period, with decreasing fire activity anticipated. In addition to the residences, an endangered species habitat is also threatened. Planned operations over the next 24 hours are to scout potential containment and contingency lines and begin mop-up operations



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – March 24, 2017

### National Preparedness Level 1

#### National Fire Activity (March 17 - March 23)

Initial attack activity:	Light (1,038 new fires)
New large fires:	83
Large fires contained:	61
Uncontained large fires: **	25
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	0
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Spokane River Flooding, Spokane, WA

Source: U.S. Geological Survey (USGS)- March 24, 2017

On March 22, the Spokane River in eastern Washington crested at a gage height of 28.73 feet, which is 1.73 feet above the flood gage. Other rivers in the area have also crested in the previous days at slightly below flood stage as the spring snow-melt begins. The peak flow on the Spokane River was approximately the highest it has been in the last 20 years. On Friday, USGS crews made a series of discharge measurements on the Spokane River, near the crest, and the results are currently being evaluated. There have been no reports of significant damages or evacuations as a result of this flooding.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period, and satellite views of the volcano have been obscured by clouds. The volcano remains at a heightened state of unrest and in an unpredictable condition. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data during this reporting period. Clouds obscured views of the volcano by satellite, and the web camera is temporarily down. It is possible that short-lived, low-level explosive activity will occur with little or no warning.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 26, 2017*

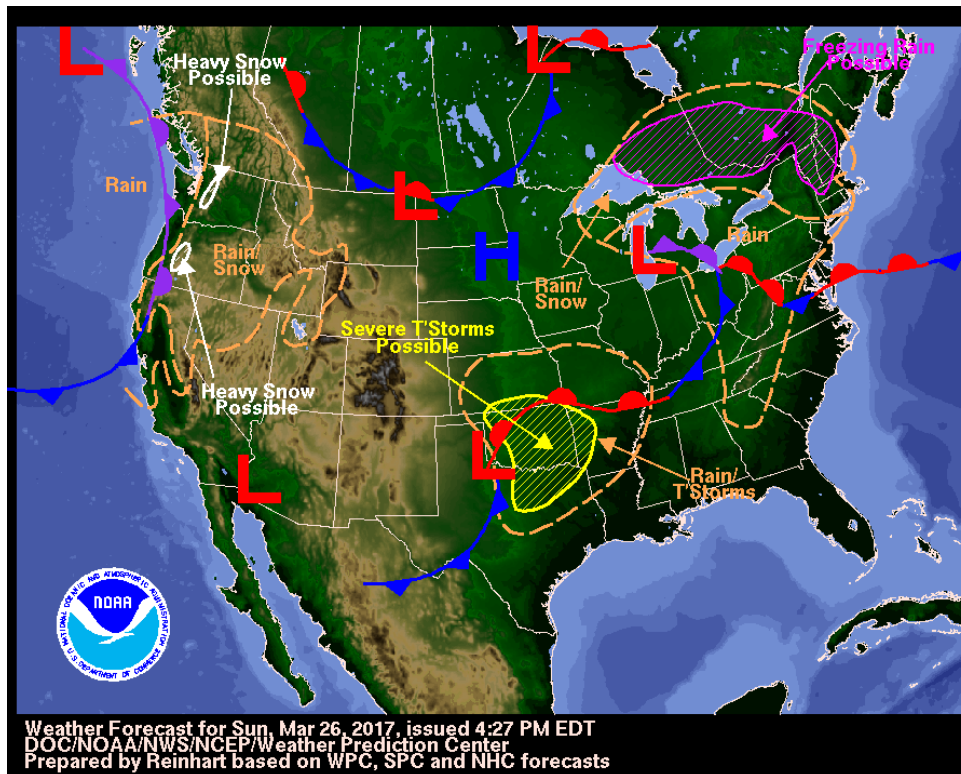
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and at the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna, where a mall lava delta has begun to form, and surface flows from a March 5 breakout are still active above the pali. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 62 feet below the Overlook crater rim when measured on Saturday afternoon.

## Significant National Weather

Source: Federal Emergency Management Agency and National Weather Service - March 27, 2017



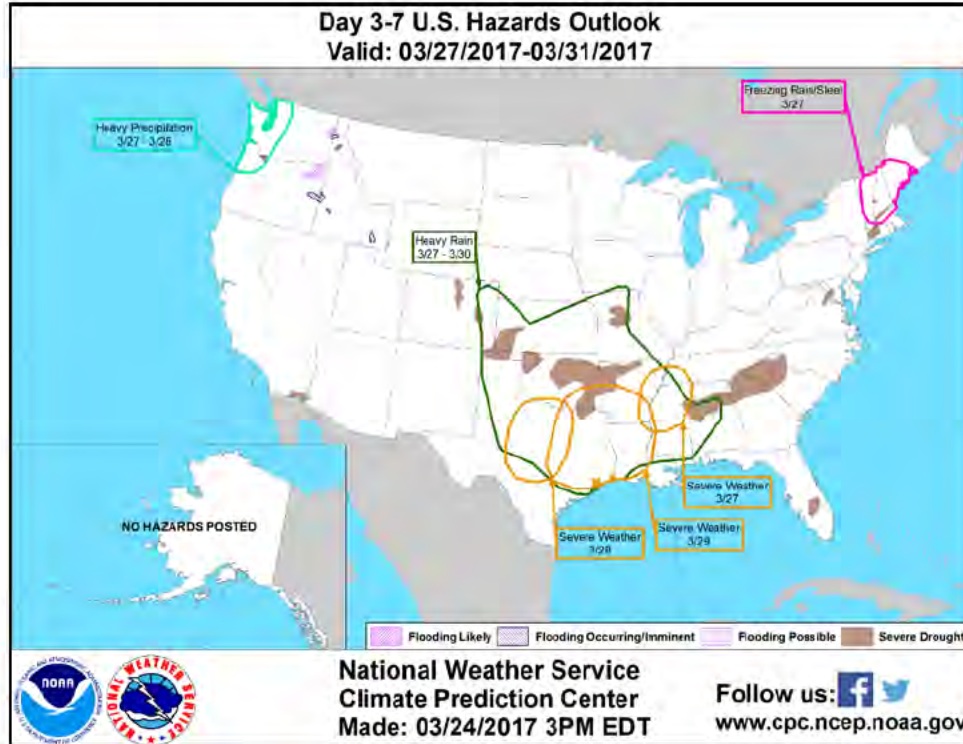
### **Today:**

Showers and thunderstorms will develop along and ahead of a cold front over the middle/lower Mississippi Valley and parts of the southern Plains. This will move to the mid-Atlantic/southeast and head westward across the Gulf Coast. In addition, rain will develop over parts of the northeast to the central/southern Appalachians that will move off most of the northeast Coast overnight Monday. Rain, freezing rain, and snow will develop over parts of the northeast through late Monday night.

### **Tomorrow:**

Rain will return to the northeast on Tuesday morning into Tuesday evening as a wave of low pressure moves into the mid-Atlantic. An upper-level trough over the West Coast will form an upper-level low over the central/southern Rockies on Tuesday into Tuesday evening. Rain and higher elevation snow will develop over the Pacific Northwest, northern/central California, and into parts of the Great Basin/northern Rockies. This will move into the central/southern Rockies and parts of the northern/central High Plains by Tuesday morning. As the system moves into the southern High Plains, showers and thunderstorms will develop and will expand into parts of the central/southern Plains by Tuesday evening. Rain and higher elevation snow will continue over parts of the northern/central High Plains and the central/southern Rockies on Tuesday into Tuesday night.

## Weather Hazard Assessment



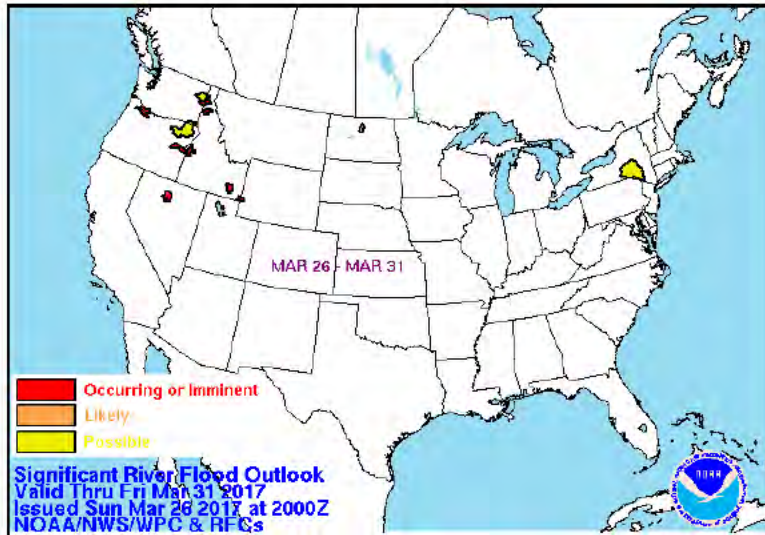
- March 27: Flooding is possible, likely, or imminent over parts of the Pacific Northwest, the northern and central Intermountain region, and the northern Rockies.
- March 27: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- March 27: Severe Weather for parts of the lower Mississippi Valley and lower Tennessee Valley.
- March 27: Mixed precipitation for much of New England.
- March 27-28: Heavy precipitation for the Pacific Northwest.
- March 27-30: Periods of locally heavy rain for central and southern portions of both the Great Plains and Mississippi Valley, extending eastward into Alabama.
- March 28: Severe Weather for west-central Texas and nearby parts of extreme southern Oklahoma.
- March 29: Severe Weather for eastern portions of the southern Plains, and the lower Mississippi Valley.
- April 1: Slight chance of much above-normal temperatures from the lower Mississippi Valley eastward to the southern Atlantic Coast.
- April 1-2: Heavy rain for eastern portions of both Oklahoma and Texas, and the lower Mississippi Valley.

## Alaska Weather



There is a Small Craft Advisory along the Aleutian Islands from Attu through Seguam, along the Bering Sea side from Seagum to Point Heiden, from Castle Cape through Shuyak Island, and in the Gulf of Alaska from Cape Cleare to Cape Decision. There is a Gale Warning along the central Aleutian Islands from Seguam through Castle Cape and from Dixon Entrance to Cape Decision. There is a Heavy Freezing Spray Warning for areas around St. Matthew Island and the Pribilof Islands.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of Oregon, northeastern Washington, Idaho, southwestern Wyoming, north-central Nevada, north-central Utah, and north-central North Dakota. Flooding is also possible in northeast Pennsylvania and portions of New York.

## Fire Weather



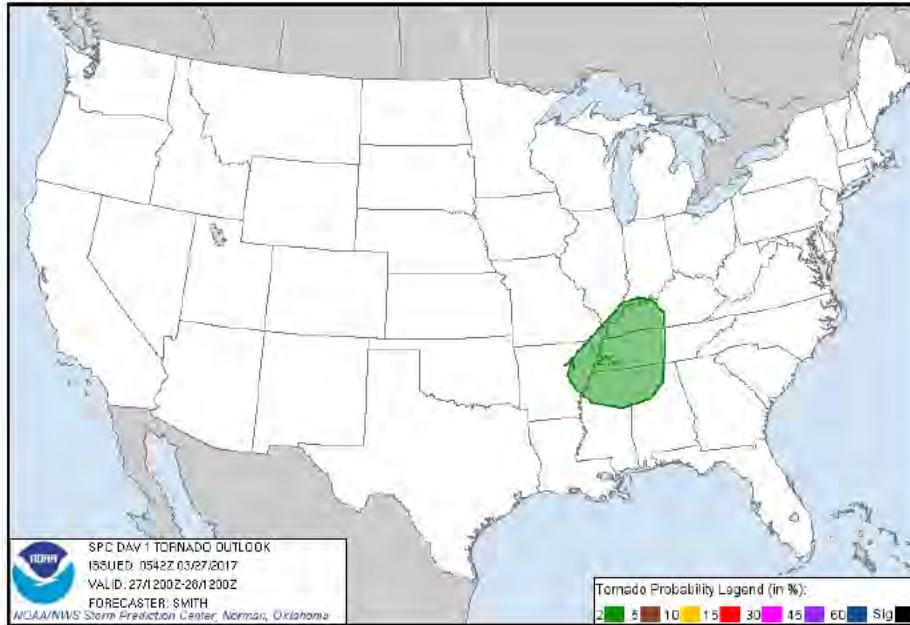
There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for southeastern Arizona, southern New Mexico, and southwestern Texas.

## Severe Weather



There is an Enhanced Risk of severe thunderstorms from western Kentucky to northern Mississippi. There is a Slight Risk of severe thunderstorms from central Kentucky to central Mississippi. There is a Marginal Risk of severe thunderstorms from the Ohio Valley to the lower Mississippi Valley.

## Tornado Weather



There is a 2-percent chance of tornado activity across northern Mississippi and Alabama, eastern Arkansas, western Tennessee and Kentucky, and southern portions of Illinois and Indiana.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, March 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

Source: Fire and Aviation Management Website - March 28, 2017

### Oklahoma Fires

#### **Chupco Fire**

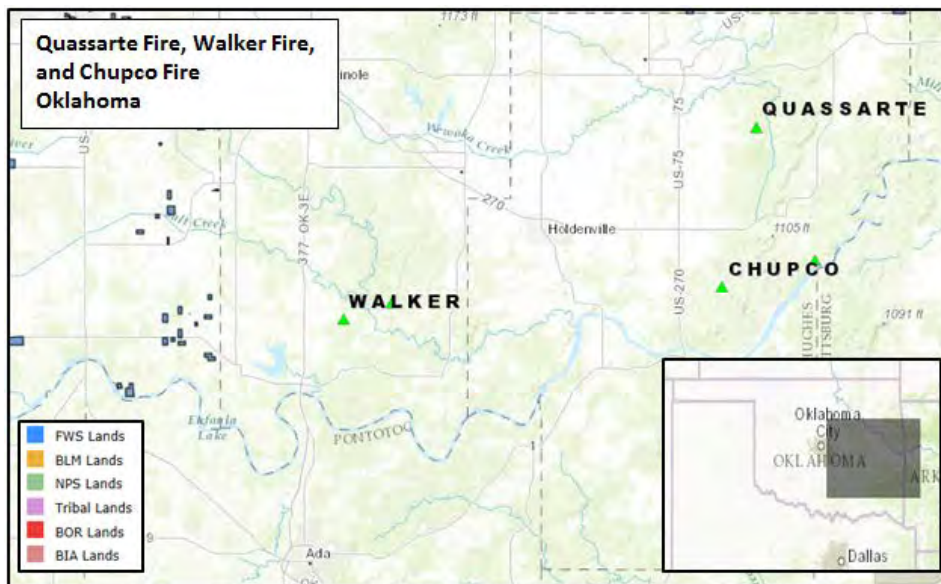
- Start Date: March 19
- Location: Lamar, OK (BIA)
- Burned Acres: 3,756 (+1,351)
- Containment: 80-percent (+20)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 14 (+7) / 14 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 6 / 0 (no change)
- Other Structures: 12 (no change)
- Evacuations/Sheltered in place: 0 / 0 (no change)
- Injuries/Fatalities: 0 / 0 (no change)
- Containment Date: March 27

Comments: Minimal fire behavior was observed during this reporting period, and no additional perimeter growth is expected. Full containment was expected to occur yesterday, and no new date has been reported.

## Walker Fire

- Start Date: March 22
- Location: Seminole County, OK (BIA)
- Burned Acres: 1,533 (no change)
- Containment: 60-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 17 / 17 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 5 / 0 (no change)
- Evacuations/Sheltered in place: 0 / 0 (no change)
- Injuries/Fatalities: 0 / 0 (no change)
- Containment Date: March 27

Comments: Minimal fire behavior was observed during this reporting period. Full containment was expected to occur yesterday; however, no new date has been reported.



IGEMS Image

## Florida Fires

### Parliament Fire

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,471 (+100)
- Containment: 75-percent (+15)
- Management: Type-3 IMT
- Personnel Assigned/DOI: 104 (no change) / 36 (+4)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0 (no change)
- Evacuations/Sheltered in place: 0 / 0 (no change)
- Injuries/Fatalities: 0 / 0 (no change)
- Containment Date: March 29

Comments: Moderate fire behavior was observed during this reporting period, with decreasing fire activity anticipated. In addition to the residences, an endangered species habitat is also threatened. Planned operations over the next 24 hours are to scout potential containment and contingency lines and begin mop-up operations.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 27, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. Although the AVO is able to detect energetic explosive activity in real-time, there is typically a lag of tens of minutes until the AVO can characterize the magnitude of the event and the altitude of the volcanic cloud.

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 27, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic or infrasound data over the past 24 hours. Clouds have obscured views of the volcano by satellite, and the web camera is

temporarily down. It is possible that short-lived, low-level explosive activity will occur with little or no warning. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 27, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna, where a small lava delta has begun to form. Surface flows from a March 5 breakout are still active above the pali. These lava flows pose no threat to nearby communities at this time. The summit lava lake was estimated to be 112 feet below the Overlook crater rim when measured during this reporting period.

### **Earthquake Activity**

Source: U.S. Geological Survey (USGS) – March 27, 2017

The USGS reported that a magnitude 6.1 earthquake occurred March 27, at 6:50 a.m. EDT, approximately 41 miles to the north of Attu Station, Alaska at a depth of 6 miles. The USGS issued a Green PAGER Alert, indicating there is low likelihood of casualties or damage as a result of the earthquake.

### **Significant National Weather**

Source: Federal Emergency Management Agency and National Weather Service - March 28, 2017

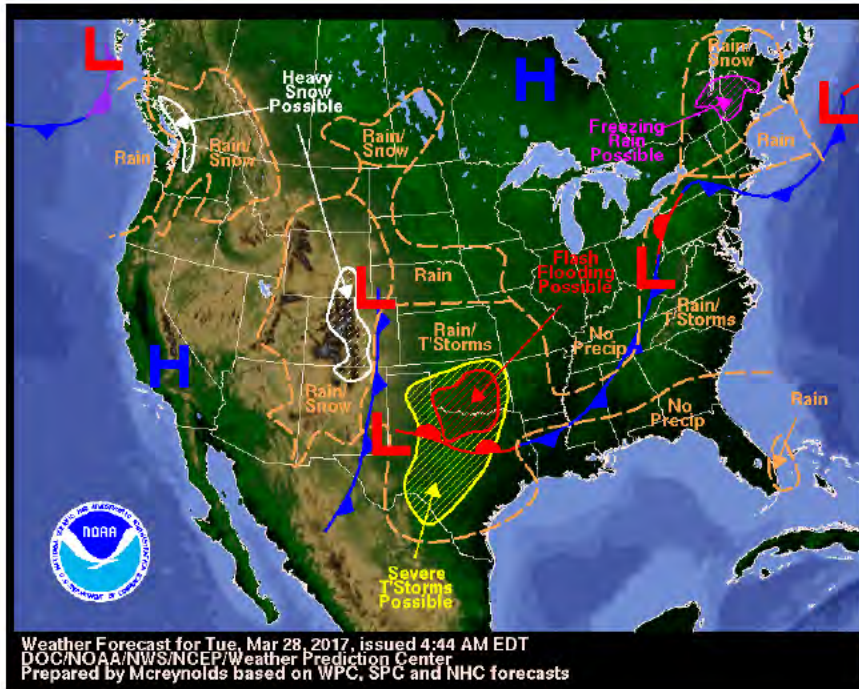
#### **Today:**

A stormy weather pattern is expected across much of the central and southern Plains going into the middle of the work week. With a closed upper level low tracking eastward from the southern Rockies to the central Plains and an occluded surface low, expect shower and thunderstorm coverage to significantly increase across Texas, Oklahoma, and Kansas. Severe weather and heavy rainfall are likely with some of the thunderstorms that develop, and flash flooding will be possible where storms repeatedly form over the same areas.

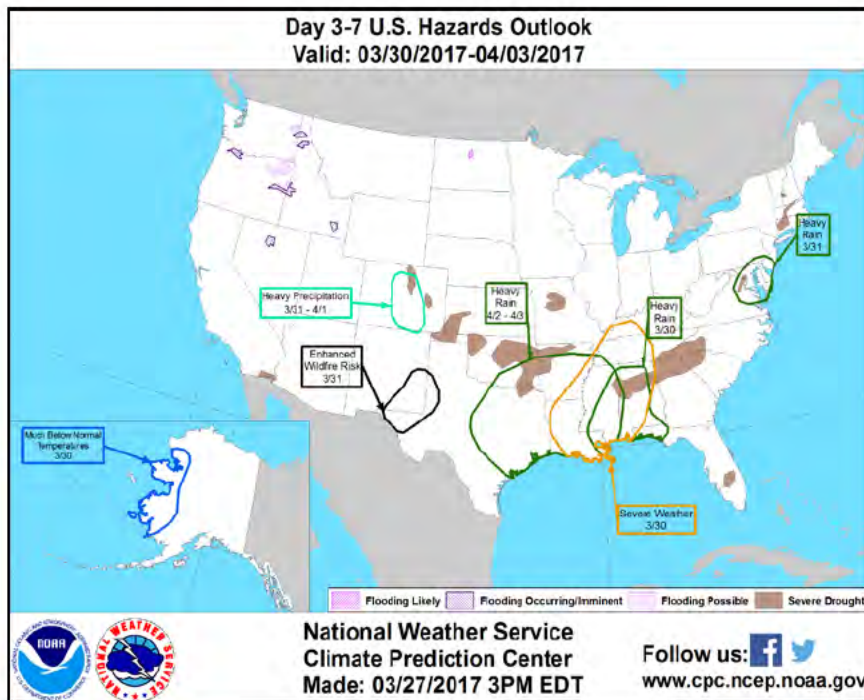
#### **Tomorrow:**

Temperatures are expected to be above seasonal averages across much of the central and eastern U.S. ahead of the low pressure system over the Plains. Higher than normal humidity is expected from Texas to the deep South, and some overnight lows near the Gulf Coast may remain at or above 70 degrees. Cooler than average temperatures are expected near the upper low across the Four-Corners region, with significant snowfall likely for the higher elevations of Utah, Colorado,

and Wyoming. Colder than normal temperatures are expected for much of New England, which should remain north of a frontal boundary.



### Weather Hazard Assessment



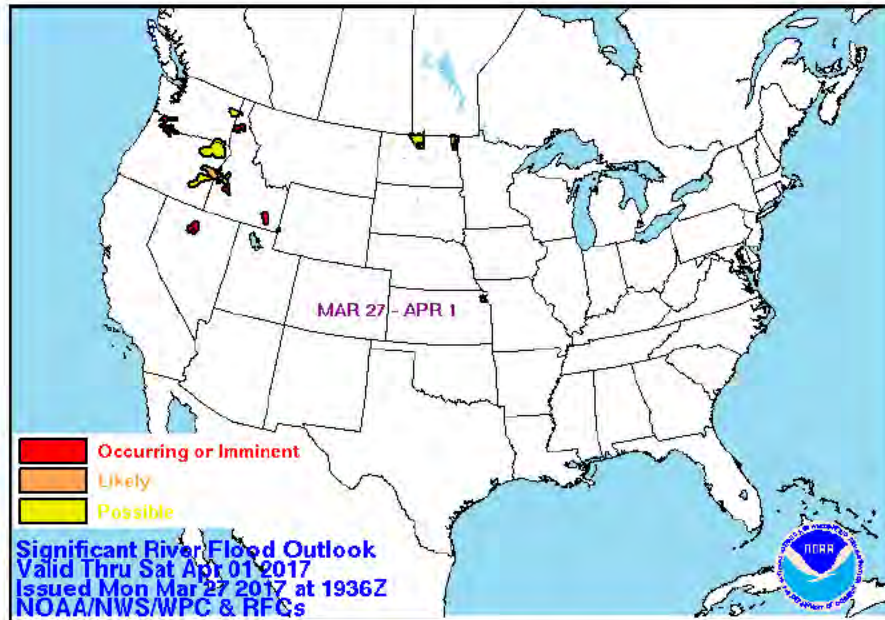
- March 28: Flooding is possible, likely, or imminent/occurring over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, and the northern Plains.
- March 30: Severe weather for parts of the lower Mississippi and Tennessee valleys.
- March 30: Heavy rain for parts of the deep South.
- March 30: Much below-normal temperatures for western Alaska.
- March 31: Heavy rain for parts of the mid-Atlantic.
- March 31: Enhanced wildfire risk for parts of western Texas and southeastern New Mexico.
- March 31-April 1: Heavy rain and snow for parts of eastern and central Colorado.
- April 2-3: Heavy rain for parts of the southern Plains and lower Mississippi Valley.

## Alaska Weather



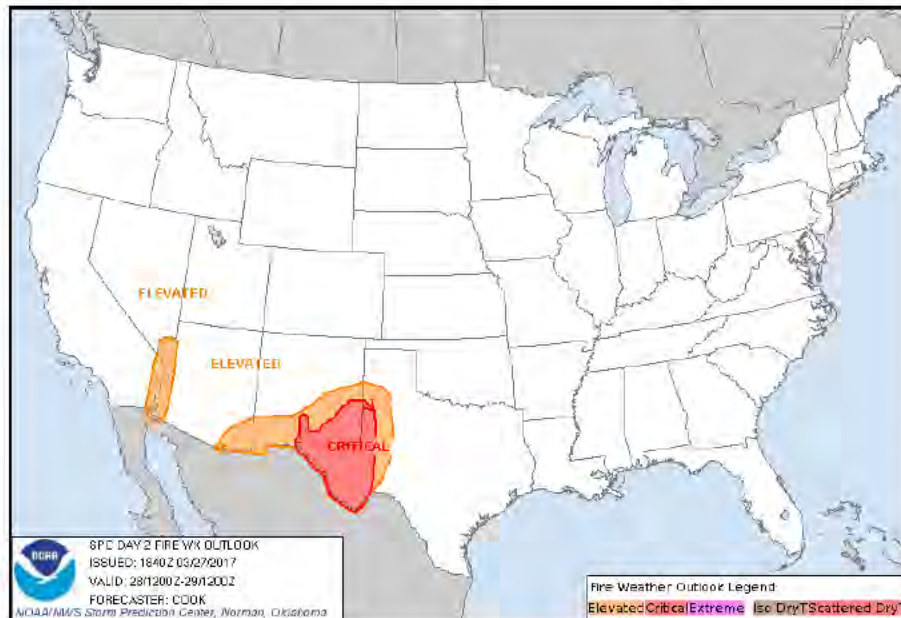
There is a Small Craft Advisory along the Aleutian Islands from Attu through Seguam, along the Bering Sea side from Seguam to Point Heiden, from Castle Cape through Shuyak Island, and in the Gulf of Alaska from Cape Clear to Dixon Entrance. There is a Gale Warning along the central Aleutian Islands from Seguam to Castle Cape. A Winter Weather Advisory exists for the southern Brooks Range, the upper Koyukuk Valley, and the Yukon Flats and surrounding Uplands. There is a Heavy Freezing Spray Warning for areas around St. Matthew Island and the Pribilof Islands. There is a Brisk Wind Advisory from Flaxman Island to Demarcation Point.

## Significant River Flooding



Significant River Flooding is occurring, likely, or possible today over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, and the northern Plains.

## Fire Weather



Critical Fire Weather is forecast today across portions of southern New Mexico and western Texas. Elevated Fire Weather is forecast today for southeastern Arizona, southern New Mexico,

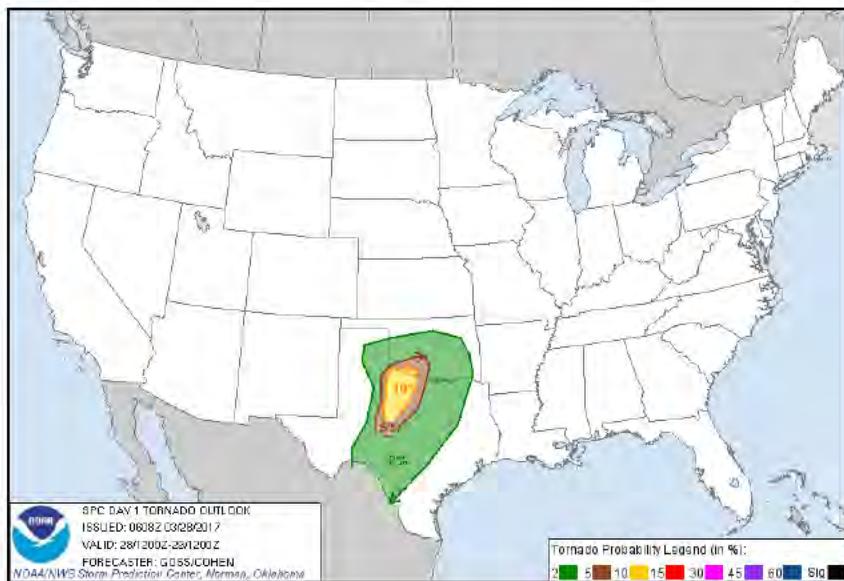
and western Texas. Elevated Fire Weather is also forecast today along the Nevada, California, and Arizona border.

### Severe Weather



There is an Enhanced Risk of severe thunderstorms today over parts of north-central Texas and southwestern Oklahoma. There is a Slight Risk of severe thunderstorms across west-central and north-central Texas into much of Oklahoma. There is a Marginal Risk of severe thunderstorms over the majority of Texas, Oklahoma, and the mid-Atlantic region.

### Tornado Weather



There is a 10-percent chance of tornado activity across parts of north-central Texas and southwestern Oklahoma. There is a 5-percent chance of tornado activity across parts of north-



central Texas and southwestern Oklahoma. There is a 2-percent chance of tornado activity over much of Texas and Oklahoma.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, March 29, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 29, 2017*

## Florida Fires

### **Parliament Fire**

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,471 (no change)
- Containment: 90-percent (+15)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 97 (-7) / 36 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 11

Comments: Moderate fire behavior was observed during this reporting period, with decreasing fire activity anticipated. In addition to the residences, an endangered species habitat is also threatened. Planned operations over the next 24 hours are to scout potential containment and contingency lines and begin mop-up operations.



IGEMS Image

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic or infrasound data throughout the observation period. Clouds have obscured satellite views of the volcano. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. Although the AVO is able to detect energetic explosive activity in real-time, there is typically a lag of tens of minutes until the AVO can characterize the magnitude of the event and the altitude of the volcanic cloud. It is possible for low-level unrest, including explosive activity, to occur that the AVO is unable to detect with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic or infrasound data. Slightly elevated surface temperatures were observed in a satellite image Monday night, indicating continued low-level unrest. It is possible that short-lived, low-level explosive activity will occur

with little or no warning. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 28, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a lava delta has begun to reform. Surface flows from a March 5 breakout are still active within 1.6 miles of the vent on Pu‘u ‘Ō‘ō. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 108 feet below the Overlook crater rim when measured Tuesday morning.

### **Earthquake Activity**

Source: U.S. Geological Survey (USGS) – March 29, 2017

The USGS reported that a magnitude 6.6 earthquake occurred on March 29 approximately 216 miles to the south-southwest of Il'pyskiy, Russia at a depth of 13.7 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties, however, there is a Yellow PAGER Alert indicating the potential for economic losses. There was no tsunami threat as a result of the earthquake.

### **Significant National Weather**

Source: National Weather Service and National Oceanic and Atmospheric Administration - March 29, 2017

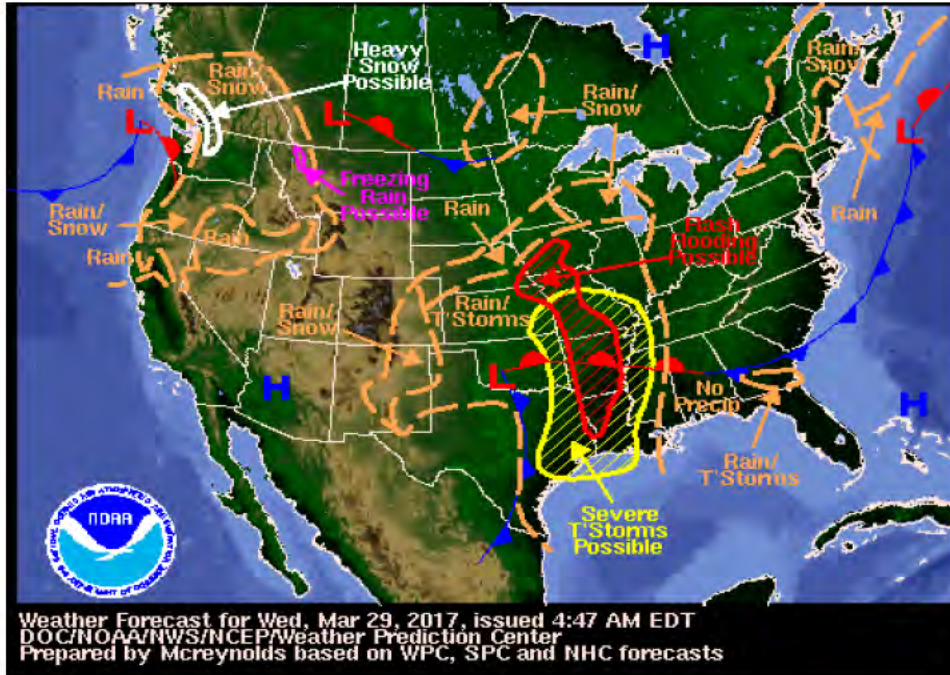
#### **Today:**

There is a slight risk of severe thunderstorms over the lower/middle Mississippi Valley. Heavy snow is likely for the Cascades, northern Rockies, and northern Great Basin. Heavy rain is possible over parts of the Pacific Northwest and the lower/middle Mississippi Valley. Rain will develop over parts of the middle Missouri Valley this morning and expand into parts of the Upper Great Lakes this evening. Rain and high elevation snow will develop over the Pacific Northwest and stretch into parts of the northern Rockies overnight Wednesday. Snow will also develop over parts of the upper Great Lakes overnight Wednesday into Thursday evening.

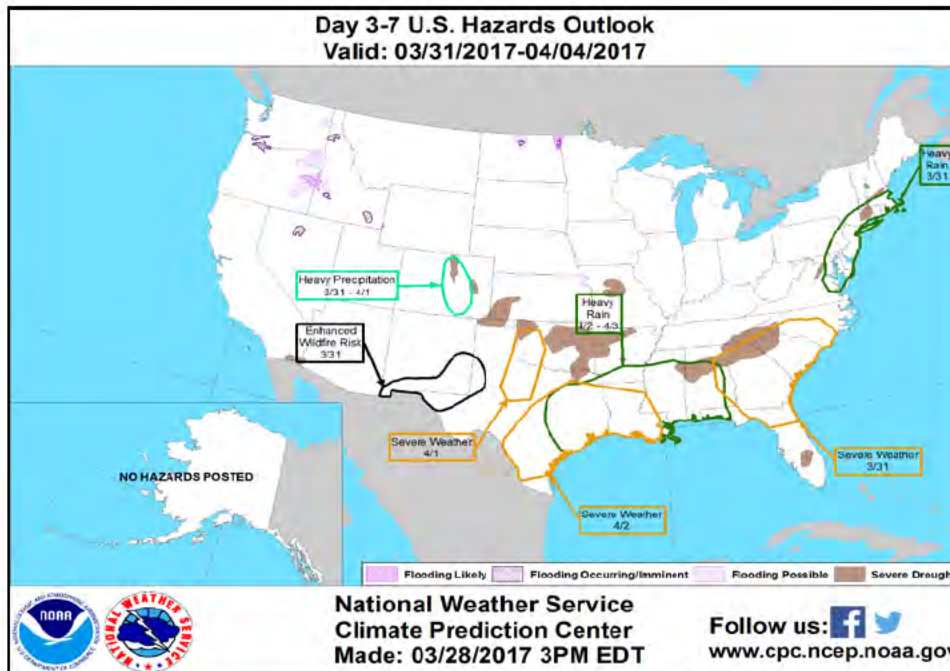
#### **Tomorrow:**

Upper-level energy over the eastern Pacific will move onshore over the West Coast by early Thursday morning, forming an upper-level low over the Great Basin by Thursday evening. Showers and thunderstorms will also develop over parts of the central/southern Appalachians and the Southeast on Thursday afternoon. A plume of moisture will stream into the Pacific Northwest and will slowly move southward along the coast to southern California by Thursday

morning. Low pressure over the southern Plains will slowly move northeastward to the middle Mississippi Valley and western Ohio Valley by Thursday evening. The storm will produce showers and thunderstorms over parts of the central/southern Plains, the middle Mississippi Valley, and stretch into parts of the southern High Plains. Rain and higher elevation snow will move into parts of northern California, the Great Basin, and the central Rockies through Thursday evening.



### Weather Hazard Assessment



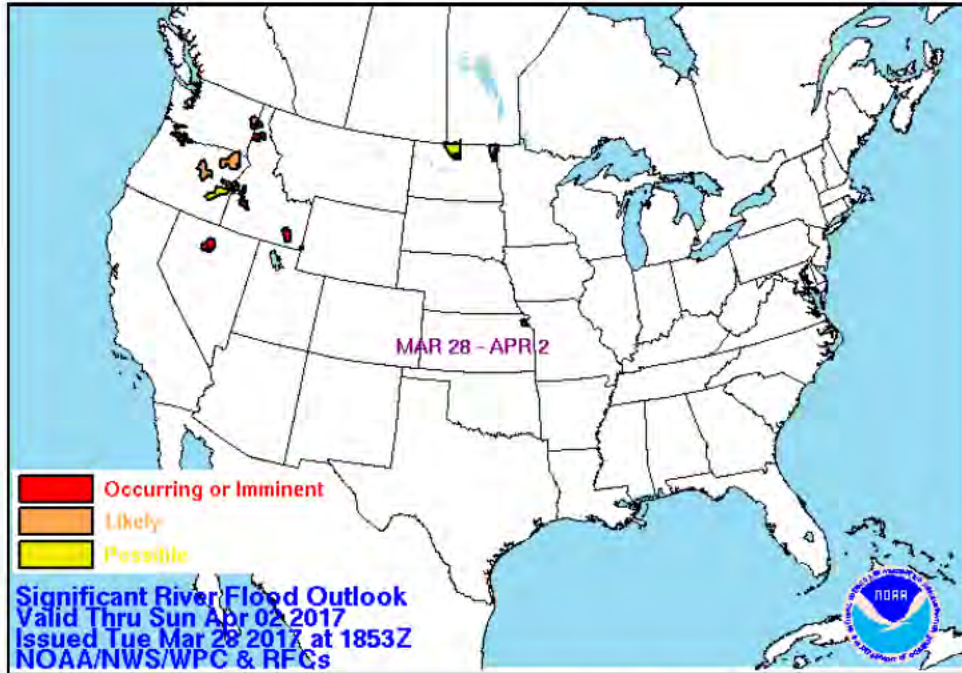
- March 29: Severe Drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- March 31: Severe weather for parts of the Southeast.
- March 31: Heavy rain for parts of the mid-Atlantic.
- March 31: Enhanced wildfire risk for parts of western Texas and southeastern New Mexico.
- March 31 - April 1: Heavy rain and snow for parts of eastern and central Colorado.
- April 1: Severe weather for parts of the southern Plains.
- April 2: Severe weather for parts of the southern Plains, the western Gulf Coast, and the lower Mississippi Valley.
- April 2-3: Heavy rain for parts of the southern Plains, the lower Mississippi Valley, and the Southeast.

## Alaska Weather



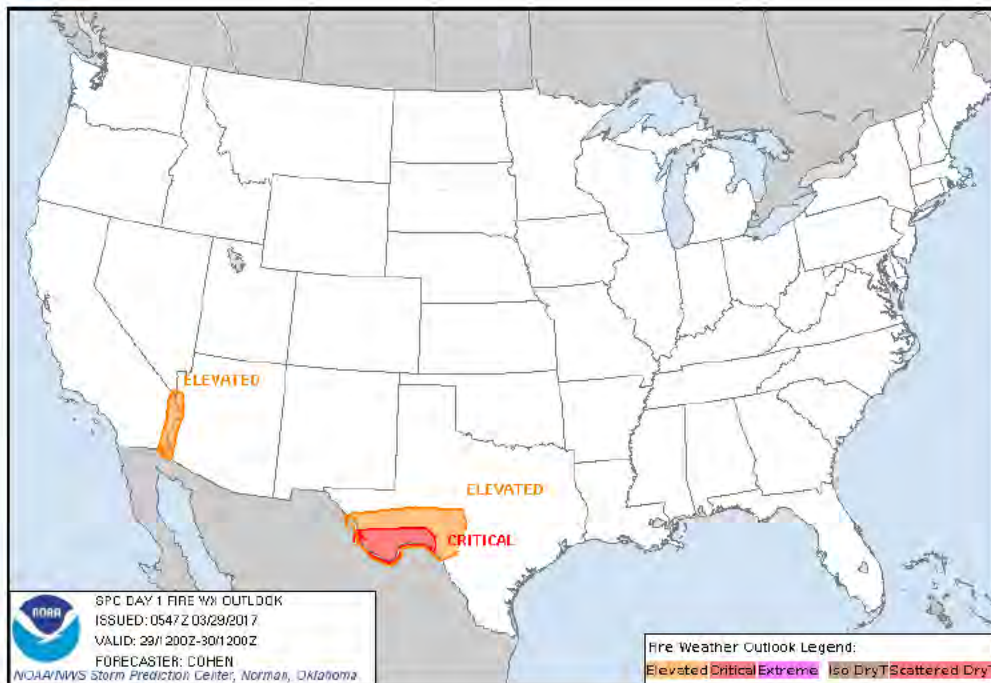
There is a Small Craft Advisory along the western Aleutian Islands from Attu through Adak, and in the Gulf of Alaska from Sitkinak to Dixon Entrance. There is a Gale Warning along the central Aleutian Islands from Adak to Castle Cape and the Bering Sea offshore. A Storm Warning exists from Cape Sarichef to Nikolski Pacific side. There is a Heavy Freezing Spray Warning for areas around St. Matthew Island and the Pribilof Islands. There is a Brisk Wind Advisory in effect for the Kuskokwim Delta and Etolin Strait, Bristol Bay, and from Cape Halkett to Demarcation Point.

## Significant River Flooding



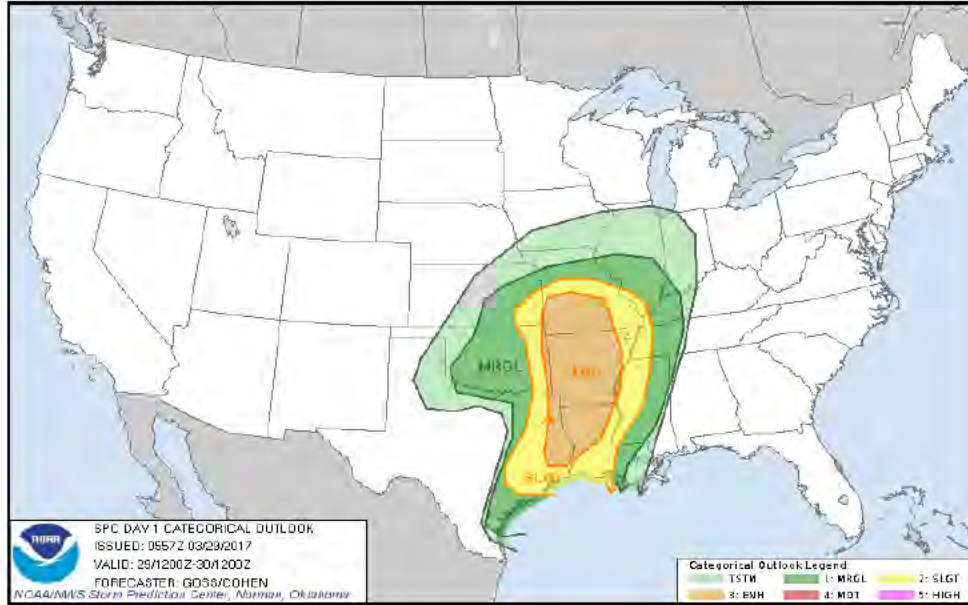
Significant River Flooding is occurring, likely, or possible today over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, and the northern Plains.

## Fire Weather



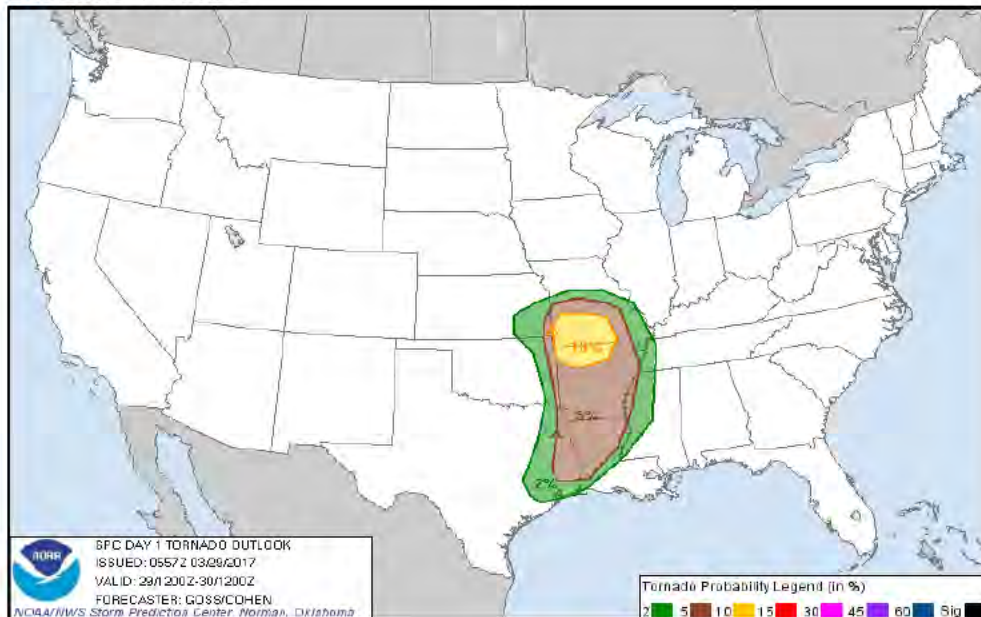
Critical Fire Weather is forecast today across portions of southwestern Texas. Elevated Fire Weather is forecast today for southwestern Texas and along the Nevada, California, and Arizona border.

### Severe Weather



There is an Enhanced Risk of severe thunderstorms across southern Missouri, much of Arkansas, eastern Texas, northern and western Louisiana, and small portions of surrounding states. There is a Slight Risk of severe thunderstorms from southeastern Kansas, eastern Oklahoma, and eastern Texas eastward to the middle and lower Mississippi Valley. There is a Marginal Risk of severe thunderstorms surrounding the slight and enhanced risk areas.

### Tornado Weather





There is a 10-percent chance of tornado activity across parts of northern Arkansas and southern Missouri. There is a 5-percent chance of tornado activity across southern Missouri, much of Arkansas, eastern Texas, and northwestern Louisiana. There is a 2-percent chance of tornado activity surrounding the higher risk areas.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

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EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, March 30, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - March 30, 2017*

The Incident Status Summary (ICS-209) for the **Parliament Fire** in Florida has not been updated since March 28 and will not be summarized in today's report. Reporting will resume when an updated ICS-209 is published.

## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data during this reporting period. Slightly elevated temperatures were observed in satellite images over the past day, likely related to warm water in the crater lake. The volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. There is no ground-based volcano monitoring equipment on Bogoslof, but the AVO will continue to monitor satellite images, information from the Worldwide

Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data during this reporting period. Satellite observations were mostly obscured by clouds, however it is possible that short-lived, low-level explosive activity will occur with little or no warning. Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a lava delta has begun to reform. Surface flows from a March 5 breakout are still active within 1.6 miles of the vent on Pu‘u ‘Ō‘ō. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 74 feet below the Overlook crater rim when measured Tuesday morning.

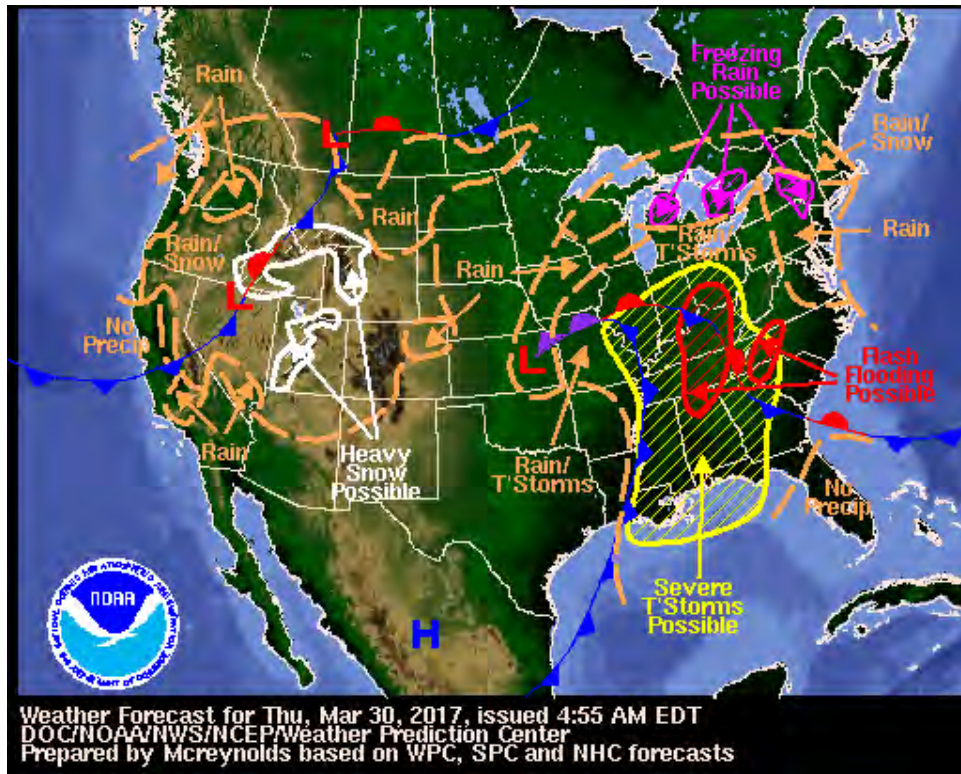
### **Flooding Activity**

*Source: U.S. Geological Survey (USGS) – March 29, 2017*

The USGS reports minor flooding throughout east-central and south-central Kansas, with additional rainfall forecast. Currently there are four stream gages at, or above, flood stage with many others expected to reach minor flood stage over the next 48 hours. Basins impacted include the Neosho, Cottonwood, and Marais Des Cygnes. The Kansas Water Science Center has 3 crews currently obtaining high water measurements. Additional impacts are likely with up to 3 inches of additional rainfall forecast. There are no event specific web pages or news releases planned at this time.

## **Significant National Weather**

Source: National Weather Service and National Oceanic and Atmospheric Administration - March 30, 2017



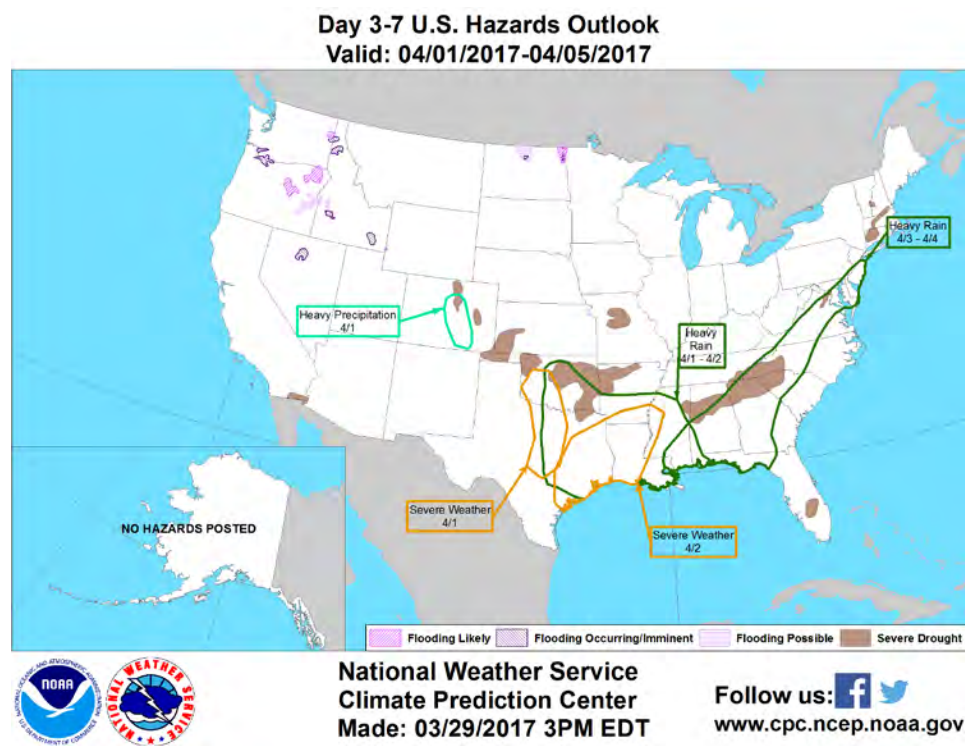
### **Today:**

Severe thunderstorm potential exists through Thursday over the middle and lower Mississippi and Tennessee valleys. Heavy snow is likely for the northern and central Rockies, the Great Basin, and the Wasatch Mountain Range. Heavy rain is forecast for portions of the Pacific Northwest and the lower and middle Mississippi Valley.

### **Tomorrow:**

Widespread showers and thunderstorms are forecast for much of the central United States, as a robust low pressure system tracks across the Midwest and through the Tennessee and Ohio valleys. Conditions are favorable for severe thunderstorm development across the middle and lower Mississippi valley and western portions of the Tennessee valley. Additionally, some of these storms may produce heavy rainfall which may increase the threat for flash flooding. This system is expected to reach the Appalachians and mid-Atlantic region by Friday afternoon and will usher in showers and thunderstorms to much of the Eastern Seaboard.

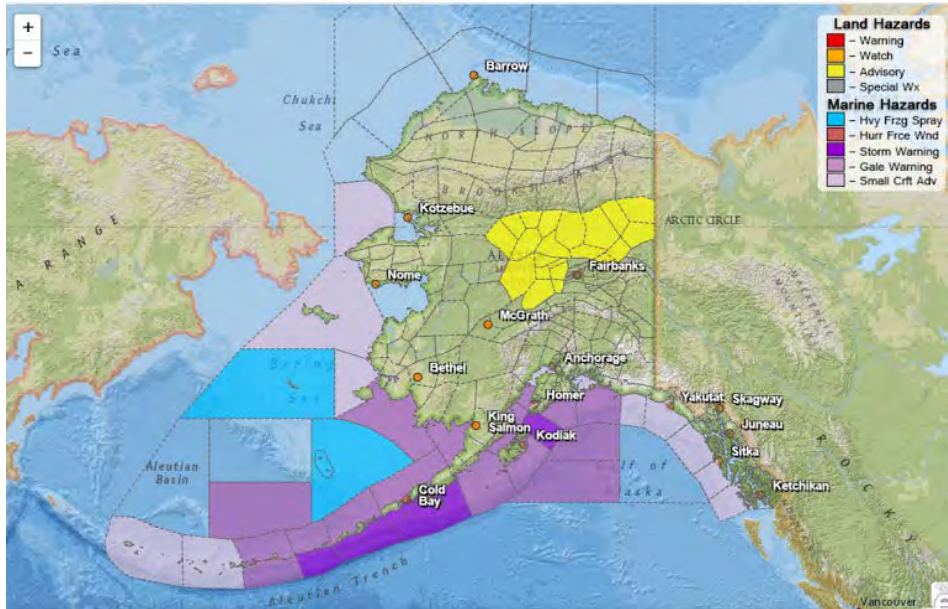
## Weather Hazard Assessment



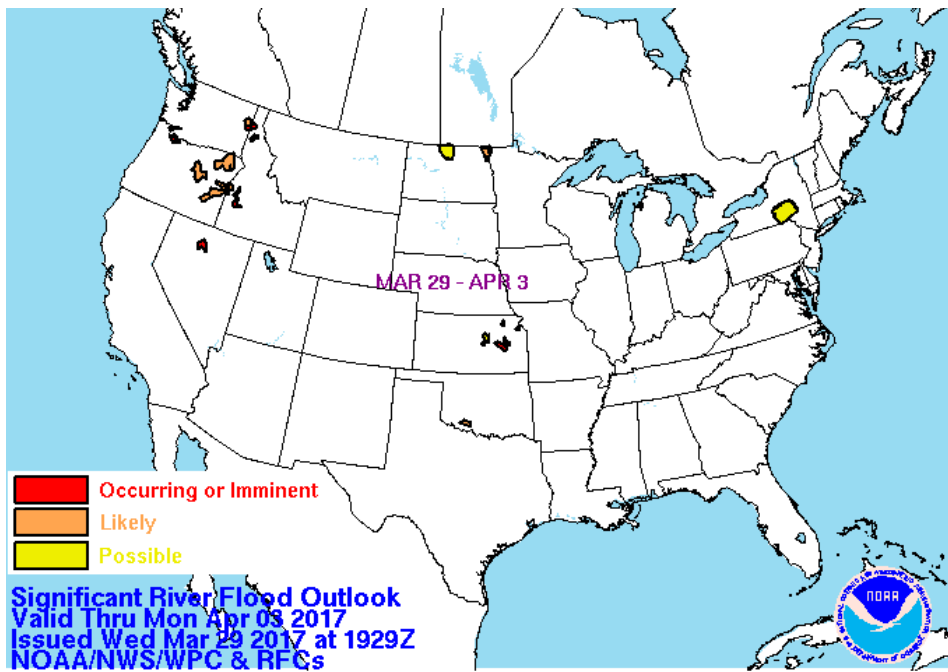
- March 30: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- April 1: Heavy rain and snow for parts of eastern and central Colorado.
- April 1: Severe weather for parts of the southern Plains.
- April 2: Severe weather for parts of the southern Plains, western Gulf Coast, and lower Mississippi Valley.
- April 1-2: Heavy rain for parts of the southern Plains and lower Mississippi Valley.
- April 3-4: Heavy rain for parts of the Southeast and mid-Atlantic.

### Alaska Weather

There is a Small Craft Advisory along the western Aleutian Islands from Attu through Adak, and Cape Suckling to Dixon Entrance. There is a Gale Warning along the central Aleutian Islands from Adak to Bristol Bay. There is a Winter Storm Warning along the central Aleutian Islands from Seagum through Castle Cape and the Barren Islands East on the Pacific Side. A Gale Warning is in effect offshore in the Bering Sea and throughout the St. Matthew Island waters. The St. Matthew Island waters are also under a Heavy Freezing Spray Advisory. A Brisk Wind Advisory is in effect north and west of Nunivak Islands through Cape Thompson. Central Alaska is under a Winter Weather Advisory between Tanana and the Upper Porcupine River.

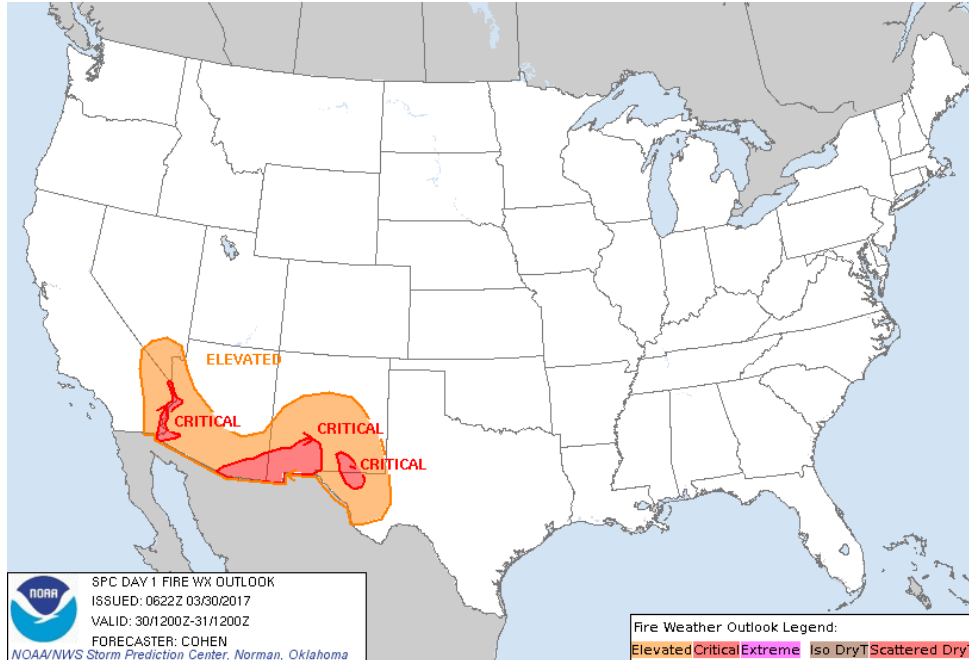


### Significant River Flooding



Significant River Flooding is occurring, likely, or possible today over parts of the Pacific Northwest, the northern Intermountain region, the northern Rockies, portions of eastern Kansas, southern Oklahoma, north-central and northeastern North Dakota, and upstate New York.

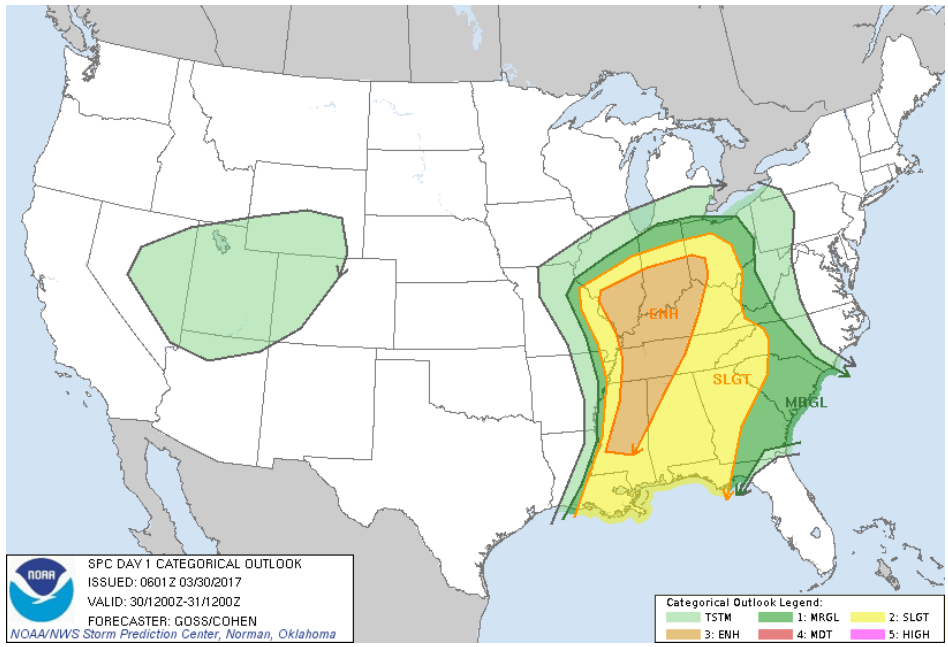
## Fire Weather



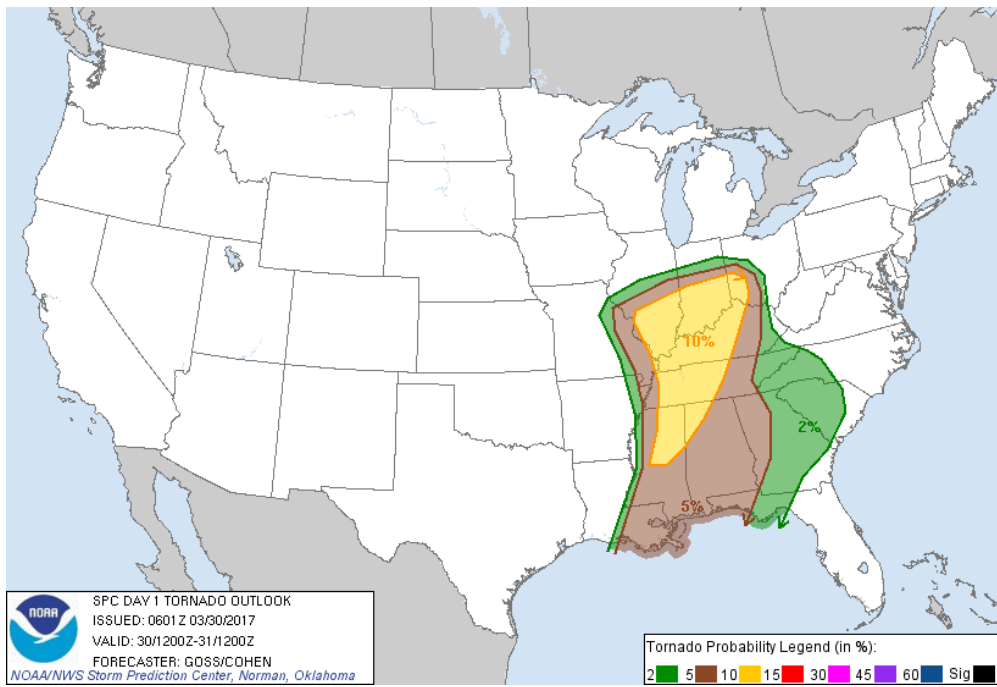
Critical Fire Weather is forecast today across portion of the lower Colorado River, southeast Arizona, southwest New Mexico, south-central New Mexico, and western Texas. Elevated Fire Weather is forecast today for southern California, southern Nevada, southern Arizona, southern New Mexico, and southwestern Texas.

## Severe Weather

There is an Enhanced Risk of severe thunderstorms from southern parts of Illinois, Indiana, and Ohio across the Tennessee Valley to central Mississippi. There is a Slight Risk of severe thunderstorms from the middle and lower Mississippi Valley across the Ohio Valley to the Appalachians and south towards the Gulf Coast. There is a Marginal Risk of severe thunderstorms surrounding the slight and enhanced risk areas that extends to the Georgia and South Carolina coastal area.



## Tornado Weather



There is a 10-percent chance of tornado activity across southern Illinois, southern Indiana, southwestern Ohio, and through the Mississippi Valley to central Mississippi. There is a 5-percent chance of tornado activity surrounding this area and extending south to southeastern Louisiana, Alabama, western Georgia, and the Florida panhandle. There is a 2-percent chance of tornado activity surrounding the higher risk areas and extending eastward through western North Carolina, western and central South Carolina, and most of Georgia.



*\*End of Report\**

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, March 31, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

**Source:** [Fire and Aviation Management Website - March 31, 2017](#)

## Florida Fires

### **Parliament Fire**

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,471 (no change)
- Containment: 75-percent (-15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 79 (-18) / 52 (+16)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 11

Comments: Moderate fire behavior was observed during this reporting period. The fire is threatening habitats of the Red-cockaded Woodpecker, Florida panther, and Bonneted Bat. This fire is being fought under a confine strategy and demobilization of resources is expected to begin on April 5.



*IGEMS Image*

## *Volcano Activity*

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data during the reporting period. Satellite observations were obscured by clouds. The volcano remains at a heightened state of unrest and is in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. The AVO has no ground-based volcano monitoring equipment on Bogoslof volcano and relies on information from the Worldwide Lightning Location Network, satellite images, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – March 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic and infrasound data over the past reporting period, and satellite observations were obscured by clouds. It is possible that short-lived, low-level explosive activity could occur with little or no warning. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing

eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – March 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a lava delta has begun to reform. Surface flows from a March 5 breakout are still active within 1.6 miles of the vent on Pu‘u ‘Ō‘ō. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 46 feet below the Overlook crater rim when measured Thursday morning.

### **Significant National Weather**

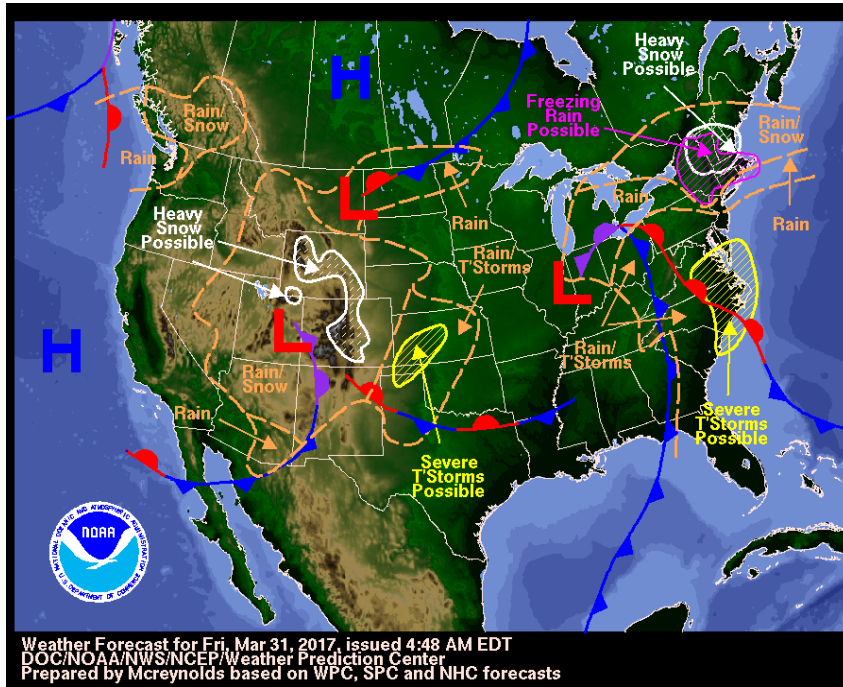
*Source: National Oceanic and Atmospheric Administration National Weather Service – March 31, 2017*

#### **Today:**

Severe thunderstorms are possible today across much of the Ohio Valley and southward to the Gulf Coast. Heavy snow is likely for the northern and central Rockies, the Great Basin, and the Wasatch Mountain Range. Heavy rain is possible for areas east of the Mississippi River. Widespread showers and thunderstorms have developed across the Midwest, the Ohio Valley, the Great Lakes, and portions of the Northeast, with a few organized lines of strong thunderstorms over the Gulf States and the Carolinas. The robust low pressure system that is producing the widespread precipitation will continue to track east through the Tennessee and Ohio valleys today, and reaching the Atlantic Coast by Friday evening.

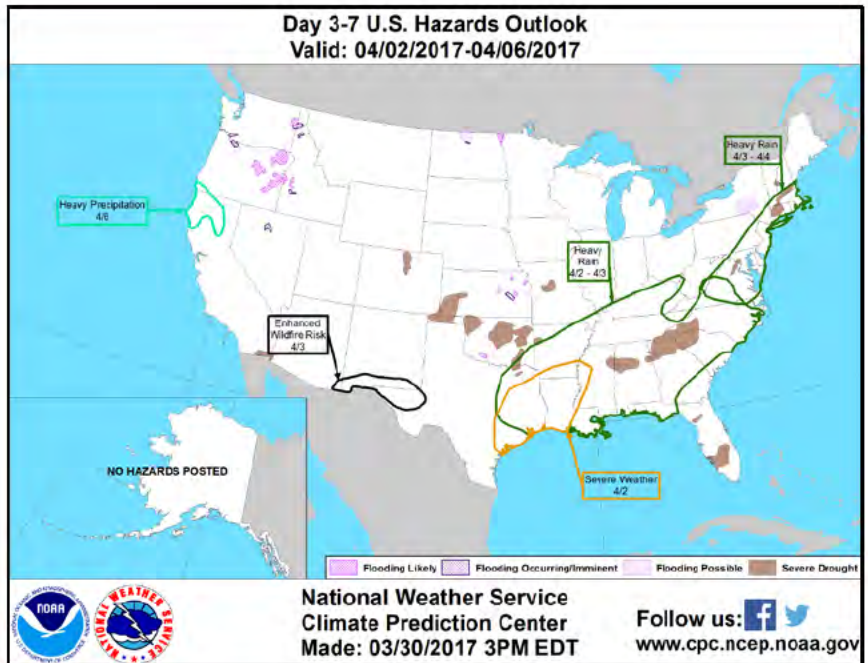
#### **Tomorrow:**

A mix of rain and snow may develop over parts of the upper Great Lakes today and tonight, while a wintry mix of rain, snow, and ice is expected across the Northeast over the next couple of days. Winter Storm Watches, Winter Storm Warnings, and Winter Weather Advisories are currently in effect for portions of the Northeast. Potentially heavy snow will persist across the highest elevations of the northern and central Rockies and the northern portion of the Great Basin Friday night into Saturday. Winter Weather Advisories and Winter Storm Warnings are in effect for portions of southwest Montana, central Idaho, west-central Wyoming, Colorado, and most of Utah. The system is expected to split as it continues eastward from the Rockies during the day Friday, with one section moving into the north-central United States, and another into the south-central United States. The southern system will be the focus for more rain and thunderstorm development across the Southern Plains for this weekend.



## Weather Hazard Assessment

- March 31: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- March 31: Flooding is possible, likely, or imminent/occurring over parts of the Pacific Northwest, northern and central Intermountain region, the northern Rockies, and the northern Plains.
- April 2: Severe weather for parts of the southern Plains, western Gulf Coast, and lower Mississippi Valley.
- April 2-3: Heavy rain for parts of the southern Plains, lower Mississippi Valley, central and southern Appalachians, and Southeast.
- April 3: Critical fire weather forecast parts of west Texas and southern New Mexico.
- April 3-4: Heavy rain for parts of the mid-Atlantic and Northeast.
- April 6: Heavy rain and high elevation snow for parts of northern California.

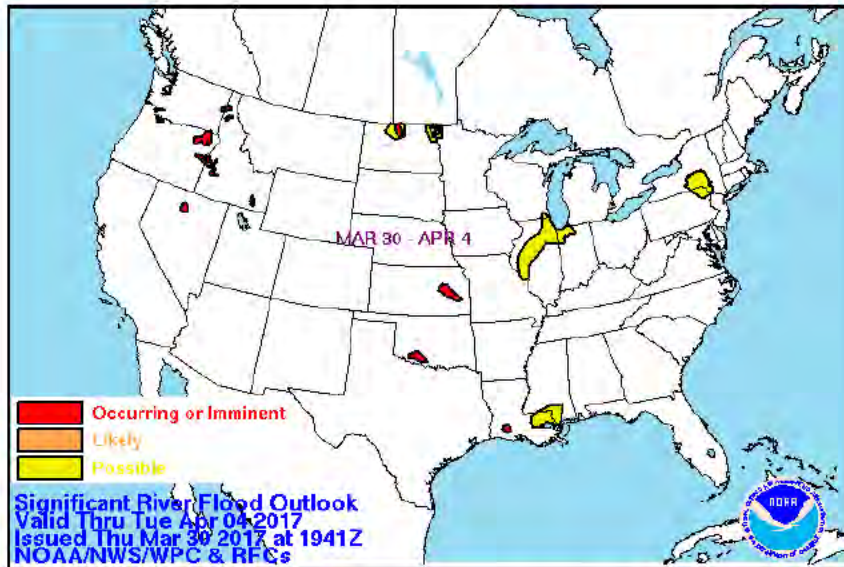


## Alaska Weather



A Storm Warning is in effect for the waters south of Prince William Sound, for the Shelikof Strait, and from the Cook Inlet south to Kodiak Island. A Gale Warning is in effect from Nunivak Island to Bristol Bay, from Nikolski Island to the Alaskan Peninsula and Kodiak Island, and for the remainder of the waters of the Gulf of Alaska. A Brisk Wind Advisory is in effect from the Bering Strait to the waters off of St. Lawrence Island. A Small Craft Advisory is in effect for the waters off of St. Matthew and Nunivak Islands, from Attu to Nikolski Island, and south of Kodiak.

## Significant River Flooding



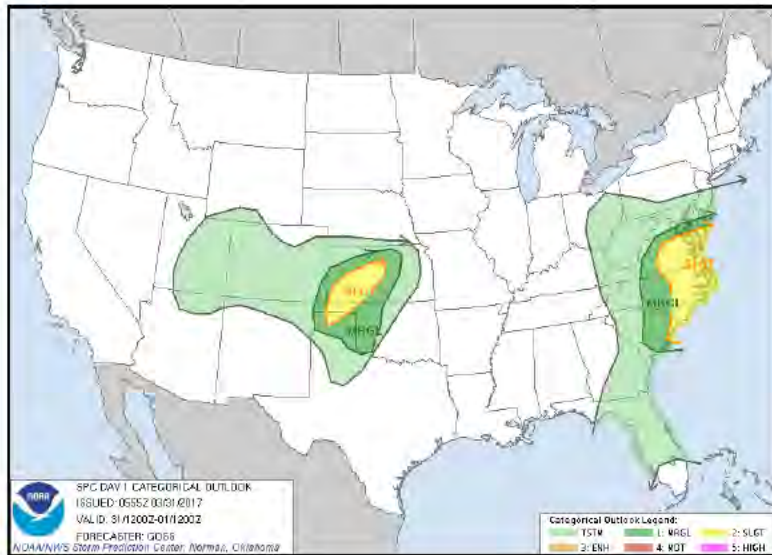
Significant River Flooding is possible, likely, or imminent/occurring over parts of the Pacific Northwest, northern and central Intermountain region, the northern Rockies, the northern Plains, lower Mississippi Valley, and along the Pennsylvania and New York border.

## Fire Weather

Extreme Critical Fire Weather is forecast today for portions of southern New Mexico and western Texas. Critical Fire Weather is forecast for much of southeastern New Mexico and parts of west Texas. An area of Elevated Fire Weather surrounds the Critical Fire Weather and extends from southeastern Arizona to central Texas.

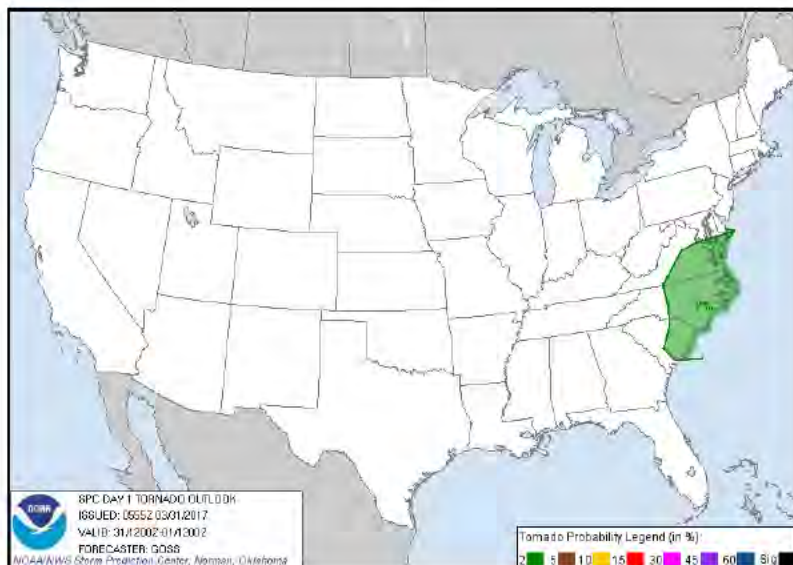


## Severe Weather



There is a Slight Risk of severe thunderstorms across portions of southeastern Virginia and the eastern portion of the Carolinas. There is also a Slight Risk of severe thunderstorms across portions of the Texas and Oklahoma panhandles and into western and central Kansas. There is a Marginal Risk of severe thunderstorms across parts of the mid-Atlantic, the Carolinas, and from the High Plains across parts of Kansas and Oklahoma.

## Tornado Weather



There is a 2-percent chance of tornado activity across the southern half of the Delmarva Peninsula, eastern and central Virginia, eastern and central North Carolina, and north-eastern South Carolina.

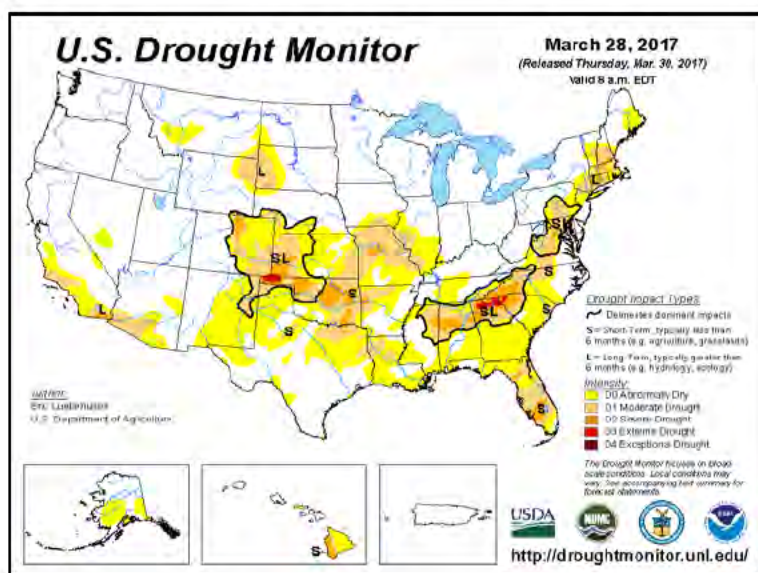


## Other News and Notes

### **U.S. Drought Monitor**

*Source: United States Drought Monitor - March 30, 2017*

During the past week, renewed Pacific storminess brought increasingly wet, mild weather to a large swath of the country. Precipitation was heaviest from the central and northern Pacific Coast into the central and northern Rockies, while a secondary area of locally heavy rain and wet snow developed over the central Plains. Farther east, an influx of Gulf moisture led to widespread moderate to heavy rain from the lower and middle Mississippi Valley into the interior Southeast, while somewhat lighter precipitation was observed across the Midwest (mostly rain) and New England (wintry mix). As a result, widespread reductions in drought intensity and coverage were made where the heaviest precipitation fell, although the lower Southeast (including Florida) remained unfavorably dry.



***\*End of Report\****

### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, April 17, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## BP Well Release - Prudhoe Bay, AK

*Source: DOI Office of Environmental Policy and Compliance - April 16, 2017*

On the morning of April 14, BP Exploration Alaska (BPXA) employees discovered an uncontrolled gas release from the top of a well house of an oil and gas production well in the Prudhoe Bay oil field on Alaska's North Slope.

The Office of Environmental Policy and Compliance (OEPC) was notified of the release on Friday morning (April 14). The OEPC immediately notified and coordinated with the U.S. Fish and Wildlife Service (USFWS), and the U.S. Geological Survey (USGS). DOI staff with OEPC, USFWS, and USGS continue to monitor the situation.

It was reported on Sunday, April 16, that the well continues venting natural gas, which initially caused a spray of crude oil that impacted the well pad. The crude oil release has stopped. An overflight suggested that the crude spray plume did not leave the pad; however, the situation is not yet safe for responders to access the area to confirm whether there are any impacts to the adjacent tundra. No volume estimate for crude spray released at the well site is available at this time.

The cause of the incident is under investigation. BPXA has formed a Unified Command with the Alaska Department of Environmental Conservation (ADEC), the Environmental Protection Agency (EPA), and the North Slope Borough.

Source control of the well has not yet been established and BPXA is devising a plan to stop a leak associated with a damaged pressure gauge. Once that leak has been addressed, BPXA will implement steps to kill the well. After well control has been achieved, BPXA will work with their oil spill response organization to delineate the impacted area and clean up the site.

No wildlife impacts have been reported to date. The primary DOI trust resource issue is potential for oil exposure to polar bears. There have been no reports of bears in the vicinity thus far, and given the industrial nature of the site, the probability of oil exposure is thought to be low.

### **Natural Gas Pipeline Leak - Cook Inlet, AK (Final)**

*Source: DOI Office of Environmental Policy and Compliance - April 16, 2017*

On February 7, Hilcorp Alaska, LLC (Hilcorp) observed bubbles coming from a natural gas leak associated with an underwater pipeline in Cook Inlet, in south-central Alaska. The Office of Environmental Policy and Compliance (OEPC) was notified by the U.S. Coast Guard on February 10. The OEPC notified the U.S. Fish and Wildlife Service (USFWS), and, subsequently, both OEPC and the USFWS have followed the situation, including attending meetings with Hilcorp and other Federal and state agencies.

The pipeline, constructed in 1965, is located at a depth of 80 feet. Originally, the pipeline delivered oil to a shore-based processing facility; however, in 2005, the pipeline was converted to deliver natural gas fuel (methane) to several offshore oil and gas platforms.

In late March, Hilcorp shut down oil production from the affected platforms, allowing them to reduce the line pressure and amount of leaking natural gas. Hilcorp also shut down an oil pipeline that runs adjacent to the natural gas pipeline. These pipelines will not be put into service until they have been fully inspected and resumption of operations has been approved by federal and state regulators.

The leak was initially reported to be approximately 275,000 cubic feet of gas daily; however, the magnitude of the leak was later reduced to roughly 100,000 cubic feet of gas per day after oil production was halted.

The leaking natural gas generated concerns about potential impacts to aquatic life, including salmon and other fish, the endangered Cook Inlet beluga whale, and other wildlife. The concern for fish and other aquatic organisms is that methane may replace oxygen in the water column, causing adverse effects.

Due to ice cover in Cook Inlet, conditions were unsafe for diving operations until recently. Dive crews successfully installed a temporary clamp and stopped the gas release on April 13. Dive operations continued on April 14, in order to prepare for installation of a permanent clamp, conditions permitting.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - April 17, 2017*

### **Florida Fires**

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 19,297 (+2,339)
- Containment: 52-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 283 (+9) / 100 (+23)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Active fire behavior was observed during this reporting period, and additional perimeter spread is possible over the next several days. The fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures remain in effect.

The current drought conditions have resulted in dry fuels in the fire area. According to the most recent Incident Status Summary (ICS-209), fuel structure modification is needed in order to reduce the amount of fuels near the fireline. The reduction in fuels will aid in the control of strategic firing operations. Fire managers have implemented confine, contain, and point protection strategies that commit responders only to operations where they can be successful. Even though some mechanical equipment and tools have been approved for use, Minimum Impact Suppression Tactics (MIST) are being utilized to decrease damage to the ecosystems within the Big Cypress National Preserve. Aerial resources assigned to the fire are being utilized to minimize fire behavior.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – April 14, 2017

### National Preparedness Level 1

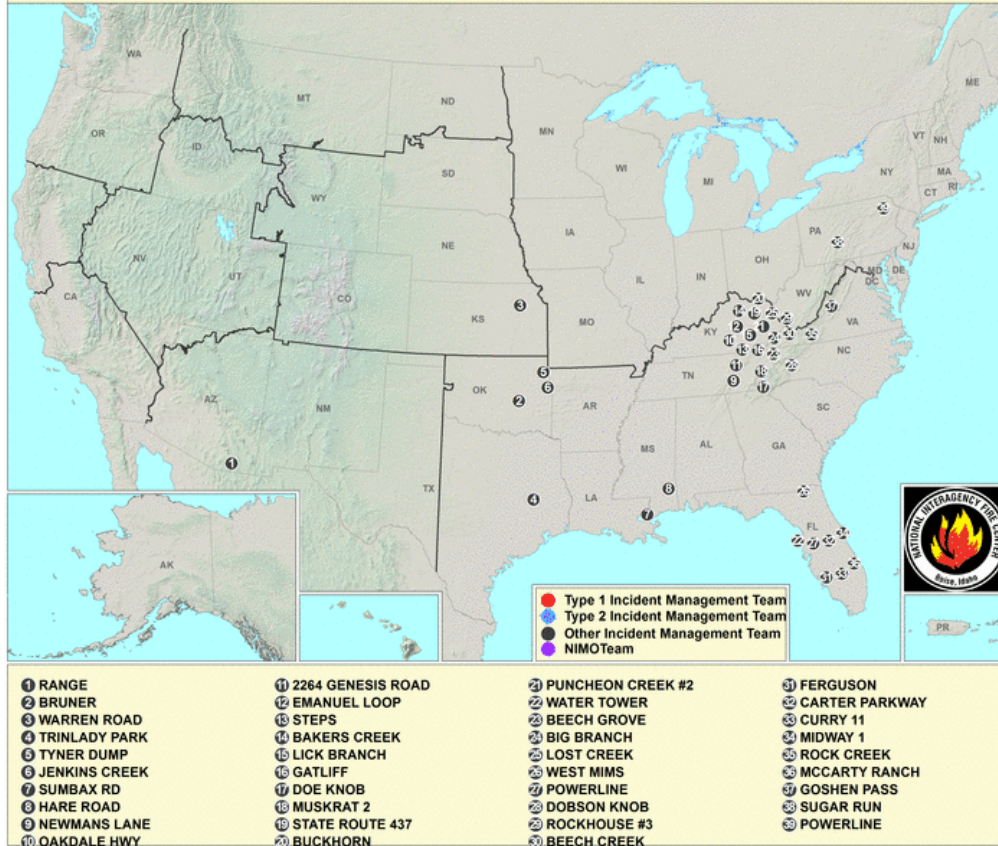
#### National Fire Activity (April 7 - April 13)

Initial attack activity:	Light (993 new fires)
New large fires:	41
Large fires contained:	28
Uncontained large fires: **	13
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	0
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

# New Large Incidents

## April 16, 2017



### Volcano Activity

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continued to erupt at the summit and the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continued entering the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remained active above the pali posing no threat to nearby communities. The lava lake surface continued to recede below the floor of Halema‘uma‘u Crater.

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Activity may ramp back up with additional explosions producing high-altitude volcanic clouds with little precursory activity. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. It is possible for low-level unrest, including explosive activity, to occur that is difficult to detect with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano.

### **Earthquake Activity**

*Source: U.S. Geological Survey – April 15, 2017*

The United States Geological Survey (USGS) reported a magnitude 6.2 earthquake occurred on April 15 at 4:19 a.m. EDT, approximately 41 miles east-southeast of San Pedro de Atacama, Chile at a depth of 84 miles. The USGS issued a Green PAGER Alert, indicating a low likelihood of casualties and damage as a result of the earthquake.

### **Significant National Weather**

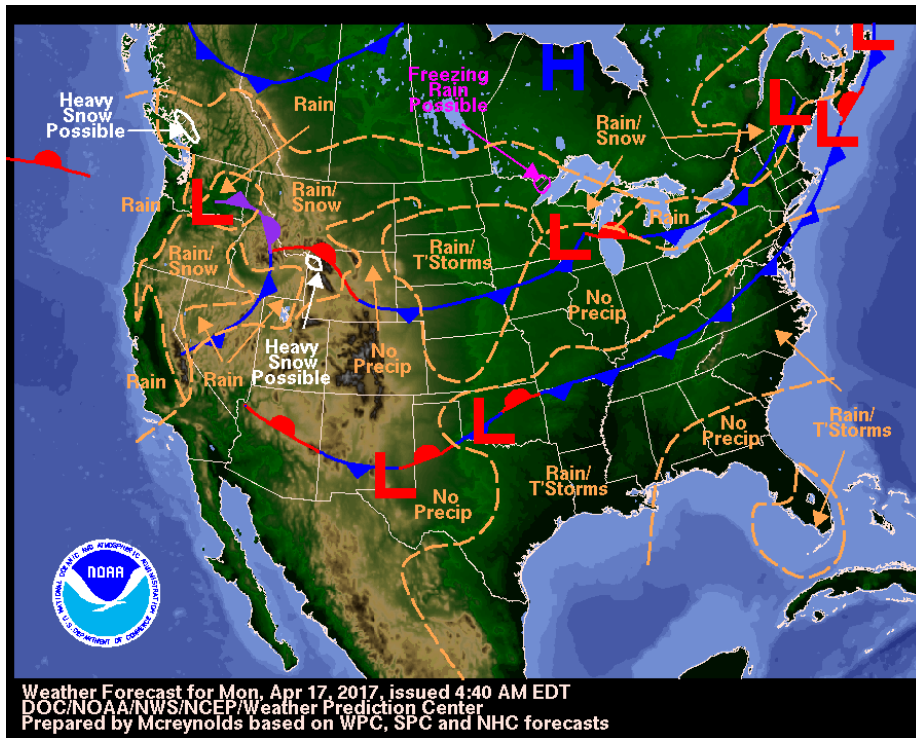
*Source: National Weather Service - April 17, 2017*

#### **Today:**

A frontal system extending from the waters off of Maine to New Mexico will affect the eastern United States. Showers and thunderstorms will be prevalent across most of Southeast and the southern Plains. Mixed rain and snow will fall over northern New England with little accumulation expected. There is a marginal threat of severe storms in southern Texas with hail and high winds the primary concerns. Another frontal system is draped across the Great Lakes extending back to Wyoming. A band of severe thunderstorms is possible from the Black Hills of South Dakota southward to the southern border region of Colorado and Kansas. Rain and snow will impact most of the Northwest with rain along across the entire Pacific Coast.

#### **Tomorrow:**

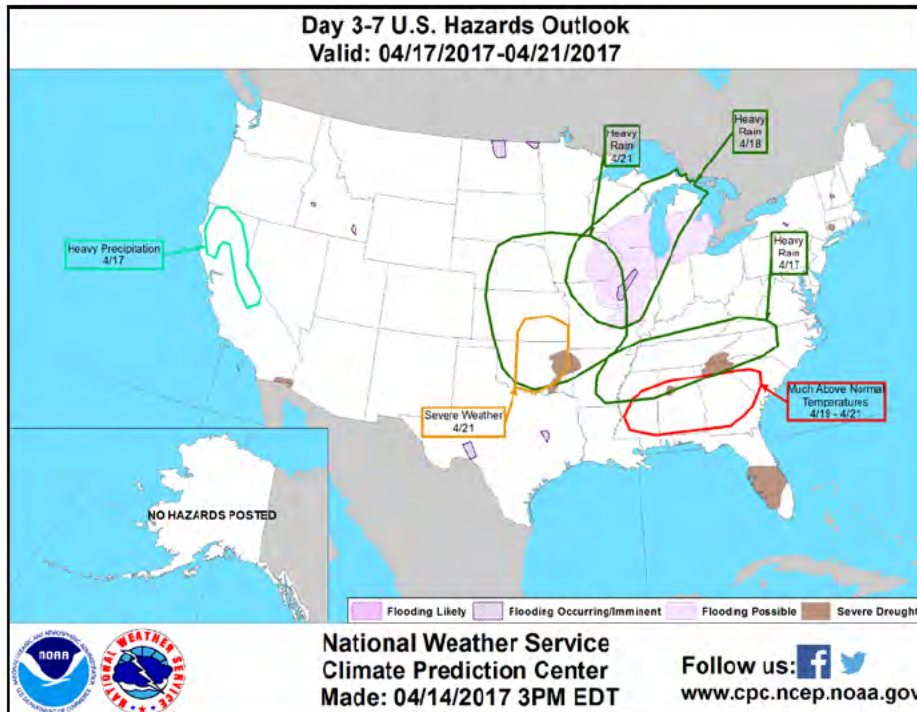
A low pressure frontal system extends from western Pennsylvania to Minnesota and southwestward to the Four Corners area. There will be a chance of rain and thunderstorms from the northern Rockies to the Great Lakes. Mixed rain and snow will fall across the northern Rockies and the Great Basin, as well as the Cascades and the Sierra Nevadas. A weak frontal system will cause some rain showers and thunderstorms across the western Gulf of Mexico and the Southeast. Rain will fall along the Pacific Coast from Vancouver to Los Angeles. A high pressure system will allow the southern Plains and southern Rockies to stay fair and dry tomorrow. Elevated fire weather conditions will develop over the Four Corners area on Tuesday.



## Weather Hazard Assessment

- April 17: Severe Drought across parts of the lower Mississippi Valley, the Tennessee Valley, Hawaii, the Northeast, California, the Southeast, the southern Appalachians, the southern Plains, and the Southwest.
- April 17: Heavy rain across portions of the lower Mississippi Valley, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, and the Ohio Valley.
- April 17: Flooding is occurring or imminent across portions of the Northeast, the southern and northern Plains, the northern Great Basin, the middle Mississippi Valley, and the Great Lakes. Flooding is possible across portions of the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley.
- April 17: Heavy precipitation across portions of California.
- April 18: Heavy rain across portions of the Great Lakes, the middle and upper Mississippi Valley, and the Ohio Valley.
- April 19-21: Much above normal temperatures across portions of the lower Mississippi Valley, the Tennessee Valley, the southern Appalachians, and the Southeast.
- April 21: Heavy rain across portions of the Great Plains and the Mississippi Valley.
- April 21: Severe weather across portions of the central and southern Plains.
- April 23-25: Slight risk of much above normal temperatures for portions of southern California and the Southwest.
- April 24-25: Moderate risk of much above normal temperatures for portions of southern California and the Southwest.





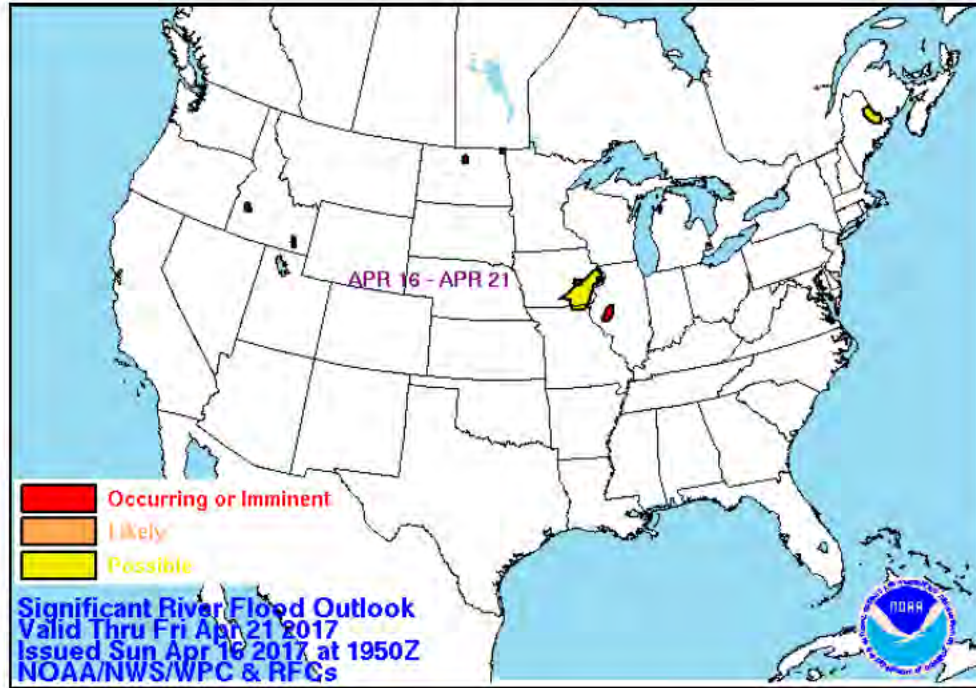
## Alaska Weather



A Small Craft Advisory is in effect for most of the Aleutian Islands range, from Kiska to Sitkinak, and the Barren Islands. A Gale Warning is in effect for the western Aleutians and from Cape Halkett to Flaxman Island. A Brisk Wind Advisory is in effect for Kotzebue Sound, from Demarcation Point to Flaxman Island, and from Cape Halkett to Wales. A Wind Advisory is in

effect from the western Brooks range to central Alaska. A Winter Weather Advisory is in effect for the western Arctic Coast, and the central and eastern Beaufort Sea Coast.

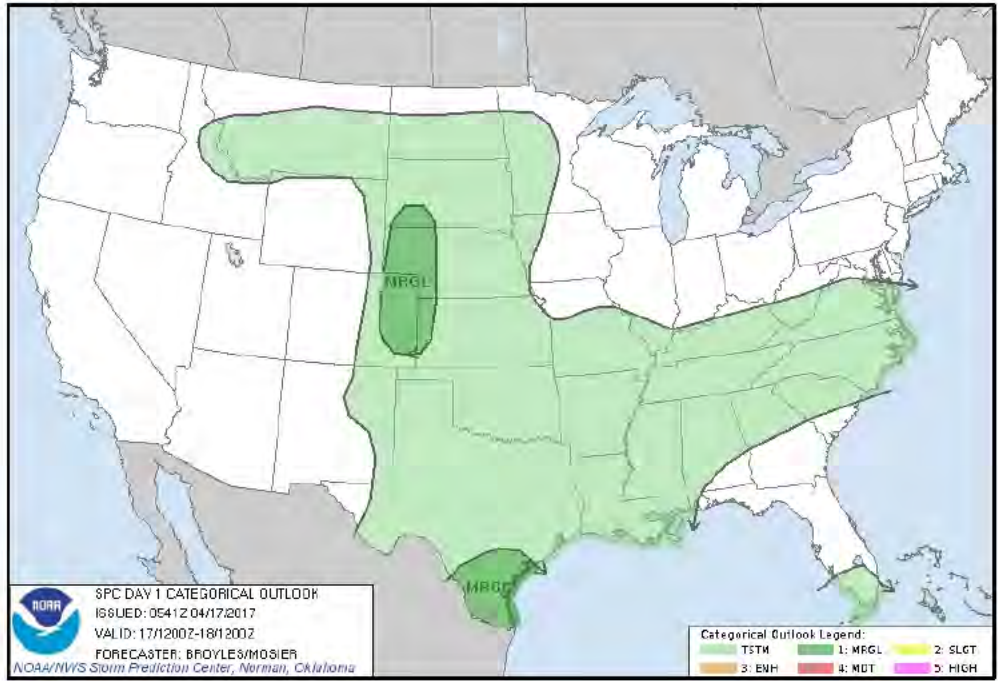
### Significant River Flooding



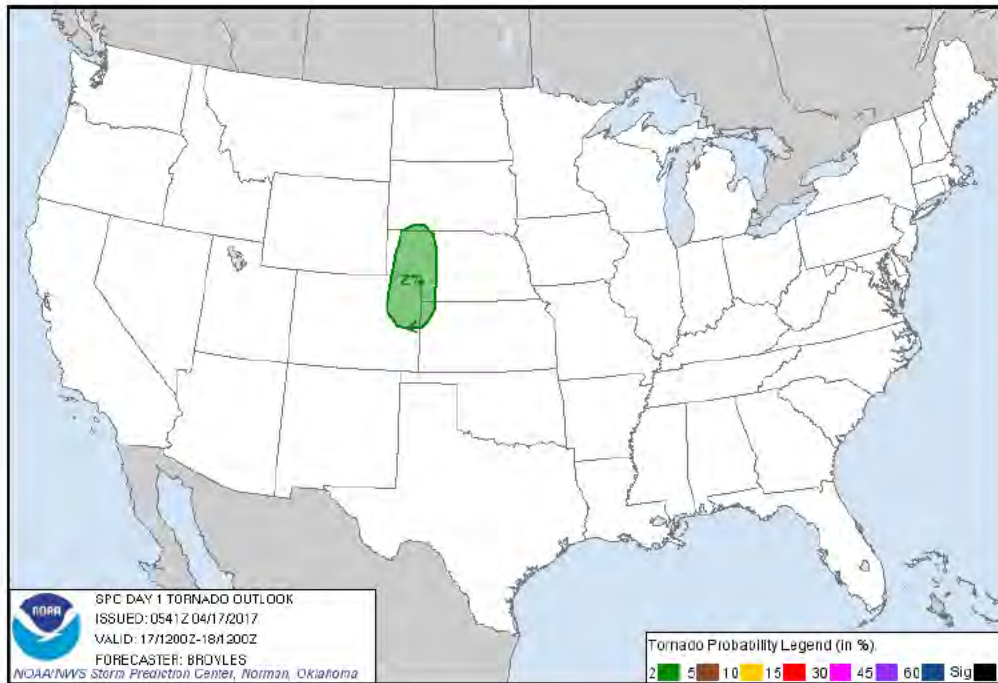
Significant River Flooding is occurring in southern Idaho, northern North Dakota, eastern Iowa, and western Illinois. Significant River Flooding is possible in eastern and southeastern Iowa, northern Missouri, and northeastern Maine.

### Severe Weather

There is a Marginal Risk of severe thunderstorm activity today across portions of the central and northern High Plains, southern Texas, and the lower to middle Texas coast.



### Tornado Weather



There is a 2-percent chance of tornado activity today for western Nebraska, northwestern Kansas, northeastern Colorado, and southern South Dakota.

### Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

***\*End of Report\****

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Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, April 18, 2017

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Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## British Petroleum Well Release - Prudhoe Bay, AK

*Source: DOI Office of Environmental Policy and Compliance - April 17, 2017*

On April 14, British Petroleum Exploration Alaska (BPXA) employees discovered an uncontrolled natural gas and crude oil release from a production well in the Prudhoe Bay oil field on Alaska's North Slope. The area impacted by the initial spray of crude oil is thought to be limited to the reserve pit of the gravel well pad; however, responders have not yet been able to determine whether there are any impacts to the adjacent tundra. The estimated volume of the crude oil released is currently unavailable, and the cause of the incident remains under investigation.

On April 17, the well was "killed" by pumping a methanol and potassium chloride solution into the well, which offsets upward pressure. The well will not be considered secured until a mechanical plug is installed, and hydraulic pressure to the well will be maintained until the installation is complete. BPXA is in the process of preparing a plan for the installation of the mechanical plug.

Once well control has been achieved, BPXA will work with their oil spill response organization, Alaska Clean Seas, to delineate the impacted area. The Unified Command for this incident, consisting of the Environmental Protection Agency, the Alaska Department of Environmental Conservation, and BPXA, will approve cleanup plans after the extent of contamination is defined. No wildlife impacts have been reported to date.

The Department of the Interior (DOI) Office of Environmental Policy and Compliance, the U.S. Fish and Wildlife Service (USFWS), and the U.S. Geological Survey continue to coordinate and monitor the situation. On April 17, DOI representatives participated in an activation of the Alaska Regional Response Team.

### ***Wildland Fire Activity***

*Source: Fire and Aviation Management Website - April 18, 2017*

### **Florida Fires**

#### **Cowbell Fire**



*IGEMS Image*

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,156 (+1,859)
- Containment: 52-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 245 (-38) / 94 (-6)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Moisture has increased over the fire area, and there is a possibility of shower and thunderstorm activity through Thursday of this week. A dry air mass is expected to return to the area at the end of the week. Moderate fire behavior was observed during this reporting period, and the fire continues to threaten infrastructure, transportation corridors, federal facilities,

threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures remain in effect.

## Georgia Fires

### West Mims Fire (Initial Report)



IGEMS Image

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 21,308
- Containment: 3-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 265 / 50
- Structures Threatened-Single-Mixed Residential/Commercial: 34 / 3
- Evacuations / Sheltered in place: 0 / 0
- Injuries / Fatalities: 0 / 0
- Containment Date: June 15

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is likely. In addition to the residential and commercial properties, there are private hunting structures, commercial timber, the Stephen Foster State Park, and three historic sites within the Okefenokee NWR that are threatened. The fire is currently being managed under a combined full suppression (1-percent) and confine (99-percent) suppression strategy. Road closures are in effect in the fire area, and challenges for response personnel include accessibility, dry fuels, and the inability to acquire an adequate number of resources.

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. The lava lake surface was no longer receding on Monday morning, but remained below the floor of the Halema‘uma‘u Crater and was not visible from the Jaggar Museum Overlook.

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed at the Bogoslof Volcano during this reporting period. The volcano remains in a heightened state of unrest, and additional explosions could occur with little advance notice. Although the AVO is able to detect energetic explosive activity in real-time, there is typically a lag before they can characterize the magnitude of the event and the altitude of the volcanic cloud. It is possible for low-level unrest, including explosive activity, to occur that the AVO is unable to detect with existing data sources. Such low-level periods of unrest could pose a hazard in the immediate vicinity of the volcano.

## **Significant National Weather**

*Source: National Weather Service - April 18, 2017*

### **Today:**

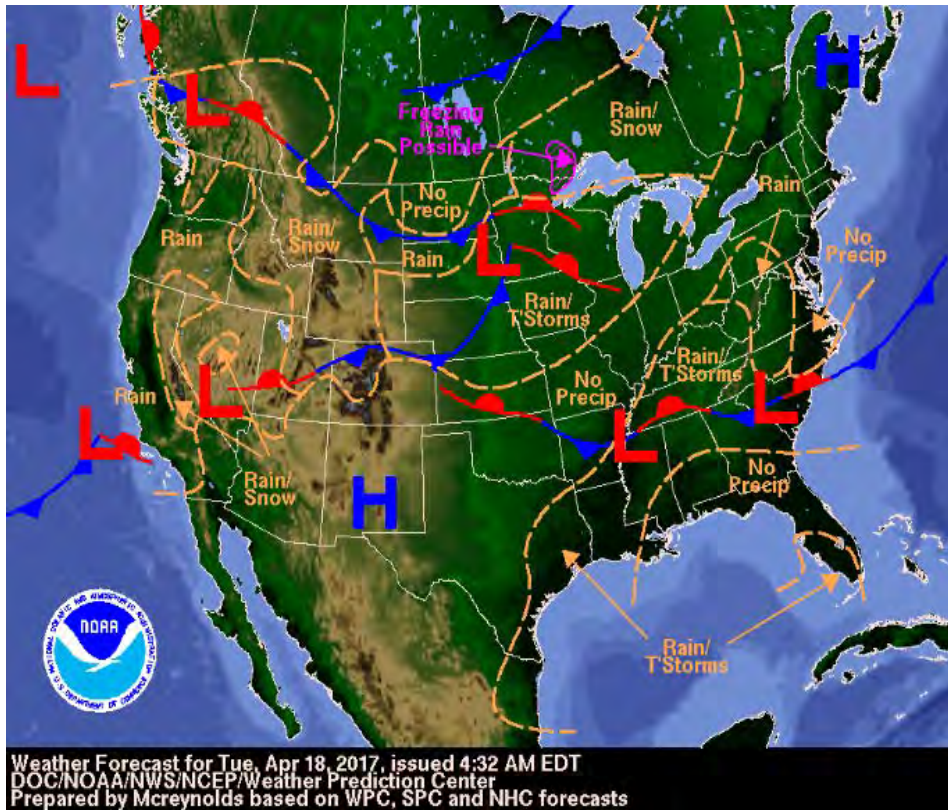
A stationary front will extend from the Carolinas to the southern Plains. Showers and thunderstorms will affect the South from the Tennessee Valley to South Carolina. Light rain will fall across the central Appalachians and the eastern Ohio River Valley. High pressure over New England will give the Northeast and mid-Atlantic a mild, pleasant day. A strong cold front over the central Plains and the Rockies will be focal point for severe weather and heavy rain. A band of severe thunderstorms is possible across all of Nebraska, shifting into Iowa and eastern Kansas by Wednesday; the main threats will be heavy rain, hail, and high winds. Two small frontal systems will cause rain and snow over the northern Rockies and rain along Pacific Coast. Elevated fire weather conditions will develop from southern Utah to northern Texas.

### **Tomorrow:**

A strong front extending from the northern Great Lakes to northern Colorado will cause rain showers and thunderstorms across most of eastern half of the United States. Thunderstorms and rain showers will cover most of South, the Tennessee River Valley, and the southern



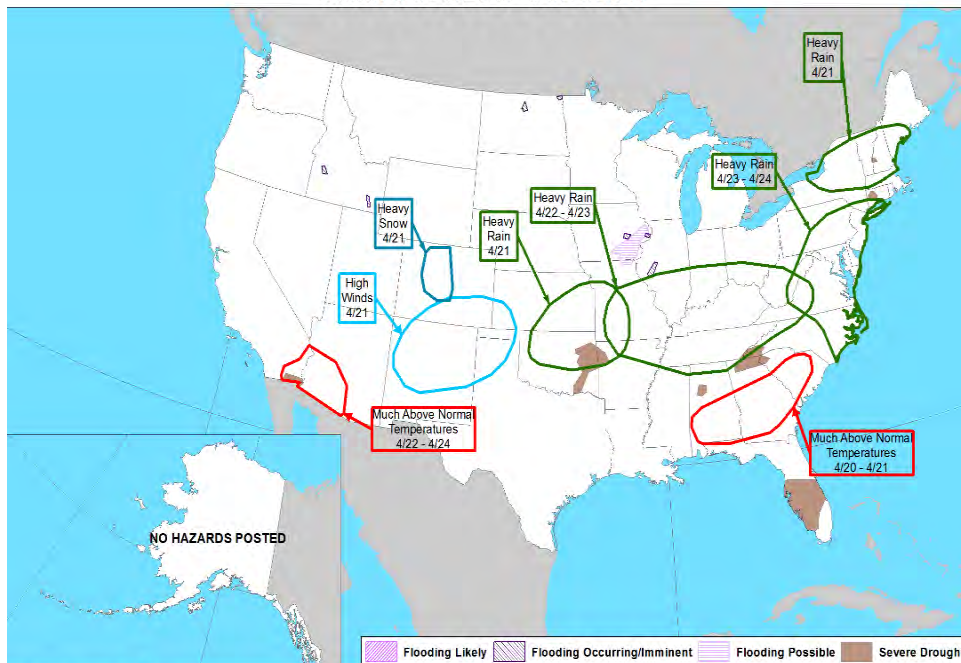
Appalachians, as well as New York to eastern Wyoming. They will also affect the Gulf Coast region of Texas and Louisiana, as well as southern Florida. Severe storms are possible from Kansas to northern Illinois, with high winds, heavy rain, and large hail being the biggest concerns. A rain and snow mix is possible from northern Great Lakes westward to northern Minnesota, with rain predicted for Dakotas and eastern Montana. A weak area of instability will persist across the Northwest, with rain and snow in the central Rockies and from the Sierra Nevadas to the Cascades. Light to moderate rain will fall along the west coast from Washington State to central California, as well as northwest Utah and eastern Washington.



## Weather Hazard Assessment

### Day 3-7 U.S. Hazards Outlook

Valid: 04/20/2017-04/24/2017



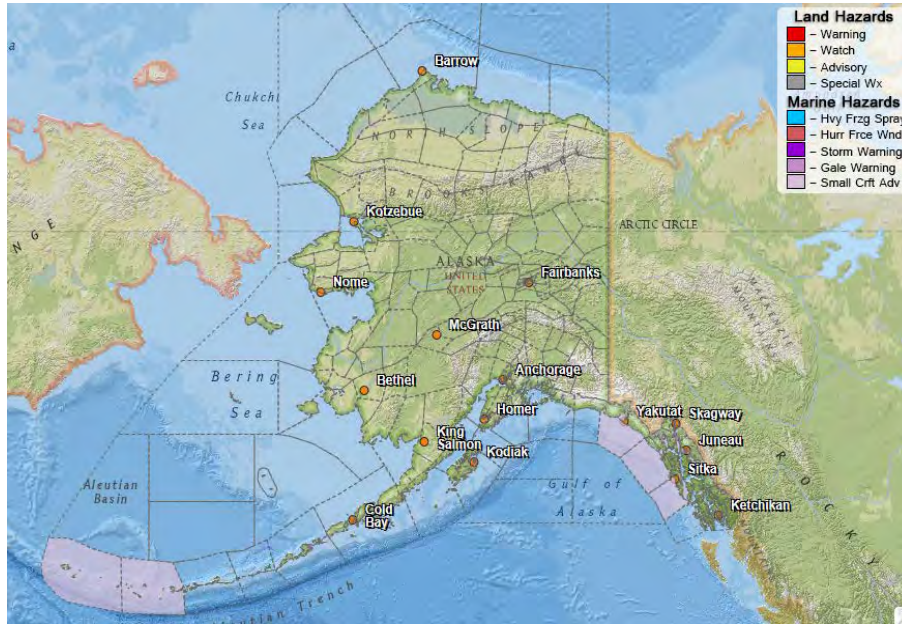
National Weather Service  
Climate Prediction Center  
Made: 04/17/2017 3PM EDT

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[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

- April 18: Severe Drought across parts of Arizona, California, the southern Great Plains, the Ozarks, the eastern U.S, and Hawaii.
- April 18: Flooding is occurring, imminent, or possible for parts of Idaho, North Dakota, and the Midwest.
- April 20-21: Much above-normal temperatures for parts of the southeastern U.S.
- April 21: Heavy rain for parts of the Northeast.
- April 21: High winds for parts of the southern Rockies and the central and southern High Plains.
- April 21: Heavy snow for the higher elevations of the Colorado Rocky Mountains.
- April 21: Heavy rain for parts of the central and southern Great Plains and the Ozarks.
- April 22-23: Heavy rain shifting eastward across the lower to middle Mississippi Valley, the Ohio and Tennessee valleys, and the central and southern Appalachians.
- April 22-24: Much above-normal temperatures for portions of the Southwest.
- April 23-24: Heavy rain for parts of the mid-Atlantic and the Northeast.
- April 25: Moderate risk of much above-normal temperatures for portions of the Southwest.
- April 25-26: Slight risk of much above-normal temperatures for portions of the Southwest.

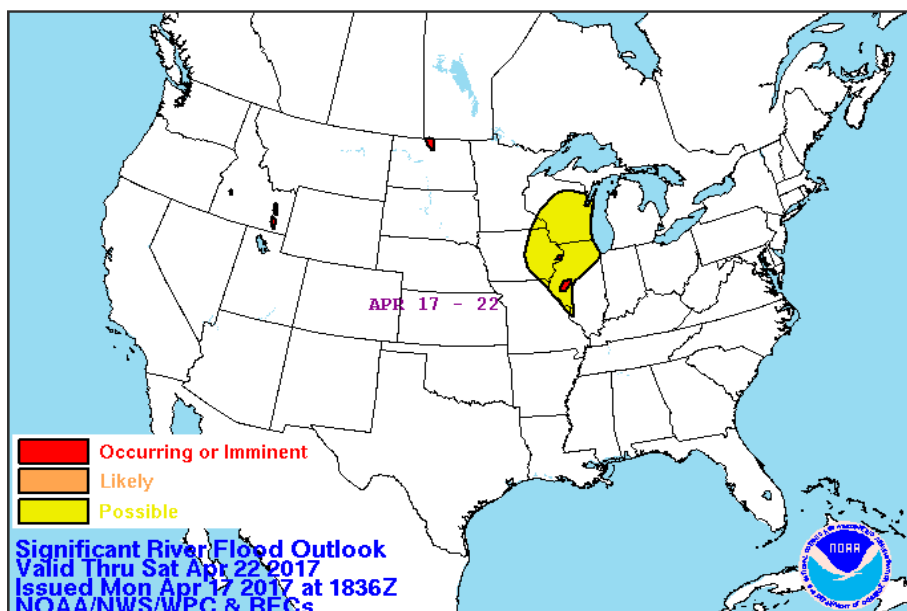
## Alaska Weather

A Small Craft Advisory is in effect today for the western Aleutian Islands and from Icy Cape to Cape Decision in the Gulf of Alaska.

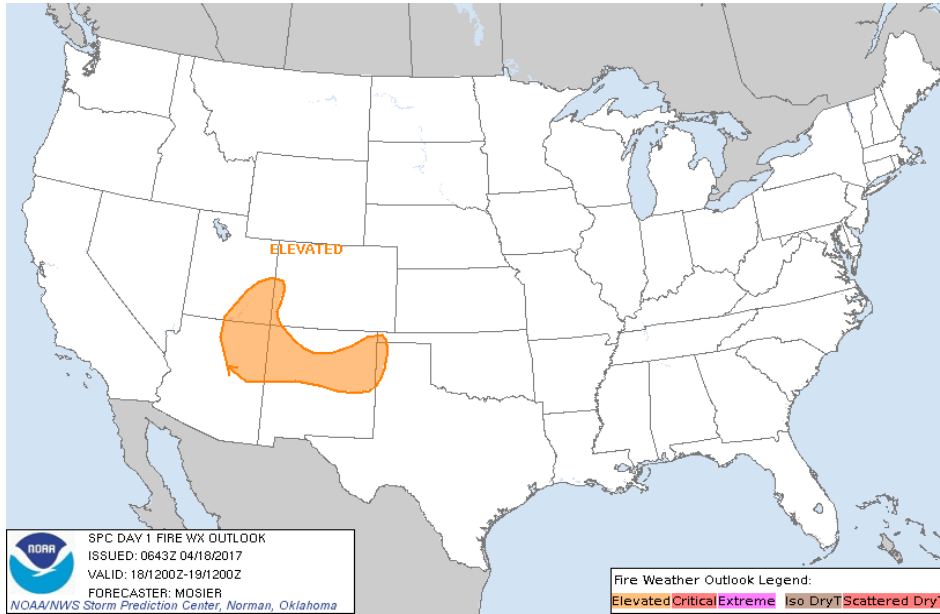


## Significant River Flooding

Significant River Flooding is occurring in southern Idaho, north-central North Dakota, eastern Iowa, and west-central Illinois. Significant River Flooding is possible in eastern and central Iowa, northern and western Illinois, northeastern Missouri, southeastern Minnesota, and Wisconsin.



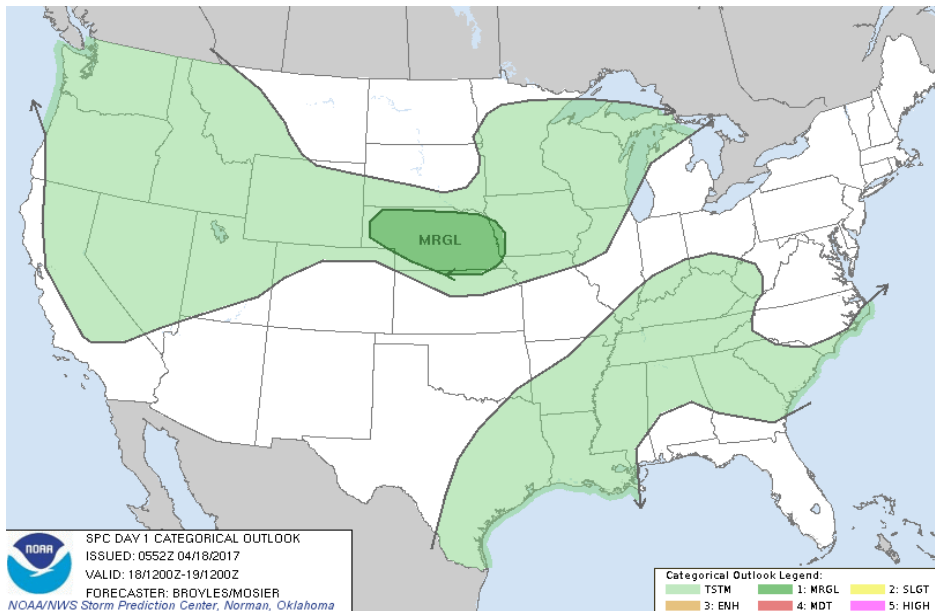
## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for parts of northeastern Arizona, northern and central New Mexico, southwestern Colorado, southeastern Utah, and portions of the Oklahoma and Texas panhandles.

## Severe Weather

There is a Marginal Risk of severe thunderstorm activity today across portions of the central Plains.

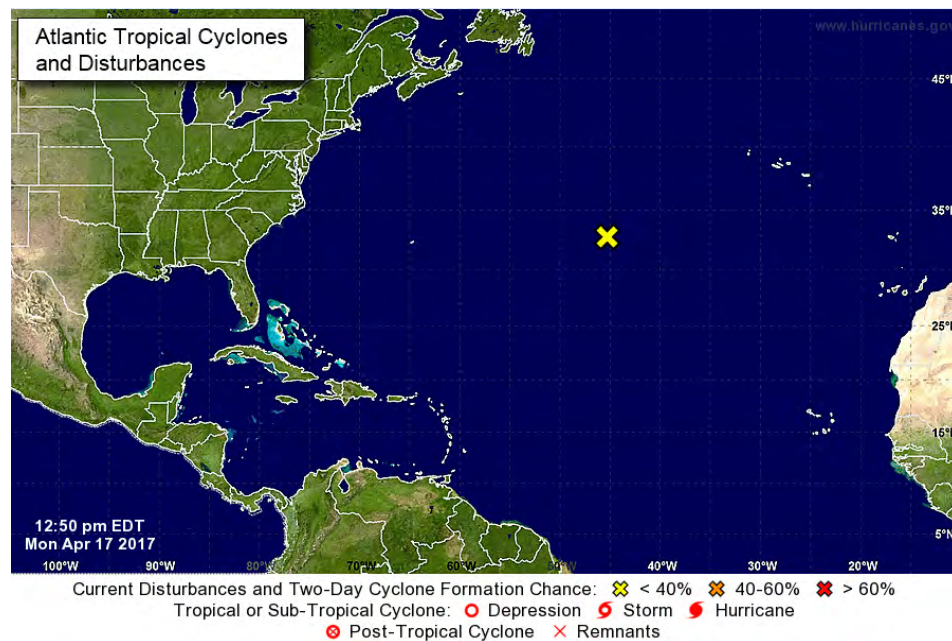


## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center - April 17, 2017



A non-tropical low pressure system, located over the central Atlantic Ocean, is producing an area of gale-force winds to the west of its center. This low is currently producing limited shower activity, but environmental conditions could favor additional development. This system has a 30-percent chance of developing into a subtropical cyclone over the next 48 hours as it moves eastward. The next tropical weather outlook for this system will be issued by the National Hurricane Center later today.

*\*End of Report\**

### **Distribution:**

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EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, April 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 19, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,156 (no change)
- Containment: 55-percent (+3)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 257 (+12) / 90 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: The management of the fire transitioned to a Type-1 IMT on Wednesday morning. Fire activity was moderated during this reporting period by higher relative humidity, lighter winds, and overcast conditions, but a dry air mass is expected to return to the area by the end of the week. Additional perimeter growth is possible over the next several days. The fire continues

to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources.



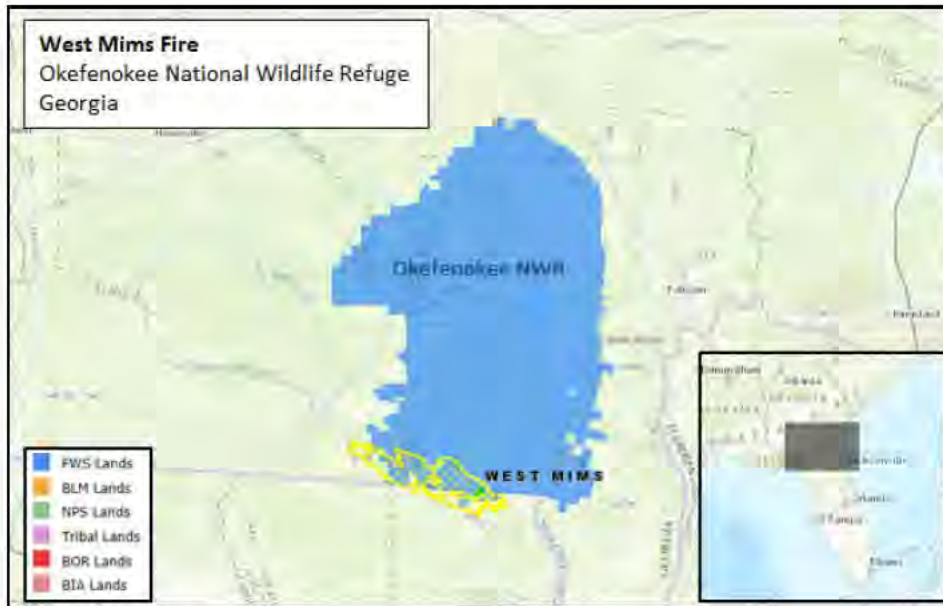
IGEMS Image

## Georgia Fires

### **West Mims Fire**

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 21,790 (+482)
- Containment: 3-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 330 (+65) / 70 (+20)
- Structures Threatened-Single-Mixed Residential/Commercial: 34 / 3 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residential and commercial properties, there are private hunting structures, commercial timber, the Stephen Foster State Park, and three historic sites within the Okefenokee NWR that are threatened. The fire is currently being managed under a combined full suppression (1-percent) and confines (99-percent) suppression strategy. Road closures are in effect in the fire area, and challenges for response personnel include accessibility, dry fuels, hazardous terrain, and high temperatures.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 18, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. The lava lake surface was rising on Tuesday morning, but it remained too far below the floor of the Halema‘uma‘u Crater to be visible from the Jaggar Museum Overlook.

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 18, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in seismic, infrasound, or satellite data of the Bogoslof Volcano during this reporting period. The volcano remains in a heightened state of unrest, and additional explosions could occur with little advance notice. Although the AVO is able to detect energetic explosive activity in real-time, there is typically a lag before they can characterize the magnitude of the event and the altitude of the volcanic cloud. It is possible for low-level unrest, including explosive activity, to occur that the AVO is unable to detect with existing data sources. Such low-level periods of unrest could pose a hazard in the immediate vicinity of the volcano.



## Earthquake Activity

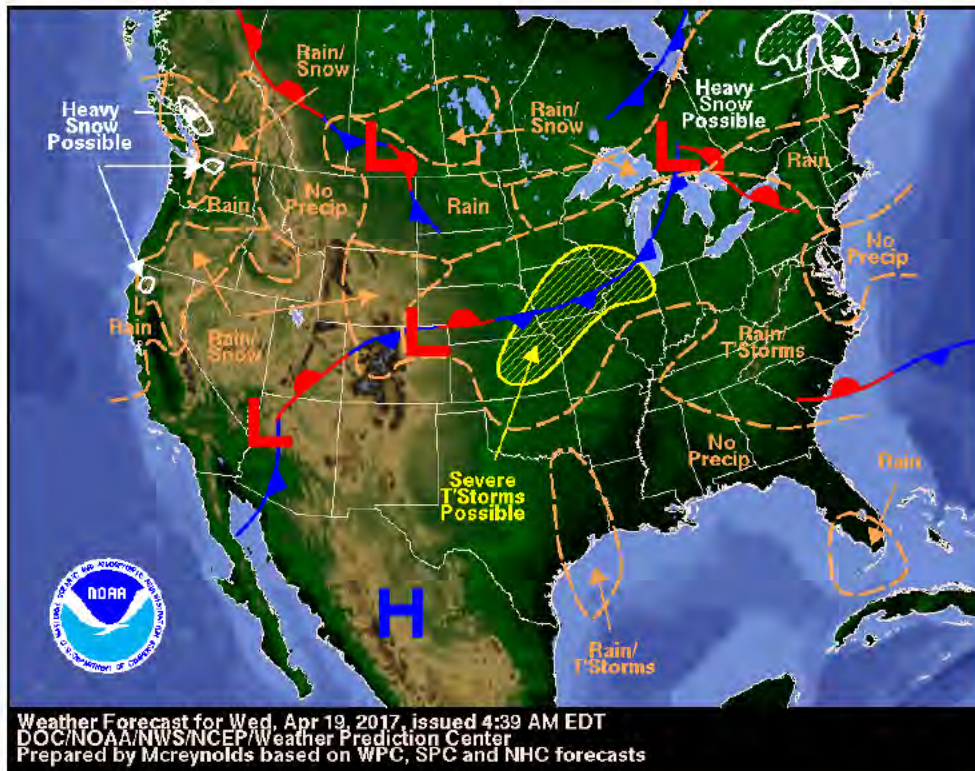
Source: *U.S. Geological Survey – April 18, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.0 earthquake occurred on April 18 at 1:49 p.m. EDT, approximately 76 miles to the north-northwest of Trompeteros, Peru at a depth of 6.6 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages and injuries.

The USGS reported that a magnitude 6.0 earthquake occurred on April 18 at 1:11 p.m. EDT, approximately 150 miles to the east of Levuka, Fiji at a depth of 388 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages and injuries.

## Significant National Weather

Source: *National Weather Service - April 19, 2017*



### **Today:**

An area of rain and snow will extend from northern Minnesota to Maine with heavy snow possible across parts of the Canadian Maritimes. There will be rain possible for portions of the Northeast and New England. Scattered showers and thunderstorms will develop across the central Plains, the Midwest, the southern Great Lakes, the Ohio Valley, the Northeast, portions of the mid-Atlantic, the central and southern Appalachians, and parts of the southeastern Carolinas. Severe thunderstorms capable of large hail, damaging winds, and a tornado or two

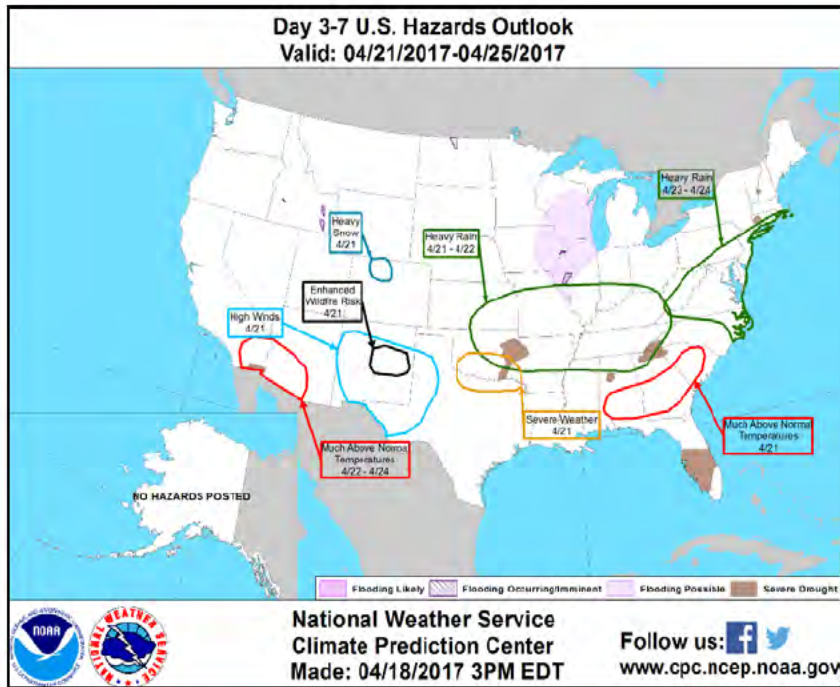
will be possible from the central Plains to the upper Mississippi Valley today into tonight. While rain and thunderstorms are possible for eastern Texas, rain is also likely for parts of southern Florida and portions of the northern Plains. Rain and snow will develop across most of Wyoming and the central Rockies, the northern Sierras and portions of Oregon, Idaho, and the northern Cascades. Elsewhere, rain is expected along the West Coast from Washington to central California and for the interior valleys of Washington and Oregon. Heavy snow is likely for portions of the British Columbia coastal ranges, the Washington Cascades, and the northern Sierras.

### **Tomorrow:**

Rain and snow will stretch from the upper Midwest across the northern Great Lakes into northern New England. There will be rain likely for the coastal sections of New England with additional rain possible for parts of the eastern Dakotas, central Minnesota, and southern Wisconsin. Rain and thunderstorms will develop across the central Plains, the mid-Mississippi Valley, the Ohio and Tennessee valleys, the mid-Atlantic, and the Northeast. Severe thunderstorms capable of damaging winds, large hail, and perhaps a tornado or two will be possible across parts of the southern Great Lakes region into the Ohio Valley Thursday. Farther southwest, severe storms capable of large hail are possible across parts of the southern Plains Thursday night. Heavy rain and possible flash flooding is forecast for portions of upstate New York and for northern Oklahoma. Scattered rain and thunderstorms are expected for parts of the lower Mississippi Valley and Florida Panhandle and rain will also continue across southern Florida. Elsewhere, widespread rain and snow are possible across the Rockies, the northern Great Basin, the Inter-mountain Northwest, and the Canadian Rockies. Rain is likely for the coastal regions of Washington, Oregon, and interior valleys of Washington and Oregon.

### **Weather Hazard Assessment**

- April 19: Severe Drought across parts of Arizona, California, the southern Great Plains, the Ozarks, the eastern U.S, and Hawaii.
- April 19: Flooding is occurring, imminent, or possible for parts of Idaho, North Dakota, and the Midwest.
- April 21: Severe weather for parts of the southern Great Plains.
- April 21: High winds for parts of New Mexico and western Texas.
- April 21: Enhanced wildfire risk for parts of New Mexico.
- April 21: Heavy snow for the higher elevations of the Colorado Rocky Mountains.
- April 21: Much above-normal temperatures for parts of the southeastern U.S.
- April 21-22: Heavy rain shifting to the east from the central and southern Great Plains to the middle Mississippi, Ohio, and Tennessee valleys.
- April 22-24: Much above-normal temperatures for portions of the Southwest.
- April 23-24: Heavy rain for parts of the central Appalachians, the mid-Atlantic, and the Northeast.
- April 26: Slight risk of much above-normal temperatures for portions of southwestern Oklahoma and western Texas.



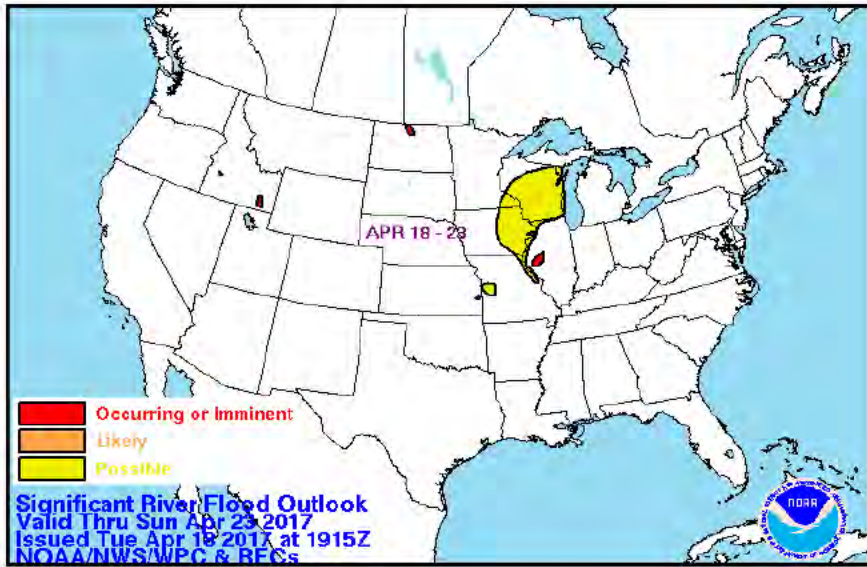
### Alaska Weather



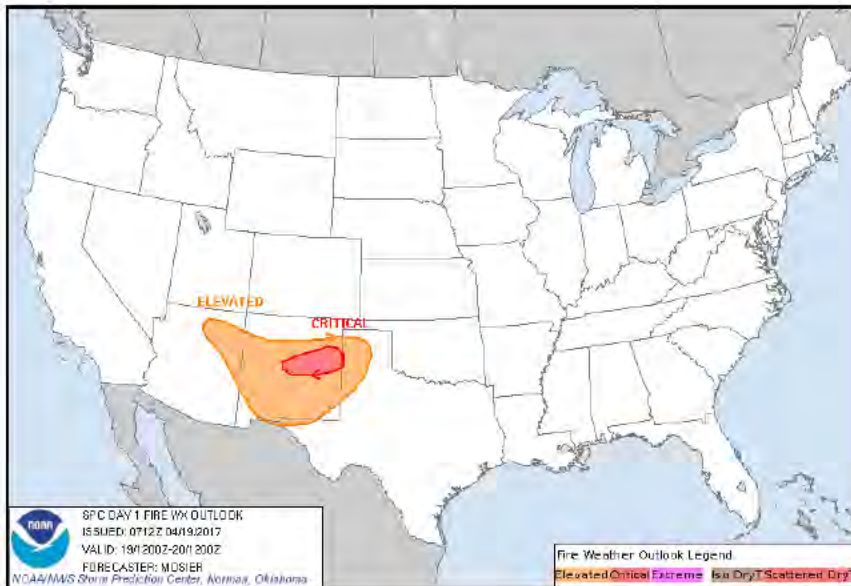
A Small Craft Advisory is in effect for the western Aleutian Islands and from Cape Edgecumbe to Cape Fairweather. A Wind Advisory is in effect for much of central Alaska.

### Significant River Flooding

Significant River Flooding is occurring in southern Idaho, north-central North Dakota, eastern Iowa, and west-central Illinois. Significant River Flooding is possible in eastern and central Iowa, northern and western Illinois, northeastern and western Missouri, southeastern Minnesota, eastern Kansas, and Wisconsin.

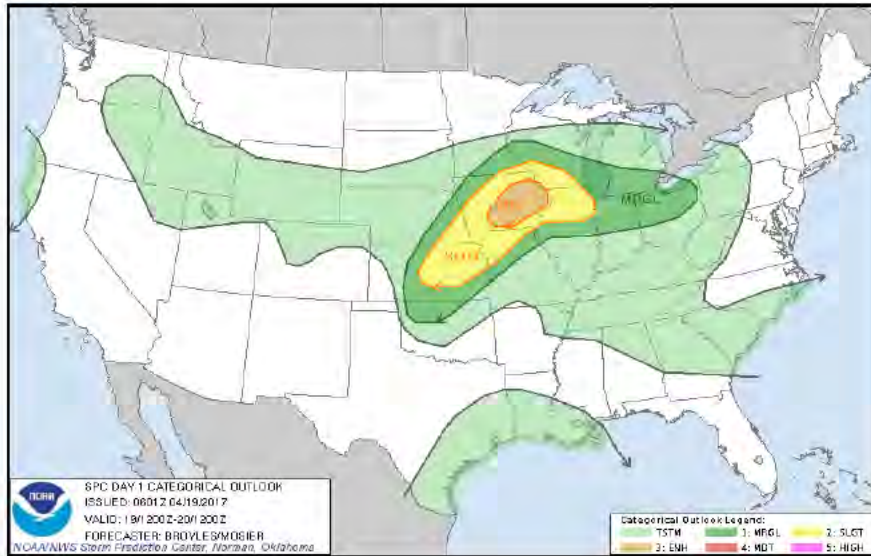


### Fire Weather



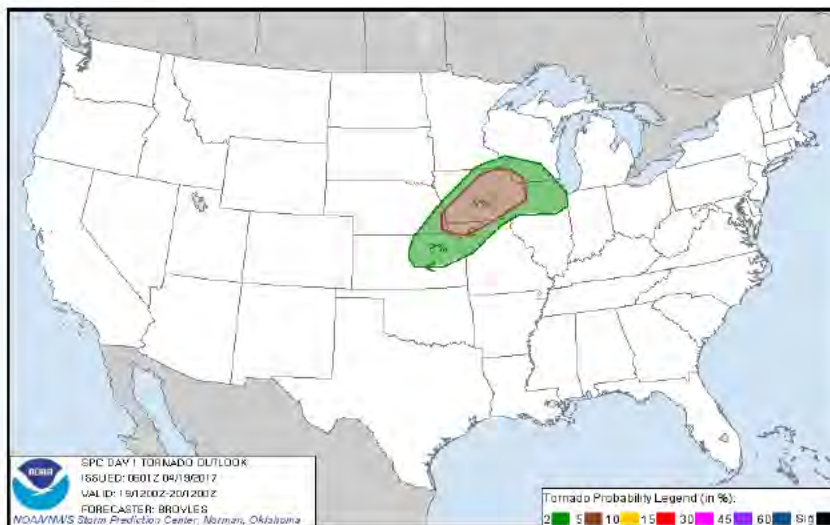
There is Critical Fire Weather forecast for east-central New Mexico. There is Elevated Fire Weather forecast for northeastern Arizona, New Mexico, and parts of western and northern Texas.

## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today across portions of Iowa and southwestern Wisconsin. There is a Slight Risk of severe thunderstorm activity across parts of the central Plains, the middle Missouri Valley, and the middle and upper Mississippi Valley. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area and extending into eastern Ohio.

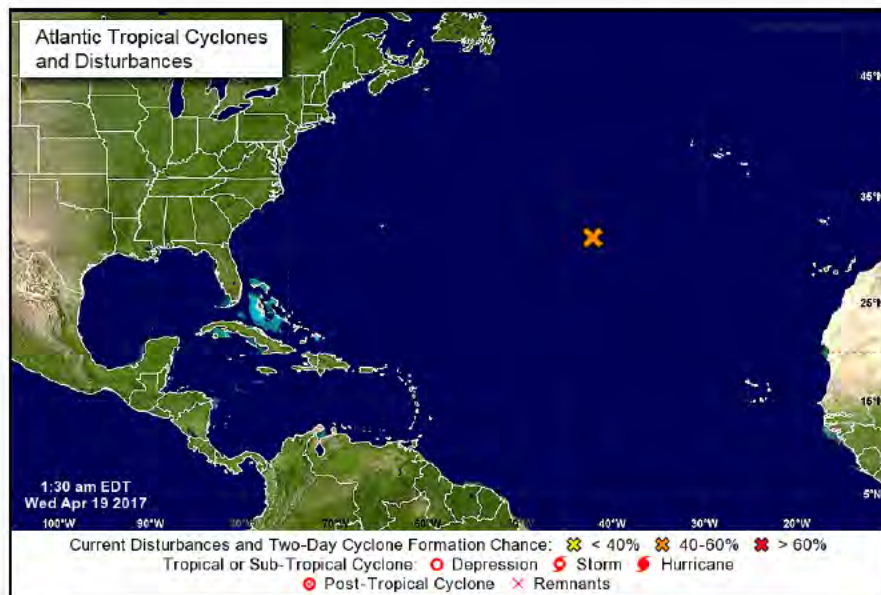
## Tornado Weather



There is a 2 to 5-percent chance of tornado activity today from northeastern Kansas to southwestern Wisconsin and northern Illinois.

## **Tropical Weather Activity**

**Source:** *National Weather Service/National Hurricane Center - April 18, 2017*



A non-tropical low pressure system is located over the central Atlantic Ocean, more than 700 miles southwest of the Azores. Showers and thunderstorms have become better organized since yesterday, and winds to near gale force strength have developed around the storm's center. This system has a 50-percent chance of developing into a subtropical cyclone during the next day or so before it becomes absorbed by a larger extra-tropical cyclone on Thursday.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
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EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, April 21, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 21, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,815 (no change)
- Containment: 55-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 258 (+20) / 84 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Moderate fire activity was observed during this reporting period. Additional perimeter growth is possible over the next several days. The fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources.



IGEMS Image

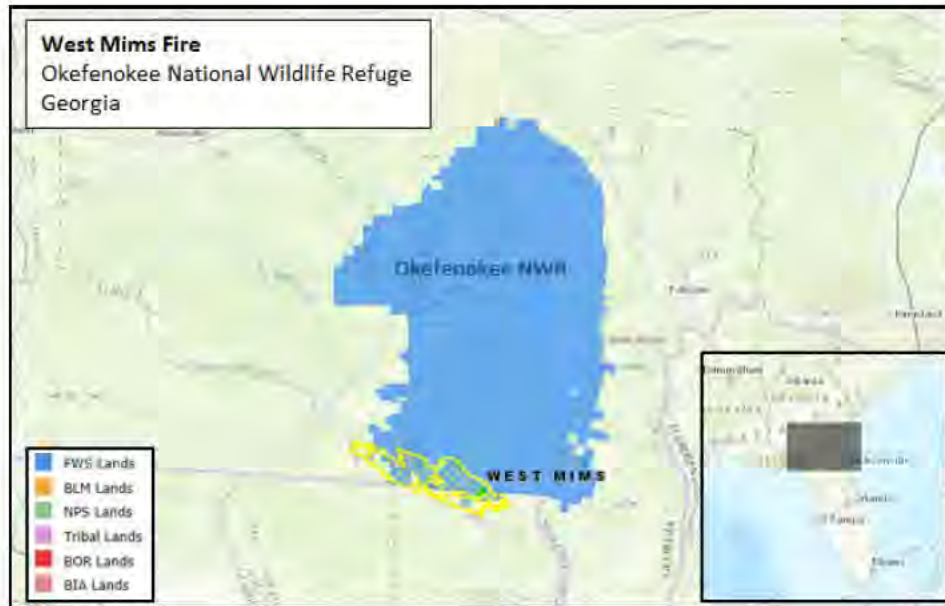
## Georgia Fires

### West Mims Fire

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 25,464 (+2,854)
- Containment: 3-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 385 (+29) / 85 (+9)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (no change) / 3 (no change)
  - Evacuations / Sheltered in place: 0 / 0 (no change)
  - Civilian Injuries / Fatalities: 0 / 0 (no change)
  - Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
  - Containment Date: November 1

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residential and commercial properties, there are private hunting structures, commercial timber, the Stephen Foster State Park, and three historic sites within the Okefenokee NWR that are threatened. The fire is currently being managed under a combined full suppression (1-percent) and confine (99-percent) suppression strategy. Road closures are in effect in the fire area, and challenges for response personnel include accessibility, dry fuels, hazardous terrain, and high temperatures.





IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at the summit and at Pu'u 'Ō'ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remain active above the pali near Pu'u 'Ō'ō. These flows pose no threat to nearby communities.

## Significant National Weather

*Source: National Weather Service - April 21, 2017*

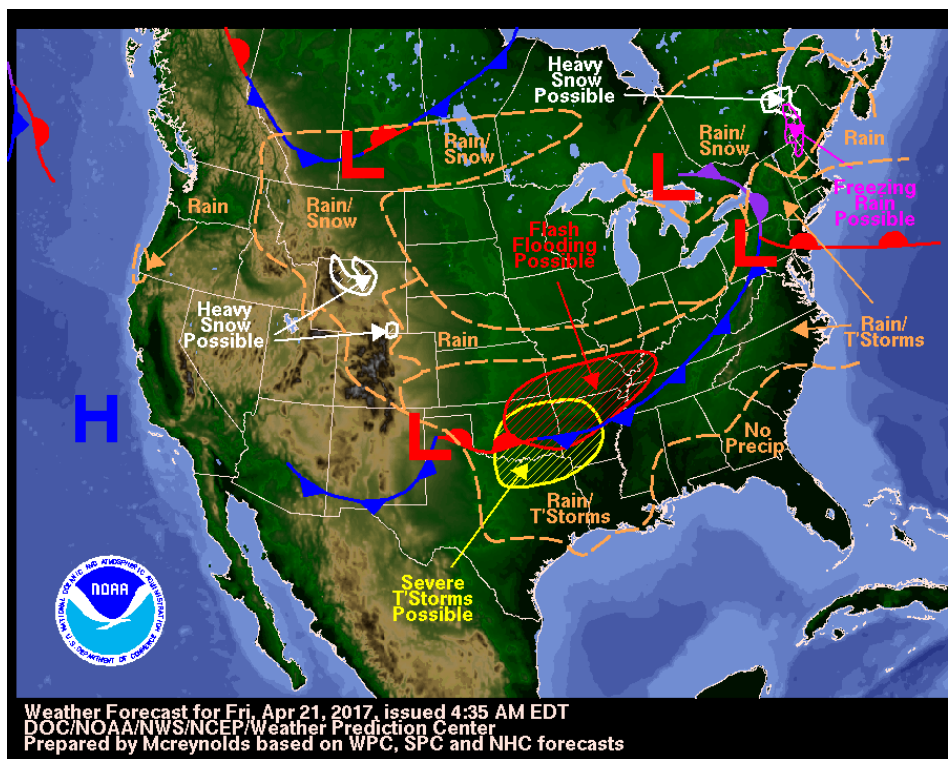
### **Today:**

A pair of low pressure centers will move through the Great Lakes and Northeast. A frontal boundary will extend from them through the Northeast and central Appalachians through the Tennessee Valley to a wave of low pressure over the Texas Panhandle. Rain and thunderstorms will develop from the central and southern Plains across the Tennessee Valley to the mid-Atlantic and Northeast. Several clusters of severe thunderstorms may evolve across parts of the southern Plains into the Ozark Plateau, posing a threat for large hail, damaging winds, and perhaps a couple tornadoes. Isolated severe thunderstorms may also impact portions of the mid-South into the mid-Atlantic with a threat for hail and gusty winds. Heavy rain is expected to develop from central Oklahoma and southeast Kansas eastward to the lower Ohio River Valley. There is a slight risk for flash flooding. Rain and snow will stretch from the eastern Great Lakes to northern New England and the Canadian Maritimes. Freezing rain and heavy snow are

possible for portions of northern Maine. A thin band of rain will extend from the west-central Plains eastward to the Midwest. Rain and snow will develop across the Rockies, most of Montana, and the lower Canadian Plains. Heavy snow is possible for the Tetons, Big Horn, and Medicine Bow mountains of Wyoming. Spotty rain showers possible for the coastal regions of southwest Oregon and northwest California.

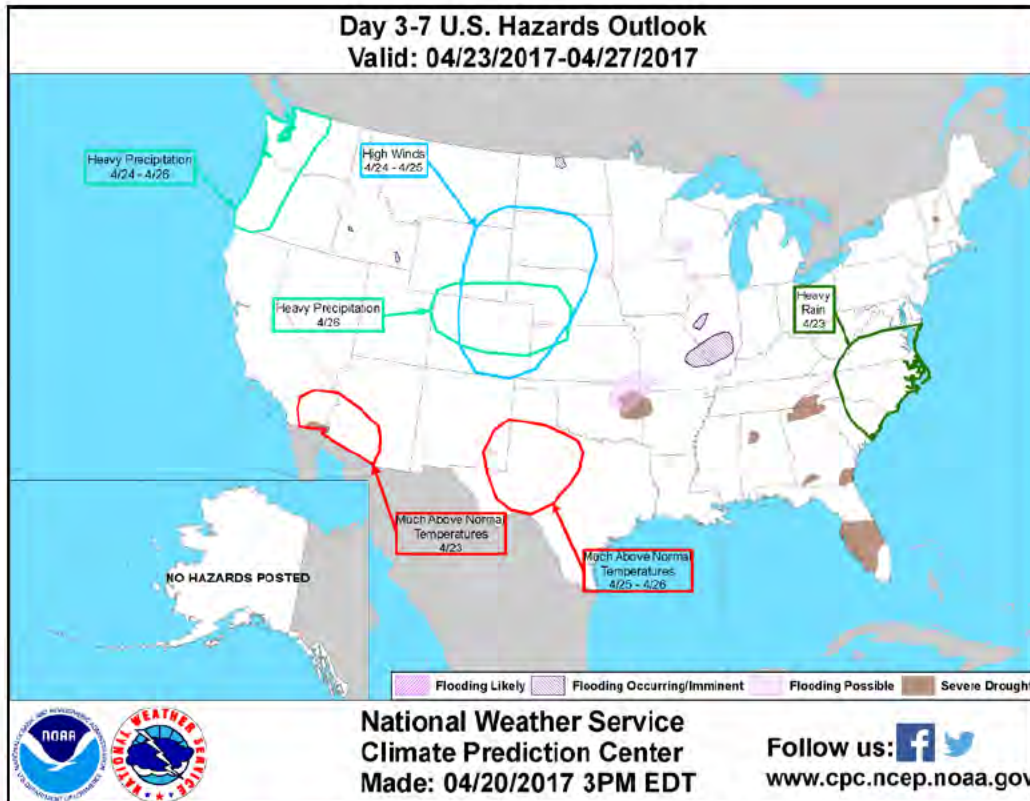
**Tomorrow:**

An area of low pressure will move from the Northeast into the Atlantic. A frontal boundary will stretch from it back into the Carolinas continuing to the lower Mississippi Valley and south Texas. Rain and thunderstorms will develop from east Texas across the lower Mississippi Valley to the Carolinas. Thunderstorms producing isolated large hail and wind damage are possible across parts of central and northern Mississippi on Saturday. Other marginally severe thunderstorms with strong wind gusts and hail are possible across parts of the Tennessee Valley eastward into North Carolina. Heavy rain will develop over portions of the southern Appalachians creating a slight risk for flash flooding. Additional showers and thunderstorms will develop across the southern Florida Peninsula. A narrow band of rain will stretch from central Missouri across the Ohio Valley to the central mid-Atlantic. Rain and snow will stretch from the northern High Plains east across the northern Great Lakes into New England. More rain and snow will develop across parts of the far western High Plains.



## Weather Hazard Assessment

- April 21: Severe Drought across parts of Arizona, California, the Southwest, the southern Great Plains, the lower Mississippi Valley, the Tennessee Valley, the Ozarks, the Northeast, the Southeast, and Hawaii.
- April 21: Flooding is occurring or imminent across portions of the middle Mississippi Valley, the northern Plains, the Ohio Valley, and the northern Great Basin. Flooding is possible across portions of the southern and central Plains and the lower, middle, and upper Mississippi Valley.
- April 23: Heavy rain across portions of the Southeast and the mid-Atlantic.
- April 23: Much above normal temperatures across portions of the desert Southwest.
- April 24-25: High winds across portions of the central Rockies and the northern and central Plains.
- April 24-26: Heavy precipitation across portions of the Pacific Northwest.
- April 25-26: Much above normal temperatures across portions of the southern Plains.
- April 26: Heavy precipitation across portions of the central Rockies and the central Plains.
- April 28-29: Heavy rain across portions of the Great Plains and Mississippi Valley.
- April 28-30: Slight risk of much below normal temperatures across parts of the western half of the United States.
- April 28-29: Slight risk of much above normal temperatures for portions of the southern Plains.
- April 28-29: Moderate risk of much above normal temperatures for portions of the southern Plains.
- April 28-30: Slight risk of much below normal temperatures across parts of the western half of the United States.
- April 28-30: Slight risk of much below normal temperatures for portions of the North Slope of Alaska and the northwest coast of Alaska.
- April 28-30: Slight risk of much above normal temperatures for portions of the Southeast and the mid-Atlantic.

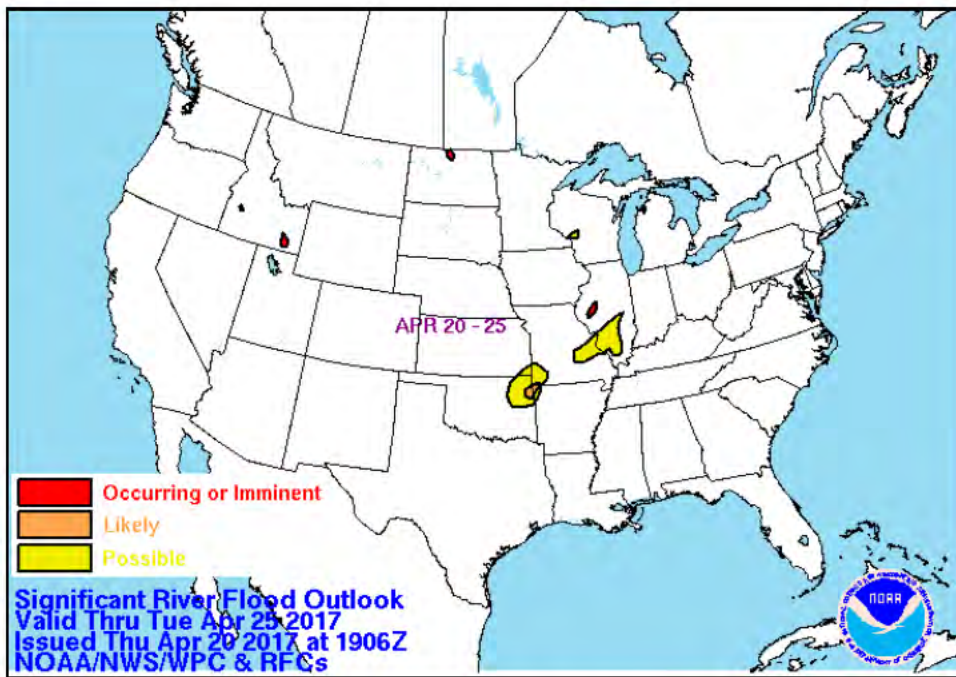


## Alaska Weather

A Gale Warning is in effect for the western and central Aleutian Islands, portions of the Bering sea, the Gulf of Alaska, and from Castle Cape to the Barren Islands. A Small Craft Advisory is in effect for the central and eastern Aleutian Islands, the Pribilof Islands, Bristol Bay, the St. Matthew Island waters, and the central and eastern Gulf of Alaska, from Gore Point to Dixon Entrance.

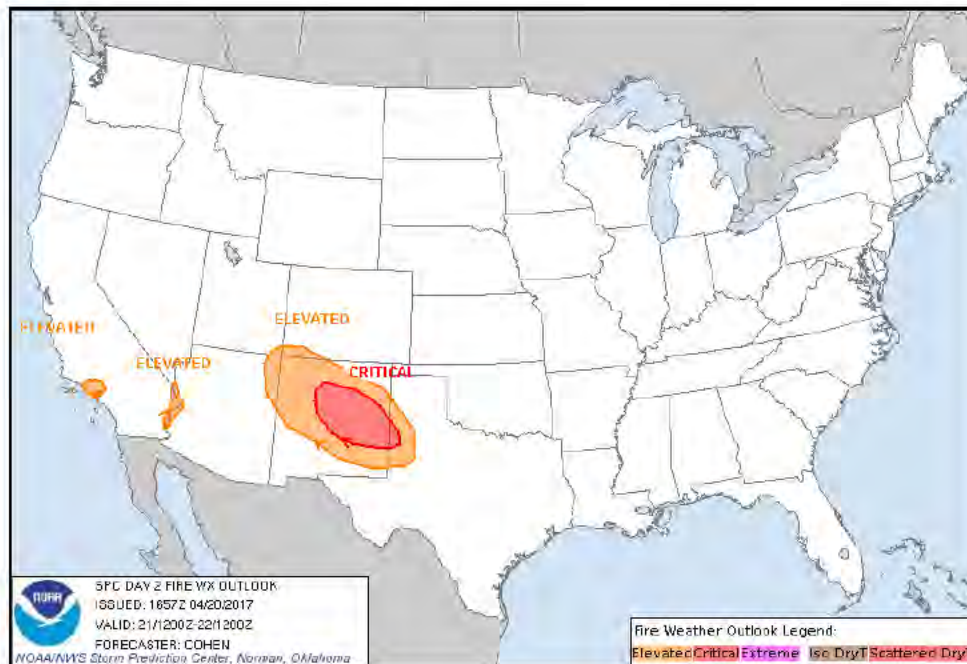


### Significant River Flooding



Significant River Flooding is occurring in western and southern Idaho, north-central North Dakota, and western Illinois. Significant River Flooding is likely or possible in southwestern Illinois, eastern and southwestern Missouri, southeastern Kansas, northeastern Oklahoma, and western Wisconsin.

## Fire Weather



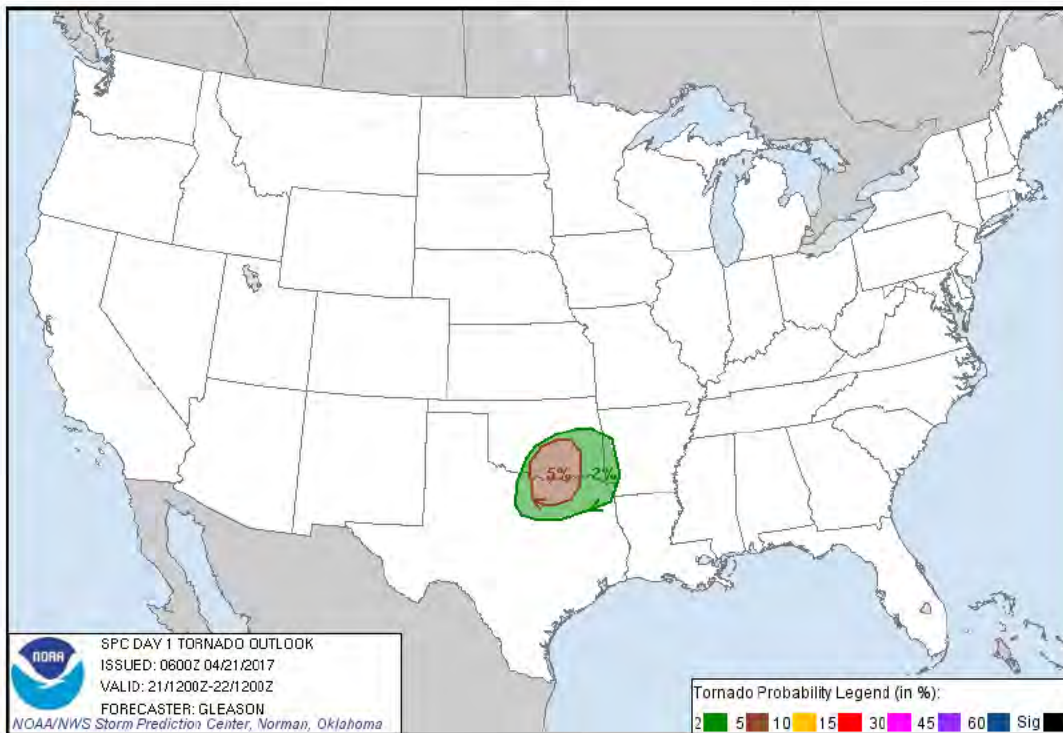
There is Critical Fire Weather forecast for portions of central and east-central New Mexico, and western Texas. There is Elevated Fire Weather forecast for a larger area surrounding the critical forecasted areas in Arizona, New Mexico, Utah, Colorado, and western Texas. There is also Elevated Fire Weather forecast for southwestern California and along the Nevada, California, and Arizona border.

## Severe Weather

There is an Enhanced Risk of severe thunderstorm activity today across parts of southern Oklahoma and northern Texas. There is a Slight Risk of severe thunderstorm activity across parts of the southern Plains into the Ozarks. There is a Marginal Risk of severe thunderstorms from the southern Plains to the Tennessee Valley and the mid-Atlantic region.



### Tornado Weather



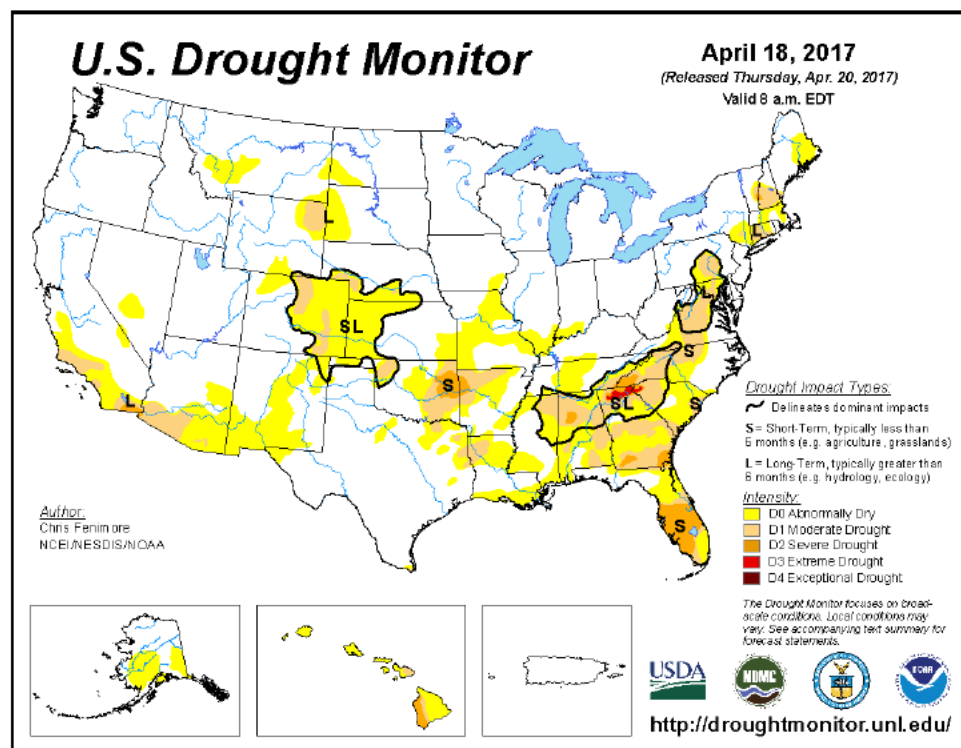
There is a 2 to 5-percent chance of tornado activity today across northeastern Texas, southern Oklahoma, and western Arkansas.

## Other News and Notes

### U.S. Drought Monitor

Source: *National Drought Mitigation Center - April 20, 2017*

An active weather pattern provided above-normal precipitation during the past week in much of the southern Plains, the West, the Northwest, and parts of the Midwest. Below-normal precipitation dominated the Rockies, the Southwest, the Southeast, and the Northeast. Average daytime temperatures were generally above normal across much of the Continental United States with the exception of the Northwest where temperatures were generally 3 degrees cooler than normal. Much of the mid-Atlantic, the Ohio Valley, and the central Plains were 9-12 degrees above normal for the period. Drought conditions expanded and intensified for much of the Southeast where the lack of rains have begun to parch the soils. In the South, Texas continues to see above normal precipitation resulting in a continual decrease in overall area covered in drought. Meanwhile in the West, the onslaught of Pacific storms continue to bring copious amounts of moisture to the region, swelling the reservoirs, threatening snowpack records and padding the record high precipitation amounts.



*\*End of Report\**



**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, April 24, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

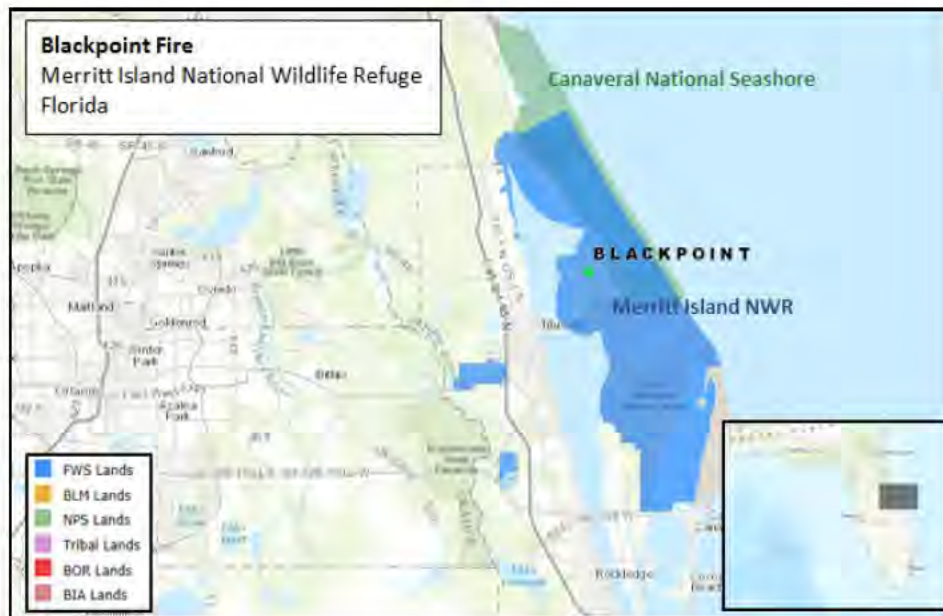
*Source: Fire and Aviation Management Website - April 24, 2017*

## Florida Fires

### **Blackpoint Fire (Initial Report)**

- Start Date: April 21
- Location: Merritt Island National Wildlife Refuge (NWR), FL (USFWS)
- Burned Acres: 4,738
- Containment: 77-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 28 / 27
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: May 6

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is possible over the next 24 hours. There are no residences or businesses threatened, but the fire does have the potential to impact U.S. Fish and Wildlife Service infrastructure, including observation platforms and boardwalks. No additional resources are being requested at this time.



IGEMS Image

## Cowbell Fire

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,742 (-73)
- Containment: 75-percent (+20)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 244 (-14) / 83 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Minimal fire activity was observed during this reporting period, and no additional perimeter growth is expected over the next couple of days. Dry weather will likely return to the area later in the week. Response operations will continue to focus on the protection of private property and infrastructure, Federal facilities, transportation corridors, recreational and cultural sites, and threatened and endangered (T&E) species/habitat.



IGEMS Image

## Georgia Fires

### **West Mims Fire**

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 36,050 (+10,586)
- Containment: 4-percent (+1)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 435 (+50) / 76 (-9)
- Structures Threatened-Single-Mixed Residential/Commercial: 34 (-66) / 3 (no change)
  - Evacuations / Sheltered in place: 0 / 0 (no change)
  - Civilian Injuries / Fatalities: 0 / 0 (no change)
  - Responder Injuries / Fatalities: 3 (+1) / 0 (no change)
  - Containment Date: November 1

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is likely over the next couple of days. In addition to the residential and commercial properties, there are private hunting structures, commercial timber, the Stephen Foster State Park, and several historic sites within the Okefenokee NWR that remain threatened. Residual moisture from a weekend weather system will continue over the region this morning, but the weather is expected to clear by this afternoon. Accessibility remains a challenge for response personnel, and additional resource needs have been identified.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – April 21, 2017

### National Preparedness Level 1

#### National Fire Activity (April 14 - April 20)

Initial attack activity:	676
New large fires:	13
Large fires contained:	18
Uncontained large fires: **	7
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 23, 2017

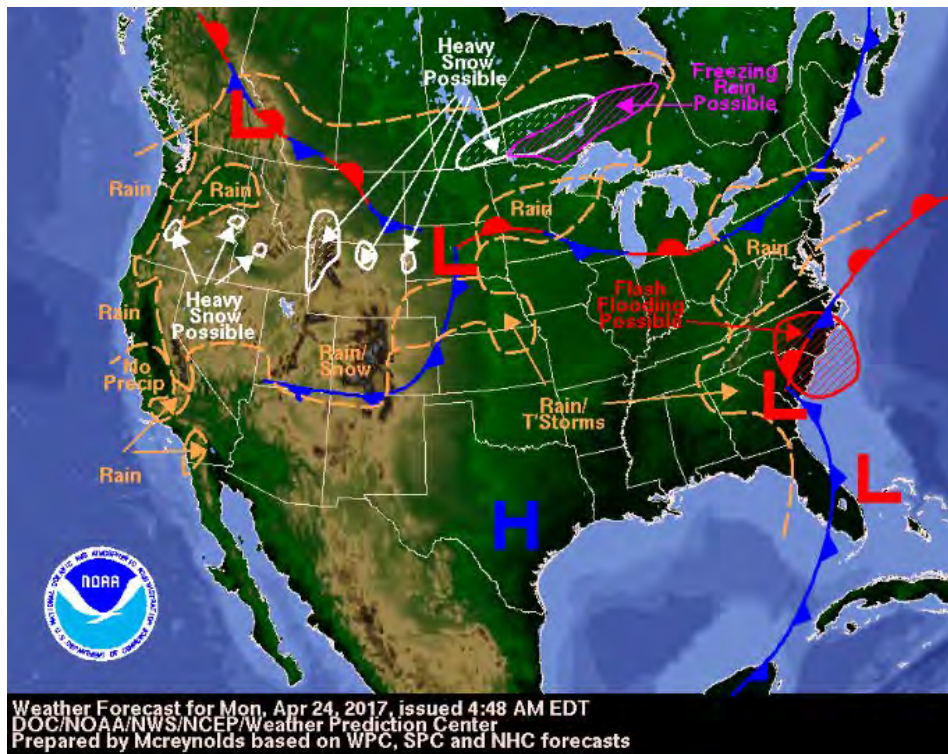
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. At the summit, the lava lake level has not changed significantly over the past several days, remaining about 65 feet below the floor of the Halema‘uma‘u Crater.

## **Significant National Weather**

*Source: National Weather Service - April 24, 2017*



### **Today:**

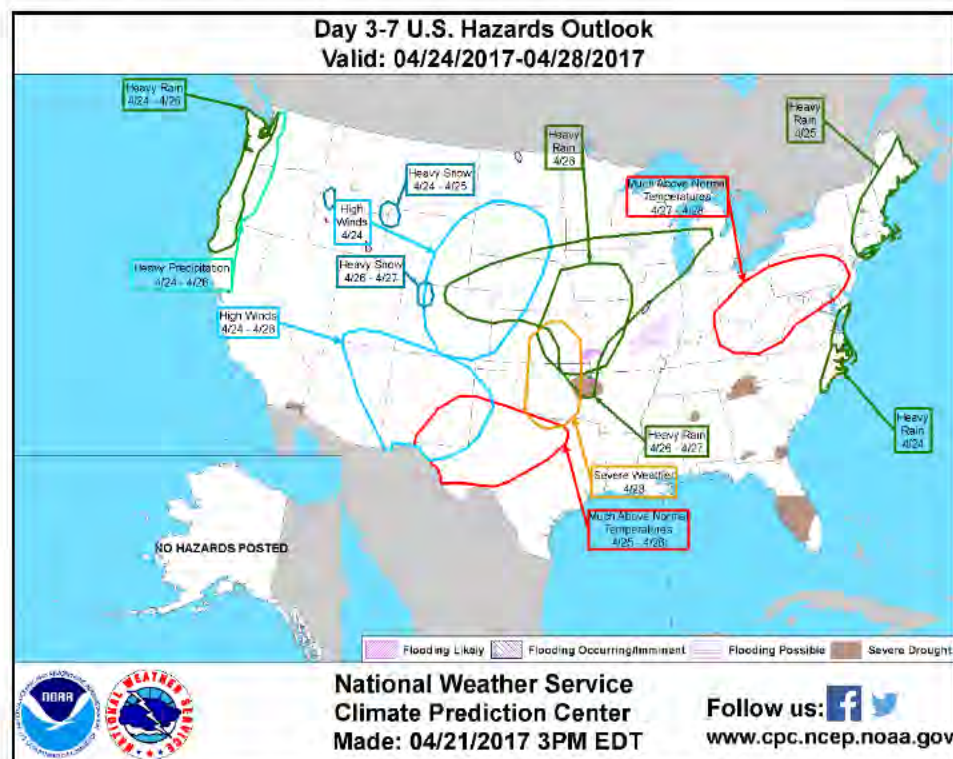
An area of strong low pressure will move across portions of the Southeast and the Carolinas. Rain and thunderstorms will develop across southern Virginia southward across the Carolinas into the Southeast and Florida. Thunderstorms accompanied by at least some severe weather potential will impact the Carolina coastal plain and portions of the adjacent Piedmont. Heavy rain will also be possible for the Carolinas, and the National Weather Service has identified this region as having a slight to moderate risk for flash flooding. Numerous Flash Flood/Flood Watches and Warnings are in effect across this region. To the north, a frontal boundary will extend from the Canadian Maritimes through the Northeast back into the northern Plains to an area of low pressure. Rain is expected across portions of the Northeast, the mid-Atlantic, and the central Appalachians. Rain is also possible across the upper Midwest, while rain and thunderstorms will develop across portions of the central Plains. A large area of scattered rain and snow is possible for the northern High Plains, the Rockies, the intermountain Northwest, and the Great Basin. Heavy snow is possible for the Black Hills, the Big Horns, the Tetons, and spots of Idaho and Oregon. Rain is possible along the West Coast from Washington to central California. More rain is possible for portions of southern California.

### **Tomorrow:**

An area of low pressure will remain over the Carolinas. Rain and thunderstorms are possible for parts of the central mid-Atlantic and the Carolinas. Rain will stretch from the southern Appalachians northward into the Northeast, the eastern Great Lakes, and New England. Rain

and thunderstorms will develop from the western Great Lakes and the upper Midwest to the southern and southwest Plains. Thunderstorms associated with large hail and isolated wind damage are expected to develop across parts of northeastern Oklahoma, southeastern Kansas, and southwestern Missouri tomorrow evening. Rain and snow will develop across portions of the northern upper Midwest, the northern Plains, the Rockies, the northern Great Basin, and the intermountain Northwest. Freezing rain could develop across portions of the northwestern Great Lakes region. Heavy snow is expected once again for the Black Hills and the Tetons. Elsewhere, rain is possible along the West Coast from Vancouver Island to central California, and across the coastal ranges of southern California.

## Weather Hazard Assessment



- April 24: Heavy rain across portions of the mid-Atlantic.
- April 24: High winds across portions of the central Rockies and the entire region of the Plains.
- April 24-25: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- April 24-26: Heavy rain across portions of California and the Pacific Northwest.
- April 24-26: Heavy precipitation across portions of the Pacific Northwest and the northern Great Basin.
- April 25: Heavy rain across portions of the Northeast.
- April 25-26: Much above normal temperatures across portions of the southern Rockies, the southern Plains, and the Southwest.



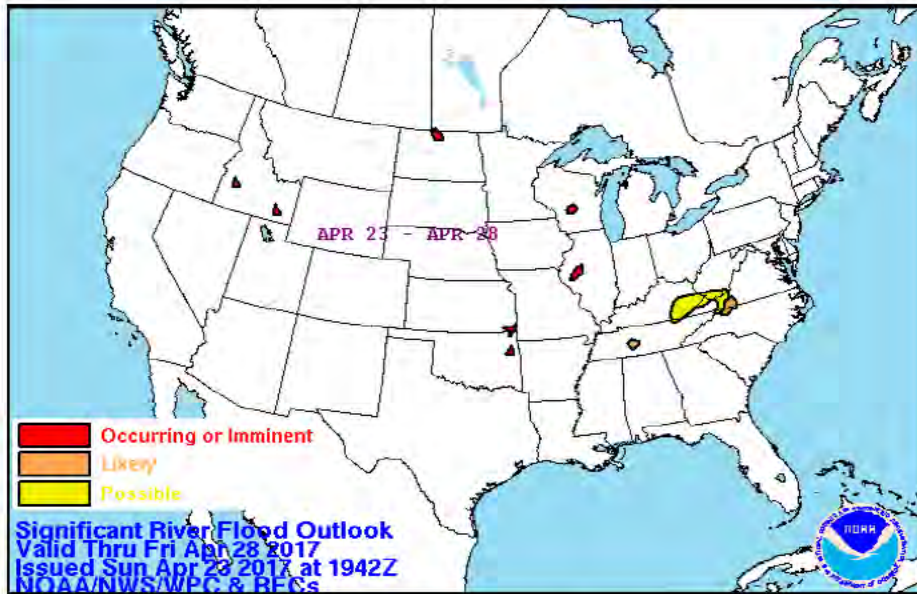
- April 26-27: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the northern Plains, the Great Lakes, the central Rockies, the middle Mississippi Valley, the upper Mississippi Valley, and the southern Plains.
- April 26-27: Heavy snow across portions of the central Rockies.
- April 27-28: Much above normal temperatures across portions of the southern Appalachians, the Great Lakes, the mid-Atlantic, the central Appalachians, and the Ohio Valley.
- April 28: Severe weather across portions of the central Plains and the southern Plains.
- April 28: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the southern Plains, and the upper Mississippi Valley.
- April 29-30: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the Tennessee Valley, the middle Mississippi Valley, the Southeast, the southern Plains, and the Ohio Valley.
- April 29-30: Slight to moderate risk of much above normal temperatures for portions of the Northeast, the central Appalachians, the southern Plains, the mid-Atlantic, the Great Lakes, and the Ohio Valley.

## Alaska Weather



A Small Craft Advisory is in effect today in the western Gulf of Alaska, the Barren Islands, the Aleutian Islands, St. Matthew Island, St. Lawrence Island, and from Dall Point to Wales. A Brisk Wind Advisory is in effect from Wales to Cape Beaufort.

## Significant River Flooding



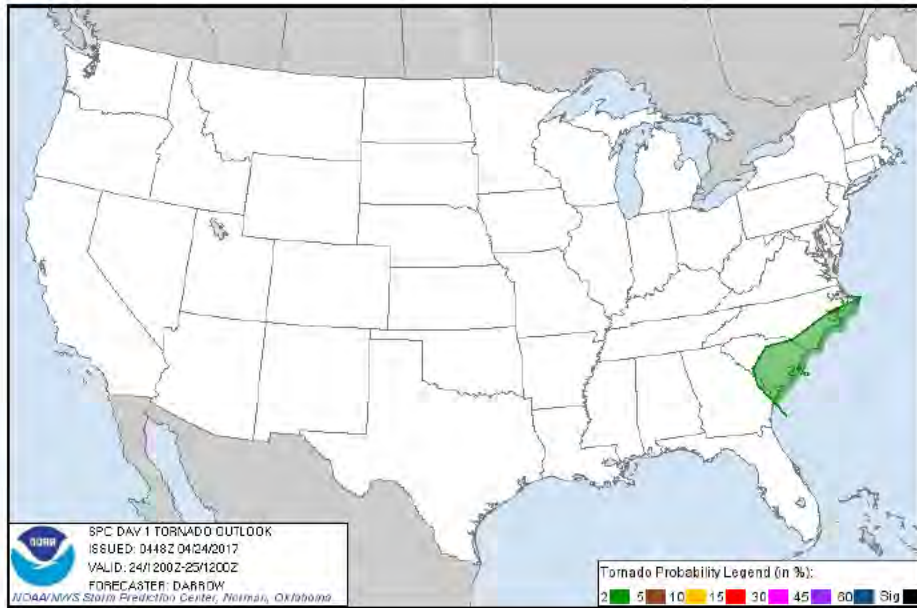
Significant River Flooding is occurring in portions of southern Idaho, north-central North Dakota, central Wisconsin, western Illinois, southeastern Kansas, and northeastern Oklahoma. Significant River Flooding is likely or possible in central Tennessee, southwestern Virginia, northwestern North Carolina, southern West Virginia, and eastern Kentucky.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today across portions of eastern North Carolina, eastern South Carolina, and east-central Georgia.

## Tornado Weather



There is a 2-percent chance of tornado activity today from east-central Georgia to northeastern North Carolina.

## Fire Weather



There is Critical Fire Weather forecast for today from western Texas to central Arizona. Elevated Fire Weather also exists in this area and expands into eastern Arizona, southeastern Utah, northern Texas, and southwestern Colorado.

## **Other News and Notes**

### **Search & Rescue - Grand Canyon National Park, Arizona**

*Source: National Park Service Press Release - April 20, 2017*

On the evening of April 15, the National Park Service (NPS) received an alert from a personal locating beacon in a backcountry area of the Grand Canyon National Park. An Arizona Department of Public Safety (DPS) helicopter flew to the location, and a hiking party reported two of their members missing. On April 16, extensive search efforts began, including ground search personnel, a helicopter and crew, an unmanned aerial system (UAS) and operator, and an inflatable motor raft and search team. Personnel from the Arizona DPS and the Uintah County Sheriff's Office also assisted with search efforts. On April 20, the NPS reduced the scale of the search. The search will continue on a limited and continuous basis, focused on public outreach and search efforts during regular backcountry patrols. The NPS will continue to follow-up and investigate any new information that is received concerning the missing hikers.

***\*End of Report\****

#### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, April 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

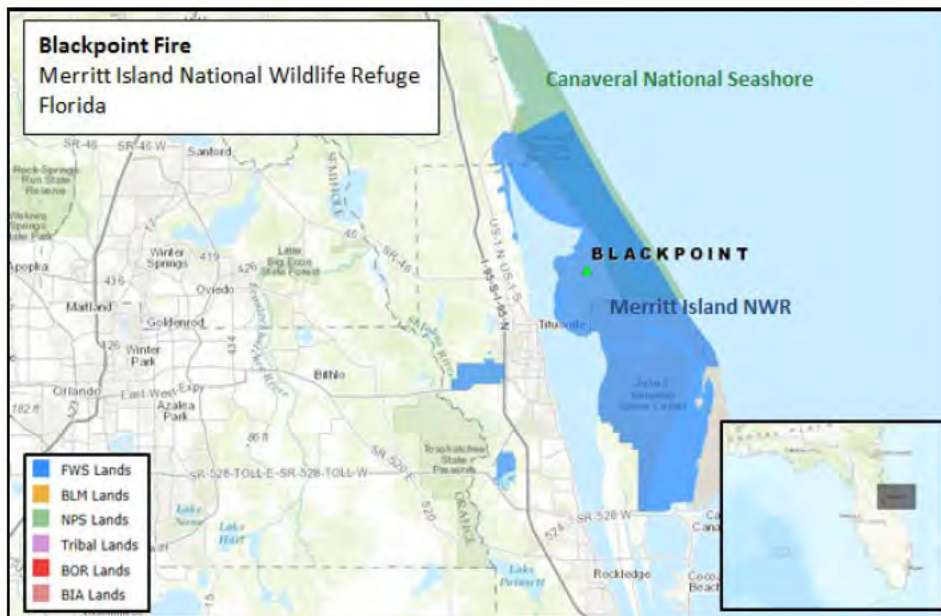
*Source: Fire and Aviation Management Website - April 25, 2017*

### Florida Fires

#### **Blackpoint Fire**

- Start Date: April 21
- Location: Merritt Island National Wildlife Refuge (NWR), FL (USFWS)
- Burned Acres: 4,738 (no change)
- Containment: 80-percent (+3)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 10 (-18) / 10 (-17)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 6

Comments: Drought conditions may cause control problems. Mop up and patrol operations are in effect. There are threats to USFWS Infrastructure including Observation Platforms and Boardwalks. Smoke is impacting the Kennedy Space Center and Titusville. Current resources on scene should be sufficient for suppression efforts.



*IGEMS Image*



*Photo: Patrick Pearson/USFWS*

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)

- Burned Acres: 21,840 (+98)
- Containment: 75-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 245 (+1) / 86 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Minimal fire activity was observed during this reporting period, and no additional perimeter growth is expected over the next couple of days. Dry weather will likely return to the area later in the week. Response operations will continue to focus on the protection of private property and infrastructure, Federal facilities, transportation corridors, recreational and cultural sites, and threatened and endangered (T&E) species/habitat.



IGEMS Image

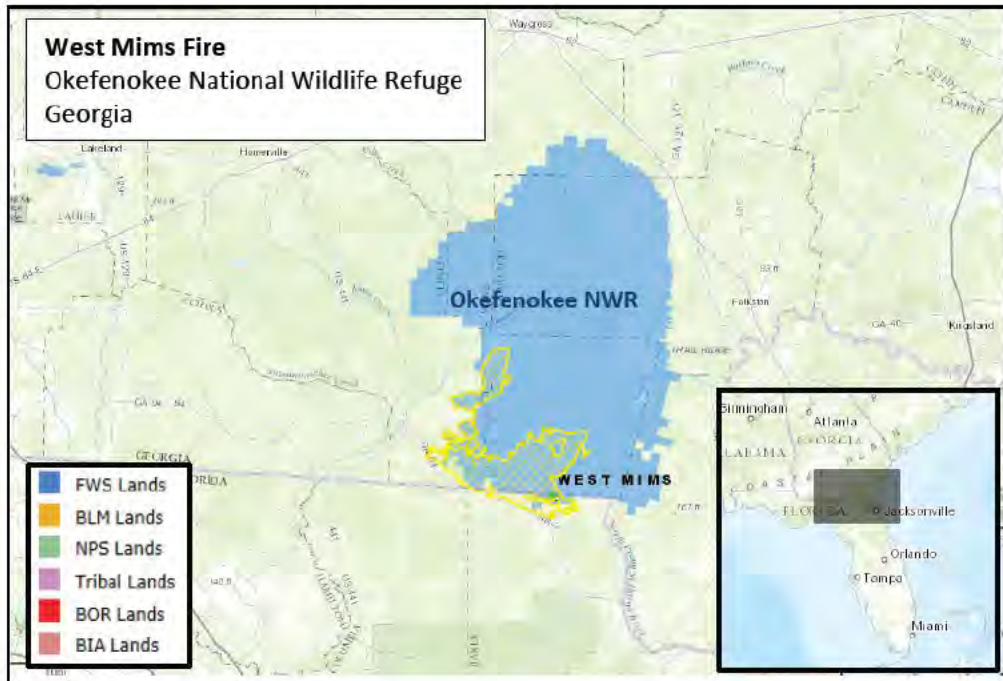
## Georgia Fires

### West Mims Fire

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 48,413(+12,363)

- Containment: 8-percent (+4)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 444 (+9) / 76 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 34 (no change) / 3 (no change)
  - Evacuations / Sheltered in place: 0 / 0 (no change)
  - Civilian Injuries / Fatalities: 0 / 0 (no change)
  - Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
  - Containment Date: November 1

Comments: Cool and moist conditions reduced fire behavior this reporting period. Wind continued to push the fire to the east, but with moderated rates of spread and lower flame lengths. In addition to the residential and commercial properties, there are private hunting structures, commercial timber, the Stephen Foster State Park, and several historic sites within the Okefenokee NWR that remain threatened.



IGEMS Image





Protecting the Chesser Island Homestead within the Okefenokee NWR

*Photo: Terry Dickson - Florida Times Union*

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at the summit and at Pu‘u ‘Ō‘ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remain active above the pali near Pu‘u ‘Ō‘ō. These flows pose no threat to nearby communities.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

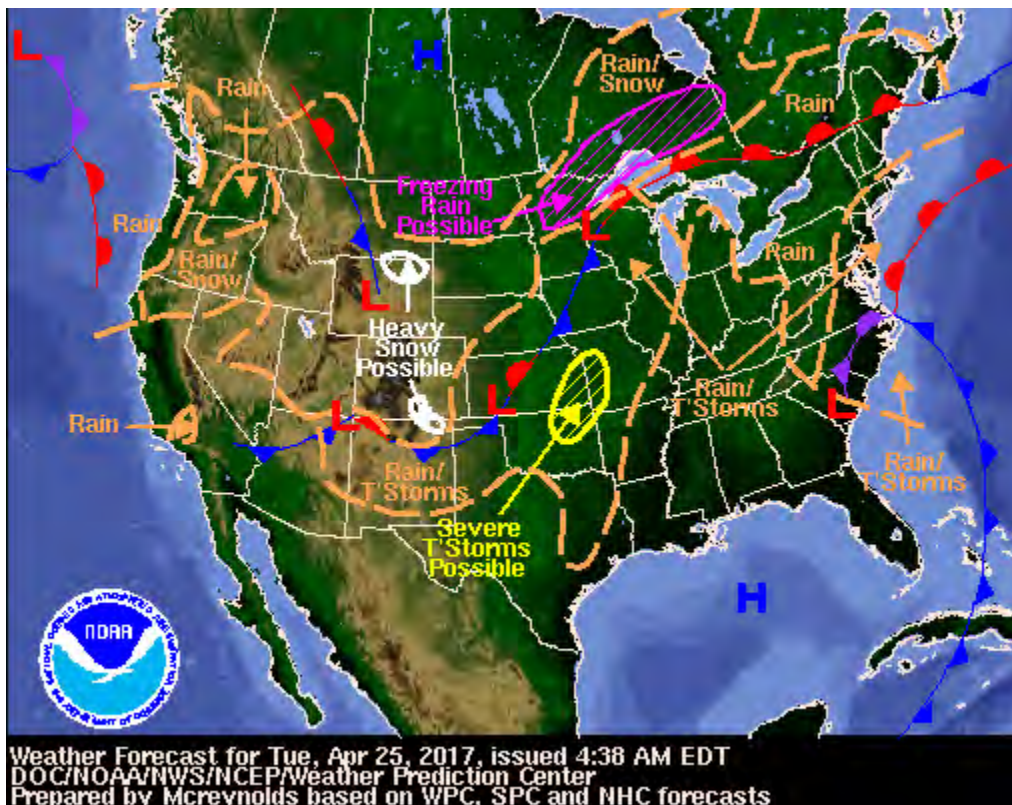
Recent satellite images show a new lava dome being extruded in the summit crater. The dome began growing sometime after the most recent explosion on March 31. By April 23, this mound had grown to 45 meters in diameter with no obvious detectable seismicity. Slightly elevated surface temperatures have been observed in satellite images for the past couple of weeks. The presence of a growing lava dome in the summit crater of Cleveland prompted AVO to raise the Aviation Color Code to ORANGE and the Volcano Alert Level to WATCH.

## **Earthquake Activity**

On April 24, the United States Geological Survey (USGS) reported a magnitude 7.1 earthquake had occurred approximately 23 miles west of Valparaiso, Chile at a depth of 6 miles. The USGS issued a Yellow PAGER Alert, indicating there is a slight possibility of casualties and damage as a result of the earthquake. The United States Tsunami Warning Centers advised there was no tsunami threat locally or to U.S. interests.

## **Significant National Weather**

*Source: National Weather Service - April 25, 2017*



### **Today:**

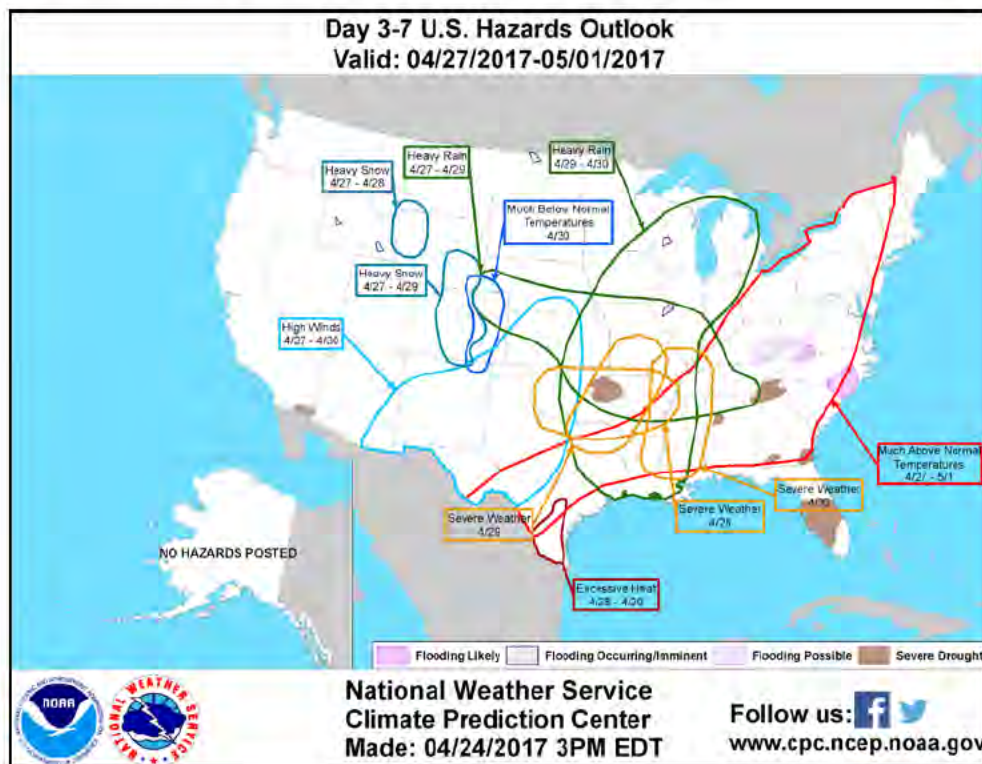
A vigorous area of low pressure will bring rain and thunderstorms from southern New England south through the DELMARVA (Delaware, Maryland and Virginia eastern shore) to northeastern South Carolina. Rain is expected from the southern Appalachians north into the eastern Great Lakes, Northeast, and New England. Rain and thunderstorms will develop from the upper Midwest to the southern Plains and parts of the Southwest. Rain and snow will be widespread from northern Minnesota across the northern Plains to the Rockies/Great Basin and Northwest. Freezing is rain likely for northern Minnesota. Heavy snow is possible for the Big

Horn mountains of Wyoming and Sangre De Cristo mountains of Colorado. Rain is likely for the West Coast from northern California to Washington.

### Tomorrow:

An area of low pressure will move from the Southeast to the mouth of the Chesapeake Bay. Rain and thunderstorms will be possible for Long Island, Rhode Island, Connecticut and the Cape Cod region. Rain is likely for the remainder of New England. Rain and thunderstorms will develop from the Great Lakes to the lower Mississippi Valley and South. Winter weather conditions will exist across the upper Midwest and western Great Lakes. Rain and snow is possible across most of the region with heavy snow possible for northern Minnesota and freezing rain for the western Great Lakes region. Rain is likely for parts of the central and southern Plains, portions of northern California, and along the coastal regions of Oregon and Washington. Rain and snow will continue across the Rockies, the northern Great Basin and the intermountain Northwest.

### Weather Hazard Assessment



- April 27-28: Heavy snow across portions of the northern and central Rockies.
- April 27-29: Heavy rain across portions of the central and southern Plains, the middle and lower Mississippi valleys, and the Ohio and Tennessee valleys.
- April 27-29: Heavy snow across portions of the central Rockies.
- April 27-30: High winds across portions of the Southwest, southern Rockies, and central and southern Plains.

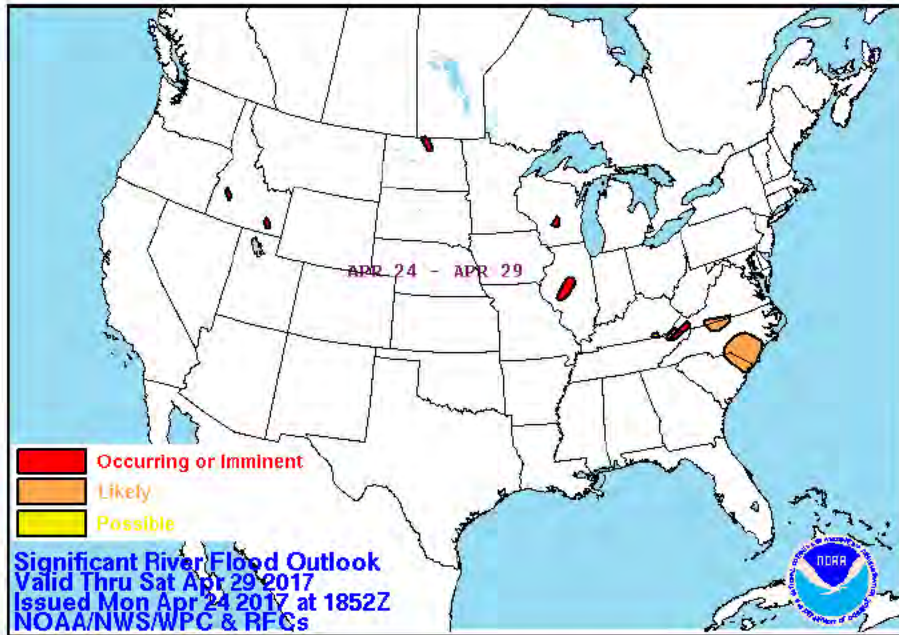
- April 27-May 1: Much above-normal temperatures across portions of the Great Lakes, the mid-Atlantic, the Northeast, the central and southern Appalachians, the Ohio and Tennessee valleys, the southern Plains, and the lower and middle Mississippi valleys.
- April 28: Severe weather across portions of the lower Mississippi Valley and the southern Plains.
- April 28-29: Excessive heat across portions of south Texas.
- April 29-30: Heavy rain across portions of the central and southern Plains, the Mississippi Valley, the Ohio and Tennessee valleys, the Great Lakes, and the Southeast.
- April 30: Much below-normal temperatures across portions of the central and southern Plains.

## Alaska Weather



A Small Craft Advisory is in effect today for most of the Aleutian Islands, St. Matthew Island waters, St. Lawrence Island, Cape Cleare to Gore Point, Icy Cape to Cape Suckling, and from Dall Point to Wales. A Brisk Wind Advisory is in effect from Wales to Point Franklin. A Gale Warning is in effect from Dixon Entrance to Cape Decision.

## Significant River Flooding



Significant River Flooding is occurring in portions of southern Idaho, north-central North Dakota, central Wisconsin, central Illinois, southwestern Virginia, and northeastern Tennessee. Significant River Flooding is likely or possible in northeastern Tennessee, southwestern Virginia, southeastern and northern North Carolina, northeastern South Carolina, and southeastern Kentucky.

## Severe Weather



There is a Marginal Risk of severe thunderstorms from south central Oklahoma to northern Missouri. There is a Slight Risk of severe thunderstorms from northeast Oklahoma to western Missouri.

### **Tornado Weather**

There is less than 2-percent chance of tornado activity today in the U.S.

### **Fire Weather**



There is Critical Fire Weather forecast for today from southern New Mexico into far western Texas. Elevated Fire Weather also exists across southern Arizona, south-central New Mexico, and into west-central Texas.

***\*End of Report\****

### **Distribution:**

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Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, April 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 25, 2017*

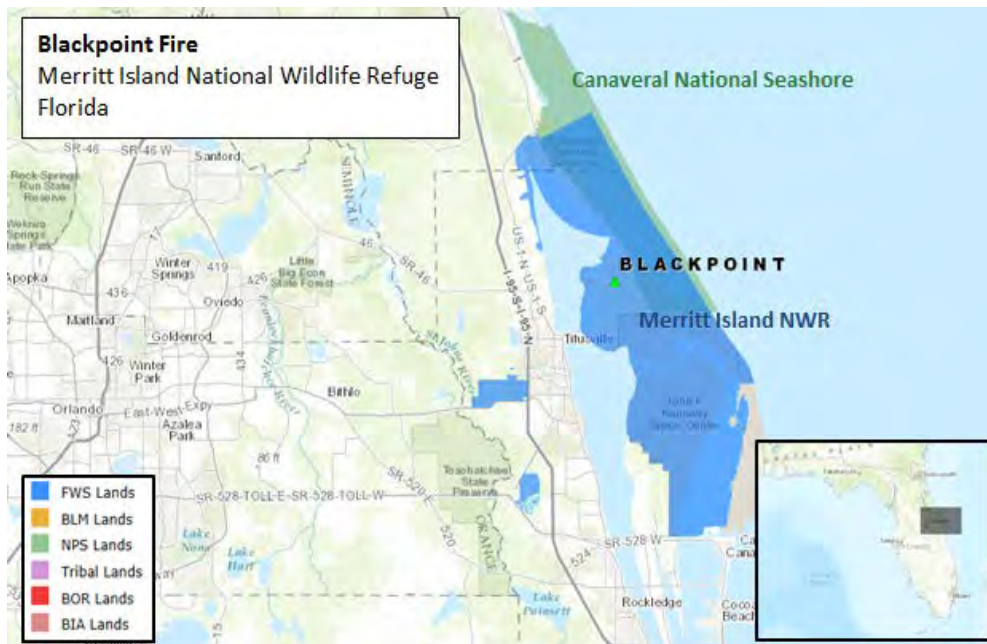
The Cowbell Fire burning in Big Cypress National Preserve in Florida has not been updated and will not be summarized in today's report.

## Florida Fires

### **Blackpoint Fire**

- Start Date: April 21
- Location: Merritt Island National Wildlife Refuge (NWR), FL (USFWS)
- Burned Acres: 4,738 (no change)
- Containment: 95-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 9 (-1) / 9 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 6

Comments: Drought conditions may cause control problems. Mop up and patrol operations are in effect. There are threats to USFWS infrastructure, including observation platforms and boardwalks. Current resources on scene should be sufficient for suppression efforts.



IGEMS Image

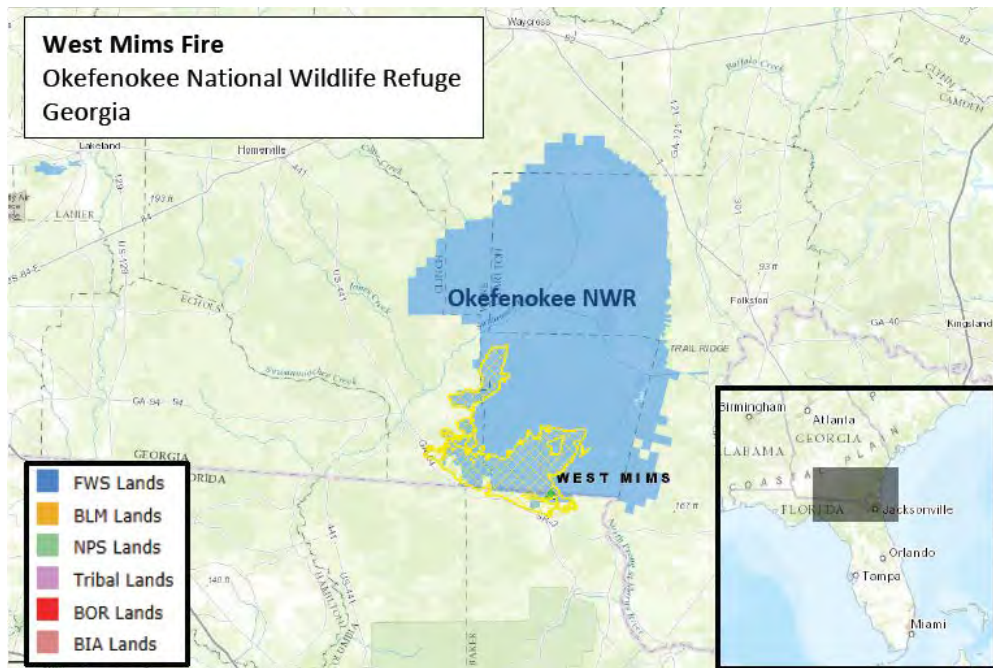
## Georgia Fires

### West Mims Fire

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 59,318 (+10,905)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 472 (+28) / 84 (+8)
- Structures Threatened-Single-Mixed Residential/Commercial: 79 (+45) / 3 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Moderate fire behavior was observed during the reporting period, with the north and southeast corners of the fire progressing to the east-southeast. The fire is flanking towards Moonshine Ridge and Soldier Camp Island. The north end of the fire continues to burn east along the south edge of Honey Island. Work continues to protect high volume timer operations, natural and cultural resources, and endangered species habitat.





IGEMS Image

### **Mid-Atlantic Flood Response Activity**

*Source: U.S. Geological Survey, Regional Water Science Centers – April 25, 2017*

#### ***Virginia and West Virginia:***

U.S. Geological Survey (USGS) crews from the Virginia-West Virginia Water Science Center are closely monitoring the flooding situation across portions of the two-state region. More than five inches of rain in the past two days are causing moderate and major flooding in the Piedmont region of Virginia and the Appalachian Plateaus of Virginia and West Virginia.

Two crews from Richmond, Virginia, two crews from Marion, Virginia, and two crews from Charleston, West Virginia (11 personnel total) were deployed on April 24. The four crews from Marion and Richmond (7 personnel total) were deployed on April 25. All crews are making high flow discharge measurements at active streamgages and crest-stage gages in the Big Sandy, Guyandotte, Kanawha, New, Roanoke, and Dan River basins.

#### ***North Carolina:***

USGS crews from the South Atlantic Water Science Center are closely monitoring the flooding situation across portions of North Carolina. Rainfall totals of more than seven inches in the past two days are causing moderate and major flooding in the Piedmont region of North Carolina. The crew's primary focus is keeping the gaging network operational, since most streamflow ratings were verified during Hurricane Matthew in October 2016. One crew from Raleigh is making high flow measurements at Little River near Zebulon, North Carolina. One three-person crew is in the Yadkin River basin making streamflow measurements. A third crew from Columbia, South Carolina is assisting with gage repairs.

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at the summit and at Pu‘u ‘Ō‘ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remain active above the pali near Pu‘u ‘Ō‘ō. These flows pose no threat to nearby communities.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in satellite, seismic, or infrasound data over the past observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

## **Significant National Weather**

*Source: National Weather Service - April 26, 2017*

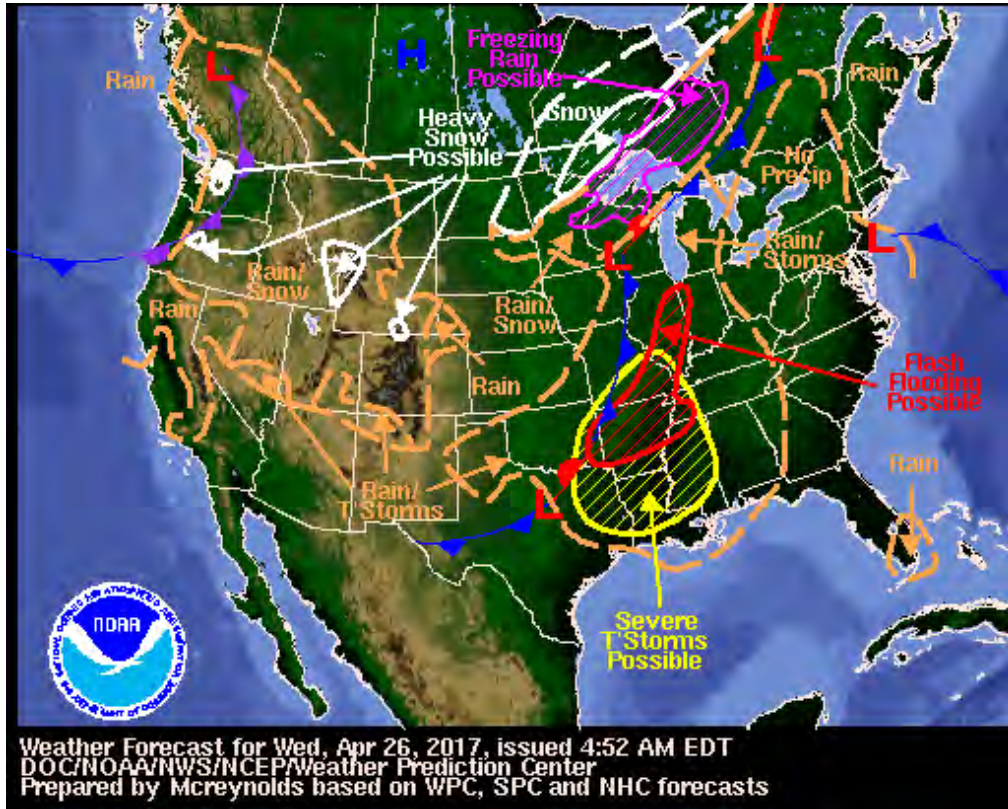
### **Today:**

An area of low pressure will linger just off the New Jersey coast. Rain showers will persist across portions of the Northeast and most of New England. A frontal boundary will extend from eastern Canada across the Great Lakes to the Upper Midwest. Another front will extend from it to central Texas. Rain and thunderstorms will develop from the Great Lakes to the lower Mississippi Valley and southern Plains. Severe thunderstorms are expected across the lower Mississippi Valley today and tonight. Tornadoes, large hail, and damaging winds should focus from northeast Texas across southern Arkansas and northern Louisiana primarily during the afternoon hours. Isolated severe thunderstorms may extend as far north as Illinois and into the central Gulf States during the overnight hours. Heavy rain along with the probability of flooding and flash flooding will extend from Arkansas and immediate surrounding states to northeast Illinois and northwest Indiana. To the north of these systems, winter weather will continue for portions of the upper Midwest, western Great Lakes and northern High Plains. Rain and snow will continue across a large portions of the Rockies, the Northwest and northern Great Basin. Heavy snow is possible for parts of the Cascades and central Rockies.

### **Tomorrow:**

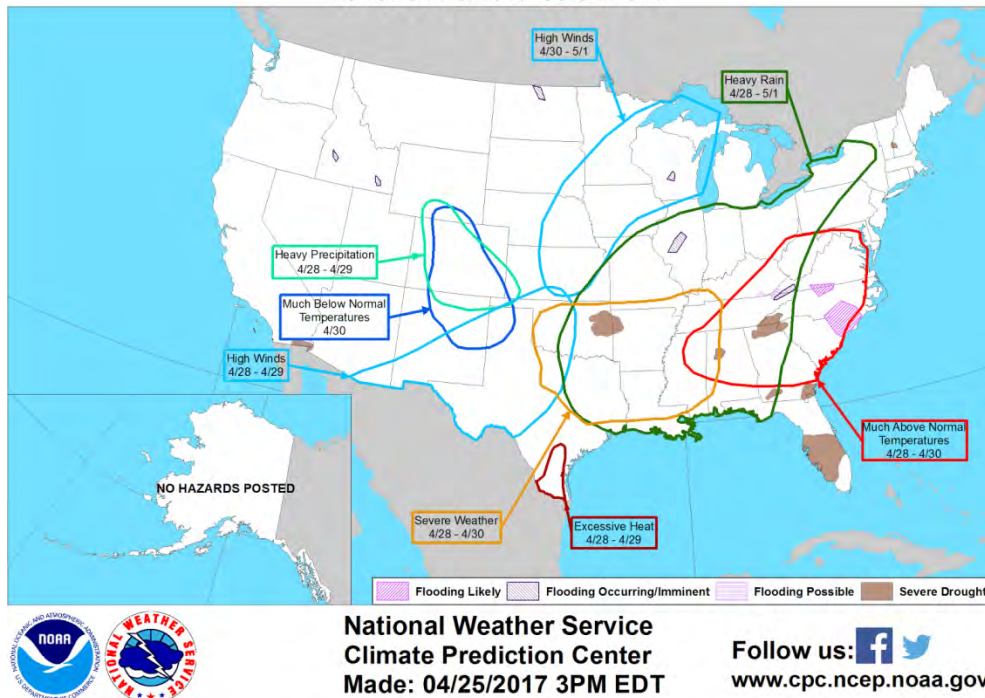
Low pressure will move up the East Coast to Cape Cod. Scattered rain showers are possible across parts of northern New England. Another area of low pressure will move into the central

Great Lakes with an associated cold front dropping south from it into the Deep South to the Gulf of Mexico. Rain and thunderstorms will develop from the eastern Great Lakes south into the Southeast. There is a marginal risk of severe storms capable of isolated damaging wind gusts and hail from the Southeast into the Ohio Valley and Great Lakes. Rain, freezing rain and snow will continue across portions of the upper Midwest and western Great Lakes. A storm system will push out of the central Rockies. Rain and thunderstorms will develop across the central Plains and Mississippi Valley. Rain and snow will continue across the Northwest, the Rockies, the western High Plains and northern Great Basin. Heavy snow is possible for most of Wyoming. Rain will continue along the coastal regions from British Columbia to Oregon.



## Weather Hazard Assessment

### Day 3-7 U.S. Hazards Outlook Valid: 04/28/2017-05/02/2017



- April 26: Severe Drought across the lower Mississippi Valley, the Tennessee Valley, Hawaii, the Northeast, California, the Southeast, the southern Appalachians, the southern Plains, and the Southwest.
- April 26: Flooding possible across portions of the southern Appalachians, the Ohio Valley, and the Tennessee Valley.
- April 26: Flooding occurring or imminent across portions of the northern Plains, the northern Great Basin, the upper and middle Mississippi Valley, the southern Appalachians, the Great Lakes, and the Ohio Valley.
- April 26: Flooding likely across portions of the Southeast and the mid-Atlantic.
- April 28-29: Heavy precipitation across portions of the central and southern Plains and the central and southern Rockies.
- April 28-29: Excessive heat across portions of southern Texas.
- April 28-29: High winds across portions of the southern Rockies, the central and southern Plains, and the Southwest.
- April 28-30: Severe weather shifting eastward across portions of the lower Mississippi Valley, the southern Plains, the Tennessee Valley, and the Southeast.
- April 28-30: Much above-normal temperatures across portions of the central and southern Appalachians, the Ohio and Tennessee valleys, and the mid-Atlantic.
- April 28-May 1: Heavy rain across portions of the central and southern Plains, the middle and lower Mississippi Valley, the Ohio and Tennessee valleys, the central and southern Appalachians, the Northeast, the Southeast, and the Great Lakes.
- April 30: Much below-normal temperatures across portions of the central and southern Plains, and the central and southern Rockies.

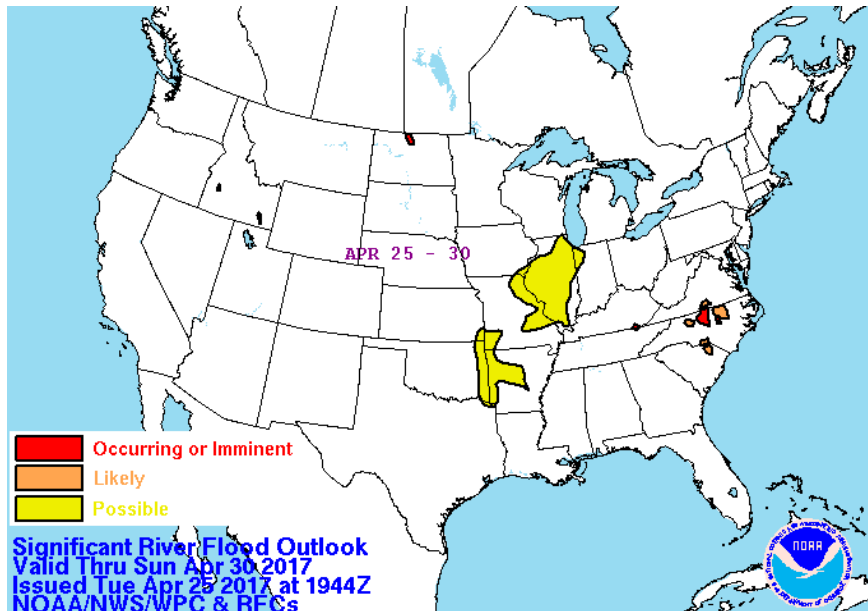
- April 30-May 1: High winds across portions of the northern and central Plains, the upper and middle Mississippi Valley, and the Great Lakes.
- May 3-6: Slight risk of much below-normal temperatures for portions of the northern and central Plains, the northern and central Rockies, the upper Mississippi Valley, and the Great Lakes.
- May 3-9: Slight risk of much above-normal temperatures for portions of the central Great Basin, California, and the Southwest.

## Alaska Weather



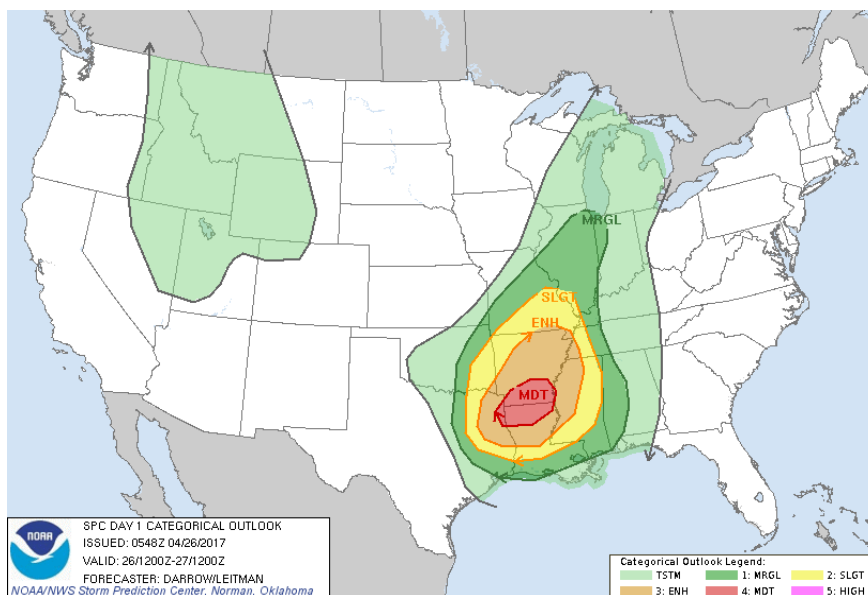
A Small Craft Advisory is in effect today from Segoum to Adak, Kiska to Attu, Dall Point to Wales, and Cape Decision to Cape Edgecumbe. A Brisk Wind Advisory is in effect from Wales to Point Franklin. A Gale Warning is in effect from Dixon Entrance to Cape Decision.

## Significant River Flooding



Significant River Flooding is occurring in portions of southern Idaho, north-central North Dakota, south-central Virginia, and along the northeastern Tennessee and Kentucky border. Significant River Flooding is possible in portions of Oklahoma, Arkansas, Kansas, Missouri, Illinois, and Indiana. Flooding is likely along the North Carolina and South Carolina border, north-central North Carolina, and south-central Virginia.

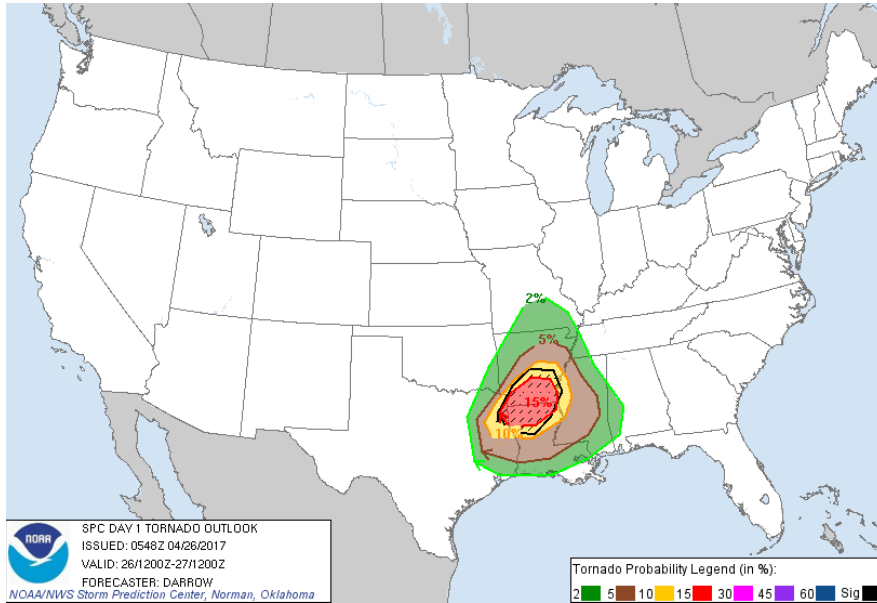
## Severe Weather



There is a Moderate to Enhanced Risk of severe thunderstorms forecast for the lower Mississippi Valley. There is a Slight Risk of severe thunderstorms extending from the southern Plains,

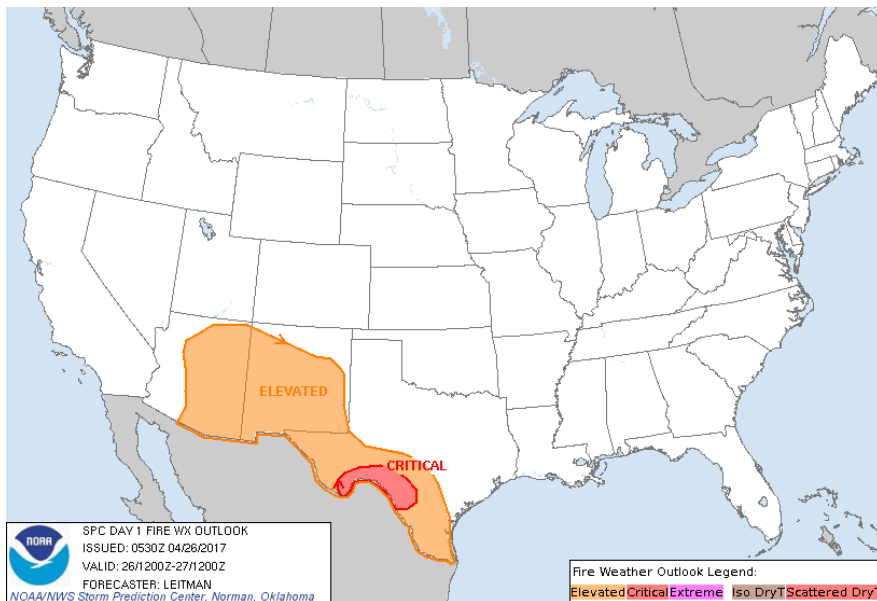
through the middle Mississippi, Tennessee, and Ohio valleys. There is a Marginal Risk of severe thunderstorms from the central Gulf Coast through the upper Great Lakes.

### Tornado Weather



There is a 15- to 10-percent chance of tornado activity forecast today for the lower Mississippi Valley. There is a 5- to 2- percent chance of tornado activity forecast for the southern Plains, lower and middle Mississippi Valley, the Tennessee Valley, and the Southeast.

### Fire Weather



There is Critical Fire Weather forecast for today for the Big Bend region of Texas. Expect Elevated Fire Weather conditions for eastern Arizona, most of New Mexico, and southwestern Texas.

*\*End of Report\**

**Distribution:**

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Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, April 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 26, 2017*

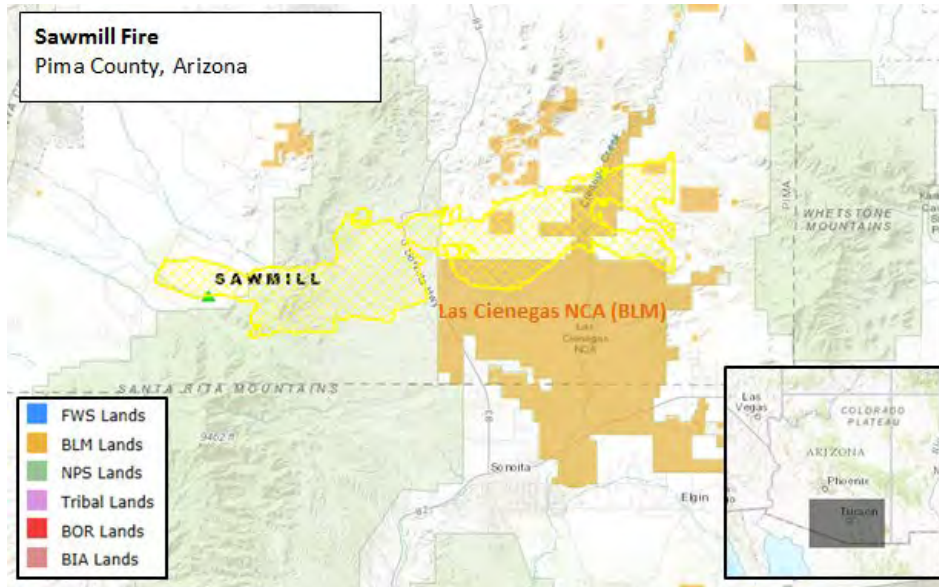
The Incident Status Summary (ICS-209) for the Blackpoint Fire, which is burning within the Merritt Island National Wildlife Refuge in Florida, was not updated yesterday; therefore, the fire will not be summarized in today's report.

## Arizona Fires

### **Sawmill Fire (Initial Report)**

- Start Date: April 23
- Location: Pima County, AZ (State, USFS, and BLM lands)
- Burned Acres: 40,356
- Containment: 20-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 606 / 105
- Structures Threatened-Single-Mixed Residential/Commercial: 300 / 4
- Evacuations / Sheltered in place: 412 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: May 3

Comments: Active fire behavior was observed during this reporting period, and additional perimeter growth is likely over the next 72 hours. In addition to the residences and commercial properties, community and utility infrastructure are also threatened. The fire is burning on U.S. Forest Service (USFS), Bureau of Land Management (BLM), and state lands. The BLM lands are part of the Las Cienegas National Conservation Area.



IGEMS Image

## **Florida Fires**

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,840 (no change)
- Containment: 75-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 248 (+3) / 86 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Moderate fire activity was observed during this reporting period, and some additional perimeter growth is possible over the next couple of days. Response operations will continue to focus on the protection of private property and infrastructure, Federal facilities, transportation corridors, recreational and cultural sites, and threatened and endangered (T&E) species/habitat. The management of the fire is expected to transition to a Type-3 IMT today.



IGEMS Image

## **Georgia Fires**

### **West Mims Fire**

- Start Date: April 7
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 73,976 (+14,658)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 505 (+33) / 93 (+9)
- Structures Threatened-Single-Mixed Residential/Commercial: 79 / 3 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the reporting period, and extremely hot and dry conditions will allow for substantial perimeter growth on Friday. The Stephen C. Foster State Park is temporarily closed, and portions of the Okefenokee National Wildlife Refuge are temporarily restricted from public use. Approximately 2,500 acres of private timber have been either damaged or destroyed.



IGEMS Image

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. At the summit, the lava lake level was observed to be about 46 feet below the floor of the Halema‘uma‘u Crater on Wednesday morning.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Volcano Disaster Assistance Program (VDAP) Report - Poas Volcano, Costa Rica**

*Source: U.S. Geological Survey, VDAP – April 26, 2017*

## Summary

The Poás Volcano, in Costa Rica, has been in an elevated state of eruptive activity since February 2017, producing frequent, small explosions. These explosions have propelled rock and magma into the air, posing hazards to the summit area. The explosions have also sent plumes of water vapor, gases, and ash to a few kilometers above the summit crater. On the night of April 25, the largest explosion in the current phase of activity occurred, destroying seismic monitoring stations and telemetry equipment installed near the summit crater.

The Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI) reports newly erupted magmatic material within the summit crater and elevated seismicity. Continuing intermittent explosions are expected.



## VDAP Analysis & Response

Poás is one of Costa Rica's most active volcanoes with eruptive activity characterized by intermittent low-magnitude explosions from its hot, highly acidic summit crater lake. The current phase of activity is similar to an eruption cycle that occurred from 1952 to 1955, which was the last magmatic eruption of Poás. Although new magma is being erupted, the size of the explosions at Poás will likely continue to be low-magnitude and are unlikely to pose a significant direct threat to populations beyond the National Park boundary. However, continued high level emissions of sulfur dioxide and other volcanic gases do pose a hazard to downwind populations, livestock, and agriculture.

At the request of OVSICORI, the VDAP is providing two seismic stations, two Differential Optical Absorption Spectroscopy (DOAS) gas sensors, telemetry equipment to replace the equipment destroyed in the April 25 explosion, and assistance with monitoring efforts. The

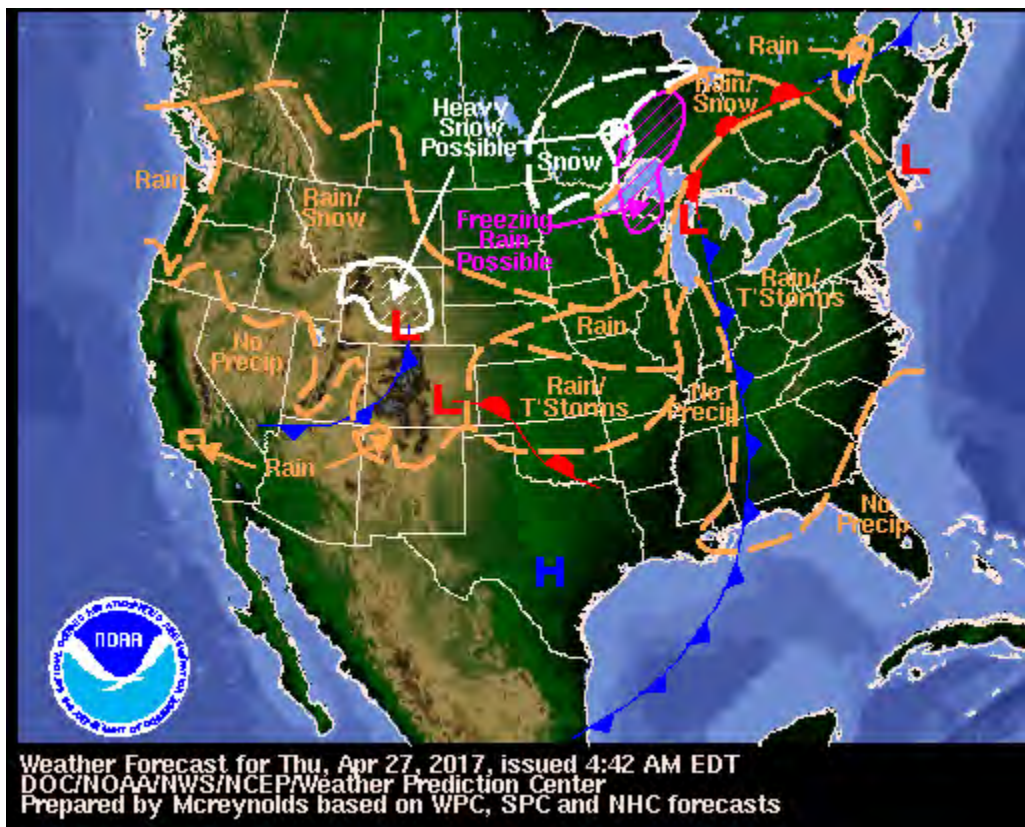
seismic stations and telemetry equipment will be shipped next week. VDAP has begun building the DOAS gas sensors and plans to ship them to OVSICORI by early June. VDAP is maintaining close communication with their colleagues in Costa Rica and continues to provide remote support in seismic and remote sensing interpretation.

### **Hazards, Impacts, and Background**

- Direct hazards from explosions are limited to proximal areas near the summit crater. For this reason, Poás Volcano National Park is closed indefinitely.
- Primary distal hazards include downwind exposure of people, livestock, and crops to acid gases and minor ash emanating from the volcano. There remains a low probability of lahar hazards.
- An estimated 15,000 people reside within about 6 miles of the volcano, with many more people residing downwind and in river valleys downstream of the volcano.
- Poás lies about 12.5 miles to the north-northwest of Costa Rica's densely populated Central Valley, which includes the capital city of San José.

### **Significant National Weather**

Source: *National Weather Service - April 27, 2017*



### **Today:**

An area of low pressure situated over the central Great Lakes with a cold front drops south into the deep south and the Gulf of Mexico. Developing rain and thunderstorms from the eastern

Great Lakes and Northeast will move south into the Southeast and central Gulf coastal region. A few of these thunderstorms could produce isolated severe wind gusts from portions of the Great Lakes region to the Southeast today into this evening. To the northwest of this area of low pressure, wintry weather continues across the western Great Lakes and upper Midwest with a combination of rain, snow, and freezing rain.

A couple areas of low pressure move out of the central Rockies into the central Plains. Rain develops over parts of the Missouri and mid-Mississippi Valley. Rain and thunderstorms possible in the central Plains and will move into the mid-Mississippi Valley. A few of these thunderstorms could produce strong and damaging winds.

Rain and snow continues across the Rockies, portions of the west-central Great Plains and Inter-Mountain Northwest. Snow could be heavy over parts of the central and northern Rockies. Accumulations of at least a foot will be possible in some locations and numerous Winter Storm warnings and Winter Weather advisories are in effect for these regions. Elsewhere, rain showers will persist for the foothills of southern California and the coastal regions of Washington and Oregon.

#### **Tomorrow:**

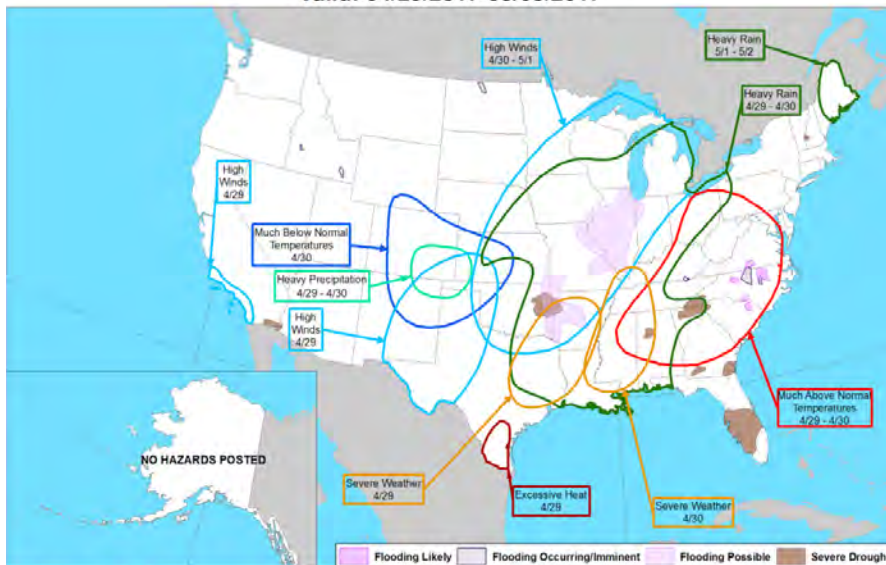
Thursday's cold front extends to New England down the East Coast into the Southeast. A cold front will stretch from Oklahoma into the lower Four Corners. Rain and thunderstorms will develop across portions of New England and coastal areas of the Mid-Atlantic. Rain possible from the central Great Lakes to northern New York state. Rain and thunderstorms expected from the southern Four Corners across the southern Plains into the deep South, Ohio Valley and Northeast. Numerous severe thunderstorms remain possible on Friday from a portion of the southern Plains into the lower to mid-Mississippi, Ohio and Tennessee Valleys. Heavy rain along with possible flash flooding is likely from central Oklahoma to the Tennessee Valley. Elsewhere, rain and snow expected across the Rockies, northern Great Basin and parts of the west Central Plains. Heavy snow will continue over parts of the central and northern Rockies.

#### **Weather Hazard Assessment**

- April 27: Flooding possible across portions of the central Plains, the lower Mississippi Valley, the southern Plains, the middle Mississippi Valley, the Great Lakes, and the Ohio Valley.
- April 27: Flooding occurring or imminent across portions of the mid-Atlantic, the Ohio Valley, the northern Plains, the northern Great Basin, and the Tennessee Valley.
- April 27: Flooding likely across portions of the Southeast and the mid-Atlantic.
- April 27: Severe Drought across the lower Mississippi Valley, the Tennessee Valley, Hawaii, the Northeast, California, the Southeast, the southern Appalachians, the southern Plains, and the Southwest.
- April 29: Severe weather across portions of the lower Mississippi Valley and the southern Plains.
- April 29: Excessive heat across portions of the southern Plains.

- April 29: High winds across portions of the southern Rockies, the southern Plains, California, the central Plains, and the Southwest.
- April 29-30: Heavy precipitation across portions of the southern and central Rockies and the southern and central Plains.
- April 29-30: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the northern Plains, the Tennessee Valley, the Great Lakes, the middle Mississippi Valley, the mid-Atlantic, the southern Appalachians, the upper Mississippi Valley, the Southeast, the southern Plains, and the Ohio Valley.
- April 29-30: Much above normal temperatures across portions of the lower Mississippi Valley, the central Appalachians, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, the Southeast, the Great Lakes, and the Ohio Valley.
- April 30: Severe weather across portions of the Southeast, the middle Mississippi Valley, the lower Mississippi Valley, the Ohio Valley, and the Tennessee Valley.
- April 30: Much below normal temperatures across portions of the central Plains, the central Rockies, the central Great Basin, the southern Rockies, the southern Plains, and the Southwest.
- April 30 - May 1: High winds across portions of the central Plains, the lower Mississippi Valley, the northern Plains, the Great Lakes, the middle Mississippi Valley, the upper Mississippi Valley, the southern Plains, and the Ohio Valley.
- May 1-2: Heavy rain across portions of the Northeast.
- May 4-6: Slight risk of much below normal temperatures for portions of the central Plains, the central Rockies, the central Great Basin, the northern Plains, the northern Rockies, the southern Rockies, the upper Mississippi Valley, the Great Lakes, and the Southwest.
- May 4-6: Slight risk of much above normal temperatures for portions of the central Great Basin, California, and the Southwest.

**Day 3-7 U.S. Hazards Outlook**  
Valid: 04/29/2017-05/03/2017



**National Weather Service**  
**Climate Prediction Center**  
Made: 04/26/2017 3PM EDT

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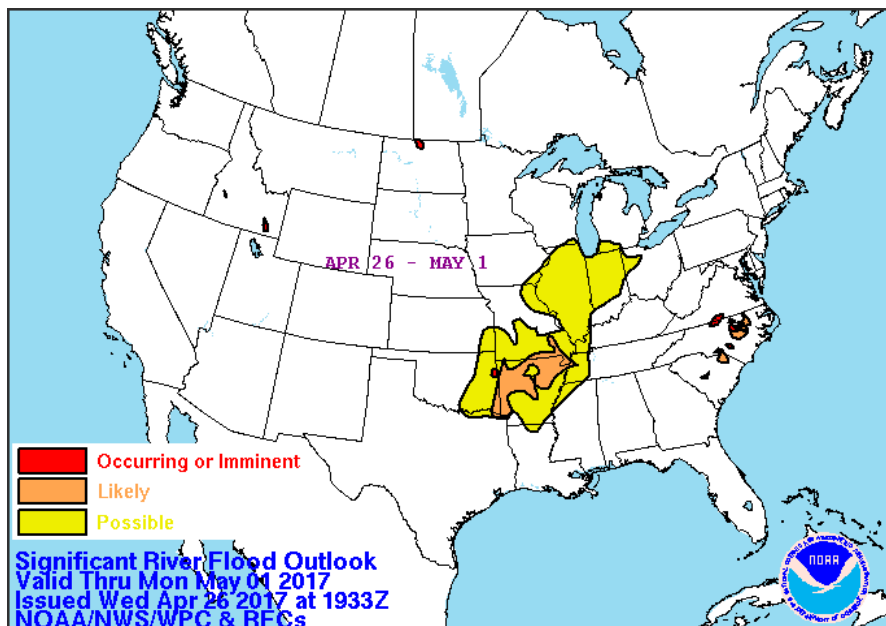


## Alaska Weather

A Gale Warning is in effect today in the western Aleutian Islands and from Cape Decision to Cape Edgecumbe in the Gulf of Alaska. There is a Small Craft Advisory in effect in St. Lawrence Island, from Icy Cape to Cape Edgecumbe, from Cape Decision to Dixon Entrance, and from Dall Point to Wales. A Brisk Wind Advisory is in effect from Cape Thompson to Point Franklin.

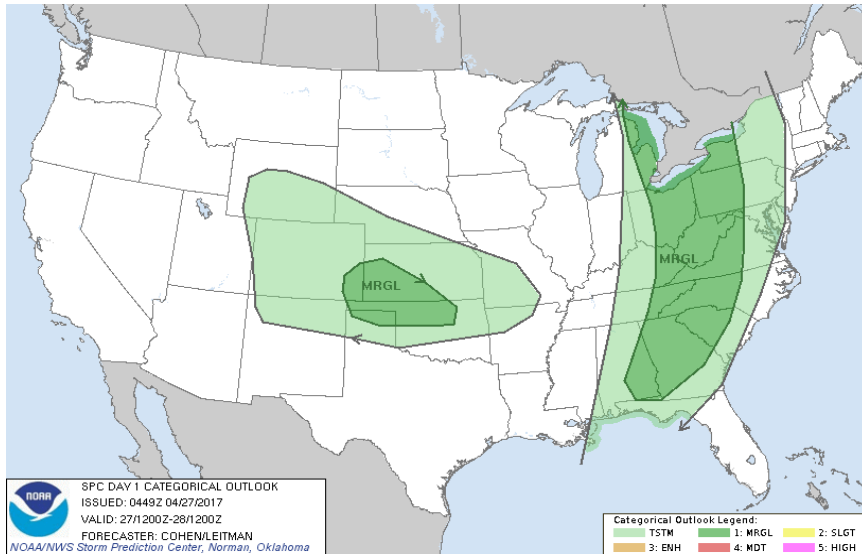


## Significant River Flooding



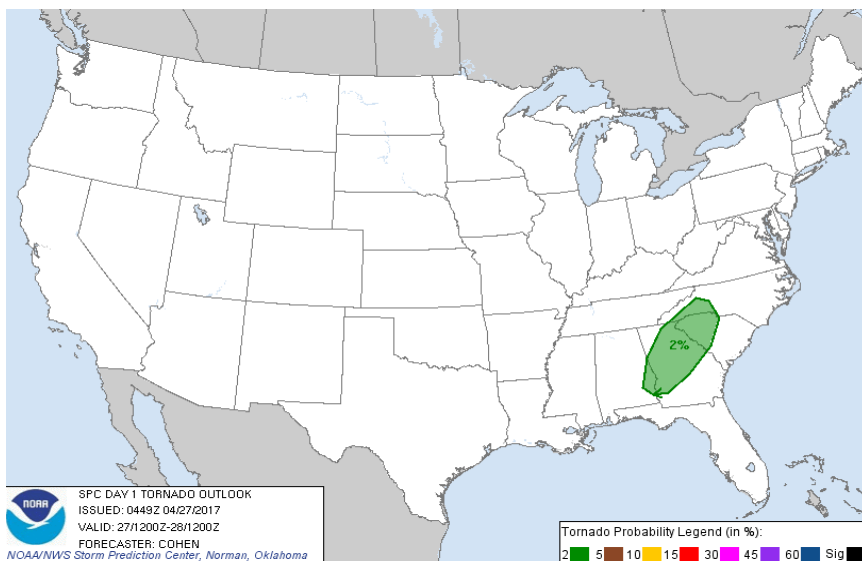
Significant River Flooding is occurring or likely in portions of southern Idaho, north-central North Dakota, south-central Virginia, North Carolina, eastern Oklahoma, Arkansas, southern Missouri, western Tennessee, and central and north-central South Carolina. Significant River Flooding is possible from northeastern Texas and northern Louisiana to the lower Great Lakes.

### Severe Weather



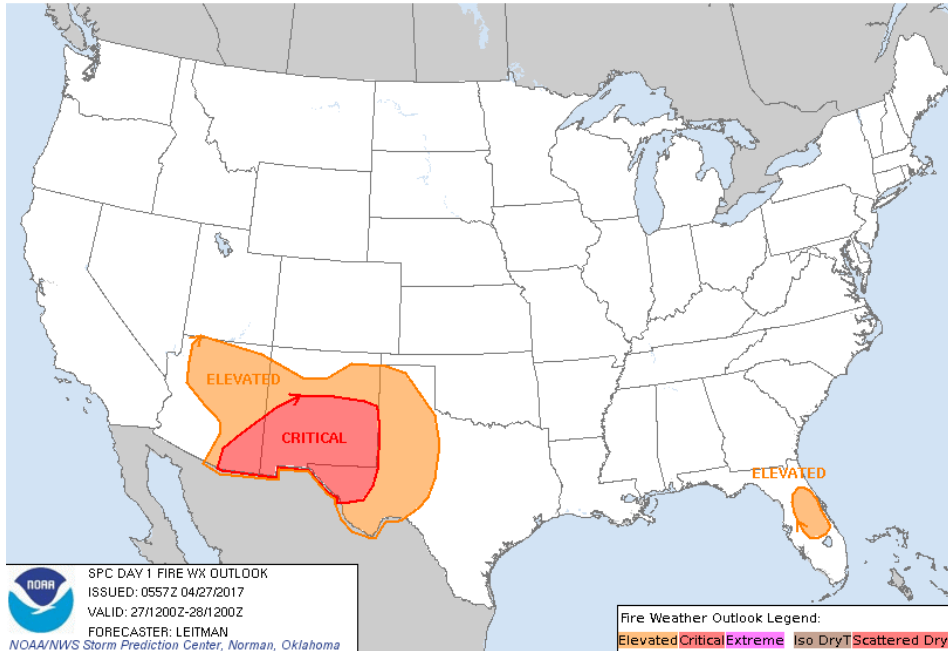
There is a Marginal Risk of severe thunderstorms today from the southeastern U.S. to the Great Lakes. A Marginal Risk of severe thunderstorms also exists across portions of southeastern Colorado, western and southern Kansas, northern and western Oklahoma, and the Texas Panhandle.

### Tornado Weather



There is a 2-percent chance of tornado activity today across parts of eastern Alabama, Georgia, western South Carolina, and western North Carolina.

## Fire Weather



There is Critical Fire Weather forecast for today in portions of western Texas, New Mexico, and southeastern Arizona. There is Elevated Fire Weather forecast from central Texas to western Arizona and in portions of central Florida.

*\*End of Report\**

### Distribution:

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EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, April 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 27, 2017*

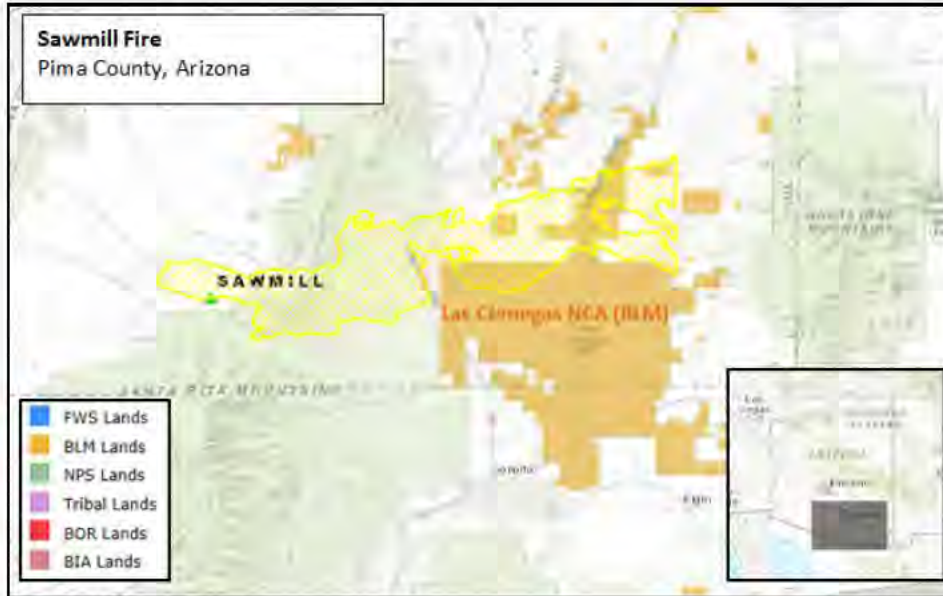
### Arizona Fires

#### **Sawmill Fire**

- Start Date: April 23
- Location: Pima County, AZ (State, USFS, and BLM lands)
- Burned Acres: 46,954 (+6,598)
- Containment: 40-percent (+20)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 799 (+193) / 140 (+35)
- Structures Threatened-Single-Mixed Residential/Commercial: 300 / 4 (no change)
- Evacuations / Sheltered in place: 412 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 3

Comments: The perimeter growth on Thursday was described as minimal as a result of the suppression efforts, but the potential for fire activity remains high due to the winds in the area. In addition to the residences and commercial properties, community and utility infrastructure are

also threatened. The current objectives are to fully suppress the fire and to protect the surrounding communities and infrastructure, while also providing for firefighter and public safety. The fire is burning on U.S. Forest Service (USFS), Bureau of Land Management (BLM), and state lands. The BLM lands are part of the Las Cienegas National Conservation Area.



IGEMS Image

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,840 (no change)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 156 (-92) / 75 (-11)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: April 30

Comments: Moderate fire activity was observed during this reporting period, and some additional perimeter growth is possible over the next couple of days. High pressure will continue over the fire area into the weekend, with only a slight chance of rain each afternoon. A cold front will bring a better chance for rain and thunderstorms next week. Response operations will continue to focus on the protection of private property and infrastructure, Federal facilities, transportation corridors, recreational and cultural sites, and threatened and endangered (T&E) species/habitat.



IGEMS Image

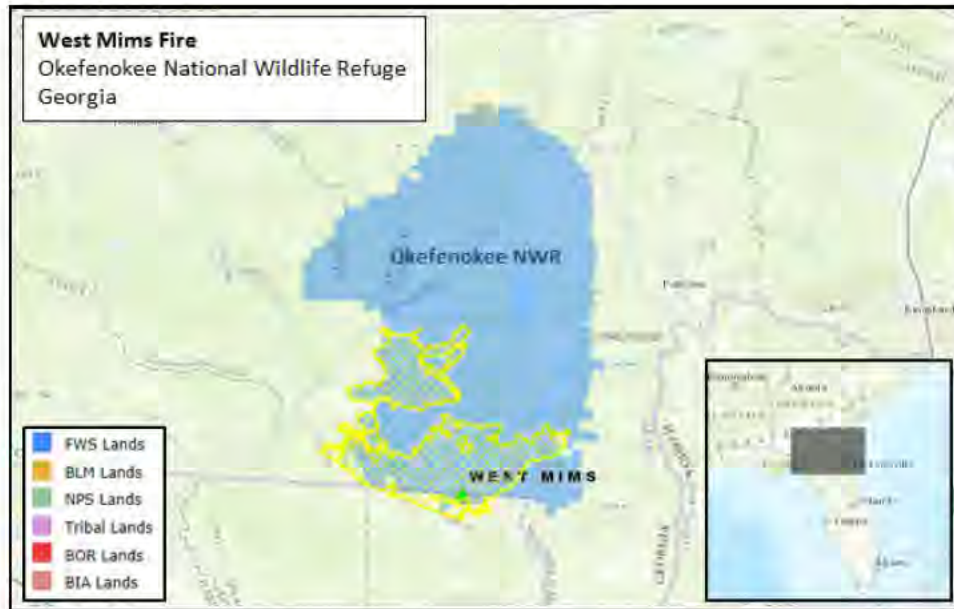
## **Georgia Fires**

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 80,768 (+6,792)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 529 (+24) / 91 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 79 / 3 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the reporting period, but the potential for large perimeter growth was moderated by the fire moving through wetter areas of the Okefenokee Swamp. In areas where the fuels were readily available, aerial resources were utilized to slow the fire's spread. Hot and dry conditions are expected to continue into the weekend, with moderate fire growth possible.

The U.S. Fish and Wildlife Service (USFWS) is reporting that the fire has caused the closure of two entrances to the Okefenokee National Wildlife Refuge. Area, road, and trail closures remain in effect, as well as the closure of the Stephen C. Foster State Park. A burn ban is currently in effect in the refuge.



IGEMS Image

### **United States Geological Survey Flood Response Activity**

*Source: U.S. Geological Survey – April 27, 2017*

#### **Missouri**

Rainfall amounts of up to 3 inches fell in the south-central and southeastern portions of Missouri through Thursday morning. The precipitation, combined with a similar event from the previous weekend, elevated moisture throughout portions of the White River and the Arkansas River watersheds. As a result of the increased moisture, 7 United States Geological Survey (USGS) crews conducted moderate to high flow measurements at 9 different locations on Thursday. The USGS is anticipating flood conditions in both watersheds, beginning today and continuing through Saturday. Rainfall amounts as high as 8 inches are expected.

#### **Arkansas**

Heavy rains fell Tuesday night into Wednesday in Arkansas, with northwestern Arkansas being the most impacted. Four USGS crews spent most of the day and night on Wednesday measuring and sampling gages, with some gages recording over 3.5 inches of rainfall in 12 hours. Crews also performed 9 high flow measurements and 6 storm samples in the Arkansas and White River basins on Wednesday. One gage was damaged, but was expected to be repaired yesterday. Flood conditions are expected to begin today in northwestern Arkansas and continue through the weekend. Flooding will likely begin to impact central Arkansas on Saturday and continue through the middle of next week. The USGS is maintaining contact with the National Weather Service and the U.S. Army Corps of Engineers regarding the event.

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, where a small lava delta has been growing since late March. A portion of the delta reportedly collapsed at some point during this observation period. Surface lava flows remain active above the pali, and these flows are posing no threat to nearby communities at this time. At the summit, the lava lake level was observed to be about 43 feet below the floor of the Halema‘uma‘u Crater.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Earthquake Activity**

*Source: U.S. Geological Survey – April 27, 2017*

The USGS reported that a magnitude 5.7 earthquake occurred on April 27 at 10:46 a.m. EDT, approximately 24 miles to the south-southwest of Amchitka, Alaska at a depth of 11.8 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. No tsunami was generated.

## **Significant National Weather**

*Source: National Weather Service - April 28, 2017*

### **Today:**

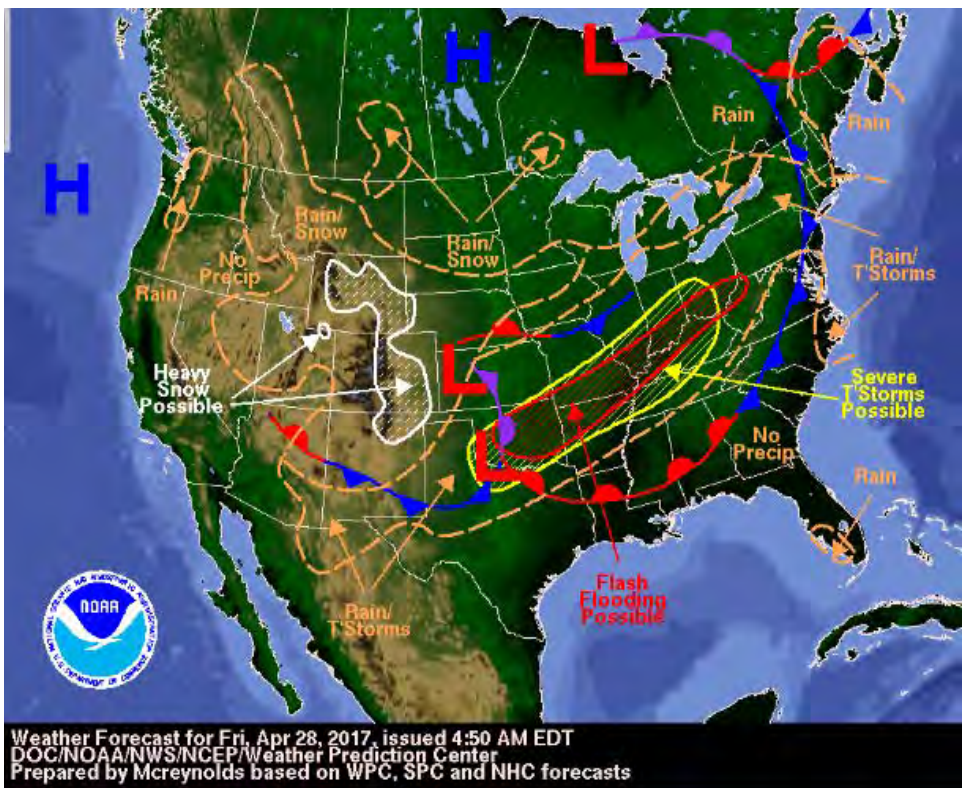
A slow moving area of low pressure will help spawn numerous severe storms from the southern Plains into the lower to middle Mississippi, Ohio and Tennessee valleys. Supercell thunderstorms capable of producing very large hail, locally damaging winds, and a couple of tornadoes will be possible. Heavy rain is expected, and flash flooding will be possible in some areas. On the northwestern side of this area of low pressure, cold air and snow are expected to expand from the central and northern Rockies into portions of the northern and central High



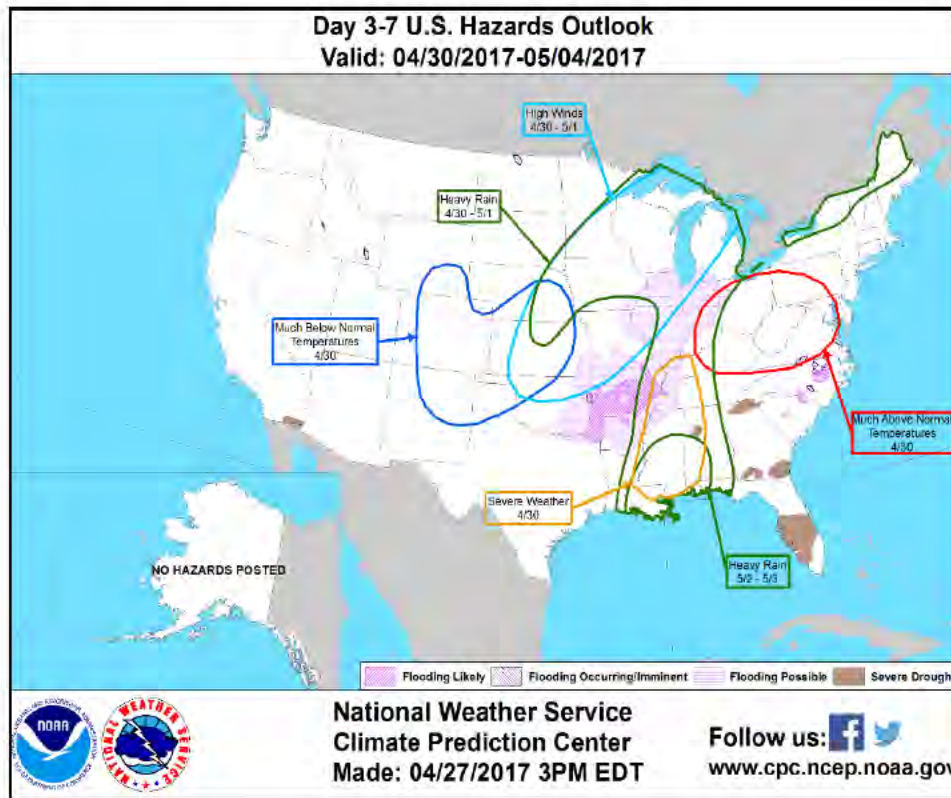
Plains. Precipitation is expected to start as rain in the lower terrain and then transition into snow Friday evening. Heavy snow is forecasted in central and eastern Wyoming, along the Front Range and eastern Plains of Colorado and northeastern New Mexico. Elsewhere, above average temperatures and high pressure are expected across the eastern U.S. High temperatures are expected to be 10 to 20 degrees above average in some areas.

**Tomorrow:**

The area of low pressure will continue to bring the risk of severe thunderstorms to the southern and central Plains, lower and central Mississippi River valleys, and into the southern Midwestern states. The northwestern side of this area of low pressure is expected to continue the snow fall across the western Plains. Rain and thunderstorms will be possible across the central and eastern Plains, the Midwest, and the mid-Atlantic. The risk of severe thunderstorms and very heavy rain and thunderstorms are expected from Texas to Indiana. Thunderstorms in this area could be severe and produce damaging winds, large hail and very heavy rain. Rainfall totals between 5 and 6 inches are possible in a large area across northeastern Texas, western Arkansas, eastern Oklahoma, central Missouri, and south-central Illinois. Flash flooding will also be possible. Snowfall is expected to continue across eastern Colorado, far western Kansas and Oklahoma, southwestern Nebraska, and northeastern New Mexico.



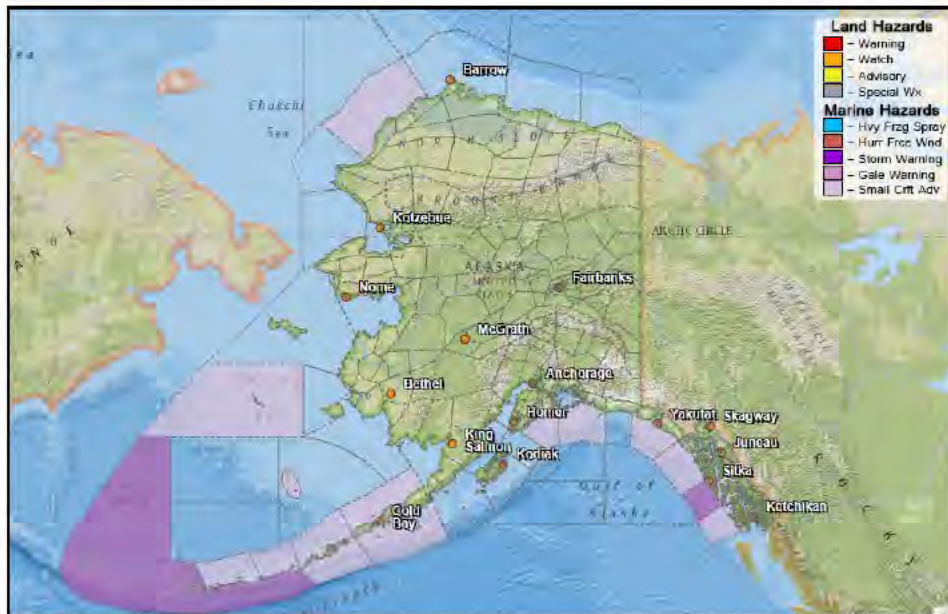
## Weather Hazard Assessment



- April 28: Flooding possible across portions of the central Plains, the lower Mississippi Valley, the Tennessee Valley, the Great Lakes, the middle Mississippi Valley, the upper Mississippi Valley, the southern Plains, and the Ohio Valley.
- April 28: Severe Drought across portions of the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.
- April 30: Severe weather across portions of the Southeast, the middle Mississippi Valley, the lower Mississippi Valley, the Ohio Valley, and the Tennessee Valley.
- April 30: Much above normal temperatures across portions of the central Appalachians, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, the Great Lakes, and the Ohio Valley.
- April 30: Much below normal temperatures across portions of the southern Rockies, the central Rockies, the southern Plains, the central Plains, and the Southwest.
- April 30 - May 1: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the northern Plains, the Tennessee Valley, the middle Mississippi Valley, the Northeast, the upper Mississippi Valley, the Southeast, the Great Lakes, and the Ohio Valley.
- April 30 - May 1: High winds across portions of the central Plains, the lower Mississippi Valley, the northern Plains, the Great Lakes, the middle Mississippi Valley, the upper Mississippi Valley, the southern Plains, and the Ohio Valley.
- May 2-3: Heavy rain across portions of the Southeast, the lower Mississippi Valley, and the Tennessee Valley.

- May 5-6: Slight risk of much below normal temperatures for portions of the Great Lakes, the upper Mississippi Valley, and the northern Plains.
- May 5-6: Slight risk of much above normal temperatures for portions of the central Great Basin, the northern Plains, the northern Rockies, the central Rockies, California, the northern Great Basin, the Pacific Northwest, and the Southwest.

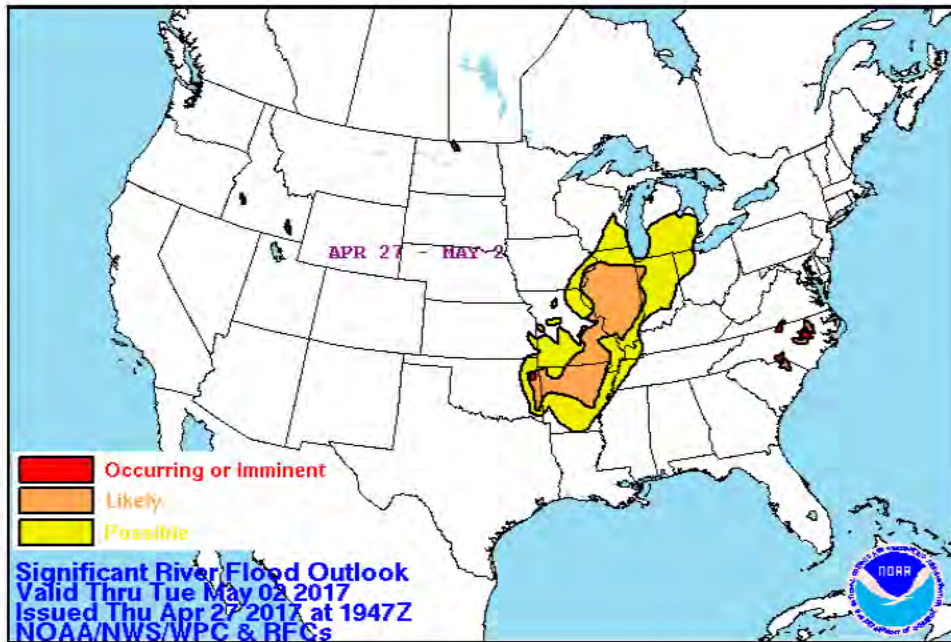
## Alaska Weather



A Gale Warning is in effect today in portions of the central and western Aleutian Islands and from Cape Decision to Cape Edgecumbe in the Gulf of Alaska. There is a Small Craft Advisory in effect in portions of the central and eastern Aleutians, the central and eastern Gulf of Alaska, the Pribilof Islands, and St. Matthew Island. A Brisk Wind Advisory is in effect from Cape Beaufort to Point Franklin.

## Significant River Flooding

Significant River Flooding is occurring or likely in portions of southern Idaho, north-central North Dakota, south-central Virginia, North Carolina, eastern Oklahoma, Arkansas, southeastern Missouri, Illinois, southeastern Iowa, western Indiana, and north-central South Carolina. Significant River Flooding is possible from eastern Oklahoma and Arkansas to the Great Lakes.

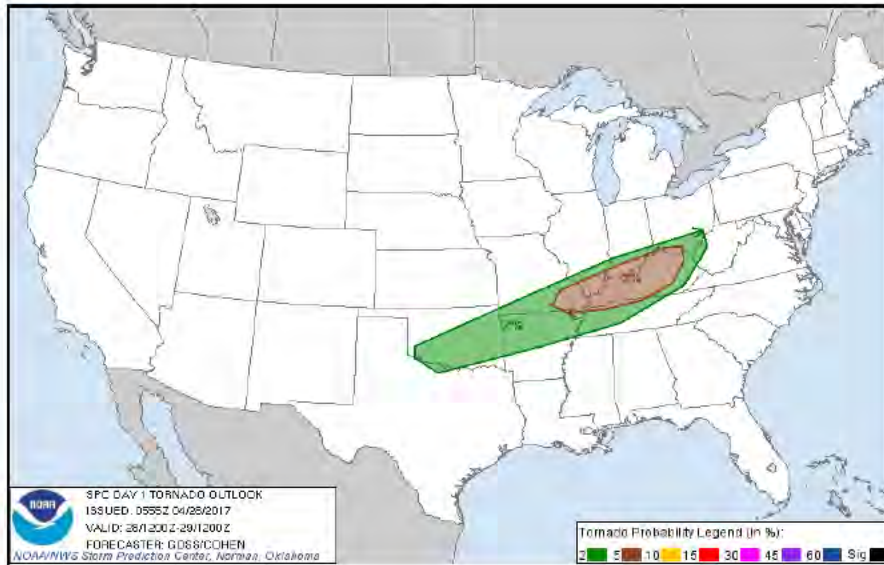


### Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today across parts of north-central Texas, Oklahoma, southern Missouri, northern Arkansas, southern Illinois, southern Indiana, western Kentucky, and western Tennessee. There is a Marginal to Slight Risk of severe thunderstorm activity surrounding the Enhanced Risk area and expanding to the northeast into eastern Ohio and West Virginia.

## Tornado Weather



There is a 5-percent chance of tornado activity today in parts of northeastern Arkansas, southeastern Missouri, Kentucky, northwestern Tennessee, southern Illinois, southern Indiana, and southern Ohio. There is a 2-percent chance of tornado activity from north-central Texas to southern Ohio and West Virginia.

## Fire Weather

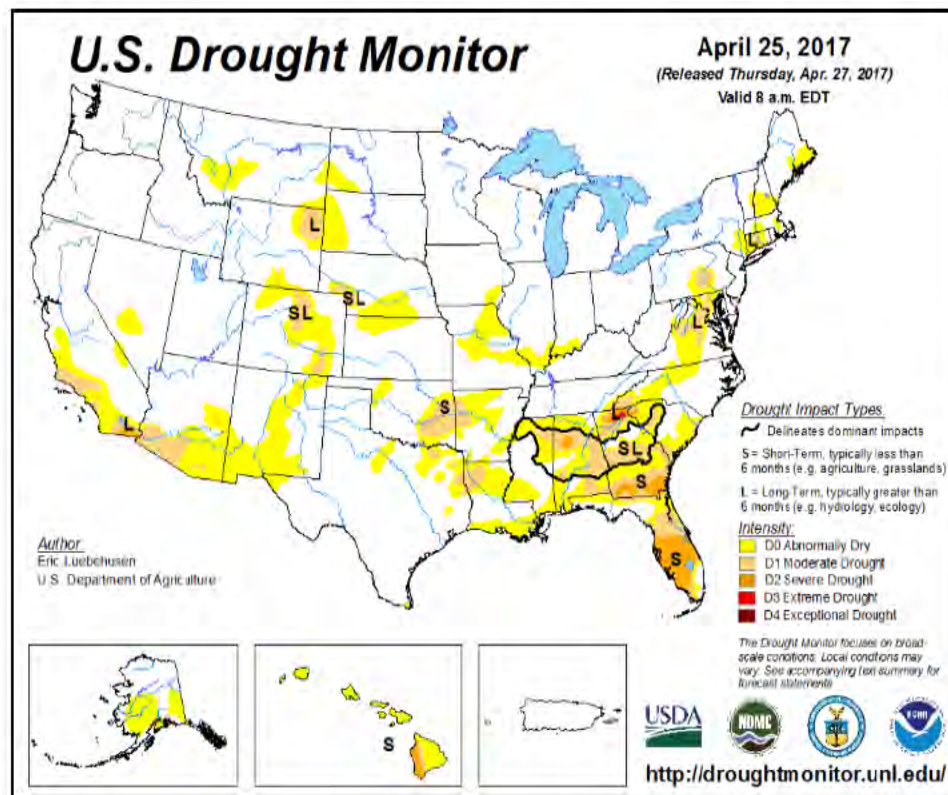


There is Critical Fire Weather forecast for today for portions of Arizona and southeastern California. There is Elevated Fire Weather forecast from western Texas to southeastern California and southern Nevada. Elevated Fire Weather also exists in portions of central Florida.

## Other News and Notes

### U.S. Drought Monitor

Source: National Drought Mitigation Center - April 27, 2017



Widespread heavy rain eased drought conditions last week, but caused local flooding from Oklahoma to the coastal areas of the Carolinas. In contrast, dry, hot conditions caused drought to intensify over the lower Southeast, though tropical downpours afforded some drought relief in southern Florida. Additional improvements to drought intensity and coverage were noted in the Northeast and mid-Atlantic in response to the late-spring rains and recovering groundwater levels. Drought conditions also improved in the central Plains, while conditions remained largely unchanged elsewhere in the U.S.

*\*End of Report\**

**Distribution:**

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EM-ICAT

EM-Incident Support Team

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, May 1, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Central Plains and Midwest Severe Weather Outbreak

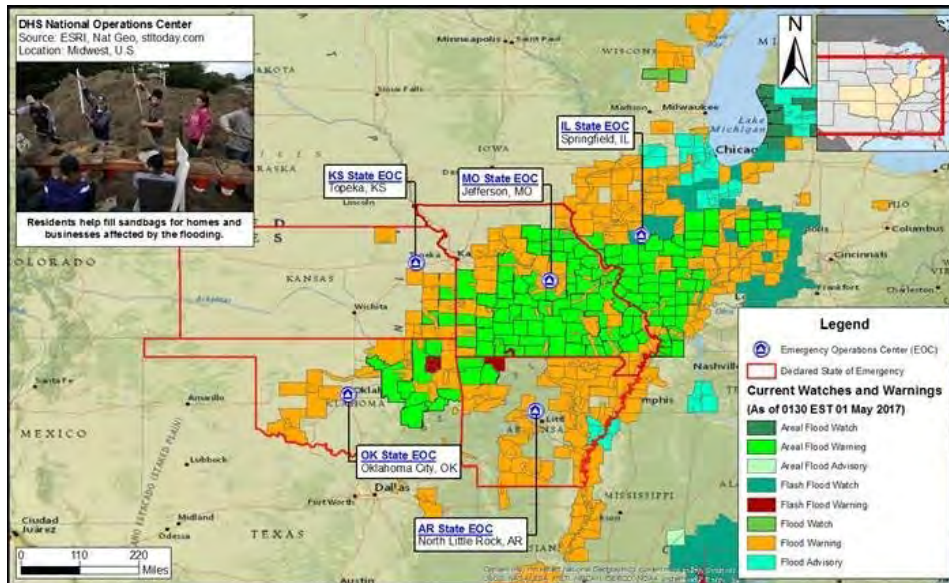
### **General Situation**

*Source: Federal Emergency Management Agency (FEMA) - May 1, 2017*

A slow-moving storm system brought heavy to intense rainfall to the central United States resulting in widespread, significant flooding. The greatest impacts were felt across eastern Oklahoma, northern Arkansas, central and southern Missouri and Illinois, and southwestern Indiana. Some locations exceeded, or are forecast to exceed, major to record flood levels. Many of the smaller basins will have crested Sunday night or today, while the slow-responding basins continue to rise and will not crest until late this week or early next week. Record and near record flood levels have occurred in some areas, with parts of the region receiving five to eleven inches of rain since April 28.

The severe weather system that moved through western portions of Mississippi in the early morning hours on April 30 produced several tornadoes and high winds in excess of 70 miles per hour resulting in downed trees and widespread power outages throughout the State.





DHS Graphic

## United States Geological Survey Flood Response Activity

Source: *U.S. Geological Survey (USGS) – April 30, 2017*

### **Missouri**

Precipitation continued in the lower two-thirds of Missouri, the majority of the system having migrated east with rainfall continuing in parts of the White River and the lower Mississippi River basins. Over 20 gages are experiencing period of record flood peaks in the Arkansas and White River basins in the southern portion of Missouri, while many urban gages are experiencing period of record peaks as well. A total of 62 gages are above flood stage, with many experiencing period of record peak flows, as rain continues throughout the southern portion of Missouri. There are four gages currently damaged and/or destroyed. Fourteen staff members continue taking flood measurements, and there is potential to recruit two additional staff members. Manned boats are being utilized, and additional boats are needed, as bridge section measurements are inundated. Crews are equipped with High Water Mark materials for post flood work.

### **Indiana**

Intense storms and rainfall that impacted the central U.S. deposited up to 5 inches of rain in some locations of southern Indiana. Several small river basins experienced flash flooding, including the Patoka Reservoir, which has risen almost 5 feet in 36 hours. At least one period of record was recorded by a gage in the southwest portion of the state on April 29. Major category floods are forecast on the lower Patoka River later this week, with more rain expected over the next week. A second wave of storms producing heavy rainfall is moving across western Indiana. The Indiana-Kentucky Water Science Center, Indianapolis office, has three crews taking discharge measurements in southern and western Indiana, and all gages are currently operational. Moderate flooding is forecast for a majority of the Wabash and White River basins beginning on April 30.

### ***Arkansas***

Heavy rains fell on the evening of April 29 and into the morning of April 30 covering most of Arkansas. Precipitation totals exceeded six inches on April 29 throughout the state, and storms have left an estimated 70,000 residents without power in central Arkansas. Seven USGS crews from offices in the lower Mississippi Gulf are in the process of measuring discharges in northern and western Arkansas, with three additional crews storm sampling in central Arkansas. Crews will transition to measure larger rivers in Arkansas. The Arkansas, Illinois, Buffalo, Kings, and White river basins are affected. So far, ten gages exceeded National Weather Service (NWS) flood stage. Two streamgages have been damaged, and two have been destroyed.

### ***Illinois***

Flooding is occurring in southern Illinois as a result of rain that fell on April 29 and 30. Statewide rainfall totals are two inches and above, with approximately seven inches of rain accumulating in southern Illinois. Approximately 30 USGS streamgages are above the NWS flood stage. One USGS crew has been deployed to take discharge measurements and ensure proper streamgage operation in southern Illinois, with additional crews expected to be deployed as streams continue to rise. All USGS streamgages in the flooded areas appear to be functioning properly.

### **Other Federal Response**

*Source: Department of Homeland Security National Operations Center - May 1, 2017*

As many as 10 deaths (7 confirmed, 3 unconfirmed) occurred as a result of flooding and severe weather. Evacuations are in effect for portions of Illinois, Missouri, and Oklahoma. There are 26 shelters open with 297 occupants. The Department of Energy reports over 80,000 customers are without power in the affected region. Portions of Interstate 44 in Missouri are closed. There are 12 Missouri National Guard members deployed to support efforts. Kansas National Guard members are on standby to assist.

The FEMA National Watch Center and FEMA Regions V, VI, and VII Regional Watch Centers remain at Steady State (Normal Operations). The FEMA Region VI Regional Response Coordination Center is at Enhanced Watch. FEMA Liaison Officers are deployed to the Arkansas and Missouri State Emergency Operations Centers (EOCs). The Missouri State EOC is at Full Activation. The Arkansas, Illinois, Kansas, and Oklahoma State EOCs are at Partial Activation. The Governors of Arkansas, Kansas, Missouri, and Oklahoma have declared States of Emergency.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - April 30, 2017*

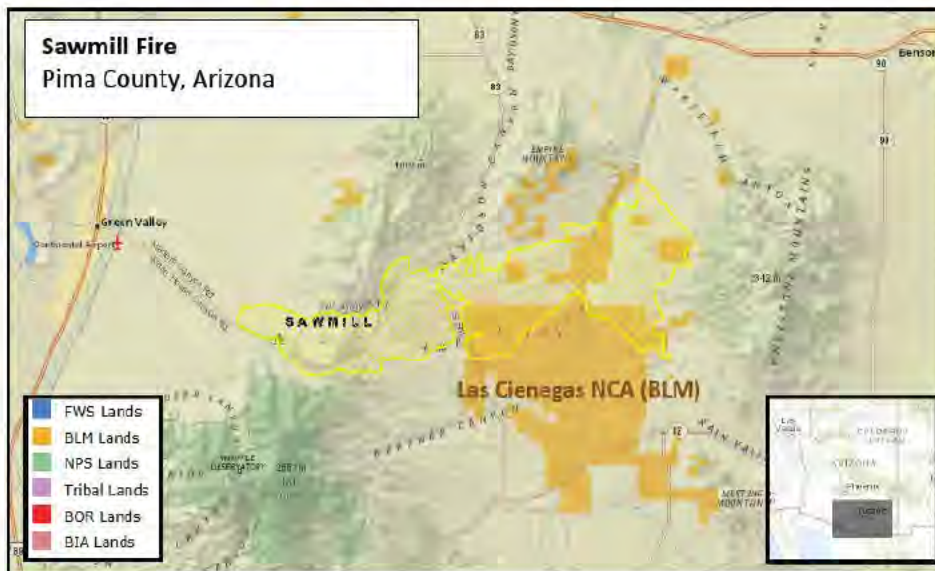
### **Arizona Fires**

#### **Sawmill Fire**

- Start Date: April 23
- Location: Pima County, AZ (State, USFS, and BLM lands)

- Burned Acres: 46,991 (+37)
- Containment: 94-percent (+54)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 306 (-493) / 61 (-79)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-300) / 0 (-4)
- Evacuations / Sheltered in place: 0 (- 412) / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 3

Comments: All evacuations have been lifted. Significant demobilization started on April 30. Crews continue mop-up, rehab, and coordination with the incoming overhead in preparation for transitioning to a local unit on May 2. The fire is burning on U.S. Forest Service (USFS), Bureau of Land Management (BLM), and state lands. The BLM lands are part of the Las Cienegas National Conservation Area.



IGEMS Image

## **Florida Fires**

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,866 (+26)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 154 (-2) / 69 (-6)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)

- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Minimal fire activity was observed during this reporting period. Due to the heavy fuel and structure, aviation resources are being used to monitor and extinguish any western progression into the Kissimmee Billy Strand, using ground resources where they have the ability to access the area. Response operations will continue to focus on the protection of private property and infrastructure, Federal facilities, transportation corridors, recreational and cultural sites, and threatened and endangered (T&E) species/habitat.



IGEMS Image

## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 96,248 (+15,480)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 480 (-49) / 73 (-18)
- Structures Threatened-Single-Mixed Residential/Commercial: 87 (+8) / 17 (+14)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the reporting period, but the potential for large perimeter growth was moderated by the fire moving through wetter areas of the

Okefenokee Swamp. Much of the fire has either bumped into the swamp edge or has been contained on the north and west sides of the fire. The U.S. Fish and Wildlife Service (USFWS) is reporting that the fire has caused the closure of two entrances to the Okefenokee National Wildlife Refuge. Area, road, and trail closures remain in effect, as well as the closure of the Stephen C. Foster State Park.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – April 28, 2017

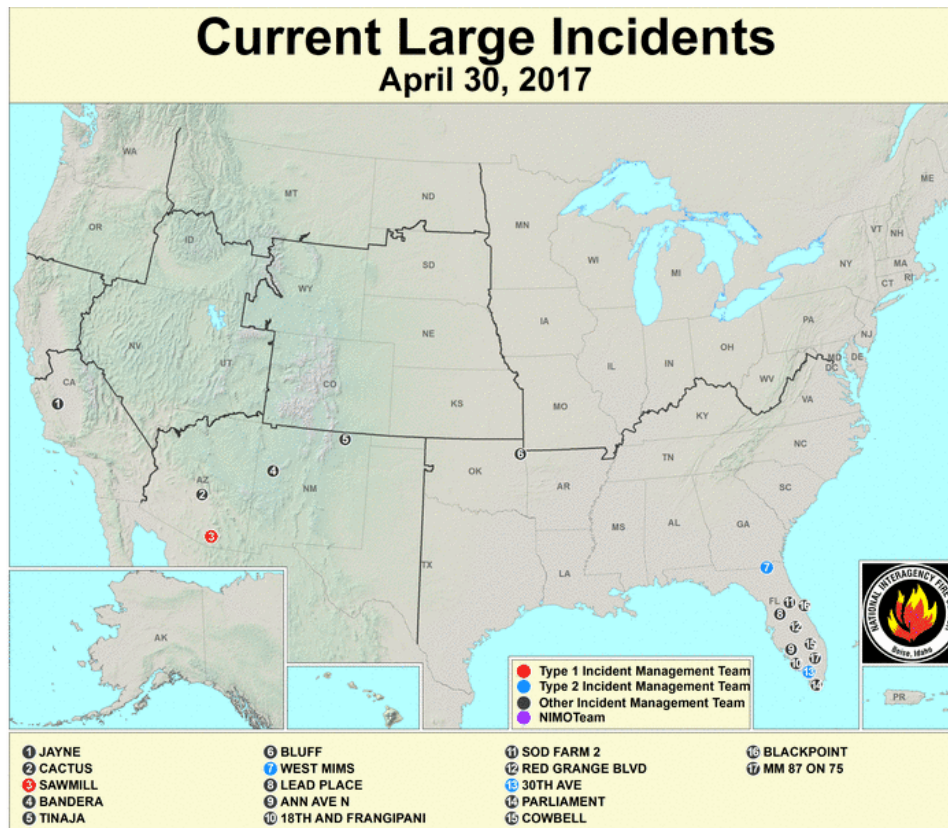
### National Preparedness Level 1

#### National Fire Activity (April 21 - April 27)

Initial attack activity:	508
New large fires:	10
Large fires contained:	4
Uncontained large fires: **	10
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Kilauea Volcano, HI

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remain active above the pali near Pu‘u ‘Ō‘ō. Surface lava flows remain active above the pali, but these flows pose no threat to nearby communities at this time.

### Cleveland Volcano, AK

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

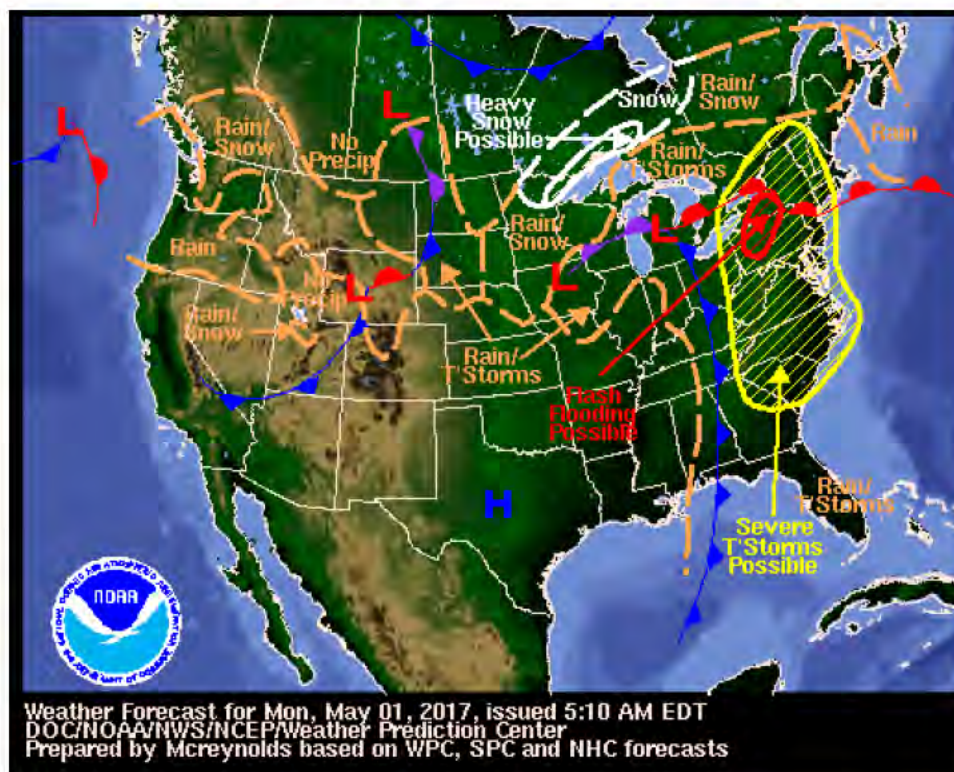
### Earthquake Activity

Source: U.S. Geological Survey – April 28, 2017

On April 28, the United States Geological Survey (USGS) reported that a magnitude 6.9 earthquake occurred at 4:23 p.m. EDT approximately 45 miles south of General Santos, Mindanao, Philippines at a depth of 16 miles. The USGS issued a Green PAGER Alert, indicating there is low likelihood of casualties or damage as a result of the earthquake. The potential existed for hazardous coastal waves, but no tsunami was generated.

### Significant National Weather

Source: National Weather Service - April 30, 2017



### **Today:**

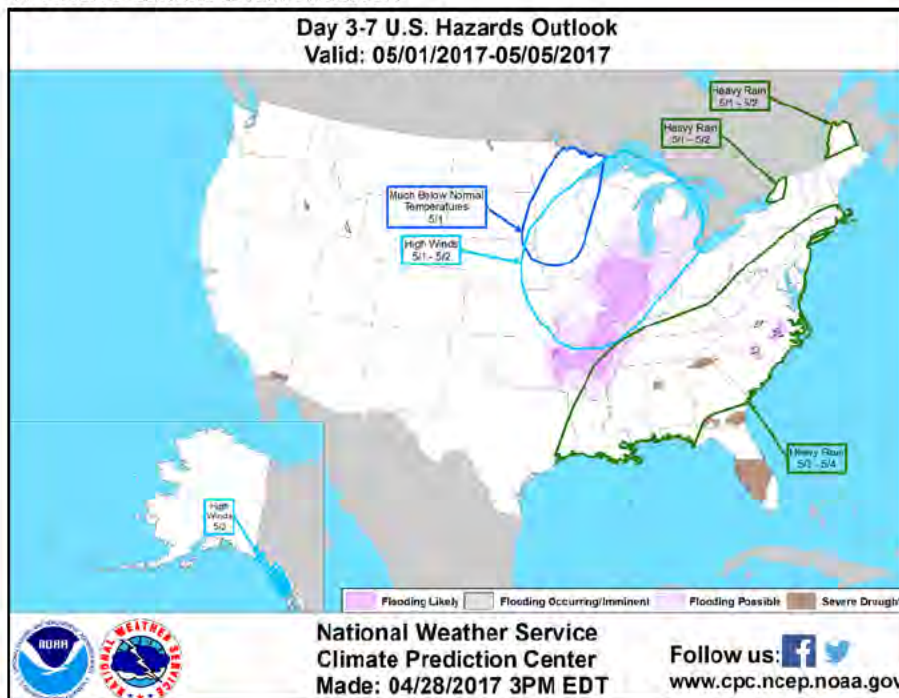
A strong cold front will push through the Ohio Valley and Appalachians today and tonight. Rain and thunderstorms will develop along the ahead of this system from the Great Lakes/Northeast southward into the Southeast and the Florida Peninsula. Thunderstorms are expected to develop

and overspread much of the lower Great Lakes region, the upper Ohio Valley, and central Appalachians into the mid-Atlantic region today, accompanied by potentially damaging wind gusts and the risk for a few tornadoes. Rain is expected to be heavy across portions of western Pennsylvania into southwestern New York State. This heavy rain could produce localized areas of flooding and flash flooding as indicated by the National Weather Service. Wintery type weather is expected north of this system from the upper Midwest to far northern New England and the Canadian Maritimes. Rain and snow will be possible for portions of the upper Midwest and far northern New England and the Canadian Maritimes, while snow (possibly heavy) is forecast for the northwestern Great Lakes region. Another weather system will push through the central Rockies and western High Plains region today. Rain and thunderstorms will develop across parts of the western Dakotas and eastern Montana. Rain and snow will be possible for the northern Rockies, the Canadian Rockies, and the Washington Cascades. Elsewhere, rain possible for most of Oregon and eastern and western Washington.

**Tomorrow:**

The above mentioned cold front will extend from New England south (just off the coast) to central Florida into the Gulf of Mexico. Rain and thunderstorms will be possible for parts of eastern New England and central/southern Florida. Rain is likely from the central/eastern Great Lakes into the Northeast and northern New England. Rain and snow is forecast for the western Great Lakes region. Rain and thunderstorms are expected to develop from the northern Great Plains southward to the southern Plains and mid-Mississippi Valley. Heavy rain and possible flooding and flash flooding are expected along the Oklahoma/Kansas border region and surrounding eastern states. Rain and snow likely for the central and northern Rockies. Elsewhere, rain and snow will develop across the Washington Cascades and British Columbia coastal ranges. Rain is possible for the western sections of Washington and Oregon.

**Weather Hazard Assessment**





- May 1: Much below normal temperatures across portions of the northern and central Plains and the middle and upper Mississippi Valley.
- May 1: Severe Drought across parts of the Southeast, California, and Hawaii.
- May 1-2: Heavy rain across portions of the Northeast and the Great Lakes.
- May 1-2: High winds across portions of the northern and central Plains, the Great Lakes, the middle and upper Mississippi Valley, and the Ohio Valley.
- May 3: High winds across portions of the Alaska Panhandle.
- May 3-4: Heavy rain across portions of the mid-Atlantic, the lower and middle Mississippi Valley, the central Appalachians, the Tennessee Valley, the Northeast, the southern Appalachians, the Southeast, the southern Plains, and the Ohio Valley.
- May 6-7: Slight risk of much above normal temperatures for portions of the southern Rockies, the central Great Basin, the Southwest, California, and the southern Plains.

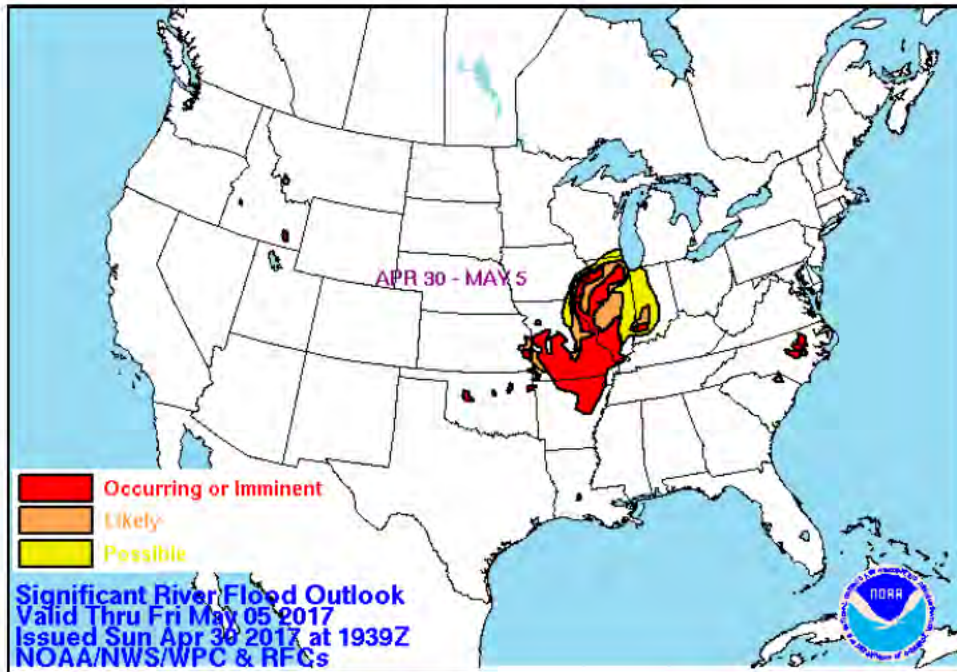
## Alaska Weather



A Gale Warning is in effect today for Barren Islands East, Cape Suckling to Cape Cleare, and Icy Cape. There is a Small Craft Advisory in effect in most of the central and eastern Aleutians, Cook Inlet Island, Cape Cleare to Gore Point, Cape Fairweather to Cape Decision, and St. Matthew Island.

## Significant River Flooding

Flooding is possible across portions of the Great Lakes, the middle Mississippi Valley, the upper Mississippi Valley, and the Ohio Valley. Flooding is occurring or imminent across portions of the mid-Atlantic, the southern Plains, and the northern Great Basin. Flooding is likely across portions of the lower Mississippi Valley, the southern Plains, the middle Mississippi Valley, the mid-Atlantic, the Southeast, the Great Lakes, and the Ohio Valley.



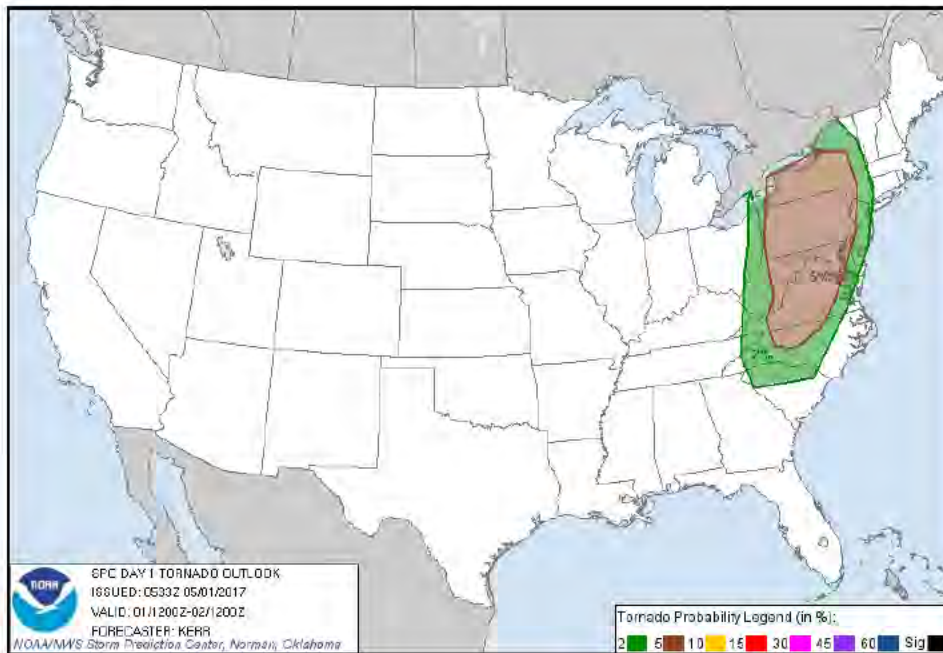
### Severe Weather



There is an Enhanced Risk of severe thunderstorms this afternoon into this evening across much of the lower Great Lakes region, the upper Ohio Valley, and the central Appalachians into mid-Atlantic coast. There is a Slight Risk of severe thunderstorms surrounding the Enhanced Risk area extending from the Southeast, into the Northeast, and Ohio Valley. There is a Marginal

Risk of severe thunderstorms from northern Florida through the Tennessee and Ohio valleys, as well as the Northeast.

### Tornado Weather



There is a 5-percent chance of tornado activity today for a majority of New York, Pennsylvania, Virginia, Maryland, and a portion of eastern West Virginia. There is a 2-percent chance of tornado activity for the lower Great Lakes, Ohio Valley, mid-Atlantic, and Northeast.

### Fire Weather

There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for eastern Arizona, southwestern New Mexico, and western Texas.



*\*End of Report\**

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, May 2, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Central Plains and Midwest Severe Weather Outbreak

### **General Situation**

*Source: Federal Emergency Management Agency and Department of Homeland Security  
National Operations Center – May 2, 2017*

The National Weather Service (NWS) reports a very active weather pattern will persist over the Midwest for the next week. A series of low pressure systems is expected to bring heavy rain and potential flooding for many of the same areas already affected. Some locations have exceeded, or are forecast to exceed, major to record flood levels, particularly in southeastern Missouri and southern Illinois.

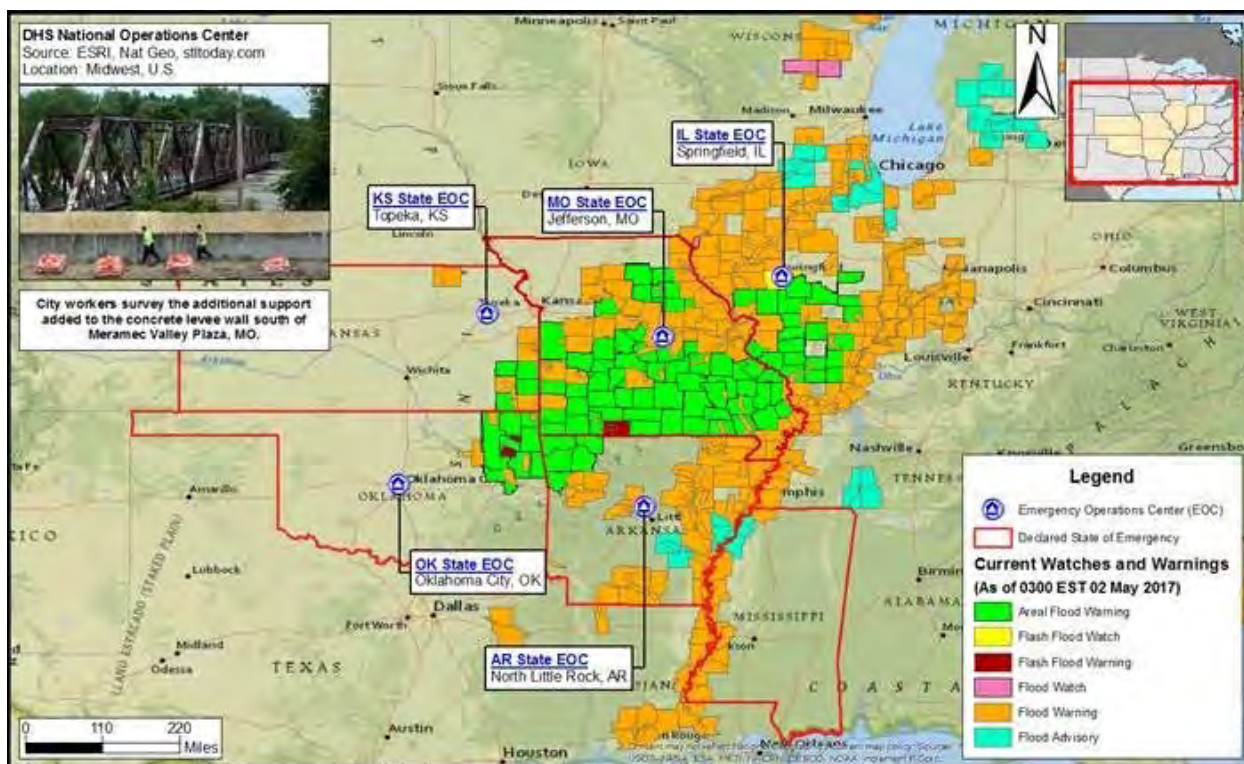
Multiple rivers in central and southern Illinois are forecast to crest at moderate and major flood levels this week. Several river gauges along the Mississippi River are also expected to rise to moderate flood stage due to an additional 3 to 6 inches of rainfall over the next five days.

As many as 9 deaths (8 confirmed, 1 unconfirmed) occurred as a result of flooding and severe weather; however, there have only been reports of limited damage. The NWS estimates five tornadoes associated with these storms touched down in Texas with no reported casualties. FEMA reports 22 shelters are open with 160 occupants. As of 1:45 a.m. EDT, the Department of

Energy reports nearly 11,000 (-69,000) customers remain without power in the affected states. Missouri National Guard members continue to support efforts.

The FEMA National Watch Center and FEMA Regions IV, V, VI, and VII Regional Watch Centers remain at Steady State (Normal Operations). The FEMA Region VI Regional Response Coordination Center is at Enhanced Watch. FEMA Liaison Officers are deployed to the Arkansas and Missouri State Emergency Operations Centers (EOCs). The Missouri State EOC remains at Full Activation. The Arkansas, Illinois, Kansas, and Oklahoma State EOCs remain at Partial Activation. The Governors of Arkansas, Kansas, Missouri, Mississippi, and Oklahoma have declared States of Emergency.

The National Infrastructure Coordinating Center reports there are no known or reported impacts to national critical infrastructure. However, the Meramec River in the St. Louis area is rising faster than predicted. The Missouri Department of Transportation reported a statewide total of 326 roads closed, including portions of Interstate Highways 44 and 270.



DHS Graphic

## **United States Geological Survey Flood Response Activity**

*Source: U.S. Geological Survey (USGS) – May 1, 2017*

### ***Missouri***

Rain has moved out of the state leaving area gaging locations impacted with record floodwaters. On Sunday, 68 gages were above flood stage, which decreased to 62 gages on Monday. Over 30 streamgages have experienced record peaks within the White, Arkansas, and lower Mississippi basins. Five crews are working within the Gasconade, Meramec, Current, St. Francis, and Big River basins. Additional high water mark crews are being deployed for peak verification to support anticipated Annual Exceedance Probability computations.

### ***Indiana/Kentucky***

The Indiana-Kentucky Water Science Center is in the second day of flood response after another round of storms moved through the western portion of the state Sunday night. Forecasts for the Wabash River basin have been reduced to minor category, but the lower Patoka basin is still expected to have major category flooding later this week. The Water Science Center has five crews deployed to determine discharge measurements and verifying gages in affected areas of the state. Measurement information will be relayed to the NWS throughout the event.

## **National Park Service Flood Response Activity**

*Source: National Park Service (NPS) – May 1, 2017*

Due to heavy rains and flooding, all of the Ozark National Scenic Riverways is closed until further notice. All employees are safe and accounted for. Many structures within the park have been damaged or destroyed due to record flooding. The NPS continues to support a local state of emergency using water rescue assets and heavy equipment.

### **Operations**

A Type II All-Hazards Incident Management Team has deployed to the park to support operations. The area is still under high flood waters and flood waters continue to rise. There are power outages throughout the area and a lack of potable water. Both landline and cellular phone service have been widely impacted. The local park has been providing limited updates on their Facebook page.

Rangers have been assisting local resources with 30 water rescues over the last 24 hours. The park has offered heavy equipment, saw crews, and other park staff and assets to support local emergency response efforts. The NPS has deployed additional law enforcement support to the park. Missouri Governor Eric Greitens visited the park on May 1 for the afternoon Incident Briefing.

### **Damage to Park Infrastructure**

Much of the park has not yet been surveyed due to hazardous flooding conditions. Several locations in and around the park have no utilities or communication. Initial damage reports include:

- Two Rivers Store - Destroyed. Log construction building owned by NPS operated by a concessioner, which was observed with the roof removed and being swept down flood waters.
- Alms Bend Maintenance Facility - Damaged. Observed with Standing Water.
- Powder Mill Resource Center - Damaged. A two story building wherein the first floor is fully inundated and the second floor containing several inches of water. Windows are broken, furniture moved, and ceilings appear to be sagging.
- Shawnee Shop - Damaged. The facility is contaminated from hazardous materials. Some equipment damage was noted with a film of oil and gas. Fuel storage tanks are contaminated with water and will need to be pumped out.
- Big Springs - Damaged. Significant flooding has been observed in this area. The Big Springs Lodge was observed to have water to the height of the roofline eaves. The some cabins in the area were out of the flood zone.
- Alley Mill - Damaged. Flooding was observed on first floor and the basement is likely inundated. This is the structure depicted on the United States Mint America, the Beautiful Quarters Program, due to be released in June.
- Headquarters - Affected. Power was restored; however, the building lacks potable water, cellular, and landline phone service.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 2, 2017*

The Incident Status Summary (ICS-209) for the **Cowbell Fire**, which is burning within the Big Cypress National Preserve in Florida, was not updated yesterday; therefore, the fire will not be summarized in today's report.

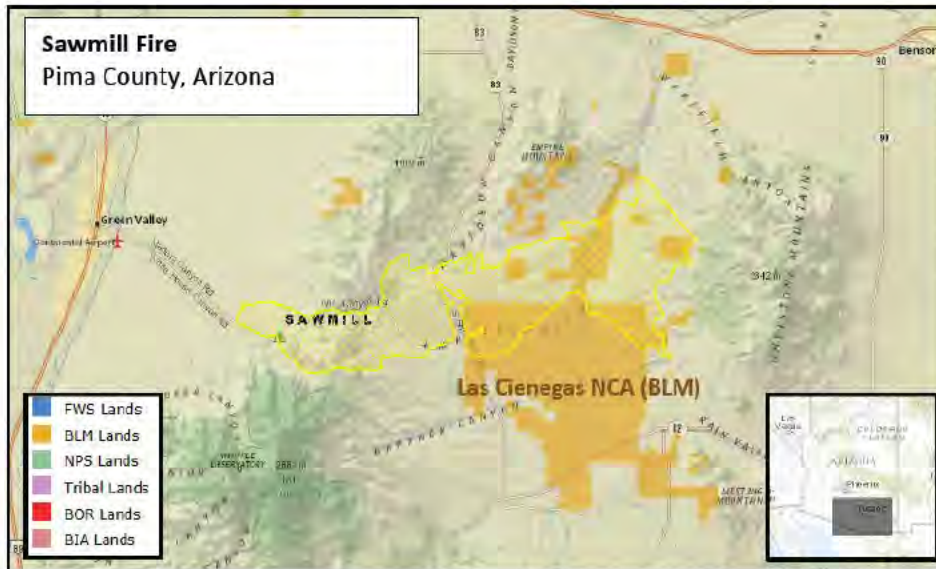
### **Arizona Fires**

#### **Sawmill Fire**

- Start Date: April 23
- Location: Pima County, AZ (State, USFS, and BLM lands)
- Burned Acres: 46,991 (no change)
- Containment: 96-percent (+2)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 242 (-64) / 57 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0 (no change)
- Evacuations / Sheltered in place: 0 (- 412) / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 3

Comments: Minimal fire behavior was observed during the reporting period. This incident will transition to a Type-4 IMT today. Mop-up operations continue and a temporary area closure is in effect for the BLM's Las Cienegas National Conservation Area.





IGEMS Image

## Georgia Fires

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 100,166 (+3,918)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 468 (-12) / 72 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 87 / 17 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the reporting period and portions of the Okefenokee NWR are temporarily restricted from public use. The firefighting objectives are to limit the fire's growth and to protect the high volume timber operations on private parcels in the fire area, historic structures, and the endangered Red cockaded woodpecker habitat on islands in the Okefenokee NWR.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 1, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows remain active above the pali near Pu‘u ‘Ō‘ō. Surface lava flows remain active above the pali, but these flows pose no threat to nearby communities at this time.

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 1, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data during the observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

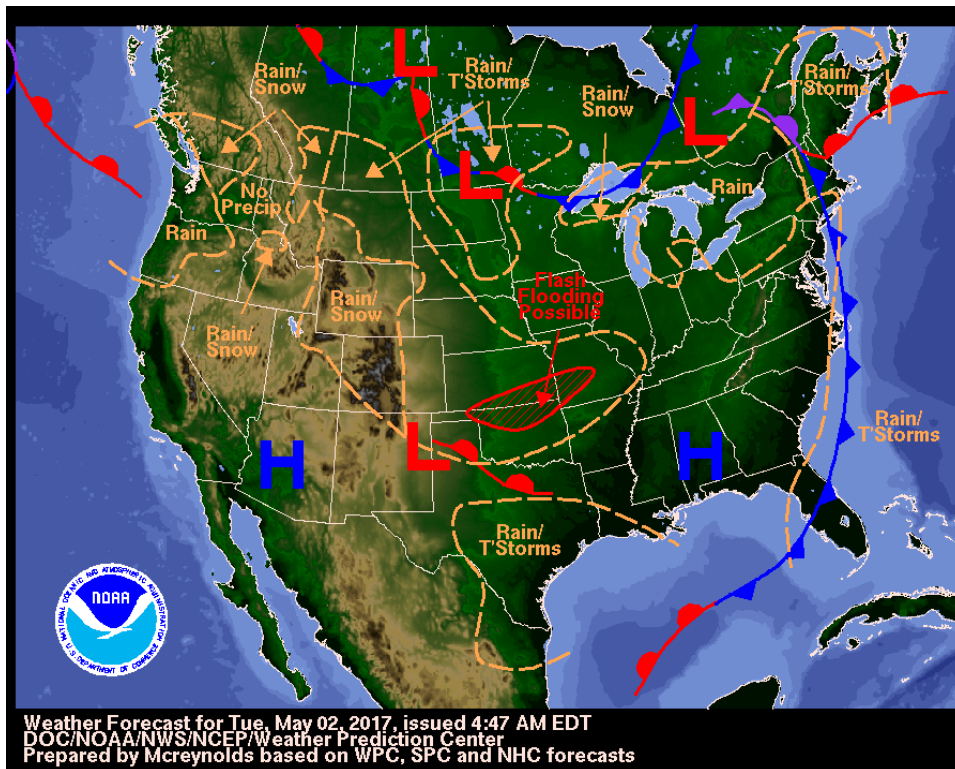
## Earthquake Activity

Source: U.S. Geological Survey – May 1, 2017

The USGS reported that a magnitude 6.2 earthquake occurred on May 1st at 8:31 a.m. EDT approximately 52 miles west-northwest of Skagway, Alaska at a depth of 12 miles. The USGS issued a Green PAGER Alert, indicating there is low likelihood of casualties or damage as a result of the earthquake.

## Significant National Weather

Source: National Weather Service - May 2, 2017



### **Today:**

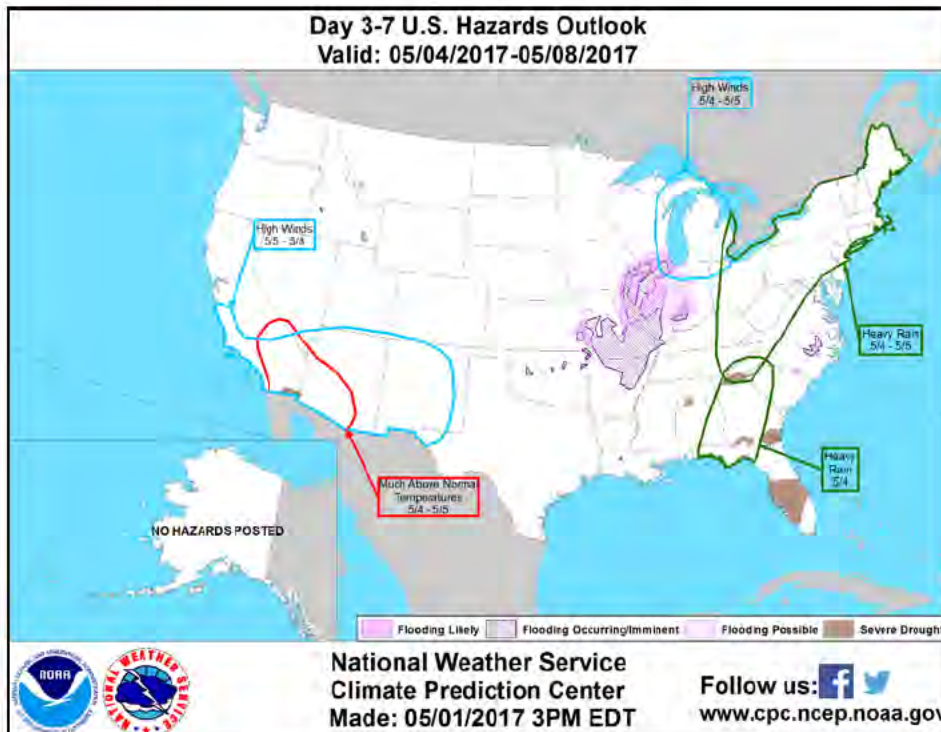
A frontal system will stretch from New England down the East Coast to central Florida and the Gulf of Mexico. Rain and thunderstorms will develop across New England, portions of the North Carolina coastal regions, and the Florida Peninsula. Rain is possible from the central Great Lakes to the Northeast. Another frontal system will drop into the upper Midwest. Rain and snow is likely for the western Great Lakes region. Showers and thunderstorms will develop across parts of the northern Great Plains. A storm system will slide out of the Four Corners into the Texas Panhandle. Rain and thunderstorms will develop across south Texas going into southwest Louisiana and from the central Plains to the western High Plains. Some of these showers and storms are expected to bring additional heavy rainfall to the Central Plains, where the ground is still saturated from recent heavy rains. Flash flooding will be possible for some

areas. Strong thunderstorms accompanied by some risk for severe weather may impact portions of the south central Plains this evening into the overnight hours, and perhaps portions of southeast Texas late tonight. Rain and snow is likely for the central and northern Rockies. Rain and snow will develop across portions of the Idaho mountains, Washington Cascades, and British Columbia mountains. Rain will also develop across the western parts of Oregon and Washington.

### Tomorrow:

One frontal boundary will extend from the Atlantic across south Florida. Rain and thunderstorms will be possible across the southern half of Florida. Another frontal system will extend from the Atlantic into the South to an area of low pressure over Oklahoma. Rain and thunderstorms will develop from the Gulf of Mexico north to the Great Plains and into the Midwest and Ohio valleys. Rain is expected to be heavy across the lower Mississippi Valley where there will be the possibility of flooding and flash flooding. Additional heavy rain, flooding, and flash flooding will be possible for the Midwest and lower Ohio Valley. Strong to severe thunderstorms will be possible from central/eastern Texas to the central Gulf Coast tomorrow into tomorrow night. A few of these storms will be capable of damaging winds, large hail, and a couple tornadoes. Rain and snow will be possible across the Colorado Rockies. To the north, a cold front will drop into the Northeast and New England. Rain will develop and stretch from the upper Ohio Valley to northern New England. High pressure will keep the weather dry and fair from the Rockies to the West Coast. The only exception will be some rain showers and rain and snow for northwest Washington and British Columbia.

### Weather Hazard Assessment



- May 2: Severe drought across parts of the Southeast, California, and Hawaii.
- May 2: Flooding is occurring, imminent, or likely for parts of the Carolinas, Idaho, western Montana, parts of the Great Plains, the lower and middle Mississippi Valley, and the Midwest.
- May 4: Heavy rain for parts of the Southeast.
- May 4-5: Heavy rain shifting north across parts of the eastern United States.
- May 4-5: High winds for parts of the Great Lakes.
- May 4-5: Much above-normal temperatures for parts of southern California and the desert Southwest.
- May 5-8: High winds shifting east from parts of California and the Southwest.
- May 9-10: A slight risk of much below-normal temperatures for parts of the Great Lakes, the Appalachians, the mid-Atlantic, and Northeast.

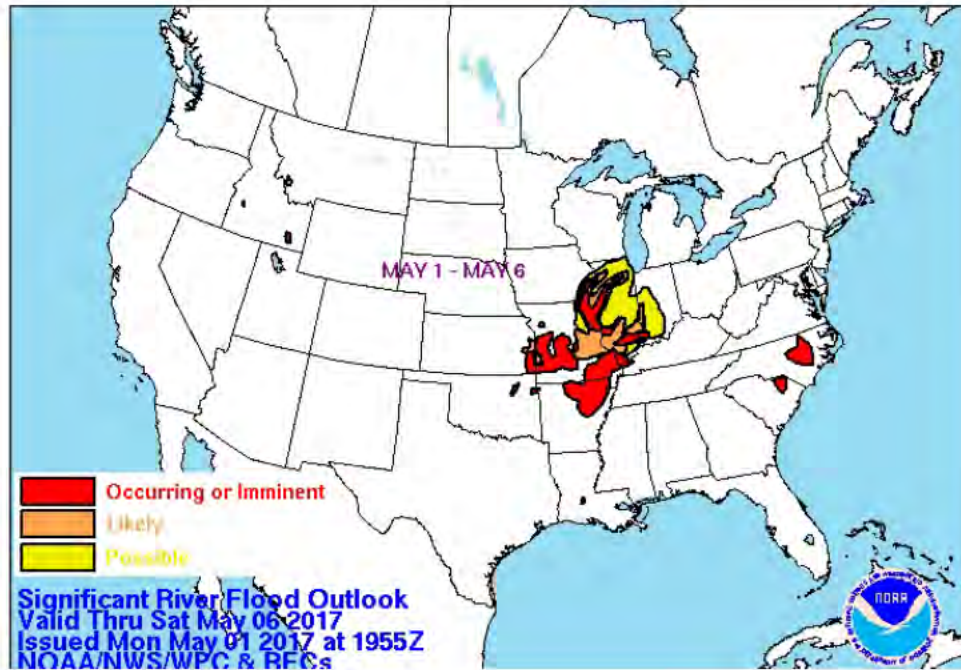
## Alaska Weather



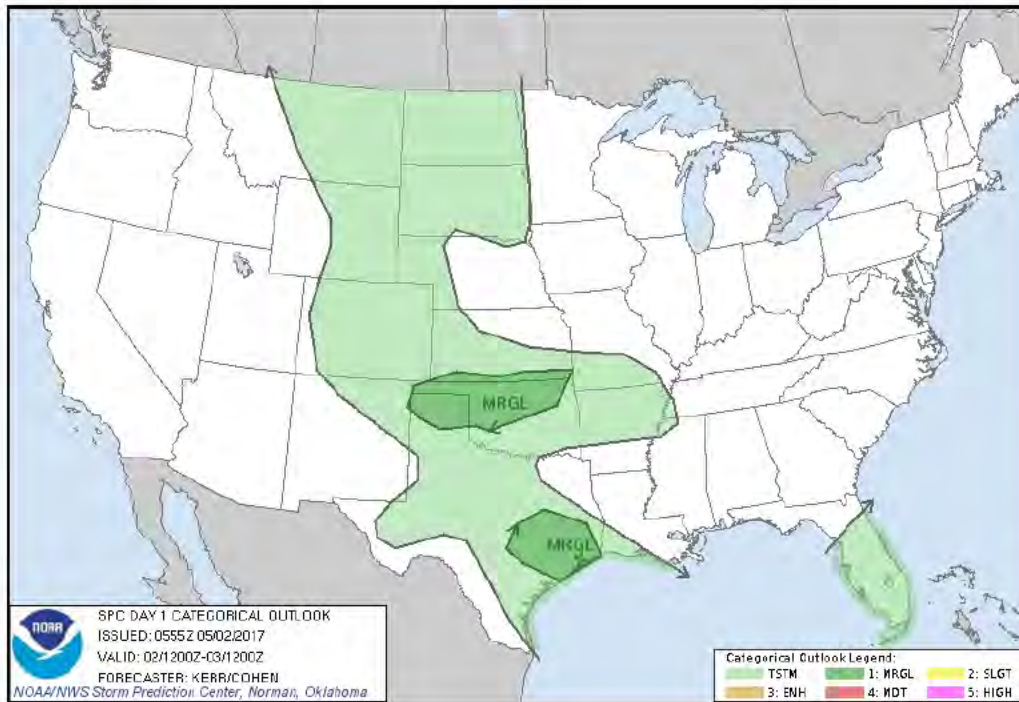
A Gale Warning is in effect across the Gulf of Alaska. There is a Small Craft Advisory in effect across the Aleutian Islands from Attu to Unimak, along the Alaskan Peninsula, Bristol Bay, and the waters off of St. Paul Island.

## Significant River Flooding

Flooding is occurring or imminent across portions of eastern North Carolina, north-central South Carolina, and throughout the middle and lower Mississippi River valleys. Flooding is likely in Missouri along the Osage and Mississippi Rivers and the surrounding area. Flooding is possible across portions western Indiana, Illinois, and eastern Missouri.

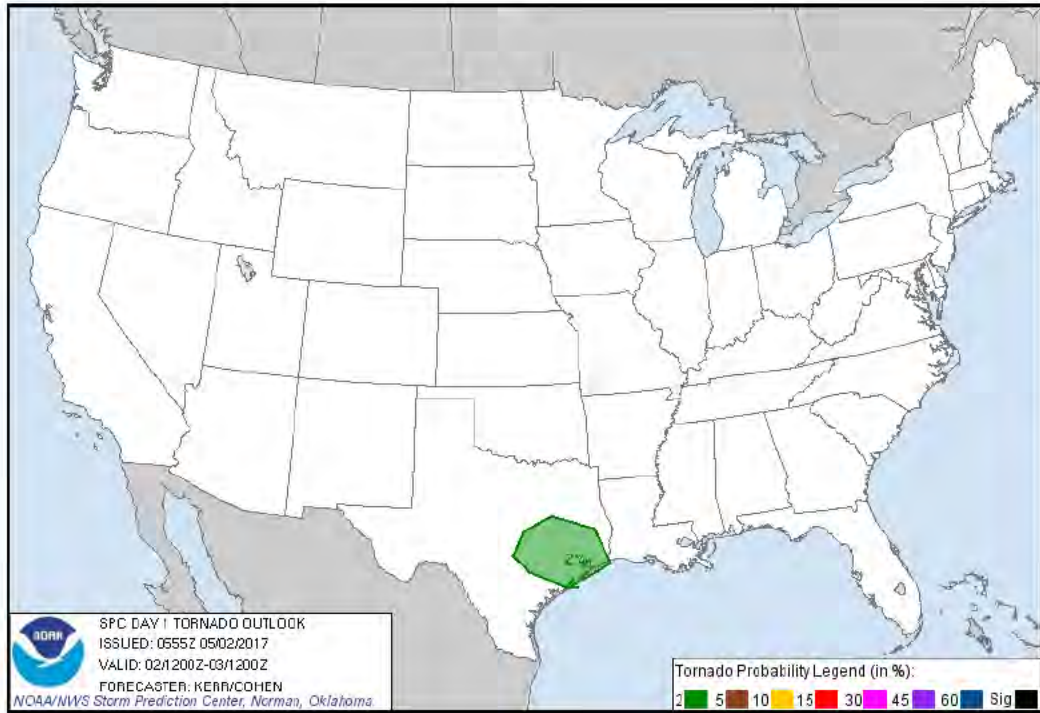


**Severe Weather**



There is a marginal risk of severe thunderstorms across parts of the south central Plains and parts of southeast Texas.

## Tornado Weather



There is a 2-percent chance of tornado activity today in southeast Texas.

## Fire Weather

There is Critical Fire Weather forecast today in southern New Mexico. There is Elevated Fire Weather forecast today in eastern Arizona, southern New Mexico, and western Texas.



## **Other News and Notes**

### **Major Disaster Declaration**

*Source: Federal Emergency Management Agency – May 2, 2017*

The state of North Dakota has requested a Major Disaster Declaration as a result of civil unrest by those protesting the Dakota Access pipeline during the period of August 10, 2016 to March 31, 2017. The request seeks \$38 million in reimbursement for expenses related to the protest, which the Governor described as an “intentional human-made disaster.”

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, May 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

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**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Central Plains and Midwest

### **General Situation**

*Source: Department of Homeland Security National Operations Center – May 3, 2017*

The National Weather Service (NWS) reports significant river flooding will continue to move through eastern Missouri, southern Illinois, and northeastern Arkansas. Another system of moderate to heavy rainfall will traverse the affected region through May 4.

Areas of precipitation will stretch from the mid-Mississippi Valley and the Ozarks through the central Gulf Coast with up to 4 inches of rain expected in some areas. The NWS has issued Flash Flood Watches across southeastern Kansas and northeastern Oklahoma into southern Illinois.

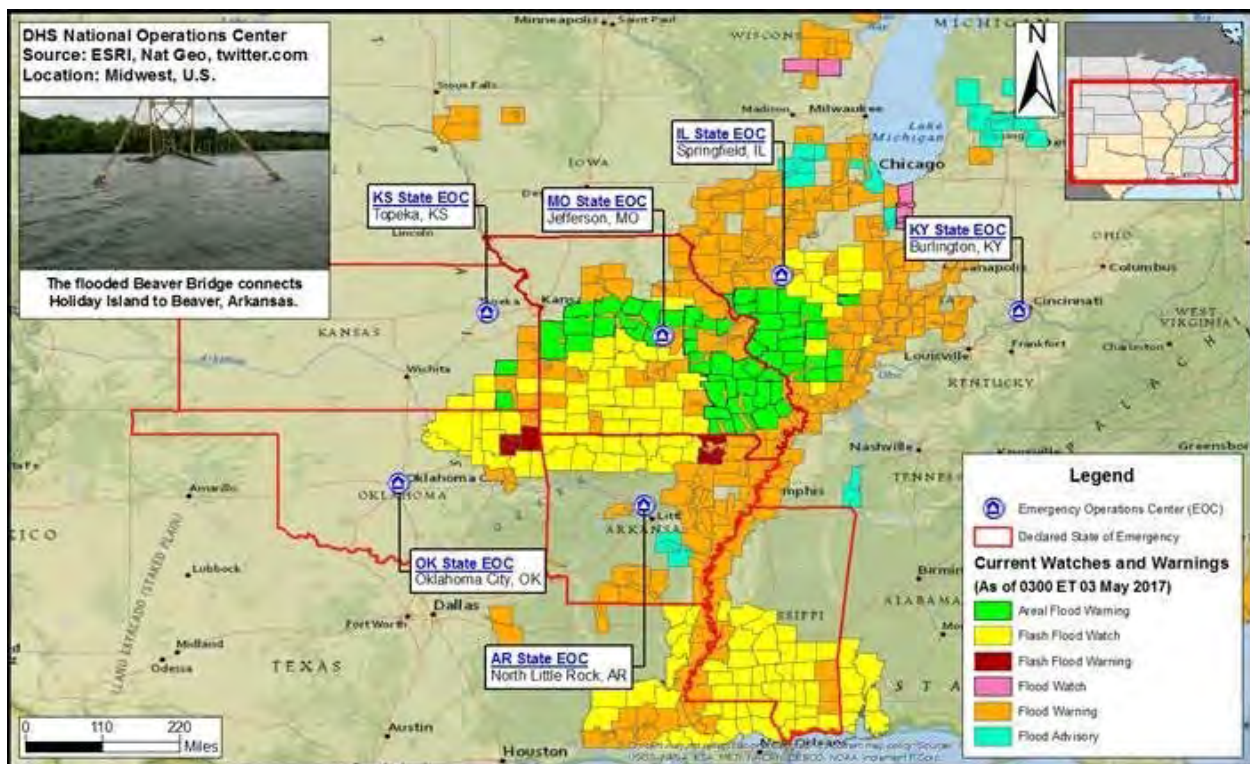
The Federal Emergency Management Agency (FEMA) reports 19 fatalities and 49 injuries have occurred as a result of flooding and severe weather. There are 19 shelters open with 292 occupants. In Missouri, I-44 is closed in both directions, and I-55 is closed south of St. Louis for a week. The U.S. Coast Guard (USCG) has closed a portion of the Mississippi River in the St. Louis area to all vessel traffic from mile marker 185.4 to mile marker 179, due to rising water levels and fast currents. The section of river is expected to remain closed for up to five days.

The Missouri State National Guard and the U.S. Army Corps of Engineers (USACE) continue to support efforts.

Mandatory evacuations are in effect for Pocahontas, Arkansas (pop. 6,600) due to overtopping of the Skaggs levee; Valley Park, Missouri (pop 7,000) due to potential levee failure threatening 324 homes; and Madison, Franklin, and Williamson Counties, Illinois, which is affecting approximately 100 homes.

The FEMA National Watch Center and FEMA Regions IV, and VII Regional Watch Centers (RWCs) remain at Steady State (Normal Operations); Regions V and VI RWCs are at Enhanced Watch. Region VII's Regional Response Coordination Center (RRCC) is activated to Level III (Day Shift Only). FEMA Liaison Officers remain deployed to the Missouri and Arkansas State Emergency Operations Centers (SEOCs). The Missouri SEOC remains at Full Activation. The Arkansas, Oklahoma, Kansas, and Illinois SEOCs remain at Partial Activation, while the Kentucky SEOC is at Monitoring. The Governors of Arkansas, Kansas, Missouri, Mississippi, and Oklahoma have declared States of Emergency.

The National Infrastructure Coordinating Center reports there are no known/reported impacts to national critical infrastructure.



DHS Graphic

## **United States Geological Survey Flood Response Activity**

*Source: U.S. Geological Survey (USGS) – May 2, 2017*

### ***Missouri***

Flooding along large rivers continues in central and eastern Missouri. Large drainage basin flooding continues to rise and set record (or near record) crests in the Gasconade, Bourbeuse, Meramec, and the lower Mississippi basins.

Preliminary comparisons identify many flood peaks near 1% Annual Exceedance Probability (AEP) with some more moderate drainage area flooding at gage locations identified near 0.2% AEP. Over 100 evacuations and water rescues have been performed. Traffic along Interstate-44 continues to be rerouted due to floodwaters. Over 30 gages have experienced a period of record peaks with a total of 9 gages impacted and damaged to some degree by floodwaters. Approximately half of these gages have had function restored. Ten crews are conducting High Water Mark and flow measurements.

### ***Illinois***

Flooding continues statewide in Illinois with the most significant flooding occurring in southern Illinois. The flooding is a result of rains that fell April 28-30.

Approximately 44 streamgages in Illinois are above the flood stage. Two streamgages are in the Major Flooding category and three streamgages are in the Moderate Flooding category. All streamgages in the flooded areas appear to be functioning properly. Most streamgages indicate that water levels are cresting or are starting to recede. Another rain system is expected to move into the area in the next three days with an additional 3-4 inches of rain predicted. Eight crews have been deployed to make discharge measurements and ensure proper streamgage operation.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 3, 2017*

The Incident Status Summary (ICS-209) for the **Sawmill Fire**, which is burning within BLM's Las Cienegas National Conservation Area, was not updated yesterday; therefore, the fire will not be summarized in today's report.

## **Georgia Fires**

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 100,517 (+351)
- Containment: 8-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 466 (-2) / 72 (no change)

- Structures Threatened-Single-Mixed Residential/Commercial: 87 / 17 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the reporting period and portions of the Okefenokee NWR remain closed to public use. A Type-1 IMT will assume command today, May 3. The firefighting objectives are unchanged and are to limit the fire's growth and to protect the high volume timber operations on private parcels in the fire area, historic structures, and the endangered Red cockaded woodpecker habitat on islands in the Okefenokee NWR.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 2, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at the summit and at Pu'u 'Ō'ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows appear to remain active above the pali near Pu'u 'Ō'ō. These flows pose no threat to nearby communities.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 2, 2017

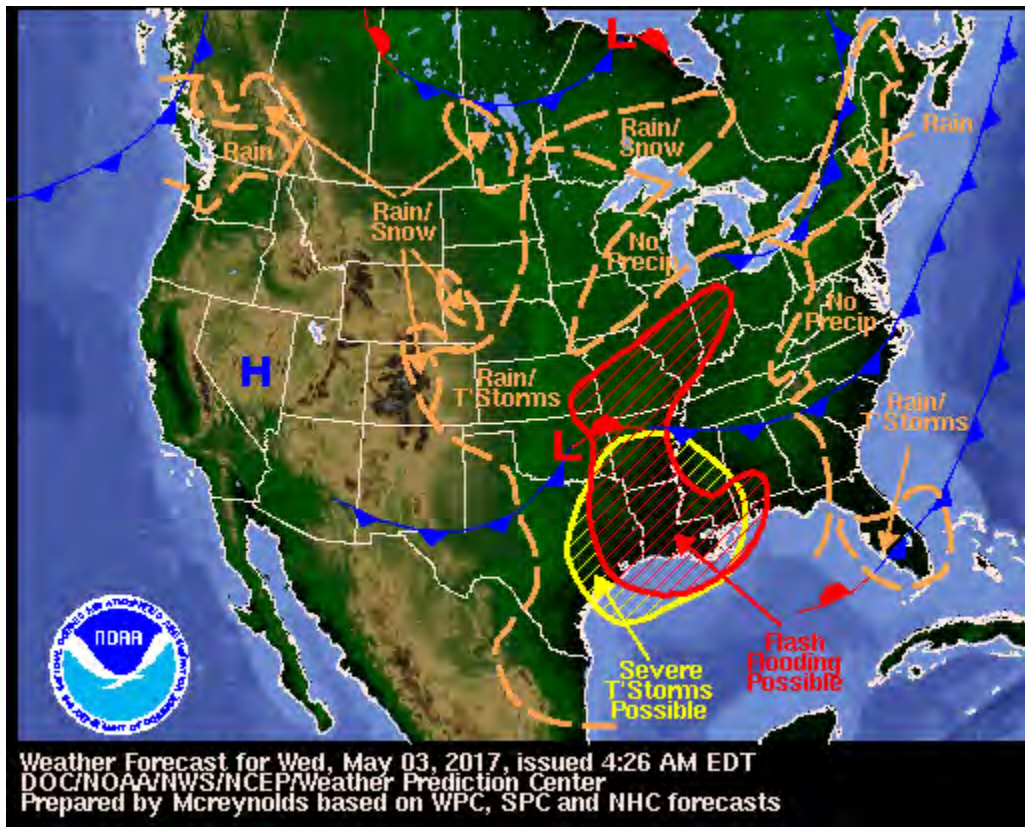
Alert Level = WATCH

Color Code = ORANGE

No significant activity was observed in satellite, seismic, or infrasound data during the observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## Significant National Weather

Source: National Weather Service - May 3, 2017



Today:

Another frontal boundary will extend from the Carolinas to an area of low pressure over Oklahoma, then back into the southwest Plains. Rain and thunderstorms will develop from the Gulf of Mexico northward to the Ohio Valley, central Plains, and the upper Midwest. One or two organized clusters of thunderstorms are expected to evolve across parts of eastern Texas and southeastern Oklahoma through the lower Mississippi Valley and northwest Gulf coast region

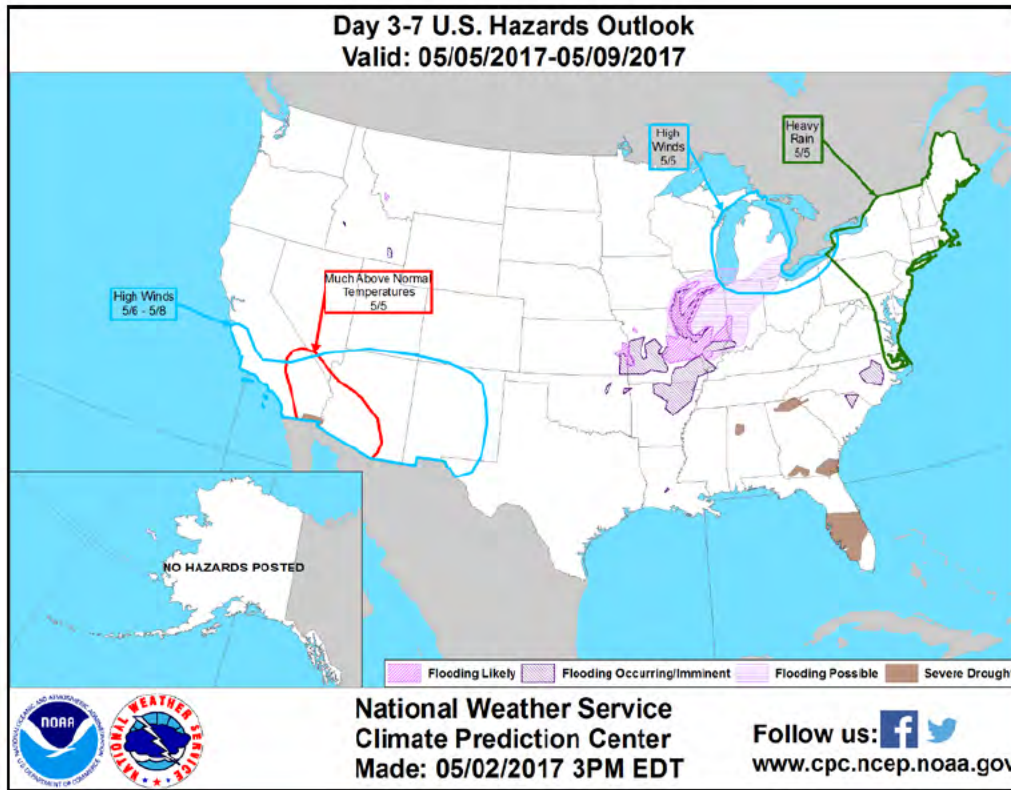
today into tonight. Activity will initially be accompanied by a risk for severe hail, before the risk for damaging wind gusts becomes more prominent. A few tornadoes are also possible. Heavy rainfall and flash flooding will be possible, with the greatest flash flooding threat expected across the lower to mid-Mississippi Valley and the Midwest. A few areas of rain and snow will develop along the lee of the Colorado Rockies, the western-central Plains, central Canada into north-central North Dakota, and the northern Great Lakes. A cold front dropping into the Northeast and New England will produce rain showers in the eastern Great Lakes. High pressure over Nevada will produce fair and dry weather for the remainder of the Rockies, the interior Northwest, the Great Basin, the Four Corners, and the desert Southwest.

### **Tomorrow:**

Rain and thunderstorms are expected from the eastern Gulf of Mexico northward through the Southeast into the Ohio Valley and the mid-Atlantic. A few strong to severe thunderstorms will be possible from the Southeast to the Carolinas tomorrow into tomorrow night. Heavy rain will also develop across portions of the Midwest, the Ohio Valley, and the western Florida Panhandle. Flash flooding will be possible for these regions. Rain is likely from the mid-Mississippi Valley to the central Great Lakes into the Northeast. Rain and snow showers are likely in the western Great Lakes region. Strong high pressure will continue to produce fair and dry weather for the Great Plains, the Rockies, the Four Corners, and the desert Southwest. Rain and thunderstorms will be possible into Oregon and northern California. An isolated thunderstorm will also be possible for the central Sierras. Isolated severe storms may also develop across parts of the Pacific Northwest tomorrow afternoon and evening.

### **Weather Hazard Assessment**

- May 3: Severe drought across parts of the Southeast, California, and Hawaii.
- May 3: Flooding is occurring, imminent, or likely for parts of the Carolinas, Louisiana, Idaho, western Montana, for parts of the Great Plains, lower to middle Mississippi valleys, and the Midwest.
- May 5: Heavy rain for much of the mid-Atlantic and the Northeast.
- May 5: High winds for parts of the Great Lakes.
- May 5: Much above-normal temperatures for parts of southern California and the desert Southwest.
- May 6-8: High winds shifting east from parts of California to the southwestern United States.
- May 10-11: A slight risk of much below-normal temperatures for the Great Lakes, the Appalachians, the mid-Atlantic, and the Northeast.

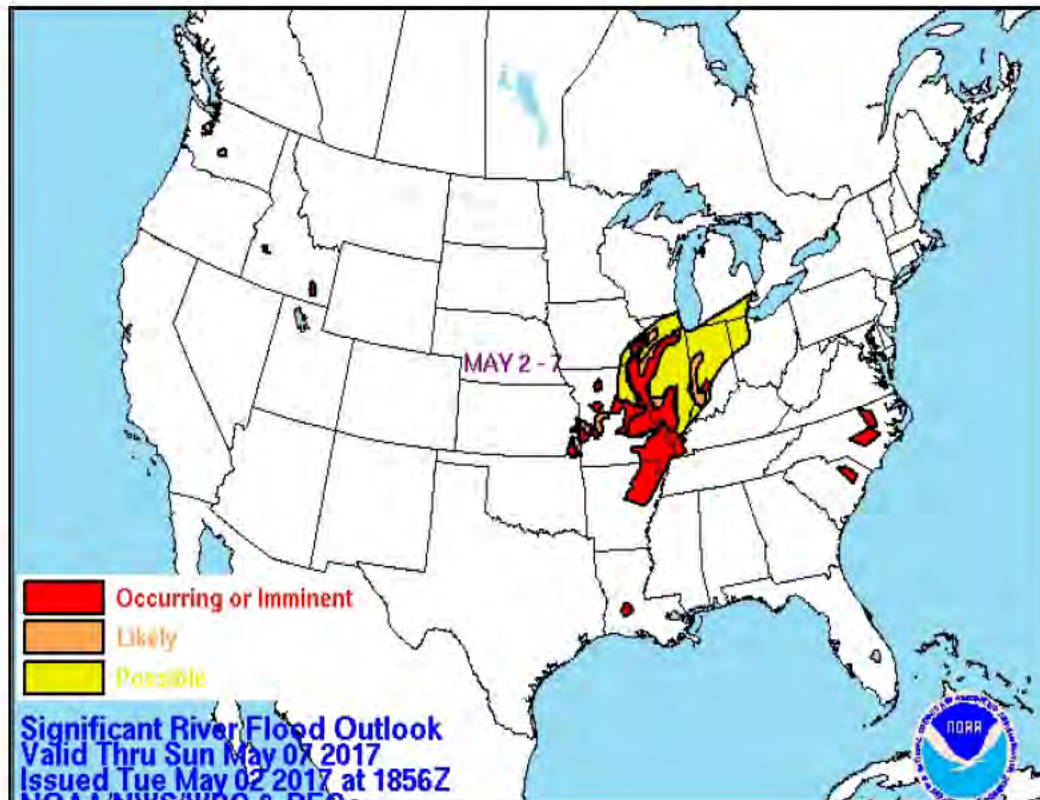


### Alaska Weather



A Storm Warning and Gale Warnings are in effect for the western Aleutians and the Gulf of Alaska. There is a Small Craft Advisory in effect along the central Aleutian Islands (Bering Side), from Adak to Bristol Bay, the Pacific side from Seguam to Castle Cape, the Kuskokwim Delta and Etolin Strait, and the Pribilof Islands waters.

### Significant River Flooding



Flooding is occurring or imminent across portions of eastern North Carolina, north-central South Carolina, south-central Louisiana, and across the middle and lower Mississippi valleys. Flooding is likely across the Ohio River Valley and along the Osage River in Missouri. Flooding is possible from the Great Lakes region through the Ohio River Valley and middle Mississippi River Valley.



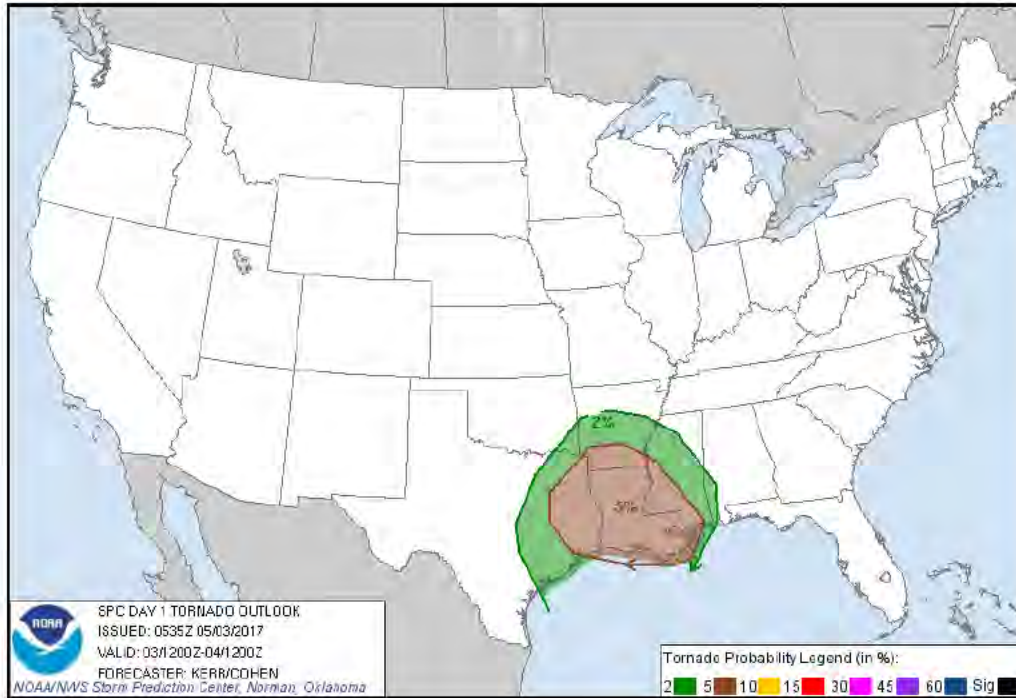
## Severe Weather



There is an Enhanced Risk of severe thunderstorms across parts of eastern Texas, southwestern Mississippi, southern Arkansas, and Louisiana. A Slight Risk of severe thunderstorms exists across surrounding areas of eastern Texas, the lower Mississippi Valley, and the northwestern Gulf Coast region. A Marginal Risk of thunderstorms range as far northeast as portions of the Tennessee Valley.

## Tornado Weather

There is a 5-percent chance of Tornado activity in the parts of eastern Texas, southwestern Mississippi, southern Arkansas, and Louisiana. There is a 2 percent chance of Tornado activity in surrounding areas.



## Fire Weather

There is no Critical Fire Weather forecast for today.

## Other News and Notes

### **President Trump Approves Major Disaster Declaration for the Resighini Rancheria**

*Source: Federal Emergency Management Agency – May 2, 2017*

The FEMA announced that federal disaster assistance has been made available for the Resighini Rancheria to supplement the tribe's recovery efforts in areas affected by flooding from February 8 to February 11, 2017. Federal funding is available to Resighini Rancheria on a cost-sharing basis for the repair or replacement of facilities damaged by flooding on the Resighini Rancheria. Federal funding is also available to the tribe on a cost-sharing basis for hazard mitigation measures.

Timothy J. Scranton has been named as the Federal Coordinating Officer for federal recovery operations in the affected area. Scranton said additional designations may be made at a later date if warranted by the results of damage assessments.

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, May 4, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Central Plains and Midwest

### **General Situation**

*Source: Department of Homeland Security National Operations Center – May 4, 2017*

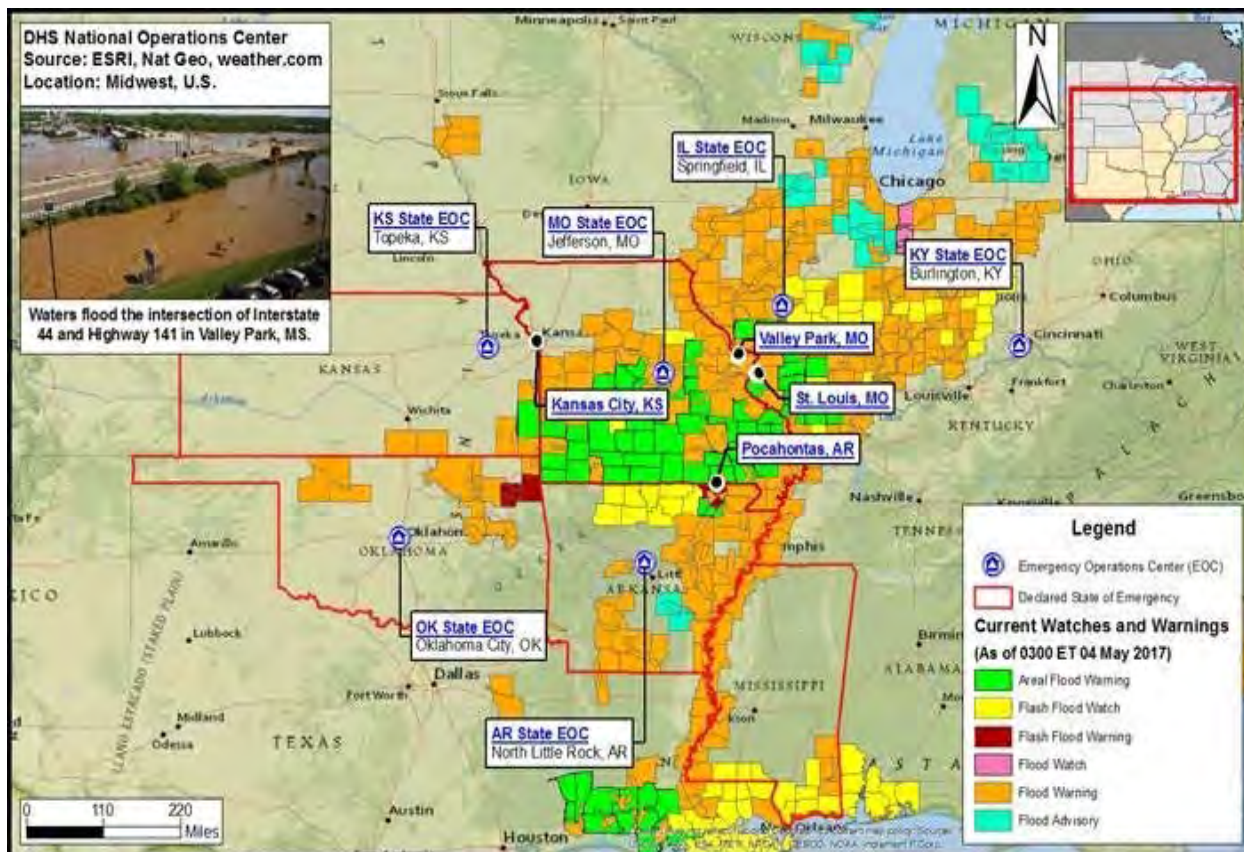
The National Weather Service (NWS) reports another storm system brought heavy rainfall across southeast Texas into southern Louisiana. The Storm Prediction Center has indicated a moderate to high risk for flash flooding potential across this region. The same system will also bring moderate to heavy rainfall to parts of Missouri into the Ohio Valley through Thursday, May 4.

The Federal Emergency Management Agency (FEMA) reports 19 fatalities and 49 injuries have occurred as a result of flooding and severe weather. There are now 16 shelters open with 251 occupants. Mandatory evacuations remain in effect for: Pocahontas, Arkansas due to a levee breach affecting 100 people; Valley Park, Missouri due to potential levee failure threatening 324 homes; and Madison, Franklin, and Williamson Counties in Illinois, affecting approximately 100 homes. Nine levee breaches have been identified in Randolph County, Arkansas, of which three are categorized as major.

Sections of Interstates I-44 and I-55 in Missouri are closed in both directions, causing a detour for commerce of several hundred miles. Amtrak's Missouri River Runner train service is suspended between Kansas City and St. Louis through May 6. The Mississippi River remains

closed to all vessel traffic in the St. Louis area from mile marker 185.4 to mile marker 179, due to rising water levels and fast currents. The section of river is expected to remain closed for four more days.

The FEMA National Watch Center and FEMA Regions IV, and VII Regional Watch Centers (RWCs) remain at Steady State (Normal Operations); Regions V and VI RWCs are at Enhanced Watch. Region VII's Regional Response Coordination Center (RRCC) is activated to Level III (Day Shift Only). The FEMA Liaison Officers remain deployed to the Missouri, Illinois, and Arkansas State Emergency Operations Centers (SEOCs). The Missouri SEOC remains at Full Activation. The Arkansas, Oklahoma, and Illinois SEOCs remain at Partial Activation, while the Kentucky and Kansas SEOCs have returned to normal operations. The Governors of Arkansas, Kansas, Missouri, Mississippi, and Oklahoma have declared States of Emergency. The U.S. Army Corps of Engineers has deployed 134 personnel to assist with the Midwest flood fight activities. The Arkansas State National Guard has deployed security and water rescue assets to Clay, Randolph and Lawrence Counties. Missouri State National Guard members also continue to support flood response efforts.



DHS Graphic

## **United States Geological Survey Flood Response Activity**

*Source: U.S. Geological Survey (USGS) – May 3, 2017*

### ***Missouri***

Flooding within the Gasconade and Meramec Basin continues. Major flooding is still occurring along portions of the lower main stem of the Missouri River and Mississippi River. Many streamgage peaks are revealing preliminary 1-percent and 0.2-percent Annual Exceedance Probability (AEP) estimates. Gages in the lower Meramec River are reaching near record levels, very similar to flooding in December 2015. Gages in the lower Mississippi River main stem are approaching record levels with the strong potential for additional overflow measurements at previously unrepaired levee breaches that occurred back in 2015. Thirty streamgages are setting new peak of record flows.

Measurements continue in the anticipated "near" or "at" record level Meramec River basin. Special measurements continue for the U.S. Army Corps of Engineers (USACE) to define spill curves for Clearwater Lake and other measurements made along the Meramec to assess attenuation, storage, and backwater-affected flows. A total of nine gages have been impacted by floodwaters, and all but two of the gages are back online and transmitting. Peak verifications (High Water Marks (HWM's) and leveling) are complete at 20 gages severely impacted by floodwaters. Crews have performed 88 discharge measurements since the beginning of the event.

### ***Illinois***

Thirty-three streamgages in Illinois are above NWS flood stage. In general, the headwater sites have peaked and are back down, but there are still three in major flood stage. Moderate and major flooding is at the downstream-most streamgages of the largest basins including the Illinois, Big Muddy, and Kaskaskia basins. All streamgages in the flooded areas appear to be functioning properly. Eight USGS crews consisting of two personnel each have made more than 40 discharge measurements, assessed streamgage damage, and flagging HWM's. Two crews are also taking water quality samples at Illinois Superstations.

### ***Indiana***

The Indianapolis office of the Indiana-Kentucky Water Science Center (IN-KY WSC) is in the fourth day of flood response. The lower Patoka River is in major flood stage and is still rising. Larger basins like the Wabash and White Rivers are only in minor category levels at this time. Another round of heavy rain is forecast to pass over the majority of the state within the next 24 hours.

The IN-KY WSC has four crews (eight personnel) out making discharge measurements and verifying gages in affected areas of the state. Thirty-eight discharge measurements have been performed for the event. Two unmanned aerial vehicles are available for remote imagery and sensing as needed.

## Arkansas

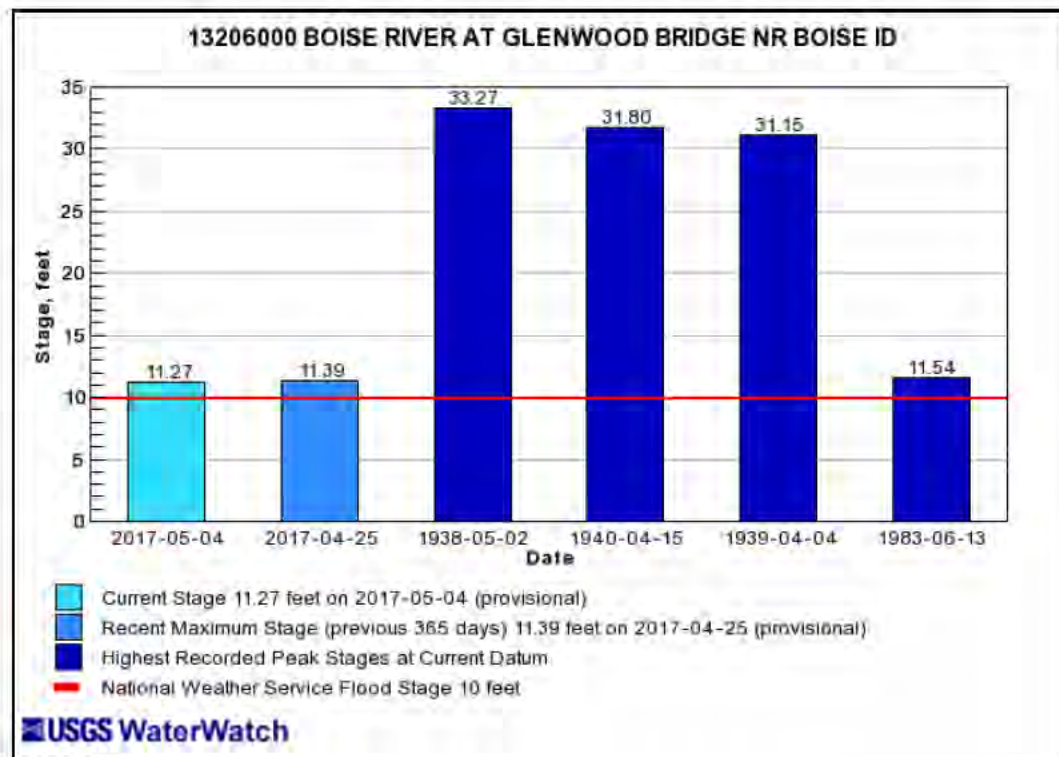
The focus of the flood event has shifted to the larger rivers in Arkansas. The flow of the tributaries of these rivers are on the decline. The Black River at Pocahontas is experiencing record peaks and the majority of the town has been evacuated due to flood waters exceeding the levee system around the town. Two USGS crews (four personnel) are performing discharge measurements, assessing streamgauge damage, and flagging HWM's. USGS will continue to monitor the Black, Arkansas, and the White Rivers as the crest moves downstream. One streamgauge has been destroyed and one is being repaired.

## Northern Great Basin Flood Response

Source: U.S. Geological Survey (USGS) – May 3, 2017

## Idaho

Over the interior Pacific Northwest, the USGS has been supporting flood response operations as significant snowmelt driven streamflows have led to flooding, particularly on the Boise River. With 200-percent of the normal snowpack driving significant streamflows, USGS installed three rapid deployment gages in the Boise, Idaho vicinity to monitor flood flows and provide additional data for water management and emergency management decisions.



USGS Graphic

## **Wildland Fire Activity**

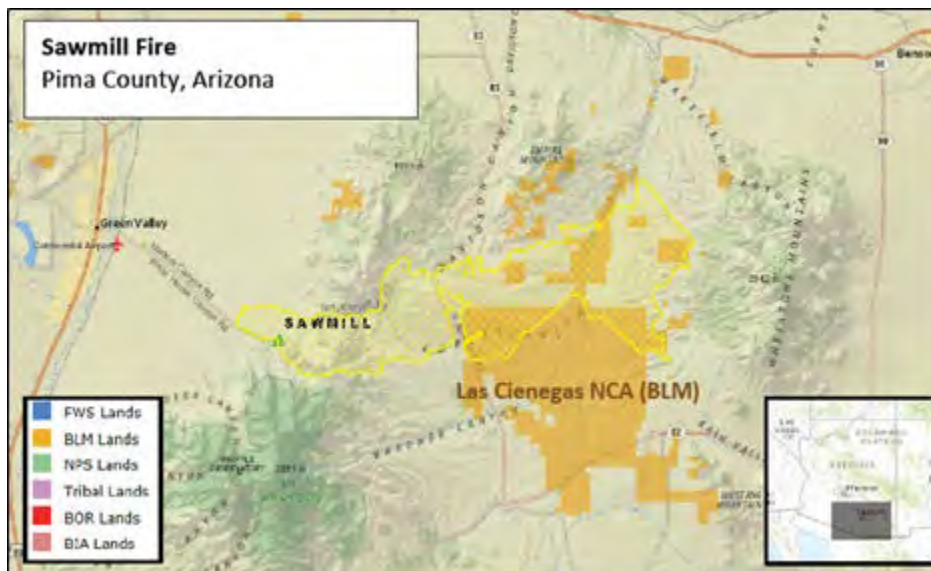
*Source: Fire and Aviation Management Website - May 3, 2017*

### **Arizona Fires**

#### **Sawmill Fire**

- Start Date: April 23
- Location: Pima County, AZ (State, USFS, and BLM lands)
- Burned Acres: 46,991 (no change)
- Containment: 96-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 33 (-209) / 3 (-54)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0 (no change)
- Evacuations / Sheltered in place: 0 (- 412) / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: May 4

Comments: Minimal fire behavior was observed during the reporting period. Command expects 100-percent containment today. Mop-up operations continue and a temporary area closure is in effect for the BLM's Las Cienegas National Conservation Area.



IGEMS Image



## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 107,846 (+7,329)
- Containment: 8-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 492 (+26) / 79 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 87 / 17 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire activity picked up yesterday, when relative humidity dropped below 30-percent. Fire continues to progress south on Billy's Island. Within the fire perimeter, a large unburned area around Strange Island exists as fuels continue to dry and become available. In the southeast corner of the fire, between Soldiers Island and the east swamp edge break, fire continues backing to the south. A Type-1 IMT assumed command on May 3 at 8:00 pm EDT. The firefighting objectives are unchanged and are to limit the fire's growth and to protect the high volume timber operations on private parcels in the fire area, historic structures, and the endangered Red cockaded woodpecker habitat on islands in the Okefenokee NWR.



USFWS Images

## **Volcano Activity**

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit in Halema‘uma‘u Crater and at Pu‘u ‘Ō‘ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Surface flows appear to remain active above the pali near Pu‘u ‘Ō‘ō. These flows pose no threat to nearby communities.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data during the observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Significant National Weather**

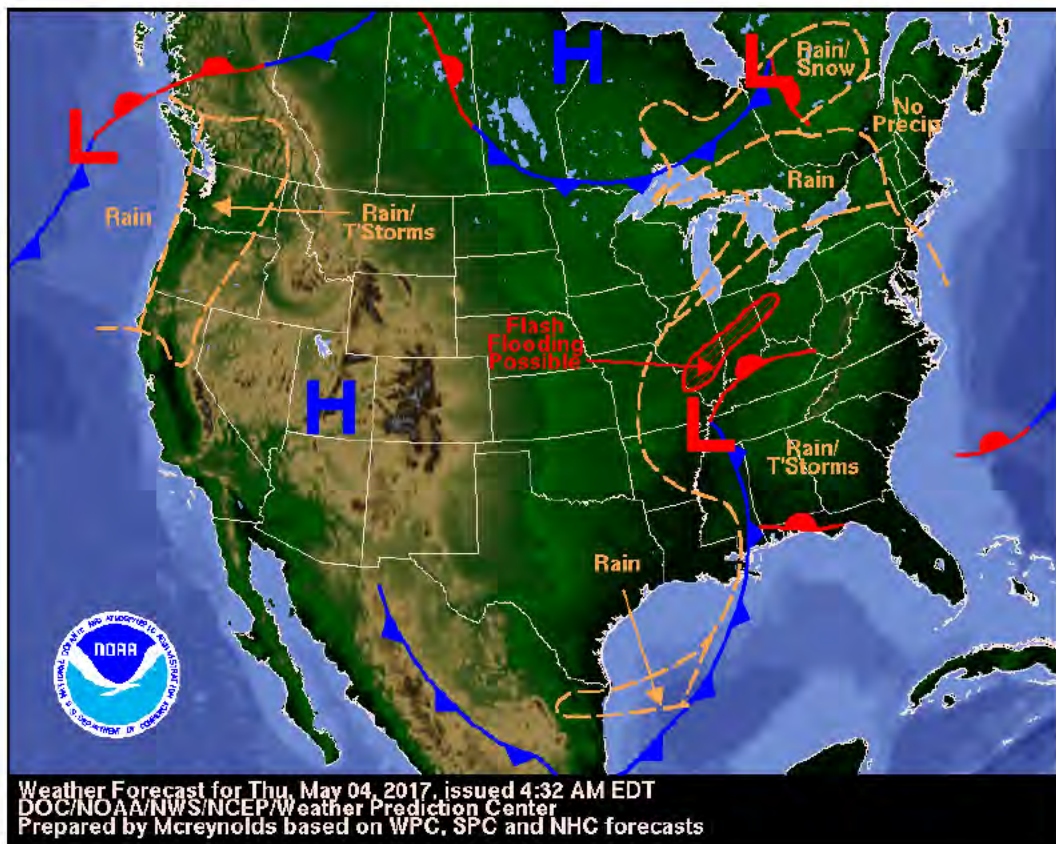
*Source: National Weather Service - May 4, 2017*

### **Today:**

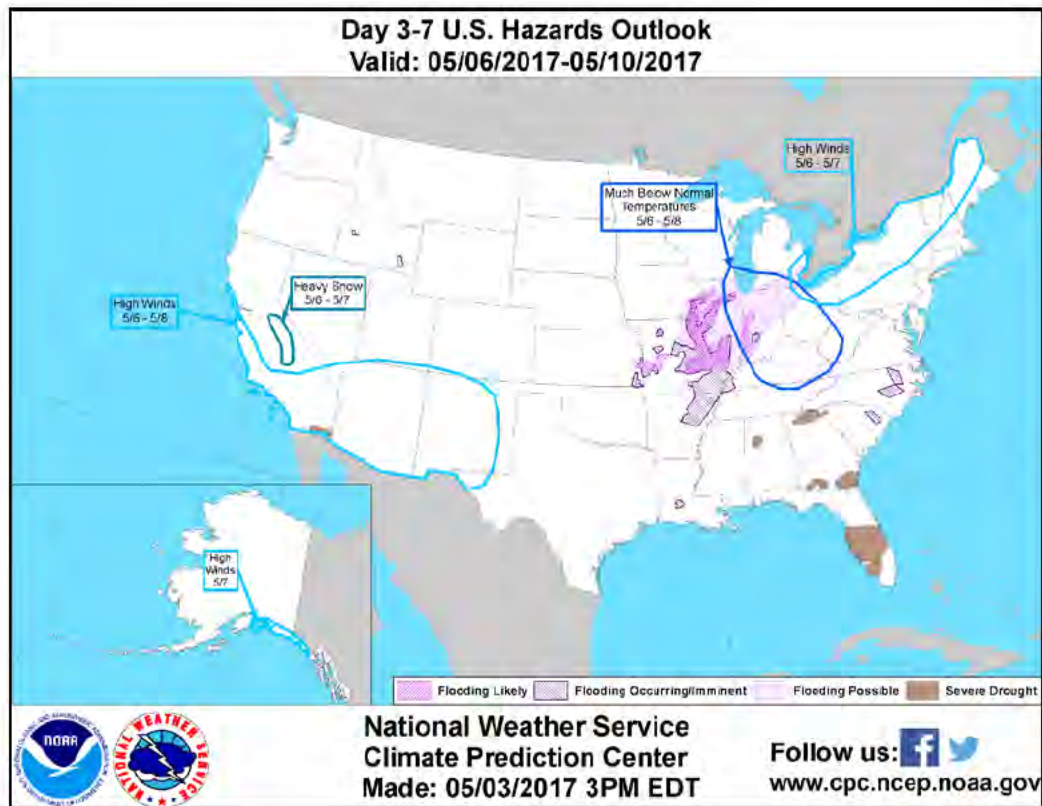
A vigorous area of low pressure will move into the lower Ohio River Valley. Rain and thunderstorms will develop across the Northeast, the mid-Atlantic, the Ohio Valley, the Midwest, and Southeast today. A few of these thunderstorms could be severe into this evening across portions of the lower and middle Ohio Valley, the Southeast, and mid-Atlantic regions. Additionally, rain is forecast to be heavy across portions of Illinois, Indiana, and Ohio, thus producing the possibility of additional flooding and flash flooding. Rain is also expected across the eastern Great Lakes and upstate New York. Rain and thunderstorms will also develop across parts of Washington, Oregon, and northern California. A few of these thunderstorms could also reach severe limits today. Elsewhere, across the remainder of the West and Great Plains will be warm and dry today as high pressure remains in place. Temperatures will be well above average across these regions with afternoon high temperatures expected to be 10 to 20 degrees above average through tomorrow.

## Tomorrow:

Low pressure will linger over the Midwest and lower Ohio Valley region. A frontal system will stretch out from it into the mid-Atlantic then down the East Coast to southern Florida and the Gulf of Mexico. Rain and thunderstorms will develop across the upper Ohio Valley, the Northeast, the mid-Atlantic, and the Florida peninsula. A few strong to severe thunderstorms will be possible across the mid-Atlantic tomorrow morning into the afternoon hours. Cold rain will extend from the southern Appalachians north through the Midwest, the Great Lakes, and into northern New England. Rain and snow showers will be possible for the western Great Lakes region. A cold front will extend through the Northwest to central California. Rain will be found along the coast from northern California to Washington. Rain and snow are possible for the Cascades and the northern Sierras. Rain and thunderstorms will develop across the northern Rockies and northern Great Basin. A few of these storms could be severe across the interior Pacific Northwest. Elsewhere, fair and dry weather will continue for the Great Plains, the Four Corners, and Desert Southwest. A few lone thunderstorms could develop across the lower Four Corners.



## Weather Hazard Assessment



- May 6-7: Heavy snow for the southern Sierra Mountains.
- May 6-7: High winds across portions of the Great Lakes and the Northeast.
- May 7: High winds across portions of the Alaska Panhandle and southern mainland Alaska.
- May 6-8: High winds shifting east from parts of California to the southwestern U.S.
- May 6-8: Much below normal temperatures across portions of the Great Lakes, the central Appalachians, and the Ohio Valley.
- May 11-13: Heavy precipitation across portions of the northern and central Great Basins, and the northern and central Rockies.
- May 11-13: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- Severe Drought across the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.

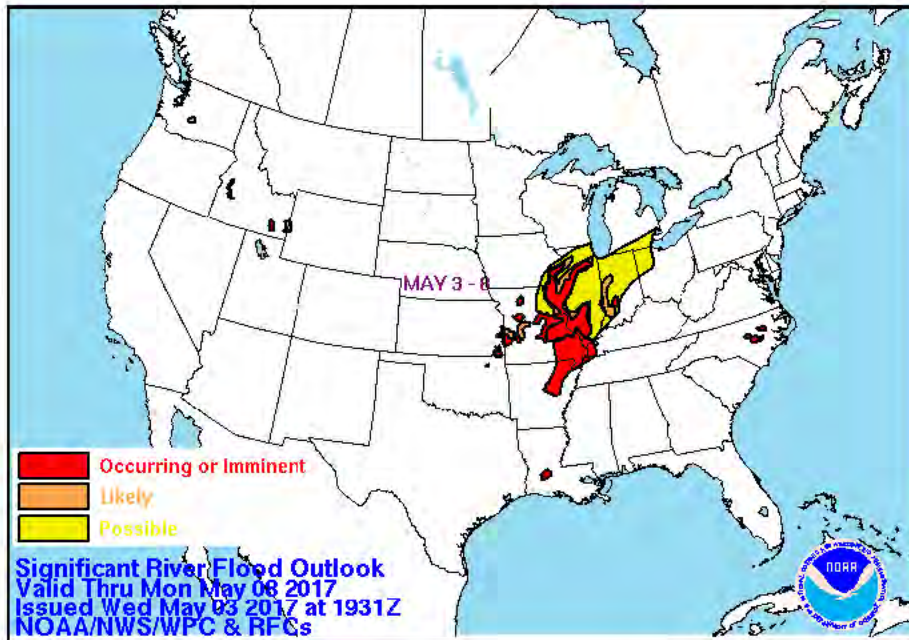
## Alaska Weather



A Gale Warning are in effect for most of the Aleutian Islands, Bering Sea Offshore, and the Gulf of Alaska. There is a Small Craft Advisory in effect from St. Matthew Island to Bristol Bay, Port Heiden to Cape Sarichef, Shuyak Island to Sitkinak, the Cook Inlet, the Barren Islands, and from Dixon Entrance to Cape Edgecumbe Fairweather.

### Significant River Flooding

Flooding is occurring or imminent across portions of eastern North Carolina, south-central Louisiana, southeastern Idaho, and across the middle and lower Mississippi valleys. Flooding is likely in central Missouri, northern Illinois, western Indiana, eastern Idaho, and central Washington. Flooding is possible from the Great Lakes region through the Ohio River Valley and the middle Mississippi River Valley.



### Severe Weather



There is a Marginal Risk of severe thunderstorms across portions of the lower Ohio River Valley, the Southeast, the southern mid-Atlantic, Tennessee Valley, and portions of the Pacific Northwest.

## Tornado Weather



There is a 2-percent chance of Tornado activity in portions of the lower Ohio River valley, the Southeast, the southern mid-Atlantic, and the Tennessee Valley.

## Fire Weather

There is no Critical Fire Weather forecast for today.

## Other News and Notes

### **Wildlife Recovery Following the Exxon Valdez Oil Spill was Highly Variable Across Species**

*Source: U.S. Geological Survey – May 2, 2017*

Thanks to a quarter-century of research and monitoring, scientists now know how different wildlife species were injured by the 1989 Exxon Valdez oil spill and how long it took for populations to recover. This information may have important implications when responding to other oil spills, when conducting damage assessment studies after spills, and when considering the environmental risks associated with extracting and shipping oil.

“Because wildlife species in the spill area vary so much in terms of what they eat, habitats that they use, and their ability to rebound after a drop in numbers, researchers saw huge differences in how long it took for populations to recover,” said Dan Esler, a Research Wildlife Biologist with the USGS and lead author of a recently released paper on the subject. “Some species were barely affected, others such as bald eagles, rebounded quickly, and other species took much longer to recover, such as sea otters.”

To read more about this, visit:

[https://www.usgs.gov/news/wildlife-recovery-following-exxon-valdez-oil-spill-was-highly-variable-across-species?qt-news\\_science\\_products=3#qt-news\\_science\\_products](https://www.usgs.gov/news/wildlife-recovery-following-exxon-valdez-oil-spill-was-highly-variable-across-species?qt-news_science_products=3#qt-news_science_products)

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



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## Severe Weather - Central Plains and Midwest

### **General Situation**

*Source: Department of Homeland Security National Operations Center – May 5, 2017*

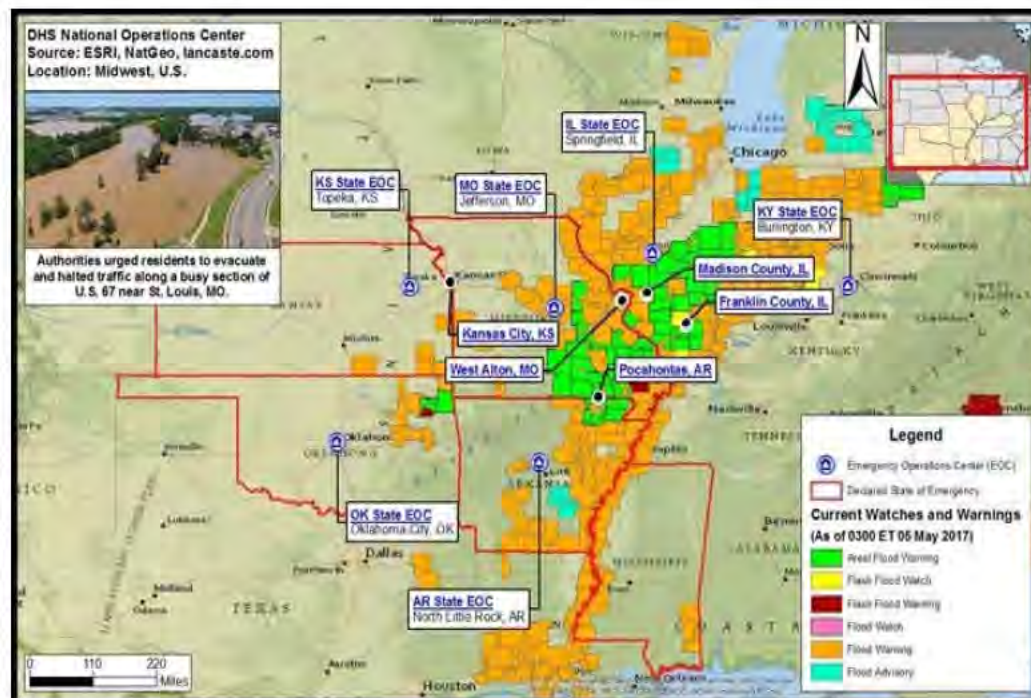
The National Weather Service (NWS) is forecasting improved weather conditions for this weekend and early next week. Precipitation will slowly move out of the middle Mississippi and Ohio valleys today, and river crests have already occurred or soon will. No significant precipitation is forecast for the next seven days along the central Gulf Coast.

The Federal Emergency Management Agency (FEMA) reports that 19 fatalities and 49 injuries have occurred as a result of the flooding and severe weather. There are now 21 shelters open with 215 occupants. Mandatory evacuations remain in effect for Pocahontas, Arkansas due to a levee failure, which is affecting 100 people. Mandatory evacuations are also in effect for Madison, Franklin, and Williamson counties in Illinois, and mandatory and voluntary evacuations are in effect for Clay and Randolph counties. Voluntary evacuations remain in effect for West Alton, Missouri due to concerns of levee overtopping on the Missouri River. Evacuations have been lifted for Valley Park, Missouri. A 15-inch levee-boil has been found at the base of the Wolf Lake Levee in Illinois, and U.S. Army Corps of Engineers (USACE) personnel are on-site and directing mitigation efforts. Nine levee breaches have been identified in Randolph County, Arkansas, of which three are categorized as major.

Interstate-55 and Interstate-44 in Missouri have reopened, but portions of Interstate-255 (southbound) are closed at East St. Louis. Amtrak's Missouri River Runner train service will remain suspended between Kansas City and St. Louis through Saturday. The U.S. Coast Guard (USCG) will keep the Mississippi River, in the St. Louis area, closed through May 8. The USACE has requested additional waterway closures/restrictions to occur within the next 48 hours to protect levees.

The FEMA National Watch Center and the FEMA Regions IV and VII Regional Watch Centers (RWCs) remain at a Steady State (Normal Operations). The FEMA Regions V and VI RWCs are at an Enhanced Watch. The FEMA Region VII Regional Response Coordination Center (RRCC) remains activated at Level III (dayshift only), and FEMA Liaison Officers are deployed to the Missouri, Arkansas, and Illinois State Emergency Operations Centers (SEOCs). The USACE has deployed 123 personnel to assist with the Midwest flood response activities, and the USCG has deployed personnel to Eureka, Missouri for search and rescue support.

The Governors of Arkansas, Kansas, Missouri, Mississippi, and Oklahoma have declared States of Emergency. The Missouri SEOC remains at Full Activation, and the Arkansas and Illinois SEOCs remain at Partial Activation. The Oklahoma SEOC has transitioned to a monitoring status. Arkansas State National Guard security and water rescue assets remain deployed in Clay, Randolph, and Lawrence counties, and Missouri State National Guard members continue to support flood response efforts.



DHS Graphic

## Wildland Fire Activity

Source: Fire and Aviation Management Website - May 4, 2017

### Georgia Fires

#### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge (NWR), GA (USFWS)
- Burned Acres: 111,650 (+3,804)
- Containment: 12-percent (+4)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 503 (+11) / 87 (+8)
- Structures Threatened-Single-Mixed Residential/Commercial: 87 / 17 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Winds ahead of a frontal passage caused the fire to burn aggressively during this reporting period. Fire on Billy's Island and Strange Island continued to move to the south. The fire near Soldier's Island pushed to the east toward the swamp edge break and to the southeast into wetter swamp areas. Many areas are experiencing re-burns, some of which are threatening containment lines. The firefighting objectives are unchanged and are to limit the fire's growth and to protect the high volume timber operations on private parcels in the fire area, historic structures, and the endangered Red-cockaded woodpecker habitat on islands within the Okefenokee NWR.



## **Volcano Activity**

### **Kīlauea Volcano, HI**

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### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 4, 2017*

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No significant activity was observed in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Significant National Weather**

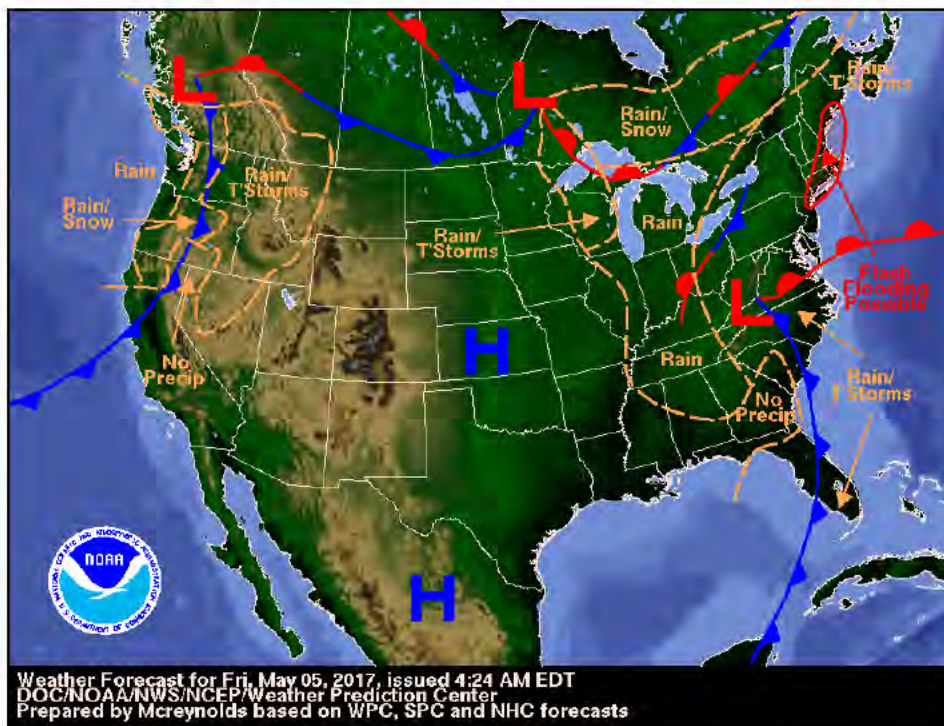
*Source: National Weather Service - May 5, 2017*

### **Today:**

Widespread rain and thunderstorms will continue across the Northeast, mid-Atlantic, Southeast and Midwest today. One to 2 inches of rain is forecast for portions of the Northeast and the mid-Atlantic. The heaviest rain will likely occur across eastern New England, where isolated areas of 2 to 4 inches of rainfall are possible. Flash flooding will be possible along the New England coasts, and thunderstorm activity could be strong to severe across the mid-Atlantic. In the western U.S., a strong Pacific cold front moving inland will result in rain, thunderstorms, and high elevation snow for the Pacific Northwest. Some storms could be strong to severe across the Intermountain West. Snowfall will likely be confined to the higher elevations of Washington, Oregon, and northern California. As the front moves into the Intermountain West, windy conditions are expected to develop. Elsewhere, high pressure and clear skies should continue across the Rockies, the Southwest, and the Great Plains.

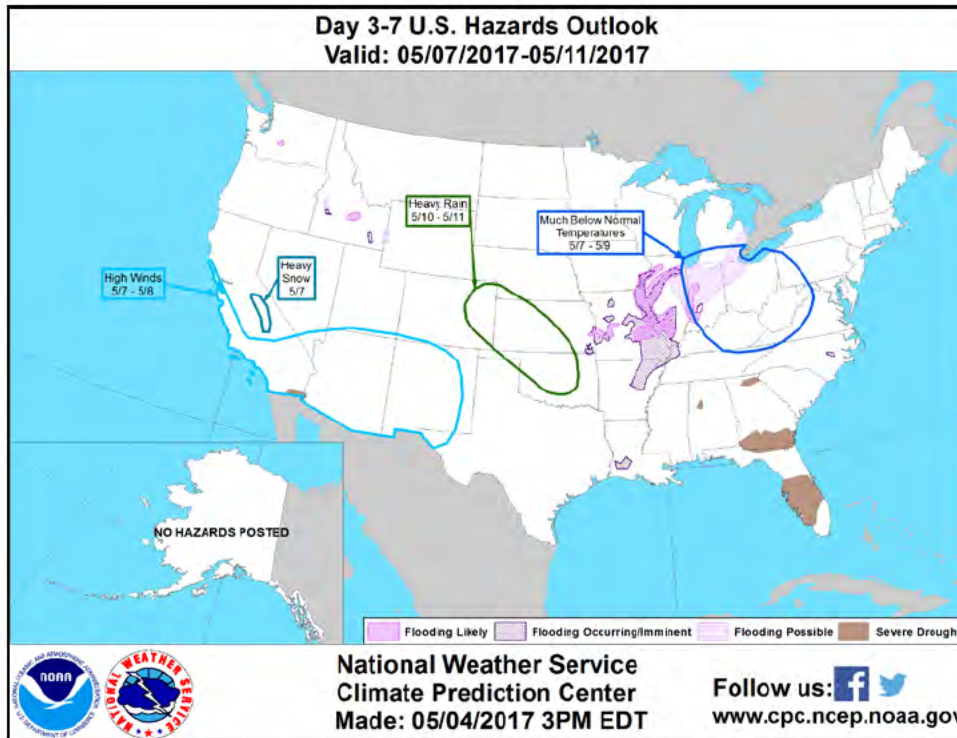
## Tomorrow:

Rain and thunderstorms will be possible tomorrow across the South, the mid-Atlantic, the Ohio River Valley, and the Northeast with up to a half-inch of rain possible. In coastal areas from North Carolina to Maine, up to 2 inches of rain will be possible, and flash flooding could occur in some areas. Temperatures are expected to be below average from the Great Lakes to the East Coast. In the western U.S., rain and thunderstorms will be possible across the Rocky Mountains, the Intermountain West, the Great Basin, and southern California. Strong to severe storms could develop in western Montana. Rain and snow will be possible in the higher elevations of Colorado, Wyoming, Utah, and along portions of the Cascade Mountains.



## Weather Hazard Assessment

- May 5: Flooding is occurring, imminent, likely, or possible for parts of the lower to middle Mississippi valleys, the Midwest, southeastern Kansas, Louisiana, the Carolinas, and the northwestern U.S.
- May 5: Severe Drought across parts of the Southeast, southern California, and Hawaii.
- May 7: Heavy snow for the southern Sierra Mountains.
- May 7-8: High winds shifting east from parts of California to the southwestern U.S.
- May 7-9: Much below-normal temperatures for the eastern Corn Belt, upper Ohio Valley, and the central Appalachians.
- May 10-11: Heavy rain for parts of the central and southern Great Plains.
- May 12-16: Slight risk of much below-normal temperatures for parts of the Corn Belt and western U.S.

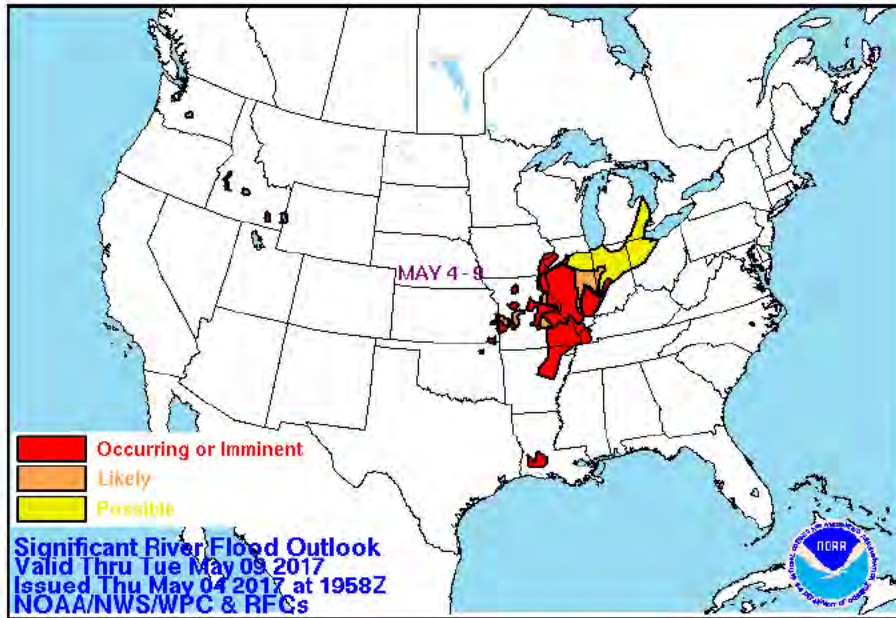


### Alaska Weather



A Gale Warning is in effect for most of the Aleutian Islands, the Pribilof Islands, the Bristol Bay, the Etolin Strait, and the Kuskokwim Delta. There is a Small Craft Advisory in effect for St. Matthew Island, Nunivak Island, the Gulf of Alaska, the Barren Islands, and the Shelikof Strait.

## Significant River Flooding



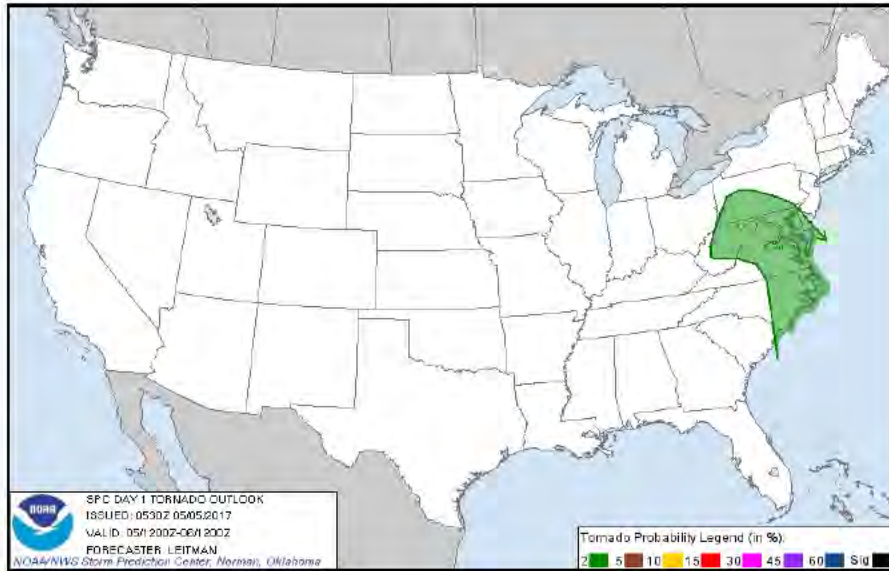
Flooding is occurring or imminent across portions of south-central Louisiana, southeastern Idaho, central and western Missouri, Illinois, western Indiana, western Kentucky, northern Arkansas, southeastern Kansas, North Carolina, and northeastern Oklahoma. Flooding is likely in eastern Idaho, eastern Illinois, western Indiana, and central Washington. Flooding is possible from the Great Lakes region through the Ohio River Valley and the middle Mississippi River Valley.

## Severe Weather



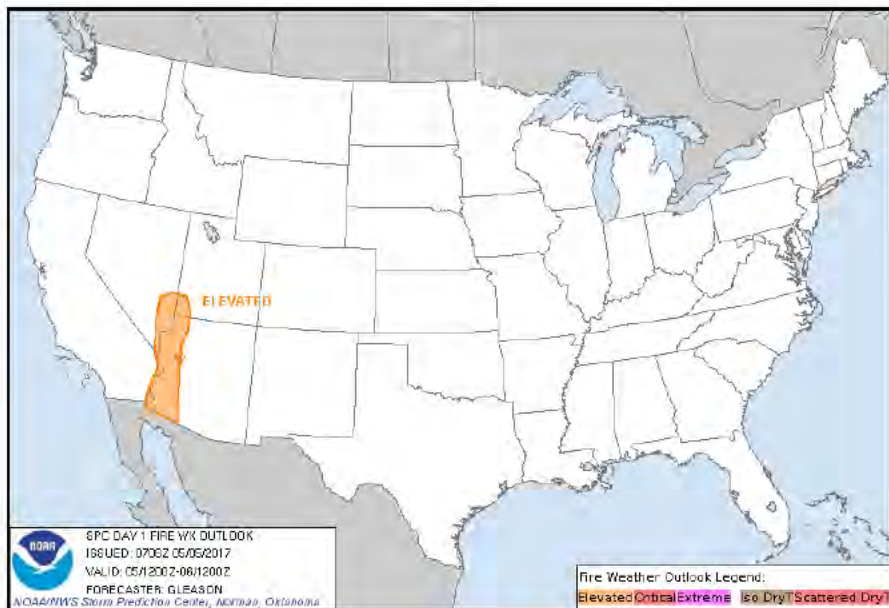
There is a Marginal Risk of severe thunderstorm activity today across portions of the mid-Atlantic, the Southeast, the Ohio Valley, the northern and central Great Basin, and the northern Rockies.

### Tornado Weather



There is a 2-percent chance of tornado activity today in portions of the Ohio River Valley, the Southeast, and the mid-Atlantic.

### Fire Weather



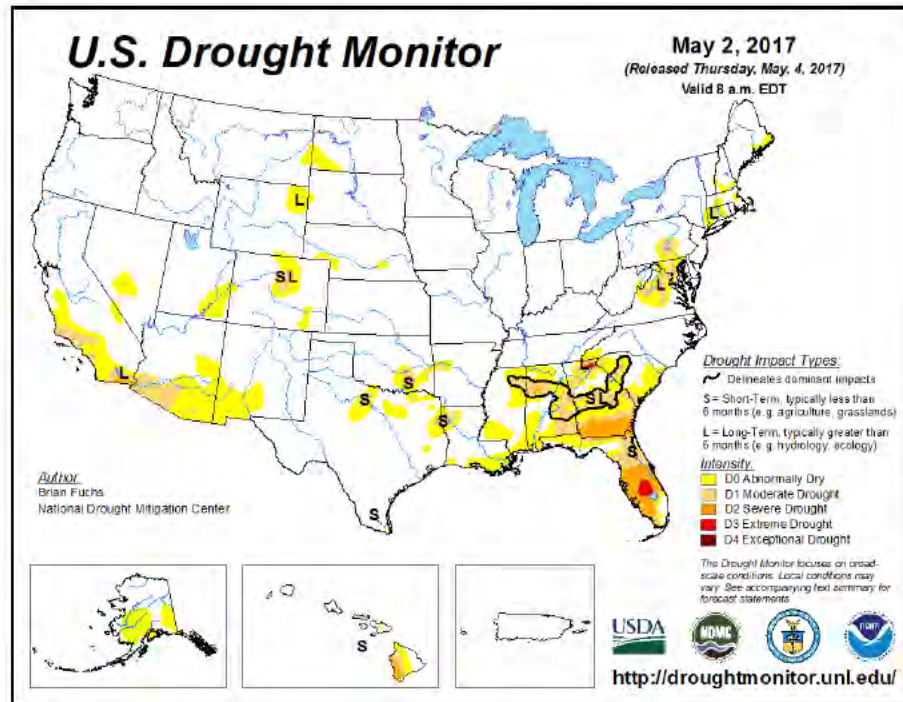


There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for western Arizona, southwestern Utah, southeastern Nevada, and southeastern California.

### Other News and Notes

#### **U.S. Drought Monitor**

Source: *National Drought Mitigation Center - May 4, 2017*



An intense storm developed over the central Plains last week. The storm moved through the Midwest bringing torrential rains and thunderstorms, as well as heavy, wet snow. A large portion of the country, from eastern Oklahoma into Illinois, recorded over 5 inches of rain with the event. Portions of western Kansas and the Oklahoma Panhandle recorded several inches of snow, with some places receiving over a foot. The Southeast remained dry as well as much of the Southwest. Long-term drought conditions remain in the Northeast, even with the wet pattern of the last several months. Snow accumulated in the upper elevations of the Rocky Mountains, with water managers making room for the anticipated runoff.

*\*End of Report\**

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**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Flooding in Central United States

### **General Situation**

Source: National Weather Service, Department of Homeland Security National Operations Center – May 8, 2017

The National Weather Service (NWS) forecasts no significant weather across the central U.S. for early this week. However, light showers and a few thunderstorms could develop across portions of Kansas, Missouri, and Illinois, on Tuesday, May 9.

The Federal Emergency Management Agency (FEMA) reports 20 (+1) fatalities and 49 (no change) injuries occurred as a result of flooding and severe weather. There are 8 (-13) shelters open with 94 (-123) occupants. Voluntary evacuations remain in effect for Clay and Randolph Counties and the cities of Pochontas, Arkansas, and West Alton, Missouri. Local evacuations remain in effect for Madison, Franklin, and Williamson Counties in Illinois.

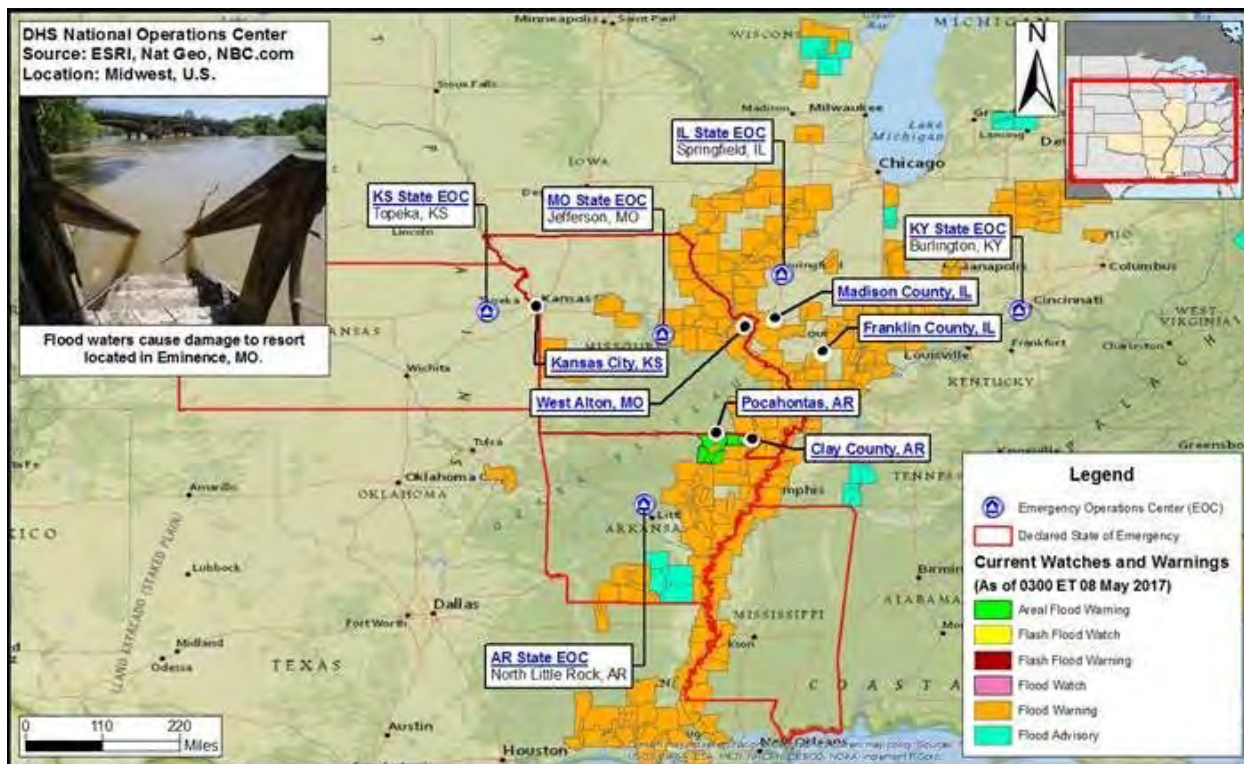
The Mississippi River in the St. Louis area is scheduled to remain closed through today. The Missouri Department of Transportation reports Interstate I-255 at East St. Louis has reopened, and Amtrak has resumed train service between St. Louis and Kansas City.

The FEMA National Watch Center and FEMA Regions IV and VII Regional Watch Centers (RWCs) remain at Steady State (Normal Operations), while Region VI has returned to Steady

State. Region V remains at Enhanced Watch, and has deployed a Regional Incident Management Assistance Team (IMAT) to the Illinois State Emergency Operations Center (SEOC). Region VII Regional Response Coordination Center (RRCC) has de-activated. The FEMA Liaison Officer (LNO) deployed to the Arkansas State Emergency Operations Center (SEOC) remains, while the LNO deployed to the Missouri SEOC has been released. The U.S. Army Corps of Engineers is monitoring high water and spillway operations in Lake Wappapello, Missouri.

The Missouri SEOC was lowered to Partial Activation, and the Arkansas SEOC transitioned to Monitoring. The Oklahoma SEOC has returned to Normal Operations, and the Illinois EOC will transition to Normal Operations today. The Arkansas State National Guard is demobilizing assets. The Missouri State National Guard members also continue to support flood response efforts.

The National Infrastructure Coordinating Center reports there are no known/reported impacts to national critical infrastructure..



DHS Graphic

### United States Geological Survey Flood Response Activity

Source: U.S. Geological Survey (USGS) – May 6, 2017

#### Indiana

The Indiana / Kentucky Water Science Center is responding to the ongoing flooding in Indiana. The lower Patoka River has been in major category flooding since May 3 and is experiencing backwater conditions from the rising Wabash River. Portions of the West Fork of the White

River will likely reach major flood stage later today. No significant rainfall is expected for the next two days over the state. There are four crews deployed taking discharge measurements and verifying gages in affected areas. All gages that were down have been repaired and are operating normally.

### ***Missouri***

The Missouri, Mississippi, and Meramec rivers continue at flood stage, and data collection efforts are ongoing after the significant rainfall. On May 6, measurements were collected from the Mississippi River at Chester and Thebes, Illinois. One crew is currently making high flow measurements at two other locations. Peak water levels were recorded at over thirty sites in southern Missouri.

### ***Ohio***

There is Minor to Moderate Flooding in Ohio. A slow moving low pressure system that tormented the Mississippi Valley moved into Ohio on Friday. Widespread rain fell on saturated soils particularly in northwest Ohio. The main river basins that will be affected will be the Maumee, Sandusky, Portage, upper Muskingum, Cuyahoga and Auglaize. Minor flooding is expected, and nearly fifteen river gages will be at, or above, flood stage throughout Ohio. Four crews are deployed taking high water measurements. One crew has measured sites in the Portage and Tiffin river basins, while another crew measured sites in the Blanchard and Auglaize River basins. Two crews are in the Cleveland area measuring high water in the upper Muskingum and Cuyahoga river basins.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 7, 2017*

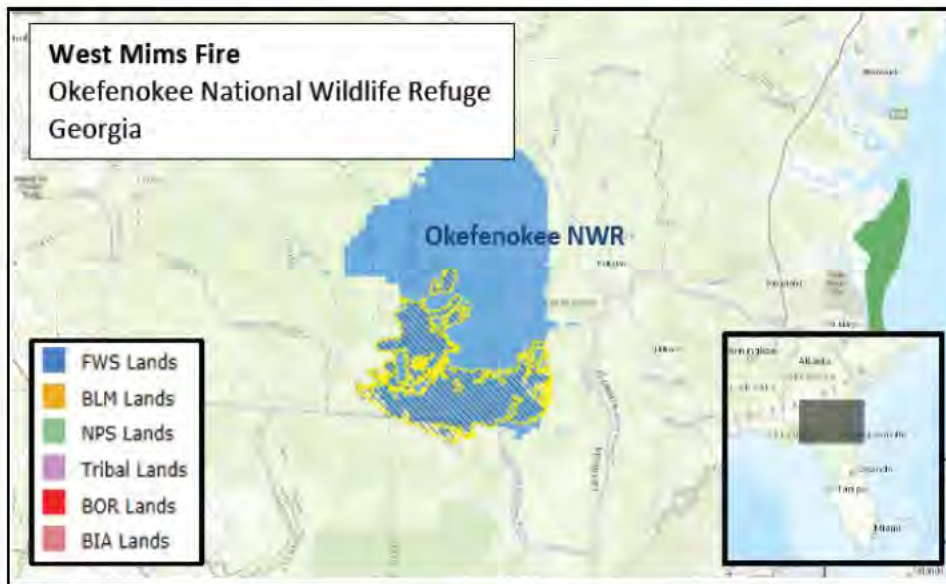
### **Georgia Fires**

#### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 129,764 (+18,114)
- Containment: 12-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 624 (+121) / 102 (+25)
- Structures Threatened-Single-Mixed Residential/Commercial: 502 (+415) / 7 (-10)
- Evacuations / Sheltered in place: 79 (+79) / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during this reporting period. The main danger comes on the southeast corner of the fire, where it consumed more than 11,000 acres this past weekend, forcing evacuations in St. George. Ten helicopters are in use conducting air attacks in

the southeast corner of the fire. A Temporary Flight Restriction is in place, and parts of the Okefenokee NWR are closed, or restricted, to day use only. Burn bans are in effect in the Okefenokee NWR, as well as in Baker County, Florida and Charlton County, Georgia. The fire is being fought under a 99-percent “Confine” and 1-percent “Full Suppression” strategy.



IGEMS Image

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – May 5, 2017

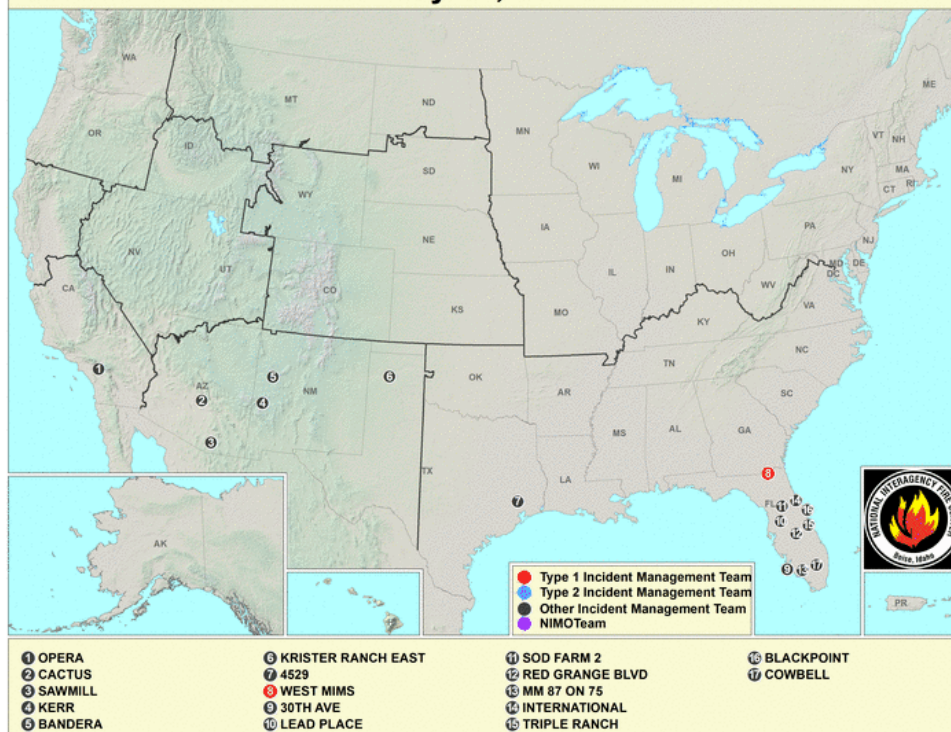
#### National Preparedness Level 1

#### National Fire Activity (April 28 - May 4)

Initial attack activity:	450
New large fires:	6
Large fires contained:	9
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Current Large Incidents May 07, 2017



### Volcano Activity

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 7, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 7, 2017*

**Alert Level = WATCH**

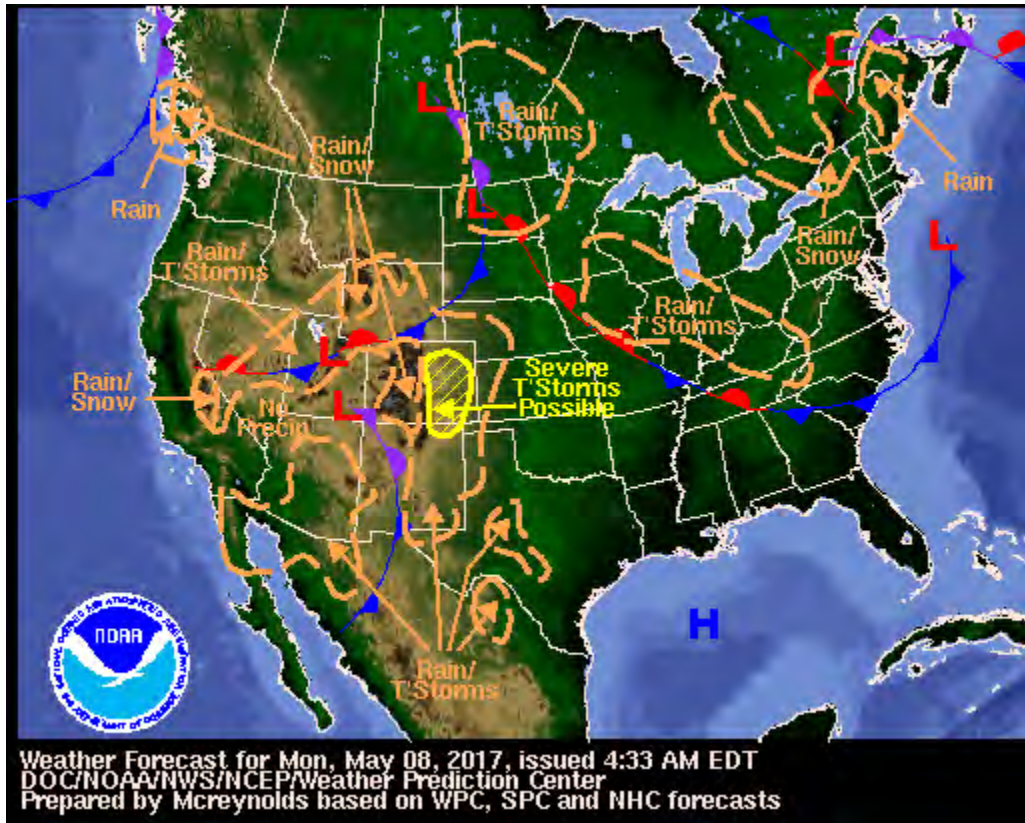
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and on the East Rift Zone. At the summit, tiltmeters are registering inflationary tilt as the summit region has entered the inflation stage of a inflation-deflation cycle. The summit webcam shows the level of the lava lake surface to have

fluctuated in conjunction with the inflation-deflation cycle. The Pu‘u ‘Ō‘ō episode 61g lava flow continues to enter the ocean. Active surface flows persist above and near the pali southeast of Pu‘u ‘Ō‘ō. These pose no threat to nearby communities.

### **Significant National Weather**

*Source: National Weather Service - May 8, 2017*



### **Today:**

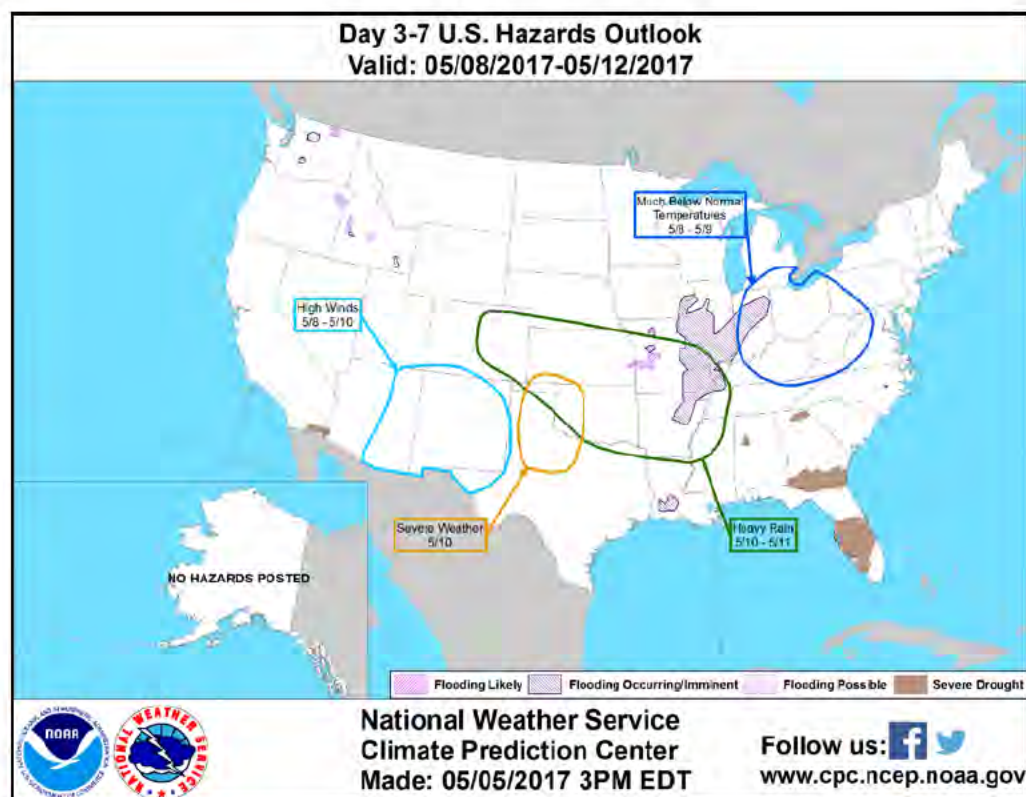
An area of low pressure will remain anchored over the Northeast which will produce scattered light rain and snow showers across parts of the Northeast and New England. With northeasterly flow across the region, temperatures will be below average. An area of showers and thunderstorms will develop along a frontal boundary from the upper Midwest to the southern Appalachians. More rain and thunderstorms will develop near an area of low pressure that is moving across the northern High Plains. A storm system will take shape over the central Rockies and slide into the central Plains. Rain and thunderstorms will develop across the Rockies, west-central Plains, and parts of the Great Basin. Isolated to scattered severe thunderstorms are possible for portions of the central Rockies, eastern Colorado, and eastern New Mexico today. Rain and snow showers will be possible for the northwest mountains of Wyoming and the central Sierras.



## Tomorrow:

Rain and snow showers will continue across parts of the Northeast and New England. Rain and thunderstorms will develop from the Carolinas through the Midwest, Ohio Valley, and Great Plains. A few severe thunderstorms will be possible from the Texas Trans-Pecos northward to parts of southern Nebraska. The greatest likelihood of severe weather will be focused over parts of the Permian Basin and surrounding areas. Elsewhere, isolated strong and severe storms will be possible tomorrow over parts of the Ohio Valley. Rain is possible across parts of the upper Midwest and western Great Lakes. Rain and snow is possible for parts of the central and northern Rockies. An area of low pressure will move across the southern Four Corners. Rain and thunderstorms are expected for the southern Four Corners and desert Southwest region.

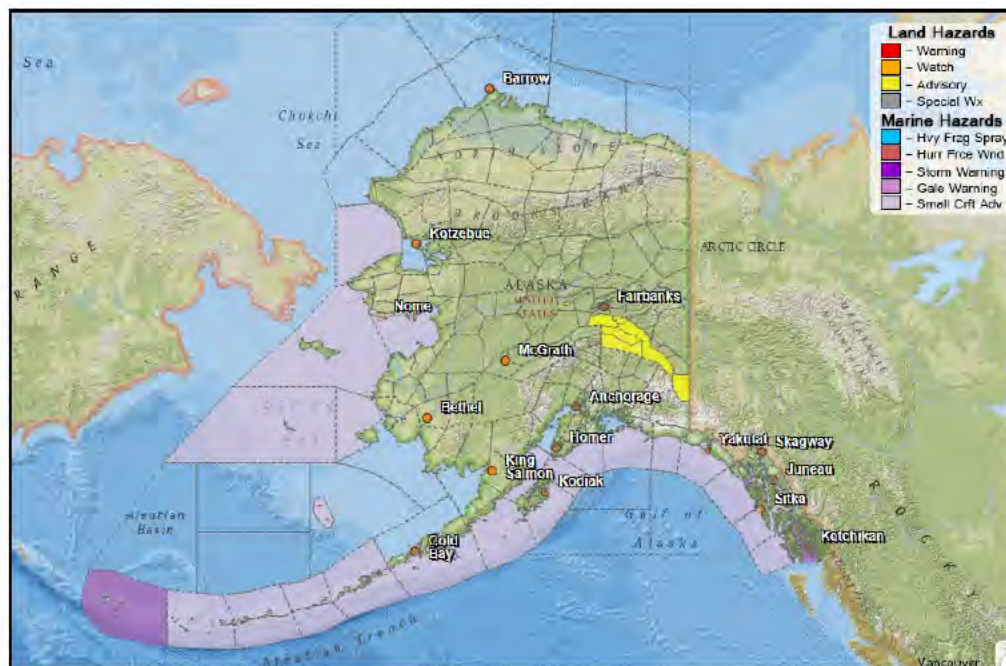
## Weather Hazard Assessment



- May 7: Severe Drought across parts of the Southeast, southern California, and Hawaii.
- May 8-9: Much below-normal temperatures for the upper Ohio Valley and central Appalachians.
- May 8-10: High winds across parts of the southwestern United States.
- May 10: Severe weather for parts of the central and southern Great Plains.
- May 10-11: Heavy rain shifting east from the central and southern Great Plains to the lower and middle Mississippi Valley.

- May 13-16: A slight risk of much below-normal temperatures for parts of the western United States.
- May 13-17: A slight risk of much below-normal temperatures for parts of the Corn Belt, Ohio Valley, and the central Appalachians.

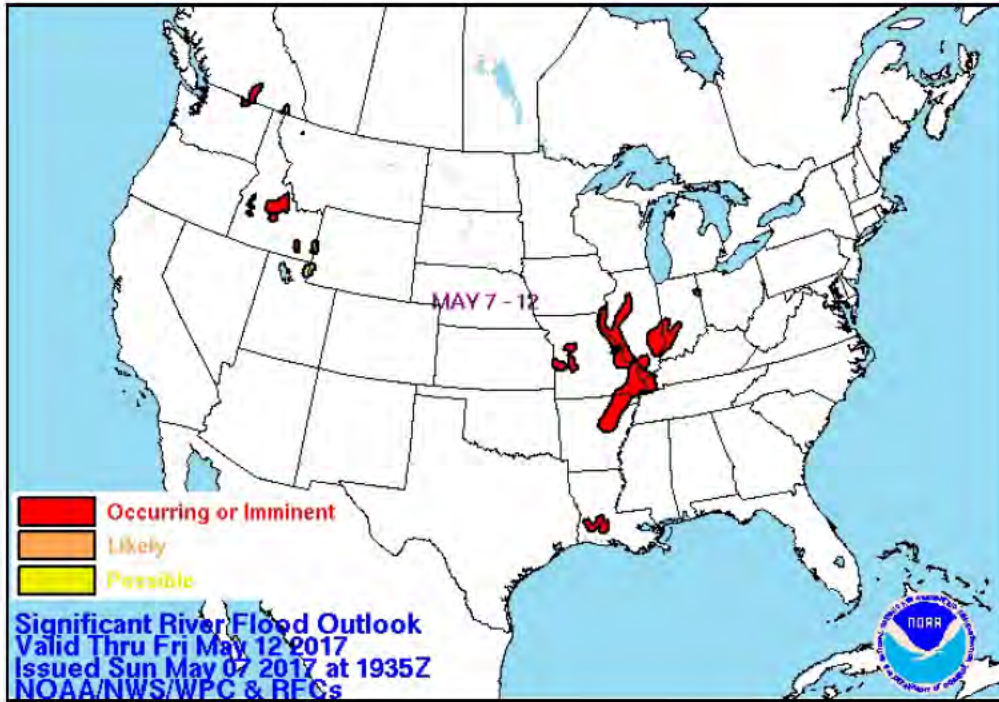
## Alaska Weather



A Wind Advisory is in effect from Fairbanks to Chisana. There is a Gale Warning in effect from Attu to Kiska. There is a Brisk Wind Advisory in effect from the Bering Strait south to the central Bering Sea. A Small Craft Advisory in effect for the waters off of St. Paul Island, in the Aleutians from Kiska to Unimak Island, and for the coastal waters of the Gulf of Alaska from the Alaskan Peninsula to Ketchikan.

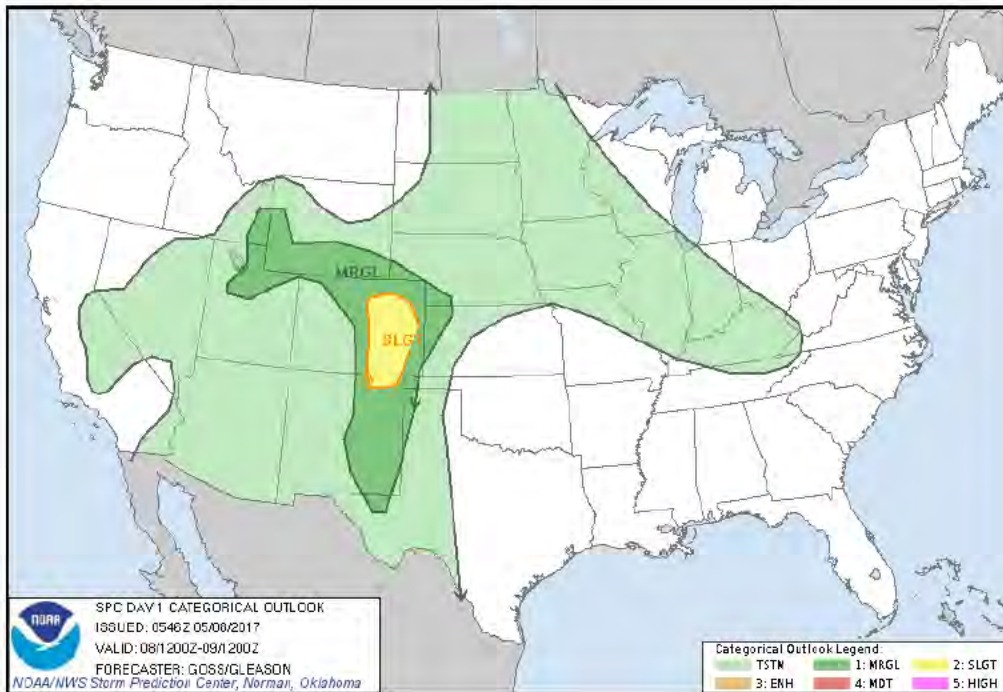
## Significant River Flooding

Flooding is occurring or imminent in northern Washington, central Idaho, along the Ohio River Valley, and the Mississippi River, from Fort Madison south to the Kentucky Bend, across northeastern Missouri and southwestern Louisiana. Flooding is likely along the Colorado River Basin near the Wyoming, Utah, and Idaho border.



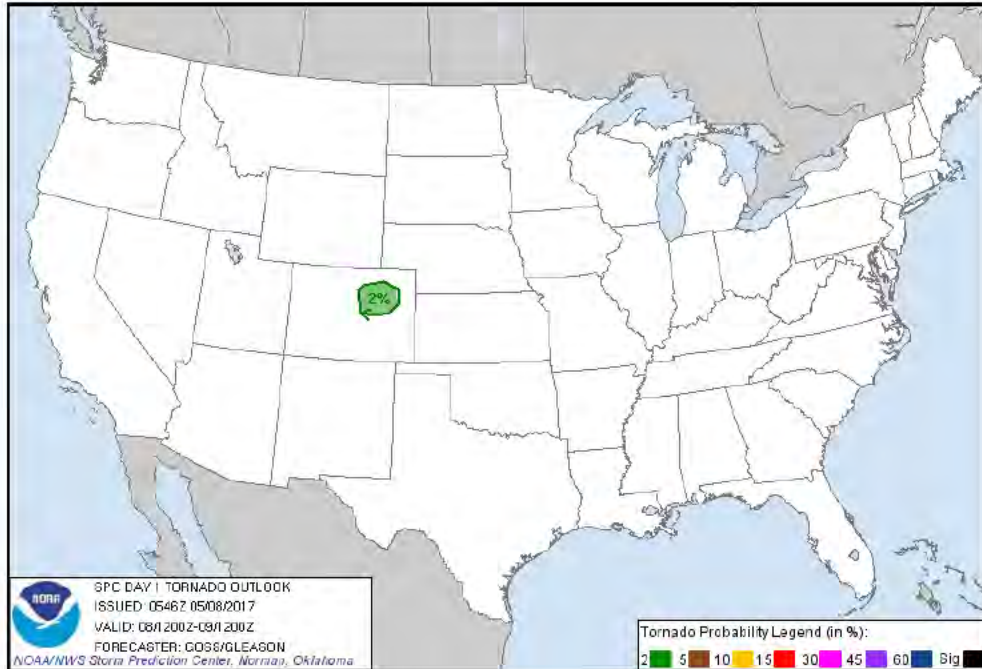
**Severe Weather**

There is a Slight Risk of severe thunderstorms across parts of eastern Colorado and northeastern New Mexico. A Marginal Risk of severe thunderstorms extends from portions of Utah and southeastern Idaho to the central high Plains and across eastern New Mexico.

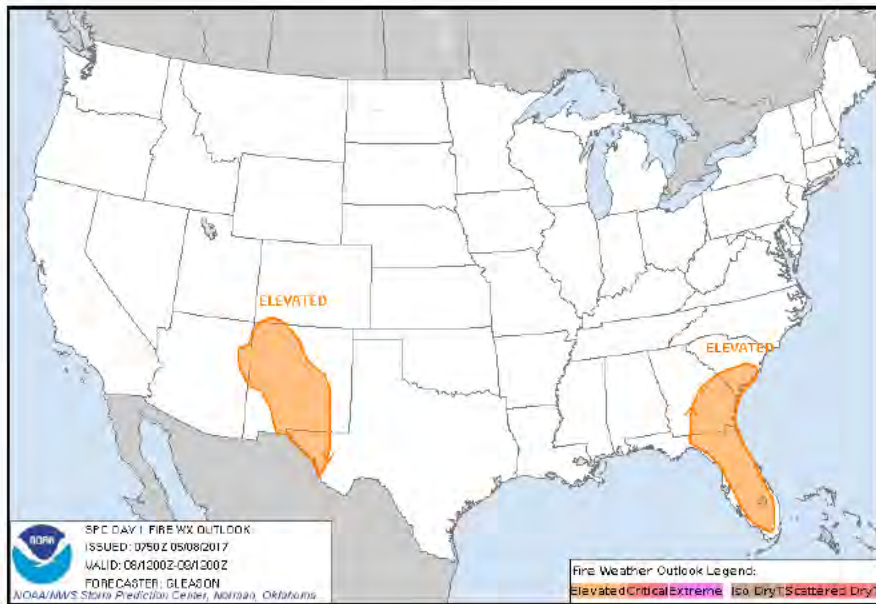


## Tornado Weather

There is a 2-percent chance of tornado activity today in central Colorado.



## Fire Weather



There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for far eastern Arizona, most of New Mexico, the Big Bend region of Texas, as well as from southeastern North Carolina to southern Florida.

## **Tropical Weather**

Source: National Weather Service/National Hurricane Center - May 7, 2017

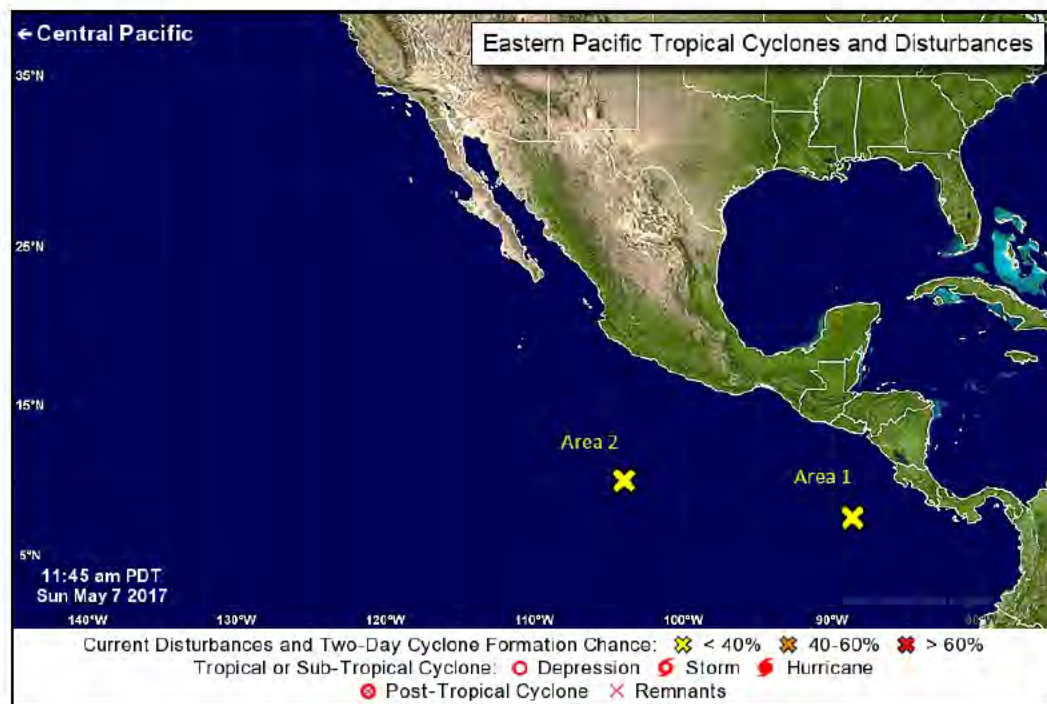
### **Eastern Pacific Ocean**

#### **Disturbance Area 1**

As of 2:45 p.m. EDT on Sunday, an area of disturbed weather developed in association with a low pressure area a few hundred miles southwest of Costa Rica. Conditions are favorable for gradual development, and a tropical depression could form by the middle of next week while the low moves slowly toward the northwest. There is a 20-percent chance that this disturbance will develop into a tropical depression within the next 48 hours.

#### **Disturbance Area 2**

As of 2:45 p.m. EDT on Sunday, an area of disturbed weather had formed several hundred miles south-southwest of Acapulco, Mexico. Some slow development could occur during the next couple of days before this system is absorbed into the above-mentioned Disturbance Area 1. There is a 10-percent chance that this disturbance will develop into a tropical depression within the next 48 hours.



*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, May 9, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Flooding in Central United States

### **General Situation**

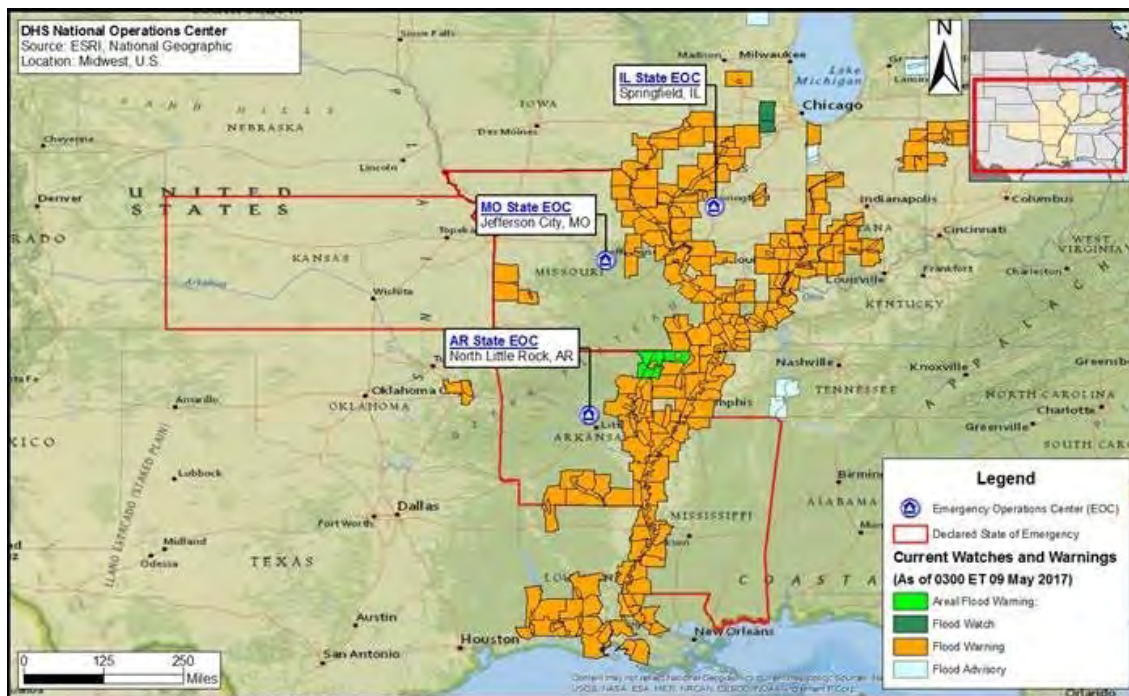
*Source: National Weather Service, Department of Homeland Security National Operations Center – May 9, 2017*

The National Weather Service (NWS) forecasts a slight risk for severe thunderstorms across portions of the central and southern High Plains. There will be dry weather for the Mississippi River Valley into the middle of the week. High water levels will continue to impede travel along the Mississippi River.

The Federal Emergency Management Agency (FEMA) reports 20 fatalities (no change) and 49 injuries (no change) occurred as a result of flooding and severe weather. There are seven shelters (-1) open with 98 (+4) occupants in Indiana, Arkansas, and Missouri. Voluntary evacuations remain in effect across portions of the impacted areas.

The FEMA National Watch Center and the Regional Watch Center (RWC) in FEMA Region IV, VI, and VII remains at Steady State (Normal Operations). The Regional Response Coordination Center (RRCC) in Region V and VII have returned to Steady State. The U.S. Army Corps of Engineers is monitoring high water and spillway operations in Lake Wappapello, Missouri. The

Arkansas State National Guard is demobilizing assets, and the Missouri State National Guard continues to support flood response efforts.



DHS Graphic

## United States Geological Survey Regional Flood Response Activity

Source: U.S. Geological Survey (USGS) – May 8, 2017

### *Missouri*

Data collection efforts continue on the Mississippi River at Chester, Illinois, and New Madrid, Missouri, along with the Len Small Levee Breach. Two crews of two (four personnel) are currently making high flow measurements at the three locations.

### *Idaho*

In the southern Idaho River basins, warm weather last week coupled with rain on substantial snowpacks over the weekend brought several rivers and streams at or near flood stage. This includes the Big Wood River, Boise River, and Payette River, affecting the towns of Emmett and Payette in the Payette River Basin. Boise, Star, Caldwell, and Nampa along the Boise River, as well as Ketchum, Hailey, and Bellevue along the Big Wood River are also affected. Flood impacts have been noted in the towns of Emmett, Hailey, Ketchum, and Bellevue along with property damage, water over roadways, and voluntary evacuations.

In eastern Idaho, the Portneuf River remains above flood stage affecting the city of Pocatello. The Salt River has climbed above action stage, and is expected to go above flood stage later this week along with the Snake River, Blackfoot River, and Henry's Fork rivers. This will affect the communities of Rexburg, Blackfoot, and Etna, Wyoming.



In northern Idaho, the Kootenai River and contributing tributaries are expected to approach flood stage this week. Portions of the Salmon River and tributaries will affect communities along those river systems.

### **Severe Weather - Denver Colorado**

#### **U.S. Fish and Wildlife Regional Office Closure**

*Source: U.S. Fish and Wildlife Service - May 8, 2017*

On the evening of May 8, a severe hail storm caused roof damage and subsequent flooding to the U.S. Fish and Wildlife Region 6 office. The office will be closed until further notice.



*Hail in Lakewood Colorado on May 8. Photo credit: Colorado Bureau of Investigation*

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 9, 2017*

#### **Arizona Fires**

##### **Mulberry Fire (Initial Report)**

- Start Date: May 6
- Location: State and BLM lands, Pima County, AZ
- Burned Acres: 1,755

- Containment: 80-percent
- Management: Type - 3 IMT
- Personnel Assigned / DOI: 290 / 20
- Structures Threatened-Single-Mixed Residential/Commercial: 2 / 0
- Evacuations / Sheltered in place: 75 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: May 9

Comments: Minimal fire behavior, with some creeping and smoldering, was observed during this reporting period. Most of the fire is burning to the northeast. Two residences have been destroyed, and crews have begun mop-up operations. Clouds and cooler temperatures have helped suppression efforts.



IGEMS Image

## **Florida Fires**

### **International Fire (Initial Report)**

- Start Date: May 5
- Location: Oak Hill, FL (FWS)
- Burned Acres: 1,600
- Containment: 75-percent
- Management: Type - 4 IMT
- Personnel Assigned / DOI: 24 / 21
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0

- Containment Date: May 11

Comments: Moderate fire behavior was observed during this reporting period. Some creeping was noted to the west in areas with tall grass. Crews are conducting burn outs as needed and mop up.



IGEMS Image

### Cowbell Fire

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,866 (no change)
- Containment: 87-percent (+12)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 104 (-50) / 66 (-3)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Minimal fire activity was observed during this reporting period. Due to the heavy fuel and structure, aviation resources are being used to monitor and extinguish any western progression into the Kissimmee Billy Strand. Ground resources are being used when they have the ability to access the area.



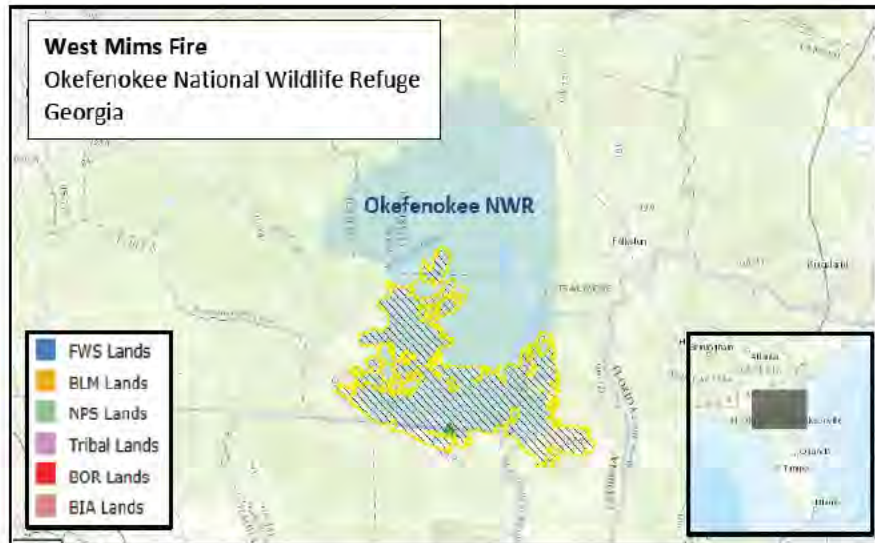
IGEMS Image

## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 133,747 (+3,983)
- Containment: 12-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 691 (+67) / 99 (-3)
- Structures Threatened-Single-Mixed Residential/Commercial: 502 (no change) / 7 (no change)
  - Evacuations / Sheltered in place: 0 (-79) / 0 (no change)
  - Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Responder Injuries / Fatalities: 4(+1) / 0 (no change)
  - Containment Date: November 1

Comments: The fire will continue to be extremely active. Extreme conditions led to the fire crossing containment lines in multiple locations on the southeast corner. Fire on Billy's Island continued to move to the south during the operational period. Many perimeter and interior areas experienced re-burns, some of which are threatening containment lines.



## Volcano Activity

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 8, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 8, 2017

**Alert Level = WATCH**

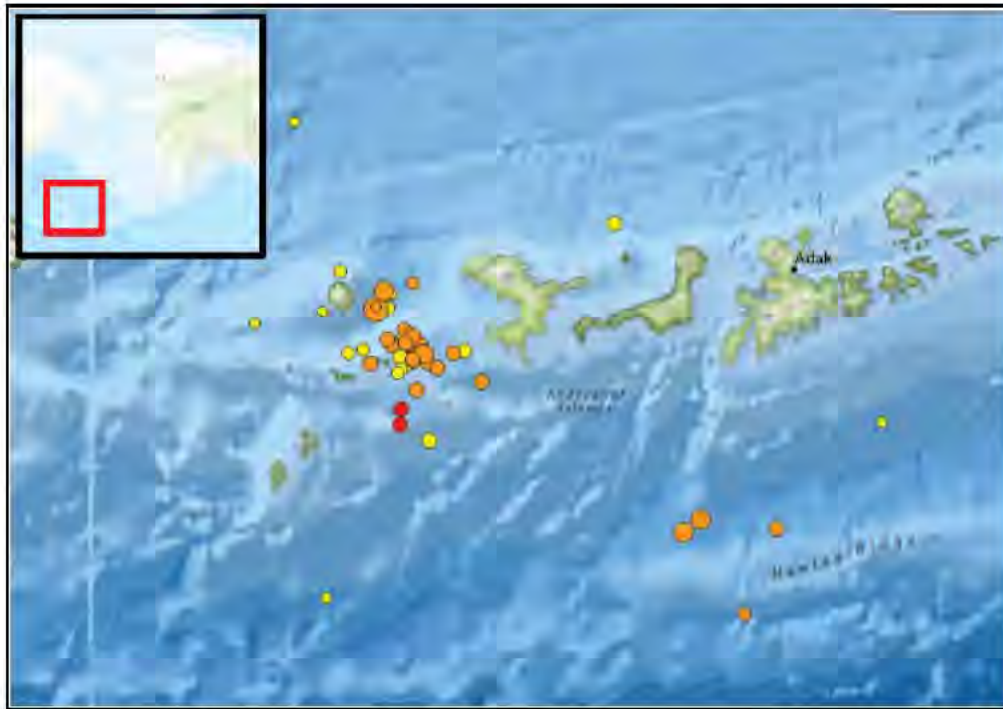
**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit, in Halema'uma'u Crater, and at Pu'u 'Ō'ō on the East Rift Zone. The summit inflationary tilt is gradually slowing. The Pu'u 'Ō'ō episodes 61g lava flow continues to enter the ocean at Kamokuna, where development of the lava delta has resumed. Active surface flows appear to persist above and near the pali southeast of Pu'u 'Ō'ō. These pose no threat to nearby communities. Low rates of ground surface deformations and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey Alaska Volcano Observatory (AVO)– May 8, 2017*

Since April 30, the United States Geological Survey (USGS) has monitored an earthquake swarm that has been occurring in the Aleutian region west of Adak. There have been over 62 earthquakes recorded, with one 6.0 magnitude earthquake that occurred on May 8, at 1:00 p.m. EDT near Gareloi Volcano. The USGS issued a Green PAGER Alert, indicating a low likelihood of casualties and damage as a result of the earthquake. There have been no tsunami threats from the swarm. AVO believes the May 8 event and swarm are tectonic in nature, and there is no indication of volcanic activity. Convergence between two tectonic plates produces deformation in the upper plate, which results in these shallow crustal earthquakes. Aftershocks are also typical of such events.

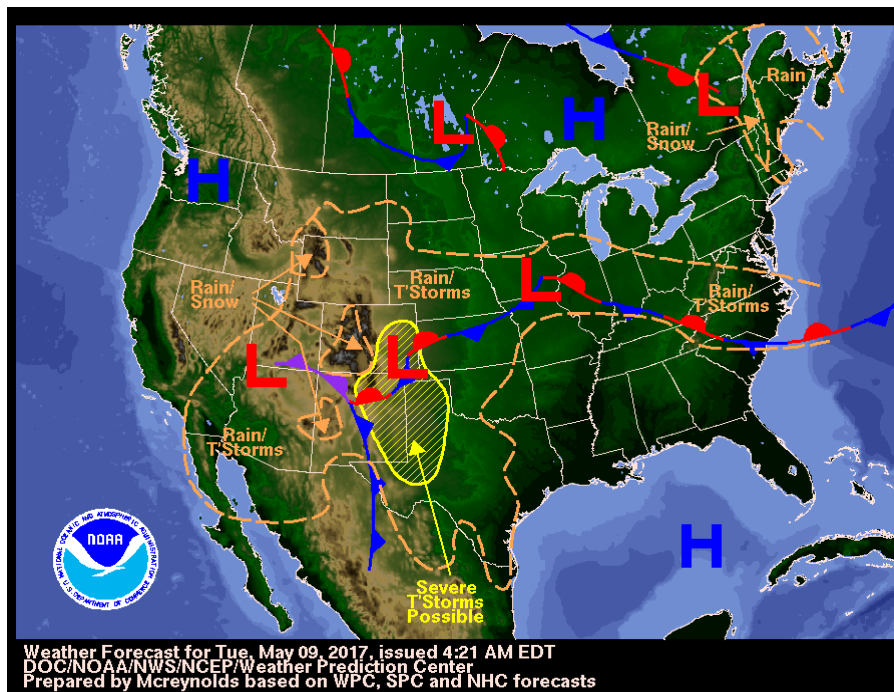


*USGS Earthquake Data*

In addition to earthquake activity in Alaska, on May 8 at 9:54 p.m. EDT, the USGS reported a magnitude 6.0 earthquake that occurred approximately 131 miles east of Ishigaki-jima, Japan at a depth of 6 miles. The USGS issued a Green PAGER Alert, indicating a low likelihood of casualties and damage as a result of the earthquake. There was no tsunami generated from the event.

## ***Significant National Weather***

*Source: National Weather Service - May 9, 2017*



### **Today:**

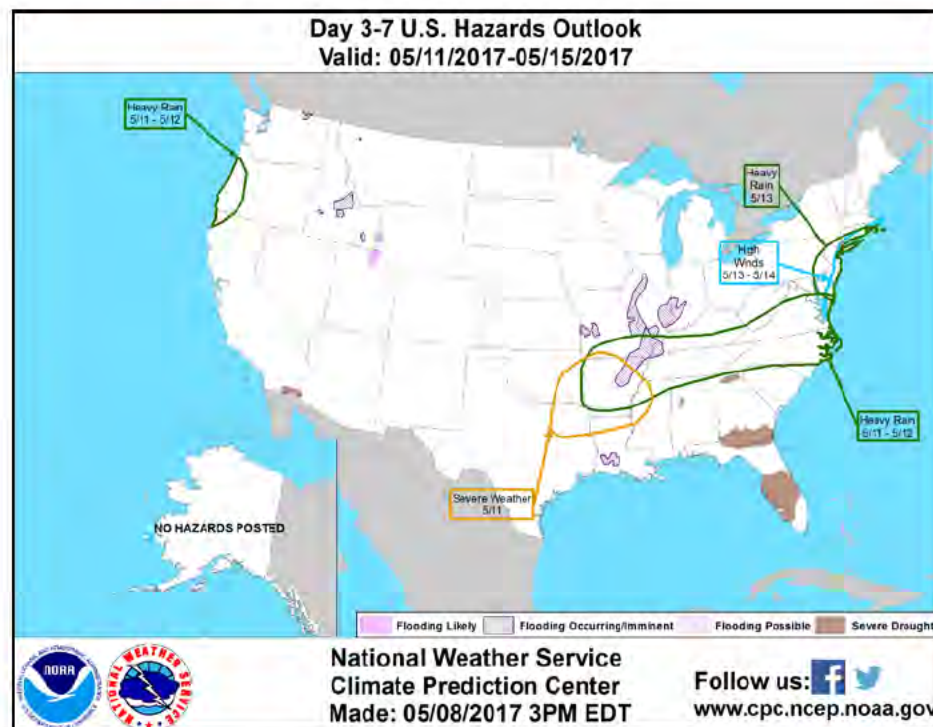
A lingering low pressure system will produce scattered rain and snow showers over northern New England. A frontal boundary will stretch from the Carolinas back to an area of low pressure over Iowa then to another low over eastern Colorado. Another storm system will gradually move out of the Four Corners region. The result will be rain and thunderstorms that will extend from the Carolinas and southern Virginia back through the Ohio Valley and Midwest, then into the Great Plains, Rockies, Four Corners, and Desert Southwest. Scattered severe thunderstorms are expected from the southern High Plains into eastern Colorado, while isolated strong and severe storms are possible across the Four Corners region and over portions of the Ohio Valley. Rain and snow are possible for the Tetons, central Rockies, and parts of the southern Rockies.

### **Tomorrow:**

The low pressure system will continue to linger and produce scattered light rain showers across northern New England. Rain and thunderstorms will stretch from the southern mid-Atlantic back through the Ohio Valley to the Midwest into the Great Plains, the central Rockies, and the Four Corners region. Severe storms will be possible across parts of the southern and central Plains tomorrow into tomorrow night. Isolated strong to severe thunderstorms may also be possible across parts of the mid-Mississippi and Ohio valleys. Heavy rain is forecast for eastern Colorado, northern Kansas, and far northwestern Missouri where flooding and flash flooding will be possible. Rain and snow are likely for the Colorado Rockies. Elsewhere, a Pacific frontal

system will approach the Northwest. Rain will develop across Washington, western Oregon, and northern California. Rain and thunderstorms will also be possible for the central Sierras.

## Weather Hazard Assessment



- May 11: Severe weather for southeastern Oklahoma, northeastern Texas, and the lower Mississippi Valley.
- May 11-12: Heavy rain for parts of Oregon and northern California.
- May 12: Heavy rain shifting east from the lower to middle Mississippi Valley to the southern mid-Atlantic.
- May 13: Heavy rain for parts of the mid-Atlantic and Northeast.
- May 13-14: High winds for coastal areas of the mid-Atlantic and Northeast.
- May 16-17: Heavy precipitation for the southern Cascades and northern Sierra Mountains.
- May 16-20: A slight risk of much below-normal temperatures for parts of the western U.S.

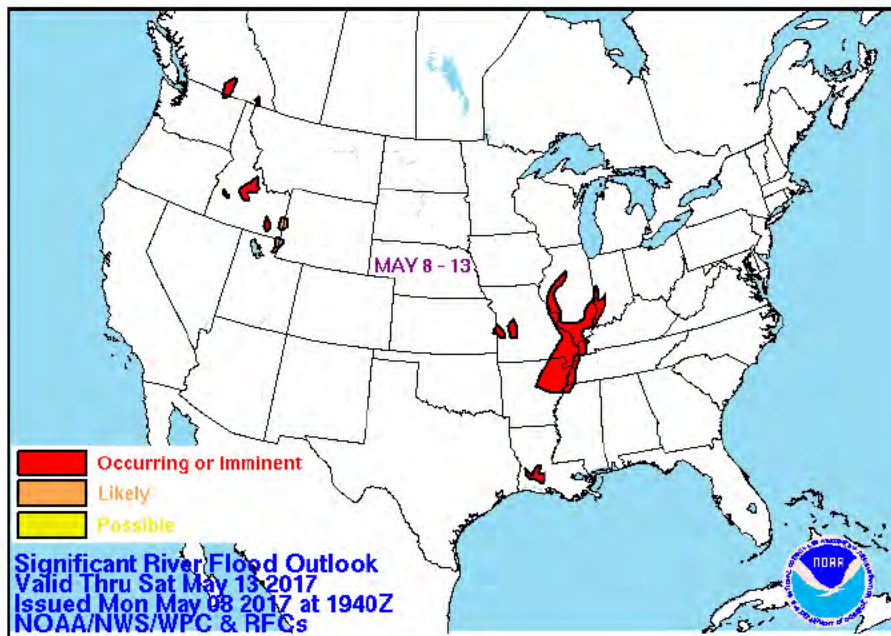


## Alaska Weather



A Small Craft Advisory in effect in the Aleutians from Kiska to Adak, through the Shelikof Strait, and from Dixon Entrance to Cape Suckling.

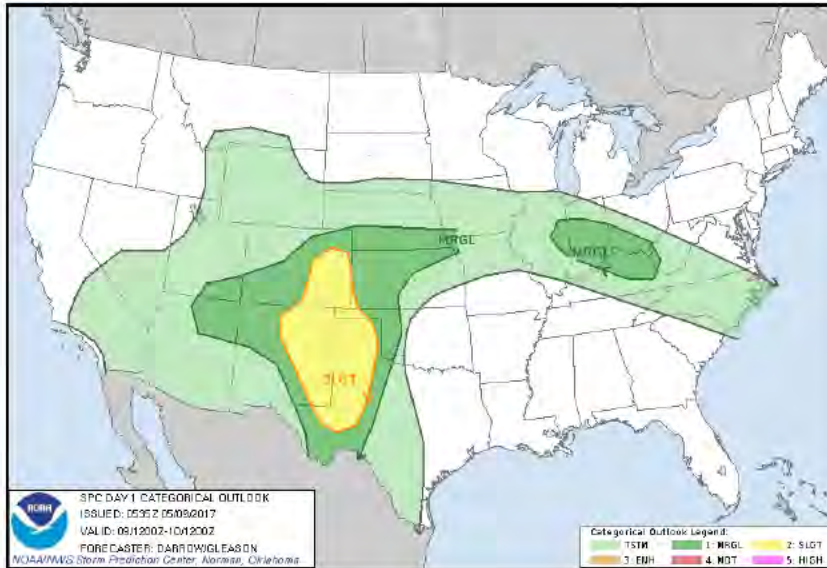
## Significant River Flooding



Flooding is occurring or imminent in northern Washington, central Idaho, Missouri, southern Louisiana, as well as along the Ohio River Valley and the middle and lower Mississippi River

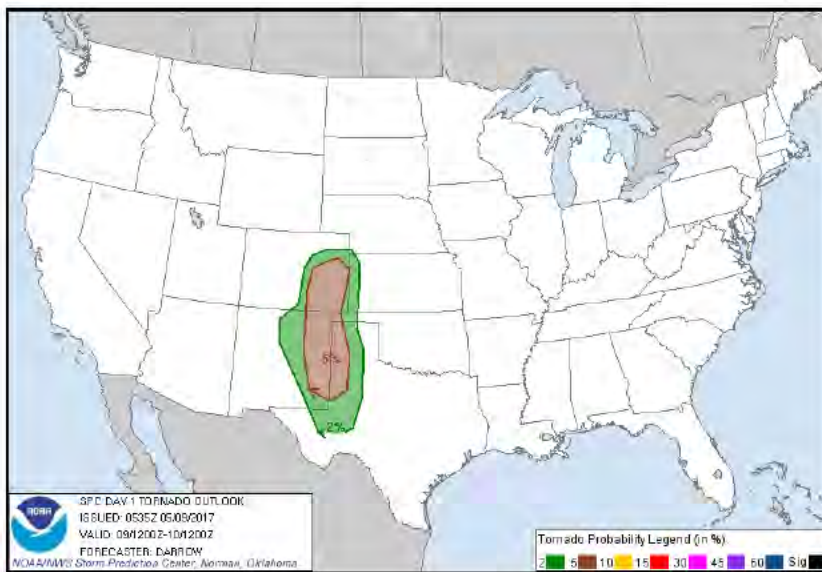
Valley. Flooding is likely along the upper Colorado River Basin near the Wyoming, Utah, and Idaho border.

### Severe Weather



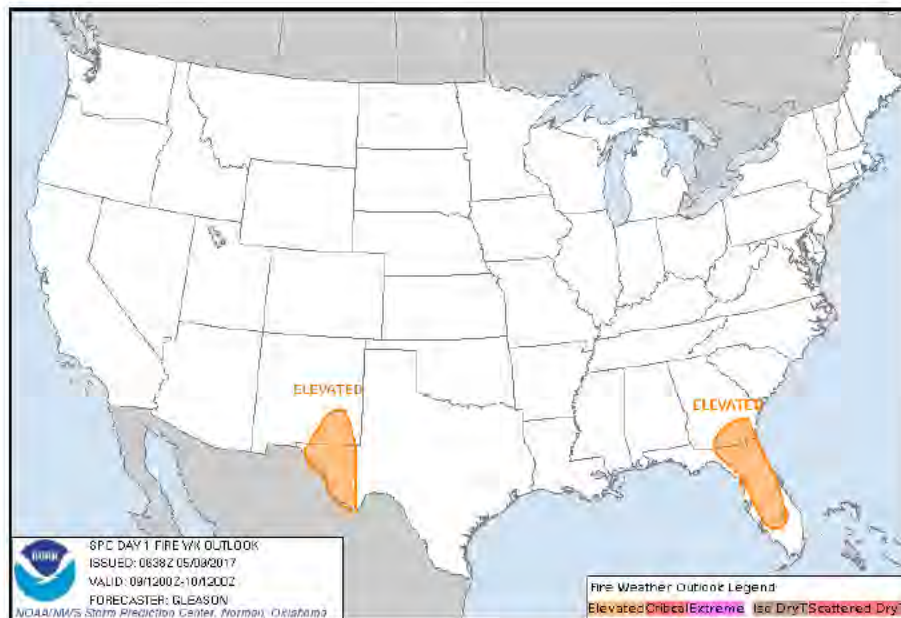
There is a Slight Risk of severe thunderstorms from the southern High Plains into eastern Colorado. There is a Marginal Risk of severe thunderstorms that extends from the Four Corners region to southern Nebraska, and across portions of the Ohio Valley.

### Tornado Weather



There is a 2 to 5-percent chance of tornado activity today from central Colorado to western Texas.

## Fire Weather



There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for southeastern New Mexico, western Texas, and from southeastern Georgia through most of Florida.

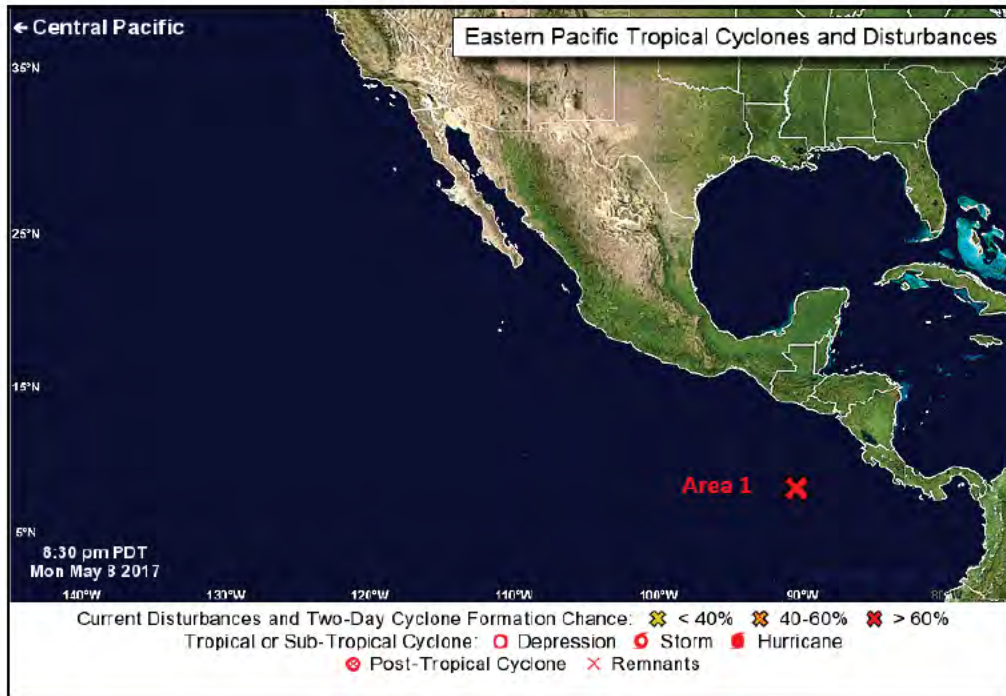
## Tropical Weather

Source: National Weather Service/National Hurricane Center - May 9, 2017

### Eastern Pacific Ocean

#### Disturbance Area 1

As of 8:30 p.m. EDT on Monday, a broad area of low pressure was located a few hundred miles south of El Salvador. Shower and thunderstorm activity is showing signs of organization, and environmental conditions are expected to be favorable for a tropical depression to form during the next day or so. The low is forecast to move slowly toward the west-northwest or northwest, remaining well offshore of the coasts of Central America and southeastern Mexico through at least Thursday. There is a 70-percent chance that this disturbance will develop into a tropical depression within the next 48 hours.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
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- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, May 10, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Severe Weather - Flooding in Central United States

**Ozark National Scenic Riverways Flood Recovery - Missouri**

*Source: National Park Service - May 7, 2017*

### **General Situation**

One week after widespread flooding caused unprecedented damage in the Ozark National Scenic Riverways, the park remains closed. It is unknown at this time when the areas will be reopened to visitors. Currently, the National Park Service (NPS) Midwest Region Incident Management Team (IMT) and more than 120 NPS employees are working to assess conditions, plan for next steps, stabilize facilities, and protect resources in the park. Initial recovery efforts include assessing all areas and facilities to address immediate health and safety concerns, and to manage compromised structures. There are some areas of the park that NPS has not yet been able to access.

All park water systems, electrical systems, and most roads and trails have been compromised. Sand, mud, gravel, and heavy debris have been deposited into the campgrounds, roads, parking areas, trails, and some facilities. Phone and internet service is currently inoperable throughout the park. For public information and status updates, information desks will be staffed at the Round Spring Contact Station, the Alley Spring General Store, and the Park Headquarters in Van Buren from 8:30 a.m. to 5:00 p.m. CDT daily. Information will also be posted on the park website at [www.nps.gov/ozar](http://www.nps.gov/ozar) and on the park's Facebook page.

Big Spring Bridge is currently closed, as the road was completely submerged and must be evaluated by a civil engineer. There is significant damage to Highway 103 and water standing on the Peavine Road. Every restroom in the Big Spring area was significantly damaged, and the Big Spring Lodge is in the process of being cleaned and dried out. The water level was reportedly 8 feet high on the main floor of the lodge during the peak of the flood.

Storyst Creek School was inundated with 4 feet of water during the flood, which has not happened in previous floods. The school is drying out now, and the building's condition is being evaluated by a skilled historic architect. A team of conservators will help clean and repair the damage.

Alley Mill had a foot of water on the main floor of the mill. Water has been pumped out of the basement, and the building is drying. Damage is being evaluated by a skilled historic architect, and a team of conservators will help clean and repair the damage in an effort to have Alley Mill open by the June 5 launch of the Ozark Riverways quarter-dollar.

At the height of the flood, the Current and Jacks Fork rivers crested almost 10 feet above the historic record, causing unprecedented damage to park facilities and surrounding communities.



*Photos: NPS*

## **United States Geological Survey Regional Flood Response Activity**

*Source: U.S. Geological Survey (USGS) – May 9, 2017*

### ***Idaho***

Idaho's record or near record snowpack continues to melt, keeping several rivers and streams above, at, or near flood stage, and under a National Weather Service (NWS) Flood Warning. The Big Wood River, the Boise River, and the Payette River remain above, at, or near flood stage. In the Big Wood River basin, the cities of Ketchum, Hailey, and Bellevue are experiencing moderate to severe flooding, causing inundation of houses along the river, flow over roads and trails, and extensive erosion. Voluntary evacuations are underway with the possibility of mandatory evacuations if flows continue to increase. Multiple high flow measurements have been made, and ratings have been extended at multiple gages along the Big Wood River and its tributaries. One gage is reportedly near its upper operational limits and has potential to be inundated. The USGS is monitoring this site closely and will install an alternate gage if needed.

The Payette River and Boise River continue at or above flood stage, causing minor to moderate flooding and erosion to low-lying property and structures, including multiple bridges, businesses, warehouses, and residence near the rivers. Three Rapid Deployment Gages (RDGs) have been installed at bridge locations along the Boise River to monitor water levels in the vicinity of the most threatened bridges, levies, and property.

In eastern Idaho, the Portneuf River and the Salt River remain above flood stage, affecting the cities of Pocatello and Etna. The Snake River, the Blackfoot River, and the Henry's Fork River are expected to exceed flood stage later this week.

In northern Idaho, the Kootenai River and its contributing tributaries are expected to approach flood stage this week, along with portions of the Salmon River, affecting communities along those river systems.

### **Department of Energy Hanford Site Tunnel Collapse**

#### **General Situation**

*Source: Department of Energy - May 9, 2017*

On May 9, the U.S. Department of Energy (DOE) Richland Operations Office activated the Hanford Emergency Operations Center, after an alert was declared. Officials responded to a cave-in of a 20 foot section of a tunnel that is hundreds of feet long, and used to store contaminated materials. The tunnel is located next to the Plutonium Uranium Extraction Facility, also known as PUREX, which is located in the center of the Hanford Site in an area known as the 200 East Area. The tunnel is one of two constructed during the Cold War near the site's PUREX facility, to store contaminated equipment from plutonium production operations.

The approximately 360-foot-long tunnel, where the partial collapse occurred, contains eight rail cars loaded with contaminated equipment. That tunnel feeds into a longer tunnel that extends hundreds more feet and contains 28 rail cars loaded with contaminated equipment. The hole

opened up in the shorter tunnel near where it joins the longer tunnel. The tunnels were sealed in the mid-1990s and are checked periodically.

There has been no indication of a release of contamination, but crews are continuing to survey the area. All personnel in the vicinity of the PUREX facility have been accounted for, and there are no reports of injuries. The DOE has modified employees' work schedules to ensure only essential employees are reporting for work.

Officials continue to monitor the air and are working on how they will repair the hole in the tunnel roof. They are looking at options that would provide a barrier between the contaminated equipment in the tunnel and the outside air that would not cause the hole in the tunnel's roof to widen. Crews are using hand surveying techniques in the outer areas around the PUREX facility. At and near the area of subsidence, crews have deployed a TALON, which is a remote operated surveying device that is capable of radiological and industrial hygiene monitoring as well as capturing video footage. The TALON device allows crews to safely survey potential areas of contamination from a distance of up to a half mile.



Department of Energy Graphic

### **Bureau and Office Reporting**

#### **Manhattan Project National Historical Site, B Reactor National Historic Landmark**

**Source:** National Park Service - May 9, 2017

### **Overview**

The B Reactor National Historic Landmark, part of the Hanford Unit of the Manhattan Project National Historical Park, is the world's first full-scale plutonium production reactor. Created as part of the top secret Manhattan Project during World War II, the B Reactor produced the plutonium used in the Trinity Test (the world's first nuclear detonation) in July 1945, and the



atomic bomb dropped on Nagasaki, Japan in August 1945 that contributed to the Japanese surrender and end of World War II.

On May 9, a NPS sanctioned tour was enroute to the B Reactor site when they were notified of the tunnel collapse. The group of 20 visitors sheltered in place at Reactor B, which is 8 miles northwest of the PUREX facility. After consultation with the Hanford Emergency Operations Center, the shelter in place order was lifted, and the tour group was able to finish the tour and return to the visitor center. There were no impacts to NPS visitors, employees, or contractors associated with this event. The DOE staff who run the tours to the B Reactor do not anticipate any impacts to tour operations due to this event.

### **Hanford Reach National Monument**

*Source: U.S. Fish and Wildlife Service - May 9, 2017*

There are no impacts to the monument as a result of the Hanford tunnel collapse at this time. U.S. Fish and Wildlife Service staff are monitoring the situation closely and are coordinating with the Hanford Site personnel.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 10, 2017*

The Mulberry Fire in Arizona has reached 100-percent containment and will not be summarized in today's report. Updates to the International and Cowbell fires, in Florida, were not available due to routine maintenance being performed on the Fire and Aviation Management website.

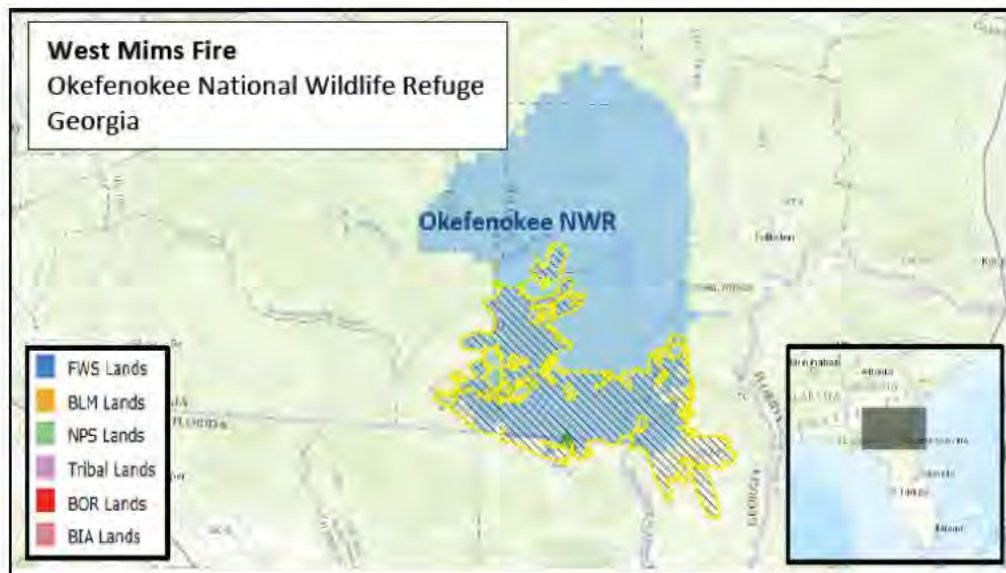
### **Georgia Fires**

#### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 140,409 (+6,662)
- Containment: 12-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 725 (+34) / 100 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 800 (+298) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: November 1

Comments: The fire was active again yesterday, mostly centered on areas to the south of Highway 94. A weather inversion helped to reduce fire intensity, but a visible column with active burning developed by early-afternoon. Other areas of the fire experienced smoldering, creeping, and active flame from re-burn activity. The Southern Area Red Team is coordinating

with Florida and Georgia emergency management personnel on structure protection and evacuation needs for the southeastern portion of the fire. The Southern Area Red Team is also supporting the Joint Information Coordination Center, which is being managed by the State of Georgia.



IGEMS Image

## Volcano Activity

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 9, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 9, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit, in the Halema'uma'u Crater, and at Pu'u 'Ō'ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean and form a lava delta at Kamokuna. Active surface flows appear to persist above and near the pali southeast of

Pu'u 'Ō'ō, but pose no threat to nearby communities. Low rates of ground surface deformations and seismicity continue across the volcano.

### **Earthquake Activity**

*Source: U.S. Geological Survey Alaska Volcano Observatory (AVO)– May 10, 2017*

The USGS reported that a magnitude 6.8 earthquake occurred on May 9 at 11:52 a.m. EDT, approximately 65 miles to the north-northeast of Santo (Luganville), Vanuatu at a depth of 111 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this earthquake.

The USGS also reported that a magnitude 5.9 earthquake occurred on May 10 at 3:59 a.m. EDT, approximately 17 miles to the southwest of the Tanaga Volcano in Alaska, at a depth of 6 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this earthquake.

### **Significant National Weather**

*Source: National Weather Service - May 10, 2017*

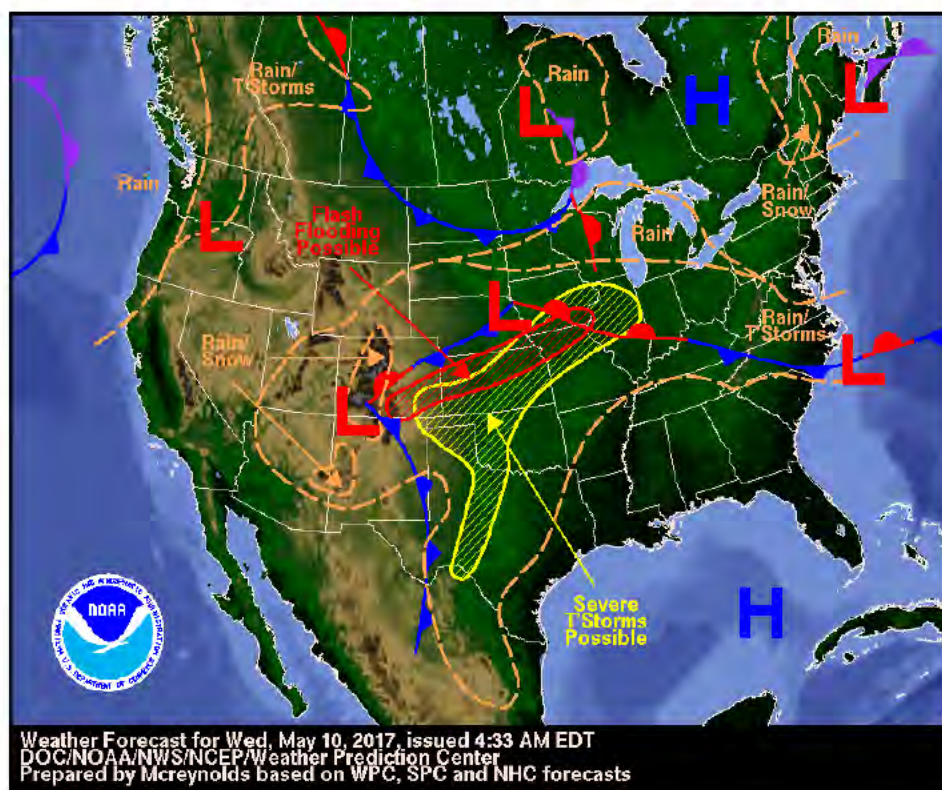
#### **Today:**

Rain and thunderstorms will develop today from the southern mid-Atlantic, through the Ohio Valley and the Great Lakes, and into the Plains and Four Corners region. Scattered severe thunderstorms are expected along a corridor extending from the southern Plains to the middle Mississippi Valley. The strongest activity will be located across parts of northwestern Texas and southwestern Oklahoma, where very large hail and a few tornadoes are possible. Heavy rain, which could produce localized flooding and flash flooding conditions, will be possible from southeastern Colorado to the Iowa/Missouri border. Rain and snow showers are possible for the central Rockies and the mountains of southern New Mexico. A Pacific frontal system will approach the Pacific Northwest today, and rain will extend from the western parts of Washington and Oregon into northwestern California.

#### **Tomorrow:**

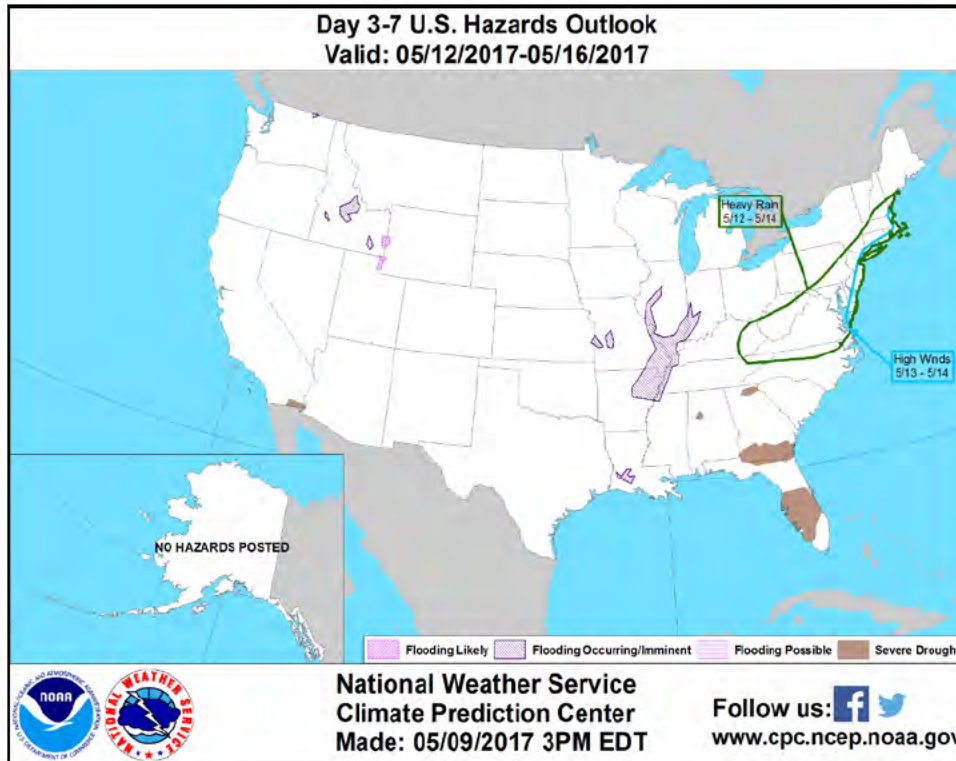
Scattered rain showers are possible for portions of the Canadian Maritimes and for eastern New England. An area of low pressure and cold front will slide across the Great Lakes. Rain will develop across parts of the western Great Lakes and Wisconsin while more rain is expected from the eastern Great Lakes, to New York and Pennsylvania, and into the central mid-Atlantic coast. Rain and thunderstorms will develop from the Carolinas into the Ohio Valley, middle and lower Mississippi Valley, central Great Plains, Colorado, and New Mexico. Severe thunderstorms will be possible across eastern Oklahoma, northeastern Texas, far northwestern Louisiana, western and central Arkansas, and into southern Missouri. Large hail and strong wind gusts will be the main threat with these storms during the afternoon and evening. Additional strong to severe storms, mainly producing hail and some gusty winds, are possible across parts of the mid-Mississippi and lower Ohio valleys, to parts of the central Appalachians and eastern North Carolina. Heavy rain, which could produce areas of flooding and flash flooding, will be possible

for portions of the upper Ohio River Valley and central Appalachians. Rain and snow are possible again for the central Rockies. The above mentioned Pacific frontal system will have moved inland, and will stretch from western British Columbia south through central Washington and Oregon, then through northern California. Rain will develop from Vancouver Island south along the coast to portions of the northern California. Rain and snow showers are likely for the higher elevations from British Columbia south through central Washington, central Oregon, and northern California. Rain and thunderstorms are forecast for the northern Rockies.



### Weather Hazard Assessment

- May 12-14: Heavy rain is shifting east from the central Appalachians to the mid-Atlantic and Northeast.
- May 13-14: High winds for coastal areas of the mid-Atlantic and Northeast.
- May 17: A slight risk of much above-normal temperatures for parts of the central Plains.
- May 17-19: A slight risk of much below-normal temperatures for parts of the western U.S.
- May 18-19: A slight risk of much above-normal temperatures for parts of the Southeast.

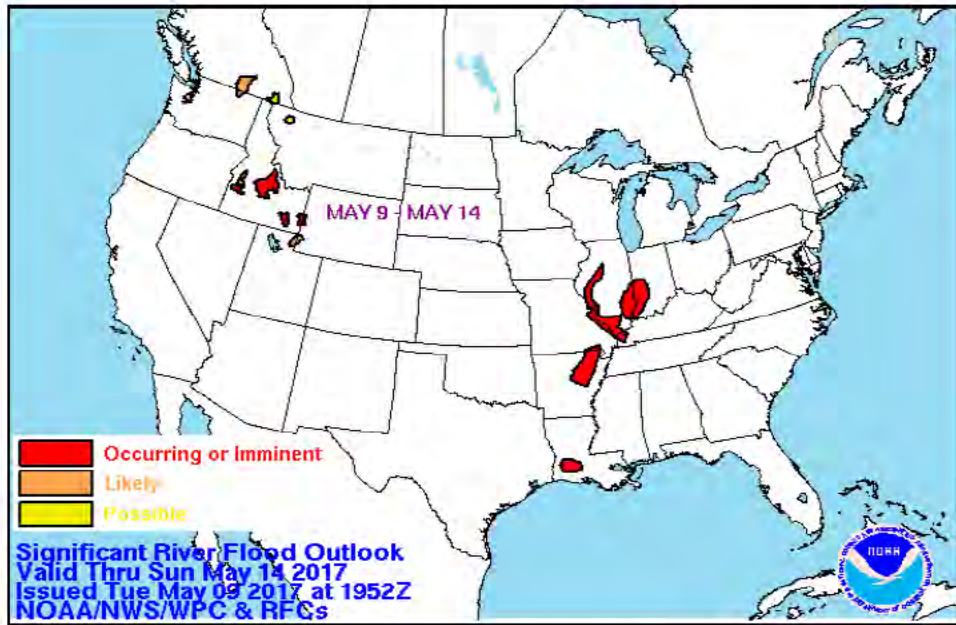


## Alaska Weather



A Small Craft Advisory is in effect for the central Aleutians, the Alaska Peninsula, from Dixon Entrance to Cape Decision, and in St. Matthew Island waters. A Gale Warning is in effect from Nikolski to Cape Sarichef, from Adak to Attu, the Pribilof Islands, and in Bering Sea waters north of the Aleutians.

## Significant River Flooding



Flooding is occurring or imminent in portions of Idaho, western Wyoming, eastern Missouri, portions of Illinois, western Indiana, eastern Arkansas, western Kentucky, and southern Louisiana. Flooding is likely or possible in northeastern Washington, northern Idaho, northwestern Montana, north-central Utah, and southwestern Wyoming.

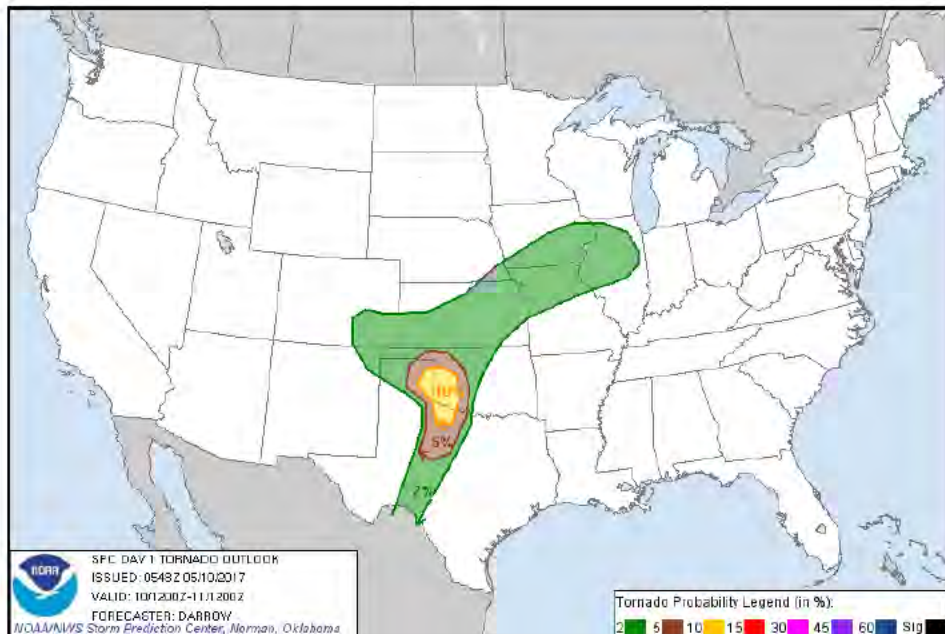
## Severe Weather



There is an Enhanced Risk of severe thunderstorms today across portions of northern Texas and southwestern Oklahoma. There is a Slight Risk of severe thunderstorms from the southern

Plains to the middle Mississippi Valley, and there is a Marginal Risk of severe thunderstorms from southwestern Texas to the Ohio Valley.

### Tornado Weather



There is a 5 to 10-percent chance of tornado activity today from central Texas to western Oklahoma. There is a 2-percent chance of tornado activity today from northern Illinois to central Texas.

### Fire Weather



There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for portions of southern Georgia and most of Florida.

## Tropical Weather

Source: National Weather Service/National Hurricane Center - May 10, 2017

### Eastern Pacific Ocean

#### Tropical Storm Adrian

The first tropical storm of the eastern Pacific season formed approximately 360 miles to the southwest of San Salvador, El Salvador. As of 5:00 a.m. EDT this morning, Tropical Storm Adrian was located 460 miles to the south-southeast of Salina Cruz, Mexico and moving to the northwest at 7 miles per hour. This general motion is expected to continue over the next couple of days. The storm is producing maximum sustained winds of 45 miles per hour, and Tropical Storm Adrian is expected to approach hurricane strength by Friday. There are no coastal watches or warnings in effect at this time.



HURREVAC Image

*\*End of Report\**



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Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, May 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Department of Energy Hanford Site Tunnel Collapse (Final)

### **General Situation**

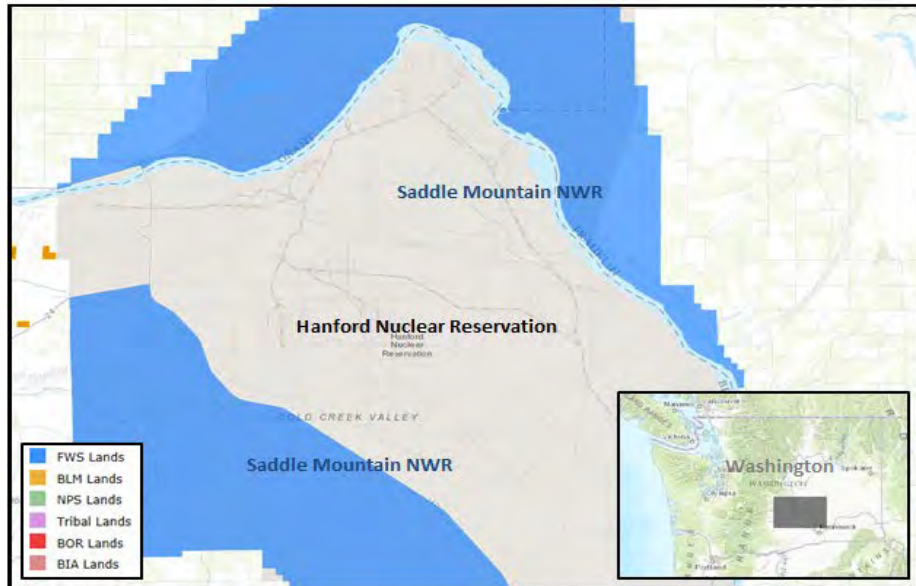
Source: *Department of Energy - May 10, 2017*

On May 9, the U.S. Department of Energy (DOE) Richland Operations Office activated the Hanford Emergency Operations Center, after an alert was declared. Officials responded to a cave-in of a 20-foot section of a tunnel that is hundreds of feet long and used to store contaminated materials. The tunnel is located next to the Plutonium Uranium Extraction Facility, also known as PUREX, which is located in the center of the Hanford Site in Washington.

Following the alert, all personnel in the area were directed to shelter-in-place while the location of the soil subsidence was investigated further. The investigation revealed that there was a 20-foot by 20-foot hole in the top of one of the tunnels. At that time, the alert was expanded to a Site Area Emergency, and the shelter-in-place order was expanded as well.

The Site Area Emergency was terminated last night after numerous radiological air samples indicated that no release of radioactive contamination had occurred, and the 20-foot hole had been filled. No injuries have been reported. Most Hanford Site workers are expected to resume a normal work schedule today. Officials plan to take additional near-term actions to ensure the safety of the workforce and the public prior to allowing uncontrolled access to the area where the partial tunnel collapse occurred.

There have been no reported impacts to the National Park Service (NPS)-managed B Reactor National Historic Landmark or the Saddle Mountain National Wildlife Refuge, which straddles the Hanford Nuclear Reservation to the north and south.



IGEMS Image

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - May 11, 2017*

### **Florida Fires**

#### **International Fire**

- Start Date: May 4
- Location: Merritt Island National Wildlife Refuge, FL (USFWS)
- Burned Acres: 1,600 (no change)
- Containment: 90-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 16 (-8) / 13 (-8)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: May 11

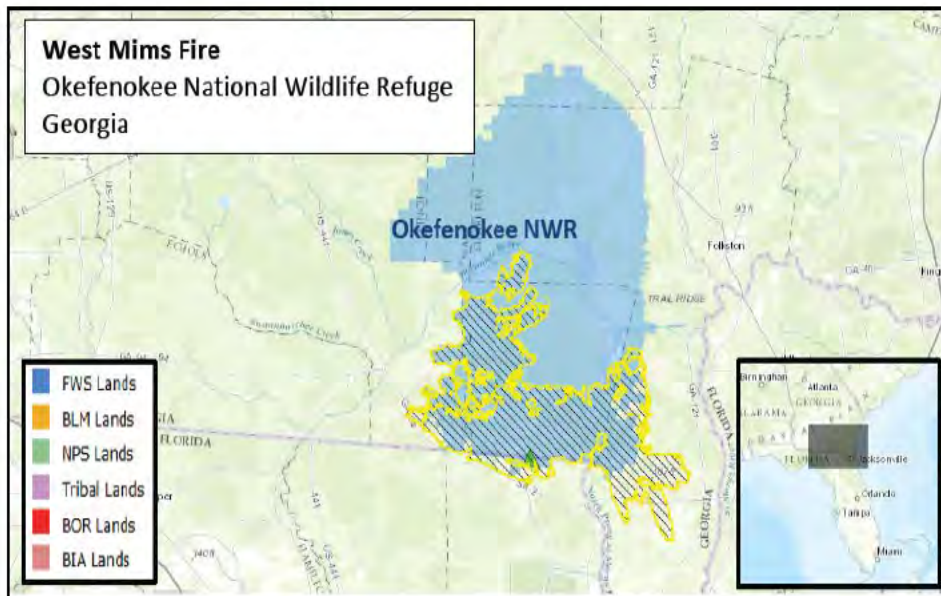
Comments: Moderate fire behavior was observed during this reporting period, but no additional perimeter growth is expected. Fire crews are continuing to perform burnout operations as needed. Full containment is expected to occur today, and additional reporting will not occur unless conditions change.



IGEMS Image

## Georgia Fires

### West Mims Fire



IGEMS Image

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 143,893 (+3,484)
- Containment: 12-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 711 (-14) / 106 (+6)

- Structures Threatened-Single-Mixed Residential/Commercial: 800 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the operational period, and very intense fire behavior occurred on the southeastern side of the fire. The fire escaped containment and made a hard push to the south and east, west of St. George. Other areas of the fire experienced smoldering, creeping, and active flame from re-burn activities. The Incident Commander is coordinating with Florida and Georgia emergency management agencies on structure protection and evacuation needs for the southeastern portions of the fire.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit, in the Halema'uma'u Crater, and at Pu'u Ō'ō on the East Rift Zone. On Wednesday morning, the lava lake surface was measured at 67 feet below the adjacent crater floor. The episode 61g lava flow continues to enter the ocean and form a lava delta at Kamokuna, and active surface flows appear to persist above and near the pali. These lava flows pose no threat to nearby communities. Low rates of ground surface deformations and seismicity continue across the volcano.

### **Earthquake Activity**

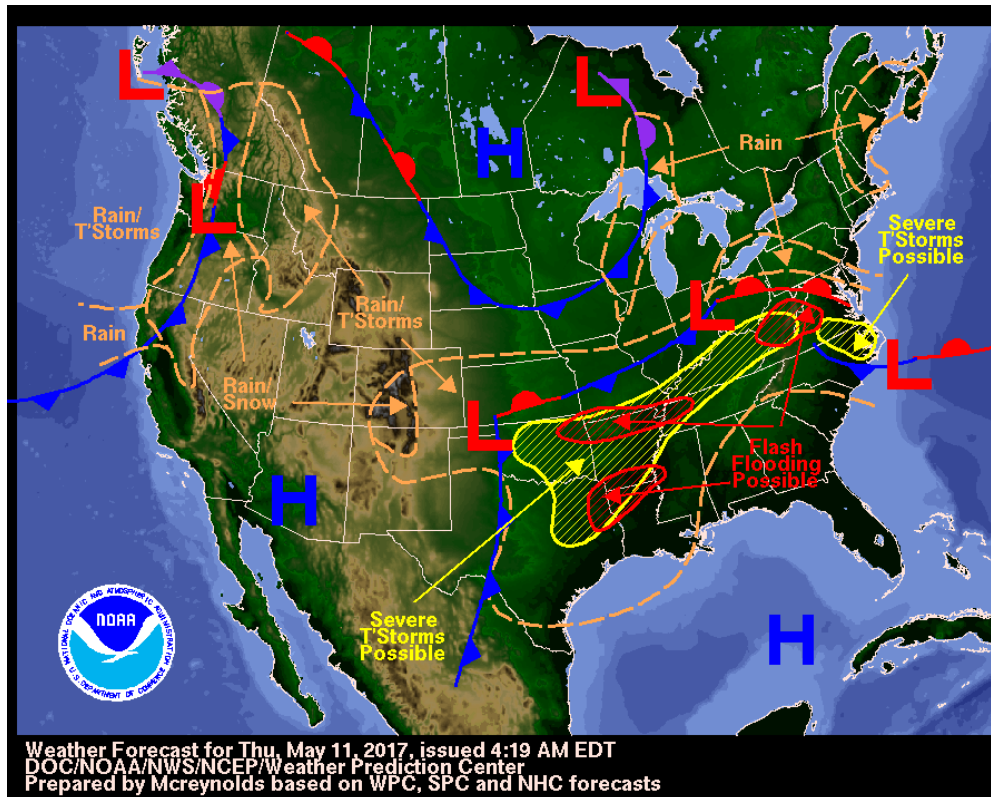
*Source: U.S. Geological Survey Alaska Volcano Observatory (AVO)– May 10, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.8 earthquake occurred on May 10 at 7:24 p.m. EDT, approximately 181 miles east of Bristol Island in the Sandwich Islands, located in the southern Atlantic Ocean. The earthquake occurred at a depth of 6 miles.

The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this earthquake.

### **Significant National Weather**

*Source: National Weather Service - May 11, 2017*



### **Today:**

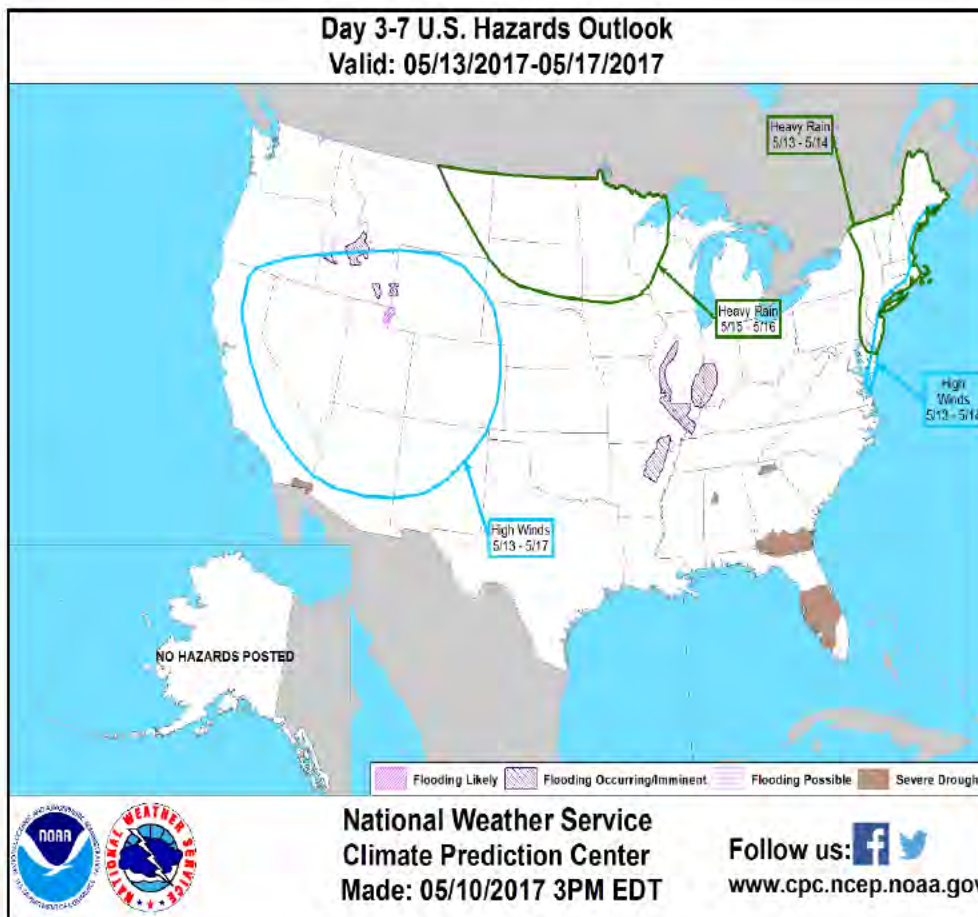
Scattered rain showers will continue to linger across parts of northern New England and the Canadian Maritimes. A frontal system will move from the mid-Atlantic through the Ohio Valley and back into the central Plains, connecting with an area of low pressure producing a cold front reaching into central Texas. Rain and thunderstorms will develop from the mid-Atlantic through the Ohio and Tennessee valleys, to the central and southern Plains, and into the lower Mississippi Valley. Severe thunderstorms will be possible across eastern Oklahoma, northeastern Texas, northwestern Louisiana, western and central Arkansas, and into southern Missouri. Large hail and strong wind gusts will be the main threats with these storms during the afternoon and evening. Additional strong to severe thunderstorms, producing hail and strong wind gusts, are possible across parts of the mid-Mississippi and lower Ohio valleys, stretching into parts of the central Appalachians and eastern North Carolina. Some of these thunderstorms will also produce heavy rain and possible flash flooding, especially over portions of Arkansas, Louisiana, Texas, the mid-Mississippi and lower Tennessee valleys, and the central Appalachians. Rain and snow are possible for the central Rockies. A rain producing cold front will move down from Canada into the western Great Lakes, upper Midwest, and northern Plains. A Pacific frontal system will continue to push into the Northwest and California producing

showers and thunderstorms. Showers and thunderstorms are possible from the Canadian Rockies south into the northern Rockies. Rain and snow are likely across the higher elevations of the Cascades and northern Sierras.

**Tomorrow:**

Rain and thunderstorms will develop tomorrow from the mid-Atlantic, through the central and southern Appalachians, and into the Deep South and the lower Mississippi Valley. Strong thunderstorms will be possible from the Deep South to the southern Appalachians, with gusty winds and hail being the main threat. Heavy rain, along with flash flooding, will be possible across portions of the central Appalachians. Rain showers will likely develop across the Northeast, the eastern Great Lakes, and in portions of the upper Midwest. Thunderstorms will develop from central Montana into Canada, and rain and snow will be widespread across parts of the Northwest, the northern Great Basin, and the northern Sierras. Rain and thunderstorms will continue along the coast from Vancouver Island to northwestern California.

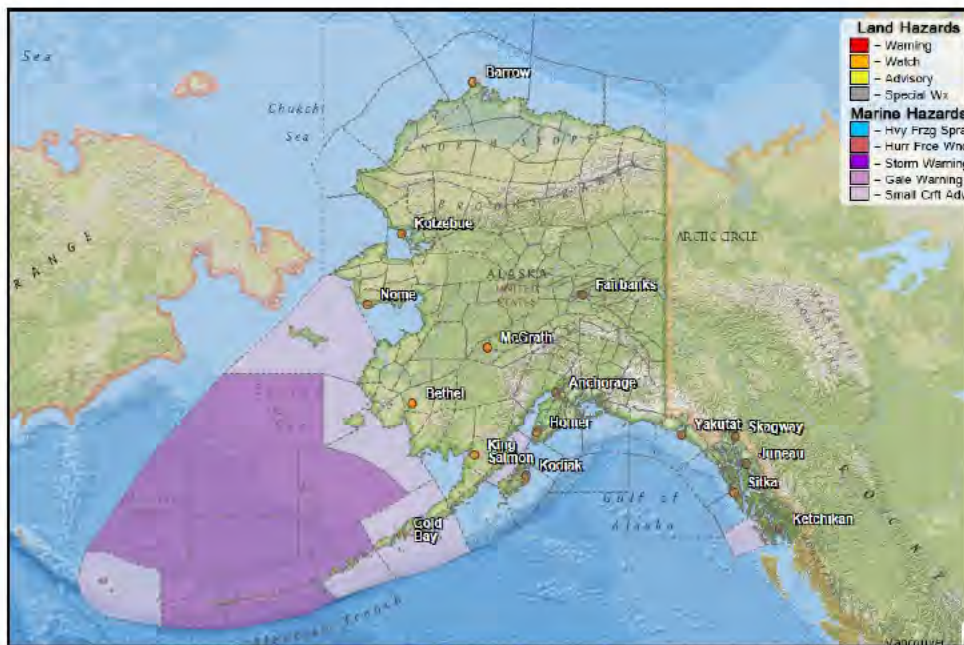
**Weather Hazard Assessment**



- May 11: Severe Drought across parts of the Southeast, southern California, and Hawaii.

- May 11: Flooding is occurring or imminent for parts of the middle to lower Mississippi Valley, the Midwest, the Pacific Northwest, and the northern Rockies.
- May 13-14: Heavy rain and high winds for the mid-Atlantic and New England.
- May 13-17: Periods of high winds for parts of the western United States.
- May 15-16: Heavy rain for the northern Great Plains and upper Mississippi Valley.
- May 18-19: Heavy rain for parts of the Great Plains.
- May 18-20: A slight risk of much below-normal temperatures for parts of the western and southeastern United States.

## Alaska Weather

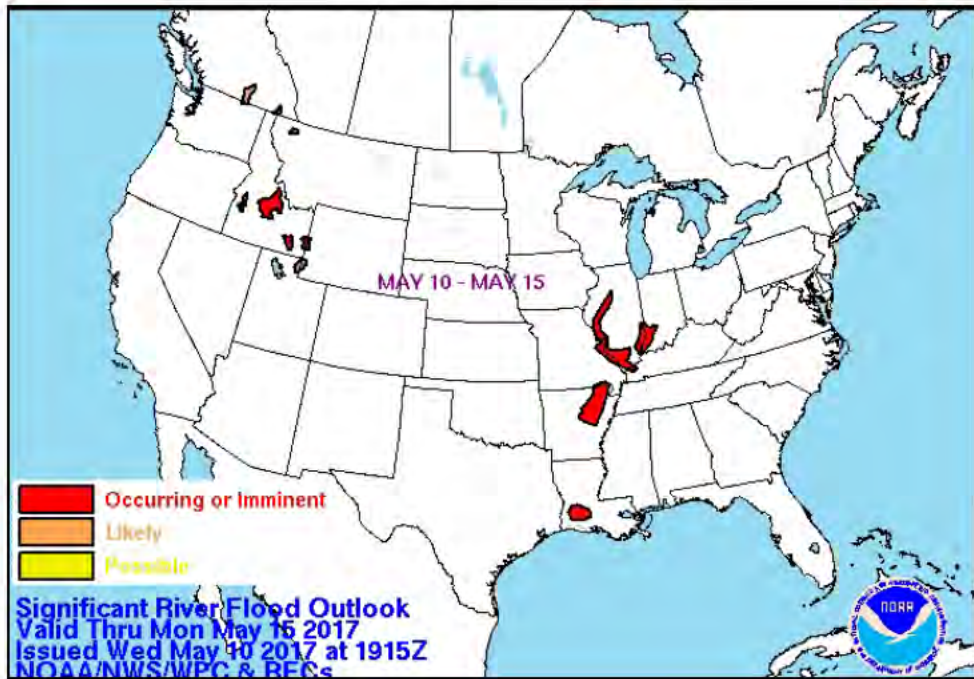


A Gale Warning is in effect for the Bering Sea from St. Matthew Island to the Aleutian Islands. A Small Craft Advisory is in effect for the waters off of St. Lawrence Island, Nunivak Island, the waters to the south of the Kuskokwim Delta, from Attu to Kiska, from Nikolski to Unimak Pass, the Shelikof Strait, and near Ketchikan.

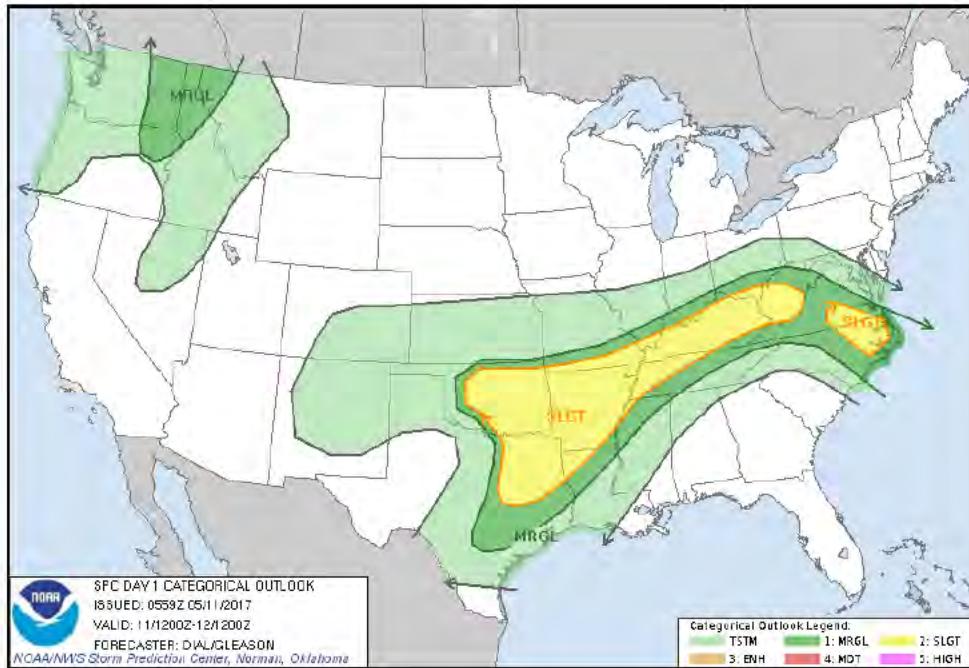
## Significant River Flooding

Flooding is occurring or imminent in central and southern Idaho, eastern Missouri, portions of Illinois, southwestern Indiana, northeastern Arkansas, western Kentucky, and southern Louisiana. Flooding is likely in northeastern Washington, northern Utah, northwestern Montana, and western Wyoming.



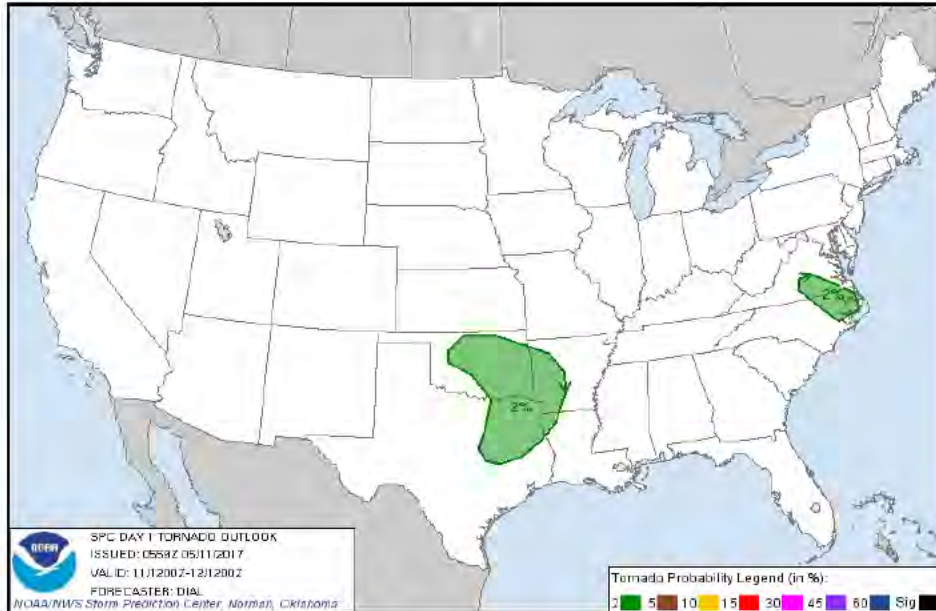


**Severe Weather**



There is a Slight Risk of severe thunderstorms today from the southern Plains to the lower Mississippi and Ohio valleys, as well as from south-central Virginia to northeastern North Carolina. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area and over the northern Rockies.

## Tornado Weather



There is a 2-percent chance of tornado activity today in Oklahoma, western Arkansas, northwestern Louisiana, and eastern Texas. A 2-percent chance of tornado activity also exists from south-central Virginia to the Outer Banks of North Carolina.

## Fire Weather



Critical Fire Weather is forecast today for portions of northern and central Florida and far southeastern Georgia. An area of Elevated Fire Weather surrounds the Critical Fire Weather area and extends from coastal Georgia to southern Florida.

## **Tropical Weather**

Source: National Weather Service/National Hurricane Center - May 11, 2017

### **Eastern Pacific Ocean - Tropical Depression Adrian**



HURREVAC Image

As of 5:00 a.m. EDT this morning, Tropical Depression Adrian was located 385 miles to the south-southeast of Salina Cruz, Mexico and was moving northwest at 7 miles per hour. This general motion is expected to continue through today, followed by a gradual turn toward the west-northwest tonight and Friday. Adrian is predicted to continue to weaken and become a remnant low today. There are no coastal watches or warnings in effect.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, May 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 12, 2017*

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,866 (no change)
- Containment: 87-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 92 (-12) / 61 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Moderate fire activity was observed during this reporting period. The primary objective is to keep fire south of the Big Cypress National Preserve's northern boundary to minimize the impacts to Seminole and Miccosukee tribal lands, private land near the boundaries of the Big Cypress National Preserve, and Florida Panther Wildlife Refuge.



IGEMS Image

## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 144,073 (+180)
- Containment: 15-percent (+3)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 727 (+16) / 111 (+5)
- Structures Threatened-Single-Mixed Residential/Commercial: 800 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Active fire behavior was observed during the operational period. The fire spotted across containment lines on the southeast perimeter. Problems from spotting caused part of a containment line to be lost. Fire behavior on the south side of Hwy 94 is currently very intense and resistant to control. Other areas of the fire are experiencing re-burn, smoldering, and creeping. The threat of reburn is steadily increasing. The fire is being fought under a 78-percent Confine and 22-percent Suppression strategy.



IGEMS Image

## Volcano Activity

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 11, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in cloudy satellite and web camera images during the observation period, and no activity was detected in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 11, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit in Halema'uma'u Crater and at Pu'u 'Ō'ō on the East Rift Zone. Thursday morning, the lava lake surface was measured at 54 feet below the adjacent crater floor. The Pu'u 'Ō'ō episode 61g lava flow continues to enter the ocean and form a lava delta at Kamokuna. Active surface flows appear to persist above and near the pali southeast of Pu'u 'Ō'ō. These pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Earthquake Activity

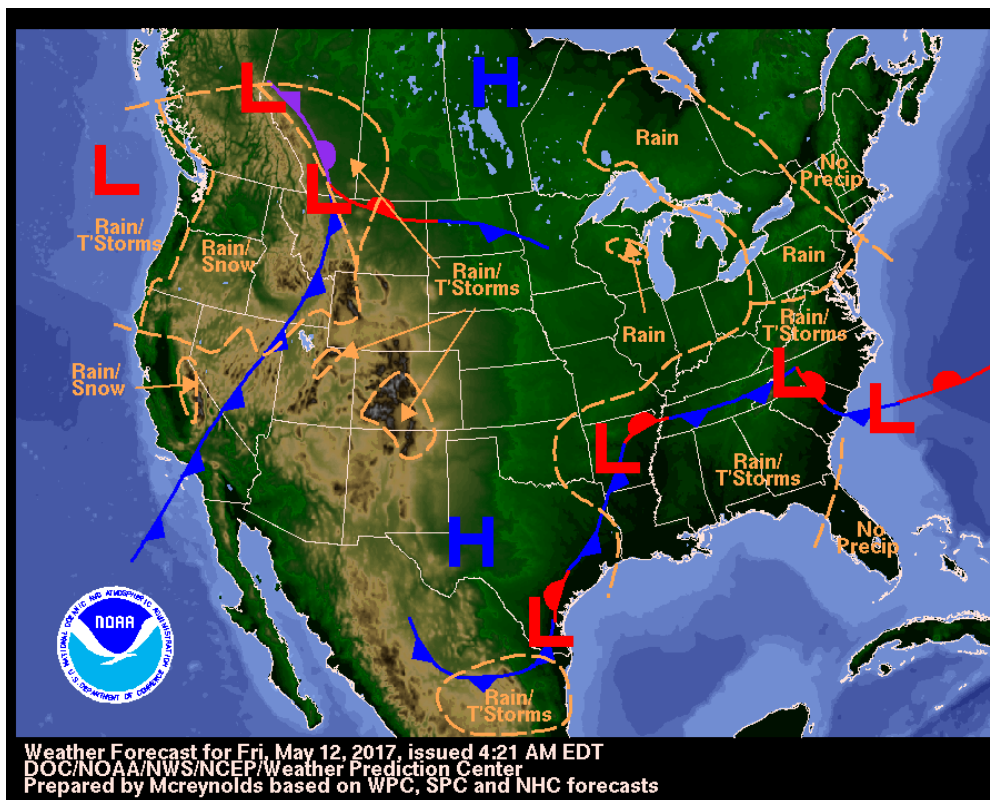
Source: U.S. Geological Survey (USGS) – May 11, 2017

The United States Geological Survey (USGS) reported that a magnitude 6.2 earthquake occurred this morning at 6:41 a.m. EDT, approximately 79 miles southwest of San Salvador, El Salvador. The earthquake occurred at a depth of 6 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties or damage. There was no tsunami threat associated with this earthquake.

The United States Geological Survey (USGS) reported that a magnitude 5.2 earthquake occurred on May 11 at 10:36 a.m. EDT, approximately 38 miles southeast of Kodiak Island, Alaska. The earthquake occurred at a depth of 18 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties or damage. There was no tsunami threat associated with this earthquake.

## Significant National Weather

Source: National Weather Service - May 12, 2017



### **Today:**

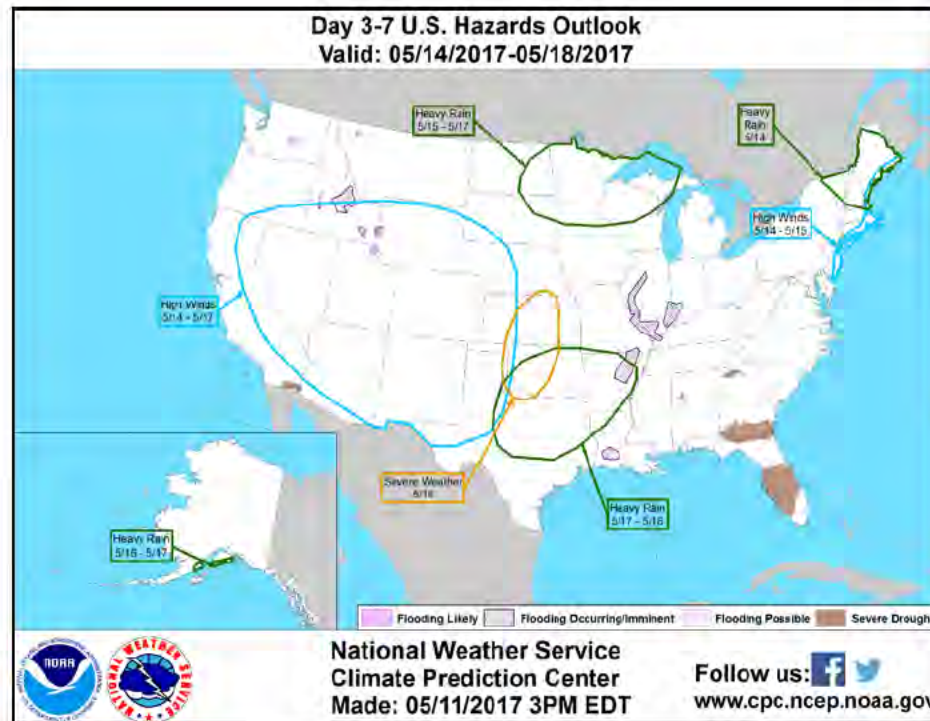
A persistent front stretching from the Carolinas to the southern Plains will keep the eastern U.S. damp. Rain and thunderstorms will cover much of eastern U.S. through Saturday. There is a marginal potential for severe weather from the central Gulf Coast to the Smoky Mountain region. Heavy rain, possibly 2-4 inches, will fall across the Tennessee Valley and up the I-95 corridor.

Flooding is possible for the middle Mississippi River Valley and the central Appalachians. A storm system will bring showers, thunderstorms, rain, and possibly snow to the Pacific Northwest and the Rockies. High pressure controls much of the central U.S. with highs rising from 70s into the 80s by Saturday. Critical and elevated fire weather conditions are expected for much of the peninsula of Florida and southeastern Georgia; this will persist into Saturday as front over the Southeast progresses eastward.

### Tomorrow:

Rain and thunderstorms will develop from the northeastern coastal region southward along the East Coast to the Southeast and the Florida Peninsula. Heavy rain and flash flooding are possible for the northern New Jersey region eastward into Long Island. Rain is likely to develop over the Appalachians, portions of the Northeast, and New England. The Great Lakes frontal system continues to push eastward into the eastern and southern Great Lakes, stretching back into the northern High Plains. Showers will develop over the eastern and central Great Lakes. Rain showers are also possible for portions of eastern Wisconsin and northern Illinois, Indiana, and Ohio. The Pacific frontal system will now extend from eastern Montana back through the Rockies into Utah and border areas of California and Arizona. Rain and thunderstorms will develop across the western High Plains north of the New Mexico-Colorado border. Rain and snow will continue over the intermountain Northwest region and the northern Great Basin. Rain will continue along the Pacific coast from northwestern California northward.

### Weather Hazard Assessment



- May 12: Severe Drought across the Tennessee Valley, Hawaii, California, the southern Appalachians, the Southeast, and the Southwest.



- May 14: Heavy rain across portions of the Northeast.
- May 14-15: High winds across coastal portions of the mid-Atlantic and the Northeast.
- May 14-17: High winds across parts of the western half of the continental United States.
- May 15-17: Heavy rain across portions of the Great Lakes, the upper Mississippi Valley, and the northern Plains.
- May 16: Severe weather across portions of the central and the southern Plains.
- May 16-17: Heavy rain across coastal portions of the Kenai Peninsula.
- May 17-18: Heavy rain across portions of the lower Mississippi Valley and the southern Plains.
- May 19-21: Heavy rain across portions of the southern and central Plains, and the lower, middle and upper Mississippi Valley.
- May 19-21: Slight risk of much below normal temperatures for portions of the western continental United States, the central Great Basin and for portions of the Southeast and North Carolina.

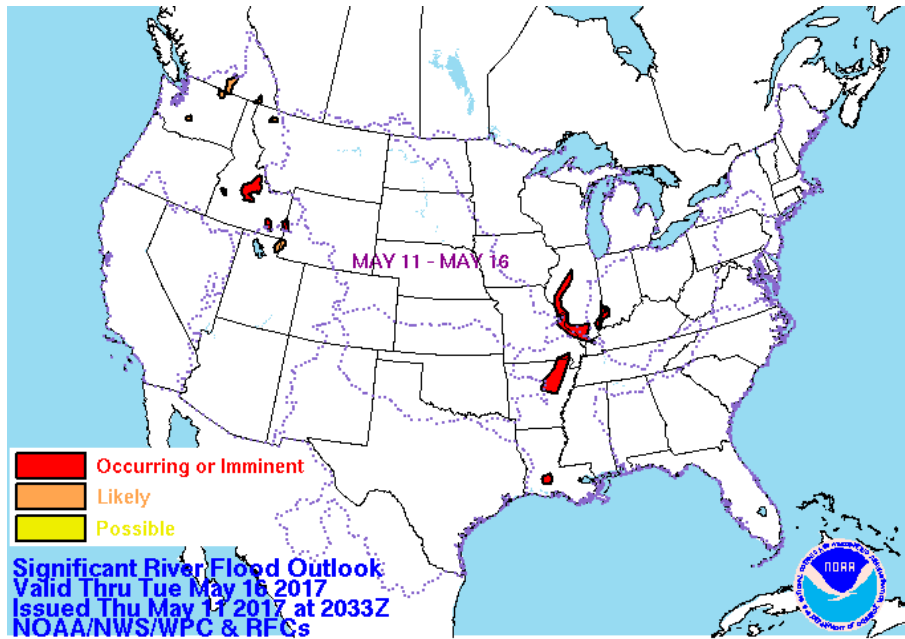
## Alaska Weather



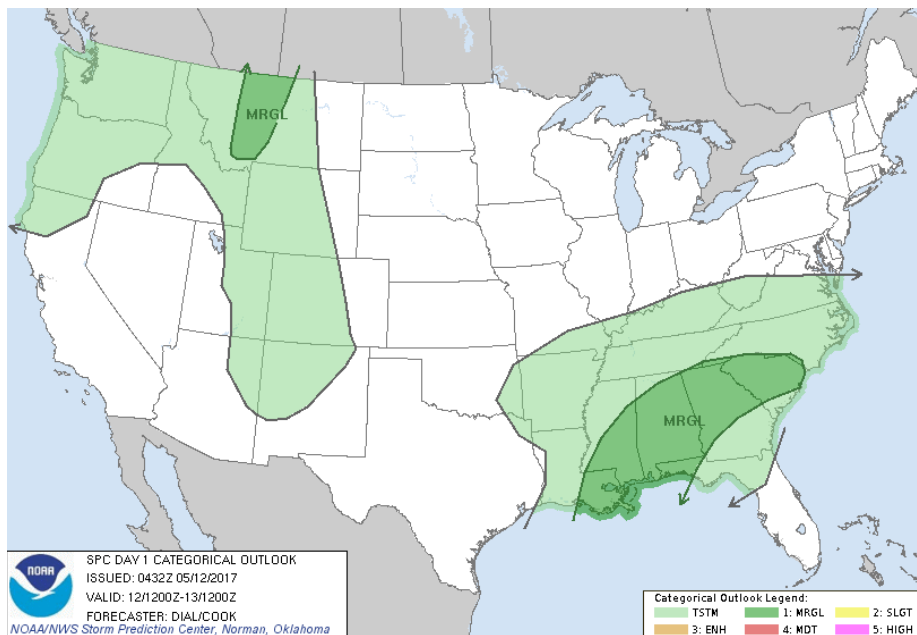
A Storm Warning is in effect from Kiska to Adak. A Gale Warning is in effect for the central Aleutians from Kiska to Nikolski. A Brisk Wind Advisory is in effect from Cape Beaufort to Point Franklin. A Small Craft Advisory is in effect for the western Aleutian Islands from Kiska to Attu, the eastern Aleutians into the central Gulf of Alaska, the St. Lawrence Island waters, the Kuskokwim Delta and Etolin Strait, the Shelikof Strait, and the eastern Gulf of Alaska from Cape Fairweather to Ketchikan.

## Significant River Flooding

Flooding is occurring or imminent in central and southern Idaho, western Wyoming, portions of Illinois, southwestern Indiana, eastern Missouri, northeastern Arkansas, western Kentucky, and southern Louisiana. Flooding is likely in north-central and central Washington, northwestern Montana, and western Wyoming.



## Severe Weather

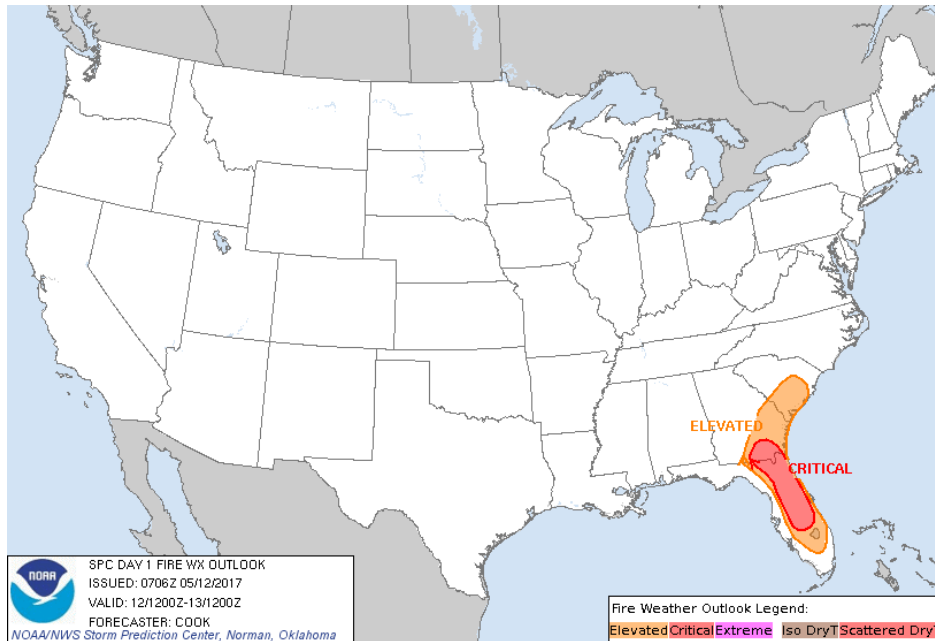


There is a Marginal Risk of severe thunderstorms over a portion of western Montana as well as over a portion of the southern states from Louisiana into southern North Carolina..

## **Tornado Weather**

There is less than a 2-percent chance of tornado activity across the United States.

## **Fire Weather**



Critical Fire Weather is forecast today for portions of northern and central Florida and far southeastern Georgia. An area of Elevated Fire Weather surrounds the Critical Fire Weather area and extends from southern Florida to central South Carolina.

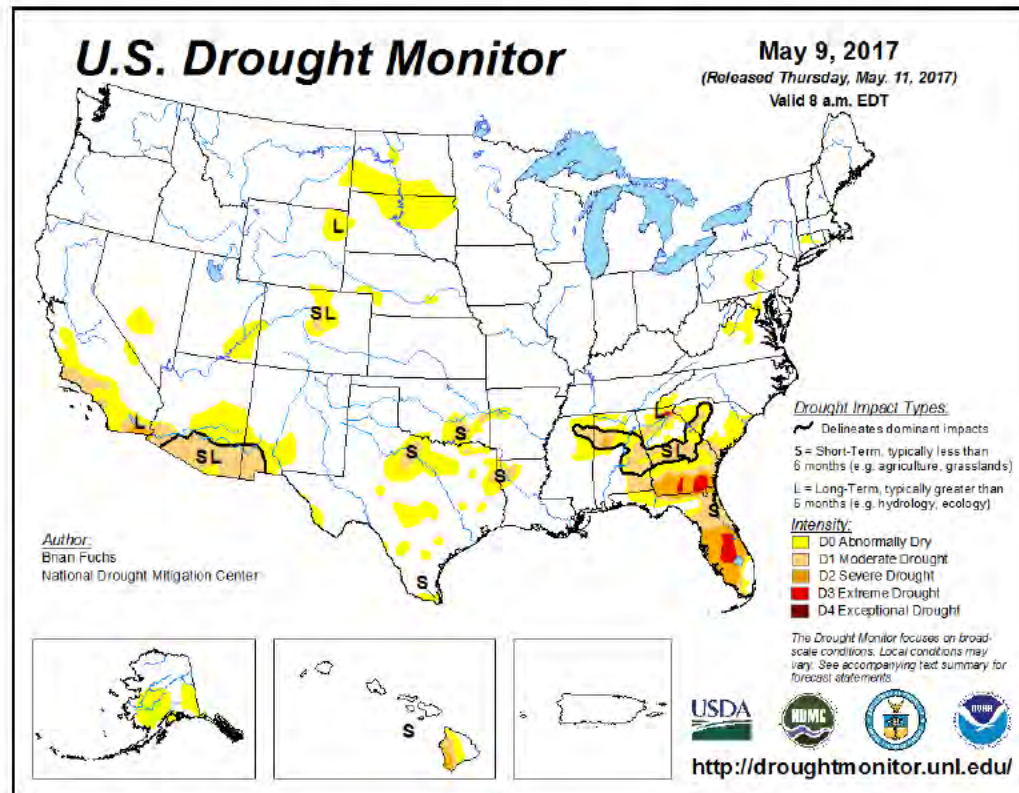
## **Other News and Notes**

### **U.S. Drought Monitor**

*Source: National Drought Mitigation Center – May 11, 2017*

The Midwest continued to be inundated with heavy rains from southern Kansas through Missouri and into southern Illinois and Indiana. Amounts associated with the Midwest rains were generally in the 1-3 inch range, with locally higher amounts. Much of the eastern United States was wet over the last week; many areas recorded above-normal precipitation and the rains kept temperatures below normal, with departures of 10 degrees or more over the Midwest. Over the weekend, heat returned to the Southwest with several days of temperatures above 100 degrees F while most of the western half of the United States had above-normal temperatures with departures of 6-8 degrees above normal in the Dakotas and northern Rocky Mountains. Much of

the West and Plains were dry for the week, with just scattered thunderstorms in the Rocky Mountains and rains along the coastal areas of the Pacific Northwest.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, May 15, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 15, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,866 (no change)
- Containment: 87-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 92 (-12) / 61 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: The Cowbell Fire has not been updated since May 11. The primary objective remains to keep the fire south of the Big Cypress National Preserve's northern boundary to minimize the impacts to Seminole and Miccosukee tribal lands, private land near the boundaries of the Big Cypress National Preserve, and the Florida Panther Wildlife Refuge.



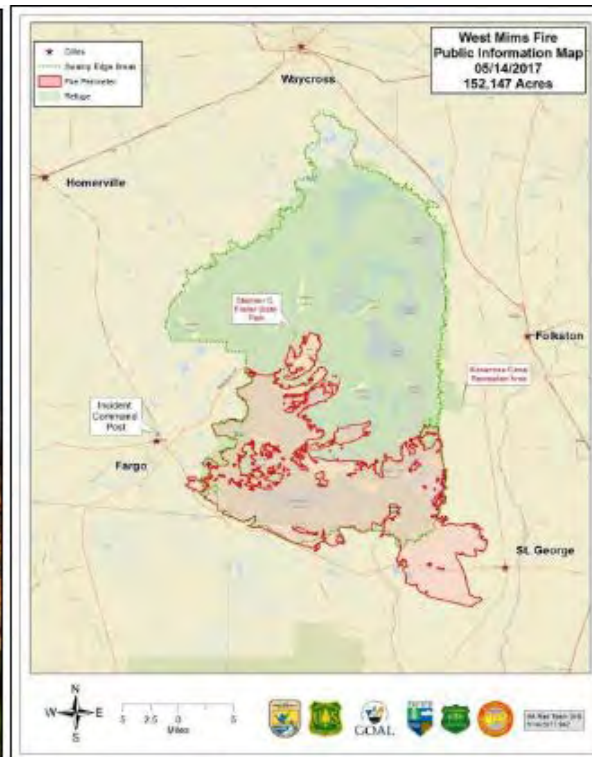
IGEMS Image

## Georgia Fires

### West Mims Fire



West Mims Fire Photo : Jim Pixley



Graphic: Southern Area Red Team GIS

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,147 (+8,074)
- Containment: 18-percent (+3)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 895 (+168) / 132 (+21)
- Structures Threatened-Single-Mixed Residential/Commercial: 800 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (+1) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior was observed during the reporting period. Rain on the afternoon and evening of May 13 considerably reduced fire activity. Heavy utilization of aircraft is needed to check fire spread towards communities, commercial value timber, and highway corridors. The Southern Area Red Team is coordinating with Florida and Georgia emergency management agencies on structure protection and evacuation needs for the southeastern portions of the fire. The fire is being managed under a 78-percent “Confine” and 22-percent “Full Suppression” strategy.

### **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – May 12, 2017*

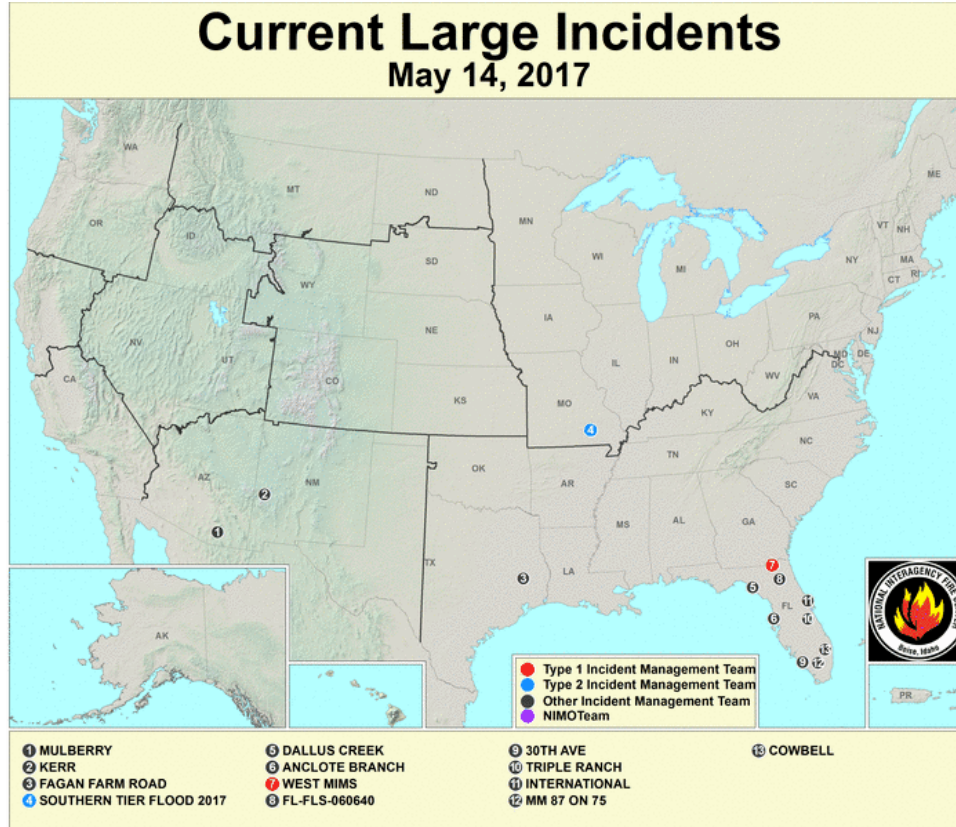
#### **National Preparedness Level 1**

#### **National Fire Activity (May 5 - May 11)**

Initial attack activity:	Light (677 new fires)
New large fires:	6
Large fires contained:	3
Uncontained large fires: **	7
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



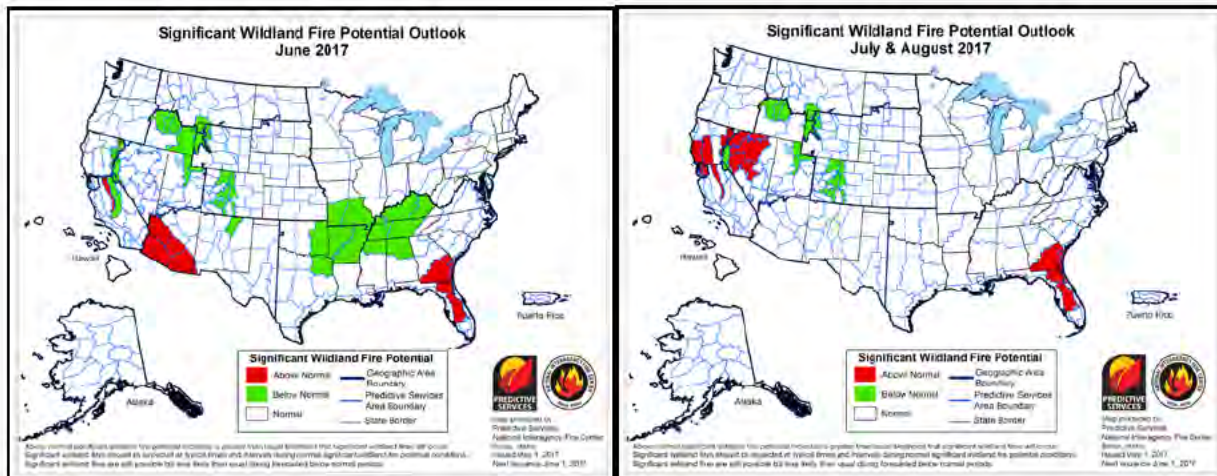
### National Wildland Fire Potential Outlook

Source: *Predictive Services, National Interagency Fire Center - May 1, 2017*

Florida and southeastern Georgia continue to experience significant fire activity as warmer and drier than normal conditions persist. Worsening drought conditions in these areas continue to lead to increased fire activity. The existing conditions and activity are expected to peak by early June before beginning to show improvement and subside as tropical patterns develop, bringing beneficial precipitation.

Wildfire activity across the southern Plains has begun to wane as the seasonal shift westward begins. “Greenup” is taking hold, and precipitation events have become more common across the central and northern Plains. Arizona and western New Mexico will see an increase in fire activity in May and June as the region enters the heart of its fire season. As the fire season progresses into July, there are concerns with the seasonal shift west and north into California and the Great Basin. In higher elevations, the mountain snowpack continues to melt at a normal to slower than normal rate. This should produce a delay in the onset of significant fire activity in higher elevations. In Alaska, the south-central portion of the state continues to be abnormally dry. While overall normal fire potential is forecast, bursts of more significant fire activity is possible across the interior portion of the state. By mid to late July, the western fire season will begin to progress north into the Pacific Northwest and northern Rockies.





NIFC Graphics

### **Jet Fuel Spill - Naval Air Station Oceana, Virginia Beach, Virginia**

**Source:** *DOI Office of Environmental Policy and Compliance, U.S. Navy - May 14, 2017*

On May 11, a jet fuel (JP5) spill was discovered at a fuel tank farm located within the boundaries of Naval Air Station Oceana in Virginia. The spill traveled through drainage ditches and made its way to Wolfsnare Creek. The Unified Command team of federal, state, and local partners continues to clean up the estimated 94,000 gallons of jet fuel at the facility and adjacent areas in Virginia Beach.

The Virginia Department of Environmental Quality On-scene Coordinator reports that the spill is contained. As cleanup efforts continue, the Virginia Department of Health has asked the public to avoid all recreational activities, including fishing and crabbing in portions of Wolfsnare Creek. Unified response teams continue to monitor water and air quality to ensure public safety during the cleanup. Wildlife experts are surveying the area to locate and assist impacted wildlife, while taking precautions to keep additional animals from entering the affected area. Several fish, birds, small mammals, reptiles, and amphibians have been reported as casualties of the spill.

The U.S. Navy is working with the U.S. Coast Guard, the City of Virginia Beach, the Virginia Department of Emergency Management, the Virginia Department of Environmental Quality, Virginia Beach Animal Control, U.S. Navy Natural Resources, Virginia Department of Game and Inland Fisheries, the U.S. Fish and Wildlife Service, the U.S. Department of Agriculture-Animal and Plant Health Inspection Service (APHIS), the Virginia Department of Health, Tri-State Bird Rescue & Research, Inc., and HEPACO (U.S. Navy contractor).

On-scene resources include four vacuum (vac) trucks with a 3,000 gallon capacity, five long vac-trucks with a 5,000-7,000 gallon capacity, five FRAC tanks with a 20,000 gallon capacity, 800 feet of hard boom, and an undetermined amount of sorbent boom. Approximately 81,000 gallons of an oil/water mixture have been recovered from the scene.



Photo: WTKR3

## **Volcano Activity**

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 14, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this observation period. One web camera view showed a “degassing” plume from the summit. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 14, 2017

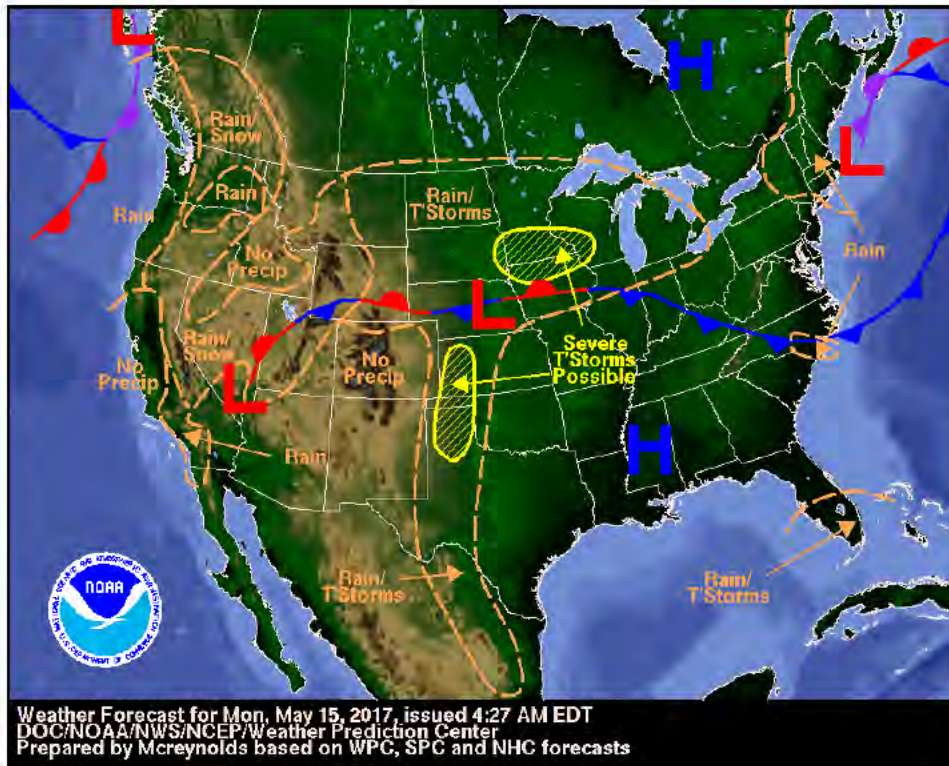
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u 'Ō'ō on the East Rift Zone. Summit deflation began late Saturday morning, and the summit lava lake level dropped with the deflation. The 61g lava flow continues to enter the ocean and form a lava delta at Kamokuna. Active surface flows appear to persist above and near the pali, southeast of Pu'u 'Ō'ō. These lava flows pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - May 15, 2017



### **Today:**

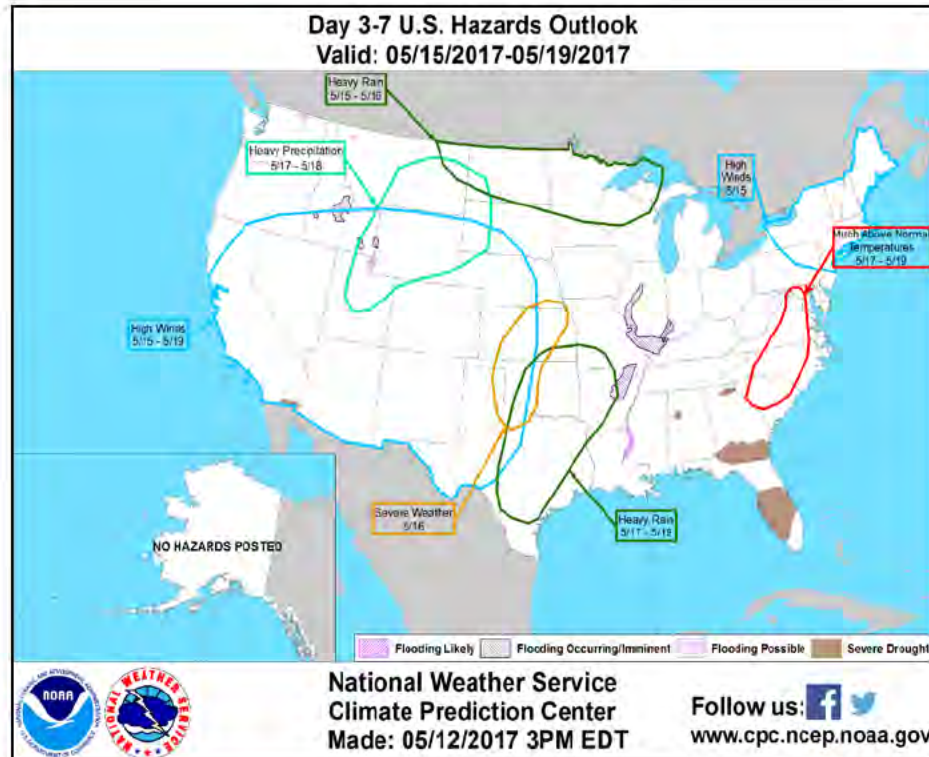
A low pressure system will bring scattered rain showers to much of New England today. Rain showers are also possible in southeastern North Carolina, and rain/thunderstorms will extend from western Texas into the central and northern Great Plains and the upper Midwest and Great Lakes. The greatest potential for severe storms will extend from western Kansas to the Texas Panhandle during the afternoon and evening hours and across portions of the middle and upper Mississippi valleys during the afternoon and overnight hours. Rain and snow are likely for the central Rockies, the Sierras, portions of the Cascades, and the British Columbian mountains. Rain is expected for the southern California coastal ranges, the central valleys of Oregon, Washington, and northern California.

### **Tomorrow:**

Rain showers will continue across portions of northern New England and southern Florida. Low pressure will push out of the Rockies and into the northern Great Plains. Rain and thunderstorms will extend from central Texas into the northern Great Plains, the upper Midwest, the Great Lakes, and the Northeast. Strong to severe thunderstorms will be possible across much of the southern and central Plains to the upper Midwest. Scattered showers and thunderstorms will develop across parts of the central and southern Appalachians. Rain will develop across the western parts of British Columbia, Washington, Oregon, and across portions of northern and

central California. Rain and snow will be possible across the Rockies, the Northwest, and the Great Basin. Showers and thunderstorms are possible for portions of the Four Corners region.

### Weather Hazard Assessment



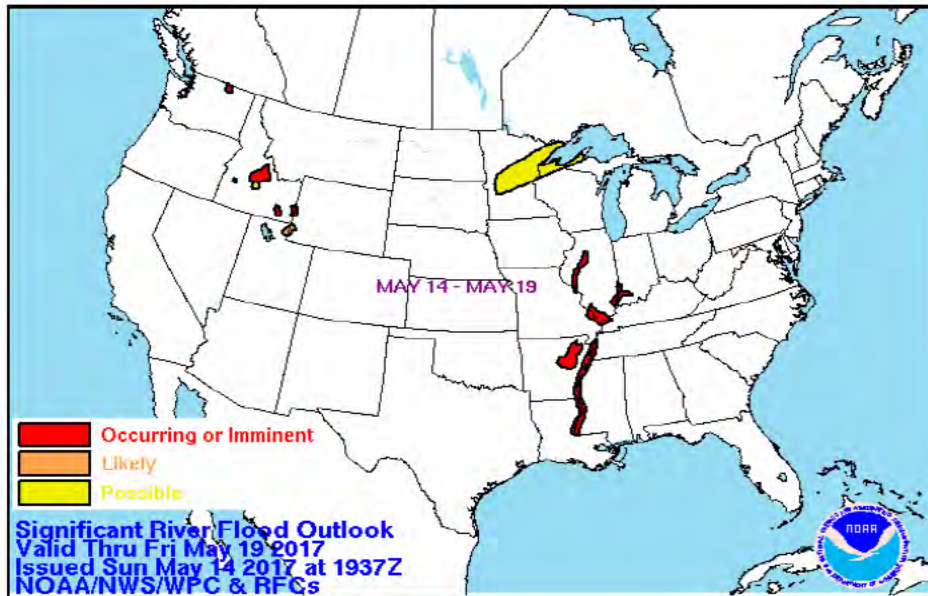
- May 15: Severe drought across the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.
- May 15: High winds across portions of the Great Lakes, the mid-Atlantic, and the Northeast.
- May 15-16: Heavy rain across portions of the Great Lakes, the upper Mississippi Valley, and the northern Plains.
- May 16: Severe weather across portions of the central Plains and the southern Plains.
- May 17-18: Heavy precipitation across portions of the central Plains, the central Great Basin, the northern Plains, the northern Rockies, the central Rockies, and the northern Great Basin.
- May 17-19: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- May 15-19: High winds across portions of the western half of the U.S.
- May 17-19: Much above normal temperatures across portions of the Southeast and the mid-Atlantic.

## Alaska Weather



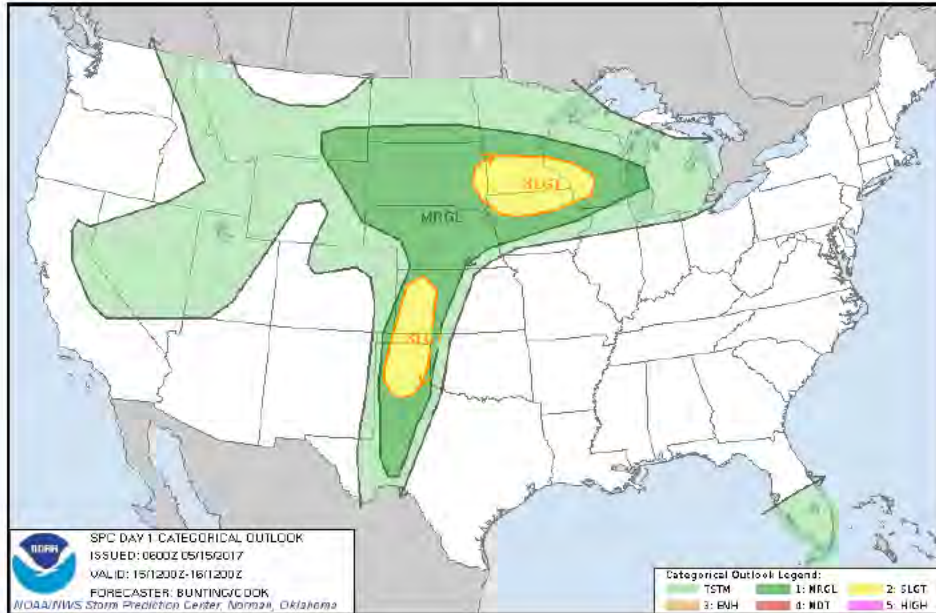
A Gale Warning is in effect for Bristol Bay. A Small Craft Advisory is in effect for most of the Aleutian Islands, the eastern and western Gulf of Alaska, the Pribilof Islands, St. Matthew Island, the Kuskokwim Delta, and the Etolin Strait.

## Significant River Flooding



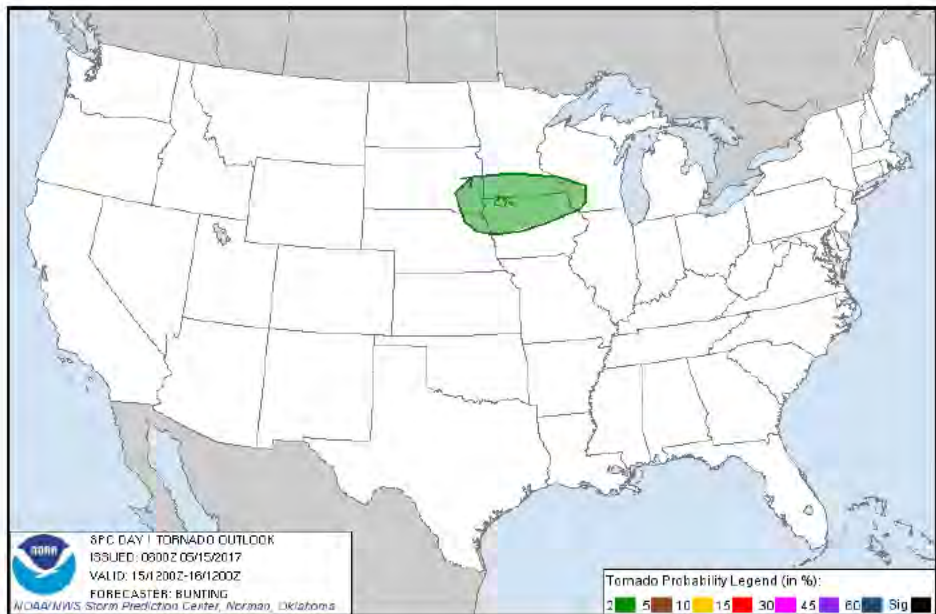
Flooding is occurring or imminent across portions of the lower Mississippi Valley, the northern Rockies, the central Rockies, the middle Mississippi Valley, the northern Great Basin, and the Ohio Valley. Flooding is likely or possible across portions of the central Great Basin and the upper Mississippi Valley.

## Severe Weather



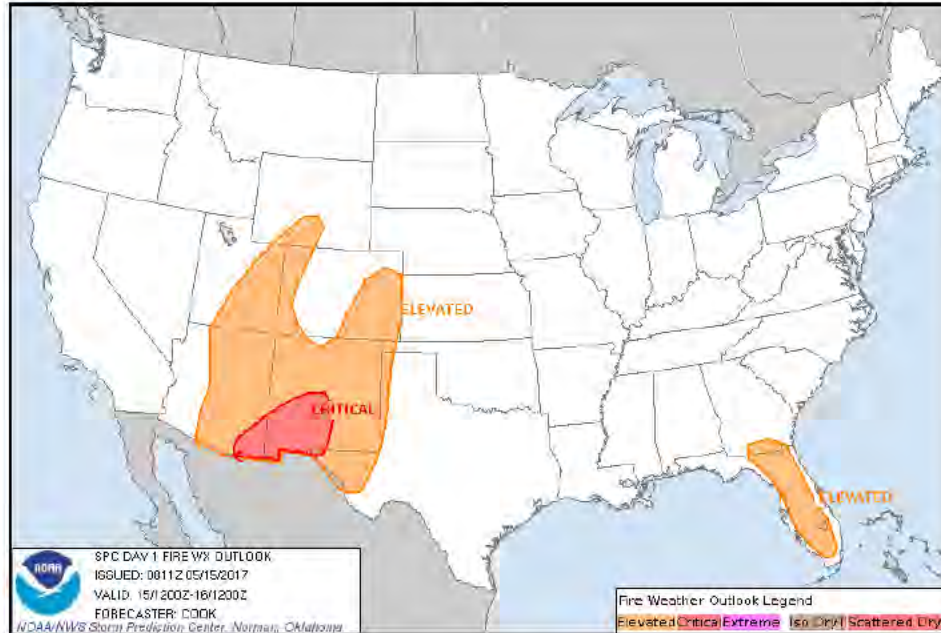
There is a Slight Risk of severe thunderstorm activity today over a portion of the northern Plains, the upper Mississippi River Valley, the Texas and Oklahoma panhandles, and western Kansas. There is a Marginal Risk of severe thunderstorms extending from the southern Plains to the northern Plains and upper Great Lakes.

## Tornado Weather



There is a 2-percent chance of tornado activity today across portions of the upper Midwest and middle Mississippi Valley.

## Fire Weather



Critical Fire Weather is forecast today for portions of central and southwestern New Mexico, western Texas, and southeastern Arizona. Elevated Fire Weather is forecast for portions of Arizona, New Mexico, western and northern Texas, western Oklahoma, Colorado, Utah, south-central Wyoming, Florida, and southern Georgia.

## Other News and Notes

### **‘WannaCry’ Global Cyber Attack**

*Source: Department of Homeland Security - May 12, 2017*

The U.S. Department of Homeland Security is aware of reports of ransomware, known as *WannaCry*, affecting multiple global entities. Ransomware is a type of malicious software that infects a computer and restricts users’ access to it until a ransom is paid to unlock it. Microsoft released a patch in March that addresses this specific vulnerability, and installing this patch will help secure your systems from the threat. Individual users are often the first line of defense against this and other threats. All Americans are encouraged to update their operating systems and implement vigorous cybersecurity practices at home, work, and school. These practices include:

- Updating your systems (to include the latest patches and software updates).
- Do not click on or download unfamiliar links or files in emails.
- Backup your data to prevent possible loss, whether you are at a home, work, or school computer.

## **Minnesota Measles Outbreak**

Source: Minnesota Department of Health, Centers for Disease Control and Prevention - May 4, 2017

The Minnesota Department of Health (MDH) is reporting 41 confirmed cases of measles in Hennepin, Ramsey, and Crow Wing counties, with more cases likely in the current outbreak. State health officials recommend vaccinations in an effort to curb the spread of the disease. Measles is a serious disease that can lead to hospitalization and even death. It spreads very easily among unvaccinated people. The MDH has made the following recommendations to protect children and adults during outbreaks:

- All children 12 months and older who have not received a measles, mumps, and rubella (MMR) vaccine should get the first dose as soon as possible.
- Adults born in 1957 or later who have never received the MMR vaccine and have never had measles should get the vaccine as soon as possible.

From January 1 to April 22, 2017, 61 people from 10 states (California, Florida, Michigan, Minnesota, Nebraska, New Jersey, New York, Pennsylvania, Utah, and Washington) were reported to have measles. The Minnesota outbreak was first noticed in a population of Somali children in the Minneapolis and St. Paul area.

## **Guam Industrial Fire**

Source: Office of the Governor of Guam, Guam Homeland Security - May 14, 2017



Photo KUAM News

On May 13, a large fire started in the Harmon Industrial Park on Guam, and the fire was extinguished on the evening on May 14. More than 60 local and federal firefighters responded. On May 14, the Governor of Guam issued an Executive Order declaring an emergency as firefighters continued suppression efforts exceeding fifteen hours. The Governor authorized a release of \$250,000 for the Guam Fire Department, the Department of Public Works, the Office



of Civil Defense, and other agencies for costs associated with the response efforts. The fire resulted in temporary evacuations, and residents were advised to be aware of low visibility and respiratory distress.

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, May 16, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - May 16, 2017](#)*

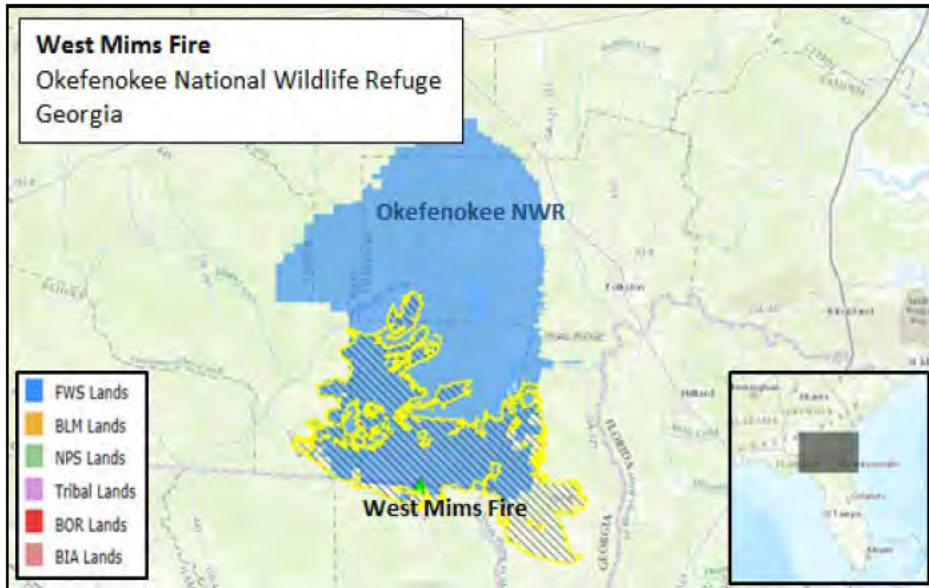
The Cowbell Fire, which is burning in Florida, has not been updated since May 11 and will not be summarized in today's report.

## Georgia Fires

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,147 (no change)
- Containment: 18-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 944 (+49) / 152 (+20)
- Structures Threatened-Single-Mixed Residential/Commercial: 800 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (+1) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior occurred during this reporting period due to a high level of moisture in the fuels. In some locations, the fire was observed to be “smoldering and creeping” within the heavy fuels and dozer berms. High pressure will continue to build in the area over the next several days, and this will result in dry conditions for much of the week. Portions of the Okefenokee National Wildlife Refuge remain restricted from public use. The fire is being managed under a 78-percent “Confine” and 22-percent “Full Suppression” strategy.



IGEMS Image

## Texas Fires

### Crown Mountain Fire (Initial Report)



IGEMS Image

- Start Date: May 14
- Location: Big Bend National Park, TX (NPS)
- Burned Acres: 1,041
- Containment: 60-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 156 / 36
- Structures Threatened-Single-Mixed Residential/Commercial: 20 / 10
- Evacuations / Sheltered in place: 300 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: May 22

Comments: Moderate fire behavior was observed during this reporting period, and the National Park Service (NPS) has closed some campgrounds and trails within the Big Bend National Park due to the fire activity. Although not currently threatened by the fire, the Chisos Basin Campground has been evacuated so fire crews and equipment can stage there. The Chisos Mountains Lodge and restaurant have been closed as a precaution. The campgrounds and trails are expected to reopen on May 17, and a demobilization of assets is scheduled to begin on May 18.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this observation period. The volcano is being monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kilauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u 'Ō'ō on the East Rift Zone. On Monday morning, the summit lava lake was observed to be 92 feet below the floor of the Halema'uma'u Crater. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above the pali, to the southeast of Pu'u 'Ō'ō, and these flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

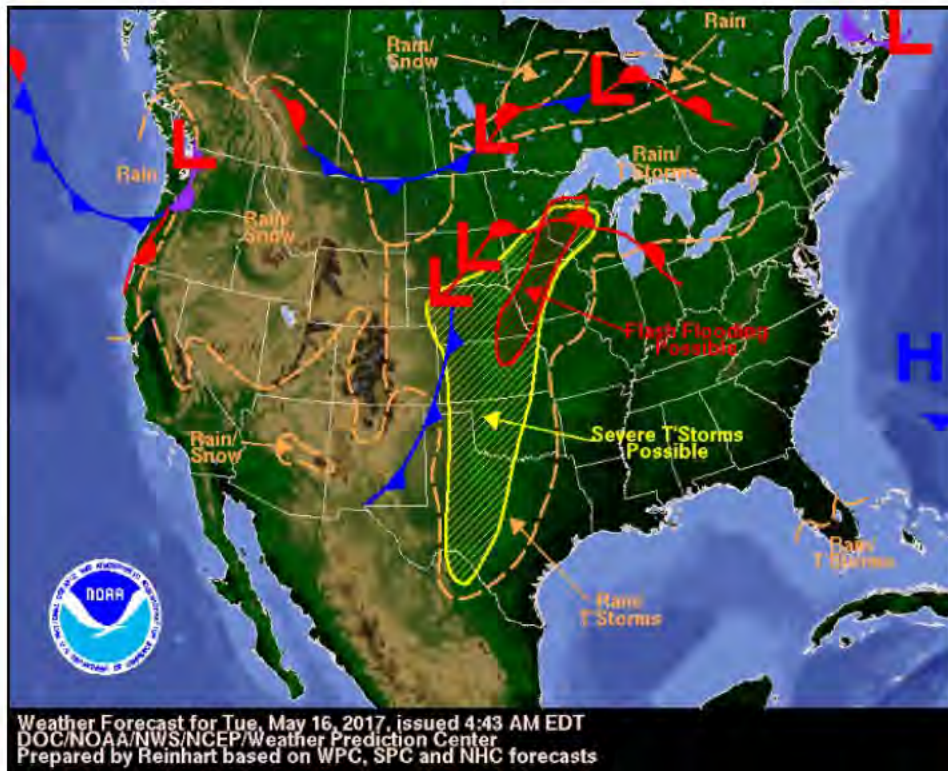
## Earthquake Activity

Source: U.S. Geological Survey – May 15, 2017

The United States Geological Survey (USGS) reported that a magnitude 6.2 earthquake occurred on May 15 at 9:22 a.m. EDT, approximately 25 miles to the east-northeast of Rabaul, Papua New Guinea at a depth of 6 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for damages and injuries. No tsunami was generated.

## Significant National Weather

Source: National Weather Service - May 16, 2017



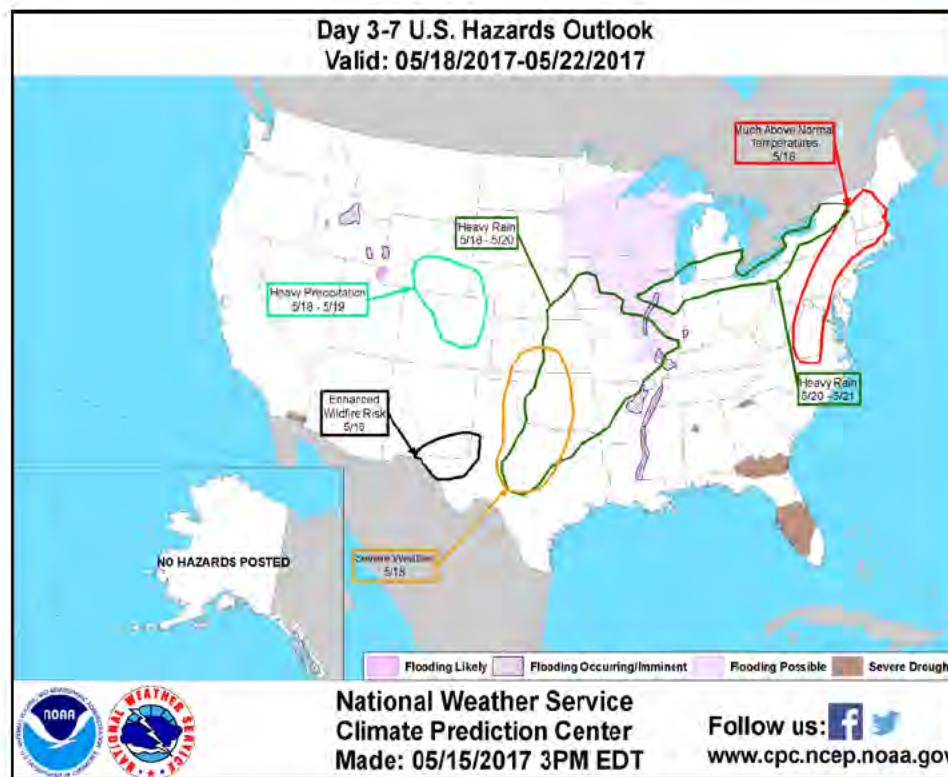
### **Today:**

Rain and thunderstorms will develop today from Texas to the northern Great Plains, the upper Midwest, and the Great Lakes. Rain and thunderstorms are also possible in the Northeast. Severe thunderstorms are expected from the southern Great Plains to the upper Mississippi Valley, with the greatest severe weather threat from southwestern Kansas into western Oklahoma and the eastern Texas Panhandle. Damaging winds, hail, and tornadoes are likely with these storms. Heavy rain, which could produce localized areas of flooding and flash flooding, is forecast from northeastern Kansas to northern Wisconsin. A few scattered showers and thunderstorms are possible across southern Florida. Rain will develop today along the West Coast from British Columbia to central California. Widespread rain and snow are expected across the interior Northwest, the Rockies and the northern Great Basin. Rain and snow will be possible for the mountains of central Arizona.

## Tomorrow:

Rain and thunderstorms will develop from eastern Texas to the Great Lakes and into the central Plains. Some strong to severe thunderstorms will be possible from parts of the middle Missouri Valley to the upper Mississippi Valley. Heavy rain, along with possible flash flooding, is forecast for portions of the upper Midwest and the western Great Lakes. Scattered showers and thunderstorms will be possible for the central Appalachians, southern Florida, and the central Gulf Coast region. Rain will continue for the coastal regions of Washington and northern Oregon. Rain and snow are likely for the Cascades and the southern Sierras. Scattered rain and snow are expected for the Rockies, the northern Four Corners area, the northern Great Basin, and the Intermountain Northwest.

## Weather Hazard Assessment



- May 16: Severe drought across the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.
- May 16: Flooding is occurring or imminent across portions of the middle and lower Mississippi valleys, the Great Basin, the northern and central Rockies, the Great Lakes, and the Ohio Valley. Flooding is likely across portions of the central Great Basin. Flooding is possible across portions of the upper and middle Mississippi valleys, the Great Lakes, the northern Plains, and the Ohio Valley.
- May 18: Enhanced wildfire risk across portions of the southern Plains.
- May 18: Severe weather across portions of the central and southern Plains.

- May 18: Much above-normal temperatures across portions of the central and southern Appalachians, the mid-Atlantic, and the Northeast.
- May 18-19: Heavy precipitation across portions of the central Rockies and the central Plains.
- May 18-20: Heavy rain across portions of the central and southern Plains and the middle and lower Mississippi valleys.
- May 20-21: Heavy rain across portions of the Midwest and the Northeast.
- May 23-24: Moderate risk of much above-normal temperatures for portions of Washington.
- May 23-25: Slight risk of much above-normal temperatures for portions of the Pacific Northwest and the northern Great Basin.

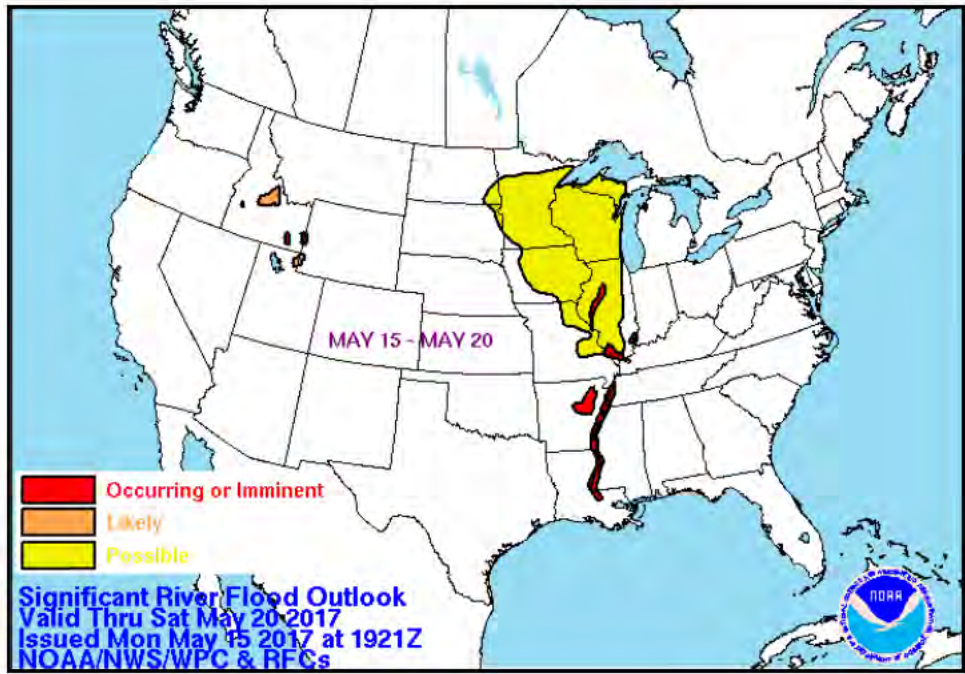
## Alaska Weather



A Gale Warning is in effect today for the Bristol Bay. A Small Craft Advisory is in effect for the Aleutian Islands, the western Gulf of Alaska, the Shelikof Strait, the Kuskokwim Delta, the Etolin Strait, Nunivak Island, St. Matthew Island, and from Dixon Entrance to Cape Decision.

## Significant River Flooding

River flooding is occurring or likely today in portions of Idaho, northern Utah, southwestern Wyoming, the middle and lower Mississippi valleys, and the Ohio Valley. River flooding is possible across Minnesota, Wisconsin, Iowa, Illinois, the upper Michigan Peninsula, southeastern North Dakota, northeastern South Dakota, and eastern Missouri.



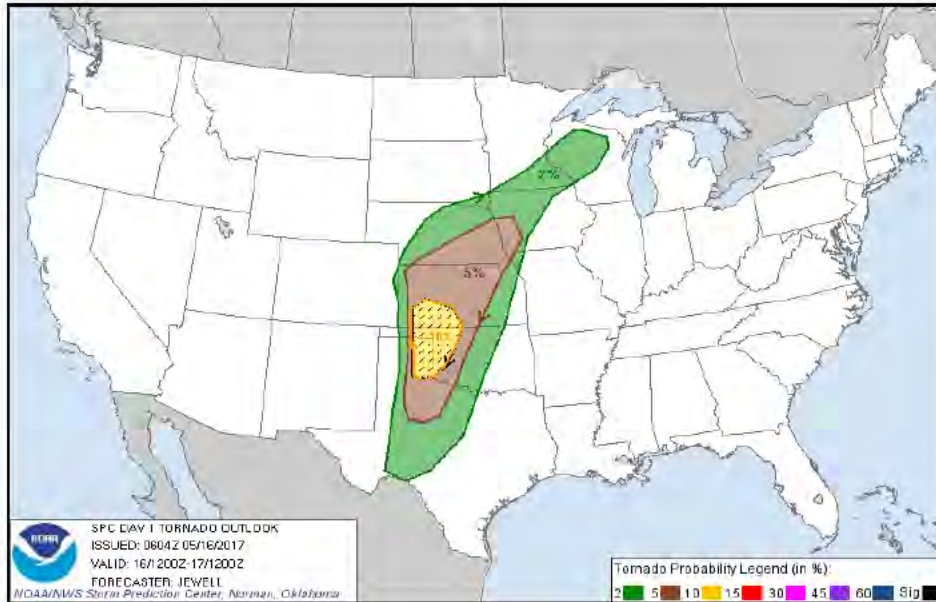
**Severe Weather**



There is an Enhanced Risk of severe thunderstorm activity today in western Iowa, northwestern Missouri, eastern Nebraska, Kansas, western Oklahoma, and northern/central Texas. A Slight Risk of severe thunderstorms exists throughout the Plains, extending from the middle Rio Grande Valley into Wisconsin. There is a Marginal Risk of severe thunderstorms from southern Texas to the upper Michigan Peninsula.

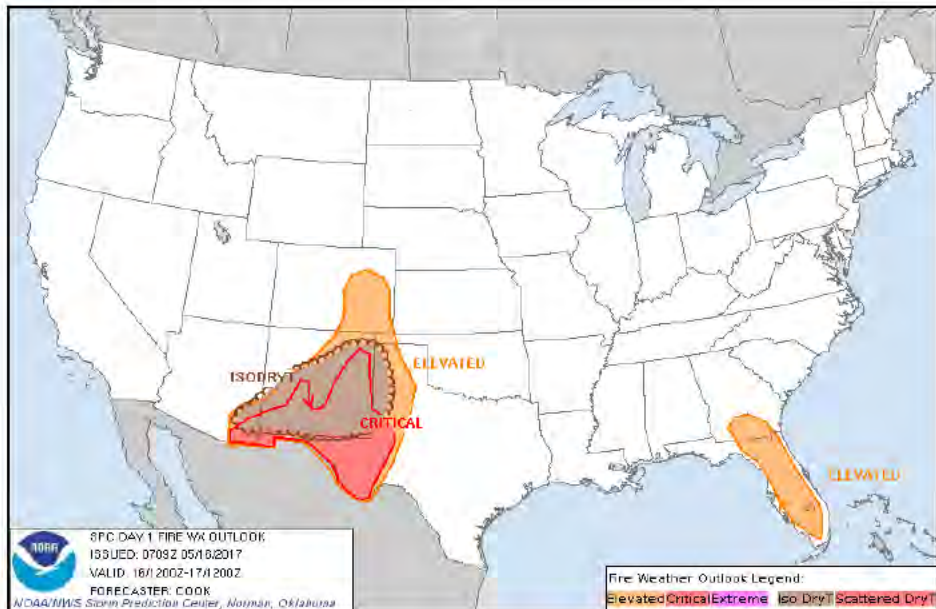


## Tornado Weather



There is a 10-percent chance of tornado activity today in southern Kansas and across the panhandles of Oklahoma and Texas. A 5-percent chance of tornado activity exists from northern Texas to southwestern Iowa, and a 2-percent chance of tornado activity extends from southern Texas to northern Wisconsin.

## Fire Weather



Critical Fire Weather is forecast today for portions of southeastern Arizona, New Mexico, and western Texas. Elevated Fire Weather is forecast for eastern Colorado, the Texas Panhandle, western Texas, New Mexico, southeastern Arizona, Florida, and southern Georgia. There is a possibility of Isolated Dry Thunderstorms from northwestern Texas to southeastern Arizona.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, May 17, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 17, 2017*

Wildland fire activity is increasing, and large fires are occurring in the Southern and Southwest Geographic Areas. As a result of the increase in fire activity, the National Preparedness Level was elevated from Preparedness Level (PL)1 to PL2 yesterday.

At PL2, significant wildland fire activity is increasing in a few geographic areas. Resources within most areas are adequate to manage the current situation, with light to moderate mobilization of resources occurring through the National Interagency Coordination Center (NICC). The potential for emerging significant wildland fires is normal to below normal for the time of year.

The **Cowbell Fire**, which is burning in Florida, has not been updated since May 11 and will not be summarized in today's report.

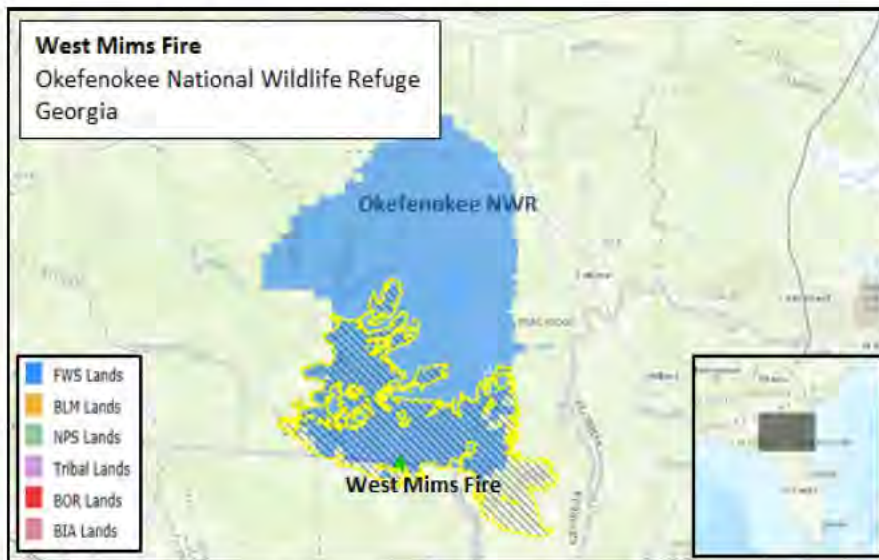
## Georgia Fires

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)

- Burned Acres: 152,231 (+84)
- Containment: 23-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 971 (+27) / 154 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 800 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior occurred during this reporting period. In general, fire activity was quiet yesterday. Areas of smoldering and creeping were found in heavy fuels and along dozer berms. There remains a high potential for initial attack from lightning activity. The fire is being managed under a 78-percent “Confine” and 22-percent “Full Suppression” strategy.



IGEMS Image

## Texas Fires

### **Crown Mountain Fire**

- Start Date: May 14
- Location: Big Bend National Park, TX (NPS)
- Burned Acres: 1,041 (no change)
- Containment: 80-percent (+20- percent)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 162 (+6) / 36 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 20 (no change) / 10 (no change)
- Evacuations / Sheltered in place: 300 (no change) / 0 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: May 22

Comments: Minimal fire behavior was observed during this reporting period. The fire has shown a decrease in activity; however, nearby Juniper Canyon trail as well as the Juniper Canyon and Pine Canyon roads and associated primitive campsites remain closed. The Panther Junction Visitor Center will be open during normal business hours, and will offer regular services as well as updated information. Many services will also be available in the Chisos Mountains, including the lodge, restaurant, the Lost Mine, and the Window and South Rim trails. The Chisos Basin Campground will remain closed until Thursday as firefighters demobilize.



IGEMS Image

### **Jet Fuel Spill - Naval Air Station Oceana, Virginia Beach, Virginia**

**Source: DOI Office of Environmental Policy and Compliance, U.S. Navy - May 16, 2017**

On May 11, the Naval Air Station Oceana (near Norfolk, Virginia) experienced a discharge of approximately 94,000 gallons of fuel from their fuel farm. The fuel flowed westward through a farm field ditch line to London Bridge Road, and then in a northerly direction in a storm water ditch along the east side of London Bridge Road. The cause for the spill has not been determined.

Two underflow dams were constructed along the storm drain ditch along London Bridge Road. Additional sorbent booms have been placed in the storm drainage ditch and in London Bridge Creek. Oil is being recovered via vacuum truck and skimmer, and is being transported and offloaded to a series of fractionation tanks located on the Air Station. Approximately 150,000 gallons of oil and water have been recovered as of this report.

There have been approximately 200 animal mortalities reported. This number consists of mostly fish. The Wildlife Management Branch is currently being staffed by Tri-State Bird Rescue, Navy Wildlife Management, and the U.S. Department of Agriculture Wildlife Services.



Virginia Department of Environmental Quality Image

## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 17, 2017*

**Alert Level = WARNING**

**Color Code = RED**

Following the explosive eruption at Bogoslof Volcano that occurred this morning at 2:32 a.m. EDT and lasted about 73 minutes, seismicity and infrasound as detected on neighboring islands has been quiet. The eruption produced an ash cloud that moved southwest along the edge of a mass of weather clouds as seen in satellite images.

Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. Low-level explosive activity that is below the ability to detect in data sources may be occurring. These low-level explosions could pose a hazard in the immediate vicinity of the volcano.

The National Weather Service (NWS) has issued a Marine Weather Statement indicating trace amounts (less than 1 mm) of ashfall are possible in the region from Cape Sarichef to Nikolski. Due to this activity, the AVO has raised the Aviation Color Code for Bogoslof to RED and the Volcano Alert Level to WARNING.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 17, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

A small explosion that was detected by seismic and infrasound sensors occurred last night at 11:17 p.m. EDT. Satellite views and pilot reports gave no evidence of an ash plume above the weather cloud tops at 10,000 feet above sea level.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 16, 2017

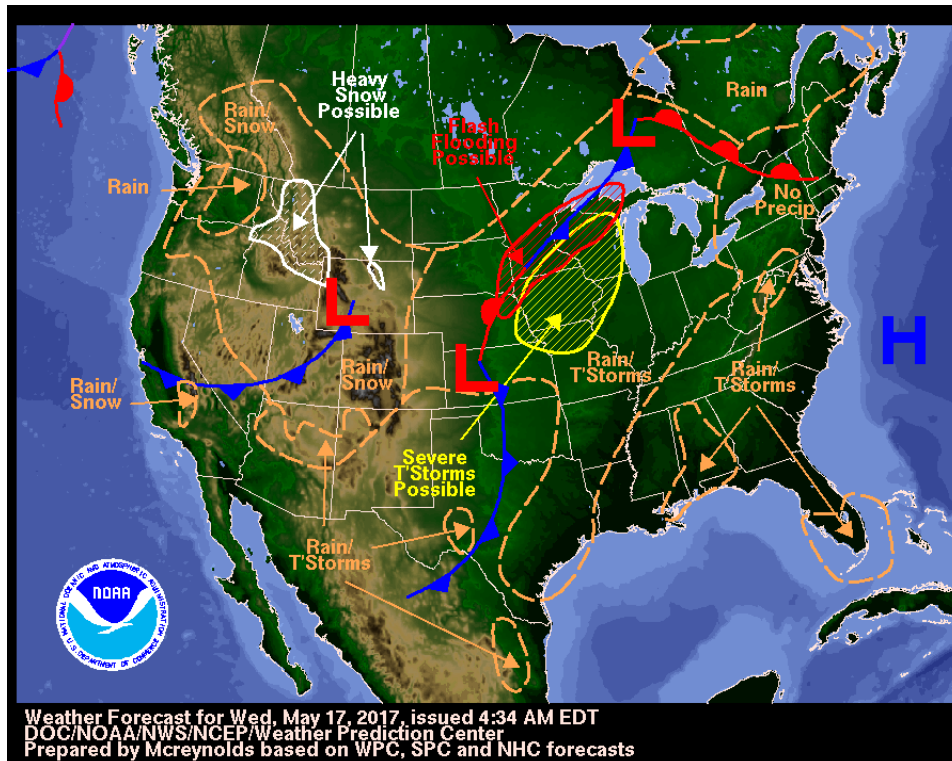
**Alert Level = WATCH**

**Color Code = ORANGE**

There was no significant change during the reporting period. Kīlauea Volcano continues to erupt at its summit in Halema‘uma‘u and at Pu‘u ‘Ō‘ō on the East Rift Zone. On Tuesday morning, the summit lava lake was 56 feet below the floor of Halema‘uma‘u. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above the pali southeast of Pu‘u ‘Ō‘ō. These pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - May 17, 2017



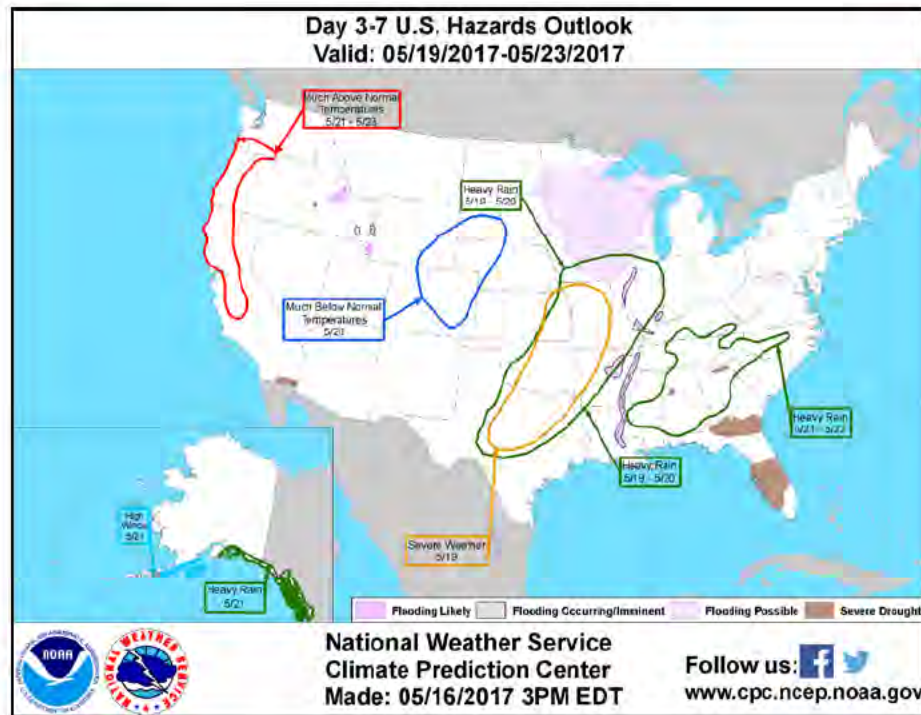
## Today:

Widespread rain and thunderstorms are expected east of the Mississippi River into parts of Appalachians. There is a slight chance of severe thunderstorms from northeastern Kansas to Lake Michigan. Heavy rain and flash flooding is very possible from Nebraska to the upper peninsula of Michigan. A Pacific storm will bring unseasonably cool temperatures and late spring snowfall to the Northwest. Heavy snow accumulations of up to 1-2 feet will be possible over the higher elevations of Wyoming, Idaho, and Montana. Snow could lead to icy highways and fallen power lines.

## Tomorrow:

Rain and thunderstorms will stretch from the Canadian Maritimes to the Great Lakes south into Texas and the central Gulf Coastal region. They will also impact areas eastward into the Appalachians and the deep South. Severe thunderstorms are expected across most of Kansas into the southern Plains Thursday afternoon into the overnight hours. All severe hazards will be possible, including very large hail, damaging winds, and a few tornadoes. Heavy rain associated with thunderstorms is very possible across eastern Kansas with flash flooding in some areas. Showers and thunderstorms will continue across portions of southern Florida. Elsewhere, rain and snow is expected for the Rockies, parts of the Great Basin, and the Four Corners. Snow could be heavy over higher elevations of the central Rockies of Colorado and Wyoming. Rain is possible across portions of Idaho and Washington, while California and Oregon will be dry.

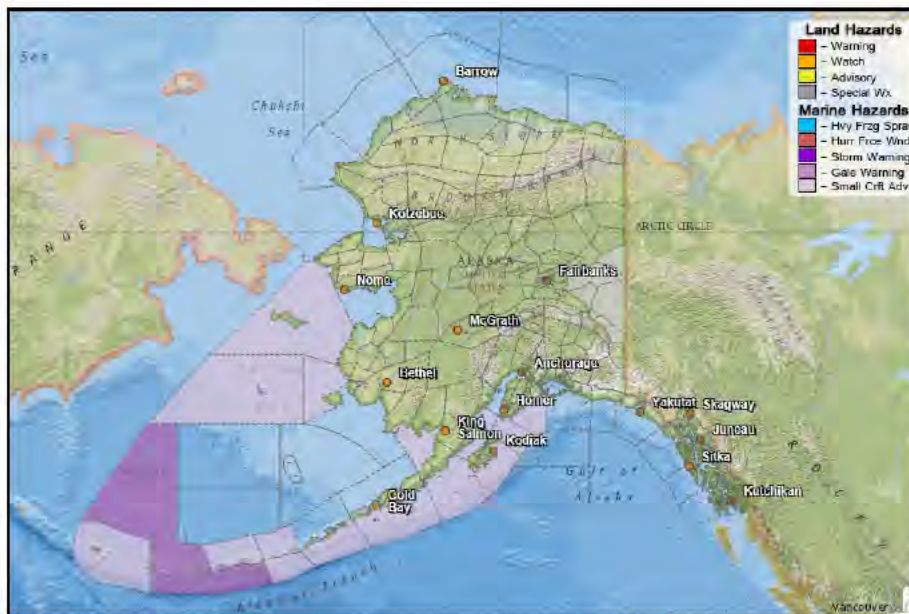
## Weather Hazard Assessment





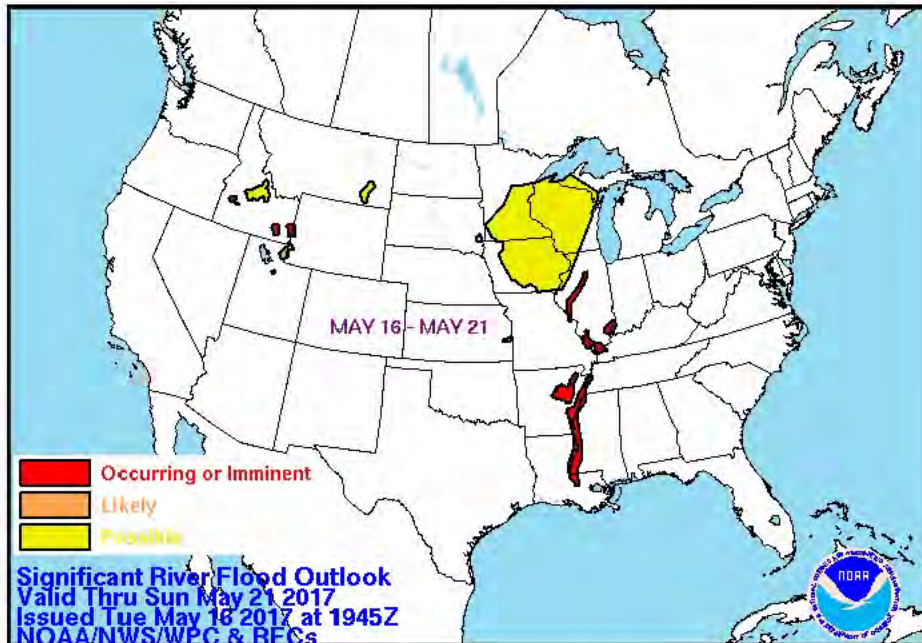
- May 17: Severe Drought across the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.
- May 19: Severe weather across portions of the central and southern Plains, and the middle and lower Mississippi valleys.
- May 19-20: Heavy rain across portions of the central and southern Plains, the Mississippi Valley, the Great Lakes, and the Ohio Valley.
- May 20: Much below normal temperatures across portions of the central Rockies and the central and northern Plains.
- May 21: Heavy rain and high winds across portions of the Alaska Panhandle and southeastern mainland Alaska.
- May 21-22: Heavy rain across portions of the lower Mississippi Valley, the Ohio and Tennessee valleys, the southern Appalachians, and the Southeast.
- May 21-23: Much above normal temperatures across portions of California, the Pacific Northwest, and the northern Great Basin.

## Alaska Weather



A Gale Warning is in effect in the western Bering Sea and along the Aleutian Islands from Kiska to Seguam. A Small Craft Advisory is in effect for the waters off of St. Lawrence Island, St. Matthew Island, Nunivak Island, the Aleutian Islands from Attu to Kiska, from Adak to Nikolski on the Bering Sea side, the coastal waters of the North Pacific Ocean, and the Gulf of Alaska from Seguam to Prince William Sound.

## Significant River Flooding



River flooding is occurring or likely today in portions of Idaho, northern Utah, southwestern Wyoming, the middle and lower Mississippi valleys, and the Ohio Valley. River flooding is possible across Minnesota, Wisconsin, Iowa, Illinois, and eastern Missouri.

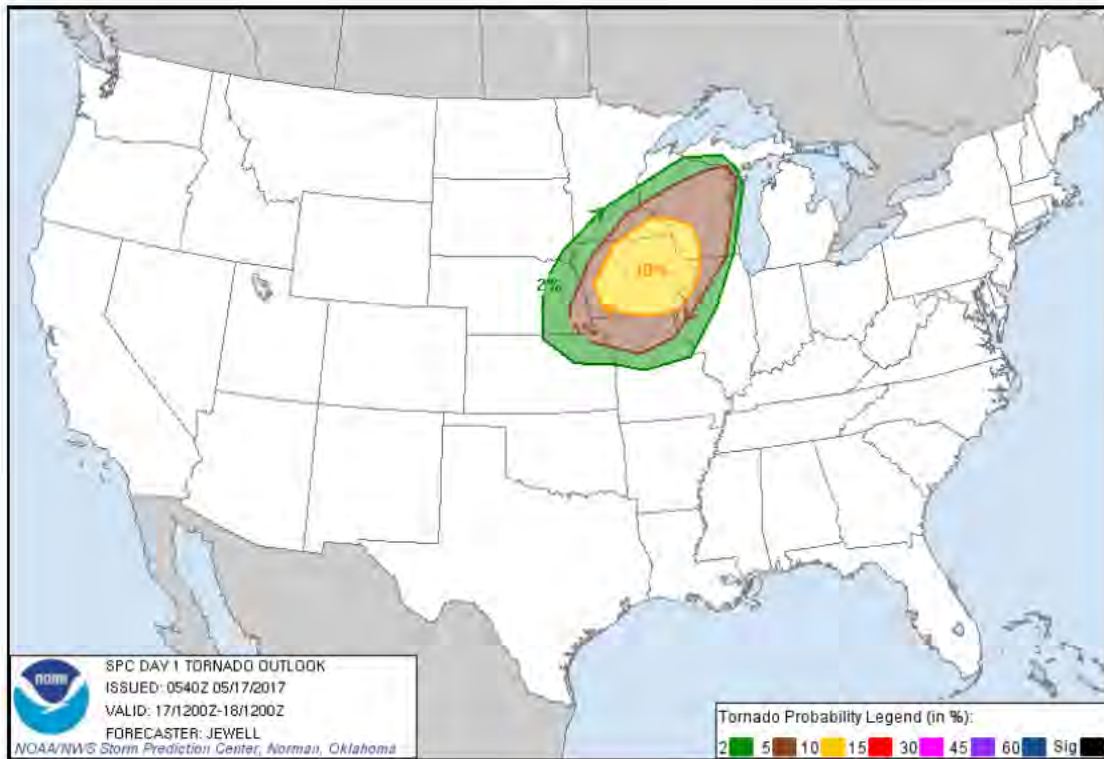
## Severe Weather



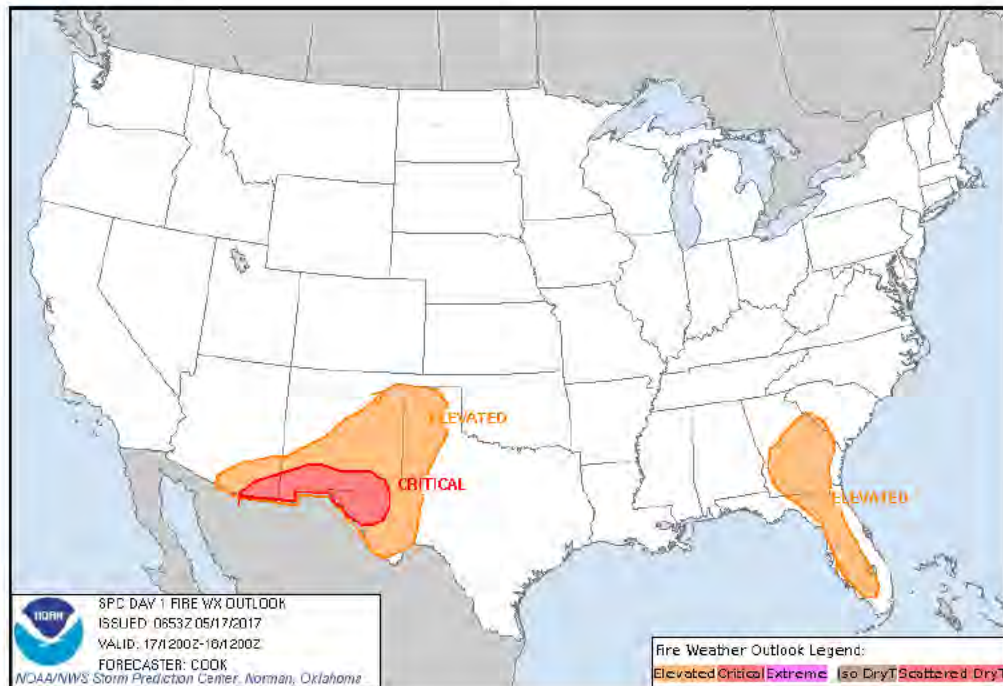
There is an Enhanced Risk of severe thunderstorm activity today across much of Iowa, and spreading through southeastern Minnesota and southwestern Wisconsin. A Slight Risk of severe thunderstorms exists from eastern Nebraska and northeastern Kansas, across Iowa, and into Wisconsin and northwestern Illinois. There is a Marginal Risk of severe thunderstorms over most of the mid-Missouri Valley into the middle and upper Mississippi valleys.

### Tornado Weather

There is a 10-percent chance of tornado activity today over most of Iowa, as well as for southeastern Minnesota and southwestern Wisconsin. A five-percent chance of tornado activity stretches over most of Wisconsin, eastern Nebraska, northern Missouri, and northwestern Illinois. A two-percent chance of tornado activity brushes the upper peninsula of Michigan, Wisconsin, eastern Nebraska, northern Missouri, and western Illinois.



## Fire Weather



Critical Fire Weather is forecast today for portions of southeastern Arizona, New Mexico, and western Texas. Elevated Fire Weather is forecast for the Texas Panhandle and west Texas, New Mexico, southeastern Arizona, Florida, and Georgia.

## Other News and Notes

### **National Terrorism Advisory System**

Source: *U.S. Department of Homeland Security - May 16, 2017*

The Department of Homeland Security issued a National Terrorism Advisory Bulletin which will remain in effect until November 15, 2017. The Bulletin describes current developments or general trends regarding threats of terrorism, and is the lowest of the three types of Advisories below Elevated Alert and Imminent Alert.

The current Advisory is intended to highlight the continuing threat from homegrown terrorists, many of whom are inspired online to violence by foreign terrorist organizations. The United States is engaged in a generational fight against terrorists, who seek to attack the American people, our country, and our way of life. An informed, vigilant, and engaged public remains one of our greatest assets to identify potential homegrown terrorists and prevent attacks. This marks the fourth iteration of the Bulletin on the homegrown threat.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, May 18, 2017

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## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 18, 2017*

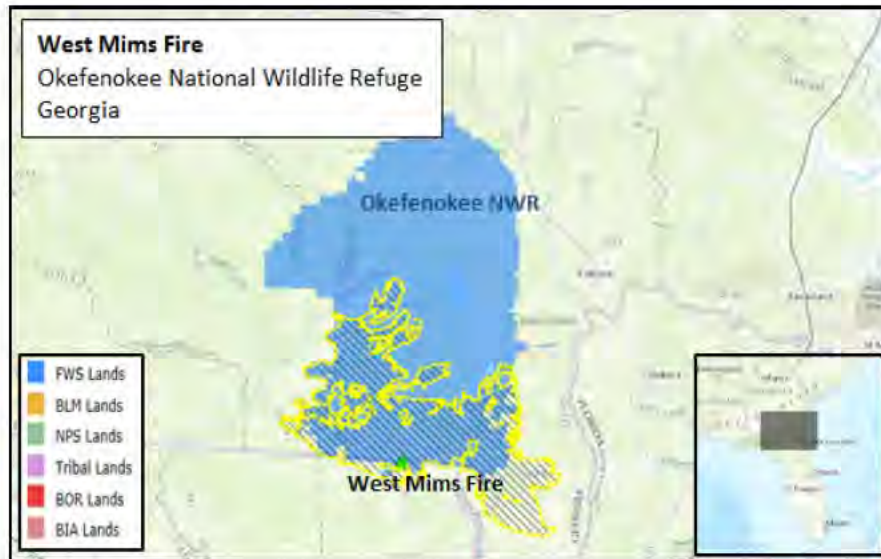
## Georgia Fires

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,231 (no change)
- Containment: 31-percent (+8)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1050 (+79) / 179 (+25)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (-480) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior occurred during this reporting period. Fire is creeping and smoldering, and there remains a high potential for initial attack from lightning activity. Some

precipitation is possible; however, if no precipitation is received, the potential for large fire growth will increase. The fire is being managed under a 78-percent “Confine” and 22-percent “Full Suppression” strategy.



IGEMS Image

## Texas Fires

### **Crown Mountain Fire**

- Start Date: May 14
- Location: Big Bend National Park, TX (NPS)
- Burned Acres: 944 (-97)
- Containment: 89-percent (+9)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 81 (-81) / 16 (-20)
- Structures Threatened-Single-Mixed Residential/Commercial: 20 (no change) / 10 (no change)
- Evacuations / Sheltered in place: 300 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: May 22

Comments: Minimal fire behavior was observed during this reporting period. Crews continue to demobilize and the incident command is transferring back to Big Bend National Park Type 4 team.



IGEMS Image

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

An increase in seismicity at Bogoslof was detected Tuesday night at stations on Unalaska and Umnak Islands. As a result, the AVO increased the Aviation Color Code/Alert Level to ORANGE/WATCH. Immediately thereafter, pilot reports of an ash cloud to 36,000 feet above sea level, prompted an increase in the Aviation Color Code/Alert Level to RED/WARNING. The increase in seismic energy lasted 73 minutes. The eruption triggered 56 lightning detections, and infrasound signals were detected on Umnak Island and Dillingham. The resulting plume drifted to the southwest, and was observed in satellite imagery. Trace ashfall was reported and confirmed in the community of Nikolski on Umnak Island. Following the eruption, seismic amplitudes decreased significantly. As a result, the AVO decreased the Aviation Color Code/Alert Level back to ORANGE/WATCH.

Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Activity may ramp back up with additional explosions producing high-altitude (>15,000 ft) volcanic clouds with little precursory activity. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. It is possible for low-level unrest, including explosive activity, to occur that is undetectable with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano.



## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 17, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

A small explosion that was detected by seismic and infrasound sensors occurred last night at 9:38 p.m. EDT. The increase in seismicity lasted about 10 minutes, and the ash cloud was observed in satellite data drifting to the southwest for approximately 5 hours. The dome at the summit of the volcano that was emplaced from April through May 2017 was completely removed by this explosion.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 17, 2017

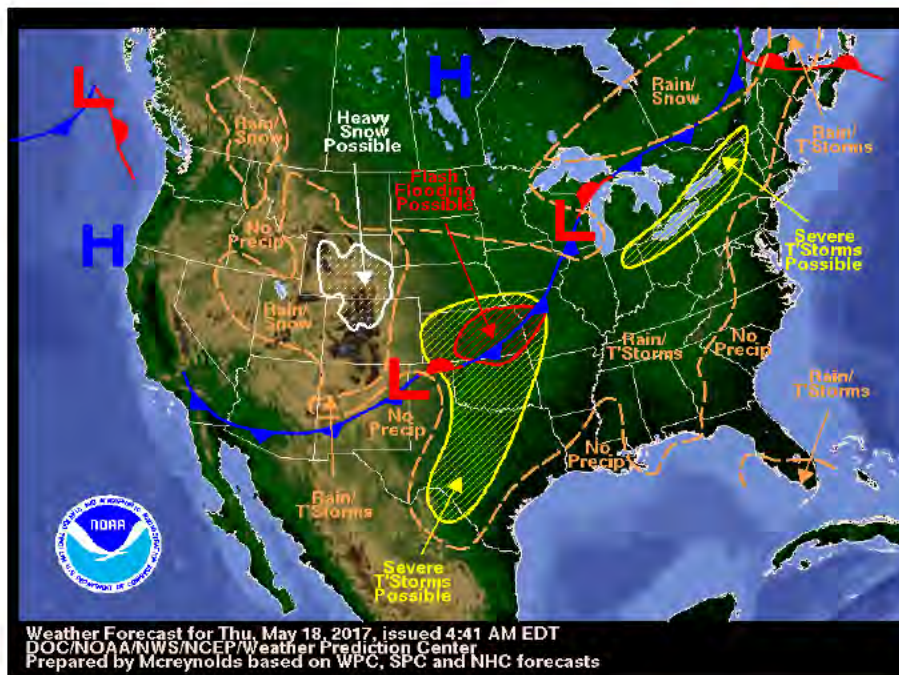
**Alert Level = WATCH**

**Color Code = ORANGE**

No significant change. Kilauea Volcano continues to erupt at its summit in Halema'uma'u and at Pu'u 'Ō'ō on the East Rift Zone. On Wednesday morning, the summit lava lake was about 49 feet below the floor of Halema'uma'u. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above the pali southeast of Pu'u 'Ō'ō. These pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - May 18, 2017



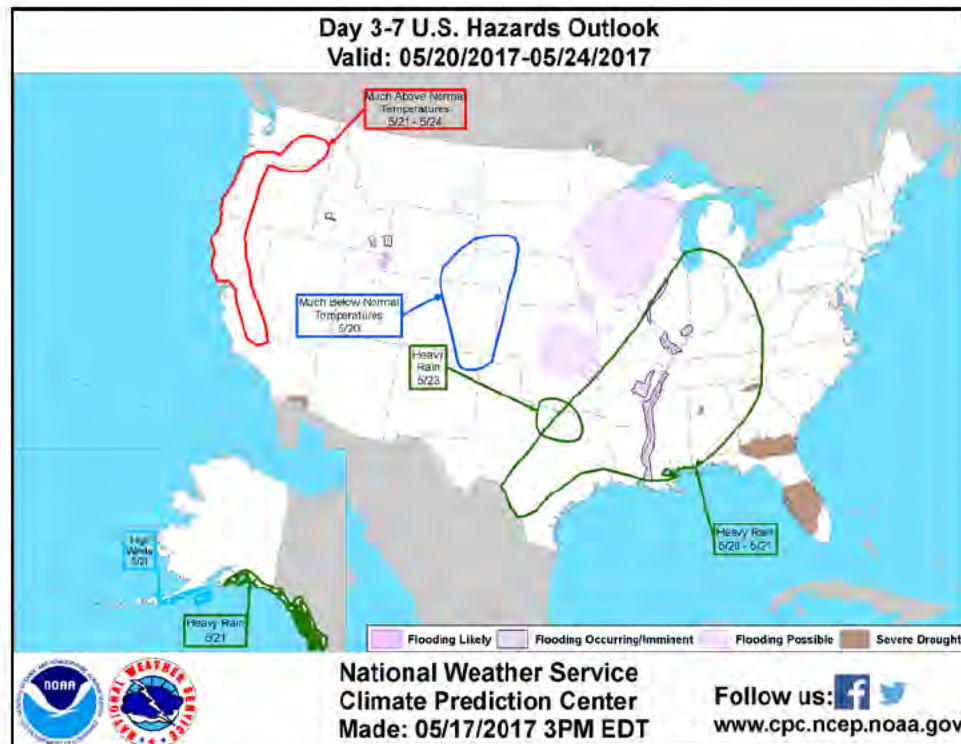
## Today:

A vigorous storm system over the central U.S. will bring the threat of severe weather and flash flooding to the southern Plains. There is a high risk of severe thunderstorms across central Kansas and north central Oklahoma. Severe weather across Kansas, Oklahoma, and Texas will present the threat of tornadoes, very large hail, damaging winds, and possible flash flooding. Unseasonably cold weather will bring heavy snowfall to higher elevations across the Rockies. Winter storm warnings are in place across portions of Colorado, Wyoming, Montana, and Nevada, where snowfall totals will be as high as 1-2 feet. A separate storm system over the Great Lakes will bring possibly severe thunderstorms to the eastern Great Lakes and upstate New York. Rain and thunderstorms are possible as well across much of the Mississippi River Valley through portions of the Gulf Coast and much of the Ohio Valley. High pressure will bring dry conditions to the West Coast.

## Tomorrow:

Severe thunderstorms and flash flooding will be possible from southern Texas northward through the central Plains and the upper Missouri River Valley. The chance of precipitation from this system will spread east in the form of rain and thunderstorm over the Ohio Valley, the Gulf Coast, and the mid-Atlantic. Much of the heavy snow will wind down across higher elevations of the West, only persisting for portions of the Rockies in northern Colorado. A chance of scattered rain and snow will continue for much of the remainder of the Rockies. A storm system over northern New England will bring the chance of rain and thunderstorms to New England. High pressure will allow the dry weather to continue across the West Coast.

## Weather Hazard Assessment



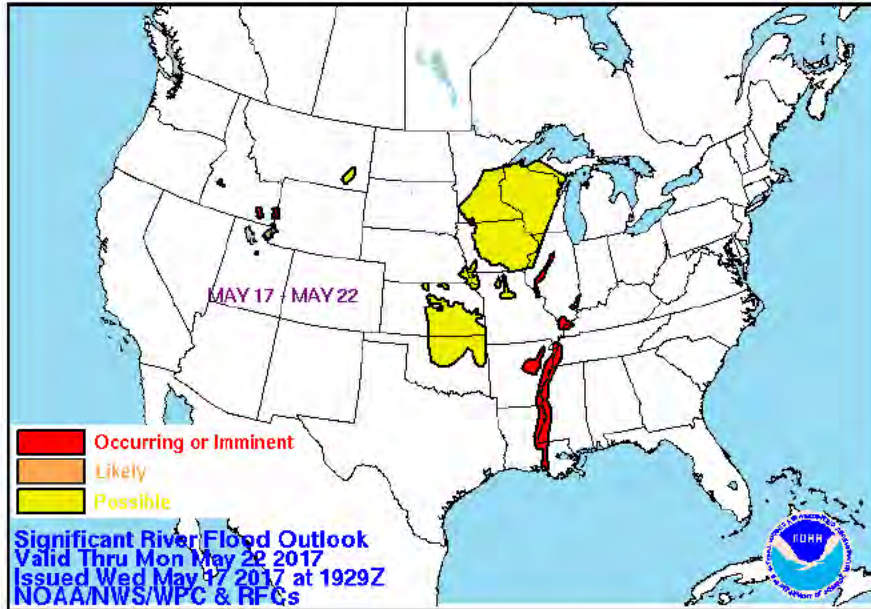
- May 20: Much below-normal temperatures across portions of the central Rockies and the Great Plains.
- May 20-21: Heavy rain across portions of the middle and lower Mississippi valleys, the Tennessee Valley, the Midwest, the southern Appalachians, the Southeast, and the southern Plains.
- May 21: Heavy rain across portions of the Alaska Panhandle westward through the Kenai Peninsula.
- May 21: High winds across Kodiak Island and adjacent portions of southwestern Alaska.
- May 21-24: Much above-normal temperatures across portions of California, the Great Basin, the Pacific Northwest, and the Southwest.
- May 23: Heavy rain across portions of Texas and Oklahoma.
- May 25-26: Heavy rain across portions of the Northeast.
- May 25-26: Slight risk of much above-normal temperatures from the Central Valley of California through the Columbia Basin of Washington state.

## Alaska Weather



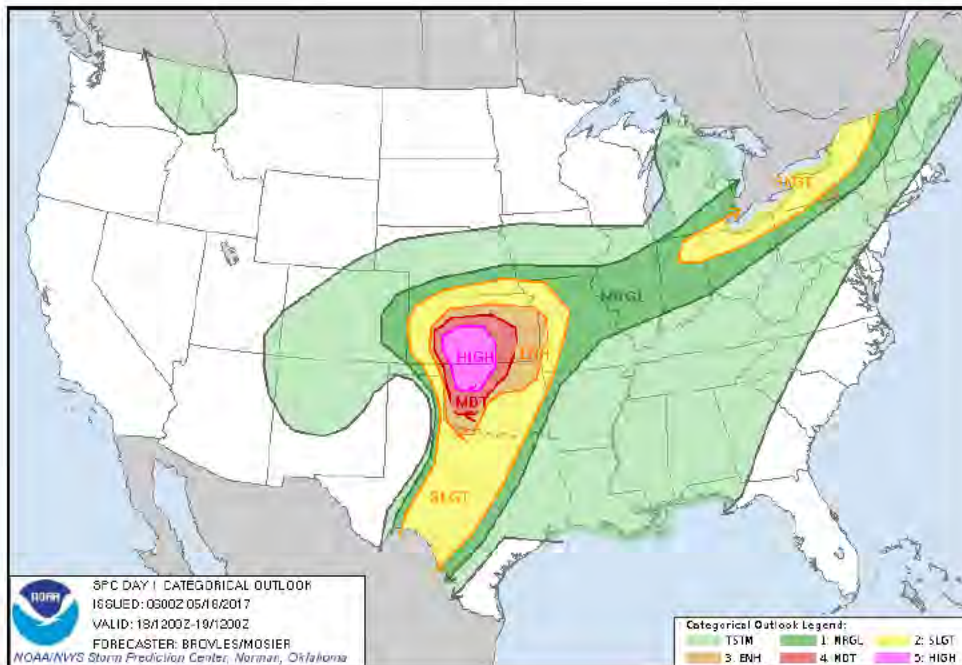
A Brisk Wind Warning is in effect from Point Franklin to Flaxman Island. A Small Craft Advisory is in effect from Point Franklin to Cape Beaufort and along the southern side of the Alaska Peninsula, including Kodiak.

## Significant River Flooding



River flooding is occurring or likely today in portions of Idaho, northern Utah, western Wyoming, Illinois, the middle and lower Mississippi valleys, and the Ohio Valley. River flooding is possible across Minnesota, Kansas, northern Oklahoma, southeastern Nebraska, Wisconsin, Iowa, Illinois, southern Montana, and northern Missouri.

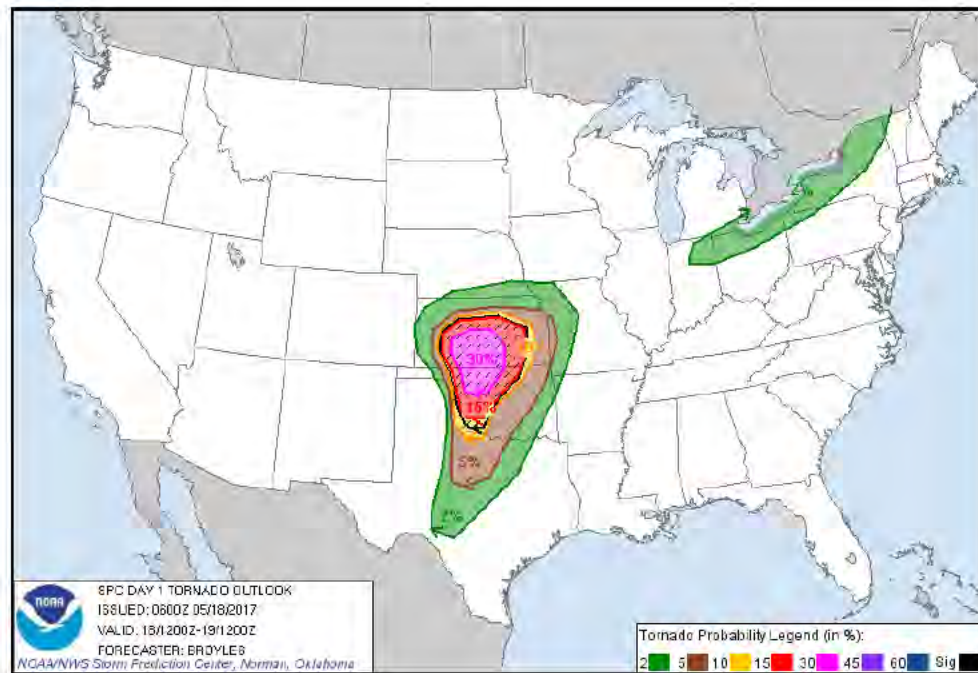
## Severe Weather



There is a High Risk of severe thunderstorm activity today across parts of southern and central Kansas, as well as northwestern Oklahoma. There is a Moderate Risk of severe thunderstorms outside of the High Risk Area across parts of Oklahoma and Kansas. There is an Enhanced Risk of severe thunderstorms outside of the Moderate Risk area across parts of the southern and central Plains. There is a Slight Risk of severe thunderstorms outside of the Enhanced Risk Area across parts of the southern and central Plains, the lower Missouri Valley, and parts of the lower Great Lakes Region. There is a Marginal Risk of severe thunderstorms across parts of the southern and central Plains, the mid-Mississippi Valley, and the northeastern states.

### Tornado Weather

There is a 10-30-percent chance of tornado activity today in central Kansas, northern Oklahoma, and northern Texas. A 5-percent chance of tornado activity stretches over most of Kansas, Oklahoma, western Missouri, and northern Texas. A 2-percent chance of tornado activity expands from northeastern Indiana to northeastern New York, southern Nebraska, western Missouri, Kansas, Oklahoma, and central Texas.



## Fire Weather



Critical Fire Weather is forecast today for portions of southeastern Arizona, southern New Mexico, and western Texas. Elevated Fire Weather is forecast for the Texas Panhandle, western Texas, New Mexico, southeastern Arizona, southern Colorado, Florida, and Georgia.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, May 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 19, 2017*

The **Crown Mountain Fire**, which is burning in the Big Bend National Park in Texas, has not been updated and will not be summarized in today's report.

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,963 (+97)
- Containment: 87-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 87 (-5) / 57 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Fire behavior was minimal during this reporting period. Due to the heavy fuel and structure, aviation resources are being utilized to monitor and extinguish any western progression into the Kissimmee Billy Strand. Ground resources are being utilized where there is access to the fire.



IGEMS Image

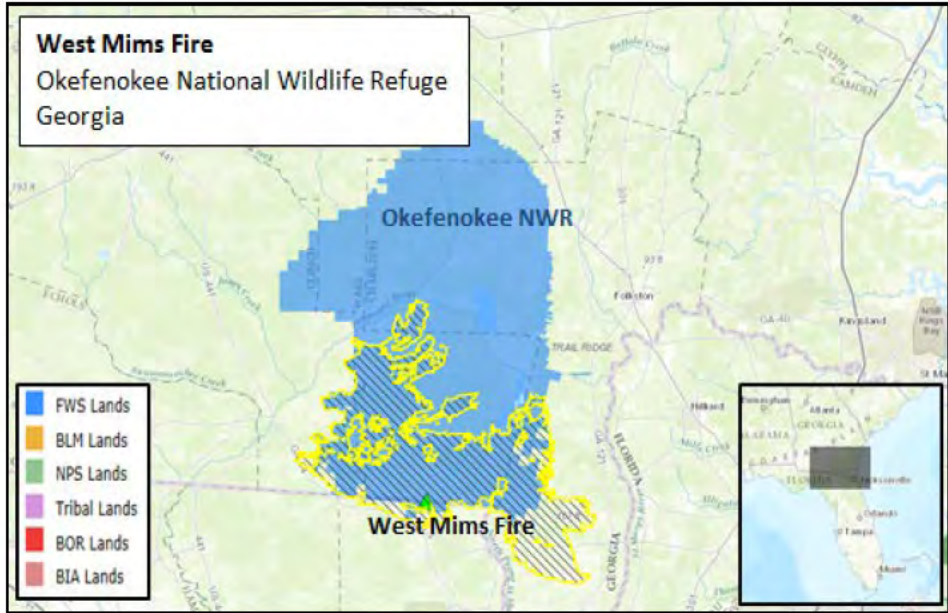
## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,231 (no change)
- Containment: 40-percent (+9)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,064 (+14) / 181 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

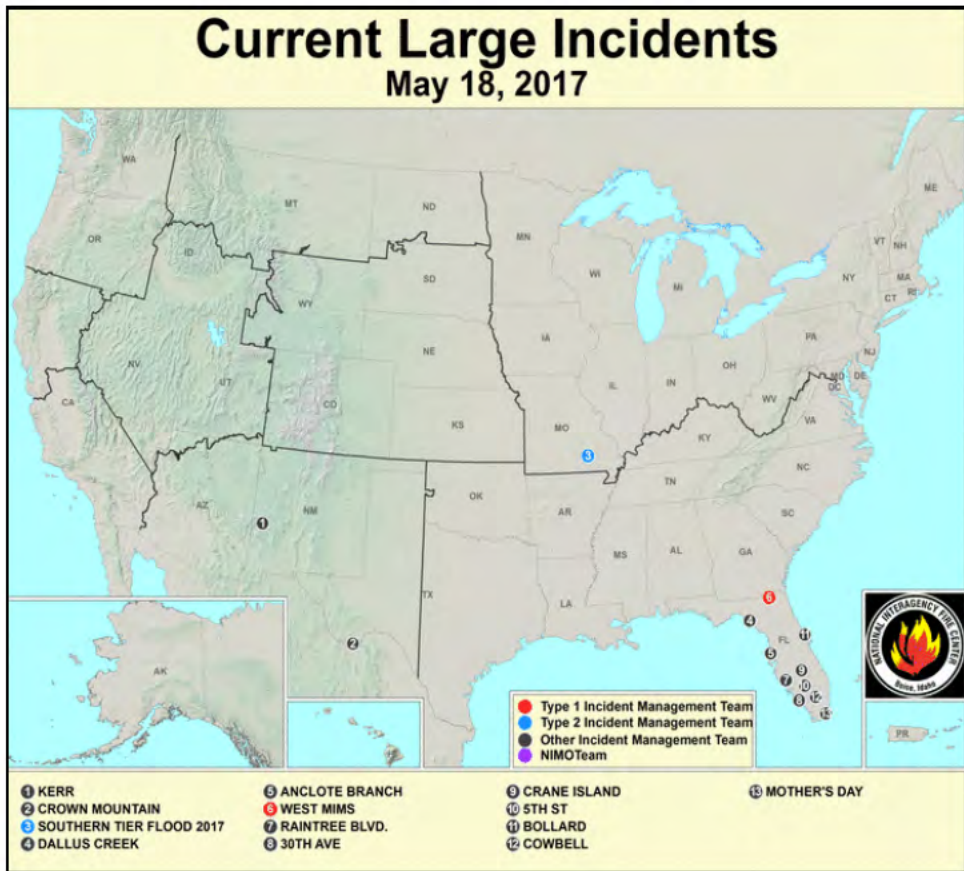
Comments: Minimal fire behavior occurred during this reporting period. Fuels that are conducive to fast moving fire activity are exacerbating the threat to private residences, nearby communities, and high value commercial timberlands. Shifting winds, very low fuel moistures, and a high probability of ignition have caused resistance to control. The fire continues to be managed under a 78-percent “Confine” and 22-percent “Full Suppression” strategy.





IGEMS Image

Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – May 18, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (44 new fires)
New large fires:	1
Large fires contained:	0
Uncontained large fires: **	9
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Major Disaster Declaration Update**

*Source: Federal Emergency Management Agency - May 18, 2017*

On May 18, Federal Emergency Management Agency (FEMA) Disaster Declaration 4308-DR-CA was amended to include Mono County and the Tule River Tribe for Public Assistance. The original declaration, on April 1, was issued for severe winter storms, flooding, and mudslides in California during the period of February 1-23, 2017.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Satellite observations indicate that the May 16 eruption of the Bogoslof Volcano altered the northern coastline of the island. The crater lake is now breached with a 550 meter gap along the northern shore, and the northeastern shore has been extended 300 meters from new deposits. No other significant activity was observed in seismic, infrasound, or satellite data of the volcano during this observation period. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions may occur with little precursory activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. The volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u ‘Ō‘ō on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above the pali, southeast of Pu‘u ‘Ō‘ō, and these flows pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

### **Significant National Weather**

*Source: National Weather Service - May 19, 2017*

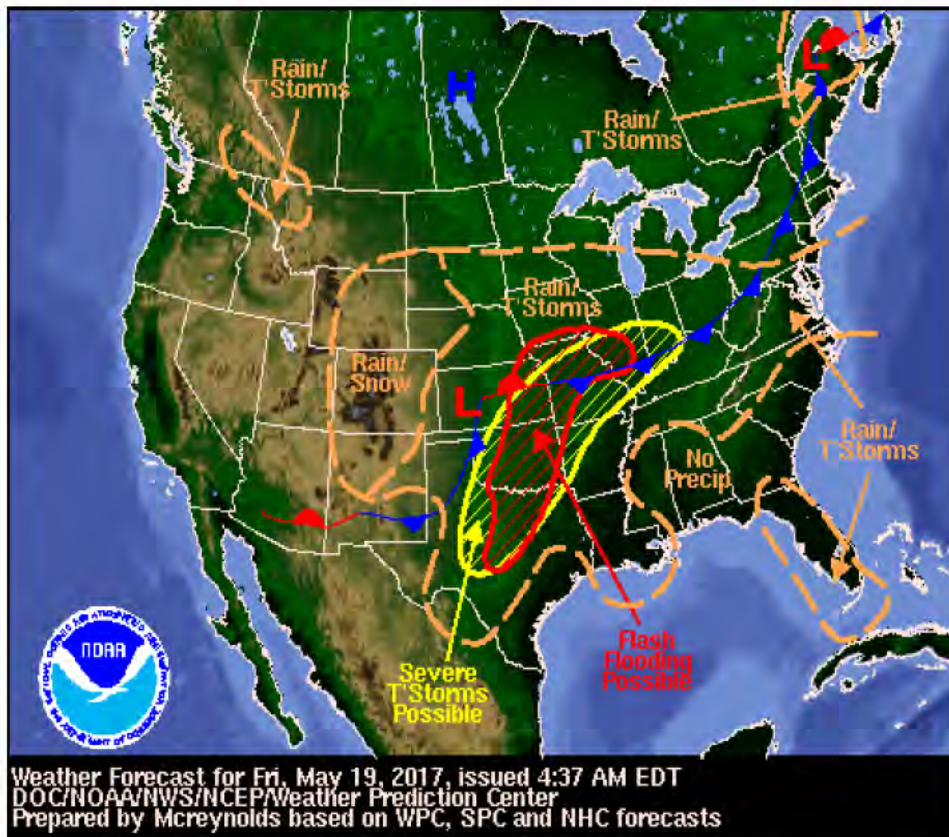
#### **Today:**

A low pressure system bringing rain and thunderstorms will move through northern New England and the Canadian Maritimes. A frontal boundary will extend through the Ohio Valley back to another low pressure system over the central Plains, with another front extending into the southern Four Corners. Showers and thunderstorms will develop from the mid-Atlantic west to the central and southern Great Plains and lower Mississippi Valley. Severe thunderstorms, capable of producing large hail and damaging winds, will be possible across parts of the southern Plains, the middle Mississippi Valley, and the lower Ohio Valley. Large hail and tornados will be possible from parts of southwestern Oklahoma into northwestern Texas. Severe thunderstorms are possible across parts of the central Appalachians and the mid-Atlantic. Heavy rain is forecast from central Texas to northern Missouri and central Illinois. There is a slight to moderate risk of flash flooding in these areas. Rain and snow are possible for the higher elevations of the central Rockies and west-central Plains. Scattered showers and thunderstorms are expected for the Florida Peninsula and the far northern Rockies.

#### **Tomorrow:**

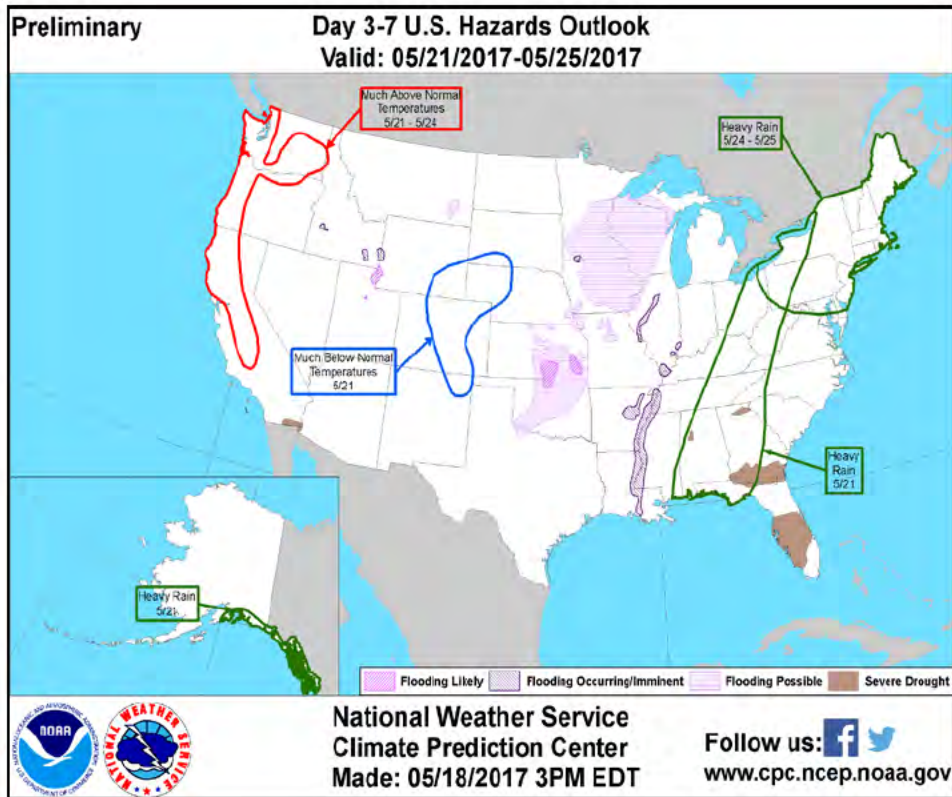
Rain and thunderstorms will develop tomorrow across the Great Lakes, the Ohio Valley, the middle and lower Mississippi Valley, the southern Plains, the Deep South, and the southern mid-Atlantic. Strong to severe thunderstorms will be possible ahead of a cold front from eastern Texas into the lower to middle Mississippi and lower Ohio valleys. Strong wind gusts and hail will be the main concern. A large area of heavy rain could produce areas of localized flooding and flash flooding in the western Great Lakes, the lower Ohio and Tennessee valleys, the lower Mississippi Valley, and central Texas. Rain will be possible across portions of the upper

Midwest and the northern Plains. Rain and thunderstorms are expected for the northern Great Basin, the Snake River Valley, the northern Cascades, and portions of the northern Rockies.

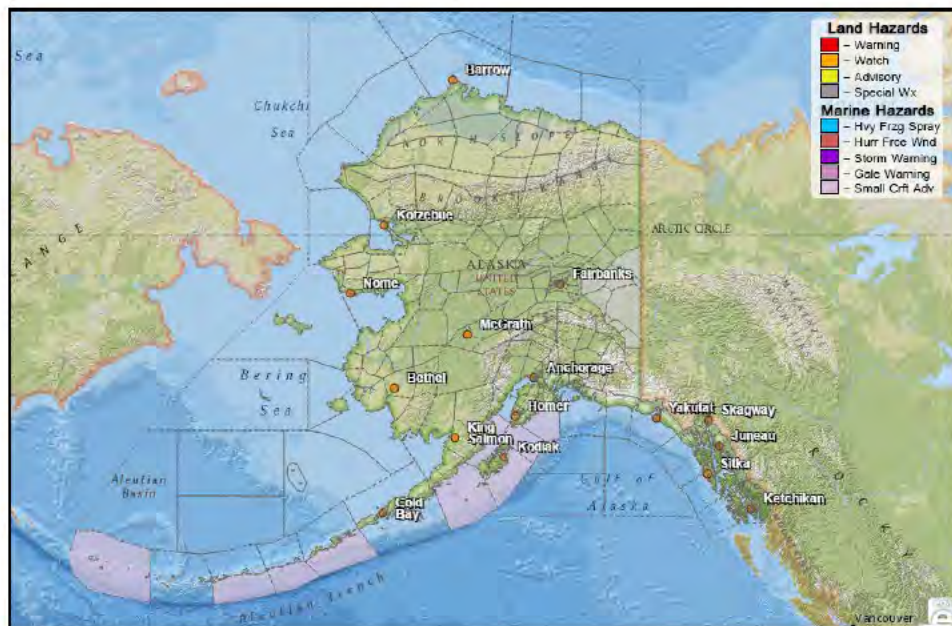


### Weather Hazard Assessment

- May 21: Heavy rain across portions of the lower Mississippi Valley, the central and southern Appalachians, the Tennessee and Ohio valleys, the Northeast, and the Southeast.
- May 21: Heavy rain across portions of the Alaska Panhandle and windward regions through the Kenai Peninsula.
- May 21: Much below-normal temperatures across portions of the central and southern Rockies and the Great Plains.
- May 21-24: Much above-normal temperatures across portions of the Great Basin, the northern Rockies, California, the Pacific Northwest, and the Southwest.
- May 24-25: Heavy rain across portions of the mid-Atlantic and Northeast.
- May 26: Slight risk of much above-normal temperatures for portions of California, the Pacific Northwest, and the northern Great Basin.

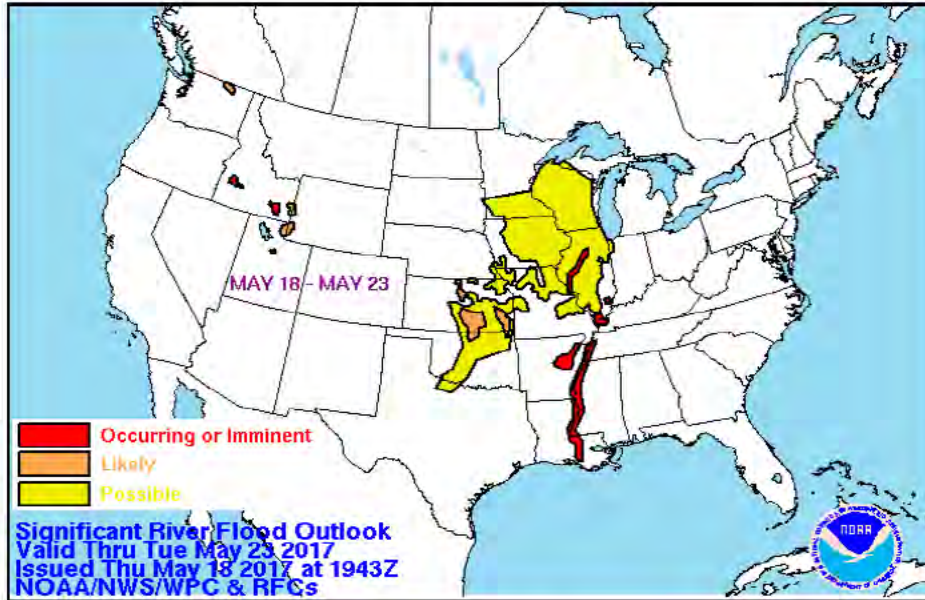


### Alaska Weather



A Small Craft Advisory is in effect for portions of the western Gulf of Alaska, the Barren Islands, the Shelikof Strait, the eastern Aleutians, the central Aleutians, and the far western Aleutians.

## Significant River Flooding



River flooding is occurring or likely today in portions of Idaho, northern Utah, Oklahoma, central and southern Kansas, western Wyoming, Illinois, the middle and lower Mississippi valleys, northern Washington, and the Ohio Valley. River flooding is possible across the upper and middle Mississippi valleys, the central and southern Plains, and the upper Great Lakes.

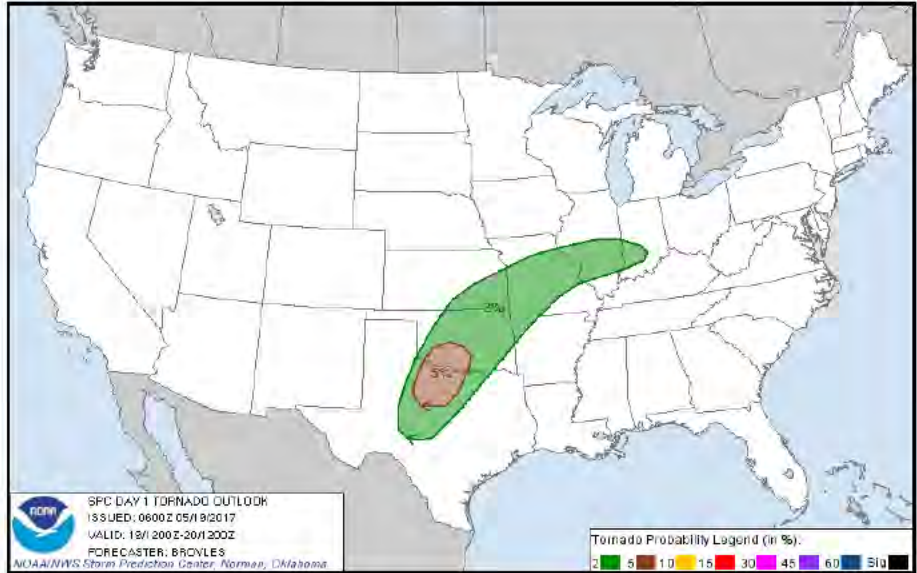
## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today from parts of south-central Oklahoma to north-central Texas. There is a Slight Risk of severe thunderstorms from parts of the southern and central Plains into the middle Mississippi and lower Ohio valleys. There is a

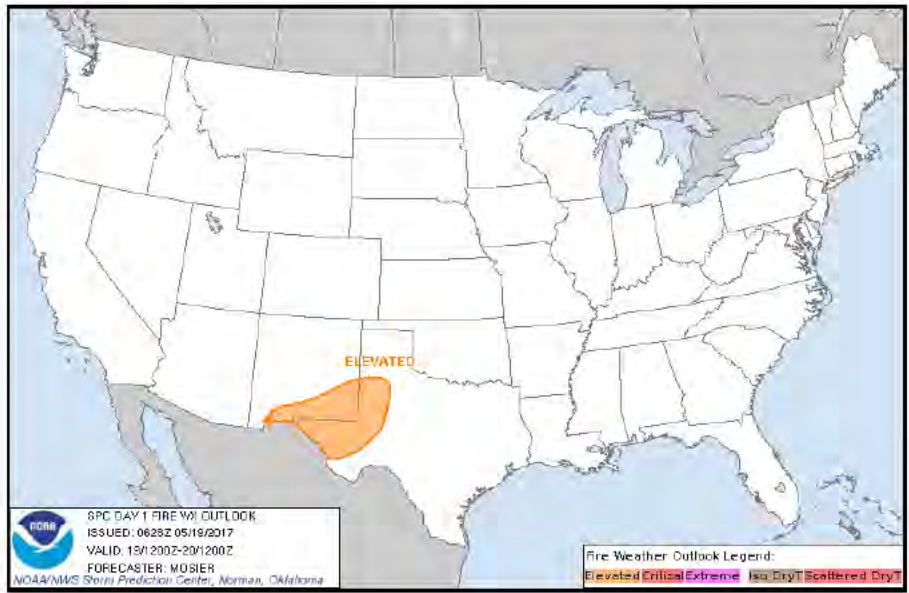
Marginal Risk of severe thunderstorms surrounding the Slight Risk area and extending into the central Appalachians and the mid-Atlantic.

### Tornado Weather



There is a 5-percent chance of tornado activity today in northern Texas and southern Oklahoma. There is a 2-percent chance of tornado activity in central Texas, Oklahoma, Missouri, Illinois, southeastern Kansas, northwestern Arkansas, and southwestern Indiana.

### Fire Weather

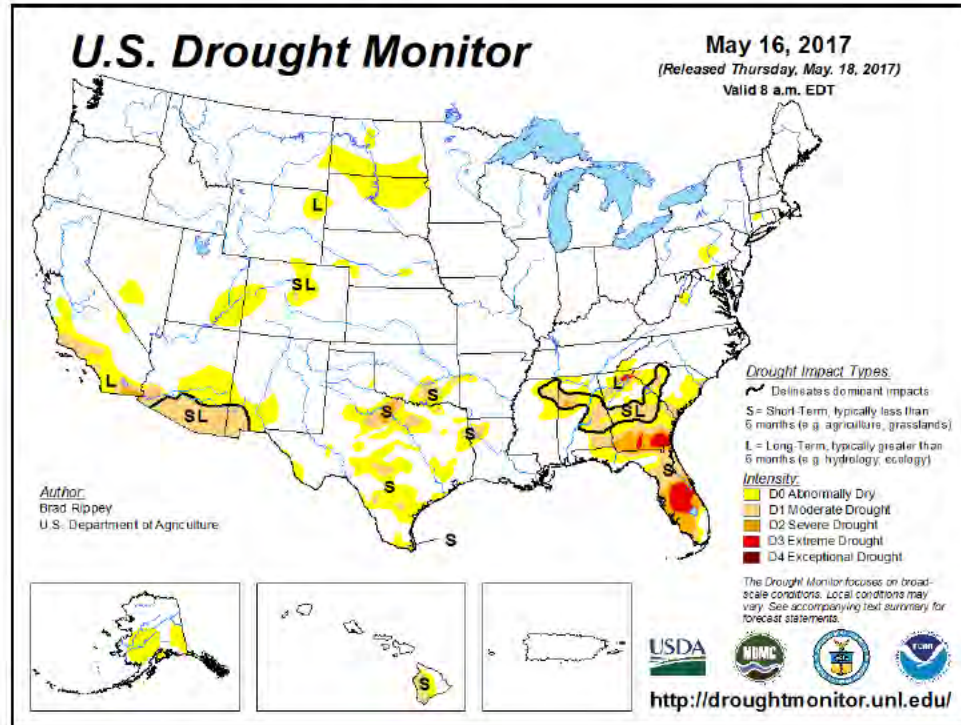


There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for western Texas and southern New Mexico.

## Other News and Notes

### **U.S. Drought Monitor**

*Source: National Drought Mitigation Center - May 18, 2017*



An active weather pattern continued to result in widespread showers over the past week, with some of the heaviest rain falling across the Plains, the Midwest, and the mid-South. Another area of significant precipitation stretched across the middle and northern Atlantic states, while showers also occurred in parts of the Northwest. In contrast, mostly dry weather prevailed from California to the lower Rio Grande Valley, as well as large sections of the lower Southeast. The drought changes from last week were a mix of improvement and deterioration. Specifically, warm, dry weather and short-term rainfall deficits in Texas led to significant increases in the coverage of abnormal dryness and moderate to severe drought. Also, hot, mostly dry conditions led to further expansion of moderate to extreme drought across southern Georgia and the Florida Peninsula. Elsewhere, patchy improvements in the drought situation were noted in a few areas, including parts of the Southeast.

***\*End of Report\****



**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, May 22, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 22, 2017*

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,963 (+97)
- Containment: 87-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 87 (-5) / 57 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Fire behavior was minimal during this reporting period. Due to the heavy fuel, aviation resources are being utilized to monitor and extinguish any western progression into the Kissimmee Billy Strand. Ground resources are being utilized where there is access to the fire.



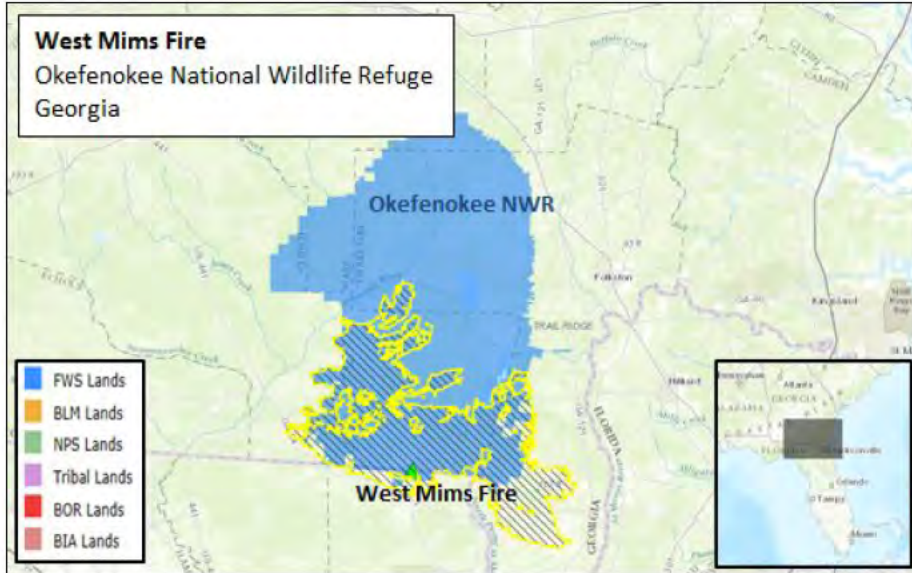
IGEMS Image

## Georgia Fires

### **West Mims Fire**

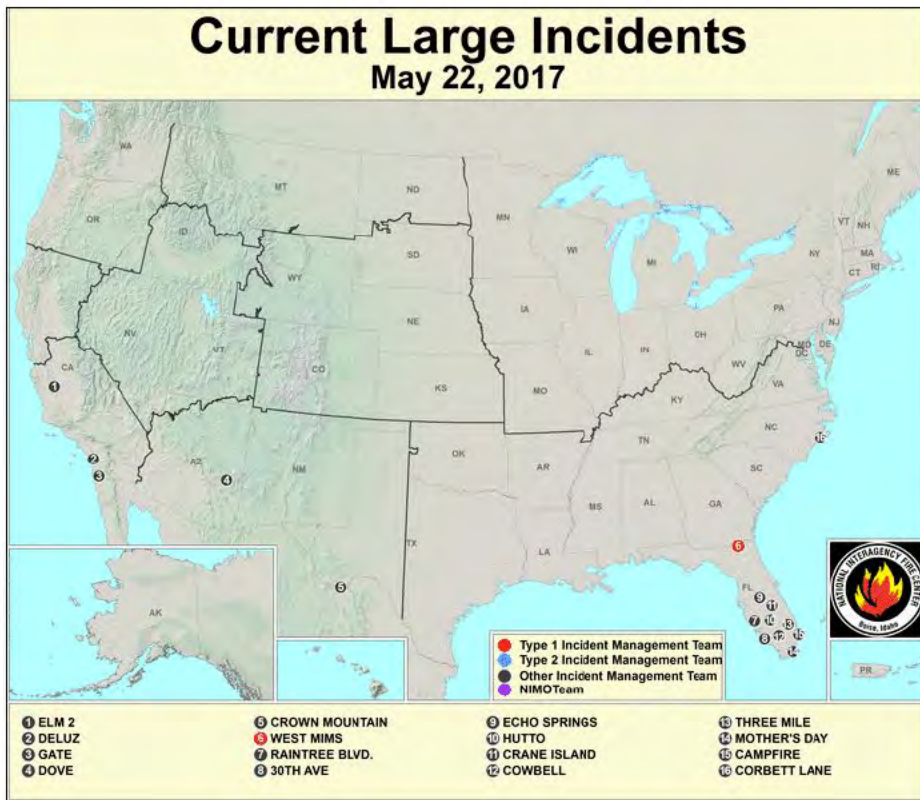
- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,231 (+247)
- Containment: 60-percent (+20)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 989 (-75) / 147 (-22)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior occurred during this reporting period. Small areas of heat persist with smoldering and creeping. Portions of the Okefenokee National Wildlife Refuge remain closed. Fuels that are conducive to fast moving fire are exacerbating the threat to private residences, communities and high value commercial timberlands. Shifting winds, very low fuel moistures, and a high probability of ignition have caused resistance to control. Accessibility to the fire is limited due to poor access to control lines and roads.



IGEMS Image

**Large Fire Map**



## Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center – May 22, 2017*

### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (65 new fires)
New large fires:	1
Large fires contained:	2
Uncontained large fires: **	8
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### United States Flooding

#### Trempealeau National Wildlife Refuge Closure - Wisconsin

*Source: U.S. Fish and Wildlife Service - May 19, 2017*

On May 19, the U.S. Fish and Wildlife Service (USFWS) reported that the Trempealeau National Wildlife Refuge was closed due to flooding. The Trempealeau River was expected to crest on Saturday evening, and the USFWS indicated that the refuge will remain closed until a damage assessment was completed. Refuge staff will be teleworking until the flooding subsides.



USFWS Image

## **United States Geological Survey Response to California/Nevada Flooding**

*Source: U.S. Geological Survey - May 19, 2017*

A historic snowpack, coupled with high temperatures, is forecast to produce major to record flooding this week in the Walker River Basin in California and Nevada. Three field teams were deployed over the weekend to install two emergency gages upstream and downstream of Topaz Lake so the reservoir can be more carefully operated in consideration of downstream flooding. Instruments will be raised at three gaging stations in anticipation of high water levels, and flood measurements will be made throughout the week as flows increase on the Walker River. The installation of emergency gages is being coordinated with the Walker River Irrigation District and the National Weather Service California-Nevada River Forecast Center.

## **United States Geological Survey Response to Kansas Flooding**

*Source: U.S. Geological Survey - May 20, 2017*

Heavy rainfall, following several days of scattered thunderstorms, has resulted in widespread flooding throughout north-central Kansas. Flooding is currently occurring at seven locations with numerous locations forecast to reach or exceed flood stage. The Kansas Water Science Center deployed four field crews to obtain high flow measurements.

## **Jet Fuel Spill - Naval Air Station Oceana, Virginia Beach, Virginia**

*Source: DOI Office of Environmental Policy and Compliance - May 19, 2017*

On May 11, approximately 96,000 gallons of jet fuel spilled from a tank at Naval Air Station Oceana in Virginia. The U.S. Navy is leading the cleanup and is working with the U.S. Coast Guard during the response. The EPA has initiated 24-hour air monitoring to determine if vapors are below recommended levels for long-term exposure. On May 19, air monitors were placed at four residences, and the EPA is planning to perform air monitoring at 24 properties over the next several days.

The U.S. Fish and Wildlife Service's Virginia Contaminants Program has provided technical assistance and advice on wildlife response operations. As of May 19, wildlife impacts included one snapping turtle, Canada geese, mallard ducks, a frog, along with a fish kill event. Oiled wildlife are being treated at the Tri-State Bird Rescue and Rehabilitation facility in Newark, Delaware.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was observed at Bogoslof volcano in seismic, infrasound, or satellite data over the past day. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano. AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in cloudy satellite and web camera images, and no activity was detected in seismic or infrasound data. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. Active surface flows persist above and on the pali southeast of Pu‘u ‘Ō‘ō. These pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

### **Significant National Weather**

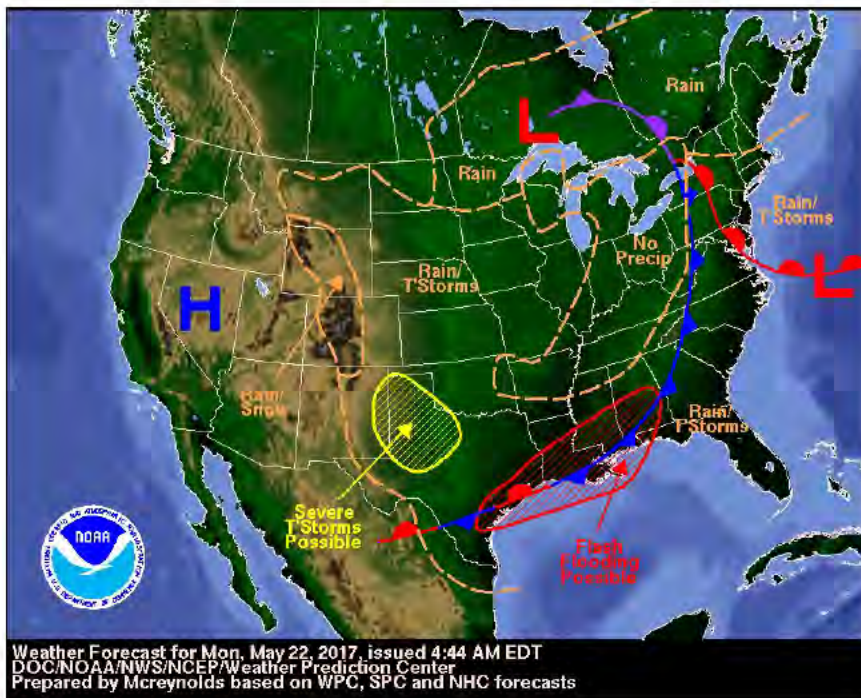
*Source: National Weather Service - May 22, 2017*

#### **Today:**

A frontal system will stretch from the Northeast to the Gulf Coast States. Rain will develop from the upper Midwest across the northern Great Lakes to New England. A few severe thunderstorms may occur across the western and central Gulf Coast region, as well as the central Plains and upper Mississippi Valley. Heavy rain is expected to develop along the Gulf Coast region from Texas to southern Alabama. Additional scattered areas of rain and thunderstorms will develop across the Great Plains and Midwest. A few severe thunderstorms are possible this afternoon and evening from eastern New Mexico to portions of central Texas. Rain and snow is possible for the higher elevations of the central Rockies.

## Tomorrow:

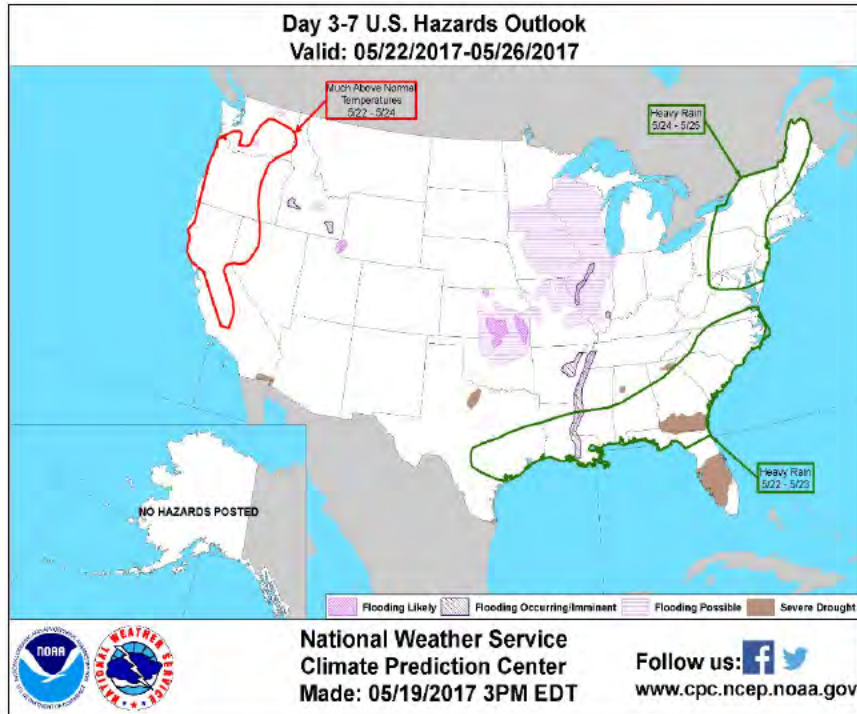
The east coast frontal boundary will continue to move east and will extend from Maine to southeast Virginia. Rain will develop from the upper Ohio Valley across the Northeast into southern New England, and the northern mid-Atlantic. More rain is possible for the upper Midwest and portions of the northern Great Plains. Rain and thunderstorms are expected from the Great Lakes into the Southeast, the Mississippi Valley, and the central and southern Great Plains. Heavy rain will develop from southeast Virginia into the Florida Panhandle and southern Mississippi that may produce areas of flooding and flash flooding. Some rain and snow will linger across the central Rockies. A Pacific weather system will begin to drop into the Northwest. A few scattered showers and thunderstorms will be possible for the central Sierras.



## Weather Hazard Assessment

- May 22: Severe drought across portions of the Tennessee Valley, Hawaii, the southern Appalachians, the Southeast, California, and the Southwest.
- May 22-23: Heavy rain across portions of the lower Mississippi Valley, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, the Southeast, and the southern Plains.
- May 22-24: Above-normal temperatures across parts of the Great Basin, California, and the Pacific Northwest.
- May 24-25: Heavy rain across portions of the mid-Atlantic, the Northeast, and the central Appalachians.



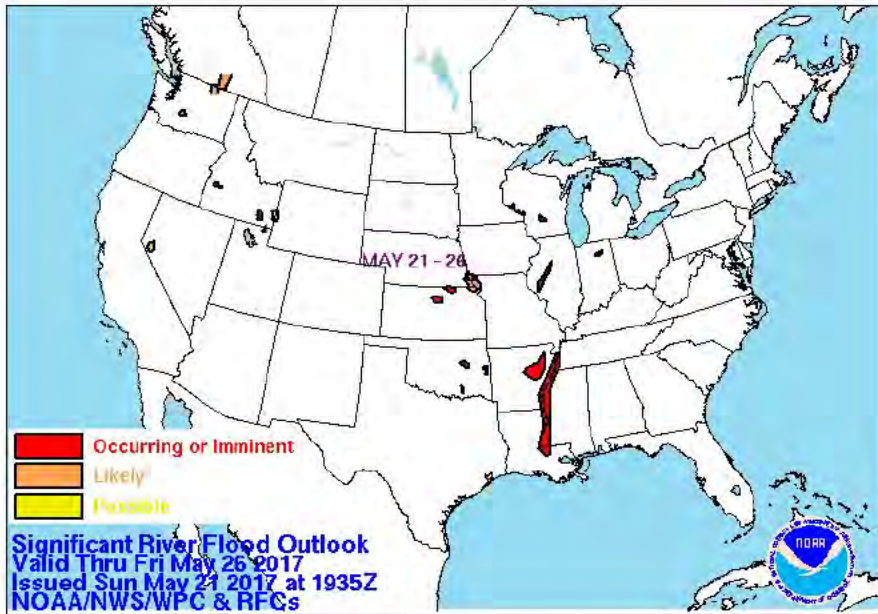


## Alaska Weather



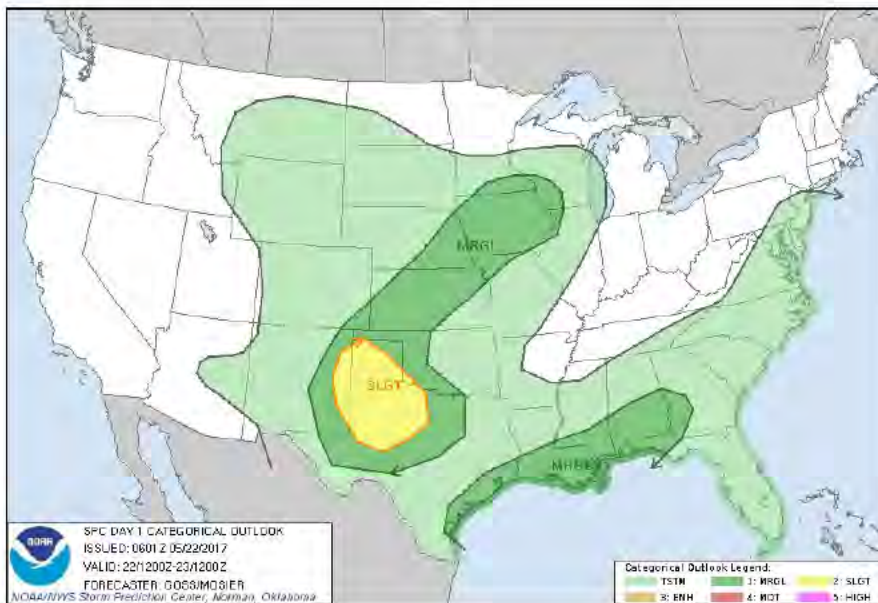
A Small Craft Advisory is in effect for portions of the Gulf of Alaska, the Barren Islands, St. Matthew Island, Dall Point to Wales, Kuskokwim Delta and Etolin Strait, Pribilof Islands, the Shelikof Strait, the eastern Aleutians, the central Aleutians, and the far western Aleutians. There is a Gale Warning for the Pacific side of the central Aleutians.

## Significant River Flooding



Flooding is occurring or imminent across portions of the middle and lower Mississippi Valley, the Great Lakes, the Ohio Valley, and the northern Great Basin. Flooding is likely across portions of the central Plains, the southern Plains, and the Great Basin. Flooding remains possible across portions of the Great Plains, the Great Lakes, the northern Rockies, the upper and middle Mississippi Valley, the northern Great Basin, and the Ohio Valley.

## Severe Weather



There is a Slight Risk of severe thunderstorms in northwestern Texas and eastern New Mexico today. There is a Marginal Risk of severe thunderstorms surrounding the southern High Plains and extending northeast across the Central Plains. The Gulf Coast region also has a marginal risk of severe thunderstorms today.

### **Tornado Weather**



There is a 2-percent chance of tornado activity along the western Gulf Coast region from Texas to Mississippi.

### **Fire Weather**

There is no Fire Weather forecast for today.

***\*End of Report\****

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Tuesday, May 23, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

**Explosion at Manchester Arena - Manchester UK**

**Source: U.S. Department of Homeland Security - May 23, 2017**

On May 22, at approximately 6:30 p.m. EDT, an explosion occurred at the Manchester Arena following the performance of recording artist Ariana Grande in Manchester, United Kingdom (UK). Sources report that the incident occurred at the end of the performance towards the foyer/front entrance area as patrons were departing. Greater Manchester Police have confirmed at least 22 fatalities and 59 injured. The DHS Regional Attaché reports all DHS personnel in the UK, including three CBP personnel assigned to Manchester, are accounted for.

Greater Manchester Police confirmed the attacker died at the scene and was believed to be carrying an Improvised Explosive Device. Department of State has received no reports of U.S. victims from this incident. Chief of Mission personnel accountability is ongoing. There has been no claim of responsibility for this attack.

## Wildland Fire Activity

Source: *Fire and Aviation Management Website - May 23, 2017*

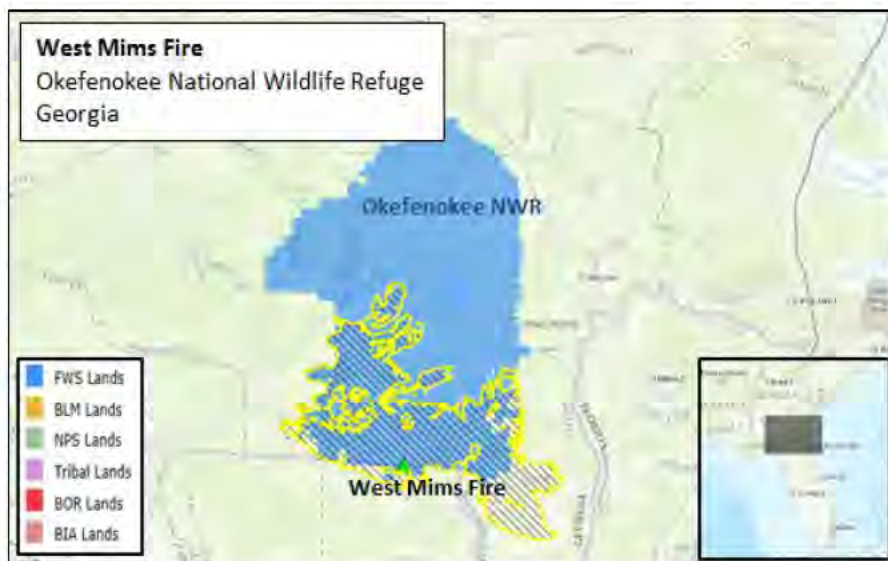
The Cowbell Fire burning within the Big Cypress National Preserve in Florida has not been updated and will not be included in today's report.

### Georgia Fires

#### **West Mims Fire**

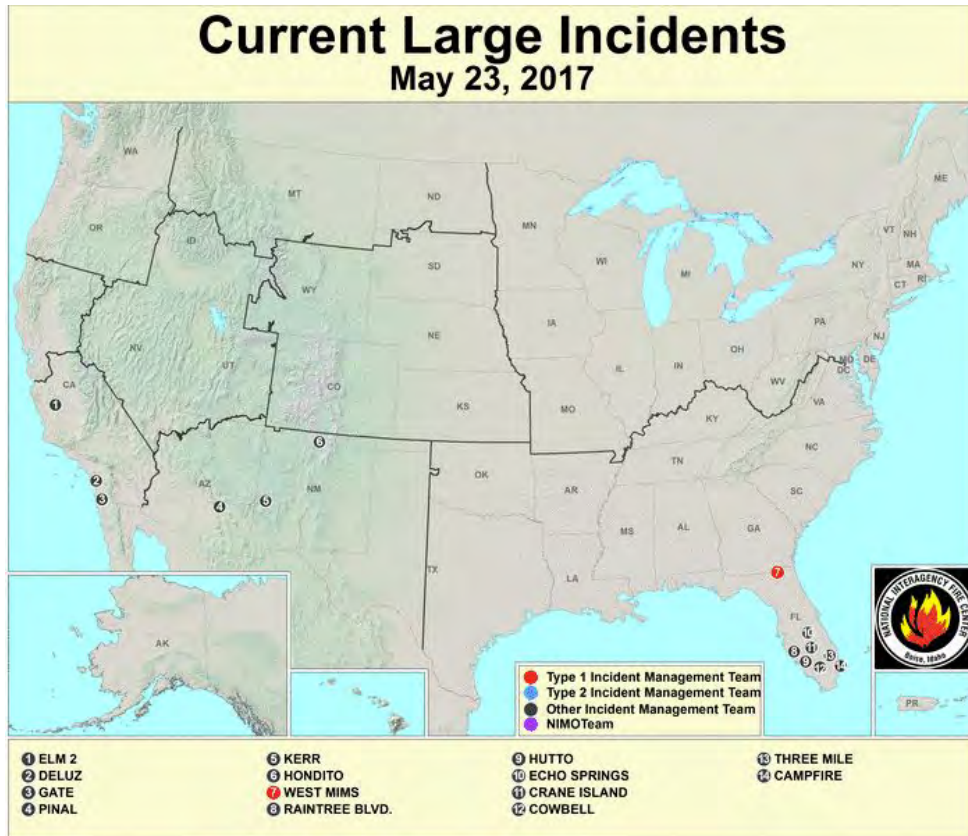
- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,478 (+247)
- Containment: 60-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 950 (-39) / 145 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior occurred during this reporting period. Small areas of heat persist with smoldering and creeping. Portions of the Okefenokee National Wildlife Refuge remain closed. Fuels that are conducive to fast moving fire are exacerbating the threat to private residences, communities and high value commercial timberlands. Shifting winds, very low fuel moistures, and a high probability of ignition have caused resistance to control. Accessibility to the fire is limited due to poor access to control lines and roads.



IGEMS Image

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – May 23, 2017

### National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (97 new fires)
New large fires:	2
Large fires contained:	2
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	0
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **DOI Bureau Reports**

### **Office of Environmental Policy and Compliance (OEPC) Response to Louisiana Flooding**

*Source: Office of Environmental Policy and Compliance (OEPC) - May 22, 2017*

The OEPC continues to lead the Natural and Cultural Resources (NCR) Recovery Support Function efforts based at the Federal Emergency Management Agency's (FEMA) Joint Field Office (JFO) in Baton Rouge, Louisiana. The OEPC's Field Coordinator continues working with the interagency team and the State to implement the NCR portion of FEMA's Recovery Support Strategy (RSS). This support is being provided remotely, with monthly short duration trips to the JFO, as needed. Additional support for State Park planning is being provided by the National Park Service - Rivers, Trails, and Conservation Areas Program. The current mission assignment is active through July.

### **OEPC Response to Hurricane Matthew - North Carolina (Final)**

*Source: Office of Environmental Policy and Compliance (OEPC) - May 22, 2017*

The OEPC NCR Field Coordinator has completed the tasks requested under the FEMA Mission Assignment for Hurricane Matthew (September 2016) recovery efforts in North Carolina. The Mission Assignment ends on May 31.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was observed at Bogoslof volcano in seismic, infrasound, or satellite data over the past day. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano. AVO continues to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in cloudy satellite and images, and no activity was detected in seismic or infrasound data over the last observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory

unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 22, 2017*

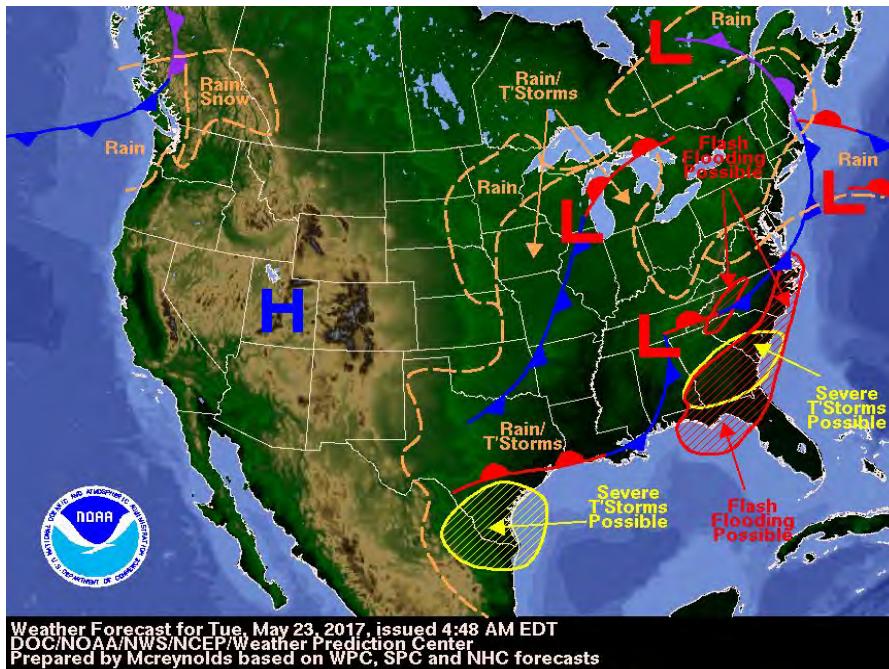
**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. Active surface flows persist above and on the pali southeast of Pu‘u ‘Ō‘ō. These pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

### **Significant National Weather**

*Source: National Weather Service - May 23, 2017*



### **Today:**

Rain and thunderstorms will develop from the mid-Atlantic to the Southeast, lower Mississippi Valley, and most of Texas. A severe risk of thunderstorms also exists across portions of the Southeast, including southern Georgia, southeast Alabama, and southeast South Carolina. Heavy rain can be expected for the coastal Carolinas, southern Georgia, southeast Alabama, and northern Florida. Additional showers and thunderstorms will develop along another frontal system from the central Great Lakes to lower Mississippi Valley. Rain is also possible across parts of the upper Midwest and northern Great Plains. High pressure over Utah will produce fair



and dry weather from the Rockies to the West Coast.

### **Tomorrow:**

Rain and thunderstorms will develop across the mid-Atlantic, Ohio Valley, Tennessee Valley, Deep South, and Southeast. Severe thunderstorms will be possible across much of Florida, central and eastern Georgia, and southern South Carolina. More isolated severe storms will be possible from portions of eastern Alabama into North Carolina. Rain is likely from the upper Mississippi Valley across the Great Lakes to the Northeast and New England. Rain and thunderstorms will develop from the western High Plains through the central Rockies to the Great Basin. Rain and snow is likely for the northern Rockies, and the Washington Cascades.

### **Weather Hazard Assessment**



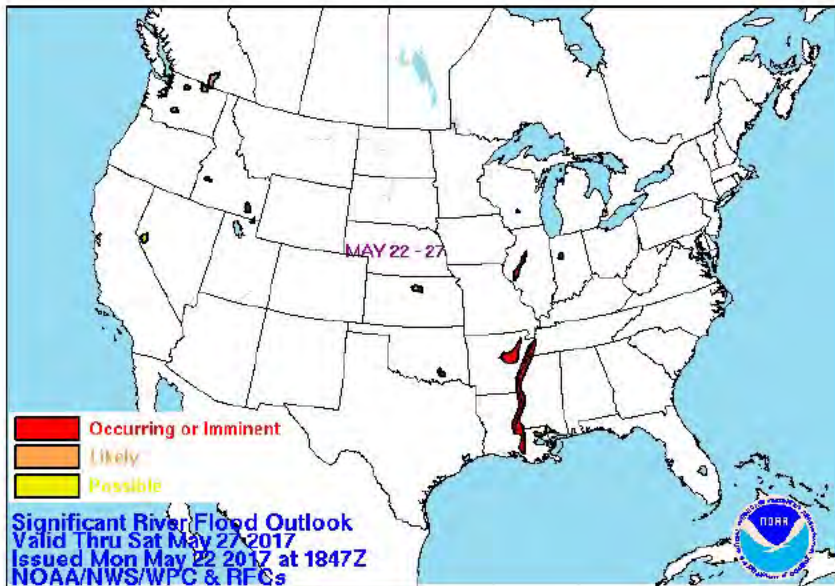
- May 25-26: Heavy rain for parts of the Northeast.
- May 26-27: Much below-normal temperatures for parts of south-central and western Alaska.
- May 27-28: Heavy rain for southeastern Kansas, eastern Oklahoma, the Ozarks, and parts of the middle to lower Mississippi Valley.
- May 27-28: High winds for parts of southwest mainland Alaska and the Alaska Peninsula.
- May 29: Much above-normal temperatures for western parts of Oregon and northern California.
- May 30-June 1: A slight risk of much above-normal temperatures for parts of the Pacific Northwest and northern California.
- May 30: A moderate risk of much above-normal temperatures for parts of northwestern Oregon.
- Severe Drought across parts of the Southeast and southern California.

## Alaska Weather



A Small Craft Advisory is in effect for portions of the Gulf of Alaska, the Barren Islands, St. Matthew Island, Dall Point to Wales, Kuskokwim Delta and Etolin Strait, Pribilof Islands, the Shelikof Strait, the eastern Aleutians, the central Aleutians, and the far western Aleutians. There is a Gale Warning for the central and eastern Aleutians, and eastern Gulf of Alaska from Sitka to Ketchikan.

## Significant River Flooding



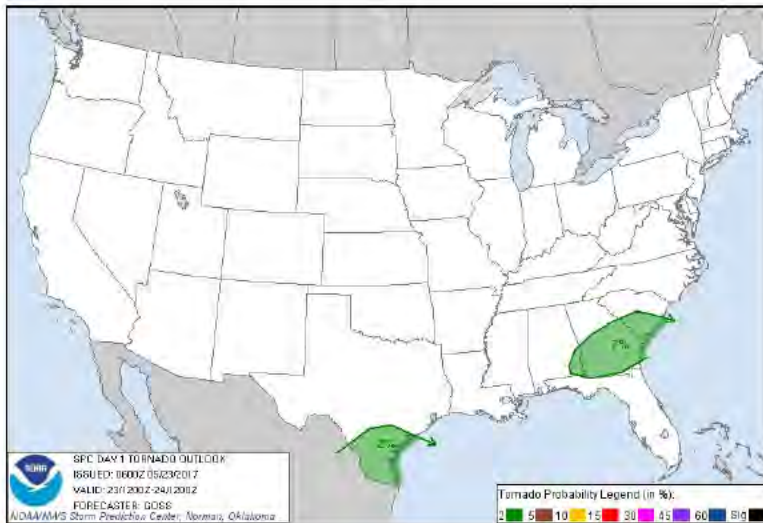
Flooding is occurring or imminent for eastern Arkansas, western Illinois, central Indiana, the lower Mississippi River, central Kansas, southern Idaho, and central Wisconsin. Flooding is likely or possible for parts of Idaho, Utah, Nevada, central Kansas, and Washington.

## Severe Weather



There is a Slight Risk of severe thunderstorms across southern Texas, southern Georgia, southern South Carolina, and southeastern Alabama. There is a Marginal Risk of severe thunderstorms across the Southeast from North Carolina to Florida, and the Texas Coastal Plain.

## Tornado Weather



There is a 2-percent chance of tornado activity across southern Texas, southern Georgia, southern South Carolina, and southeastern Alabama.

## Fire Weather

There is no Critical Fire Weather forecast for today.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, May 24, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Explosion at Manchester Arena - Manchester, United Kingdom

*Source: U.S. Department of Homeland Security - May 24, 2017*

The Greater Manchester Police have identified the suspected bomber and arrested the suspect's brother as the investigation into the May 22 bombing continues. Media sources report that ISIS has claimed responsibility for the bombing, but has produced no evidence of complicity. The attacker and 22 victims were killed, and at least 120 were injured.

The British Prime Minister raised the threat level for international terrorism in the United Kingdom to Critical (the highest level of five) meaning that another attack may be imminent. Military personnel will be deployed on the streets of Britain to support police officers at key sites. The areas around the Manchester Arena and Manchester's Victoria Train Station remain cordoned off.

The Federal Bureau of Investigation (FBI) and the Department of Homeland Security (DHS) hosted a Critical Incident Conference Call on May 23 with state and local partners to provide an update on the incident. The National Protection and Programs Directorate (NPPD) is engaging with U.S. partners and the FBI for information regarding the explosive device. The Federal Protective Service (FPS) is focusing on protecting soft targets to include public gatherings on or near federal facilities, supporting local law enforcement for key events, and providing an enhanced presence at mass transit hubs near federal facilities as part of ongoing operations. The U.S. Customs and Border Protection National Targeting Center is coordinating with partner agencies as information on the incident develops.

The U.S. Embassy in London has reported full accountability of Chief of Mission personnel and cautioned U.S. citizens in the area to heed local authorities and maintain situational awareness. The DHS Press Office issued a statement reporting that there is no information to indicate a credible threat against any venues or events in the U.S., including for the upcoming holiday weekend. State, local, and private sector partners are cooperating to take the necessary precautions to ensure the safety of participants and attendees at major events.

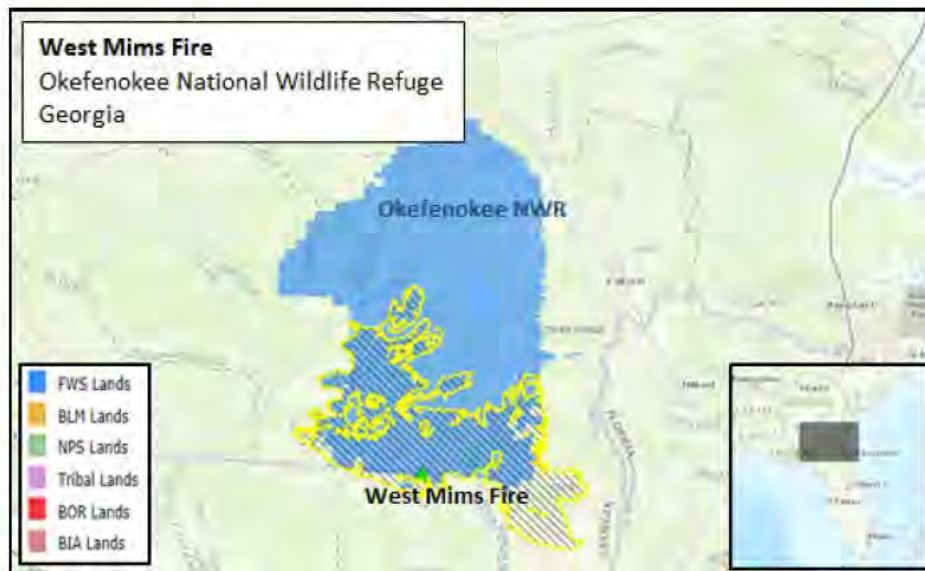
### **Wildland Fire Activity**

Source: *Fire and Aviation Management Website - May 24, 2017*

The **Cowbell Fire**, which is burning within the Big Cypress National Preserve in Florida, has not been updated and will not be summarized in today's report.

### **Georgia Fires**

#### **West Mims Fire**

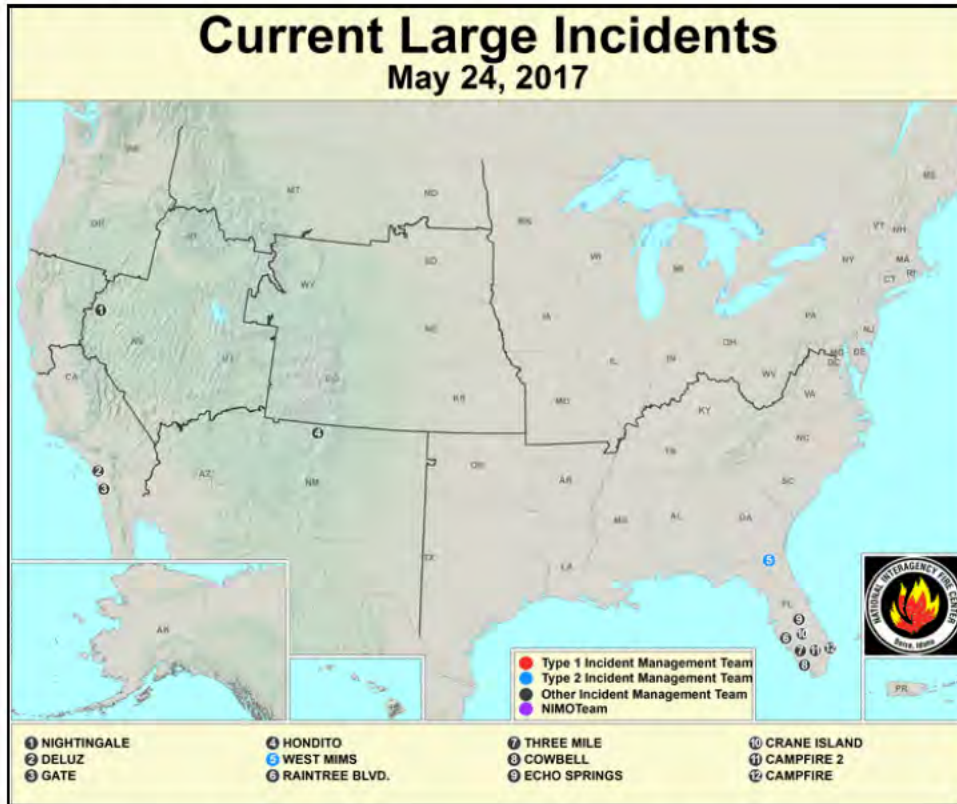


IGEMS Image

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,478 (no change)
- Containment: 60-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 833 (-117) / 135 (-10)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior was observed during this reporting period, and rain occurred across much of the incident yesterday morning. Rain is expected to continue for the next day or so before hot and dry conditions return. Portions of the Okefenokee National Wildlife Refuge remain closed.

**Large Fire Map**



**Wildland Fire Incident Management Situation Report**

Source: National Interagency Fire Center – May 24, 2017

**National Preparedness Level 2**

**National Fire Activity**

Initial attack activity:	Light (93 new fires)
New large fires:	0
Large fires contained:	2
Uncontained large fires: **	2
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

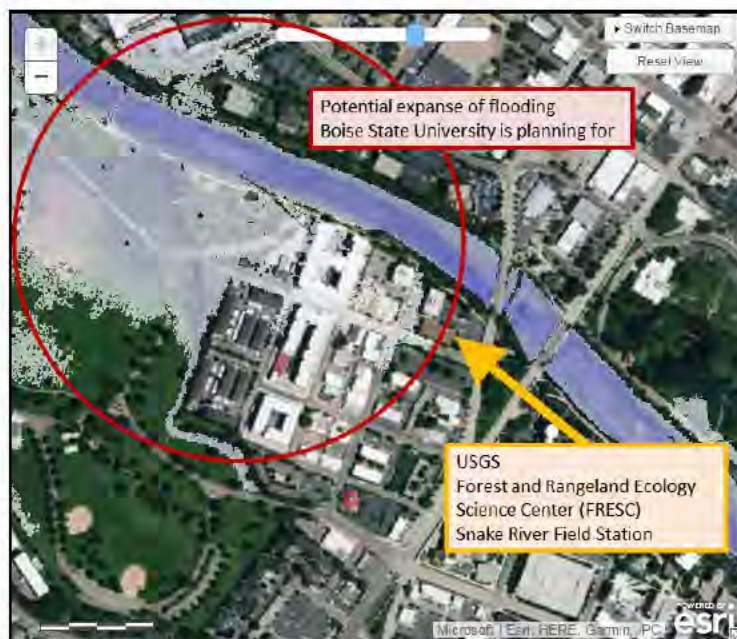
\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **USGS Preparations for Potential Flood Impacts to Facilities in Boise, Idaho**

**Source:** U.S. Geological Survey (USGS) - May 23, 2017

Flooding continues as Idaho's record or near record snowpack (150-200% of normal) continues to melt keeping several rivers and streams above, at, or near flood stage. The National Weather Service has issued Flood Warnings for numerous locations, particularly the Big Wood River, the Boise River, and the Payette River. The USGS Forest and Rangeland Ecosystem Science Center (FRESC) – Snake River Field Office, located on campus of Boise State University in Boise, will potentially be impacted by flooding if levels on the Boise River continue to increase. The following is a summary of the preparations taking place at this time:

- Current river stage and flow is 11.4 feet and 8600 cubic feet per second (cfs).
- Current flows are largely driven by upstream reservoir operations by the U.S. Army Corps of Engineers (USACE).
- The USACE has indicated that the current levels should be maintained.
- The Boise State University Emergency Services Incident Plan is enacted when river levels reach 10,500 cfs.
- Estimates are that at 13,000 cfs, water could begin to impact the USGS FRESC facility.
- USGS FRESC has approximately 47 Federal staff (permanent, term, intern, and temp employees) and 9 non-Federal staff (contract and academic) on site.
- USGS FRESC has coordinated with the USGS Idaho Water Science Center (IDWSC) to provide storage for equipment and records and to provide temporary workspace for employees.
- USGS FRESC has also coordinated with the National Interagency Fire Center (NIFC) to provide additional storage space for equipment and records if needed.
- USGS FRESC has contracted with local moving services to move furniture and equipment if needed.



NWS Image



**USGS Note:** *The above graphic is pulled from the National Weather Service's Advanced Hydrologic Prediction Service inundation mapping catalog for the Boise River at Boise, ID. The graphic shows the potential extent of flooding if the Boise River reaches 13,000 cfs. This graphic is a planning tool only; it does NOT show the current river level or extent of any current observed flooding.*

## **Volcano Activity**

### **Bogoslof Volcano, AK**

**Source:** U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was observed in seismic, infrasound, or satellite data of the Bogoslof Volcano during this reporting period. The volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

**Source:** U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

**Source:** U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 23, 2017

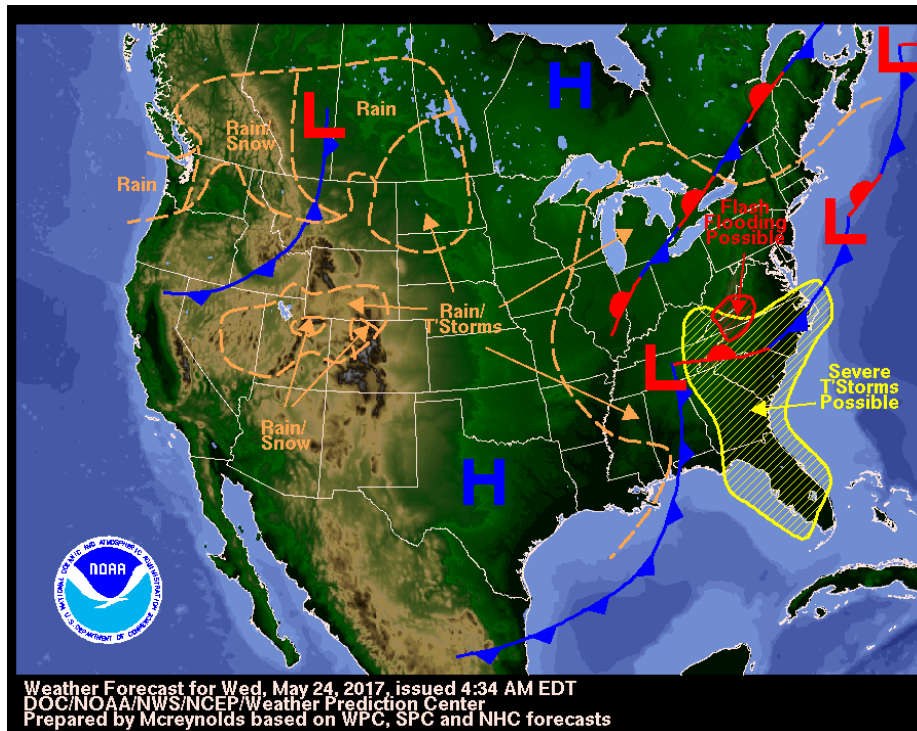
**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. Active surface flows persist above and on the pali, to the southeast of Pu‘u ‘Ō‘ō, but these lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## **Significant National Weather**

*Source: National Weather Service - May 24, 2017*



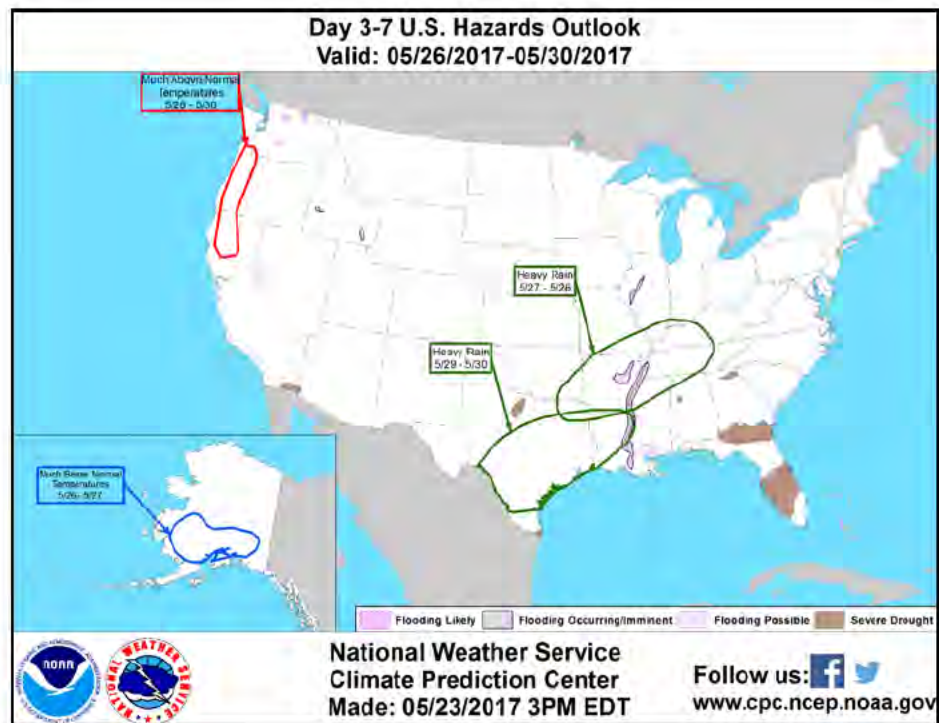
### **Today:**

Rain and thunderstorms will develop today across the Great Lakes, the Northeast, the Ohio Valley, the Midwest, the mid-Atlantic, the Tennessee Valley, and the Southeast. Severe thunderstorms will be possible across a large portion of the Southeast, and isolated severe thunderstorms will be possible as far north as the middle Ohio Valley. Some of these thunderstorms could produce localized areas of heavy rain, and flash flooding will be a concern for portions of southwestern Virginia and the surrounding areas. Showers and thunderstorms are expected for portions of the northern High Plains and the lower elevations of the central Rockies. Rain and snow are likely for the higher elevations of the central Rockies, the northern Rockies, and the Washington Cascades. Elsewhere, light rain is possible for the western sections of Washington State and northwestern Oregon.

### **Tomorrow:**

Rain and thunderstorms will be widespread tomorrow over the Midwest, the Ohio Valley, the Northwest, the mid-Atlantic, the Appalachians, the Carolinas, and southern Florida. Isolated severe thunderstorms will be possible across portions of the mid-Atlantic. To the north, rain will extend from the Great Lakes to northern New England. Rain will be possible across the upper Midwest and in portions of the northern High Plains. Rain and thunderstorms will extend from the central Rockies to the middle Mississippi Valley. Isolated severe thunderstorms will be possible across portions of the central High Plains. Rain and snow are likely for the higher elevations of the central and northern Rockies.

## Weather Hazard Assessment



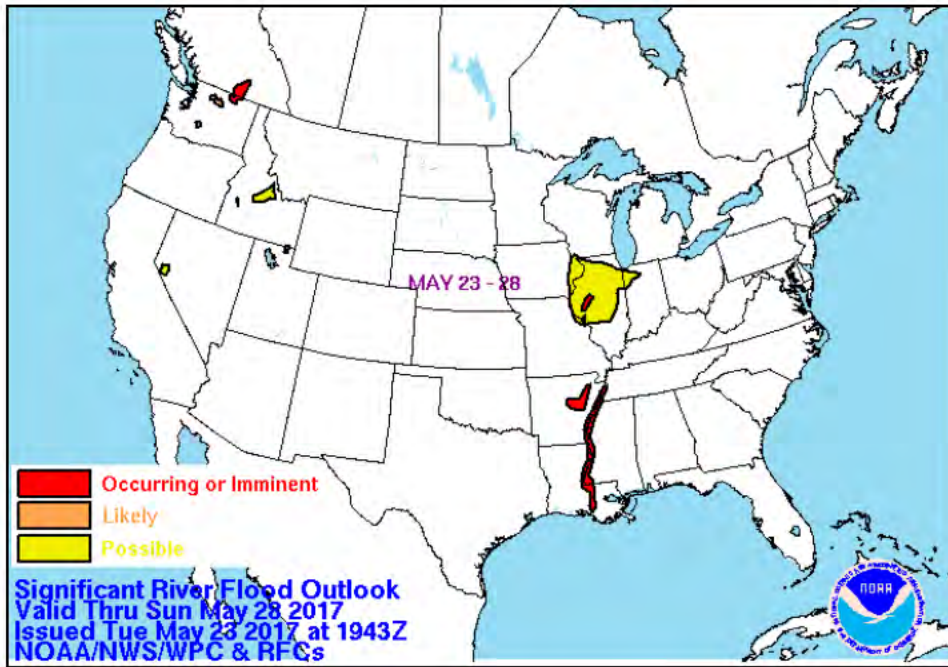
- May 24: Severe drought continues across parts of the Southeast, Texas, and southern California.
- May 26-27: Much below-normal temperatures for parts of south-central and western mainland Alaska.
- May 27-28: Heavy rain for parts southeastern Oklahoma, northeastern Texas, the lower to middle Mississippi Valley, and the Ohio and Tennessee valleys.
- May 28-30: Much above-normal temperatures for parts of western Oregon and northern California.
- May 29-30: Heavy rain for parts of Texas and the lower Mississippi Valley.
- May 31-June 1: A moderate risk of much above-normal temperatures for parts of eastern Washington.
- May 31-June 2: A slight risk of much above-normal temperatures for parts of the Pacific Northwest and northern California.

### Alaska Weather

A Small Craft Advisory is in effect for portions of the central and western Gulf of Alaska, the Barren Islands, St. Matthew Island, the Kuskokwim Delta, the Bristol Bay, the Etolin Strait, the Pribilof Islands, the Shelikof Strait, and the Aleutian Islands. There is a Gale Warning in effect for the central and eastern Aleutians and the eastern Gulf of Alaska. A Wind Advisory is in effect for portions of south-central Alaska.



### Significant River Flooding



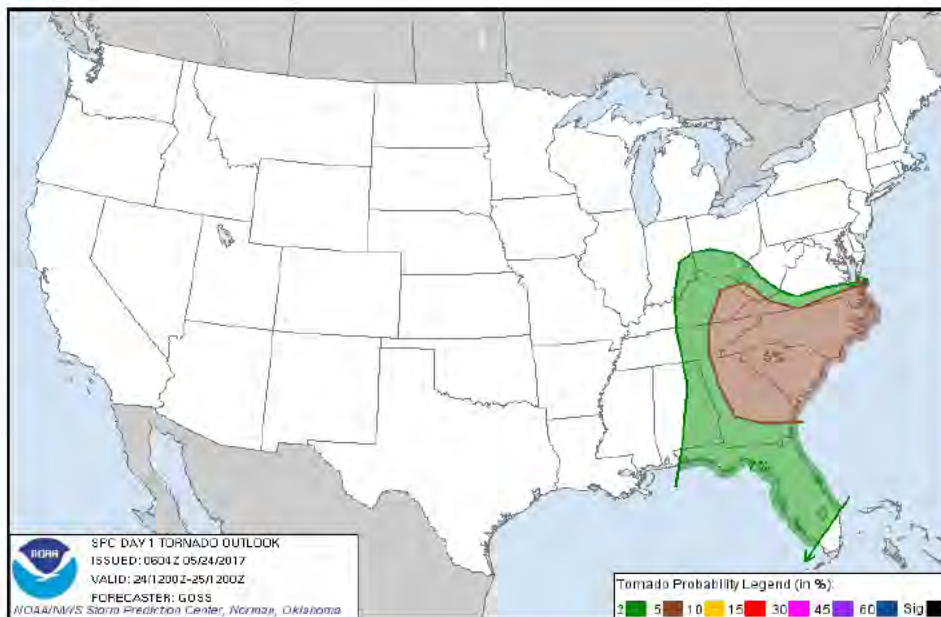
Flooding is occurring or imminent in west-central Illinois, eastern Arkansas, northern Washington, and the lower Mississippi Valley. Flooding is likely in central Idaho, northern Utah, and Washington. Flooding is possible in western Nevada, Idaho, eastern Iowa, northwestern Indiana, and Illinois.

## Severe Weather



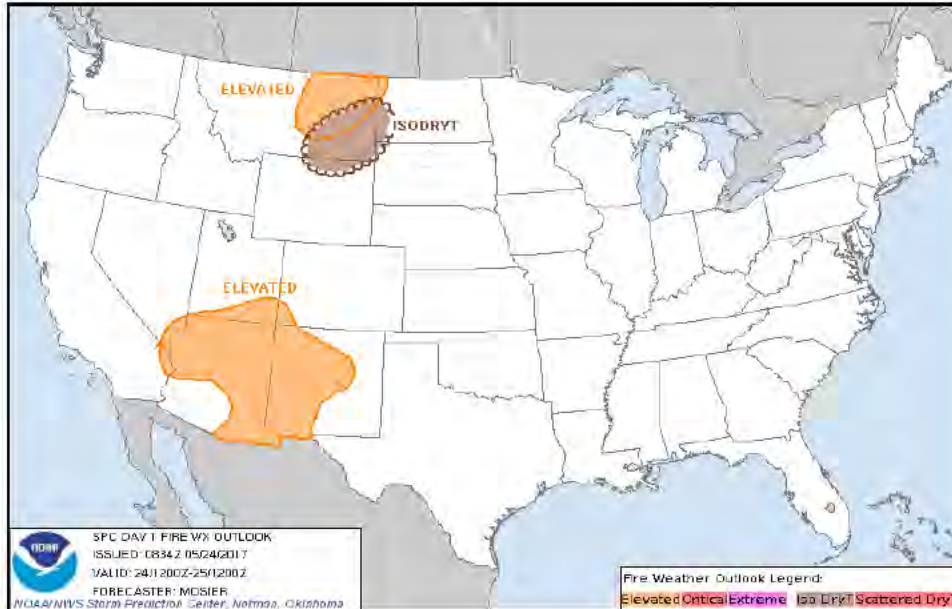
There is a Slight Risk of severe thunderstorms today across a large portion of the Southeast. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area, extending from the Florida Panhandle northward into the Ohio Valley and eastward into the mid-Atlantic.

## Tornado Weather



There is a 5-percent chance of tornado activity today from southwestern West Virginia southward through a large portion of the Southeast. There is a 2-percent chance of tornado activity surrounding the 5-percent area from southeastern Indiana southward into Florida.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for much of eastern Montana, Arizona, New Mexico, southern Utah, southwestern Colorado, southern Nevada, and the southeastern California. Isolated Dry Thunderstorms are forecast for portions of northern Wyoming, eastern Montana, northwestern South Dakota, and western North Dakota.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, May 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

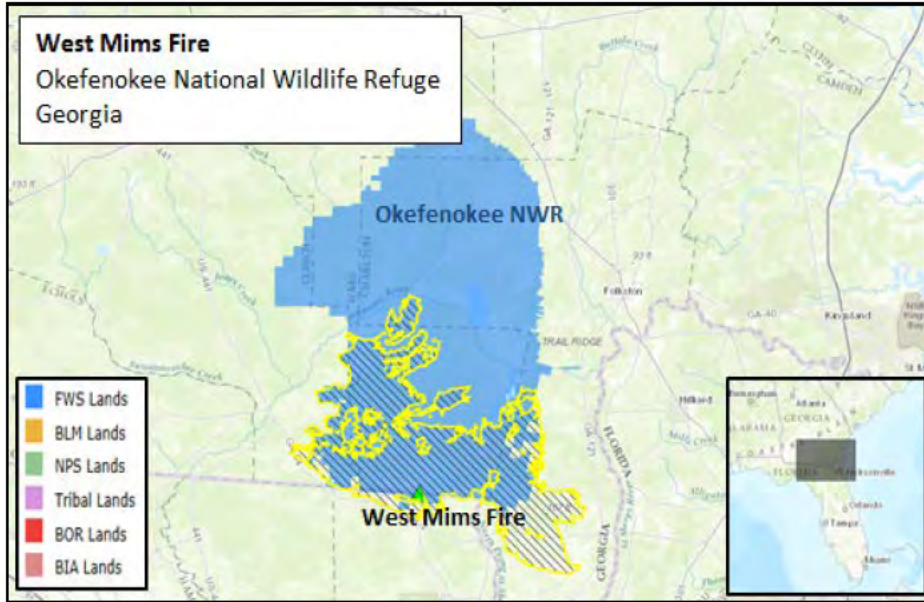
*Source: Fire and Aviation Management Website - May 25, 2017*

## Georgia Fires

### West Mims Fire

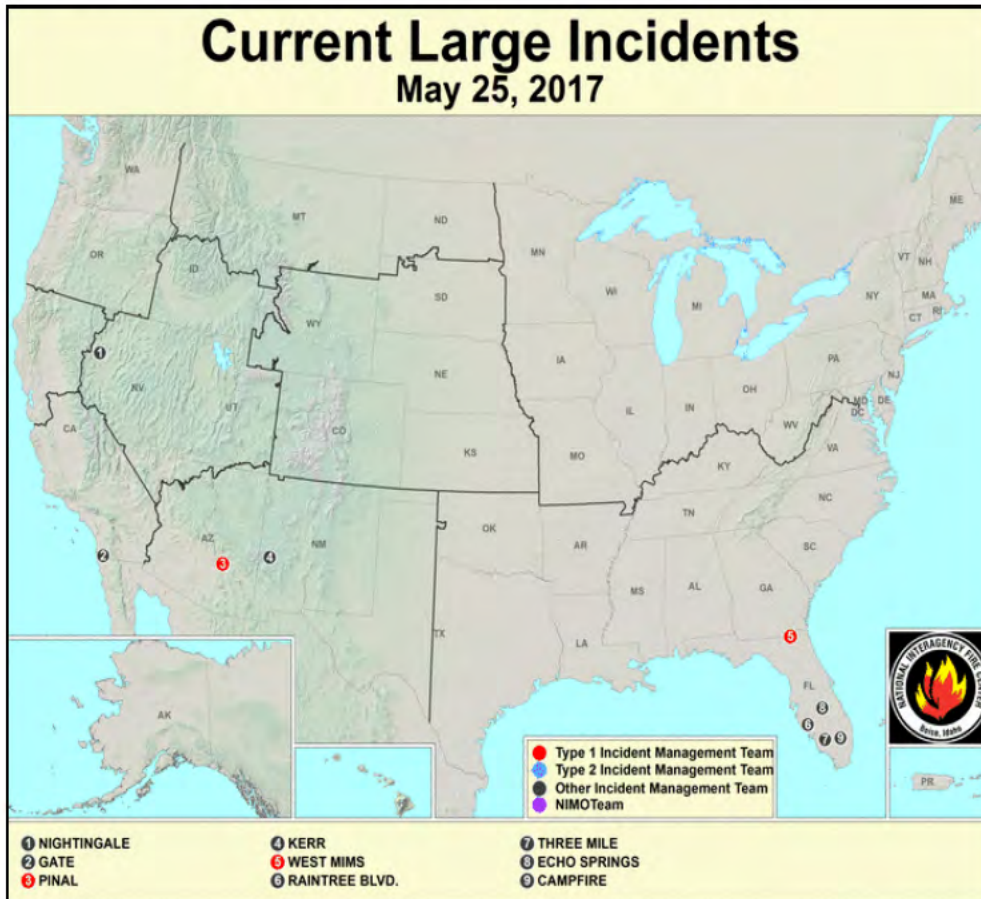
- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,478 (no change)
- Containment: 65-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 792 (-41) / 128 (-7)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal yesterday, and rain occurred across the fire area. Ground fire and smoldering continue in heavy fuels, dozer berms, and silvicultural/logging debris piles. Patchy fog is causing occasional driving and air operation hazards.



IGEMS Image

**Large Fire Map**





## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – May 25, 2017

### National Preparedness Level 2

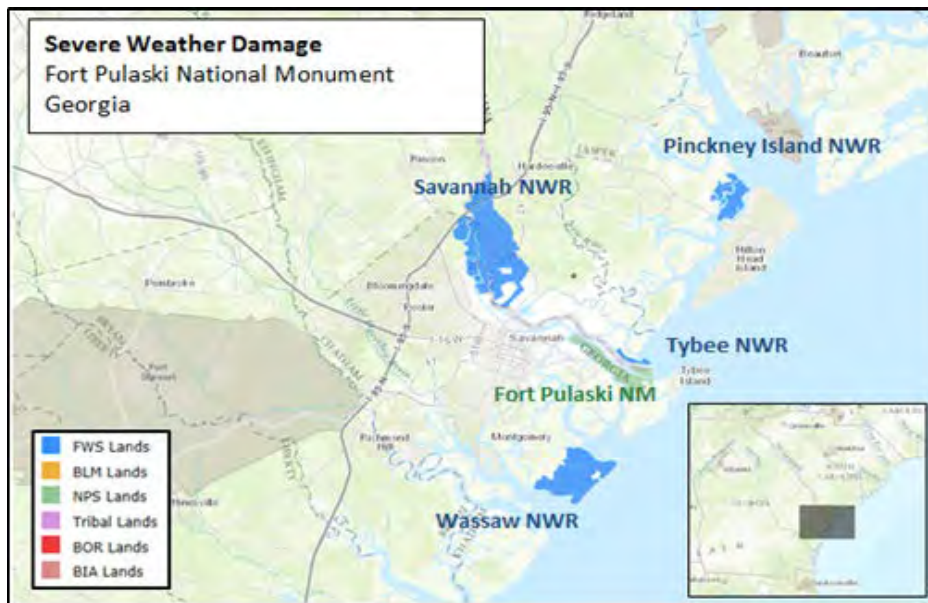
#### National Fire Activity

Initial attack activity:	Light (94 new fires)
New large fires:	1
Large fires contained:	0
Uncontained large fires: **	1
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### ***Severe Weather Damage - Fort Pulaski National Monument, Georgia***

Source: National Park Service and U.S. Fish and Wildlife Service - May 24, 2017



IGEMS Image

On May 23, severe weather (possible tornado) caused damage to the Fort Pulaski National Monument in Georgia, and the National Park Service (NPS) has closed the park until further notice. There were no injuries reported, and all personnel are accounted for. The Fort Pulaski National Monument visitor center sustained roof damage, and an assessment team was on site yesterday to provide a structural assessment and make entry to the building, if conditions allowed. The park's only bathroom facility was destroyed, and damages are also being reported to the fort structure. Additionally, several employee vehicles were damaged during the storm, and power outages are being reported on the eastern portions of the park.

The park is currently working with the NPS Southeast Regional Office and the Emergency Incident Coordination Center (EICC) to deploy a Type-3 Incident Management (Overhead) Team to supplement the Incident Management Team at the Fort Pulaski National Monument. The U.S. Fish and Wildlife Service also has assets in the area, but they are reporting that no damages occurred to any of their facilities.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was observed in seismic, infrasound, or satellite data of the Bogoslof Volcano during this reporting period. The volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. Steam and gas emissions were observed in web camera views of the volcano's summit yesterday afternoon. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. On Wednesday morning, the summit lava lake was about 56 feet below the floor of the Halema'uma'u Crater. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

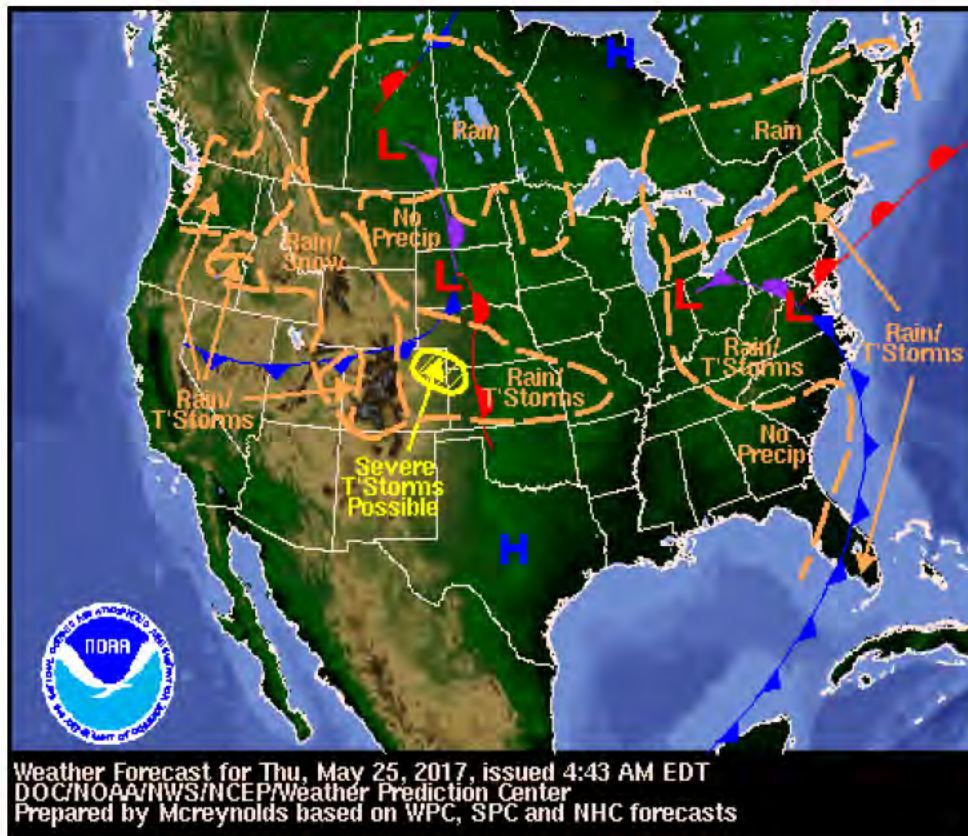
## Earthquake Activity

Source: United States Geological Survey (USGS) - May 24, 2017

The United States Geological Survey (USGS) reported that a magnitude 5.8 earthquake occurred on May 24 at 12:36 p.m. EDT, approximately 100 miles to the east-southeast of Nikolski, Alaska at a depth of 6.8 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. No tsunami was generated.

## Significant National Weather

Source: National Weather Service - May 25, 2017



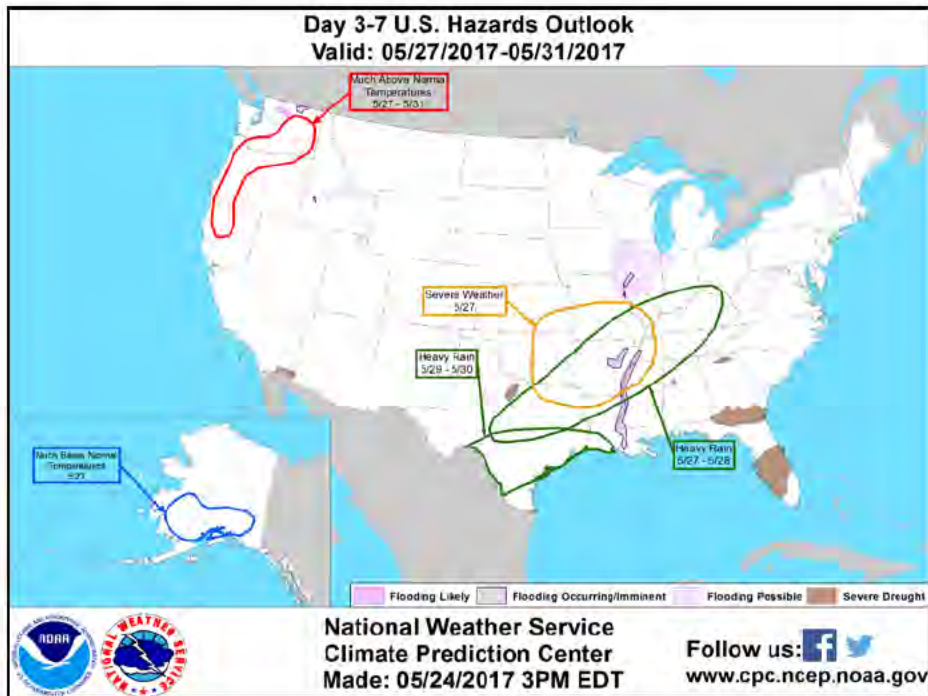
### **Today:**

Rain and thunderstorms are forecast today across the Ohio Valley, the Northeast, the mid-Atlantic, the southern Appalachians, portions of the Carolinas, and the southern half of Florida. Rain will extend from the central Great Lakes into New England and the Canadian Maritimes. Rain and thunderstorms will develop from the foothills of the central Rockies into Missouri. Isolated severe thunderstorms are expected across portions of the central High Plains, and rain is possible across the northern sections of Montana, North Dakota, and Minnesota. Rain and snow are likely for the central and northern Rockies. Scattered showers and thunderstorms will develop over western Colorado, eastern Utah, the Snake River Valley, and east-central Washington State.

### Tomorrow:

Rain will occur tomorrow across parts of the Northeast and New England. Rain and thunderstorms will be possible in parts of southern Florida, the Ohio Valley, the Midwest, the upper and middle Mississippi Valley, and the central Plains. Severe thunderstorms will be possible across the central High Plains into the middle Mississippi Valley and the Ohio Valley. The greatest coverage of severe storms will be from northeastern Colorado into western and central Kansas. Rain and snow will continue across the central and northern Rockies, and rain and thunderstorms will be possible for parts of the Great Basin, the Snake River Valley, and the central Sierras. Rain is forecast for the southern California coastal foothills and mountains.

### Weather Hazard Assessment



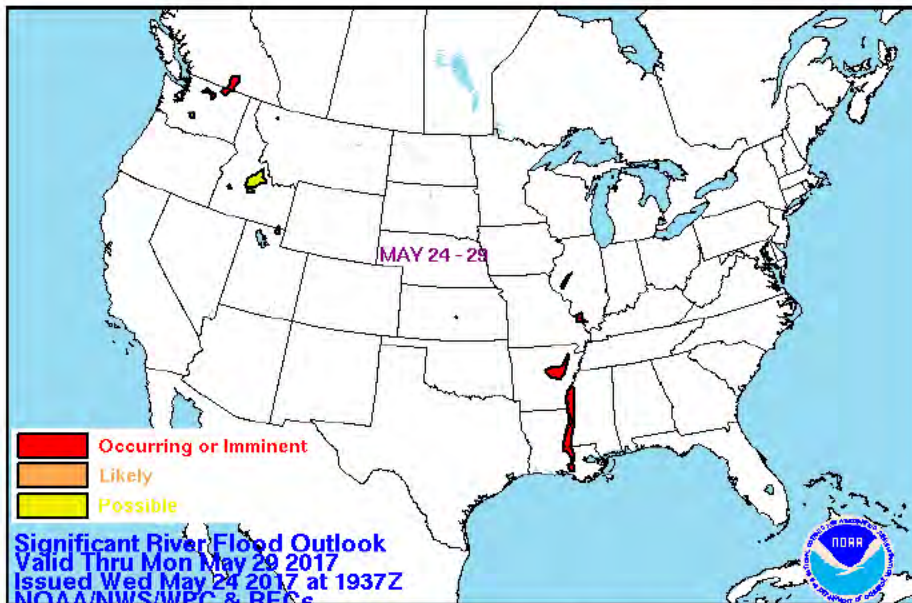
- May 25: Flooding occurring, imminent, or possible in parts of the Midwest, the lower Mississippi Valley, Idaho, Utah, and Washington.
- May 25: Severe drought across parts of the Southeast, Texas, and southern California.
- May 27: Severe weather for southeastern Kansas, eastern Oklahoma, northeastern Texas, the Ozarks, and parts of the middle to lower Mississippi Valley.
- May 27: Much below-normal temperatures for parts of south-central and western Alaska.
- May 27-28: Heavy rain from the Ohio and Tennessee valleys to Texas.
- May 27-31: Much above-normal temperatures for parts of northern California and the Pacific Northwest.
- May 29-30: Heavy rain for parts of Texas and the western Gulf Coast.
- June 1: A moderate risk of much above-normal temperatures for parts of eastern Washington.
- June 1-2: A slight risk of much above-normal temperatures for parts of the Pacific Northwest and northern California.

## Alaska Weather



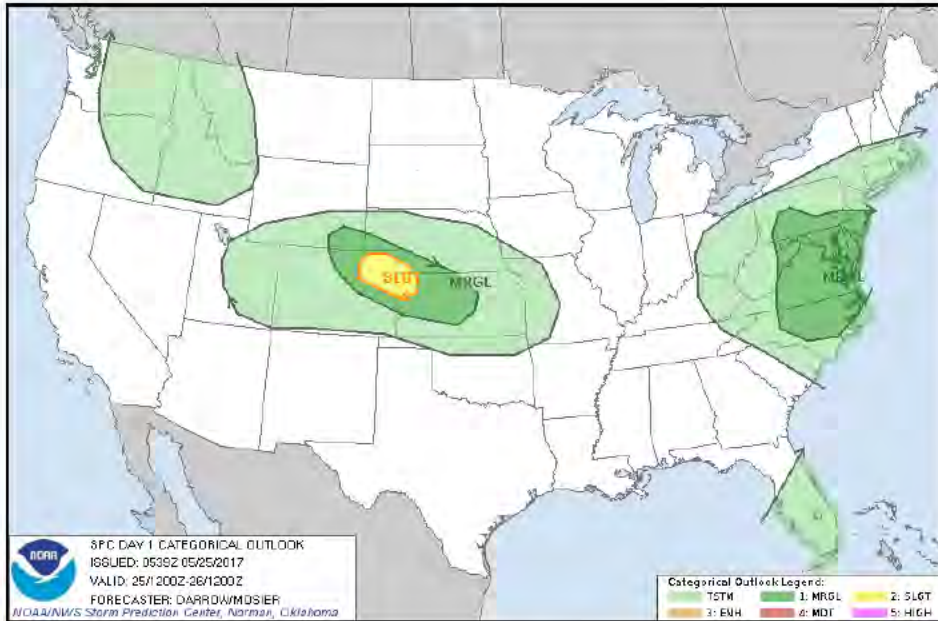
A Small Craft Advisory is in effect for much of the southern and western Alaska coastline and the Aleutian Islands. A Wind Advisory is in effect for portions of south-central Alaska, and the interior of Alaska is experiencing Wind Advisories and snow at higher elevations. There is a Brisk Wind Advisory in effect from Flaxman Island to Demarcation Point.

## Significant River Flooding



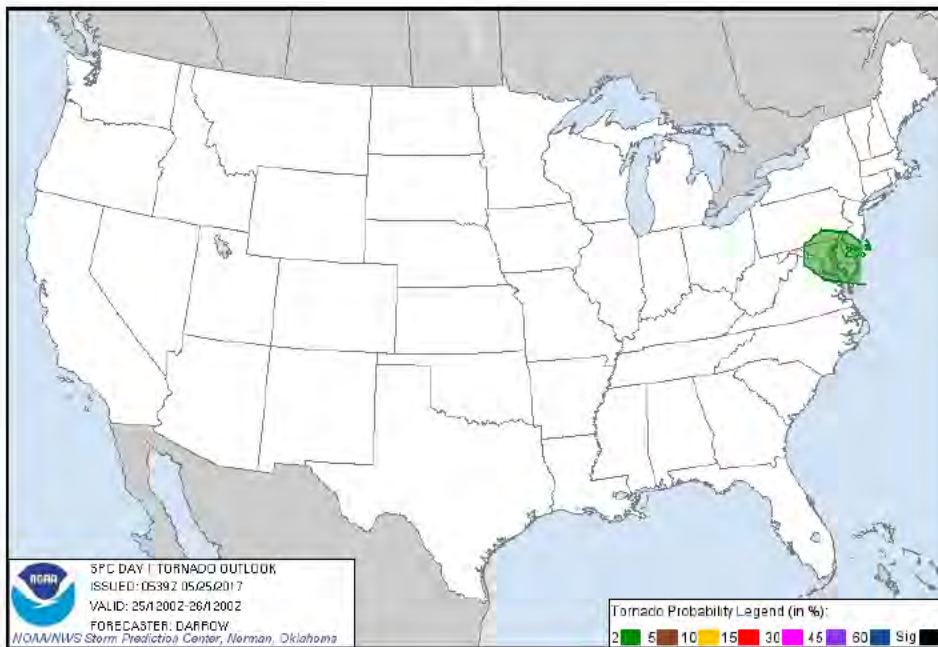
Flooding is occurring or likely in parts of Washington, Idaho, the lower Mississippi Valley, northeastern Arkansas, western Illinois, central Kansas, northwestern Montana, and northern Utah. Flooding is possible in central Idaho.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today across parts of the central High Plains. There is a Marginal Risk of severe thunderstorms from southeastern Wyoming to central Kansas and across the mid-Atlantic region.

## Tornado Weather



There is a 2-percent chance of tornado activity today in portions eastern Virginia, Maryland, Delaware, southern New Jersey, and southeastern Pennsylvania.

## Fire Weather



Critical Fire Weather and Elevated Fire Weather are forecast today for portions of the Southwest and western Texas.

*\*End of Report\**

### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, May 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 26, 2017*

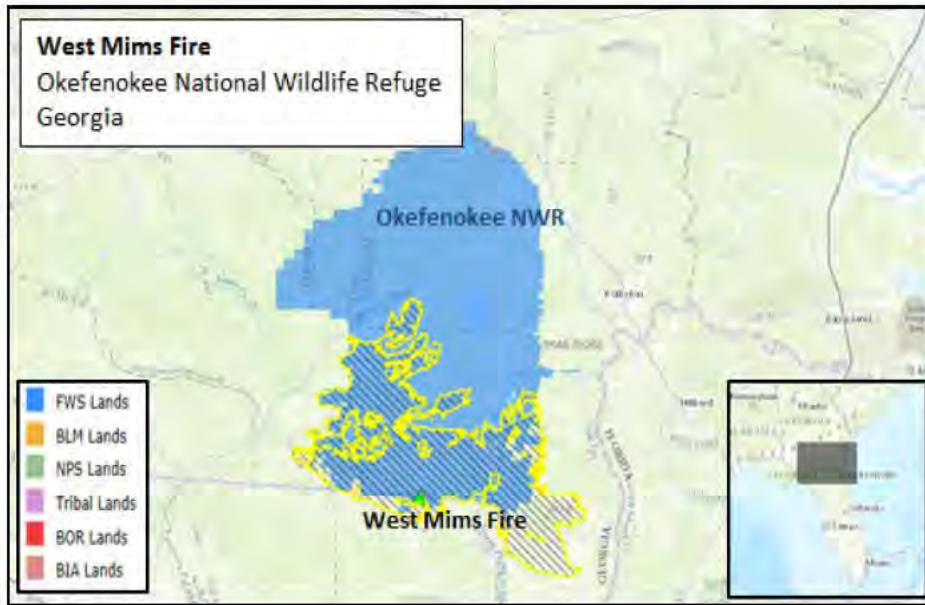
### Georgia Fires

#### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,478 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 777 (-15) / 119 (-9)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: November 1

Comments: A drying trend commenced yesterday, as the weather system that brought widespread rainfall Wednesday moved east of the fire area. Ground fire and smoldering continue in heavy fuels, dozer berms, and silvicultural/logging debris piles.





IGEMS Image

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 21,963 (no change)
- Containment: 87-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 87 (no change) / 57 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 15

Comments: Fire behavior was minimal during this reporting period. Due to the heavy fuel and structure, aviation resources are being utilized to monitor and extinguish any western progression. Ground resources are being utilized where there is access to the fire.



## Arizona Fires

### **Dove Fire (Initial Report)**

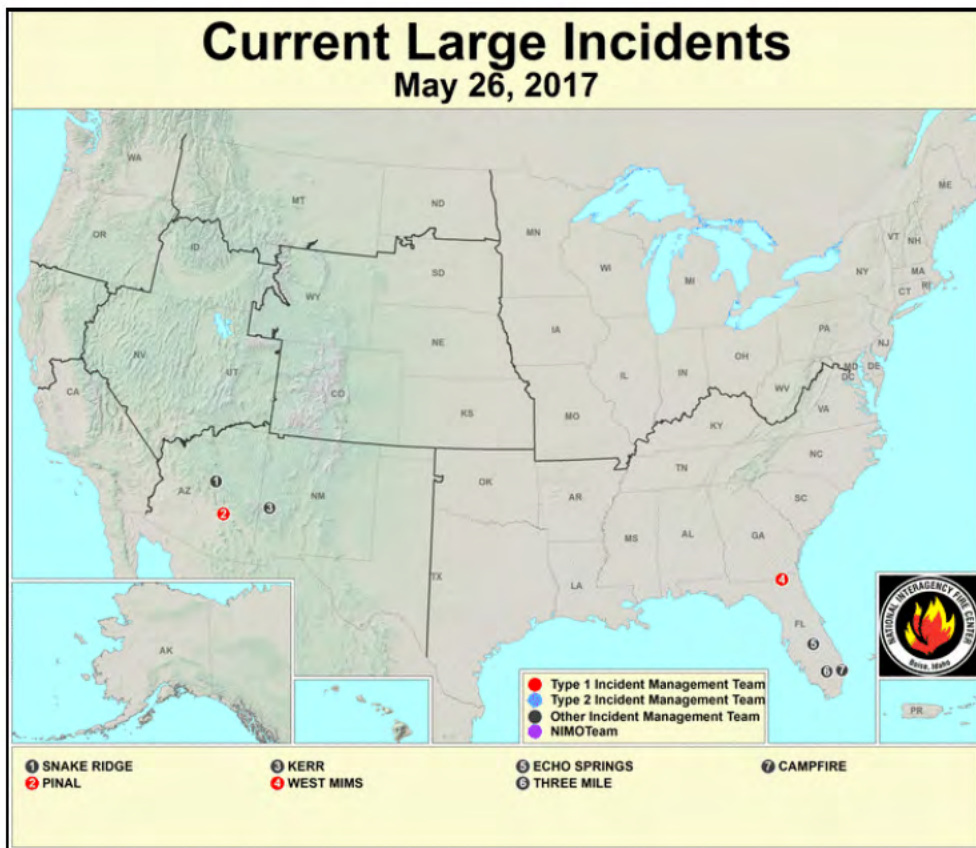
- Start Date: May 9
- Location: Graham County, Arizona
- Burned Acres: 4,000
- Containment: Two-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 81 / 81
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 2 (+1) / 0
- Containment Date: July 20

Comments: Fire behavior was described as moderate. Burnout operations continue southwest and southeast of fire origin. High winds are predicted May 25 and 26.



IGEMS Image

Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – May 26, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (90 new fires)
New large fires:	1
Large fires contained:	0
Uncontained large fires: **	2
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Severe Weather Damage - Fort Pulaski National Monument, Georgia**

*Source: National Park Service - May 25, 2017*

Damage assessments at the Fort Pulaski National Monument continued yesterday following the severe weather that caused damage to portions of the park on May 23. The National Park Service (NPS) is reporting that the park will likely remain closed through the weekend as debris removal and structural repairs continue. An Incident Management Team has been established. If additional personnel are needed, the park will utilize the NPS Emergency Incident Coordination Center (EICC) to fill any unmet needs.

On May 24, the National Weather Service (NWS) sent personnel to the park to observe the damage caused by the storm. Based on initial ground observations, the damage was likely caused by an EF1 tornado, but this has not yet been confirmed.

The NPS is reporting that there were 3 structures that were primarily impacted by the severe weather. These structures include the park's restroom facilities, visitor's center, and the fort itself. Two employee vehicles were also damaged. On May 24, the facilities were inspected by an assessment team composed of park staff, a structural engineer, and an architect. The following damages were noted:

- **Restroom Facility:** The restroom facility is the only sanitary facility on the site, and it received moderate damage from the storm. The roof has been heavily damaged, is currently unstable, and has debris on it. The roof will need to be removed or have extensive repairs. The brick structure of the building has minor damage and is structurally sound at this time. One of the six skylights on the restroom facility was ejected during the storm and was found nearly 1/2 mile away.
- **Visitor's Center:** The visitor's center received moderate damage. The concrete roof survived the winds, but the roof membranes have bubbling and puncture damage and will need to be repaired or replaced. The concrete and brick structure is intact, with minor brick facade damage being observed. During the storm, the western door to the

main visitor's exhibit was forced open, resulting in damage to the hanging roof above the majority of public displays. Several connection points for this hanging ceiling to the building failed causing the inside ceiling to be a hazard. The park is working to remove artifacts and merchandise from concessionaire as needed. Samples from within the visitor's center have been sent off for testing to rule out asbestos hazards inside. The area annexed to visitor's center is structurally sound and it is expected that limited access can be restored in order to support some NPS functions at the park.

- **Fort Pulaski:** The fort itself did sustain some damage to its northwestern corner. Some doors and the northwestern stairwell roof and vent were also damaged. The northwestern powder magazine has a piece of broken stone, which is still in place but in danger of falling. The area has been roped off. There is debris inside of the fort, due to winds, and the flagpole will need to have a structural safety assessment.



*NPS Damage Images*

### **Nevada Spring Flooding Threat to Tribes**

*Source: Bureau of Indian Affairs – May 25, 2017*

#### **General Situation:**

Over the past few weeks, Bureau of Indian Affairs Emergency Management (BIA EM) and the Tribal Assistance Coordination Group (TAC-G) have been assisting Tribes in Nevada because of the threat of flooding, due to the excessive mountain snowpack. Because of warmer weather in the region, there is a possibility of excessive snowmelt that may impact area rivers and waterways, threatening the lives and property of Tribal members, roads, bridges, emergency response, and Tribal infrastructure.

BIA EM is leading efforts in the northern Nevada area to provide disaster response planning and pre-flood technical assistance to the Yerington Paiute, Walker River Paiute, and Fallon/Shoshone Paiute Tribes. Each Tribe is threatened with moderate to major flooding, as predicted by forecasts and weather modeling. The Walker River Basin, Carson River Basin, and Truckee

River Basin have each experienced record snowfall and precipitation that has caused concern from the National Weather Service (NWS) and the United States Geological Survey (USGS). To be able to better monitor the snowmelt and to give additional warning time for the impacted rural and Tribal communities, USGS has recently installed additional flow gauges along the rivers to provide more accurate data on flooding threats.

BIA EM received a request for assistance from the Yerington Chairwoman, Laurie Thom in early May, to provide direct on-site response planning, as their colony is located within the city limits of Yerington, and has been identified as high risk flood zone. 20,000 sandbags from the BIA EM cache has been transferred to the potentially impacted region. BIA EM also shipped a 120 KW generator to the BIA Western Nevada Agency Office, in coordination with the Agency Superintendent and Deputy Superintendent, to be utilized as backup power for Tribes. Additionally, BIA EM has performed the following coordination with the potentially impacted Tribes:

### **Yerington Paiute Tribe**

- Evacuation preparation and data collection to identify access/functional needs, special medical requirements and animals.
- Emergency Protective Measure coordination to clean ditch system along the reservation boundary by the colony to allow water flow volume to increase and reduce the risk of back up and eventual major flooding.
- Sandbag protection of all homes in flood zones.

### **Walker River Tribe**

- Integrated Tribe, County, State, and Federal Response Planning Efforts.
- Coordinate with the Pyramid Lake Paiute Tribe to allocate 5,000 to 8,000 sandbags to the Tribe.
- Coordinated a tribal leaders meeting between Chairwoman Torres and FEMA Region IX Hazard Mitigation Team to discuss adoption of their mitigation plan.

### **Fallon Shoshone Paiute Tribe**

- BIA EM facilitated a tribal leaders meeting with the tribe to discuss possible threats to the community.
- BIA EM, Indian Health Service (IHS), FEMA, and Tribe to develop a contingency for community members on septic systems that may be impacted by water tables rising.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was observed in seismic, infrasound, or satellite data of the Bogoslof Volcano during this reporting period. The volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at the Kīlauea Volcano during this reporting period. On Wednesday morning, the summit lava lake was about 82 feet below the floor of the Halema'uma'u Crater. Generally, low levels of seismicity continue, with amplitudes of volcanic tremor fluctuating with the strength of Lava Lake spattering.

## **Significant National Weather**

*Source: National Weather Service - May 26, 2017*

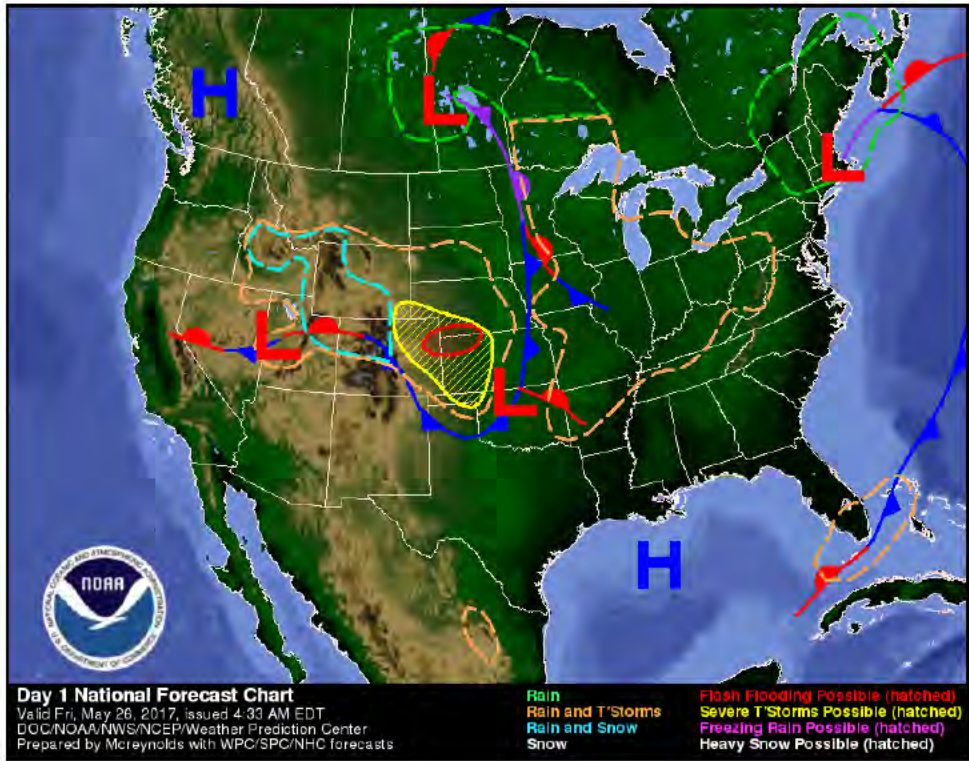
### **Today:**

A storm system draped across the Central U.S. will bring the possibility of severe thunderstorms this afternoon and evening to the High Plains of eastern Colorado, western Nebraska, western Kansas, and the western panhandle of Oklahoma. The primary threats from these storms are large hail and damaging winds. Flashing Flooding is also possible from these storms across

northwestern Kansas, southwestern Nebraska, and northeastern Colorado. This storm system will trigger the chance of rain and thunderstorms as well for mid-Mississippi River Valley, Ohio Valley, and western Great Lakes. The storm system over the Great Basin will bring the chance rain and high elevation snow to the Intermountain West and northern Rockies and an associated cold front lingering over the New England coast will bring the chance of showers to the Northeast and the chance of rain and thunderstorms to the southern third of Florida.

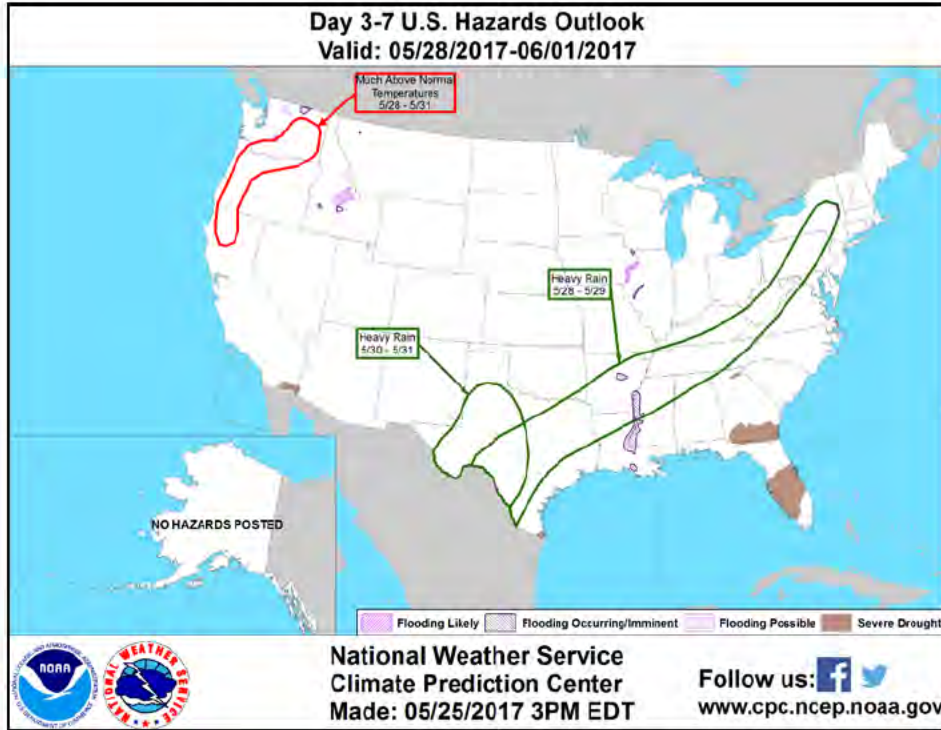
**Tomorrow:**

A storm system over the Central U.S. will move east to the Ohio Valley and intensify, bringing the threat of severe weather and flash flooding to large portion of the eastern half of the country. Severe thunderstorms are possible from central Texas east-northeastward through the mid-Mississippi River Valley, Tennessee River Valley, Ohio Valley, and the mid-Atlantic. The primary threats from these storms are damaging winds, large hail, and a few tornadoes. Flash flooding is possible as well from eastern Oklahoma eastward to the central Appalachians. Storm system over central Canada will bring the chance of rain and thunderstorms to the upper Midwest and the western Great Lakes. The storm system over the Great Basin will remain and continue the chance of rain and high elevation snow for the Intermountain West and northern Rockies. High pressure systems will bring dry conditions to the West Coast and the Gulf Coast.





## Weather Hazard Assessment



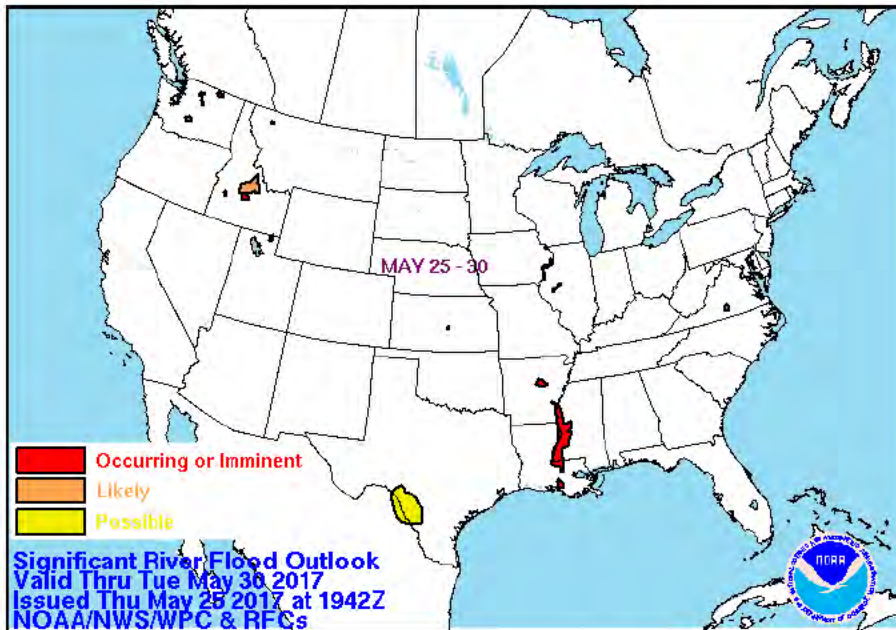
- May 26: Flooding occurring, imminent, likely or possible for parts of the Mississippi Valley, Kansas, the northern and central Intermountain region, and the northern Rockies.
- May 26: Severe drought across parts of the Southeast, Texas, and southern California.
- May 28-29: Heavy rain extending from New England southwest across the Tennessee and lower Mississippi Valleys to Texas.
- May 28-31: Much above-normal temperatures for parts of northern California and the Pacific Northwest.
- May 30-31: Heavy rain for much of western Texas.

## Alaska Weather



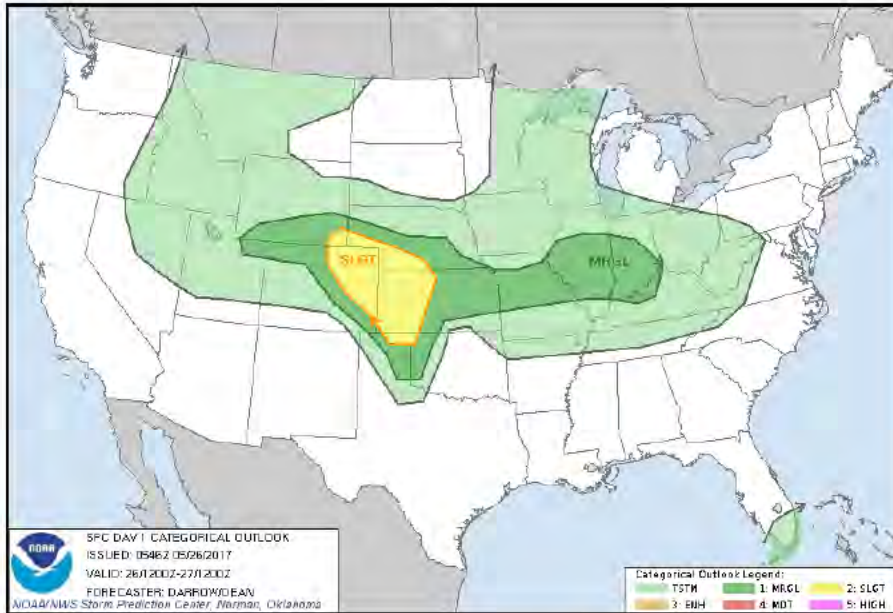
A Small Craft Advisory is in effect for much of the southern and western Alaska coastline and the Aleutian Islands. A Winter Weather Advisory remains in effect for parts of the Alaskan interior.

## Significant River Flooding



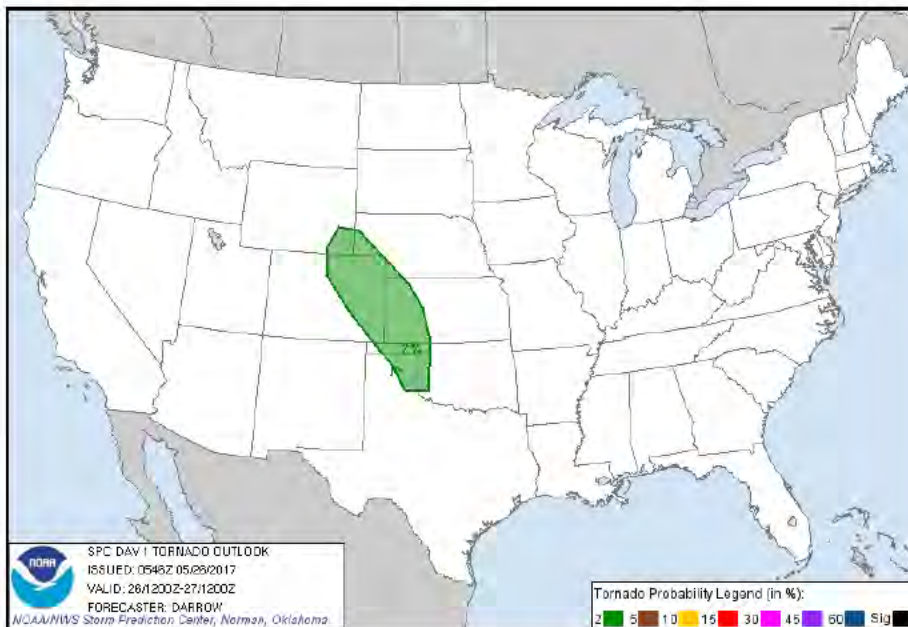
There is Significant River Flooding occurring, imminent or likely for parts of the Mississippi Valley, Kansas, the northern and central Intermountain region, and the northern Rockies. Flooding is also possible in central Idaho and along the southern Texas border.

## Severe Weather



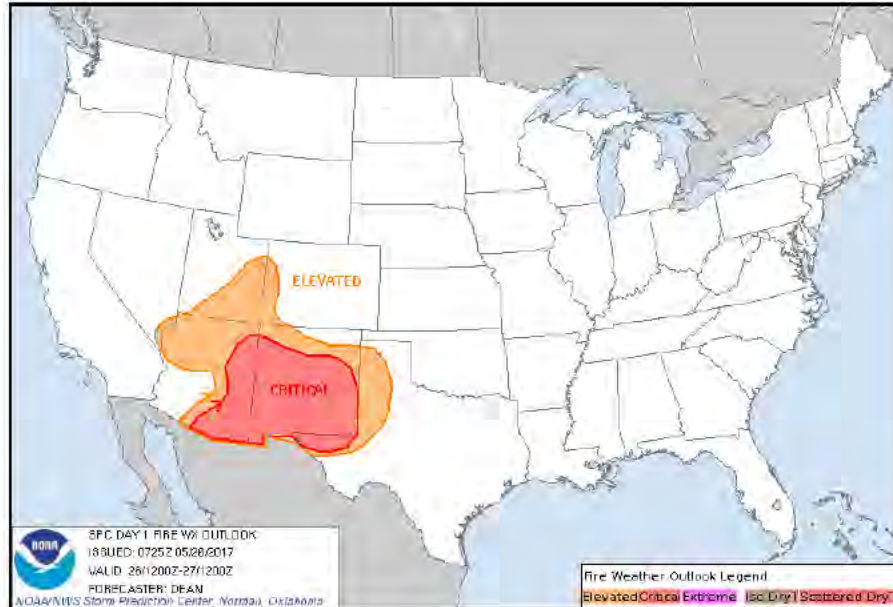
There is a Slight Risk of severe thunderstorm activity today across parts of the High Plains from Colorado to the eastern Oklahoma Panhandle. There is a Marginal Risk of severe thunderstorms from the southern High Plains to Illinois/Indiana.

## Tornado Weather



There is a 2-percent chance of tornado activity across the central Plains, from southeast Wyoming to north Texas.

## Fire Weather



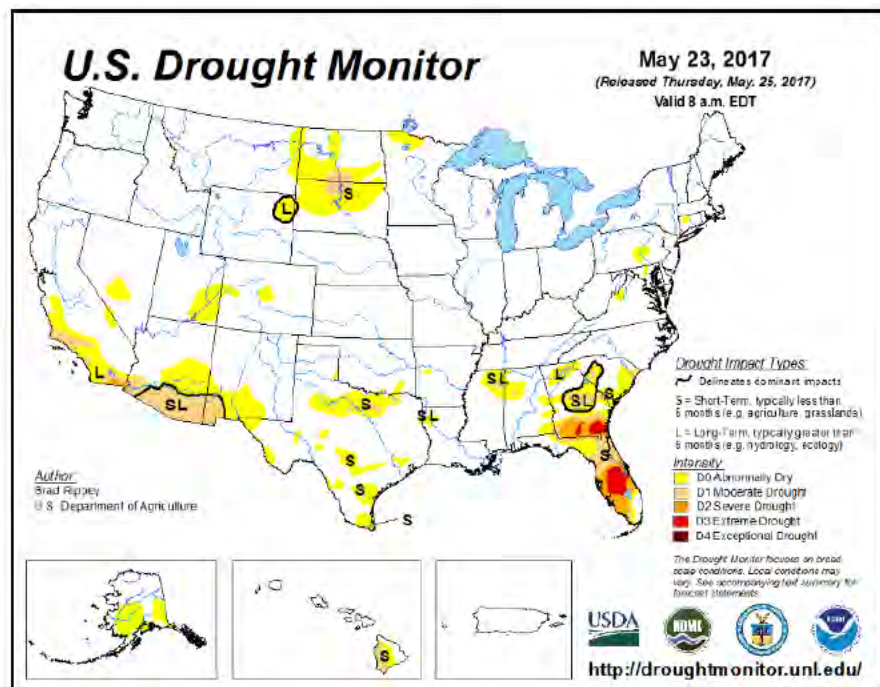
Critical Fire Weather area is for portions of eastern Arizona, much of Mexico and western Texas. The Elevated Fire Weather consists of most of Arizona, southeastern Utah, western Colorado, and western Texas.

## Other News and Notes

### U.S. Drought Monitor

Source: National Drought Mitigation Center - May 25, 2017

From May 16-18, soaking precipitation occurred from the central portions of the Rockies and the Plains into the upper Midwest and in parts of the Southeast it started on May 20. The drought-affected areas of the Southeast, including portions of Alabama and Georgia, experienced substantial relief, with rain still falling when the drought-monitoring period ended on May 23. Farther west, late-season snow blanketed the northern and central Rockies, while streaks of heavy rain largely limited drought development in the south-central U.S. Areas that remained dry included parts of the north-central U.S. and Florida's peninsula, although significant rainfall developed in the latter region after the monitoring period ended on May 23.



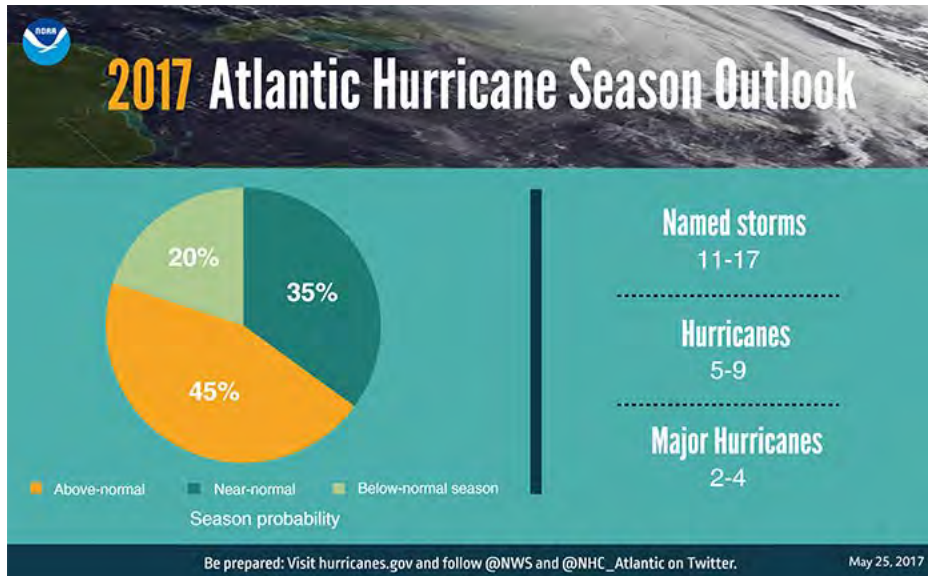
## NOAA 2017 Hurricane Season Outlook

*Source: NOAA Media Release - May 25, 2017*

Forecasters at NOAA's Climate Prediction Center say the Atlantic could see another above-normal hurricane season this year and predicts a 45 percent chance of an above-normal season for the Atlantic hurricane season, which runs from June 1 through November 30, forecasters predict.

Forecasters predict a 70 percent likelihood of 11 to 17 named storms (winds of 39 mph or higher), of which 5 to 9 could become hurricanes (winds of 74 mph or higher), including 2 to 4 major hurricanes (Category 3, 4 or 5; winds of 111 mph or higher). An average season produces 12 named storms of which 6 become hurricanes, including 3 major hurricanes.

NOAA also issued seasonal hurricane outlooks for the eastern Pacific and central Pacific hurricane basins. An 80 percent chance of a near- or above-normal season is predicted for each region. The eastern Pacific outlook also calls for a 70 percent probability of 14 to 20 named storms, of which 6 to 11 are expected to become hurricanes, including 3 to 7 major hurricanes. The central Pacific outlook calls for a 70 percent probability of 5 to 8 tropical cyclones, which includes tropical depressions, tropical storms and hurricanes.



To monitor tropical cyclone activity in the Atlantic and the Eastern and Central Pacific basins, please visit:

- National Hurricane Center (Atlantic and Eastern Pacific): <http://www.nhc.noaa.gov/>
- Central Pacific Hurricane Center: <http://www.prh.noaa.gov/cphc/>

Link to article: <http://www.noaa.gov/media-release/above-normal-atlantic-hurricane-season-is-most-likely-year>

***\*End of Report\****

**Distribution:**

Assistant Secretaries  
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 IOS Senior Officials  
 Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, May 30, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - May 30, 2017*

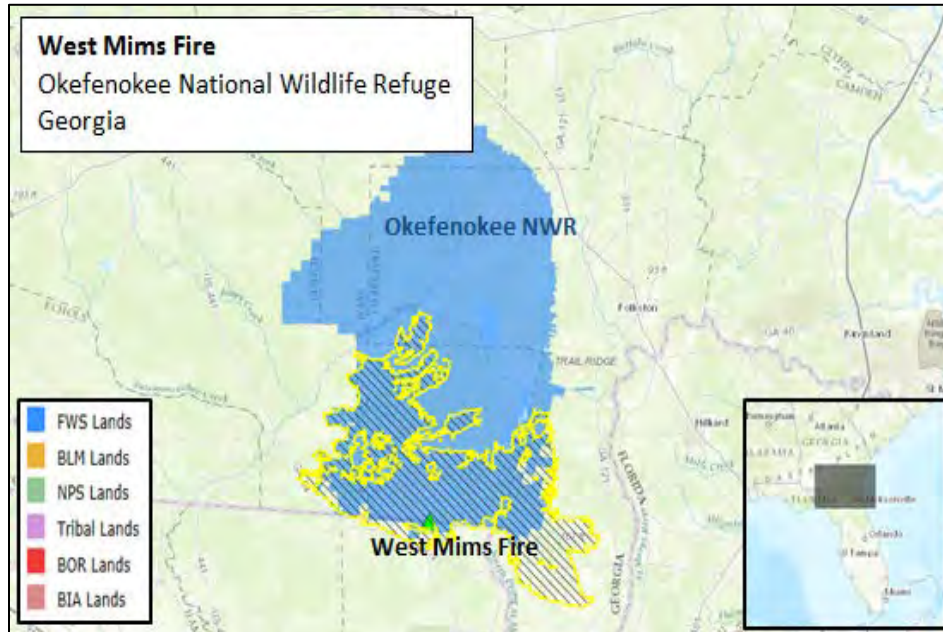
The **Dove Fire** (Arizona) and the **Cowbell Fire** (Florida) have not been updated since May 25; therefore, the fires will not be summarized in today's report.

## Georgia Fires

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (+37)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 598 (-179) / 112 (-7)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 7 (+1) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this observation period, but fire activity could increase over the next couple of days due to the presence of dry fuels and possible thunderstorm activity. Accessibility to the fire remains limited, and incident roads are requiring constant maintenance in order to remain useable. The main entrance to the Okefenokee National Wildlife Refuge remains closed.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – May 30, 2017

### National Preparedness Level 2

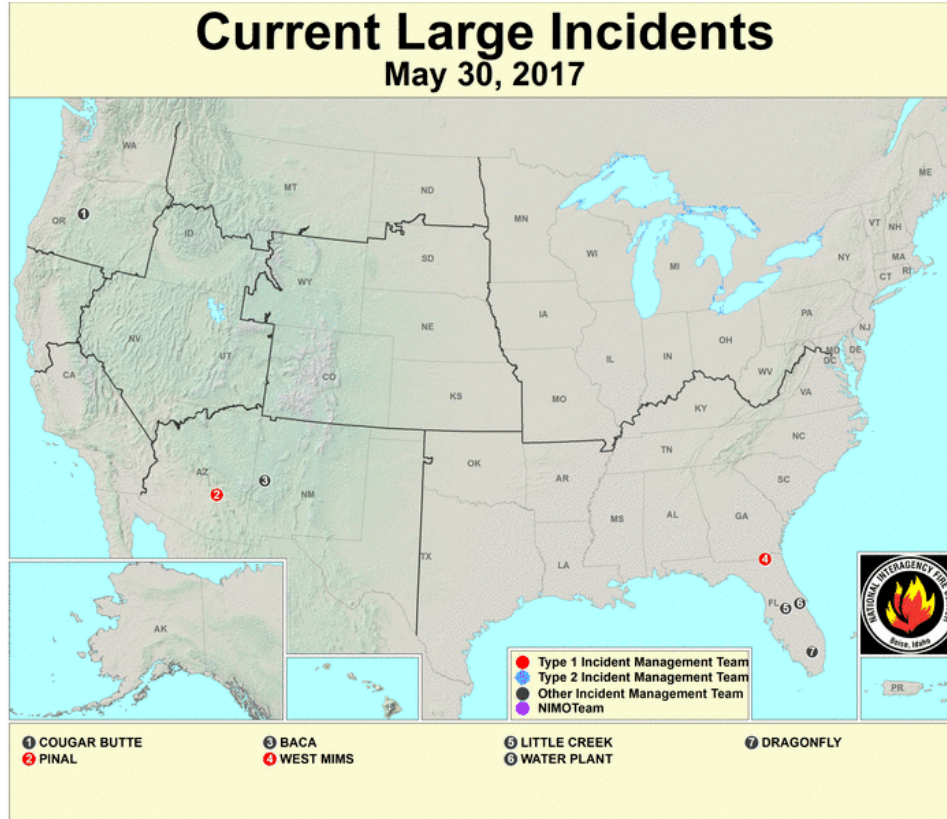
#### National Fire Activity

Initial attack activity:	Light (78 new fires)
New large fires:	1
Large fires contained:	1
Uncontained large fires: **	2
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## Large Fire Map



## Volcano Activity

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 29, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

There have been no new volcanic emissions observed at the Bogoslof Volcano since the May 28 eruption, and no activity has been observed in seismic, infrasound, or satellite data. Pilot reports indicated that a volcanic cloud was observed drifting to the northeast of the Bogoslof Volcano following the eruption. The volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 29, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

**Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 29, 2017*

**Alert Level = WATCH****Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change in either eruption. The summit lava lake was observed to be about 66 feet below the floor of Halema‘uma‘u Crater on Monday morning, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above and at the base of the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

**Earthquake Activity**

*Source: U.S. Geological Survey – May 29, 2017*

The United States Geological Survey (USGS) reported that a magnitude 5.3 earthquake occurred on May 29, at 10:18 p.m. EDT, approximately 70 miles to the west-southwest of Anchorage, Alaska at a depth of 48.7 miles. No PAGER Alert was issued for this earthquake, and no tsunami was generated.

The USGS reported that a magnitude 6.8 earthquake occurred on May 29, at 10:35 a.m. EDT, approximately 16 miles to the west-northwest of Kasiguncu, Indonesia at a depth of 5.7 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for damages and injuries. No tsunami was generated.

The USGS reported that a magnitude 5.5 earthquake occurred on May 28, at 3:06 a.m. EDT, approximately 54 miles to the east of Adak, Alaska at a depth of 31.5 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for damages and injuries. No tsunami was generated.

**Significant National Weather**

*Source: National Weather Service - May 30, 2017*

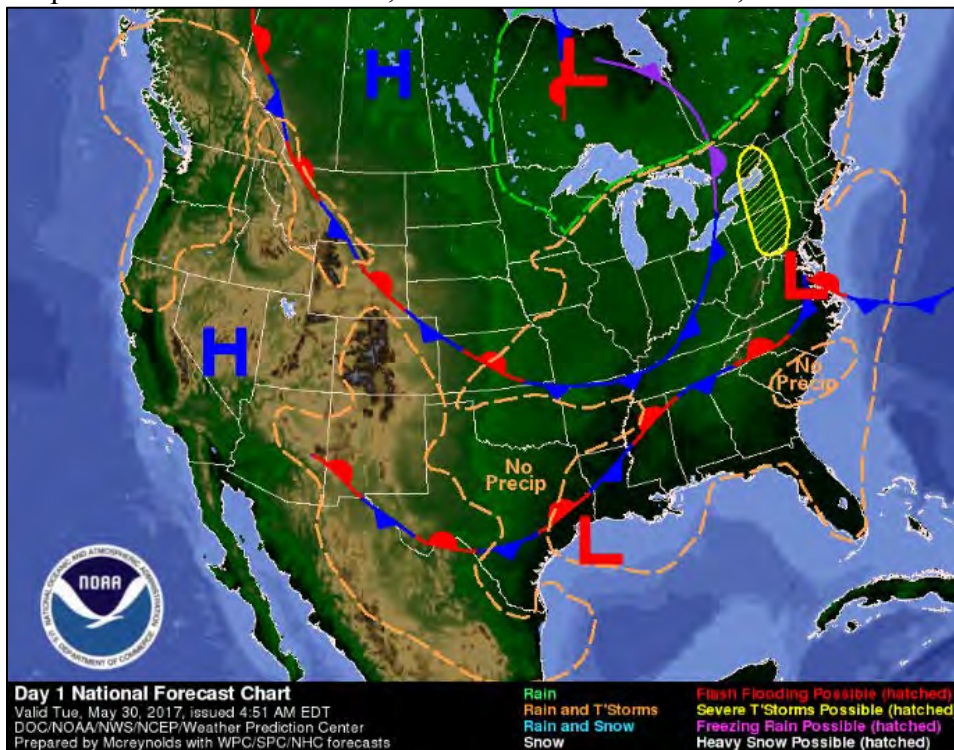
**Today:**

An area of low pressure moves across the mouth of the Chesapeake Bay, while its associated stationary frontal boundary extends across the South to south Texas and into the Rio Grande

Valley. Another frontal boundary stretches from the eastern Great Lakes into the Ohio and Tennessee valleys, then back to the western Great Plains. Rain and thunderstorms will develop across New England, the Northeast, the Ohio Valley, the Midwest, the southern Appalachians, the Deep South, and portions of the Southeast. Severe thunderstorms, capable of large hail, damaging winds, and perhaps a tornado, are possible from the southern Great Lakes to North Carolina. There is a potential for rain showers across portions of the upper Midwest, northern Great Lakes, and Ontario. Scattered showers and thunderstorms will develop from the Rio Grande Valley into parts of the Four Corners and central Rockies. More showers and thunderstorms will develop from northern California into British Columbia and across portions of the northern Rockies.

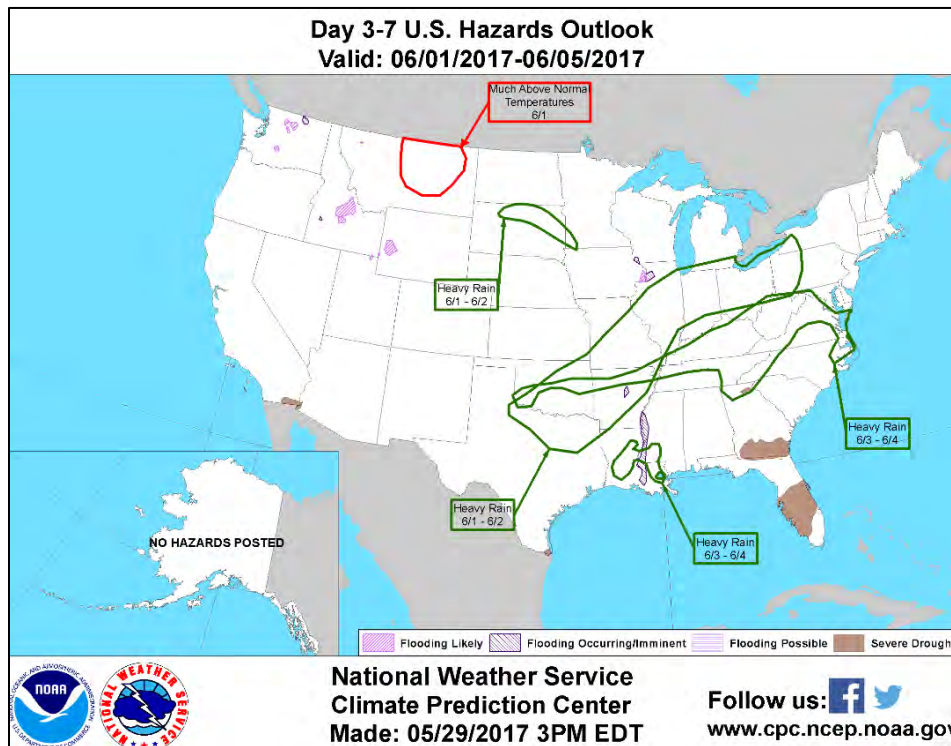
**Tomorrow:**

A frontal boundary continues to stretch from the mouth of the Chesapeake Bay to the lower Mississippi Valley then back to the Upper Rio Grande Valley. Additionally, another frontal system will extend from the eastern Great Lakes into the mid-Mississippi Valley and high western Great Plains. Rain and thunderstorms will develop from eastern Canada through New England, the Northeast, the Appalachians, and along the East Coast to Florida and the lower Mississippi Valley. Marginally severe thunderstorms with strong wind gusts and hail are possible across parts of the Northeast. Rain and thunderstorms will also develop across parts of the central Plains, and from Texas to the central Rockies. Marginally severe thunderstorms with strong wind gusts and hail will be possible across parts of the central Plains and Ozarks. Heavy rain and flash flooding is forecast to develop across west Texas and the central Rio Grande Valley. A Pacific frontal system will approach the Pacific Northwest. Rain showers are expected from western British Columbia to northwest California. Showers and thunderstorms are possible across the Sierras, Inter-mountain Northwest, and northern Rockies.



## Weather Hazard Assessment

- May 30: Severe drought across parts of the Southeast, southern Texas, Arizona, and southern California.
- May 30: Flooding is occurring, imminent, likely, or possible for parts of the Mississippi Valley, the northern and central Intermountain region, and the northern Rockies.
- June 1: Much above normal temperatures for parts of the northern Plains.
- June 1-2: Heavy rain for parts of the northern Plains and the upper Mississippi Valley.
- June 1-2: Heavy rain for parts of the central and southern Plains, the lower and middle Mississippi Valley, the Ohio Valley, the Great Lakes, and the central Appalachians.
- June 3-4: Heavy rain for parts of the southern Plains, the middle and lower Mississippi Valley, the Tennessee and Ohio valleys, the southern and central Appalachians, and the mid-Atlantic.



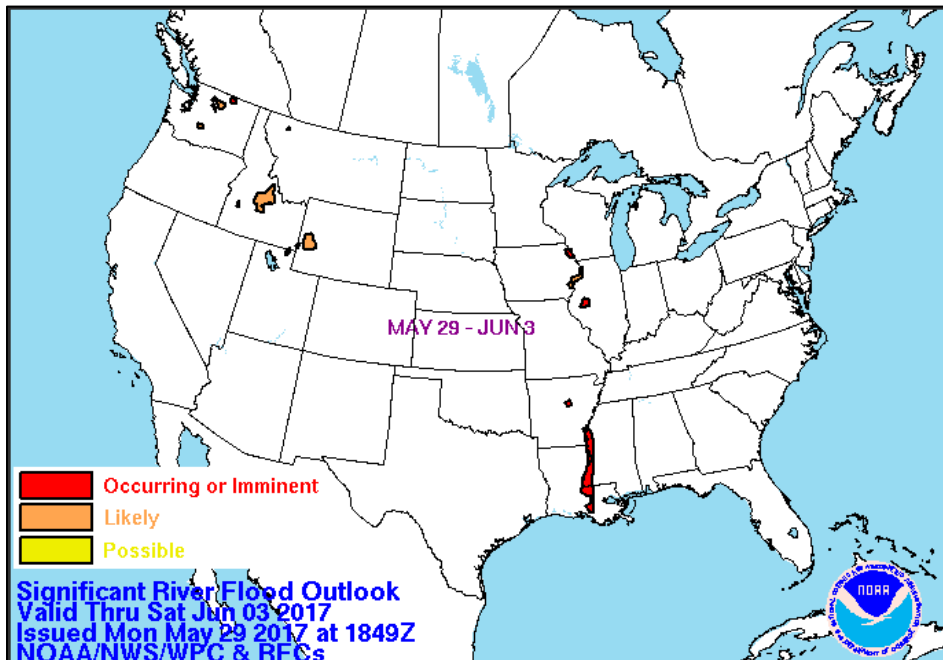
## Alaska Weather

A Small Craft Advisory is in effect for portions of the western Gulf of Alaska, the Shelikof Strait, the central Aleutians, and the western Aleutians. There is a Brisk Wind Advisory in effect from Point Franklin to Demarcation Point on Alaska's northern coastline, and a Wind Advisory is in effect for parts of southeastern Alaska.



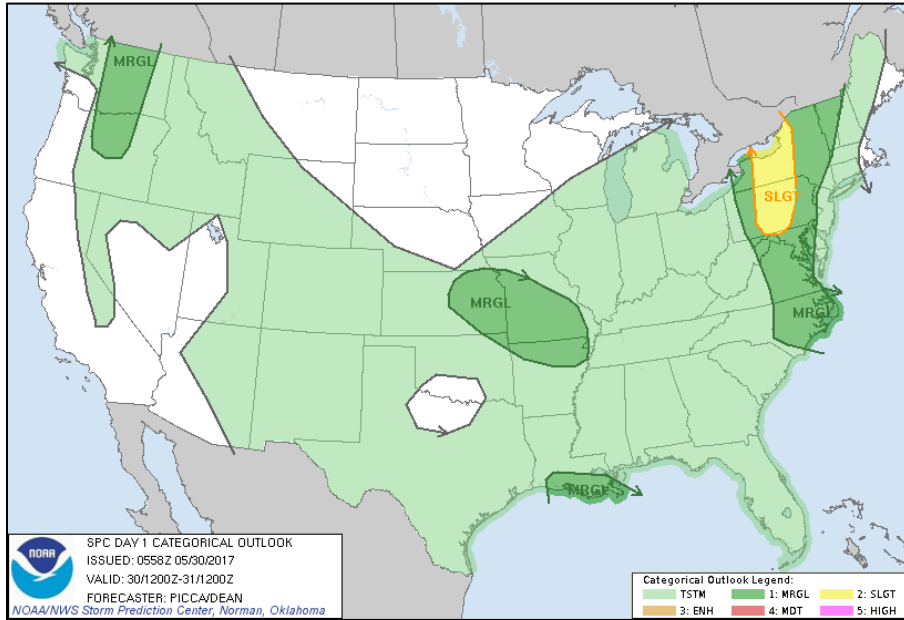
### Significant River Flooding

Significant River Flooding is occurring or likely today in portions of the lower Mississippi Valley, central Arkansas, western Illinois, eastern Iowa, western Wyoming, northern Utah, Idaho, northwestern Montana, and Washington.



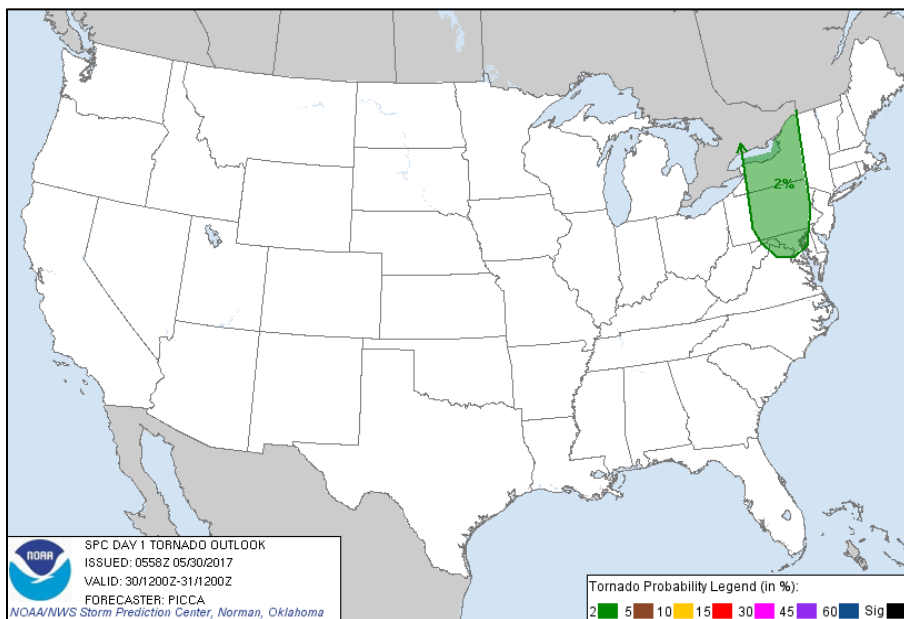
## Severe Weather

There is a Slight Risk of severe thunderstorm activity today across parts of central New York and Pennsylvania. There is a Marginal Risk of severe thunderstorms from the Northeast to the Carolinas, across the Louisiana coast, from the central Plains to the Ozarks, and across the Pacific Northwest.



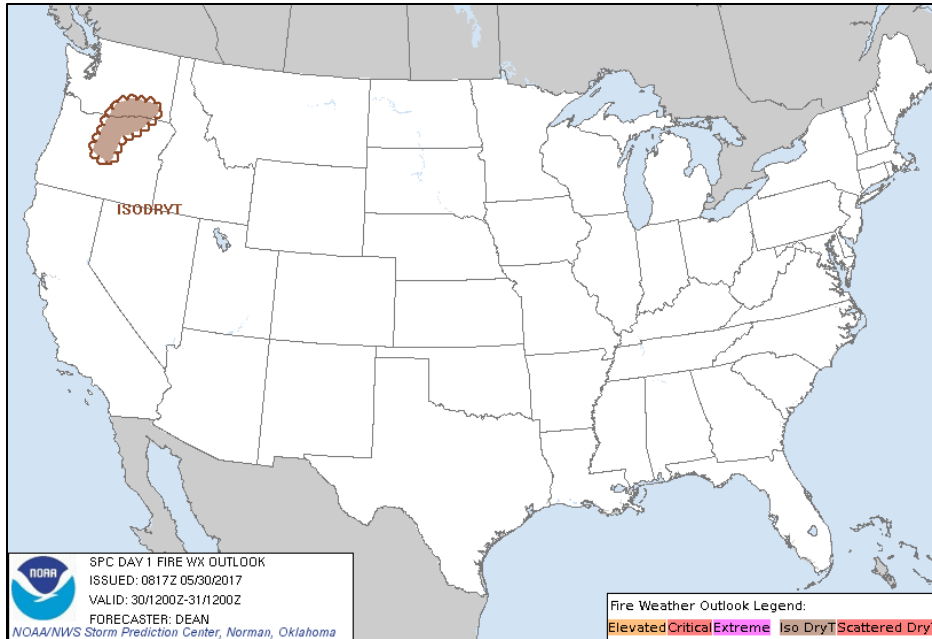
## Tornado Weather

There is a 2-percent chance of tornado activity today across parts of northern Virginia, northeastern West Virginia, Maryland, Pennsylvania, and New York.



## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.; however, there are Isolated Dry Thunderstorms forecast for parts of central Oregon and southern Washington.

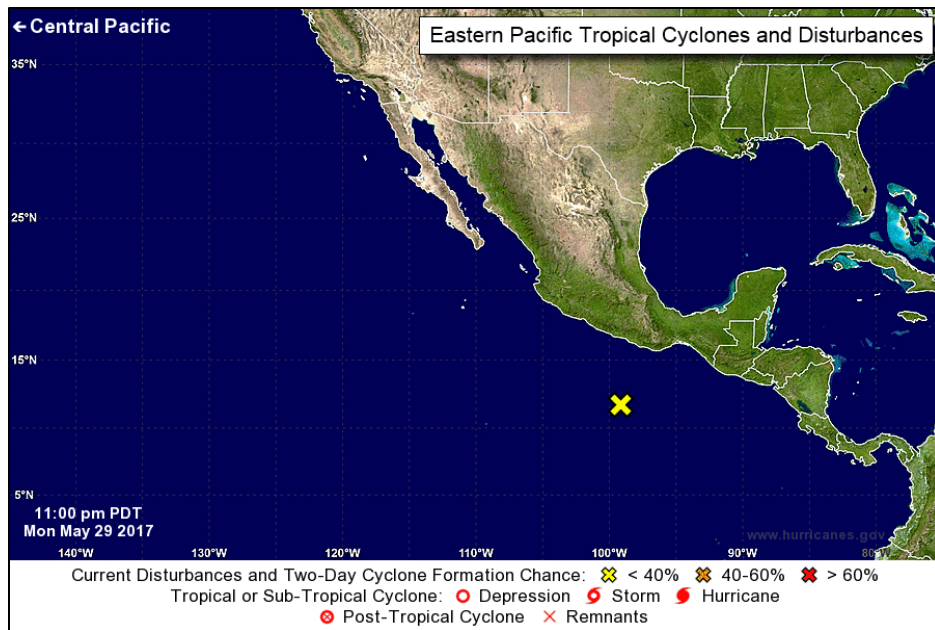


## Tropical Weather

Source: National Weather Service/National Hurricane Center - May 30, 2017

### Eastern Pacific Ocean

A broad area of low pressure, extending to the southwest of the Gulf of Tehuantepec off the coast of southeastern Mexico, is producing disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for some gradual development during the next several days while the low pressure system moves generally northward. This system has a 30-percent chance of developing into a tropical cyclone during the next 48 hours.



*\*End of Report\**

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, May 31, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - May 31, 2017](#)*

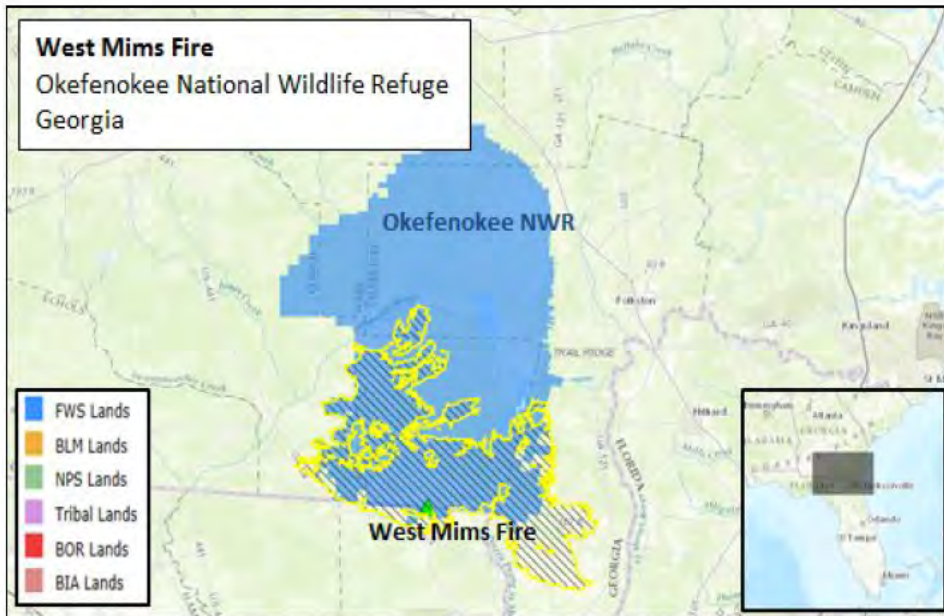
### Georgia Fires

#### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 522 (-76) / 108 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (+1) / 0 (no change)
- Containment Date: November 1

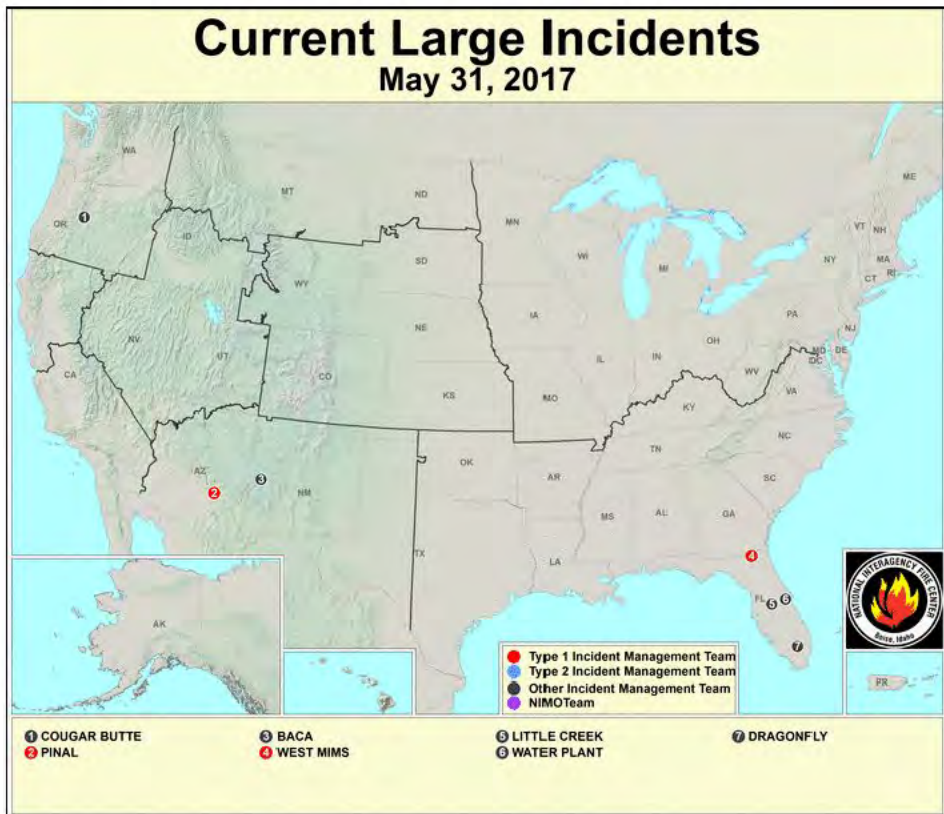
Comments: Minimal fire activity was observed during this reporting period, with the fire creeping and smoldering. Dry fuels, combined with the potential for thunderstorms, may result in an increase in fire activity over the next day or so. Area, trail, and road closures remain in

effect, and portions of the Okefenokee National Wildlife Refuge remain closed to the public. Approximately 32,180 acres of private timberland have been either damaged or destroyed by the fire.



IGEMS Image

**Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – May 31, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (158 new fires)
New large fires:	3
Large fires contained:	1
Uncontained large fires: **	5
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, but no activity was observed in seismic, infrasound, and satellite data of the volcano during this reporting period. Sulfur dioxide gas from the May 28 eruption continues to be observed in satellite data near the border of Alaska, the Yukon Territory of Canada, and over the Bering Strait. The volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## Kilauea Volcano, HI

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 30, 2017*

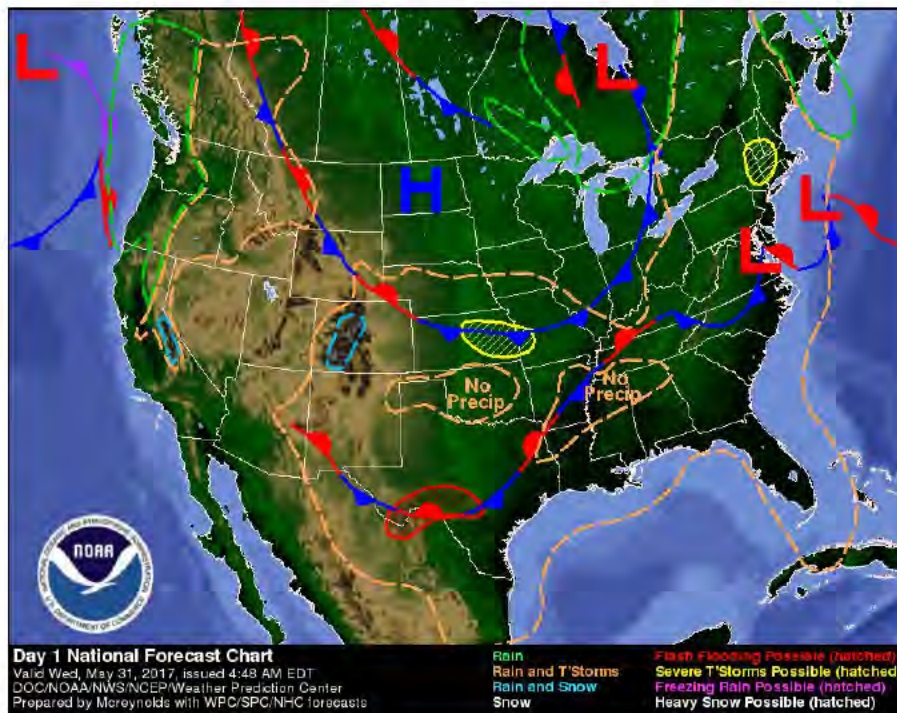
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kilauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above and at the base of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

*Source: National Weather Service - May 31, 2017*



## Today:

Rain and thunderstorms will develop from New England through the Appalachians and East Coast, to the Southeast and Gulf Coastal region. A few severe thunderstorms capable of strong, damaging winds and large hail will be possible from parts of New England southward to the mid-Atlantic. Showers and thunderstorms will be scattered across the central and southern Plains and portions of the Four Corners. Strong to severe thunderstorms will be expected from the central High Plains to the Ozarks. Additional isolated, strong to marginally severe, thunderstorms will also be possible across southwestern Texas. Portions of the central Rio Grande Valley and south-central Texas could produce flash flooding. Rain and snow will

develop across parts of the Colorado Rockies. A Pacific storm system will approach the Northwest coastal region. Rain and thunderstorms will be possible through the northern Rockies to the central Sierras. A few isolated, strong to marginally severe, thunderstorms will also be possible across the northern Rockies. Rain and snow is likely for the highest elevations of the central Sierras.

### Tomorrow:

Rain and thunderstorms will continue across New England and parts of the Northeast. Rain will extend from the northern Great Lakes into Quebec. Rain and thunderstorms, a few which could be strong with hail, will develop across the middle Mississippi Valley and Midwest. Rain and thunderstorms will be possible for the Southeast coastal regions, Florida, the Gulf coastal states, and the southern Plains. Marginally severe thunderstorms with strong wind gusts and hail will be possible tomorrow in the late afternoon and early evening across parts of the southern Plains. Rain and thunderstorms are expected across the Rockies and inter-mountain Northwest.

### Weather Hazard Assessment



- May 31: Severe drought across the Southeast, southern Texas, Arizona, and southern California.
- June 2-3: Heavy rain across portions of the northern Plains.
- June 3: Heavy rain from the southern Great Plains to the Ohio Valley.
- June 4-5: Heavy rain from the Gulf Coast to the mid-Atlantic and the Northeast.
- June 5: Heavy rain across portions of Florida.

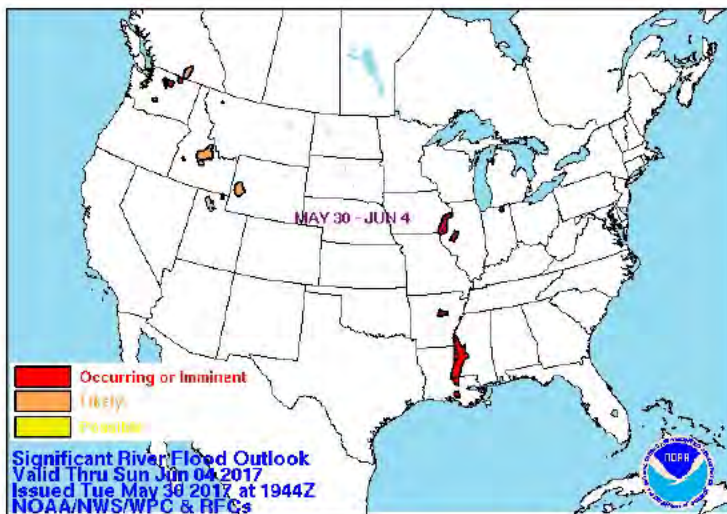
- June 5-6: Much above normal temperatures across portions of California and the Pacific Northwest.
- June 5-6: Heavy rain across portions of Alaska.
- June 7: Moderate risk of much above normal temperatures for portions of California, the central and northern Great Basin, and the Pacific Northwest.
- June 7-9 : Heavy rain across portions of the central and southern Plains.
- June 7-9: Slight risk of much above normal temperatures for portions of the central and northern Great Basin, the northern Rockies, California, the Pacific Northwest, and the Southwest.

### Alaska Weather



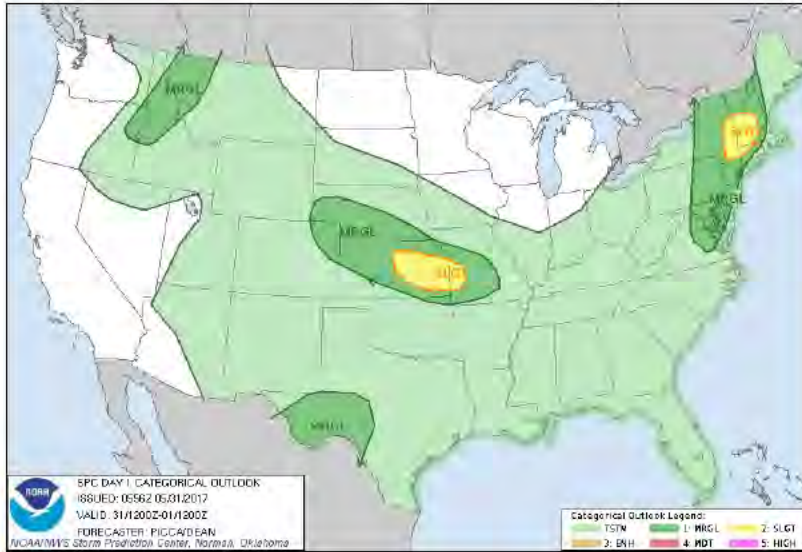
A Small Craft Advisory is in effect for portions of the western Gulf of Alaska, the central and western Aleutian Islands, the Kuskokwim Delta, the Etolin Strait, Nunivak Island, St. Matthew Island, and from Dixon Entrance to Cape Decision.

### Significant River Flooding



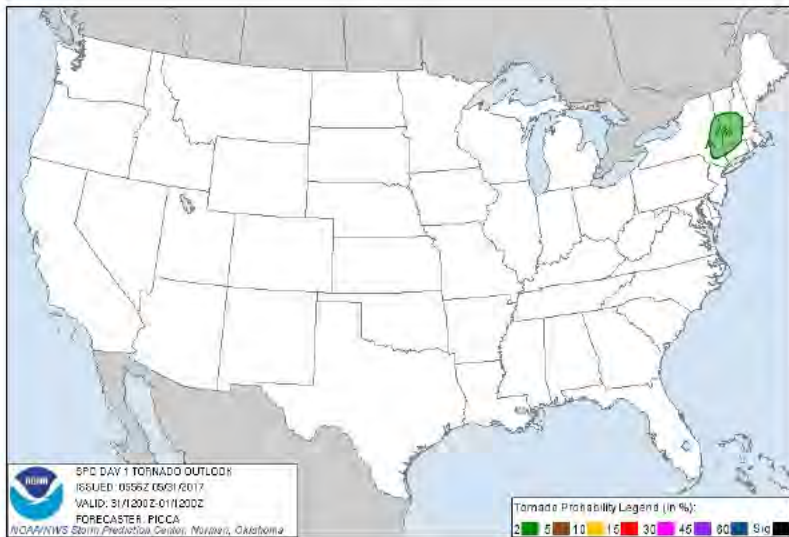
Significant River Flooding is occurring or likely today in portions of the lower Mississippi Valley, central Arkansas, western Illinois, eastern Iowa, western Wyoming, northern Utah, Idaho, northwestern Montana, northern Indiana, and Washington.

### Severe Weather



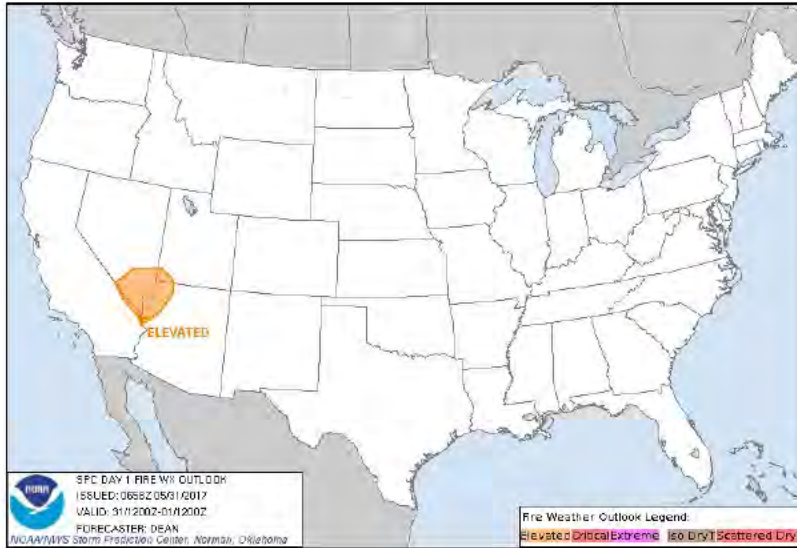
There is a Slight Risk of severe thunderstorm today over a portion of the Hudson River Valley into New England, and across parts of the central Plains. There is a Marginal Risk of severe thunderstorms from northern New England to the mid-Atlantic, from the central Plains to the Ozarks, across southwest Texas, and across the northwestern Rockies.

### Tornado Weather



There is a 2-percent chance of tornado activity today across parts of New England and eastern New York.

## Fire Weather



There is no Critical Fire Weather forecast today across the U.S.; however, there is Elevated Fire Weather forecast for southeastern California, southern Nevada, northwestern Arizona, and southwestern Utah.

## Tropical Weather

Source: *National Weather Service/National Hurricane Center - May 31, 2017*

## Eastern Pacific Ocean



Showers and thunderstorms, associated with a low pressure area located about 275 miles to the southeast of Acapulco, Mexico, have changed little in organization overnight. Conditions are



expected to be conducive for development, and a tropical depression is likely to form today or tomorrow while the system moves northward toward the coast of Mexico. Regardless of development, locally heavy rains are expected to spread over the coast of southeastern and southern Mexico during the next several days. These rains could cause life-threatening flash floods and mudslides. This system has a 70-percent chance of developing into a tropical cyclone during the next 48 hours.

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



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**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 1, 2017*

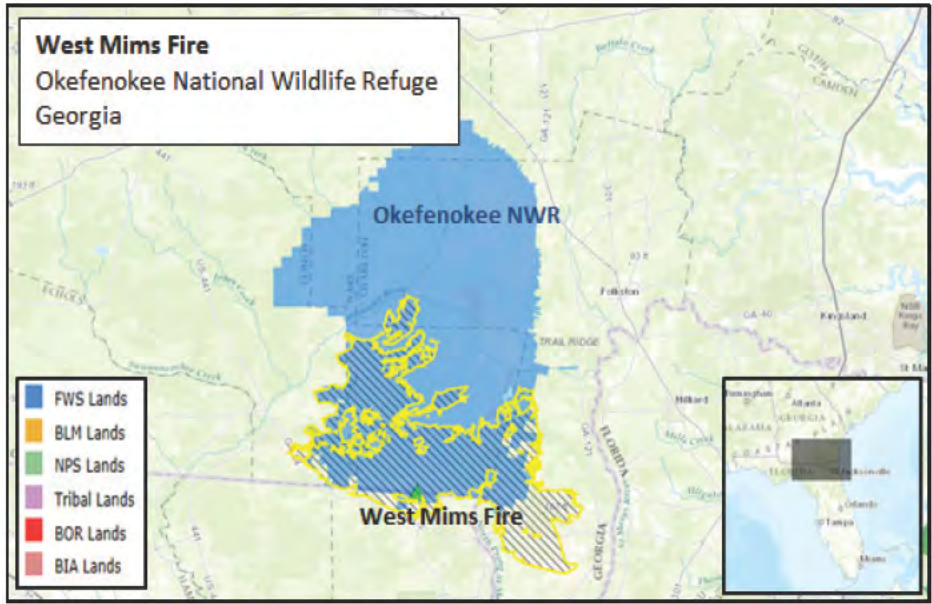
### Georgia Fires

#### West Mims Fire

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- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 512 (-10) / 111 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

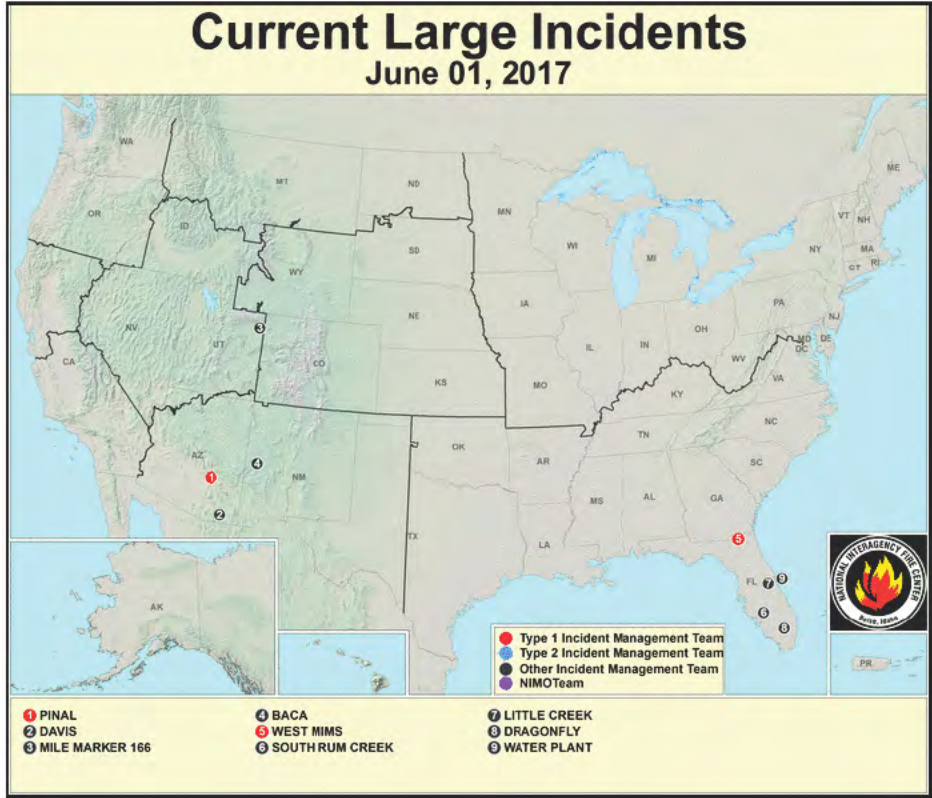
Comments: Minimal fire activity was observed during this reporting period, with the fire creeping and smoldering. Scattered showers and thunderstorm activity will persist with chances of wetting rains. Initial attack activity will slow, and the fire will retreat to smoldering in slash

piles and organic surface fuels. Area, trail, and road closures remain in effect, and portions of the Okefenokee National Wildlife Refuge remain closed to the public. Approximately 32,180 acres of private timberland have been damaged or destroyed by the fire.



IGEMS Image

**Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 1, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (63 new fires)
New large fires:	2
Large fires contained:	1
Uncontained large fires: **	3
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, and a short duration explosive event occurred Tuesday at 6:42 p.m. EDT, which produced a small volcanic ash cloud that was observed in satellite data. Winds transported the cloud towards the northwest at an estimated altitude of 23,000 feet above sea level. The duration of the event was less than 10 minutes, and seismicity returned to lower levels following the explosion.

Due to the brevity of the event, the Aviation Color Code remains at ORANGE, and the Volcano Alert Level remains at WATCH. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – May 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – May 31, 2017*

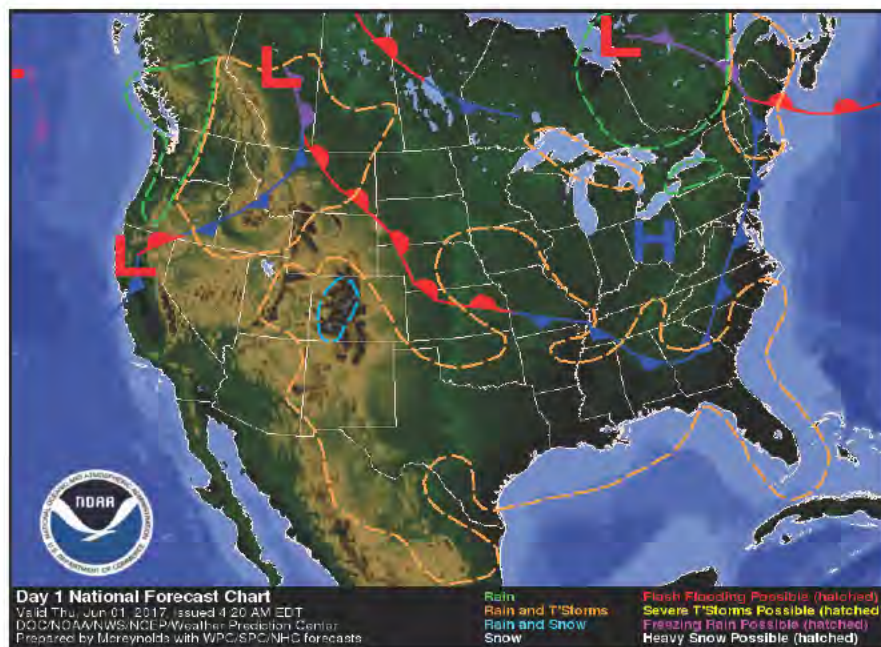
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kilauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above and at the base of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## **Significant National Weather**

*Source: National Weather Service - June 1, 2017*



## **Today:**

A frontal boundary will stretch from New England southward through the mid-Atlantic, dipping into the Southeast then continuing through the central Plains to Montana. Showers and thunderstorms are expected across New England with a few of these storms producing gusty winds. More showers and thunderstorms will be possible for parts of the Great Lakes. Scattered rain showers are likely for western New York state. Rain and thunderstorms will be possible across the Southeast coastal regions, Florida, the Deep South, the middle and lower Mississippi Valley, Texas, the southwestern Plains, and the central Rockies. Some of the storms near the Texas Big Bend region and the lower Mississippi Valley could reach severe limits. Rain and

snow are possible in the higher elevations of the Colorado Rockies. Rain and thunderstorms will develop across portions of the Northwest, the northern Rockies, and the far western High Plains. Some storms across the northern Rockies could be strong in nature.

### Tomorrow:

Expect rain showers for northern New England. A large area of scattered rain and thunderstorms will be possible from Florida to the southern and central Plains. More showers and thunderstorms will also develop across the central and northern Plains, the upper Midwest, the southern Great Lakes, the Midwest, the Ohio Valley, and parts of the Northeast. Marginally severe thunderstorms with strong wind gusts and hail will be possible tomorrow afternoon and evening across parts of the northern Plains and upper Mississippi Valley.

### Weather Hazard Assessment



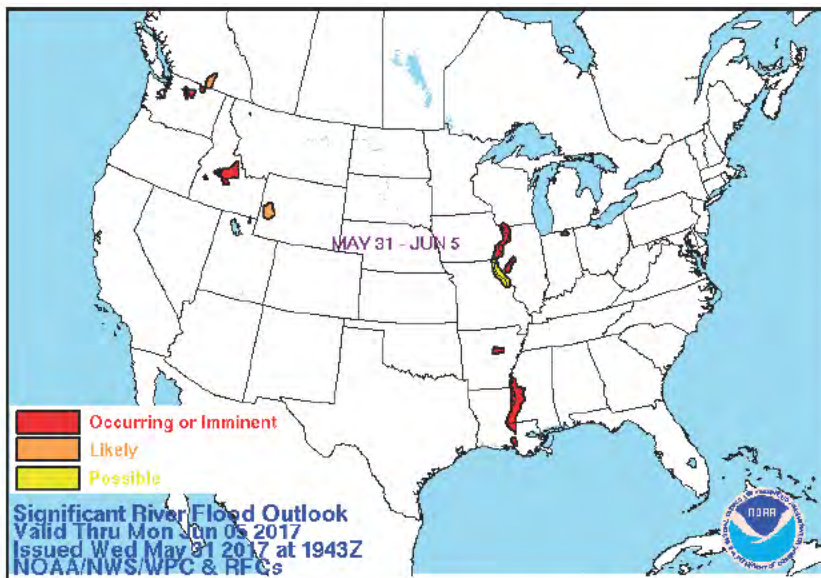
- June 3-4: Heavy rain from the lower Mississippi Valley and the Southeast, northward to the Great Lakes, the mid-Atlantic, and the Northeast.
- June 3-4: Much above normal temperatures across portions of the central Great Basin, the northern Rockies, and the northern Great Basin.
- June 5-6: Heavy rain across portions of the mid-Atlantic, the Northeast, the central Appalachians, the lower Mississippi Valley, the Southeast, and the Great Lakes.
- June 5-7: Heavy rain across portions of the central and southern Plains.
- June 6-7: Heavy rain across portions of the northern Plains and the northern Rockies.
- June 6-7: Much above normal temperatures across portions of California, the central Great Basin, the Pacific Northwest, and the northern Great Basin.

## Alaska Weather



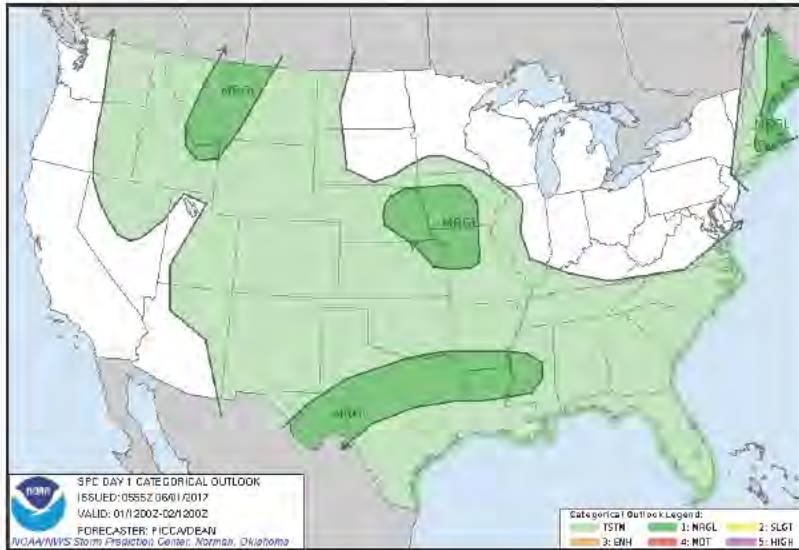
A Small Craft Advisory is in effect for portions of the central and western Gulf of Alaska, the central and western Aleutian Islands, the Kuskokwim Delta, the Etolin Strait, Nunivak Island, St. Matthew Island, and from Dixon Entrance to Cape Edgecumbe.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of the lower Mississippi Valley, central Arkansas, western Illinois, eastern Iowa, western Wyoming, northern Utah, Idaho, northwestern Montana, northern Indiana, and northern Washington. Significant flooding is also possible today in eastern Missouri.

## Severe Weather



There is a Marginal Risk of severe thunderstorms today across portions of coastal New England, from the Texas Big Bend region to the lower Mississippi Valley, across the middle Missouri Valley, and across the northern Rockies.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

There are no Critical Fire Weather areas forecast today across the U.S.

## Tropical Weather

Source: *National Weather Service/National Hurricane Center - June 1, 2017*

## Eastern Pacific Ocean

As of 4:00 a.m. EDT this morning, Tropical Depression Two-E was located about 55 miles southwest of Puerto Angel, Mexico and moving north-northeast at 7 miles per hour. This general motion should continue during the next 24 hours. Maximum sustained winds are near 35 miles per hour with higher gusts. Some strengthening is expected, and the depression is forecast to become a tropical storm before it reaches the coast of Mexico later today. A Tropical Storm Watch is in effect for the Pacific Coast of Mexico from Salina Cruz to Puerto Escondido.

The depression is expected to produce total rainfall accumulations of 8 to 12 inches across the Mexican state of Oaxaca with isolated maximum totals of 20 inches possible.





*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
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- EM-ICAT
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- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, June 2, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

Source: *Fire and Aviation Management Website - June 2, 2017*

### Georgia Fires

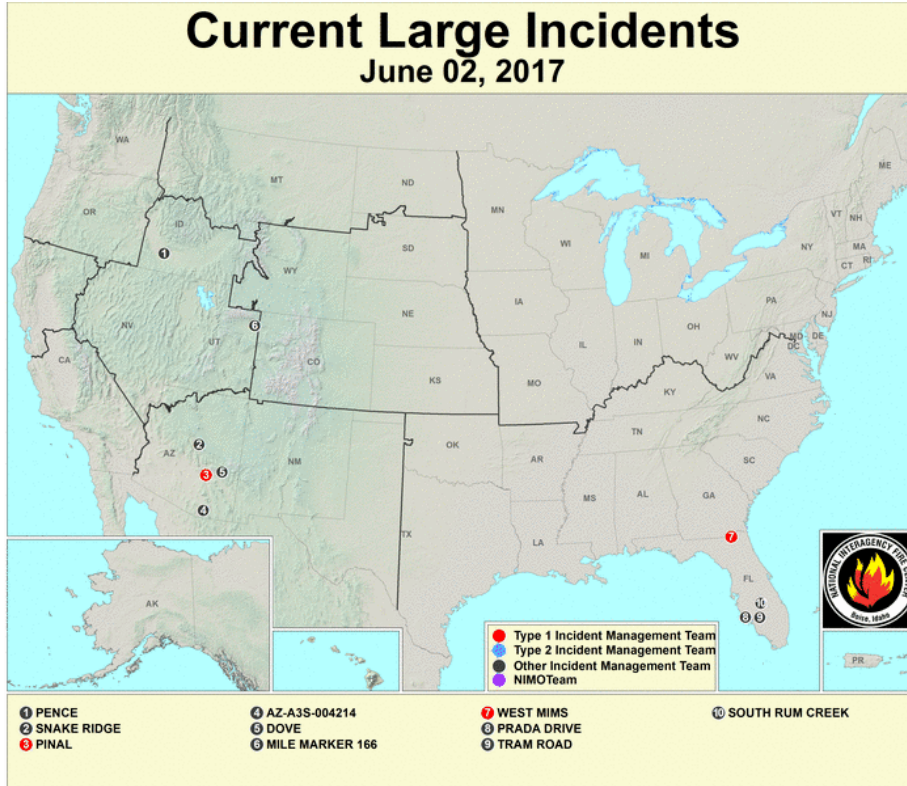
#### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 508 (-4) / 112 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire activity was observed during this reporting period, with the fire creeping and smoldering. Scattered showers and thunderstorm activity will persist with chances of wetting rains. Initial attack activity will slow, and the fire will retreat to smoldering in slash

piles and organic surface fuels. Area, trail, and road closures remain in effect, and portions of the Okefenokee National Wildlife Refuge remain closed to the public. Approximately 32,180 acres of private timberland have been damaged or destroyed by the fire.

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 2, 2017

### National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (83 new fires)
New large fires:	4
Large fires contained:	4
Uncontained large fires: **	3
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano. On May 31, a short, 10-minute, explosive event occurred producing a small volcanic ash cloud that was observed in satellite data. The cloud rose to an altitude of about 24,000 feet above sea level and was transported over the Bering Sea where it dissipated. There was no lightning detected during this event and no new ash emissions have been detected since that time. Seismicity returned to lower levels following the explosion. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Vigorous steaming was visible from the summit crater in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 1, 2017*

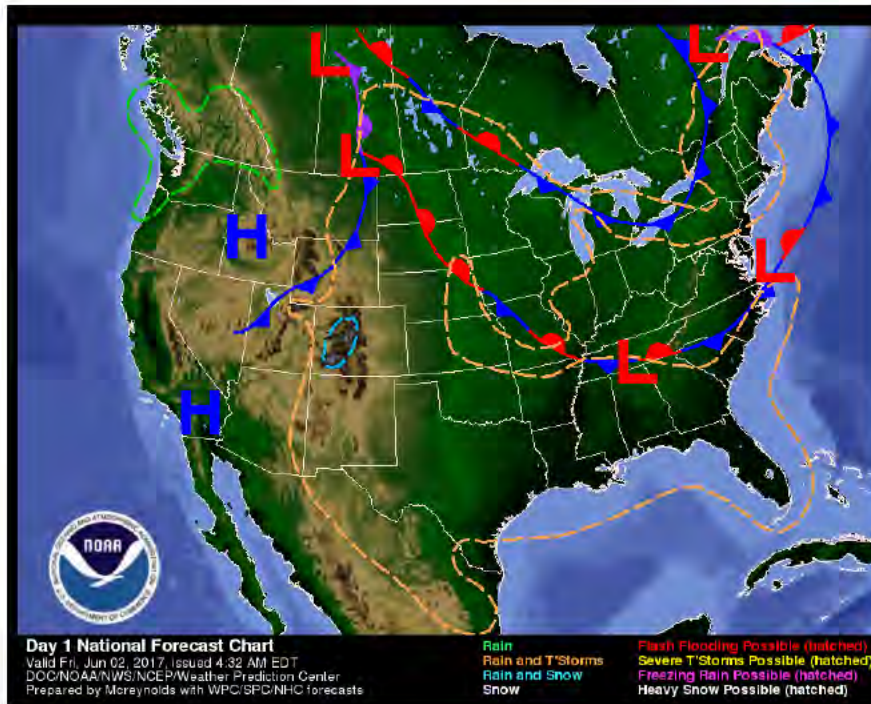
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna. Active surface flows persist above and at the base of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows pose no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

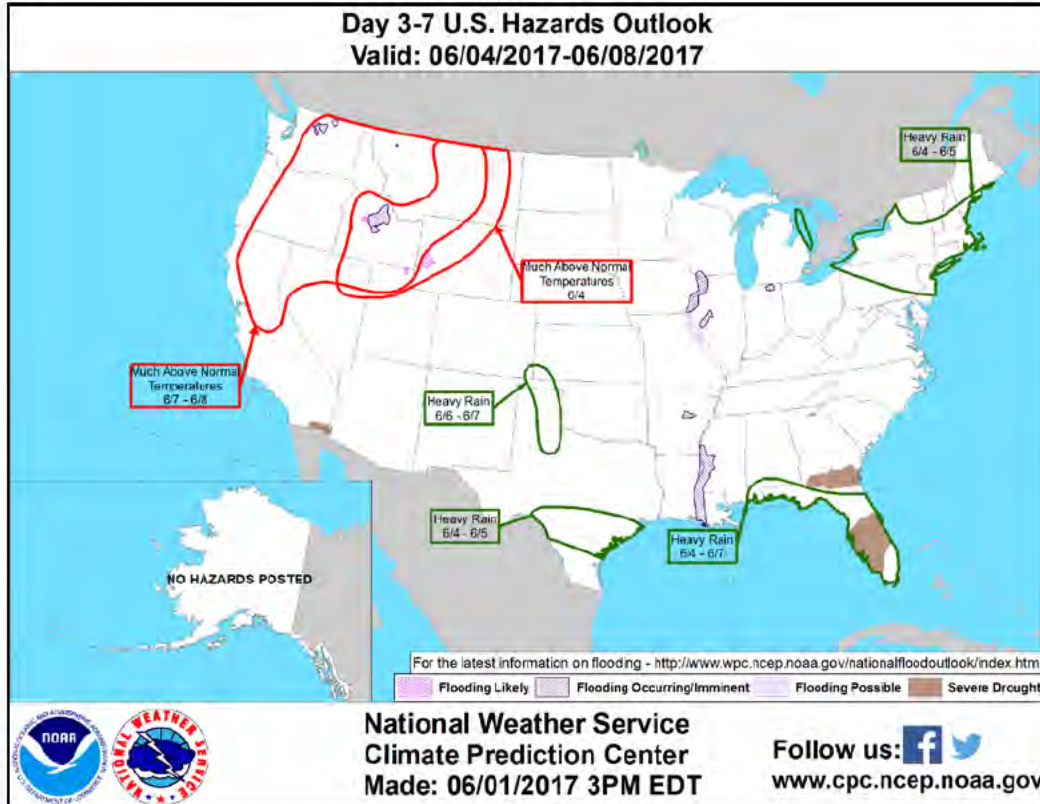
Source: National Weather Service - June 2, 2017



### **Today/Tomorrow**

Weather will remain on the quiet side across the U.S., as no significant threat of excessive rainfall and severe thunderstorms are expected into the weekend. An upper level low will move steadily eastward across northern New England during the next couple of days. While this will bring cooler than normal temperatures and partly sunny skies into the Northeast, some showers could develop as a weak cold front passes through. Typical summer heat and humidity will continue across the Deep South with a chance of scattered showers and thunderstorms through the weekend. The thunderstorm activities over Texas will be supported by an upper-level shortwave trough that drifts eastward through the weekend. Some of the thunderstorms could produce locally heavy rainfall, but excessive rain over a large area is not expected. Farther north, a frontal system is forecast to move steadily eastward across the northern Plains today. This system is expected to reach the upper Midwest on Saturday and the Great Lakes on Sunday. Showers and thunderstorms will accompany the frontal system along with a brief warm up, but this will be followed by clearing skies and cooler conditions. Over the Pacific Northwest, an upper-level trough and associated cold front will approach the region during the weekend. Showers and late day thunderstorms are expected to develop generally in the interior sections on Saturday and are expected to continue into Sunday.

## Weather Hazard Assessment



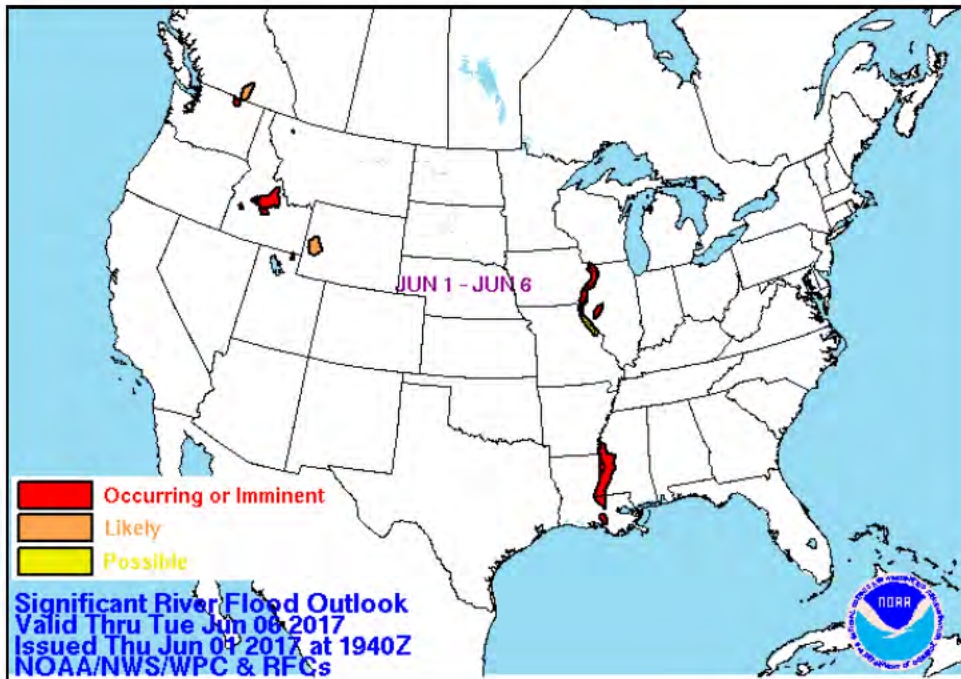
- June 4: Much above-normal temperatures from portions of the northern High Plains and the north-central Rockies southwestward to northeastern Nevada.
- June 4-5: Heavy rain for the eastern Great Lakes region and the Northeast.
- June 4-5: Heavy rain for south-central Texas.
- June 4-7: Periods of heavy rain for Florida and southern Alabama.
- June 6-7: Heavy rain over the south-central High Plains.
- June 7-8: Much above-normal temperatures across portions of the northern and central Intermountain Region, the northern and central Rockies, and the northern High Plains.
- Severe drought across parts of the Southeast, and along the southern California-Arizona border.

# Alaska Weather



A Small Craft Advisory is in effect for portions of the eastern Gulf of Alaska from Dixon Entrance to Cape Edgecumbe, and the central and western Aleutian Islands from Kiska to Cape Sarichef.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions of the lower Mississippi Valley, western Illinois, eastern Iowa, western Wyoming, northern Utah, Idaho, northwestern Montana, and northern Washington. Significant flooding is also possible today in eastern Missouri.

### Severe Weather

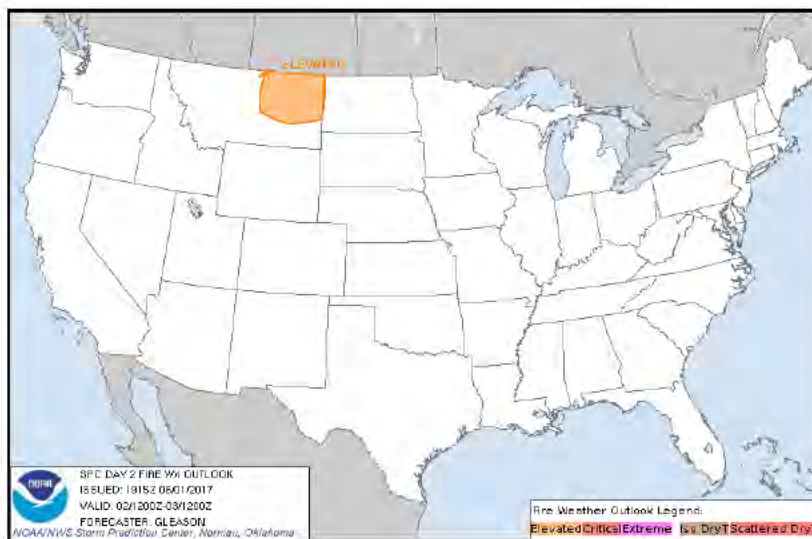


There is a Marginal Risk of severe thunderstorms today across portions of the northern Great Plains and the upper Mississippi Valley.

### Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

### Fire Weather





There are no Critical Fire Weather areas forecast today; however, there is an area of Elevated Fire Weather across eastern Montana.

### **Tropical Weather**

Source: National Weather Service/National Hurricane Center - June 2, 2017

#### **Eastern Pacific Ocean**



As of 5:00 a.m. EDT this morning, the center of Tropical Depression Beatriz was located about 55 miles north-northeast of Puerto Angel, Mexico and moving north-northeast at 7 miles per hour. This general motion should continue today, and maximum sustained winds are near 35 miles per hour, with higher gusts. Additional weakening is forecast, and Beatriz is expected to dissipate later today over the mountains of southeastern Mexico. The depression is expected to produce total rainfall accumulations of 6 to 10 inches across the Mexican state of Oaxaca, with isolated maximum totals of 18 inches possible. There are no coastal watches or warnings in effect.

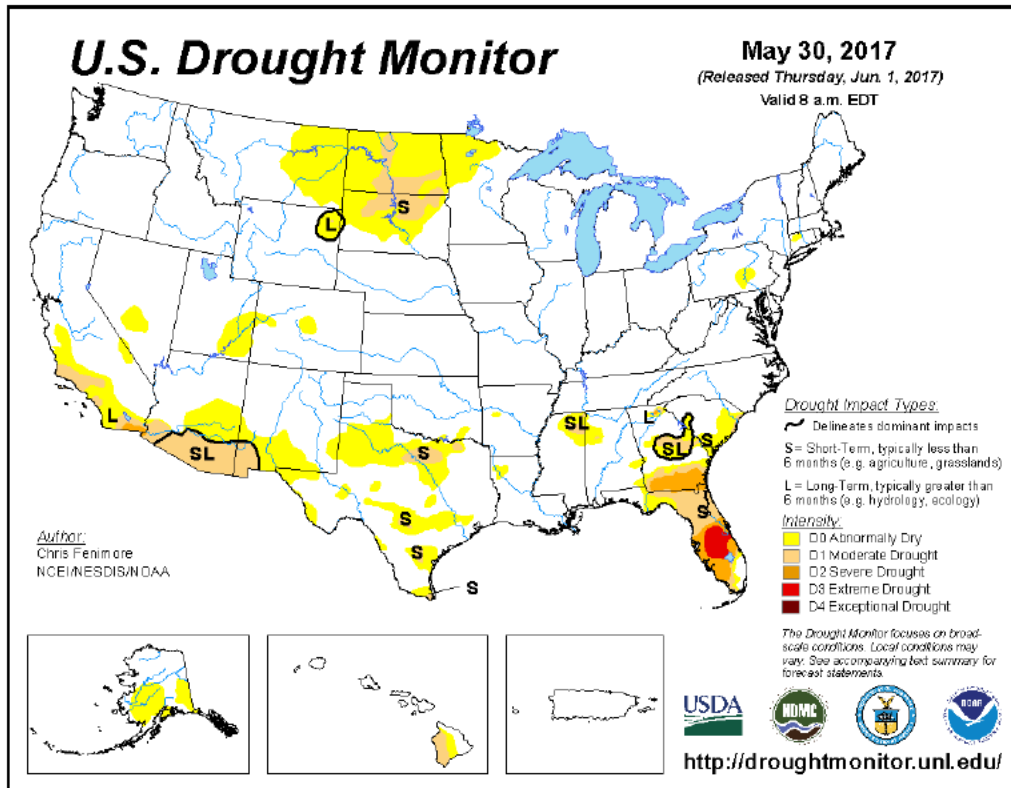
### **Other News and Notes**

#### **U.S. Drought Monitor**

Source: National Drought Mitigation Center - June 1, 2017

The week was characterized by above normal precipitation across much of the Southeast and the mid-Atlantic. Soaking rains fell in the eastern half of the country during the first half of the week, providing drought relief in the hardest hit areas of Georgia and northern Florida. By the

time the system moved out on May 27, much of the region had received more than double the rainfall (2 inches or more) of what is typically expected for the week. Drought and dryness continued in the High Plains, parts of the South and much of the Southwest. Temperatures across much of the country were at or below normal for the period. However, the Northwest was 5-10 degrees above normal.



**\*End of Report\***

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, June 5, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Washakie Dam and Reservoir Response Level 1

### **Wind River Reservation**

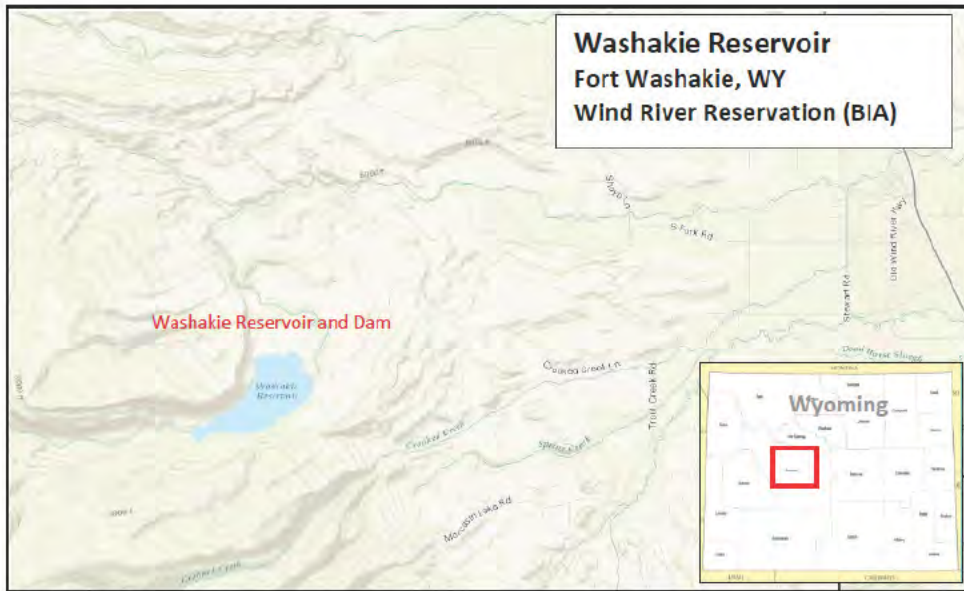
*Source: Bureau of Indian Affairs - June 5, 2017*

The Washakie Reservoir is currently experiencing large inflows due to significant snowmelt, which has required the Bureau of Indian Affairs (BIA)-Wind River Irrigation Agency personnel to visit the Washakie Dam for the past several days. The dam's structural integrity appears to be in satisfactory condition. The large inflows will most likely cause large spillway flows, which combined with water being released through the dam's gates, may cause flooding conditions downstream of the dam.

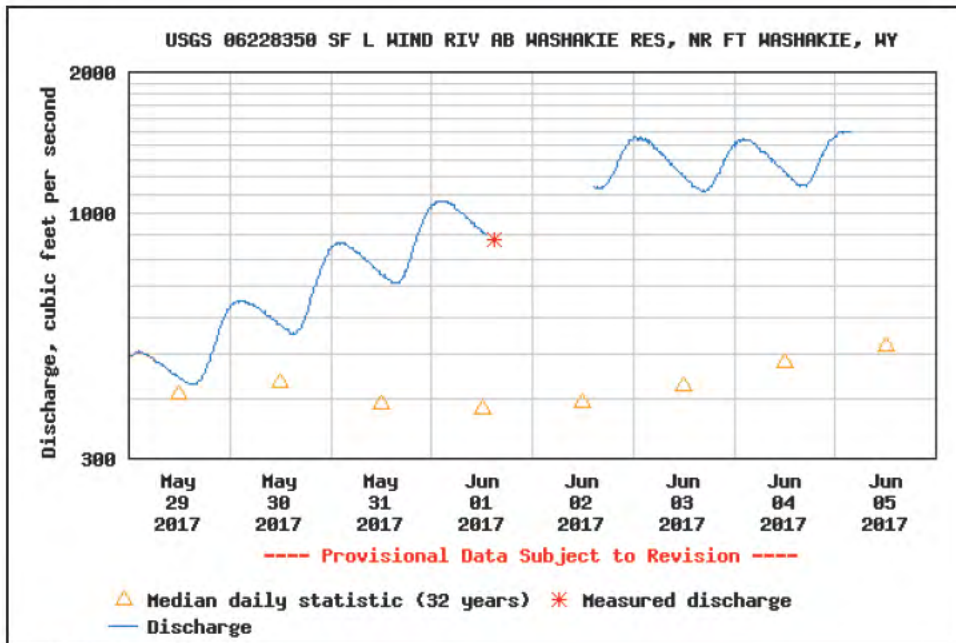
One U.S. Geological Survey (USGS) Rain and Early Warning System (EWS) gaging station located above Washakie Dam is currently being monitored. The current reservoir elevation is just over 6,355 feet, and approximately 6-inches of water are going over the spillway crest. Measured inflows are at 1,490 cubic feet per second (cfs). The BIA Dam Safety Officer will continue to monitor the in flows to determine if outflows will require a Response Level 2 over the next several days.

The Wind River Tribes, with the assistance of the Tribal Water Engineer's Office, have been preparing for possible flooding. People living in homes that may be potentially impacted by

flooding have been notified. Sandbags have been filled and distributed across the reservation. The potential for rain and thunderstorms in the seven day forecast for the region may increase flows into the reservoir.



IGEMS Image



USGS Discharge Table

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 5, 2017*

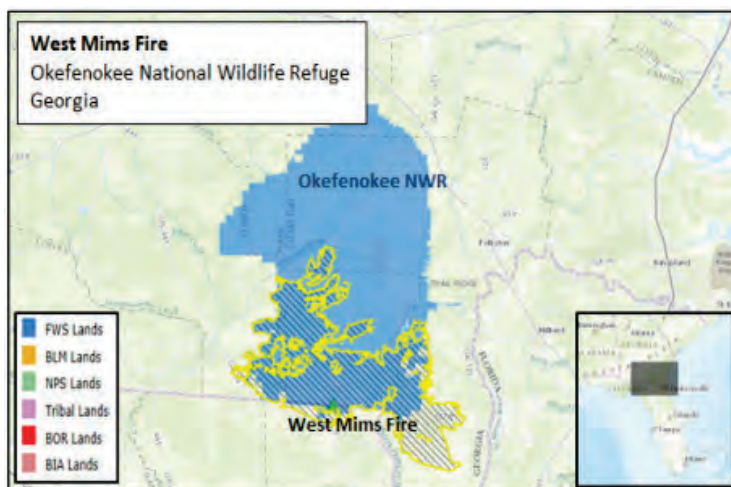
The **Dove Fire** (Arizona) is currently being managed under a combined “Monitor” and “Confine” suppression strategy and is not threatening any structures at this time. According to the most recent Incident Status Summary (ICS-209), the fire poses “no likely threat”. The **Cowbell Fire** (Florida) is now being managed under a “Monitor” suppression strategy, and full containment is expected on June 15. Unless there is an increase in activity, these two fires will no longer be summarized in this report.

## **Georgia Fires**

### **West Mims Fire**

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 463 (-45) / 100 (-12)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this observation period, but fire activity could increase over the next couple of days due to the presence of dry fuels and possible thunderstorm activity. Accessibility to the fire remains limited, and portions of the Okefenokee National Wildlife Refuge remain closed to the public.



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 5, 2017

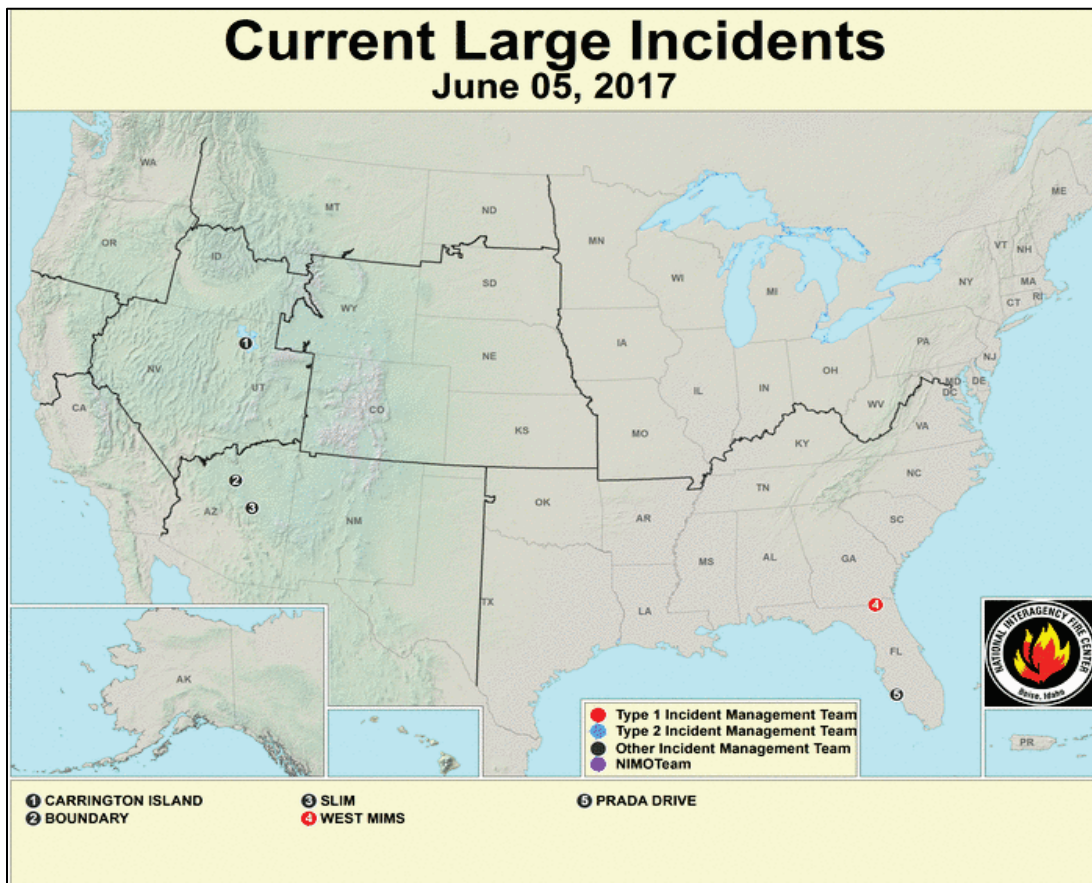
### National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (85 new fires)
New large fires:	1
Large fires contained:	0
Uncontained large fires: **	4
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, but there was no significant activity observed in seismic, infrasound, or satellite data of the volcano during this reporting period. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and at the base of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## **Earthquake Activity**

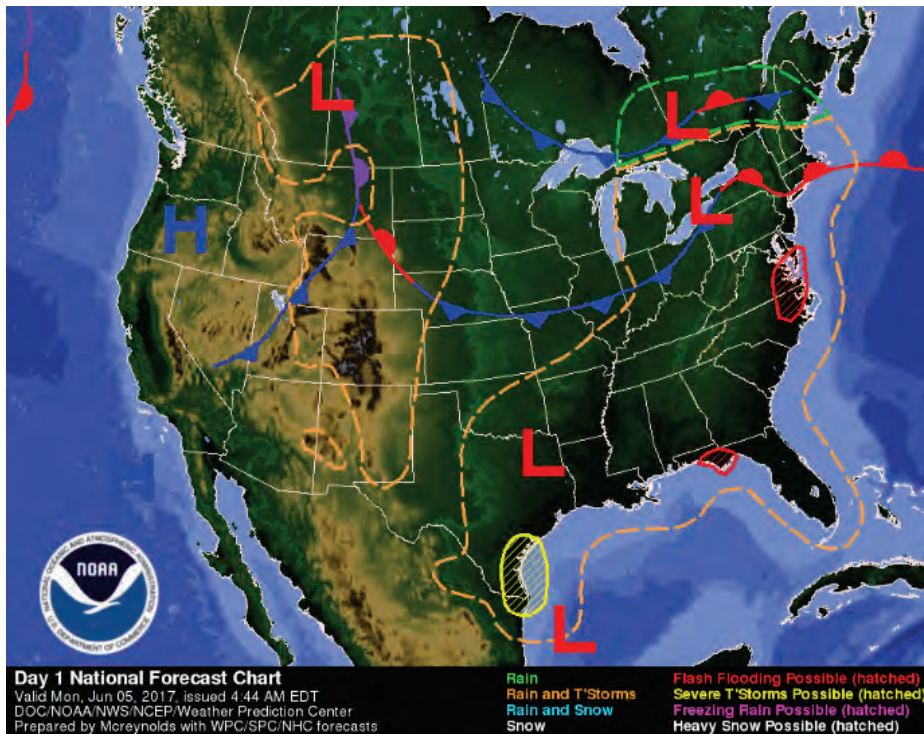
*Source: U.S. Geological Survey – June 4, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.8 earthquake occurred on June 2 at 6:24 p.m. EDT, approximately 126 miles to the northwest of Attu Station, Alaska at

a depth of 5 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. No tsunami was generated.

## **Significant National Weather**

*Source: National Weather Service - June 5, 2017*



### **Today**

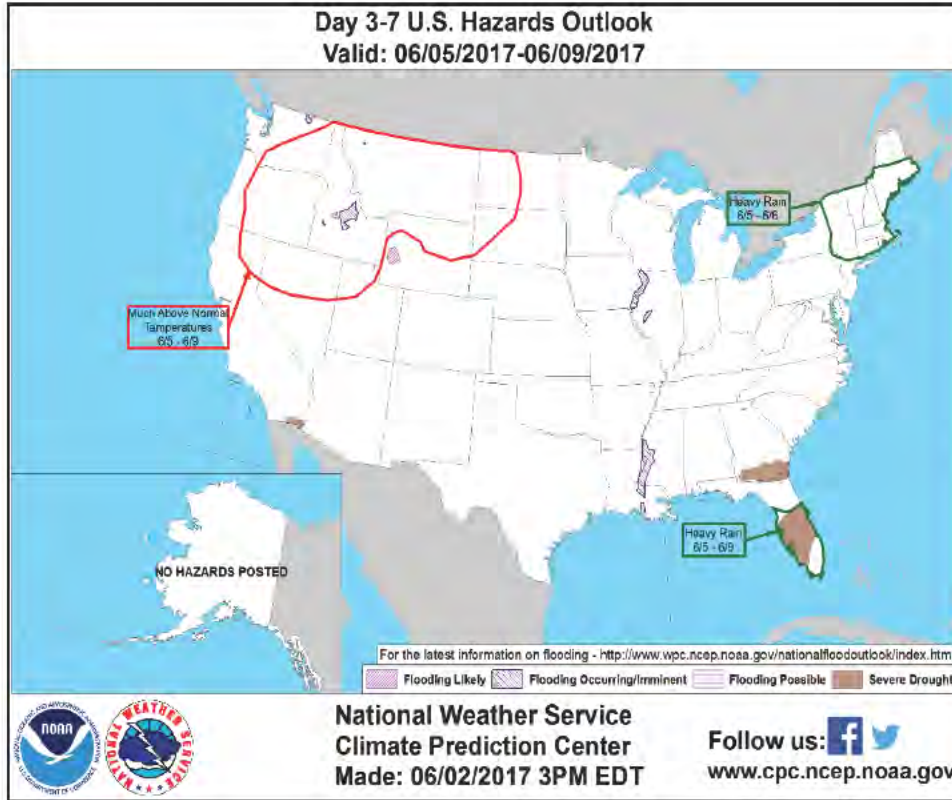
There is a slight risk of severe thunderstorms along the Texas Gulf Coast. A marginal risk of severe thunderstorms will remain for much of southern Texas. Expect a marginal risk of severe thunderstorms in the Carolinas and portions of the Ohio Valley through the interior sections of the Northeast. Expect the possibility of flash flooding across northeastern North Carolina and southwestern Virginia. There is a chance of precipitation across New England, the Ohio Valley, and the Great Lakes as well. A separate system moving across the northern Rockies will trigger a marginal risk of severe thunderstorms across the Rockies from New Mexico to the Canadian border. High pressure will bring dry weather to the West Coast.

### **Tomorrow**

There is a chance for rain and thunderstorms for the eastern Great Lakes, southern New England, the eastern mid-Atlantic, the Southeast, and the Gulf Coast. This precipitation will bring the possibility of flash flooding to the Gulf Coast of the southern peninsula of Florida. Rain is possible for northern New England as well. A storm system pushing out of the Rockies will continue to bring the chance of rain and thunderstorms to much of the Rockies. This precipitation chance will spread east to the upper Midwest, the central Plains, and western Texas. High pressure will keep dry weather in place across the West Coast as well as sections of the intermountain West.



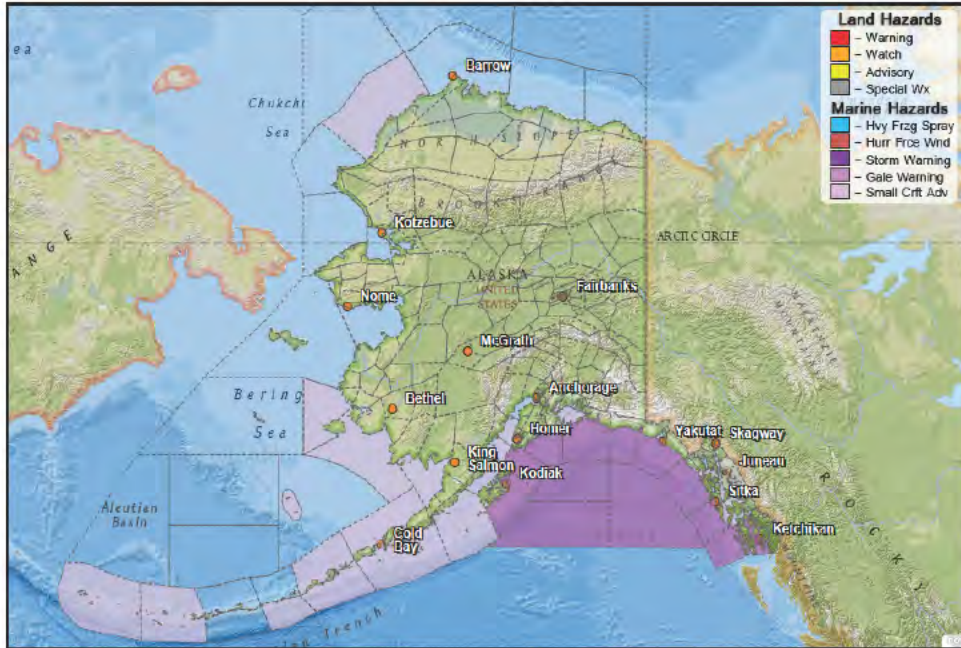
## Weather Hazard Assessment



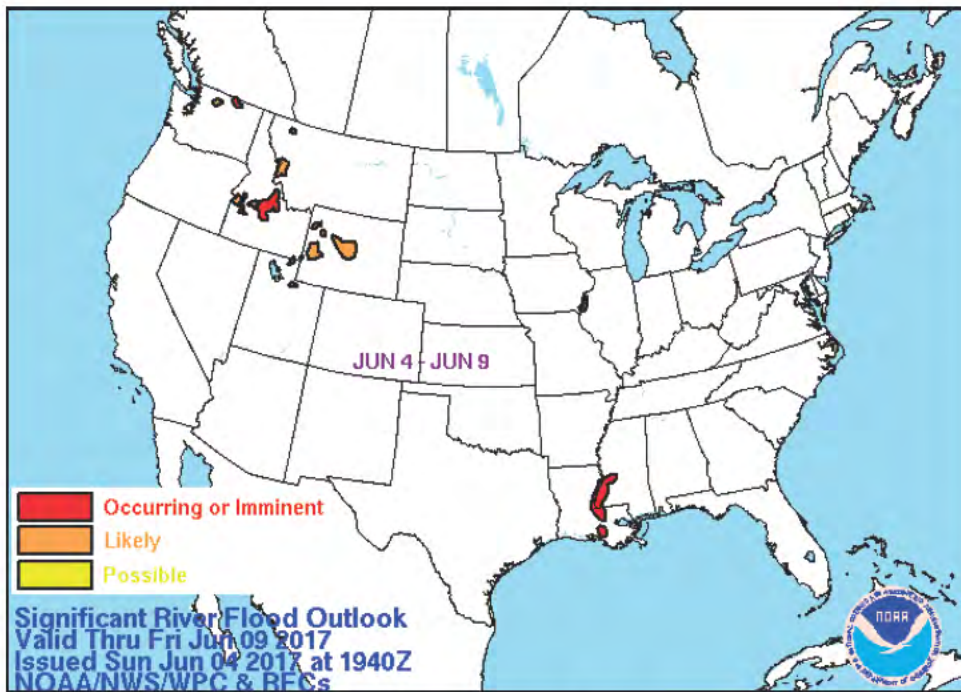
- June 5: Severe drought across portions of the Southeast and along the southern California and Arizona border.
- June 5: Flooding occurring, likely, or possible across portions of the Mississippi Valley, the northern and central Rockies, and the northern and central Intermountain region.
- June 5-6: Heavy rain for parts of the Northeast.
- June 5-9: Periods of heavy rain for parts of central and southern Florida.
- June 5-9: Much above-normal temperatures for portions of the western Intermountain region, the northern Rockies, and the northern Plains.
- June 10: Moderate risk of much above-normal temperatures for parts of the northern High Plains.
- June 10-13: Slight risk of much above-normal temperatures for parts of the northern and central Plains, the northern and central Rockies, and the upper Mississippi Valley.

### Alaska Weather

There is a Gale Warning in effect across most of the Gulf of Alaska and the Clarence Strait. There is a Small Craft Advisory in effect for much of the Aleutian Islands, the Pribilof Islands, Bristol Bay, the Kuskokwim Delta, the Etolin Strait, Nunivak Island, the Cook Inlet, the Barren Islands, the Shelikof Strait, the Prince William Sound, and from Cape Beaufort to Point Franklin. A Small Craft Advisory is also in effect in the Sumner Strait, the Chatham Strait, the Icy Strait, and the Cross Sound.

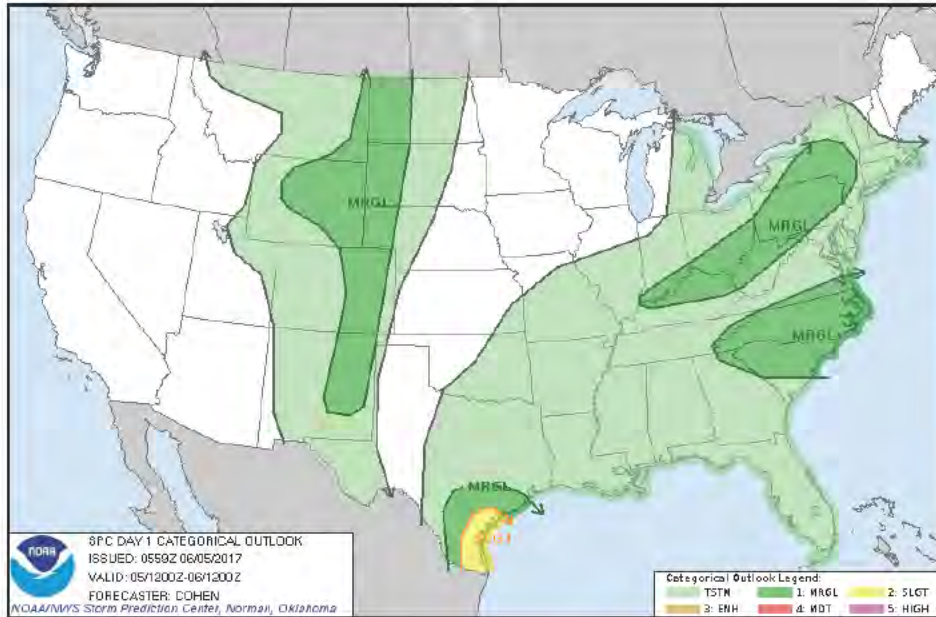


### Significant River Flooding



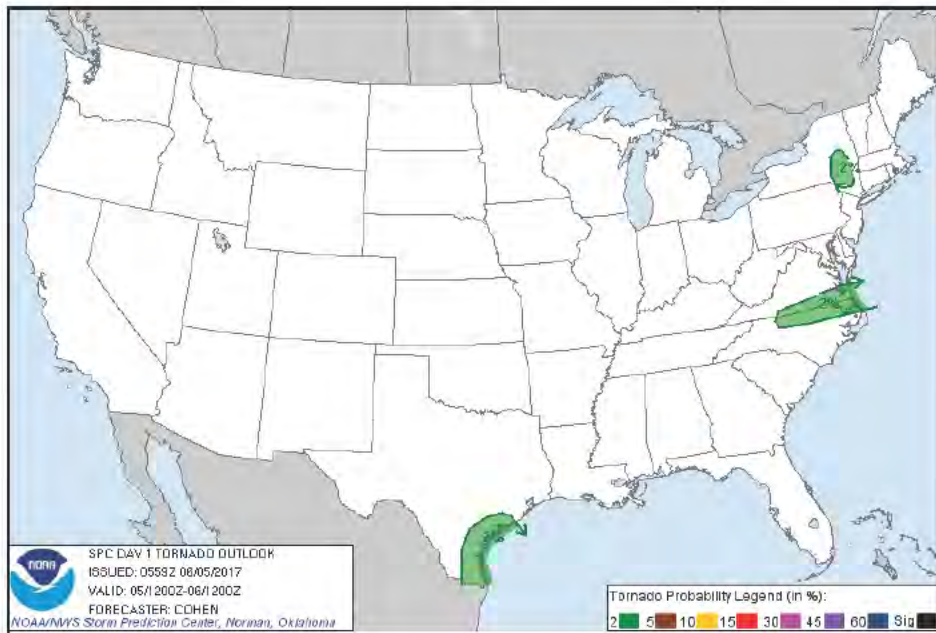
Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western Illinois, western and central Wyoming, northern Utah, Idaho, western Montana, and northern Washington.

## Severe Weather



There is a Marginal to Slight Risk of severe thunderstorm activity today in portions of southern Texas. There is a Marginal Risk of severe thunderstorms in the Carolinas, southern Virginia, northern Georgia, from the Ohio Valley to eastern New York, and from the High Plains into central Wyoming.

## Tornado Weather



There is a 2-percent chance of tornado activity today in southern Texas, eastern New York, and along the North Carolina and Virginia border.

## **Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

## **Other News and Notes**

### **Multiple Attacks - London, United Kingdom**

*Source: U.S. Department of Homeland Security and U.S. Department of State - June 5, 2017*

On June 3, three men utilized a van to strike numerous pedestrians on the London Bridge in London. The vehicle was then driven to a nearby market where the suspects exited the van and stabbed several people before being killed by police. Local authorities report that 7 civilians were killed, and at least 48 people were injured. The attacks remain under investigation and are being treated as acts of terrorism. Media sources indicate that ISIS has claimed responsibility for the attacks.

The U.S. Department of State reports that two U.S. citizens were wounded during the attacks. The U.S. Embassy in London has full accountability of Chief of Mission personnel, but accountability for some law enforcement staff and extended family members is ongoing. The May 1 Travel Alert for U.S. citizens traveling to Europe remains in effect until September 1 of this year.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, June 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## DOI Bureau Reports

### **Bureau of Reclamation Response to Anchor Dam - Response Level 2**

*Source: Bureau of Reclamation - June 5, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at Anchor Dam, located on the South Fork of Owl Creek, approximately 40 miles west of Thermopolis, Wyoming. The EAP Response Level 2 declaration was due to flows in Owl Creek downstream of the dam exceeding 400 cubic feet per second (cfs).

As of June 5, flow in Owl Creek downstream of the dam was 530 cfs. The dam release to the South Fork of Owl Creek is 205 cfs. Runoff from the snow-melt on the non-regulated tributaries downstream of the dam are generating flows that exceed 400 cfs on the main stem of Owl Creek and may cause minor flooding. It is of note that the releases from the dam are not a significant contributor to the high flows at the main stem of Owl Creek.

The dam is currently operating well, and there are no concerns with dam safety. On Sunday, June 4, the reservoir water surface (RWS) elevation was 6410.20 feet, calculated inflows were 417 cfs and releases were 205 cfs. The reservoir has risen approximately 5 feet since the Response Level 2 was declared.

Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is in contact with local emergency management agencies and the National Weather Service.

### **Bureau of Reclamation Response to Bull Lake Dam - Response Level 1**

*Source: Bureau of Reclamation - June 5, 2017*

On June 2, an EAP Response Level 1 was declared at Bull Lake Dam, located on Bull Lake Creek approximately 40 miles northwest of Riverton, Wyoming. The Response Level 1 was declared due to high inflows into the Bull Lake Reservoir and dam releases exceeding irrigation demands. The RWS elevation was 5,782.48 feet and inflows were expected to exceed 3,000 cfs. Releases were set to maintain approximately 1,300 cfs less than inflows.

As of June 4, the RWS elevation was 5,783.28 feet, calculated inflows were 1,997 cfs, and releases were 1,407 cfs. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population.

### **Wildland Fire Activity**

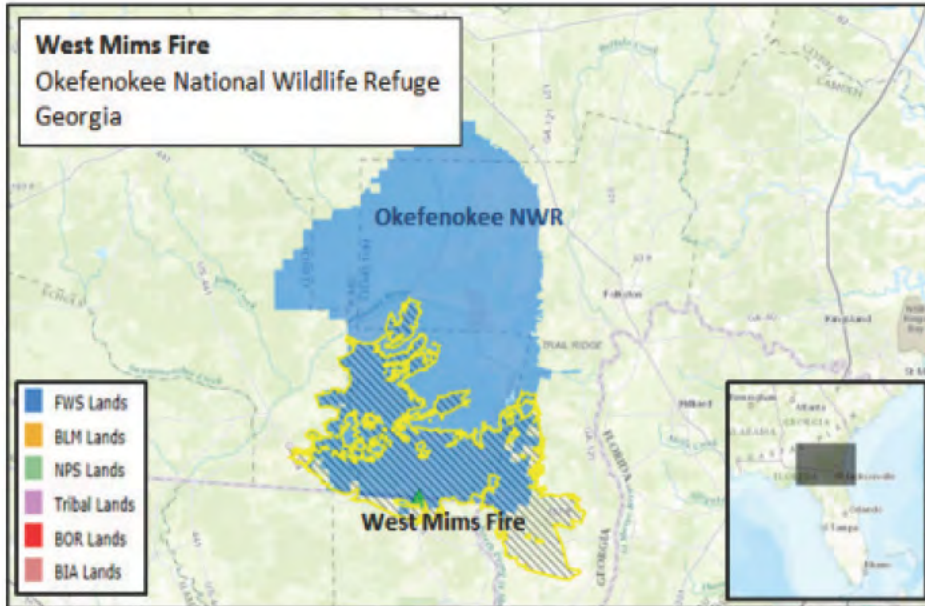
*Source: Fire and Aviation Management Website - June 6, 2017*

#### **Georgia Fires**

##### **West Mims Fire**

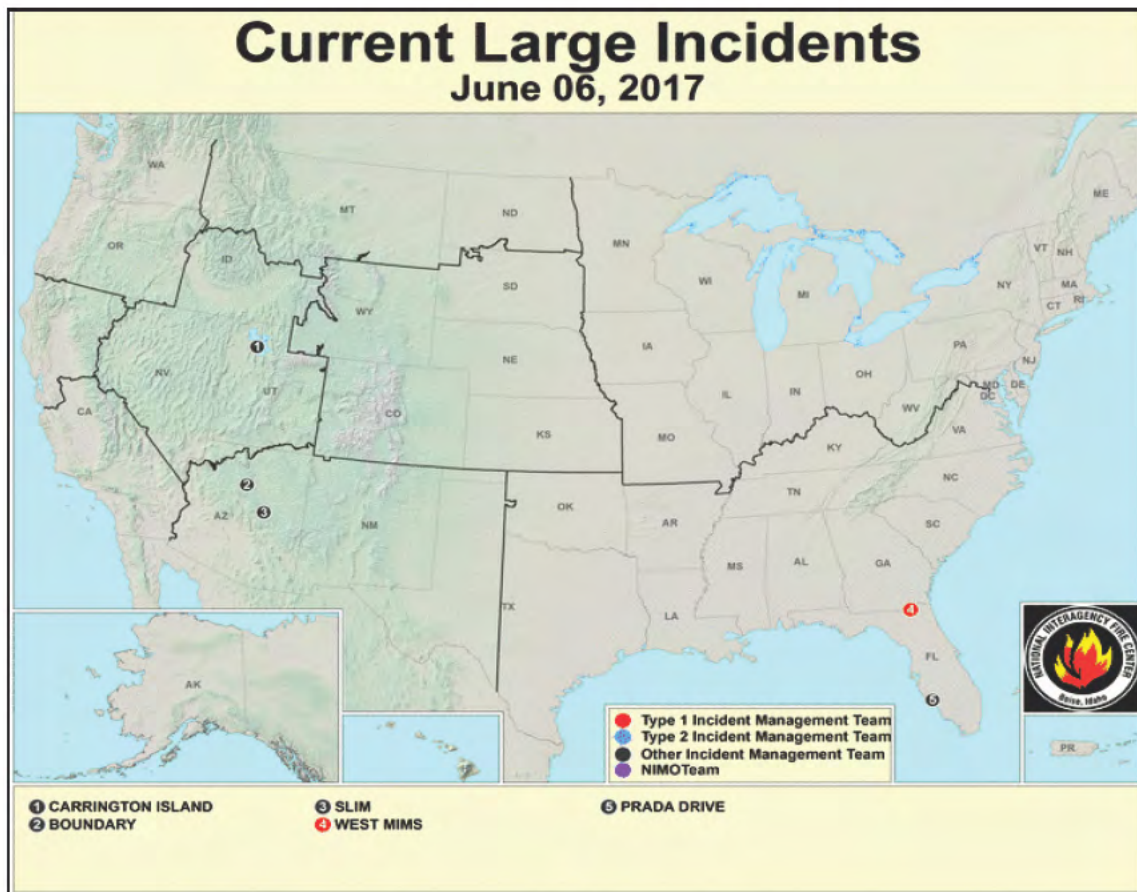
- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 438 (-25) / 100 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this observation period, but fire activity could increase over the next couple of days due to the presence of dry fuels and possible thunderstorm activity. Accessibility to the fire remains limited, and portions of the Okefenokee National Wildlife Refuge remain closed to the public.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 6, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (183 new fires)
New large fires:	11
Large fires contained:	4
Uncontained large fires: **	4
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano. There was no significant activity observed in seismic, infrasound, or satellite data of the volcano during this reporting period; however, a small seismic tremor occurred early Monday morning. A vessel in the vicinity reported a “white plume” rising several thousand feet above sea level. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.



## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 5, 2017

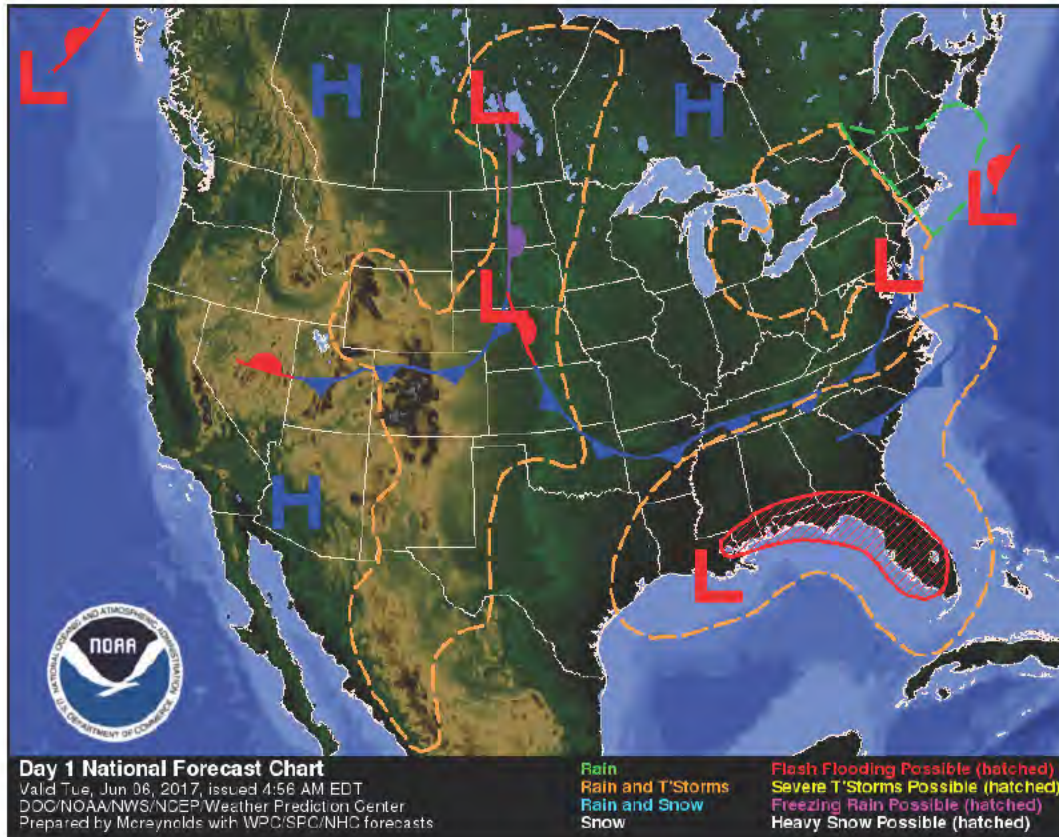
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and at the base of the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - June 6, 2017



## Today

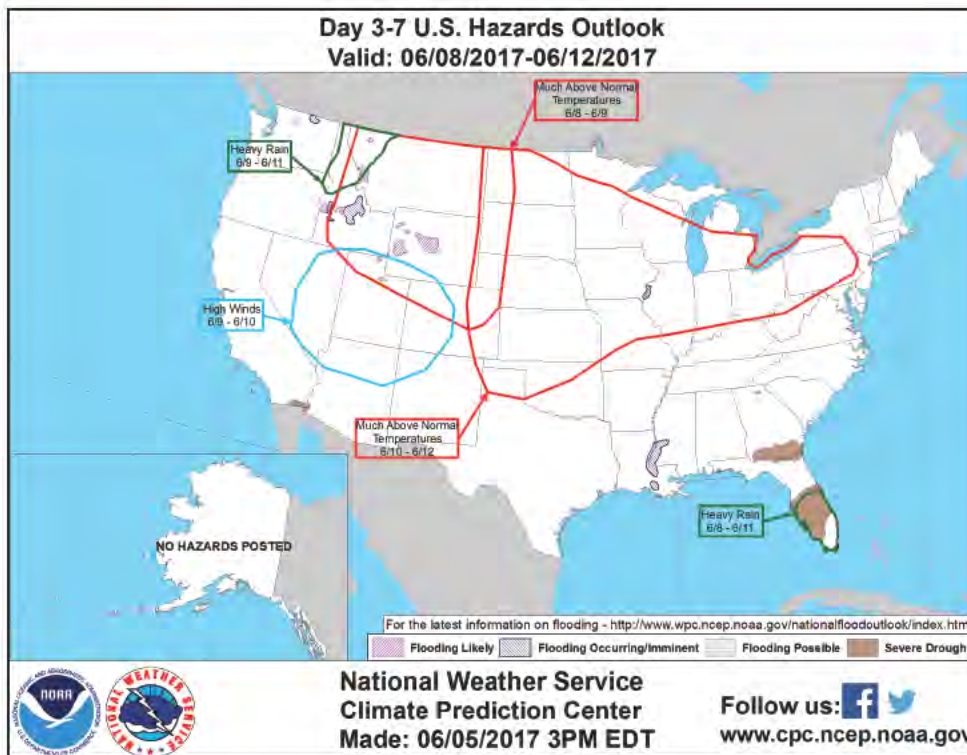
Expect rain and thunderstorms to develop across the Southeast, Florida, and the lower Mississippi Valley today. Isolated severe thunderstorms will be possible this afternoon and tonight across Florida and southern Georgia. Additionally, heavy rain with flash flooding is expected to develop along portions of the central and eastern Gulf Coastal regions and across Florida. Showers and thunderstorms will be possible across portions of the upper Ohio Valley,

eastern Great Lakes, and the Northeast. Rain showers will also develop across the southern parts of New England. Rain and thunderstorms will develop from the northern Plains to the southwest Plains. Isolated severe thunderstorms will be possible this afternoon and tonight across portions of the central and southern High Plains.

### Tomorrow

Rain and thunderstorms will develop from the Northeast and mid-Atlantic into the Southeast and Florida. A few of the thunderstorms across the Florida Peninsula may attain severe levels producing either gusty winds or hail. Heavy rain over the southern portions of Florida could produce some localized areas of flash flooding. Rain and thunderstorms will develop from the upper Midwest to the Rockies. Thunderstorms that develop across the Rockies from Idaho to far West Texas could be severe with gusty winds or hail.

### Weather Hazard Assessment



- June 8-9: Much above-normal temperatures across portions of the central Plains, the central Great Basin, the northern Plains, the northern Rockies, the central Rockies, and the northern Great Basin.
- June 8-11: Heavy rain across portions of Florida.
- June 9-10: High winds across portions of the southern Rockies, the central Rockies, the Great Basin, and the Southwest.
- June 9-11: Heavy rain across portions of the northern Rockies and the northern Great Basin.
- June 10-12: Much above-normal temperatures across portions of the central Plains, the Northeast, the central Appalachians, the northern Plains, the Great Lakes, the middle

Mississippi Valley, the mid-Atlantic, the upper Mississippi Valley, the southern Plains, and the Ohio Valley.

- June 13: Moderate risk of much above-normal temperatures for portions of the mid-Atlantic, the Northeast, and the central Appalachians.
- Severe drought across the Southeast, the southern Appalachians, California, and the Southwest.

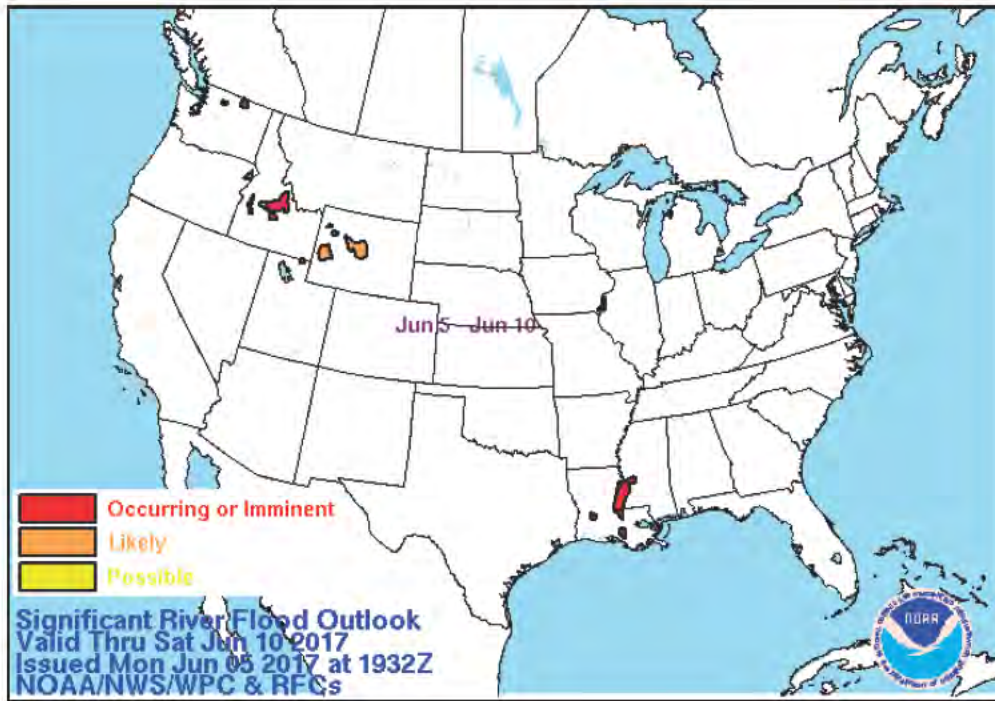
## Alaska Weather



There is a Gale Warning in effect across most of the Gulf of Alaska and the Clarence Strait. There is a Small Craft Advisory in effect for much of the Aleutian Islands, the Kuskokwim Delta, the Etolin Strait, the Cook Inlet, the Barren Islands, the Prince William Sound, and from Cape Thompson to Point Franklin. A Small Craft Advisory is also in effect in the Yakutat Bay, the Sumner Strait, the Chatham Strait, the Icy Strait, and the Cross Sound.

## Significant River Flooding

Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western Illinois, western and central Wyoming, northern Utah, Idaho, and northern Washington.



### Severe Weather



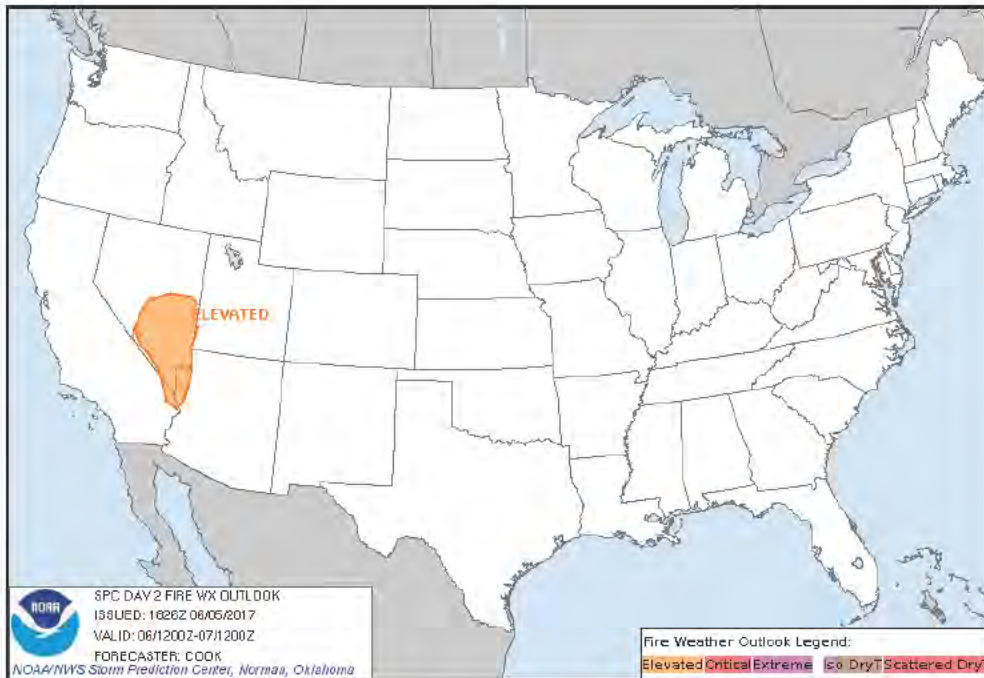
There is a Marginal Risk of severe thunderstorm activity today across portions of the central and southern High Plains, and across Florida and southern Georgia.

## Tornado Weather



There is a 2-percent chance of tornado activity today across Florida and southern Georgia.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S; however, there is Critical Fire Weather forecast for central and southern Nevada, western Arizona, and a small portion of southeastern California.

*\*End of Report\**

**Distribution:**

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Bureau Heads

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EM Coordinators and Alternates

EM-ICAT

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EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, June 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - June 7, 2017](#)*

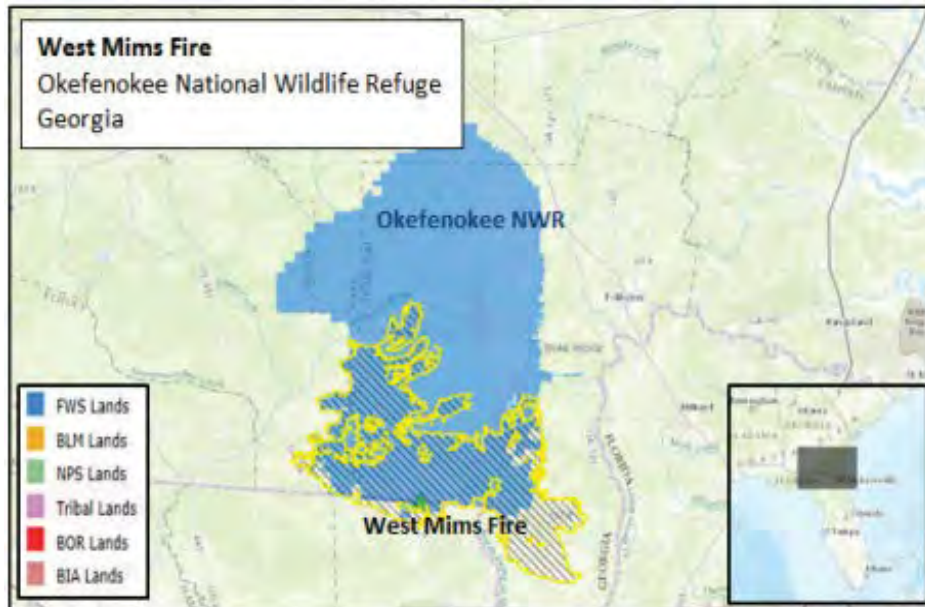
## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 394 (-44) / 96 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this observation period. Widespread heavy rain has increased fuel moisture levels and suppressed fire behavior, but as showers start

to diminish, a drying trend begins and could increase fire activity as fuels dry. Accessibility to the fire remains limited, and portions of the Okefenokee National Wildlife Refuge remain closed to the public.



IGEMS Image

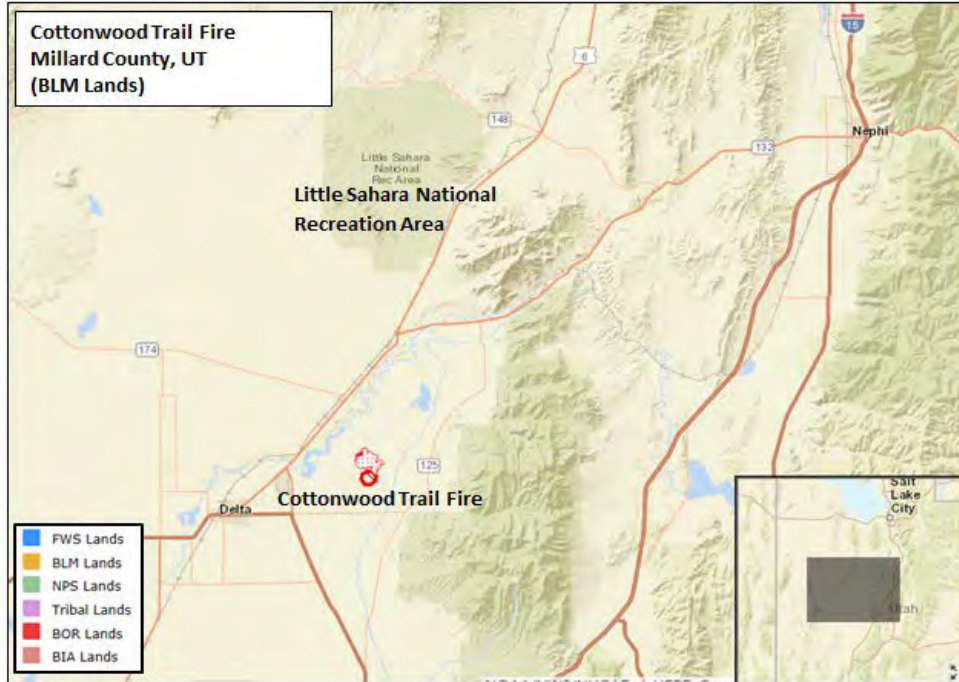
## Utah Fires

### **Cottonwood Trail (Initial Report)**

- Start Date: June 6
- Location: Millard County, UT (BLM)
- Burned Acres: 1,215
- Containment: 65-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 34 / 12
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 9

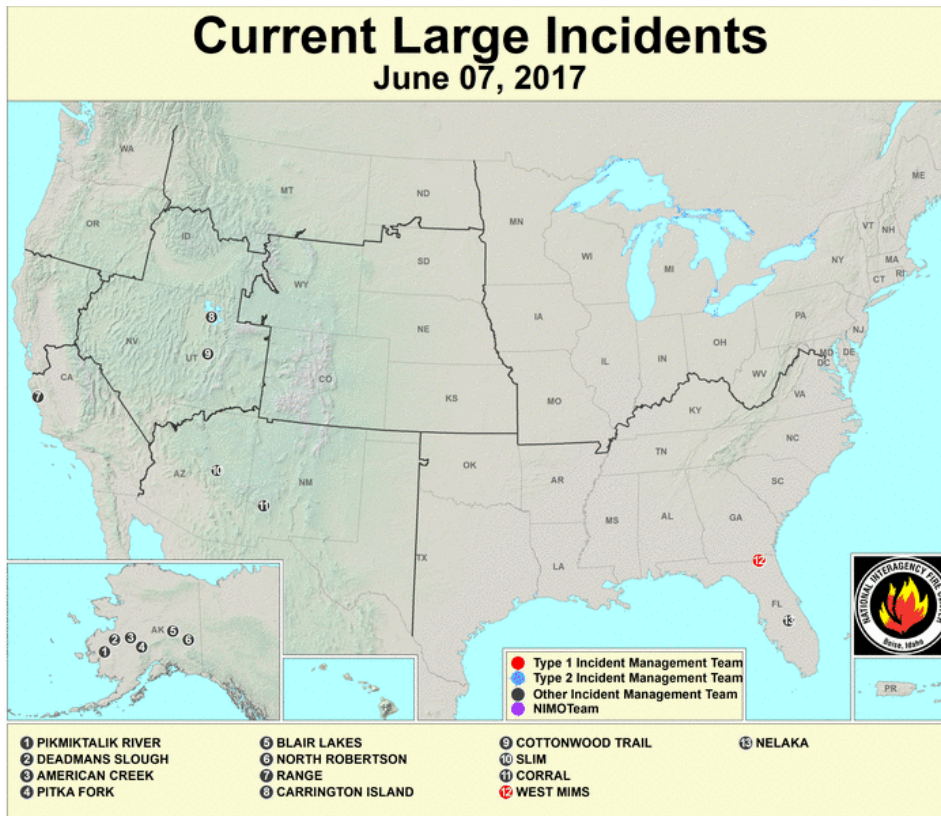
Comments: Active fire behavior was reported during this observation period. The fire is actively running in cheatgrass and sagebrush. Continued growth of this fire is not anticipated.





IGEMS Image

## Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 7, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (84 new fires)
New large fires:	6
Large fires contained:	1
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano. There was no significant activity observed in seismic, infrasound, or satellite data of the volcano during this reporting period. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in satellite, web camera, seismic, or infrasound data of the Cleveland Volcano during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## Kilauea Volcano, HI

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 6, 2017*

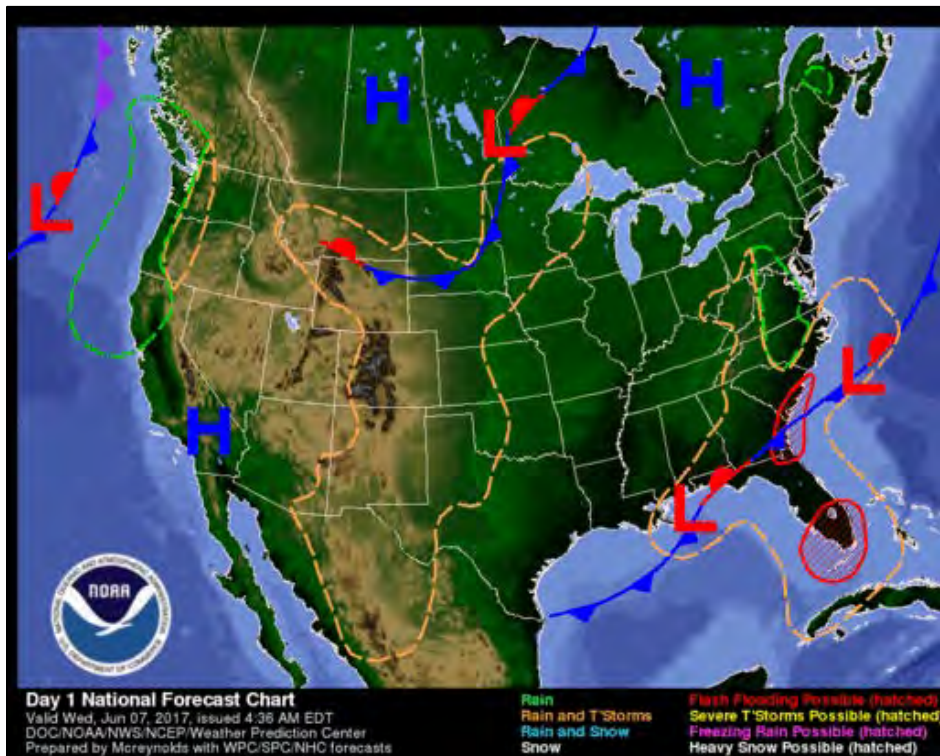
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and at the base of the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

## Significant National Weather

*Source: National Weather Service - June 7, 2017*



## Today

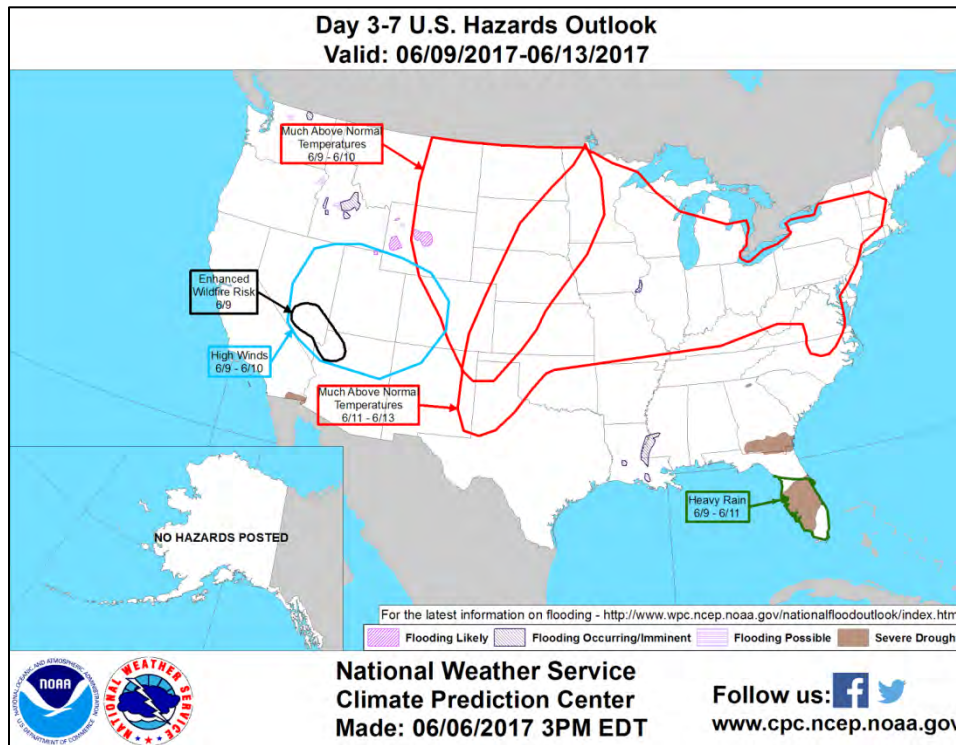
A frontal boundary will stretch from the Atlantic across the southern Georgia/Florida Panhandle to the western Gulf of Mexico. Rain and thunderstorms will develop from the central Appalachians south into the Southeast and Florida. Isolated severe thunderstorms will be possible across portions of Florida. Heavy rain is forecast to develop across southern Florida and the coastal sections of Georgia and South Carolina. This could lead to isolated areas of flooding and flash flooding. Rain showers will be possible from south-central Pennsylvania to central North Carolina. A weak weather system will slide across the northern Great Plains. Rain and

thunderstorms will develop from the upper Midwest to the Rockies, and from the southwest Plains into Mexico. Isolated severe thunderstorms will be possible today into tonight across portions of the Front Range of the Rockies, the High Plains, and portions of the upper Mississippi Valley. Elsewhere, as a Pacific frontal system approaches the Northwest coast, rain showers will develop from western British Columbia/Vancouver Island south along the coast to central California. Afternoon and evening showers and thunderstorms will also be possible across the Cascades.

### Tomorrow

A cold front will slice across central Florida into the Gulf of Mexico. Rain and thunderstorms will develop along the East Coast from Maine to Georgia, then across the Florida Peninsula. Additional areas of rain and thunderstorms will develop from northern New England down the spine of the Appalachians. A frontal boundary will extend from the western Great Lakes across South Dakota to the northern Rockies. Rain and thunderstorms will develop from the Great Lakes to the Great Plains and portions of the central Rockies. Isolated severe thunderstorms will be possible across the High Plains, where hail and wind are the primary threats. A Pacific frontal system will move ashore. Rain and thunderstorms will develop across the Northwest, the northern Rockies, and parts of the northern High Plains. Isolated severe thunderstorms are possible across western Montana, with hail and wind as the primary threats. Rain showers are likely for portions of central and northern California.

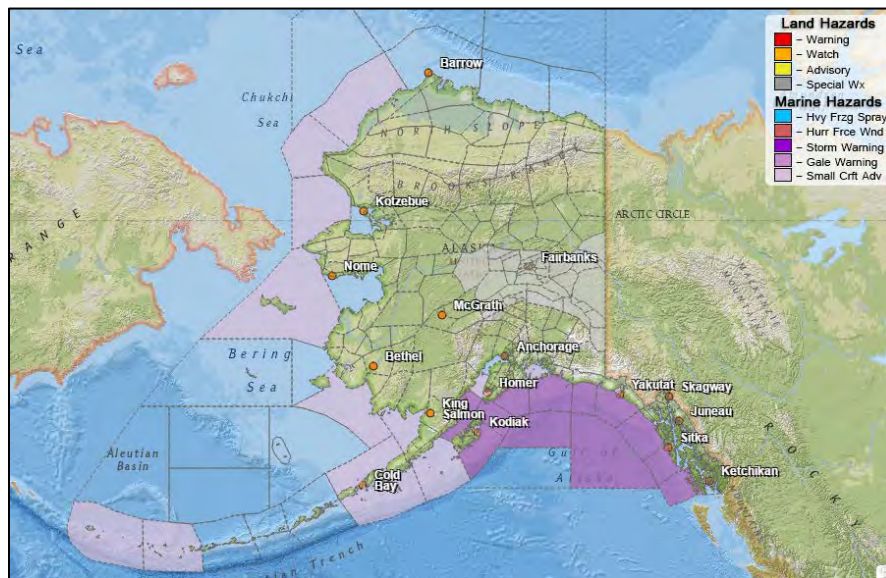
### Weather Hazard Assessment



- June 9: Critical fire weather for parts of Nevada and Arizona.
- June 9-10: High winds across portions of the southern Rockies, the central Rockies, the Great Basin, and the Southwest.
- June 9-10: Much above-normal temperatures across portions of the central Plains, the northern Plains, the northern Rockies, and the central Rockies.
- June 9-11: Heavy rain across portions of Florida.
- June 11-13: Much above-normal temperatures across portions of the Plains, the Northeast, the central Appalachians, the Great Lakes, the middle and upper Mississippi Valley, the mid-Atlantic, the Ohio Valley, and the Southeast.

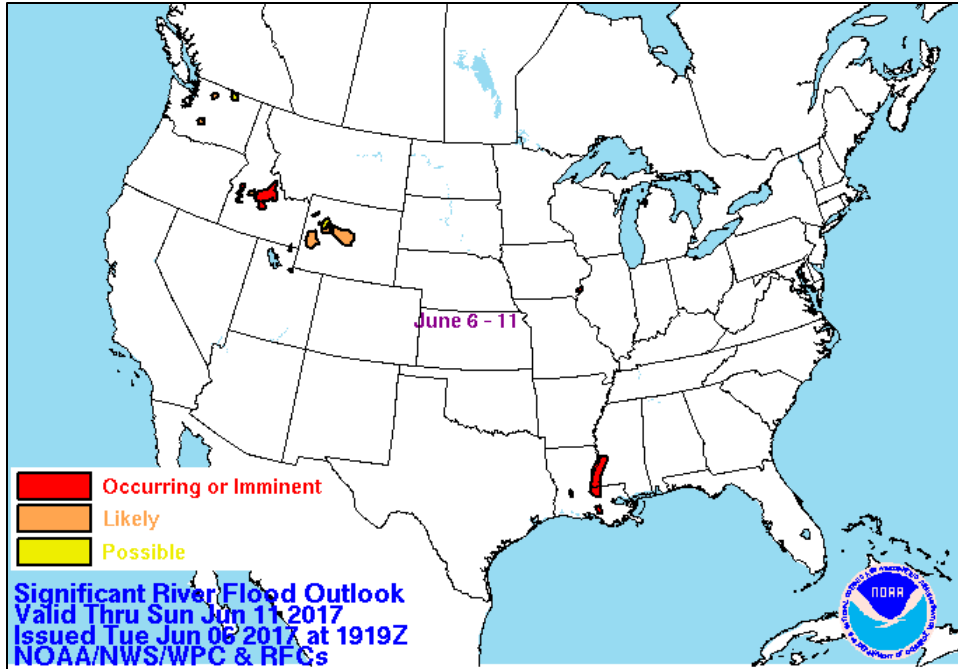
## Alaska Weather

There is a Gale Warning in effect across most of the Gulf of Alaska and the Clarence Strait. There is a Small Craft Advisory in effect for much of the western and eastern Aleutian Islands, the Kuskokwim Delta, the Etolin Strait, Bristol Bay, the Cook Inlet, the Prince William Sound, and from Dall Point to Point Franklin.



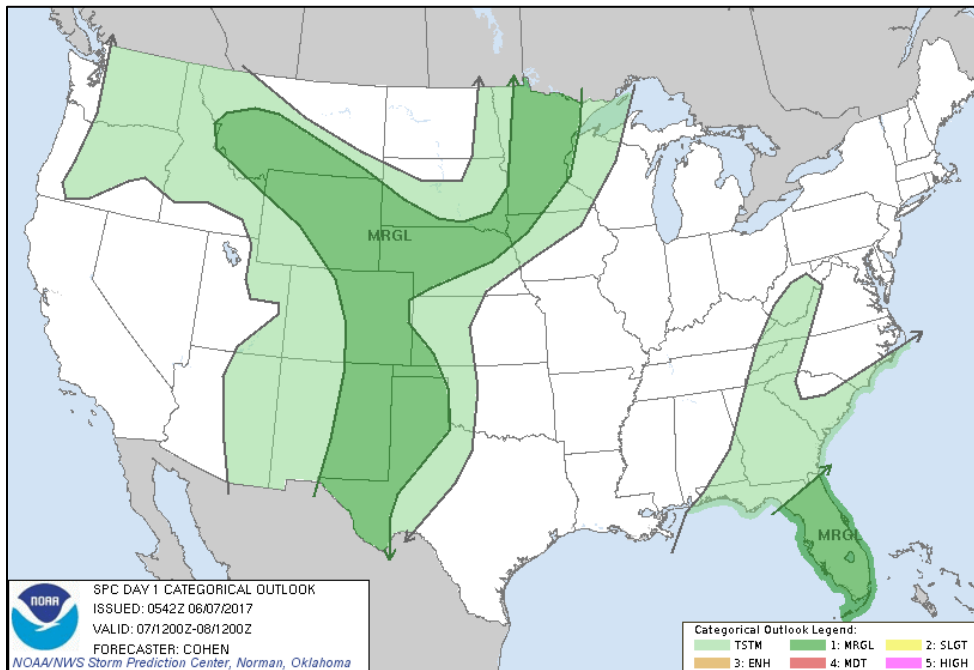
## Significant River Flooding

Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western Illinois, western and central Wyoming, northern Utah, Idaho, and Washington.



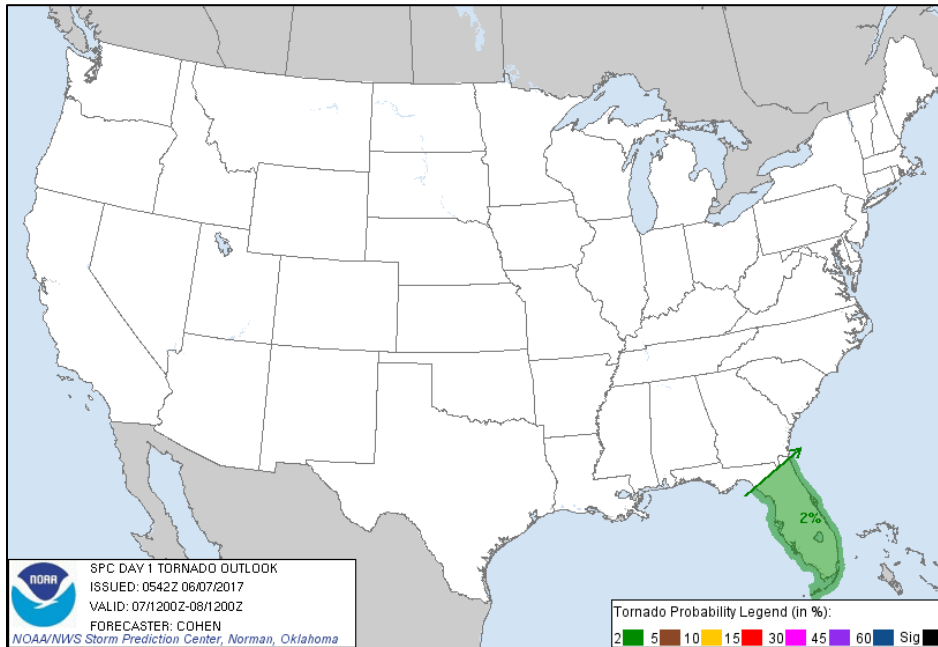
### Severe Weather

There is a Marginal Risk of severe thunderstorm activity today across portions of the Front Range of the Rockies, the High Plains, the Mississippi Valley, and across Florida.



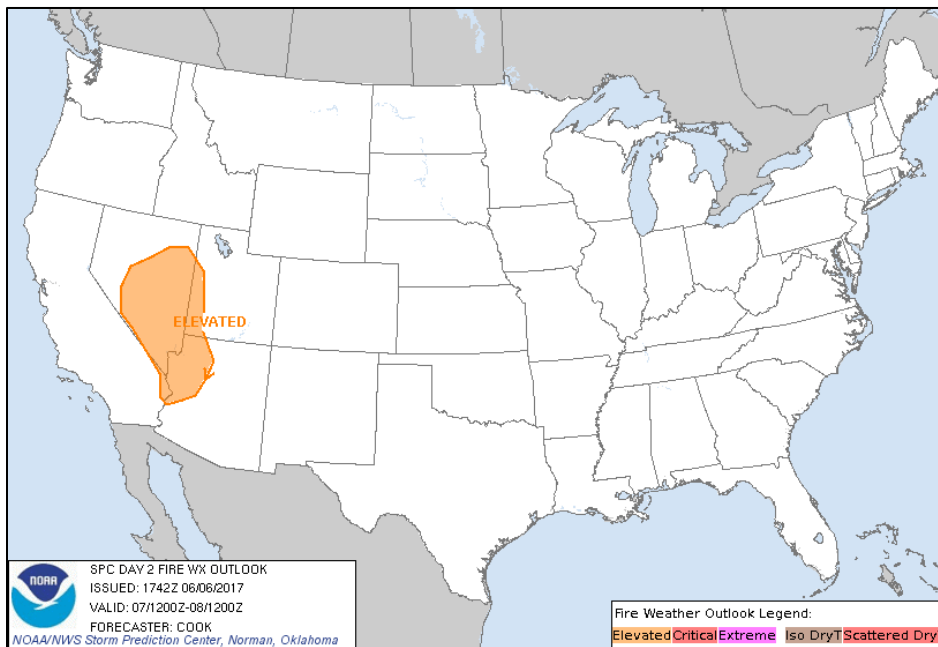
## Tornado Weather

There is a 2-percent chance of tornado activity today across Florida.



## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S; however, there is Elevated Fire Weather forecast for central and southern Nevada, western Utah, western Arizona, and a small portion of southeastern California.



*\*End of Report\**

**Distribution:**

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IOS Senior Officials

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, June 8, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## U.S. Bureau of Reclamation Dam Response Activity

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: Bureau of Reclamation - June 7, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming. The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. The Response Level 2 was declared due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs).

The dam is currently operating appropriately, and there are no concerns with dam safety. On June 6, the reservoir water surface (RWS) elevation was observed to be 6,413.6 feet, calculated inflows were 542 cfs, and releases were 310 cfs. The reservoir has risen an additional 3.4 feet since the previous report. As of June 6, downstream flows in Owl Creek were observed to be 470 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

## **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: Bureau of Reclamation - June 7, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. The Response Level 1 was declared due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands.

The Bull Lake Dam remains in a Response Level 1. As of June 6, the RWS elevation was 5,784.6 feet, calculated inflows were 2,434 cfs, and releases were 1,425 cfs. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office is continuing to monitor the situation and will issue updates as warranted.

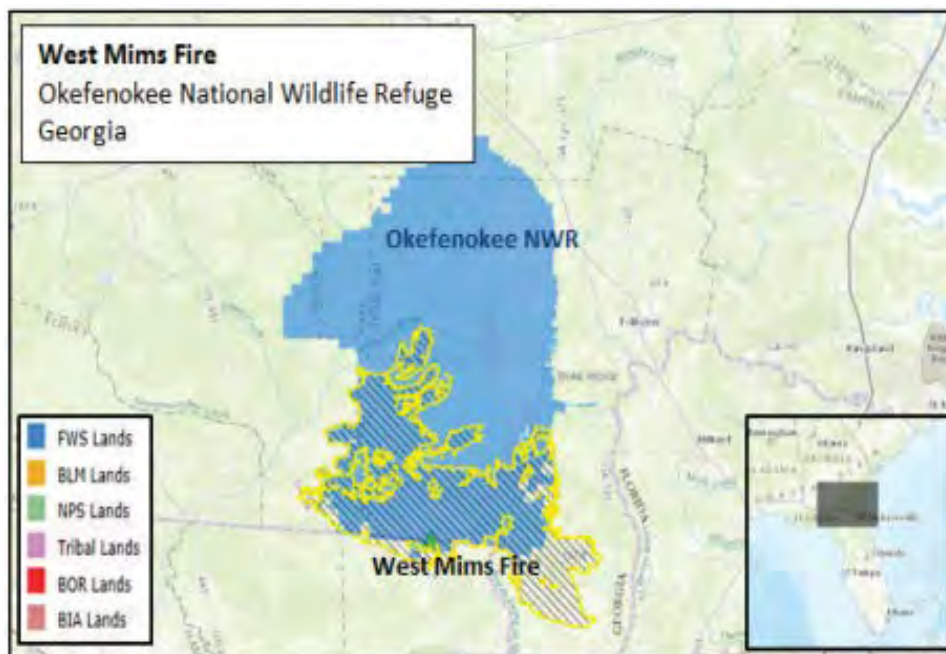
## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 8, 2017*

The **Cottonwood Trail Fire** (Utah) is now 100-percent contained and will no longer be summarized in this report.

## **Georgia Fires**

### **West Mims Fire**



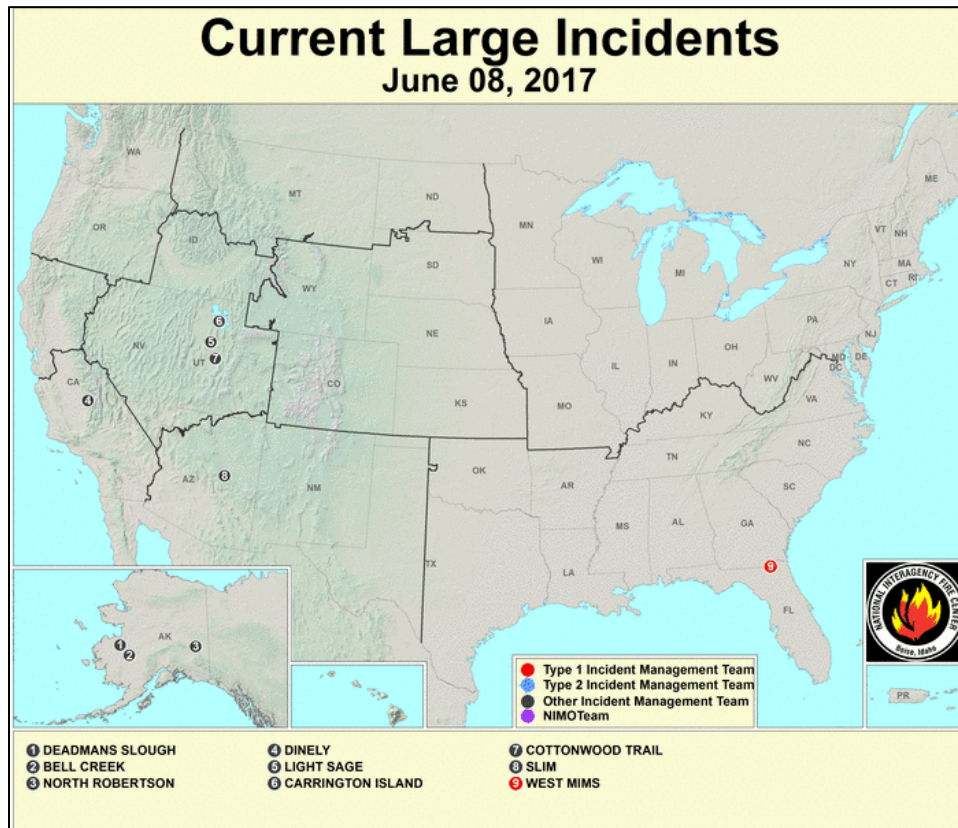
*IGEMS Image*

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)

- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 349 (-45) / 96 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this observation period. Heavy rain has fallen across the fire since Monday, with 2 inches of rain received on the southeastern parts of the fire and 5 inches of rain in the western portions. Today, high pressure is expected to build over the fire, ending the threat of thunderstorms and bringing drier air to the area. The dry weather is expected to continue through Friday.

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – June 8, 2017*

**National Preparedness Level 2**  
**National Fire Activity**

Initial attack activity:	Light (118 new fires)
New large fires:	2
Large fires contained:	1
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Volcano Activity**

**Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 7, 2017

**Alert Level = WATCH**  
**Color Code = ORANGE**

On June 7, a new lava dome was observed in satellite data of the Bogoslof Volcano, and three short-duration explosive events occurred from June 6 to June 7. The lava dome, which is located in the northern portion of the vent lagoon breached sea level and is about 360 feet inches diameter. A steam plume was visible in satellite data yesterday, and the plume extended about 46 miles to the south over the western portions of Unalaska Island. The plume had an estimated altitude of less than 10,000 feet above sea level. Some past eruptions of Bogoslof have ended with the emplacement of a lava dome, but in other cases, lava effusion has been followed by additional explosions. If future explosions do occur, the resulting volcanic cloud could be more ash-rich than those that have occurred in the sequence that began in 2016. The AVO reports that this activity is consistent with an Aviation Color Code of Orange and an Alert Level of Watch.

**Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 7, 2017

**Alert Level = WATCH**  
**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and elevated surface temperatures, consistent with lava effusion at the summit crater, were observed in satellite images on Tuesday night. No activity has been observed in seismic and infrasound data during this reporting period, and no obvious degassing was observed from the volcano's summit. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-

producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 7, 2017*

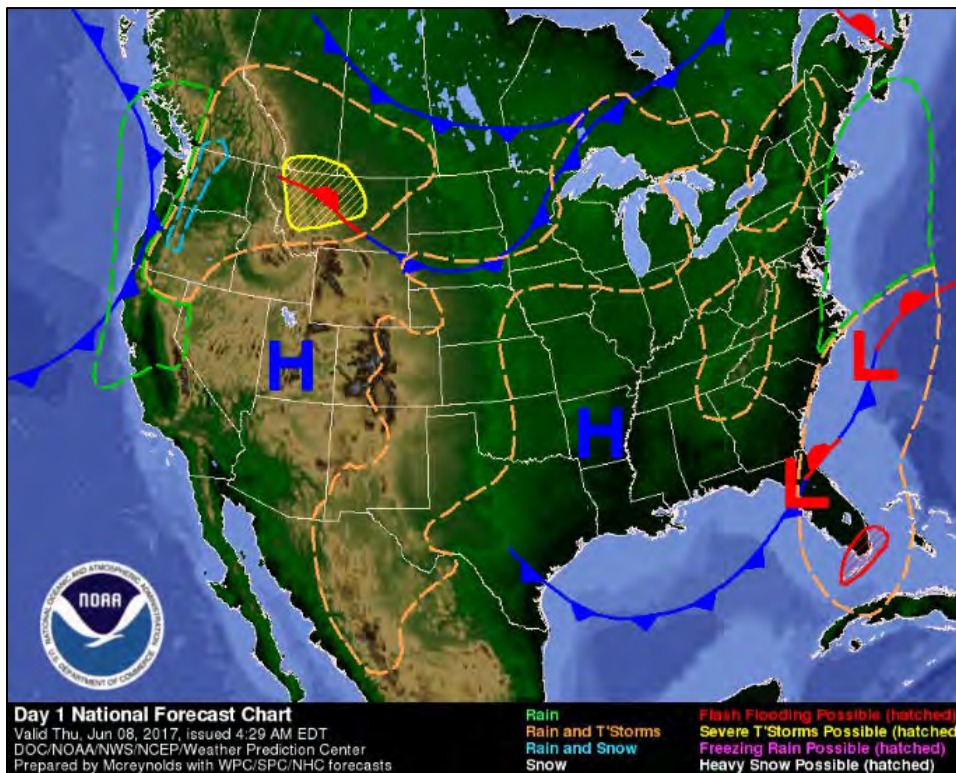
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change in either eruption. The summit lava lake was observed to be about 92 feet below the floor of Halema‘uma‘u Crater on Wednesday morning. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and in the vicinity of the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground surface deformation and seismicity continue across the volcano.

### **Significant National Weather**

*Source: National Weather Service - June 8, 2017*



### **Today**

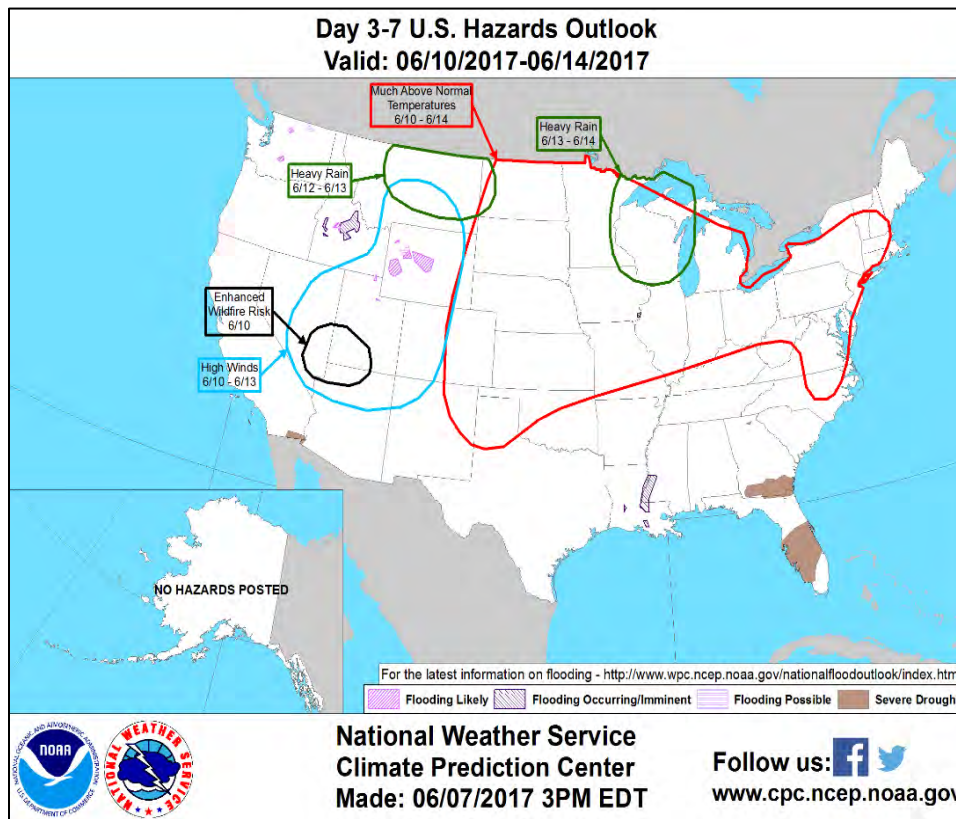
A strengthening coastal storm will skirt eastern North Carolina today, bringing winds in excess of 45 mph, up to 2 inches of rain, and rip currents along the coast. A significant system moving into the Pacific Northwest is expected to bring heavy rain to Washington state, Oregon, and

northern California, with snow expected at higher elevations. Severe thunderstorms are possible for western Montana, which may also bring gusty winds and hail.

### Tomorrow

An offshore east coast storm will rapidly intensify overnight. There is a possibility it may track west and clip Cape Cod, with brief periods of wind and rain. Farther south, rain will depart the southeast U.S. coast as heavy rain over southern Florida becomes more wide scattered. The lingering front will however keep a chance of showers and thunderstorms in the vicinity. The Pacific Northwest will continue to see waves of moisture through the day.

### Weather Hazard Assessment



- June 8: Severe drought across the Southeast, the southern Appalachians, California, and the Southwest.
- June 8: Flooding is occurring, imminent, likely, or possible across the Mississippi Valley, the northern and central Intermountain region, and the Rockies.
- June 10: Enhanced wildfire risk across the central Great Basin and the Southwest.
- June 10-13: High winds across portions of the northern High Plains, the central and southern Rockies, and the central and southern Great Basin.
- June 10-14: Much above-normal temperatures across the Great Plains, the upper and middle Mississippi Valley, the Great Lakes region, the Ohio Valley, the northern and central Appalachians, and along the Atlantic coastal plain from central New England to North Carolina.

- June 12-13: Heavy rain across portions of the northern High Plains.
- June 13-14: Heavy rain across parts of the Great Lakes and the upper Mississippi Valley.
- June 15: Slight risk of much above-normal temperatures for portions of the Northeast, the mid-Atlantic, the northern and central Appalachians, the southern Great Lakes region, and from the Ohio Valley westward to Illinois.

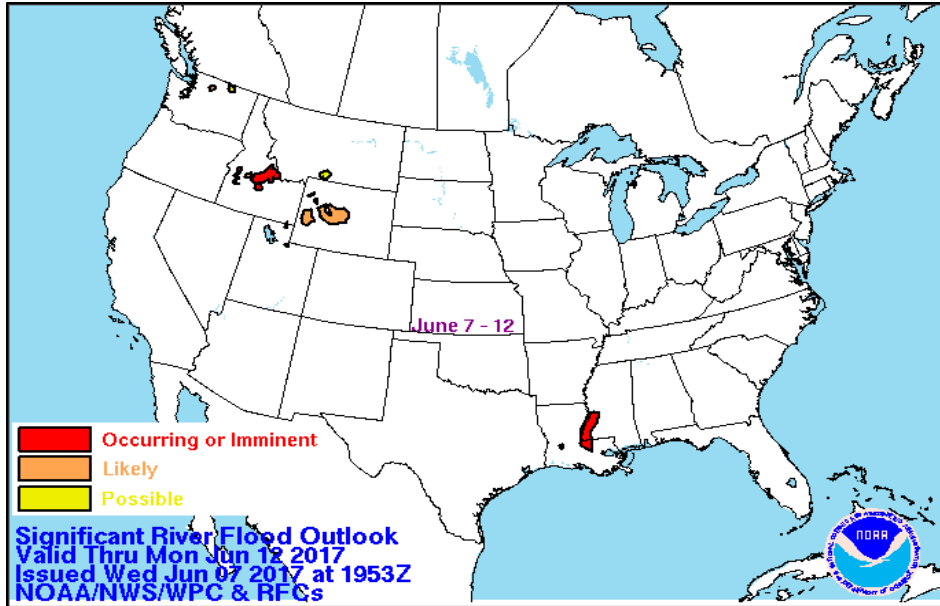
## Alaska Weather

There is a Small Craft Advisory in effect for the Gulf of Alaska, the eastern Aleutians, the western Aleutians, St. Lawrence Island, from Dall Point to Wales, and along Alaska's northern coastline from Cape Thompson to Demarcation Point. The National Weather Service has issued a Special Weather Statement for parts of central and east-central Alaska for rising water levels due to snowmelt in the Alaska Range.



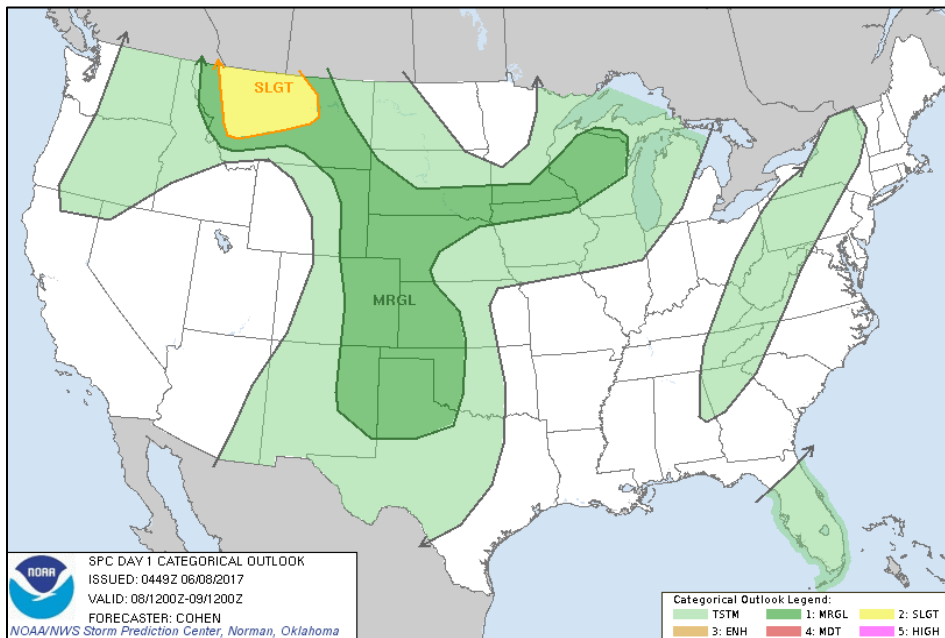
## Significant River Flooding

Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, southwestern Louisiana, western and central Wyoming, south-central Montana, northern Utah, Idaho, and northern Washington.



### Severe Weather

There is a Slight Risk of severe thunderstorm activity today across portions of Montana. There is a Marginal Risk of severe thunderstorms across the northern Rockies, the High Plains, and from the northern and central Plains to the upper Mississippi Valley.

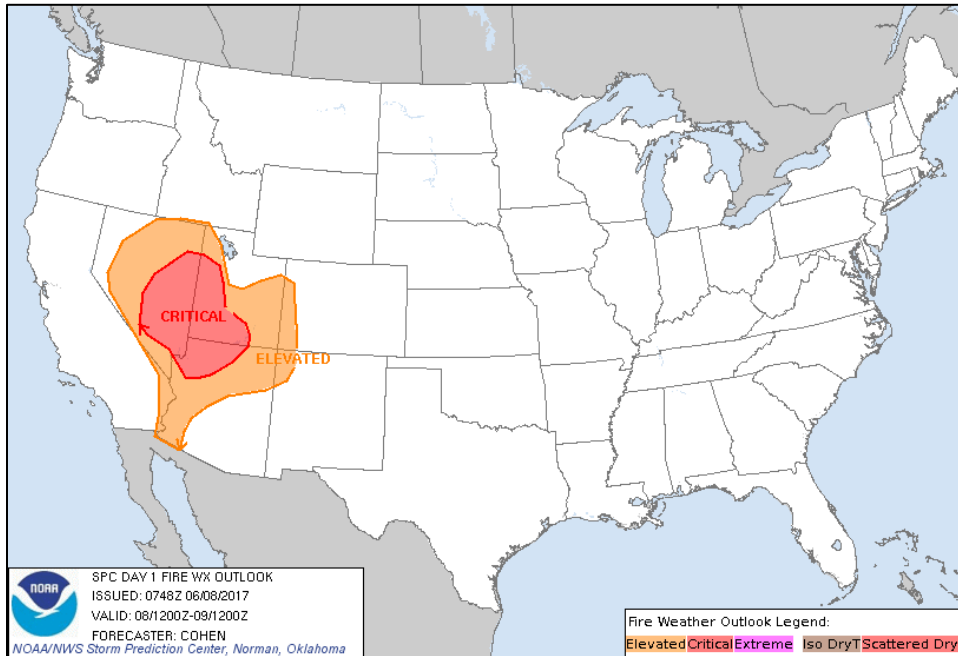


### Tornado Weather

There is less than a 2-percent chance of tornado activity today in all areas of the U.S.



## Fire Weather



There is Critical Fire Weather forecast today for eastern Nevada, southwestern Utah, and northwestern Arizona. There is Elevated Fire Weather forecast for Nevada, Utah, western Colorado, northwestern New Mexico, northern and western Arizona, and a portion of southeastern California.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, June 9, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

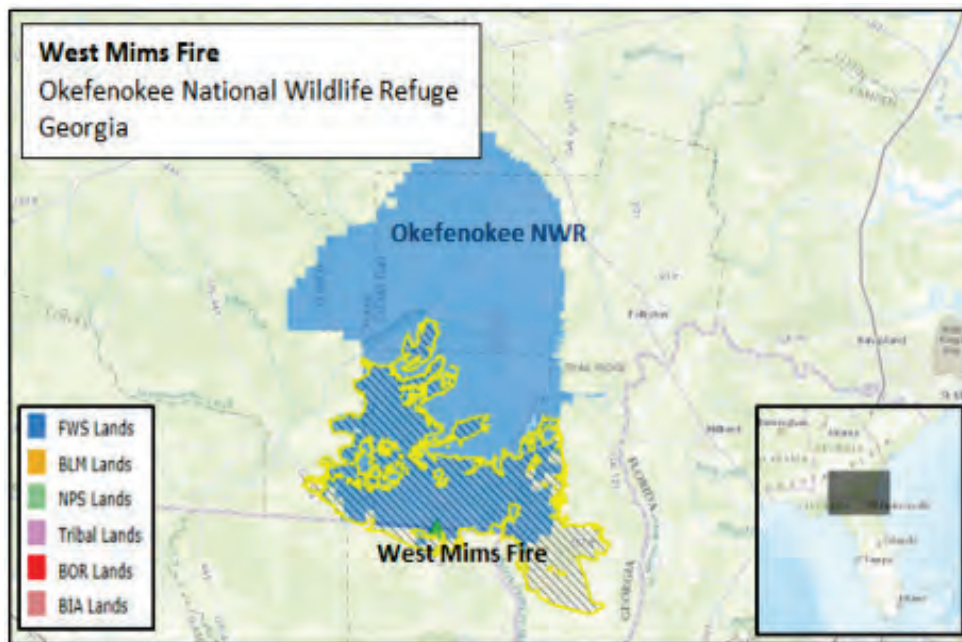
*Source: Fire and Aviation Management Website - June 9, 2017*

## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 65-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 269 (-80) / 63 (-33)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire activity was described as minimal during this observation period as recent rainfall has kept fuel moisture high and suppressed fire behavior. The rain ended yesterday, and conditions will be mostly sunny and dry today and tomorrow. Area, trail, and road closures remain in effect. All Okefenokee National Wildlife Refuge entrances are now open with limited visitor opportunities due to low water levels and the presence of firefighting equipment. A burn ban remains in effect within the refuge.



IGEMS Image

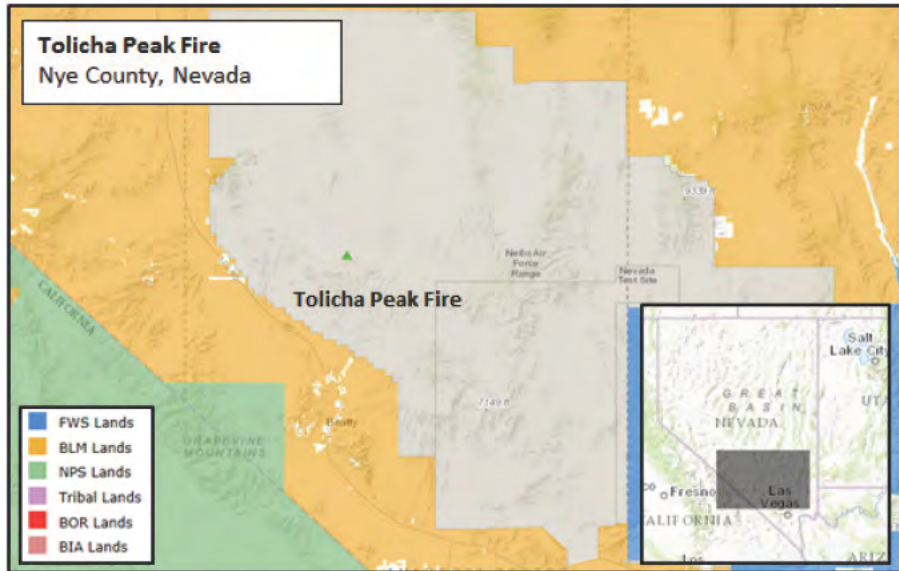
## Nevada Fires

### **Tolicha Peak Fire (Initial Report)**

- Start Date: June 7
- Location: Nye County, NV
- Burned Acres: 2,272
- Containment: 19-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 50 / 50
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 5
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 10

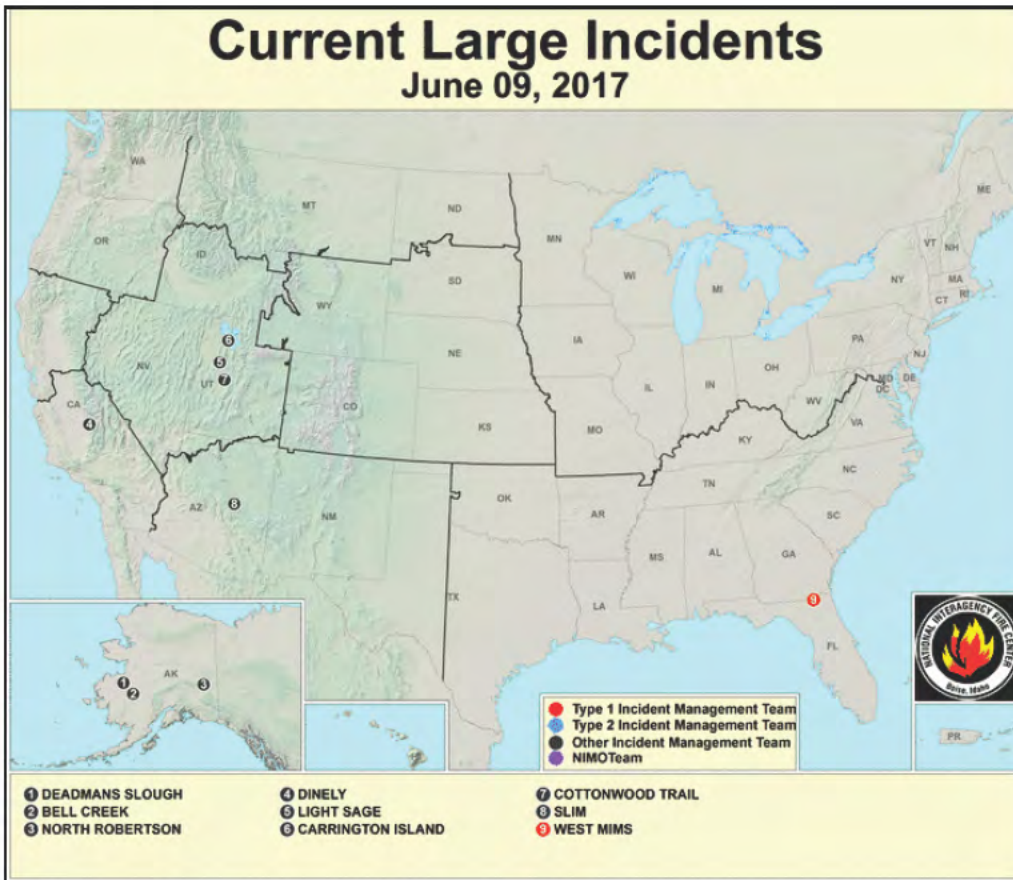
Comments: The fire is burning on Department of Defense property, but is being managed by Bureau of Land Management personnel. Some communication sites are threatened. Fire

behavior was minimal during this observation period, and additional reporting is not expected as full containment is likely to occur over the weekend.



IGEMS Image

### Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 9, 2017

### National Preparedness Level 2

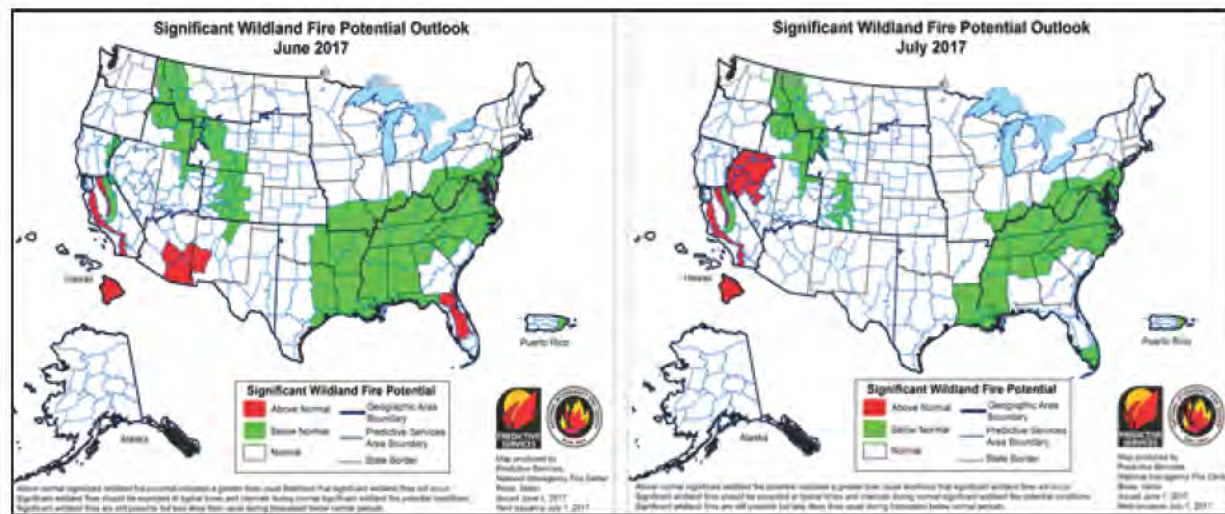
### National Fire Activity

Initial attack activity:	Light (94 new fires)
New large fires:	14
Large fires contained:	2
Uncontained large fires: **	12
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### National Significant Wildland Fire Outlook

Source: National Interagency Fire Center – June 1, 2017



NIFC Image

Above-normal large fire potential will continue across southeastern Georgia and Florida into mid-June before the cumulative effects of the recent precipitation begins to take effect. Below-normal potential is expected across most of the remainder of the Southeast through July, but will return to normal in August and September. Recent dry conditions across the Southwest will lead to above-normal fire potential across southeastern Arizona and southern California. Below-normal to normal large fire potential is expected in the majority of the higher elevations across the West in June and July. Above-normal potential is expected across the western portions of the Great Basin and the middle elevations in California in July and August, after the abundant grass crop cures. The fire activity will be mostly driven by short term weather events. Alaska appears to be transitioning into a normal fire season for June and July, with late summer rains ending the

season across the state's interior in August. Extended dry conditions on the western side of the Big Island of Hawaii will lead to above-normal fire potential into September.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano. On June 7, a short-duration explosive event generated a small volcanic cloud that was visible in satellite images. The cloud rose to an altitude of approximately 10,000 feet above sea level and quickly dissipated. No new explosive activity has been observed in seismic or infrasound data since that time. A steam plume was observed in satellite images throughout the day on June 7, which was likely due to the interaction between seawater and the newly emplaced lava dome. There have been no new observations of the lava dome since Wednesday, and it is unclear whether lava effusion and dome growth continues.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no activity was observed in seismic, infrasound, or satellite data during this observation period. Slow lava effusion in the summit crater may still be occurring. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and in the vicinity of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are posing no threat to nearby communities. A magnitude 5.3 earthquake occurred yesterday, to the southwest of Pu'u'ō'ō, and the earthquake had no immediate effect on the eruption.

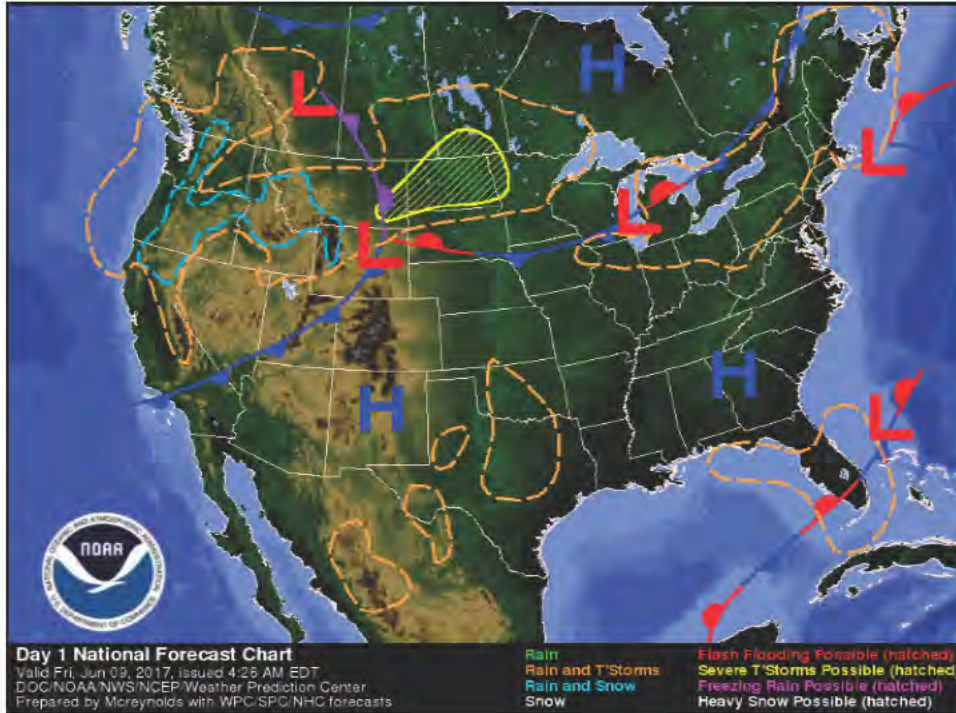
## Earthquake Activity

Source: U.S. Geological Survey – June 8, 2017

The United States Geological Survey (USGS) reported that a magnitude 5.3 earthquake occurred on June 8 at 1:01 p.m. EDT, approximately 27.6 miles south of Hilo, Hawaii at a depth of 4.4 miles. There have been no reports of damages or injuries, and no tsunami was generated.

## Significant National Weather

Source: National Weather Service - June 9, 2017



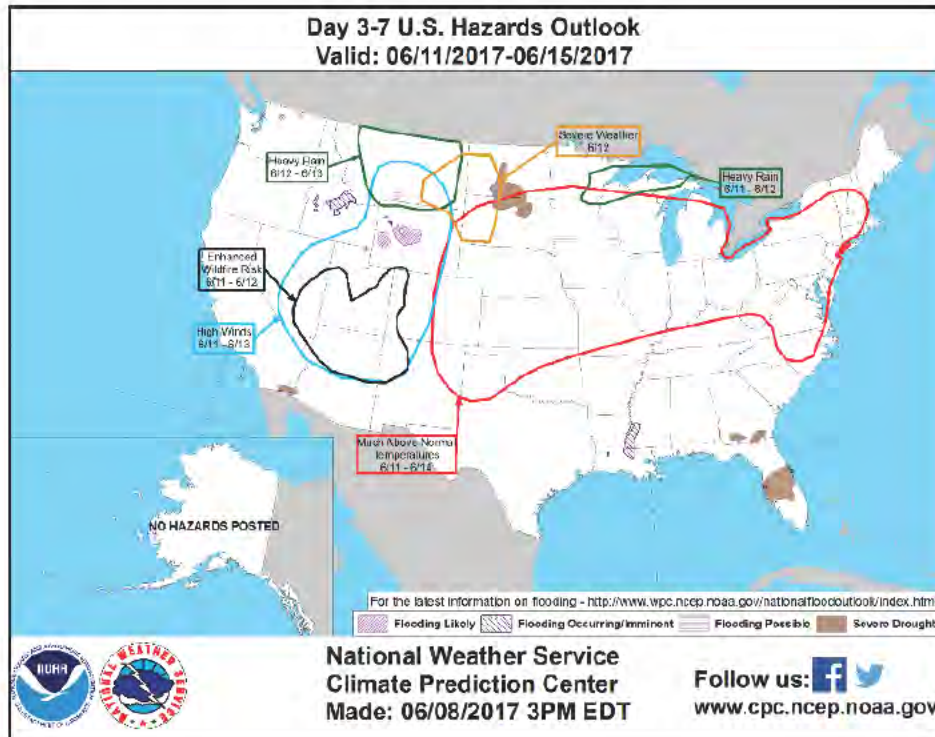
### **Today**

Expect a slight chance of severe storms from eastern Montana into North Dakota with a marginal chance of severe weather for a large portion of the northern Plains containing large hail and high winds. Rain showers and thunderstorms extend from New England to Iowa. Mixed rain and snow will fall across the Bitterroots and Cascades of the northwest as cold air settles in. Expect red Flag Warnings in southeast Alaska. Flooding will continue in the northern Rockies from rapid snowmelt, but will slow with cooling temperatures.

### **Tomorrow**

Rain showers are expected in the Pacific Northwest with mixed rain and snow for higher elevations of the Bitterroots and Cascades. A lingering warm front over Florida will continue to produce showers and weak thunderstorms over the state and portions of the Gulf Coast. The Northeast will experience dry conditions and warming temperatures as a frontal system positions itself from upper Midwest to New England. Humidity and temperatures will rise over the Southeast and mid-Atlantic as high pressure starts to move offshore allowing for southerly winds.

## Weather Hazard Assessment



- June 9: Severe drought across the Southeast, California, the northern Plains, and the Southwest.
- June 9: Flooding is occurring, imminent, likely, or possible across portions of the Plains, the northern Rockies, the northern Great Basin, and the lower Mississippi Valley.
- June 11-12: Enhanced wildfire risk across portions of the the southern and central Rockies, the central Great Basin, and the Southwest.
- June 11-12: Heavy rain across portions of the Great Lakes and the upper Mississippi Valley.
- June 11-13: High winds across portions of the central and northern Plains, the Rockies, the Great Basin, and the Southwest.
- June 11-14: Much above-normal temperatures across portions of the Plains, the central and southern Rockies, the Northeast, the central and southern Appalachians, the Great Lakes, the middle and upper Mississippi Valley, the mid-Atlantic, and the Ohio Valley.
- June 12: Severe weather across portions of the northern Plains.
- June 12-13: Heavy rain across portions of the northern Plains and the northern Rockies.
- June 17-22: Slight risk of much above-normal temperatures for portions of California, the Great Basin, the Pacific Northwest, and the Southwest.

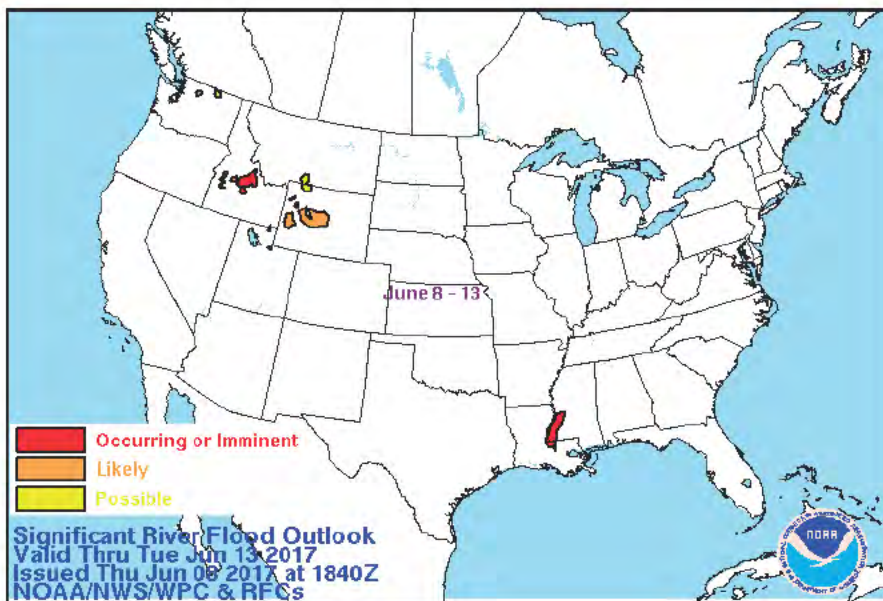


## Alaska Weather



There is a Gale Warning in effect from Cape Thompson to Point Franklin. A Brisk Wind Advisory is in effect from Point Franklin to Demarcation Point. There is a Small Craft Advisory in effect for portions of the eastern Gulf of Alaska, the central and eastern Aleutians, St. Lawrence Island, and from Dall Point to Wales. The National Weather Service has issued a Special Weather Statement for parts of central and east-central Alaska for rising water levels due to snowmelt in the Alaska Range.

## Significant River Flooding



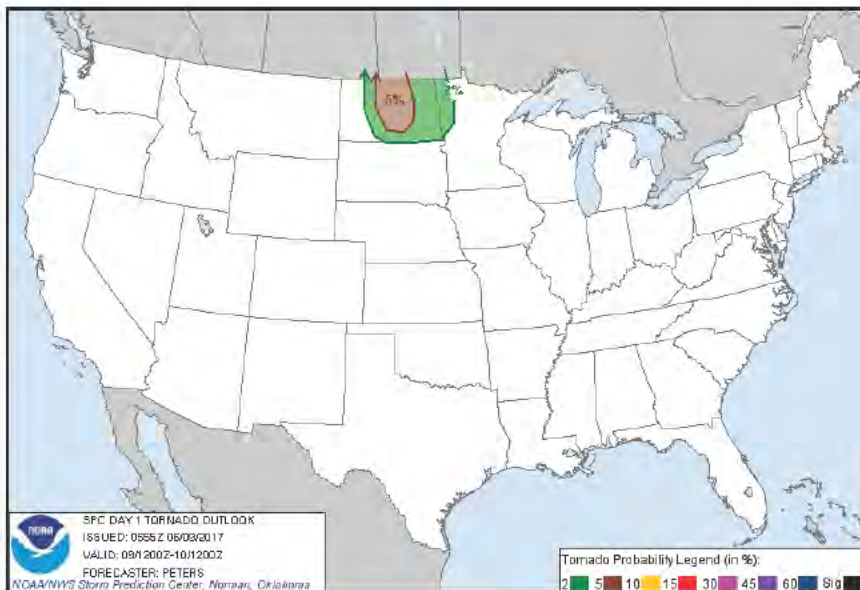
Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western and central Wyoming, south-central Montana, northern Utah, central Idaho, and northern Washington.

### Severe Weather



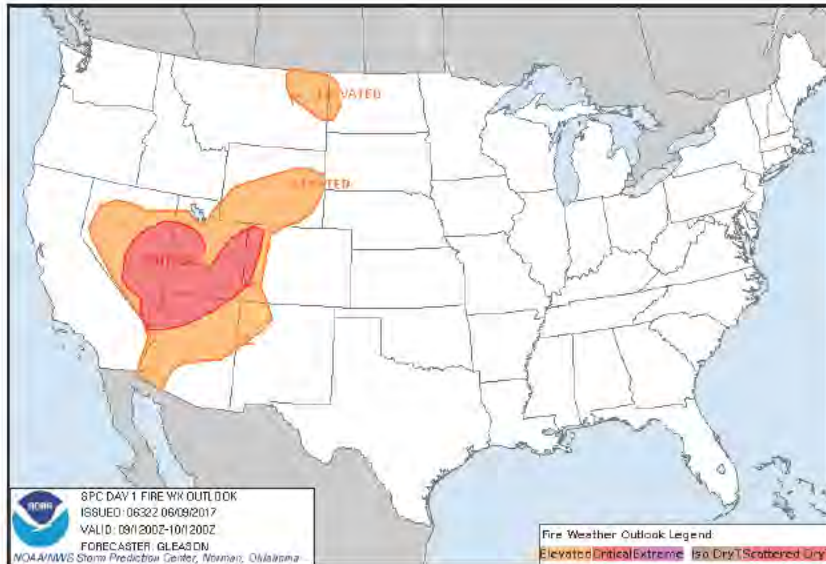
There is a Slight Risk of severe thunderstorm activity today across much of North Dakota and into northwestern Minnesota and eastern Montana. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area from eastern Montana and northern South Dakota to northern Minnesota.

### Tornado Weather



There is a 5-percent chance of tornado activity today for central North Dakota. There is a 2-percent chance of tornado activity today for North Dakota and northwestern Minnesota.

## Fire Weather



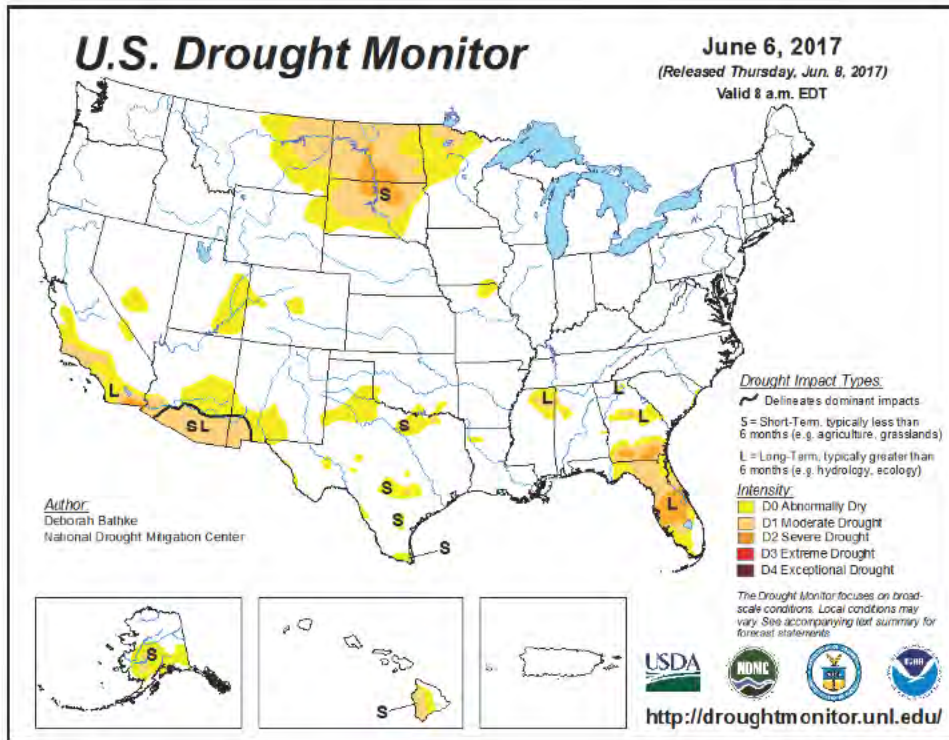
There is Critical Fire Weather forecast today for eastern Nevada, Utah, western Colorado, and northwestern Arizona. There is Elevated Fire Weather forecast for Nevada, Utah, western Colorado, northwestern New Mexico, Arizona, Wyoming, northeastern Montana, western North Dakota, and a portion of southeastern California.

## Other News and Notes

### U.S. Drought Monitor

*Source: National Drought Mitigation Center - June 8, 2017*

Above-normal rainfall fell across the southern and eastern portions of the U.S. over the past week. The rainfall eliminated the lingering abnormally dry areas in the Northeast and helped to alleviate drought conditions across parts of Texas, Georgia, and Florida. Due to variations in rainfall amounts, pockets of dryness remain in the Texas Panhandle and southeastern Oklahoma, and this has led to the expansion of abnormally dry conditions in some areas. Warm and dry weather, combined with high winds in the northern Plains, continued to dry out vegetation and deteriorate drought conditions while drought persisted across the Southwest.



***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, June 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## DOI Bureau Report

### **Bureau of Reclamation Response to Anchor Dam - Response Level 2**

*Source: Bureau of Reclamation - June 9, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. The dam is currently operating appropriately, and there are no concerns with dam safety. As of June 9, downstream flows in Owl Creek were observed to be 530 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office continues to monitor the situation, to include maintaining contact with local emergency management agencies and the National Weather Service, and will provide updates as warranted.

### **Bureau of Reclamation Response to Bull Lake Dam - Response Level 1**

*Source: Bureau of Reclamation - June 9, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to

high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of June 8, the reservoir water surface elevation was 5,786 feet, calculated inflows were 2,648 cfs, and releases were 1,892 cfs.

The Bull Lake Dam remains in a Response Level 1. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Lincoln Memorial Reflecting Pool to be Drained and Cleaned**

*Source: National Park Service - June 9, 2017*

On Sunday, June 11, the National Park Service was scheduled to drain the Lincoln Memorial Reflecting Pool for cleaning and treatment of a water-borne parasite that has affected the local duck population. The pool should be refilled and operational again by Monday, June 19.

Beginning May 20 and 21, approximately 80 ducklings have been found deceased in the Lincoln Memorial Reflecting Pool. Necropsies performed on the ducks by the U.S. Geological Survey's National Wildlife Health Center suggests the cause of death was high levels of parasites that develop and grow in snails that live in the pool. Chemical treatments alone are not sufficient to fully reduce the parasite and snail population, so the pool must be drained and cleaned.

Humans who come in contact with the parasite could develop "swimmer's itch" (cercarial dermatitis), an allergic reaction in the form of a skin rash; it is not contagious and rarely requires medical treatment. The risk of contracting this dermatitis at the Lincoln Memorial Reflecting Pool is extremely low, as it is only contracted by sustained contact with affected water, such as swimming or wading.

Crews will begin cleaning the pool bottom on Tuesday, June 13. Once the cleaning is completed, refilling the Reflecting Pool will commence on Friday, June 16. The National Park Service will continue to monitor the water quality of the pool post-cleaning.

### **USGS Response to South Florida Flooding**

*Source: U.S. Geological Survey - June 9, 2017*

The U.S. Geological Survey (USGS) reported that from June 5 through June 9, between 4 and 14 inches of rainfall was recorded throughout Broward, Hendry, Palm Beach, Martin, and Miami-Dade Counties. The high amount of rainfall overloaded the regional canal and groundwater systems, which caused localized flooding. Additional rainfall is expected through the end of this week. To reduce flooding, water in the canals is being diverted away from the affected areas and into Lake Okeechobee and other canals outside of the flooded areas.

USGS field crews are making discharge measurements at gage locations of high water movement. Though no peaks of record are expected, flows at this magnitude have not been measured at many of the affected gages since 2012.

## **Wildland Fire Activity**

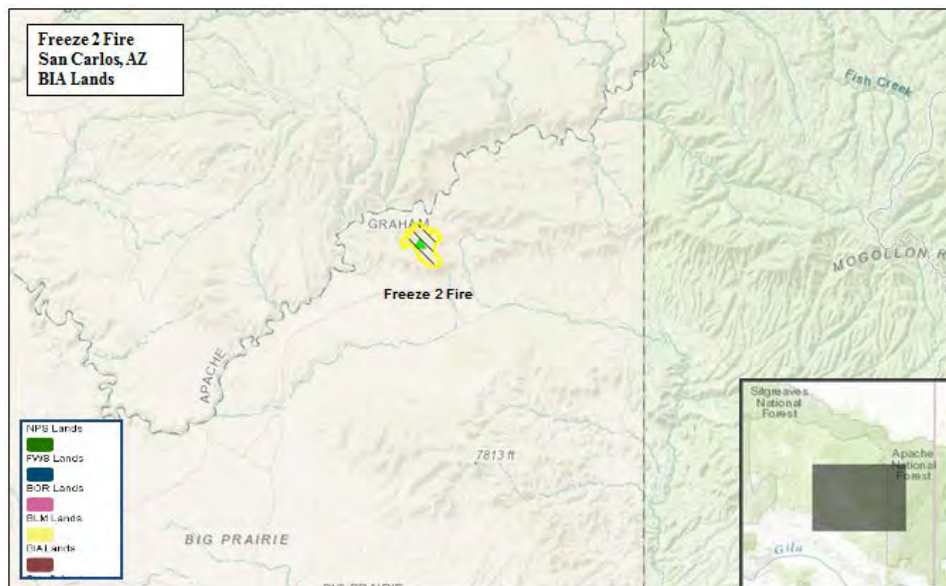
**Source:** Fire and Aviation Management Website - June 12, 2017

### **Arizona Fires**

#### **Freeze 2 Fire (Initial Report)**

- Start Date: June 1
- Location: San Carlos, AZ (BIA)
- Burned Acres: 2,106
- Containment: 25-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 337 / 120
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 19

Comments: Fire activity was described as moderate, with creeping, backing, and smoldering during this observation period. An area of low pressure will bring cool, windy, and dry conditions with humidity in the mid to low teens. No damage to structures has been observed; however, three uninhabited historic structures have been identified near the fire perimeter. Measures have been taken to protect these structures. Recreation permits have been temporarily suspended by San Carlos and Fort Apache to reduce risk to public.



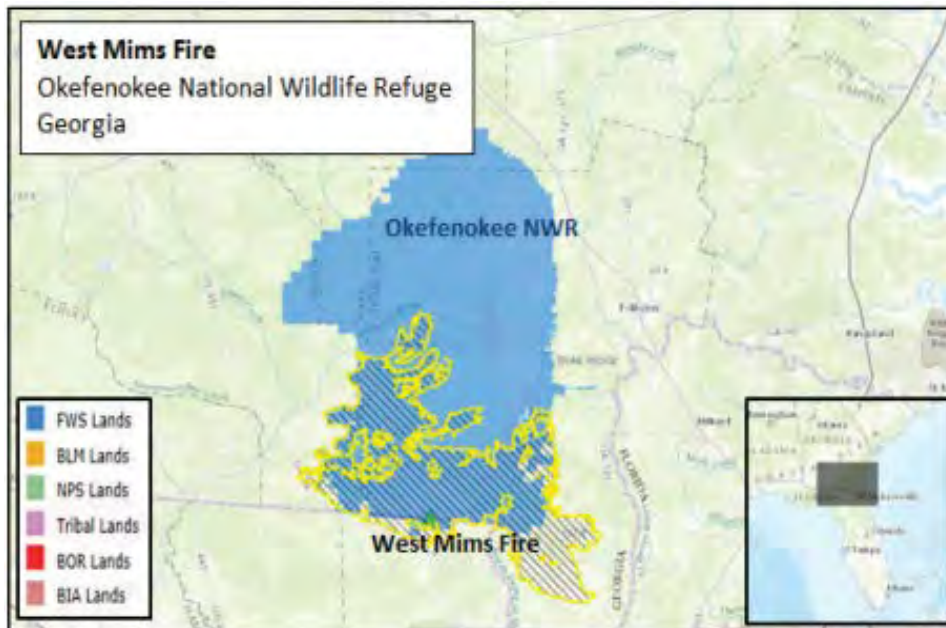
IGEMS Image

## Georgia Fires

### West Mims Fire

- Start Date: April 6
- Location: Okefenokee National Wildlife Refuge, GA (USFWS)
- Burned Acres: 152,515 (no change)
- Containment: 90-percent (+25)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 116 (-153) / 47 (-16)
- Structures Threatened-Single-Mixed Residential/Commercial: 320 (no change) / 7 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: November 1

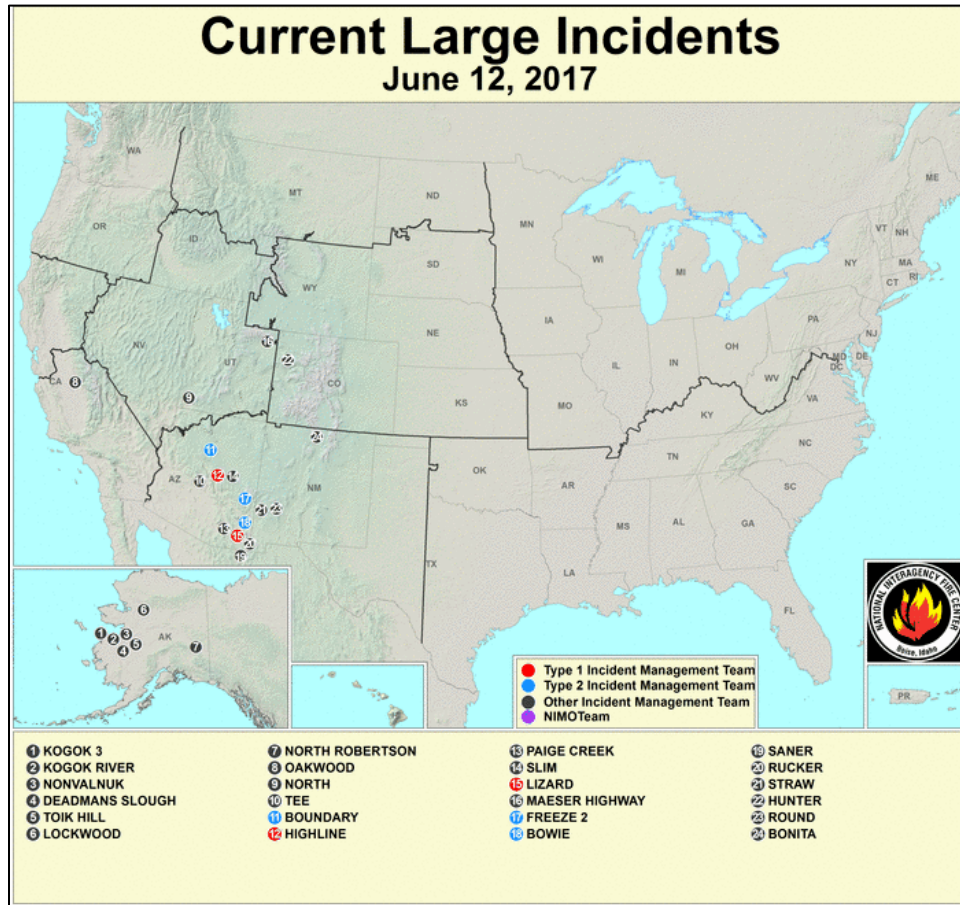
Comments: Fire activity was described as minimal during this observation period. Cloudy and humid weather began over the fire with active thunderstorms and rain. As moisture increases over the next few days, thunderstorms will become more active. Little fire activity is expected over the next several days. Area, trail, and road closures remain in effect. All Okefenokee National Wildlife Refuge entrances are open with limited visitor opportunities due to low water levels and the presence of firefighting equipment.



IGEMS Image



## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 12, 2017

### National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (79 new fires)
New large fires:	7
Large fires contained:	4
Uncontained large fires: **	14
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 11, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano. On June 10, a small explosive event generated a small volcanic cloud that was visible in satellite images and temporarily raised the Aviation Color Code to RED and the Volcano Alert Level to WARNING. An ash cloud was reported to have risen to an altitude of approximately 30,000 feet above sea level. No new explosive activity has been observed in seismic or infrasound data since that time. The Aviation Color Code has since been lowered to ORANGE. The Volcano Alert Level is WATCH.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 11, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no activity was observed in seismic, infrasound, or satellite data during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 11, 2017*

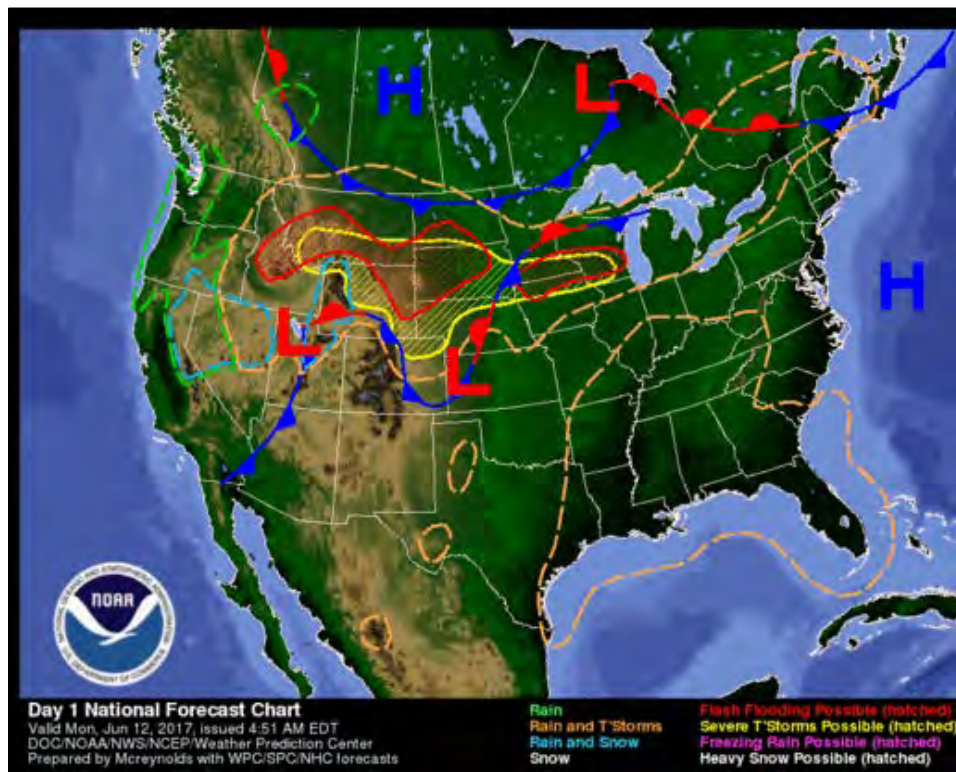
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and in the vicinity of the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are pose no threat to nearby communities. A magnitude 5.3 earthquake occurred yesterday to the southwest of Pu'u'ō'ō, but the earthquake had no immediate effect on eruption. Low rates of ground deformation and seismicity continue across the volcano.

## ***Significant National Weather***

*Source: National Weather Service - June 12, 2017*



### **Today**

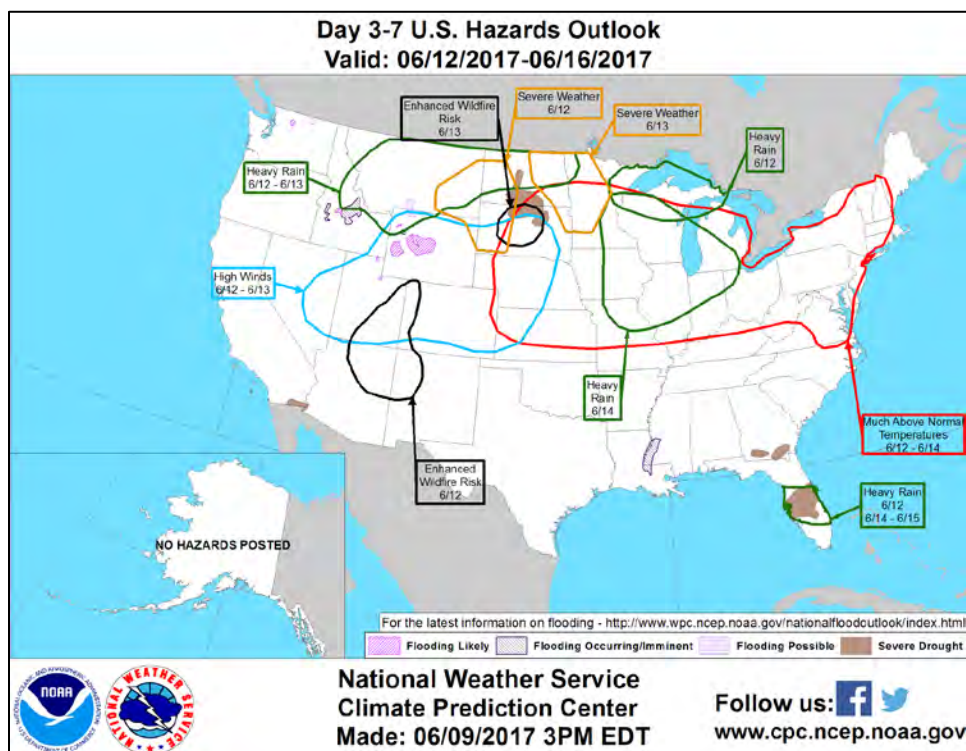
Showers and thunderstorms will develop across the Ohio/Tennessee valleys, the Deep South, and the lower Mississippi Valley. More areas of rain and thunderstorms will be possible across western Texas. A few of these storms could be severe. A broad area of showers and thunderstorms will stretch from northern Maine westward to the northern High Plains and northern Rockies/northern Great Basin. Severe thunderstorms are likely this afternoon into tonight across the north-central High Plains. Other severe thunderstorms are expected from parts of the northern Rockies to the upper Midwest, with other strong storms possible across Maine. Heavy rain, which could produce localized areas of flooding and flash flooding, is forecast to develop from Idaho, across southern Montana to northeastern Wyoming into the central Dakotas. Additional heavy rain and flash flooding will be possible for portions of the upper Midwest. Rain and snow are possible for portions of the central Rockies, the Sierras, and portions of the western Great Basin. Rain showers are likely from western Washington State southward into northern California and the western Great Basin.

### **Tomorrow**

Scattered rain and thunderstorms will develop from the Great Lakes/Northeast southward to the lower Mississippi Valley, the Deep South, and Florida. One area of low pressure will move across Montana while another moves across South Dakota. A frontal boundary will extend southward across the western Great Plains to southern New Mexico. Rain and thunderstorms will develop across the northern Rockies, the northern High Plains/ upper Midwest southward to

western Texas. Severe thunderstorms are expected Tuesday into Tuesday night across the northern Plains Red River Valley region, southward into the mid-Missouri Valley and perhaps portions of the central and southern Plains. Heavy rain, which could produce areas of flash flooding, is forecast to develop across parts of the upper Midwest and the Rockies of Montana. Rain and snow expected for the higher elevations of the northern Rockies. Elsewhere, rain showers are possible for the western portions of western British Columbia, western Washington state, and northwestern Oregon. Rain and snow are possible in the far northern Cascades.

## Weather Hazard Assessment



- June 12: Severe Drought across the Southeast, California, the northern Plains, and the Southwest.
- June 12: Severe weather across portions of the northern Plains.
- June 12: Enhanced wildfire risk across portions of the southern and central Rockies, the central Great Basin, and the Southwest.
- June 13: Severe weather across portions of the upper Mississippi Valley and the northern Plains.
- June 12: Heavy rain across portions of the Great Lakes and the upper Mississippi Valley.
- June 12: Flooding possible across portions of the northern Plains, the northern Rockies, and the northern Great Basin.
- June 12: Flooding occurring or imminent across portions of the central and northern Plains, the lower Mississippi Valley, the northern Rockies, and the northern Great Basin.
- June 12: Flooding likely across portions of the central and northern Plains, the central and northern Great Basin, and the central and northern Rockies.

- June 12 and June 14-15: Heavy rain across Florida.
- June 12-13: Heavy rain across portions of the upper Mississippi Valley, the northern Plains, the northern Rockies, and the northern Great Basin.
- June 12-14: Much above normal temperatures across portions of the central and northern Plains, the Northeast, the central Appalachians, the middle and upper Mississippi Valley, the mid-Atlantic, the Great Lakes, and the Ohio Valley.
- June 13: Enhanced wildfire risk across portions of the northern Plains, Tue, Jun 13.
- June 14: Heavy rain across portions of the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley.
- June 17-23: Slight risk of much above normal temperatures for portions of California, the central and northern Great Basin, the Pacific Northwest, and the Southwest.
- June 17-20: Moderate risk of much above normal temperatures for portions of the central Great Basin, California, and the Southwest.

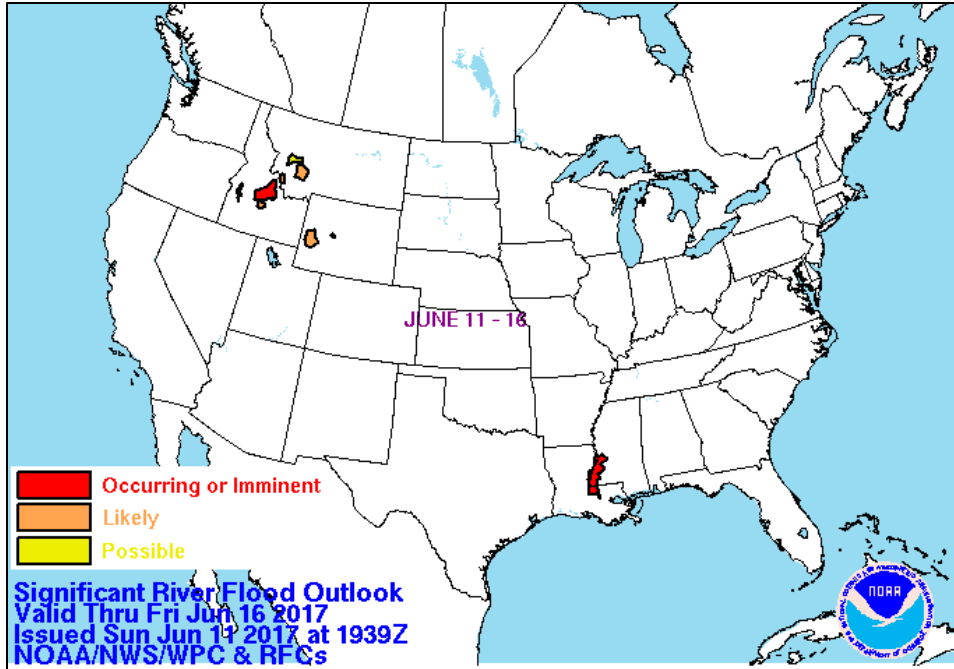
## Alaska Weather

There is a Small Craft Advisory in effect for Gulf of Alaska, the Aleutians, and from Cape Beaufort to Point Franklin. The National Weather Service has issued a Special Weather Statement for portions of east-central Alaska for rising water levels due to heavy rainfall in the Alaska Range.



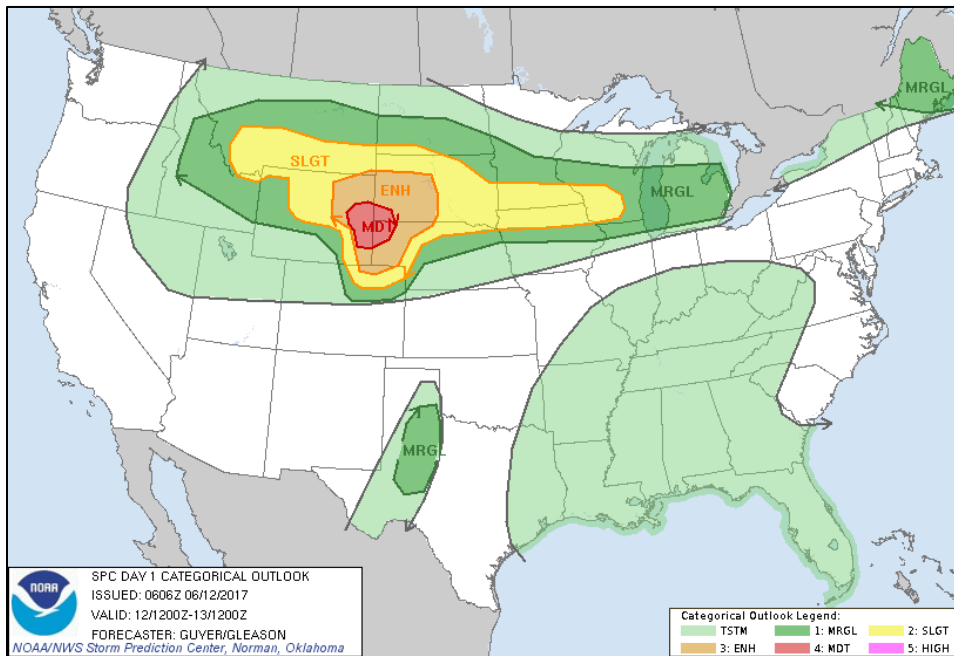
## Significant River Flooding

Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western and central Wyoming, western Montana, and central Idaho.

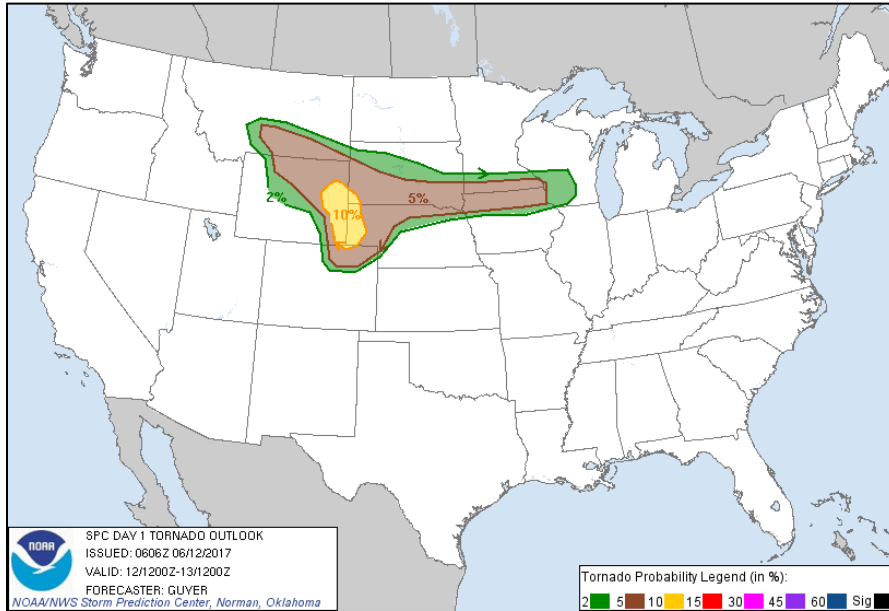


### Severe Weather

There is a Moderate Risk of severe thunderstorm activity today across parts of eastern Wyoming, the Nebraska Panhandle, and southwestern South Dakota. An Enhanced Risk of severe thunderstorm activity stretches across the north-central High Plains, and there is a Slight Risk of severe thunderstorm activity from the northern Rockies to the Great Lakes. There is also a Marginal Risk of severe thunderstorms from the northern Rockies to the Great Lakes, across Maine, and across western Texas.

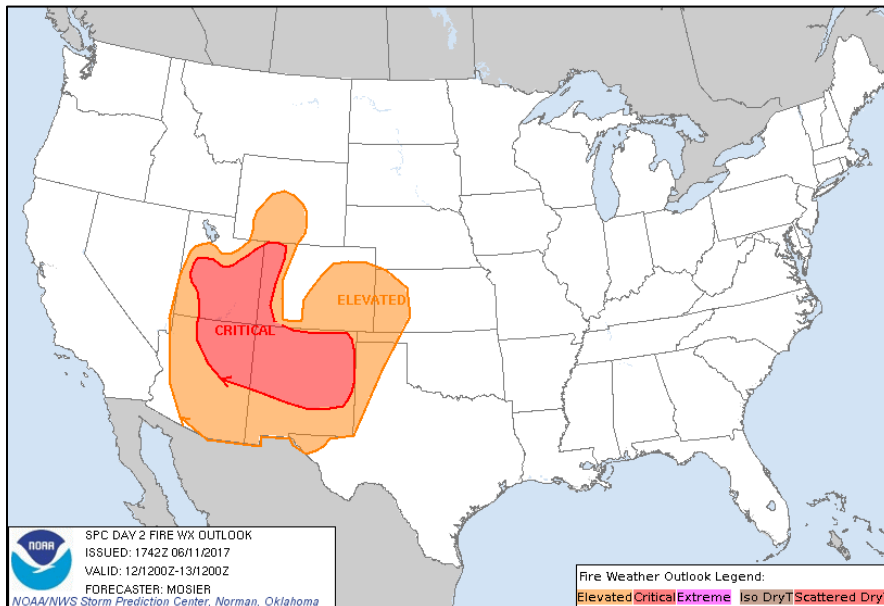


## Tornado Weather



There is a 10-percent chance of tornado activity today for portions of eastern Wyoming, western Nebraska, and southwestern South Dakota. There is a 5-percent chance of tornado activity for South Dakota, Nebraska, southern Montana, northern and eastern Wyoming, northeastern Colorado, southern Minnesota, and northern Iowa. There is a 2-percent chance of tornado activity covering and extending across the entire area of tornado activity from southern Montana into southwestern Wisconsin.

## Fire Weather



There is Critical Fire Weather forecast today for much of New Mexico and Utah, central and northeastern Arizona, and western Colorado. There is Elevated Fire Weather forecast for portions of Utah, Arizona, Colorado, New Mexico, Wyoming, western Kansas, and the Texas Panhandle.

### **Tropical Weather**

*Source: National Weather Service/National Hurricane Center – June 12, 2017*

#### **Eastern Pacific Ocean**

As of 5:00 a.m. EDT this morning, the center of Tropical Depression Three-E was located approximately 65 miles south of Salina Cruz, Mexico, moving north-northwest at 4 miles per hour (mph). A turn toward the northwest is expected later this morning. Maximum sustained winds are near 35 mph with higher gusts. Some strengthening is expected, and the depression is expected to become a tropical storm later today. A Tropical Storm Warning is in effect for the Pacific coast of southeastern Mexico from Boca De Pijijapan to Punta Maldonado.

The depression is expected to produce a total rainfall of 5 to 10 inches across southern Guatemala and the Mexican states of Chiapas, Oaxaca, and Guerrero, with maximum totals of 20 inches possible. These rains may produce life-threatening flash floods and mudslides.



### **Other News and Notes**

**Interior Expands Information Sharing Initiative to Prevent Drone Incursions over Wildland Fires**



*Source: DOI Office of Aviation Services - June 9, 2017*

Building on recent initiatives to prevent privately operated Unmanned Aircraft Systems (drones) from interfering with Federal, state, and local wildland firefighting activity, the Department of the Interior (DOI) announced that it is expanding and enhancing its wildfire location data-sharing program for 2017. The new service being offered is called “Current Wildland Fires” and is accessible through the Geoplatform ArcGIS Online Organization.

“By providing greater public access to a wider array of wildland fire location data, drone operators will Know Where Not To Go in near real-time,” said Mark Bathrick, DOI’s Office of Aviation Services. “As the 2017 wildland fire season gets underway, this improved service should greatly reduce the incidents of drone incursions on wildfires and enhance the safety of our firefighters and the communities they work so hard to protect.”

The 2017 program provides location data on any wildland fire reported in the last eight days, compared to last year, when the service only offered information on wildfires reported within the previous 72 hours. The 2016 program included wildland fires reported by DOI, the U.S. Forest Service (USFS), and two States (Alaska and Texas). This year’s program includes the addition of Wyoming, North Dakota, and Los Angeles County, California. The program plans to increase coverage to include more Federal, State, and local reported wildland fires.

On average, more than 73,000 wildfires are reported across the United States each year. About 98 percent of these fires are contained within the first 24 hours, before incident managers request the Federal Aviation Administration (FAA) to issue a Temporary Flight Restriction. That meant that most of these fires were never plotted on dynamic aeronautical maps or available to drone operators before Interior launched its 2016 initiative to make fire location data available to commercial mapping services that support drone operations.

The wildfire location data-sharing initiative addresses a growing problem of private drone incursions over wildland fires. From 2014 to 2015, the number of intrusions over or near wildfires increased from two to more than twelve. In 2016, there were 42 reported drone incursions on wildfires. Fire suppression aviators were forced to take evasive actions to avoid disastrous collisions with drones on several occasions. Twelve incidents of drone intrusions forced fire suppression managers to either delay or cease aerial support to firefighters, placing their lives and the communities they strive to protect, in greater danger.

In response, federal agencies instituted a number of initiatives to address this critical public and firefighter safety issue. In 2015, DOI, working with partners at the FAA and the USFS, adopted a three prong-approach—to enhance public awareness, establish notification protocols, and enforce penalties when violations occur.

The agencies implemented the If You Fly; We Can’t and B4UFly public awareness campaigns. Wildland firefighting organizations adopted protocols for notification to suppression commanders and law enforcement, allowing officials to make quick decisions to keep firefighters and communities safe. The FAA established registration criteria for hobby drone operators and penalties for violators.

In 2016 the Interior stepped up the awareness campaign in partnership with drone industry volunteers through the Department's Office of Aviation Services and Office of Wildland Fire. The pilot project made initial wildfire location data available to project volunteer partners (AirMap, Skyward, and DJI), where drone operators were able to access near real-time wildfire location data through their portals and would Know Where Not To Go.

<https://www.doi.gov/pressreleases/interior-expands-information-sharing-initiative-prevent-drone-incursions>.

*\*End of Report\**

**Distribution:**

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Bureau Heads

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, June 13, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## U.S. Bureau of Reclamation Dam Response Activity

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: Bureau of Reclamation - June 12, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is currently operating appropriately, and there are no concerns with dam safety. On June 11, the reservoir water surface (RWS) elevation was observed to be 6,412.8 feet, calculated inflows were 334 cfs, and releases were 434 cfs. The RWS elevation has dropped approximately 1.8 feet since June 8. As of June 11, downstream flows in Owl Creek were observed to be 518 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

## **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: Bureau of Reclamation - June 12, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton.

The Bull Lake Dam remains in a Response Level 1. As of June 11, the RWS elevation was 5,786.7 feet, calculated inflows were 2,019 cfs, and releases were 1,720 cfs. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

## **Response Level 1 - Buffalo Bill Dam, Wyoming (Initial Report)**

*Source: Bureau of Reclamation - June 12, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the RWS elevation rising more than 0.5 feet in a 6-hour period from the afternoon of June 5 through June 6. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody. As of June 11, the RWS elevation was 5,369.4 feet, calculated inflows were 8,607 cfs, and releases were 4,788 cfs. The reservoir storage was 464,135 acre-feet (AF), leaving approximately 182,430 AF of space in the reservoir. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 13, 2017*

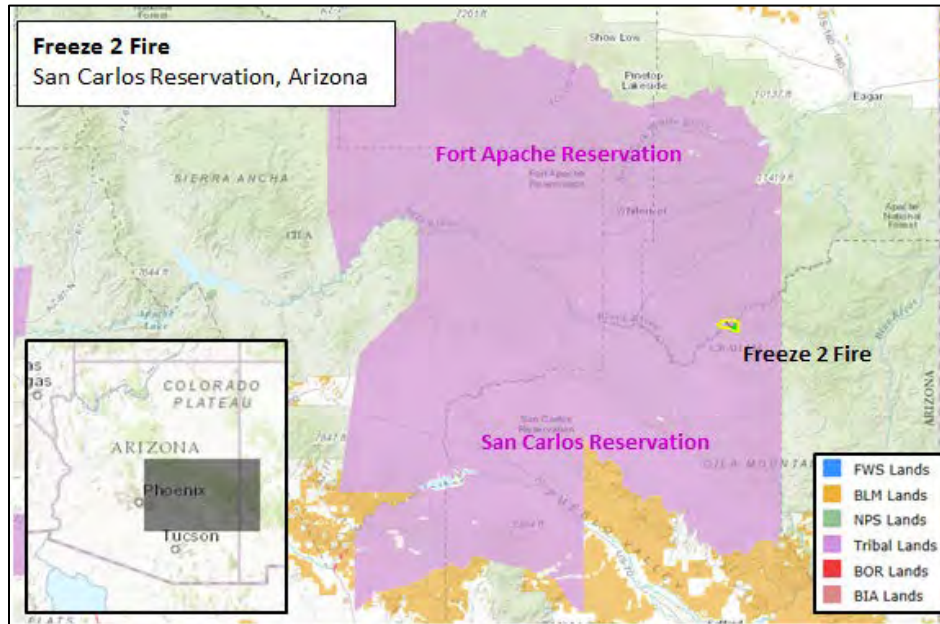
There was no Incident Status Summary (ICS-209) issued for the **West Mims Fire** (Georgia) yesterday; therefore, the fire will not be summarized in today's report.

## **Arizona Fires**

### **Freeze 2 Fire**

- Start Date: June 1
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 2,829 (+723)
- Containment: 35-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 344 (+7) / 123 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 19

Comments: Fire activity was described as moderate during this observation period. There is no current threat to the public or any residential/commercial structures, but recreation permits have been suspended by the San Carlos Reservation and the Fort Apache Reservation. Fire crews will continue to conduct mop-up operations and assess rehabilitation needs during the next operational period.



IGEMS Image

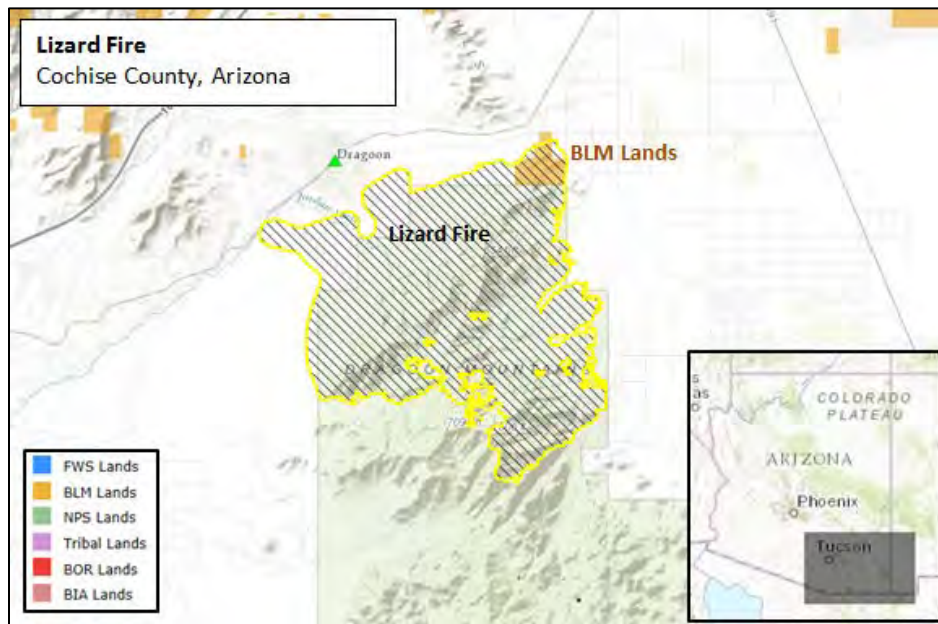
### Lizard Fire (Initial Report)

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service\*)
- Burned Acres: 15,131
- Containment: 40-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 601 / 143
- Structures Threatened-Single-Mixed Residential/Commercial: 55 / 3
- Evacuations / Sheltered in place: 50 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: July 7

\* The fire is burning mostly on U.S. Forest Service lands, but the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire.

Comments: The fire behavior was described as moderate during this reporting period, and addition perimeter growth is likely over the next 72 hours. In addition to the residences and commercial structures, the fire also has the potential to threaten infrastructure, cultural sites, and

critical watersheds. High heat and humidity are expected to continue in the fire area throughout the weekend.



IGEMS Image

## Colorado Fires

### **Hunter Fire (Initial Report)**

- Start Date: June 10
- Location: Rio Blanco County, CO (BLM)
- Burned Acres: 1,063
- Containment: 30-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 147 / 26
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 15

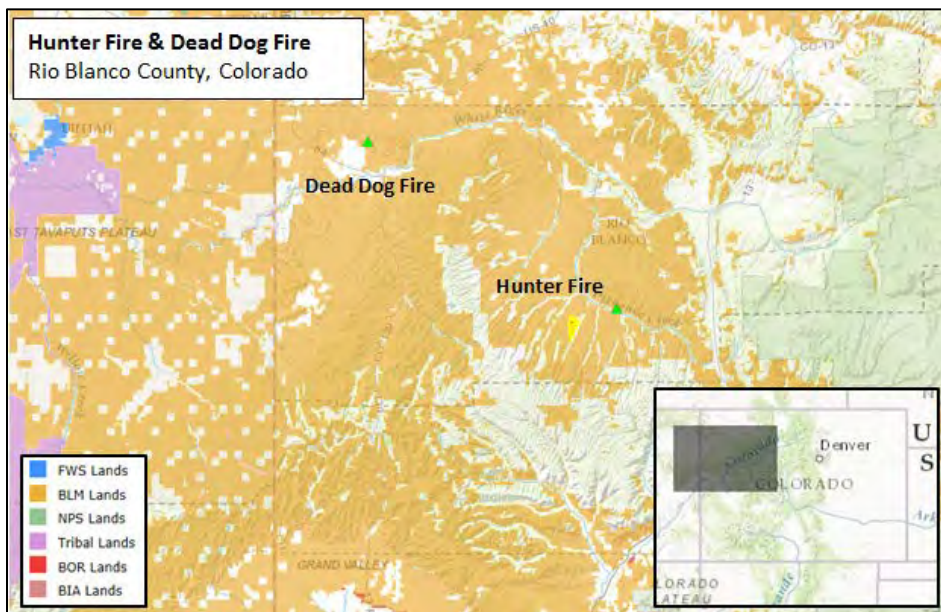
Comments: Fire activity was described as moderate during this observation period, and some perimeter growth is possible over the next day or so. There are no residential or commercial structures threatened, but the fire is threatening oil and gas infrastructure in the area.

### **Dead Dog Fire (Initial Report)**

- Start Date: June 11
- Location: Rio Blanco County, CO (BLM)
- Burned Acres: 1,500

- Containment: 0-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 33 / 24
- Structures Threatened-Single-Mixed Residential/Commercial: 50 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 19

Comments: Fire activity was described as extreme during this observation period, and some perimeter growth is possible over the next couple of days. There are residential and commercial structures threatened, as well as oil and gas infrastructure in the fire area.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 13, 2017

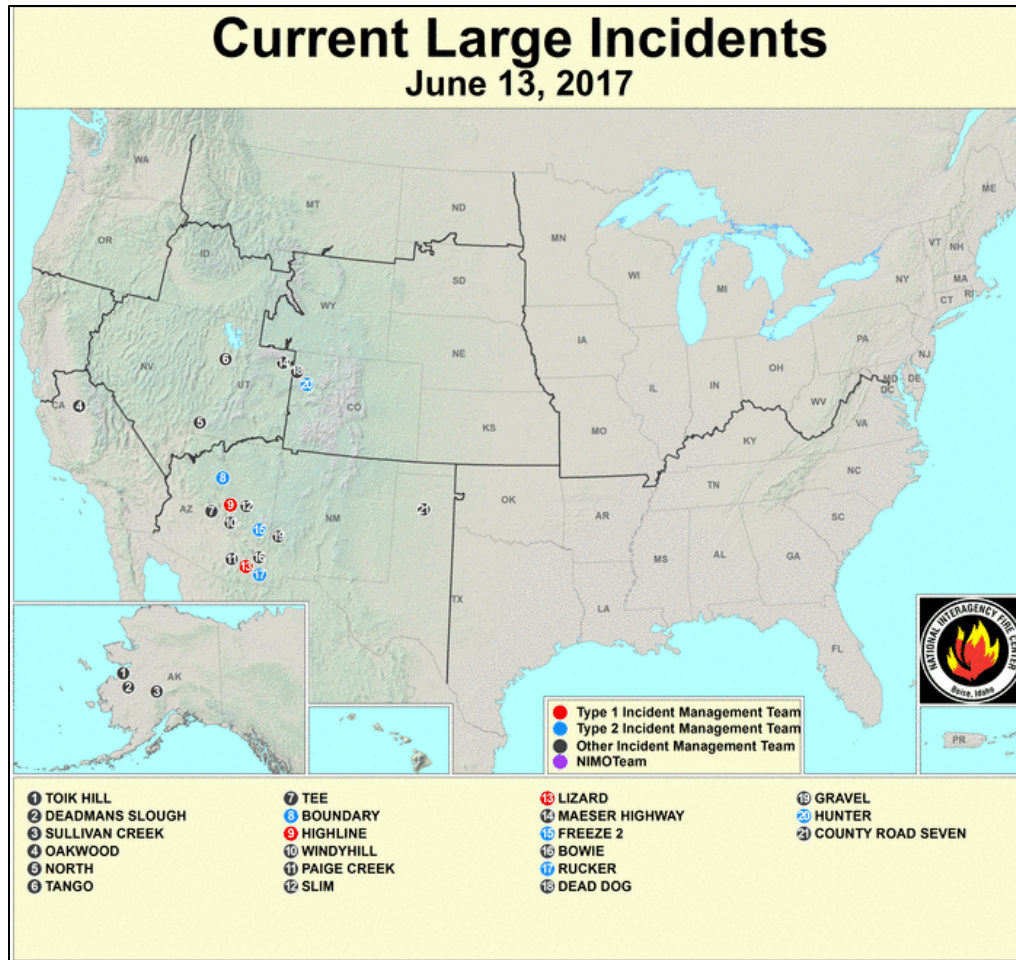
### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (121 new fires)
New large fires:	6
Large fires contained:	3
Uncontained large fires: **	15
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	4

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) and National Weather Service – June 13, 2017

**Alert Level = WARNING**

**Color Code = RED**

The Bogoslof Volcano began to erupt on June 12 at 9:47 p.m. EDT. The eruption sequence was characterized by a series of explosive events lasting from 10 to 30 minutes and producing ash clouds that rose to a maximum height of 25,000 feet above sea level. The last event in the sequence concluded at 12:35 a.m. EDT on June 13, and no new explosive activity has been detected since then. The National Weather Service (NWS) issued a Special Weather Statement



for the possibility of trace amounts of ash fallout in the Unalaska and Dutch Harbor areas. The majority of the ash fallout was expected to remain over open waters. The NWS also issued a Significant Meteorological Information (SIGMET) forecast for aviation. Due to the increased activity, the AVO raised the Aviation Color Code for Bogoslof to Red and the Volcanic Alert Level to Warning. Additional explosions that produce high-altitude volcanic clouds could occur at any time.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no activity was observed in seismic, infrasound, or satellite data during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'u'ō'ō on the East Rift Zone, with no significant change in either eruption. The summit lava lake was observed to be about 62 feet below the floor of the Halema'uma'u Crater on Monday morning. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu'u 'Ō'ō. These lava flows are posing no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

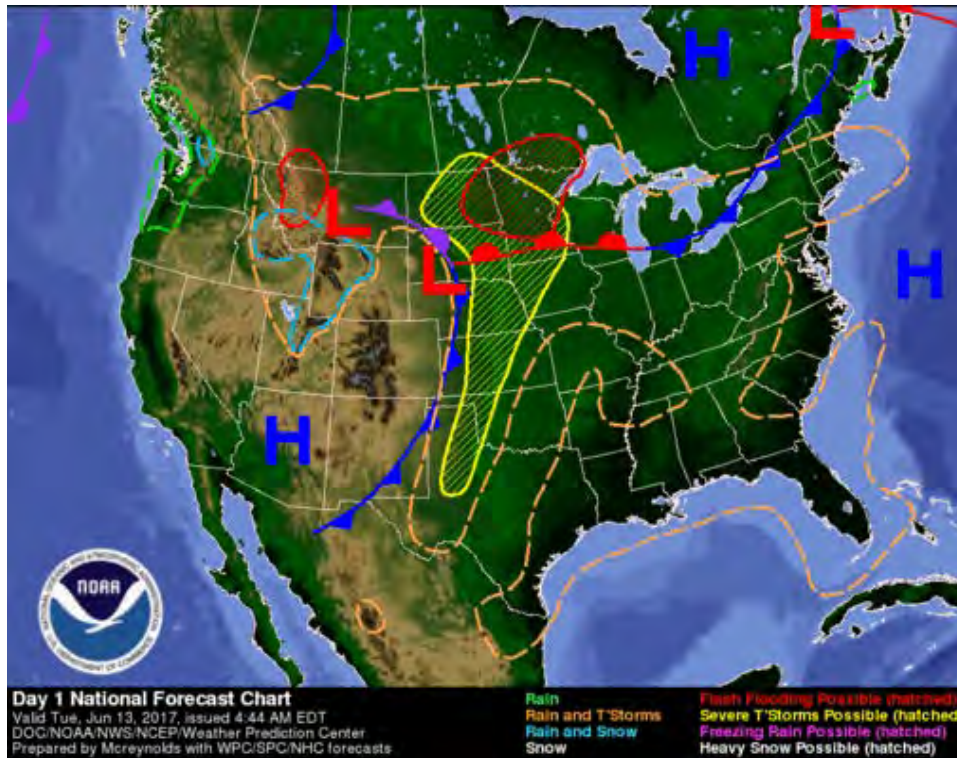
### **Earthquake Activity**

*Source: U.S. Geological Survey - June 12, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.3 earthquake occurred on June 12 at 8:28 a.m. EDT, approximately 3.1 miles to the south of Plomarion, Greece at a depth of 6.4 miles. The USGS issued a Yellow PAGER Alert for the earthquake, indicating that damages and injuries were possible, but the impact should be relatively localized. No tsunami was generated.

## ***Significant National Weather***

*Source: National Weather Service - June 13, 2017*



### **Today**

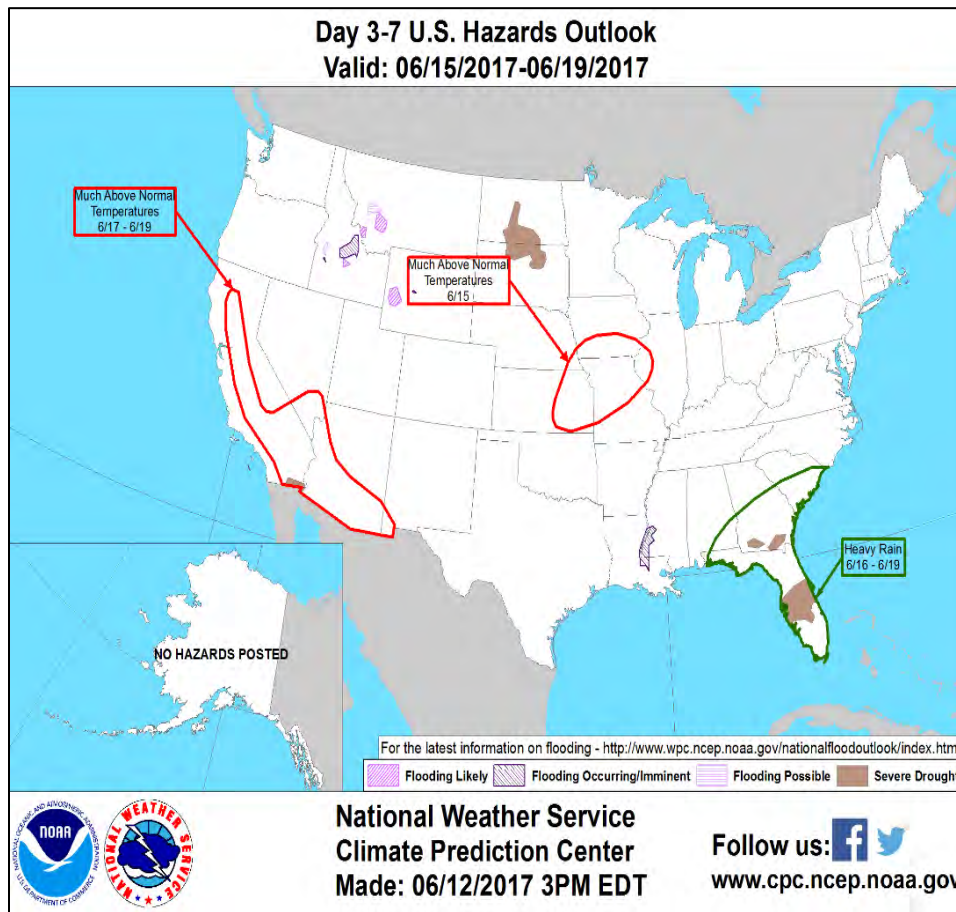
A frontal boundary will stretch from New England to South Dakota and Montana where areas of low pressure will be present. A cold front will drop south through the Great Plains and into New Mexico. Rain and thunderstorms will develop from the Northeast across the Great Lakes, Great Plains, and northern Rockies. Severe thunderstorms, capable of large hail, damaging winds, and a few tornadoes, will be possible across the northern Plains and upper Mississippi Valley this afternoon and evening. Farther south across the central and southern Plains, a few severe thunderstorms, primarily capable of large hail and damaging winds, are expected through the evening hours. Isolated strong to marginally severe thunderstorms will also be possible across the Northeast. Heavy rain which could produce possible areas of flooding and flash flooding is forecast to develop across portions of the upper Midwest and northern Rockies. Rain and snow possible across the higher elevations of the northern Rockies. To the south, showers and thunderstorms are forecast to develop across the central and southern Appalachians, Deep South, Florida, and the lower Mississippi Valley. Elsewhere, rain showers are likely for the portions of the coastal region of the Pacific Northwest. Rain and snow is possible for the far northern Cascades.

### **Tomorrow**

A frontal system will extend from the mid-Atlantic across the southern Great Lakes to the upper Midwest and northern Great Plains. From there another front will drop south through the Great Plains into the Texas Panhandle and west Texas. Rain and thunderstorms will develop across the Canadian Plains, far northern Great Plains, upper Midwest and Great Lakes, portions of the

Northeast then move south into Texas, the Deep South, the Southeast and Florida. One or two clusters of thunderstorms may form Wednesday afternoon and evening across parts of the upper Midwest, southward into the lower Missouri Valley, with a risk for potentially damaging wind gusts and severe hail. Elsewhere, a Pacific storm system will approach the Northwest and British Columbia. Rain showers are expected for portions of northwest Washington state and southern British Columbia.

## Weather Hazard Assessment



- June 13: Severe drought across the Southeast, the northern Plains, and along the southern California border with Arizona.
- June 13: Flooding is occurring, imminent, likely, or possible across the northern and central Rockies and the lower Mississippi Valley.
- June 15: Much above-normal temperatures for the middle Mississippi Valley, eastern Kansas, and extreme southeastern Nebraska.
- June 16-20: Periods of heavy rain and localized flooding in Florida, southern Georgia, and southern South Carolina.
- June 17-19: Much above-normal temperatures for the Central Valley of California and adjacent portions of the Southwest.
- June 20-23: High risk of much above-normal temperatures for eastern California, southern and southwestern Nevada, and the southwestern half of Arizona.

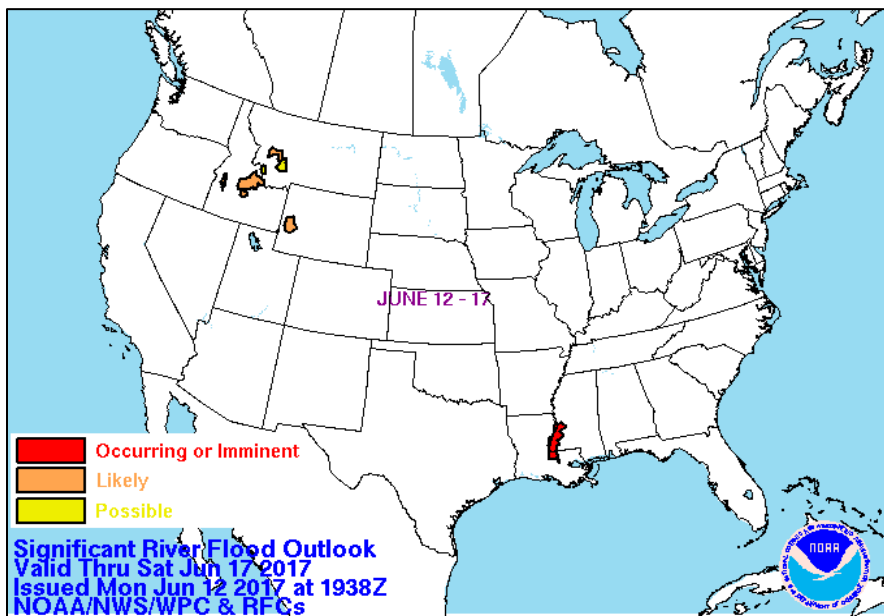
- June 20-24: Moderate risk of much above-normal temperatures from southern Oregon and southern Idaho southward to the border with Mexico, excluding the Pacific Coast.
- June 20-26: Slight risk of much above-normal temperatures from around the Continental Divide westward to near the Pacific Coast.

### Alaska Weather



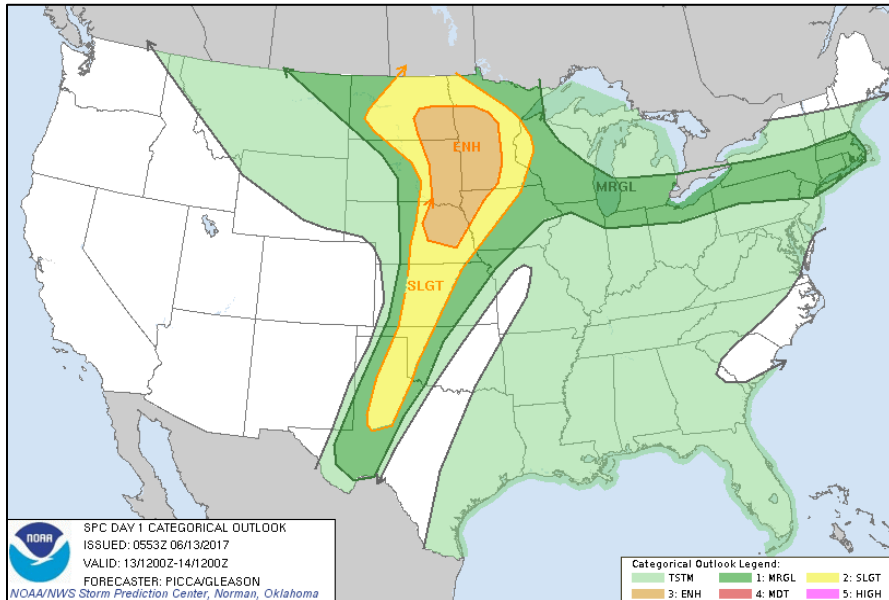
There is a Small Craft Advisory in effect along the western half of the Aleutian Islands and from Cape Beaufort to Point Franklin. There is a Brisk Wind Advisory in effect from Cape Halkett to Demarcation Point.

### Significant River Flooding



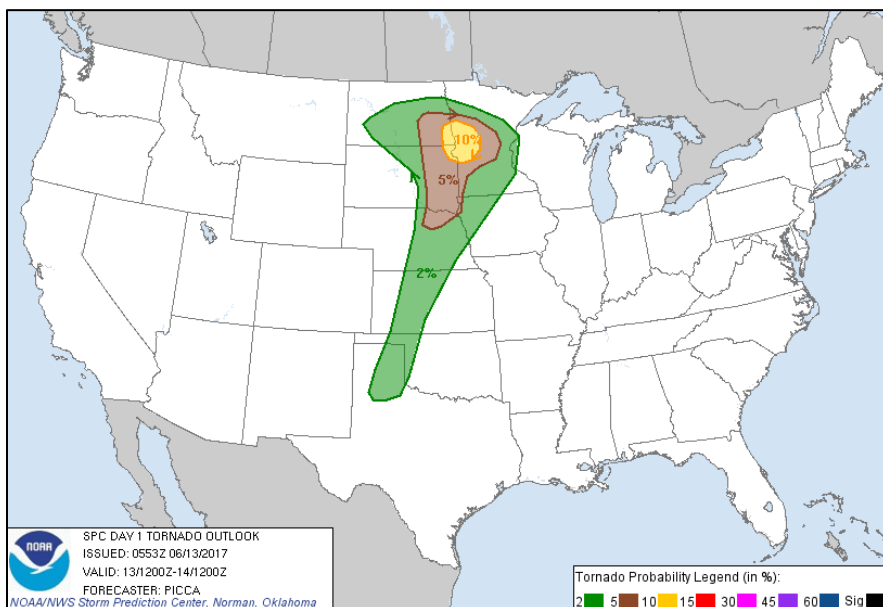
Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western Wyoming, western Montana, and central Idaho.

### Severe Weather



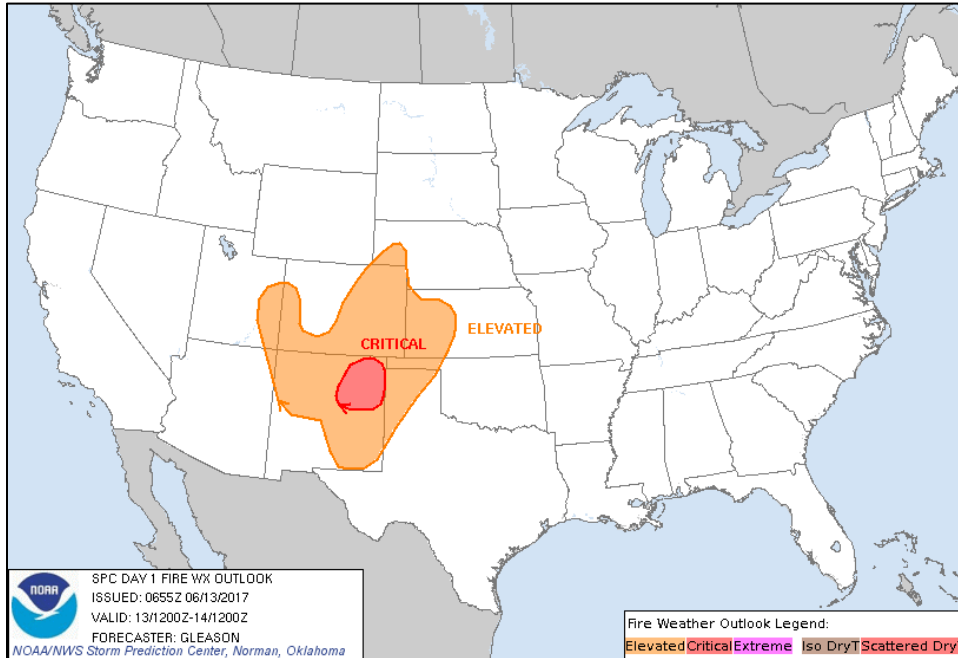
There is an Enhanced Risk of severe thunderstorm activity today from the middle Missouri Valley to the upper Mississippi Valley. There is a Slight Risk of severe thunderstorms across the Plains states, and a Marginal Risk exists from western Texas to the northern Plains and over to the southern New England area.

### Tornado Weather



There is a 5 to 10-percent chance of tornado activity today from northeastern Nebraska to eastern North Dakota and central Minnesota. There is a 2-percent chance of tornado activity from northern Texas to northern North Dakota and northern Minnesota.

## Fire Weather



There is Critical Fire Weather forecast for today in northeastern New Mexico. There is Elevated Fire Weather forecast for northern Texas, New Mexico, northeastern Arizona, eastern Utah, Colorado, western Oklahoma, western Kansas, and western Nebraska.

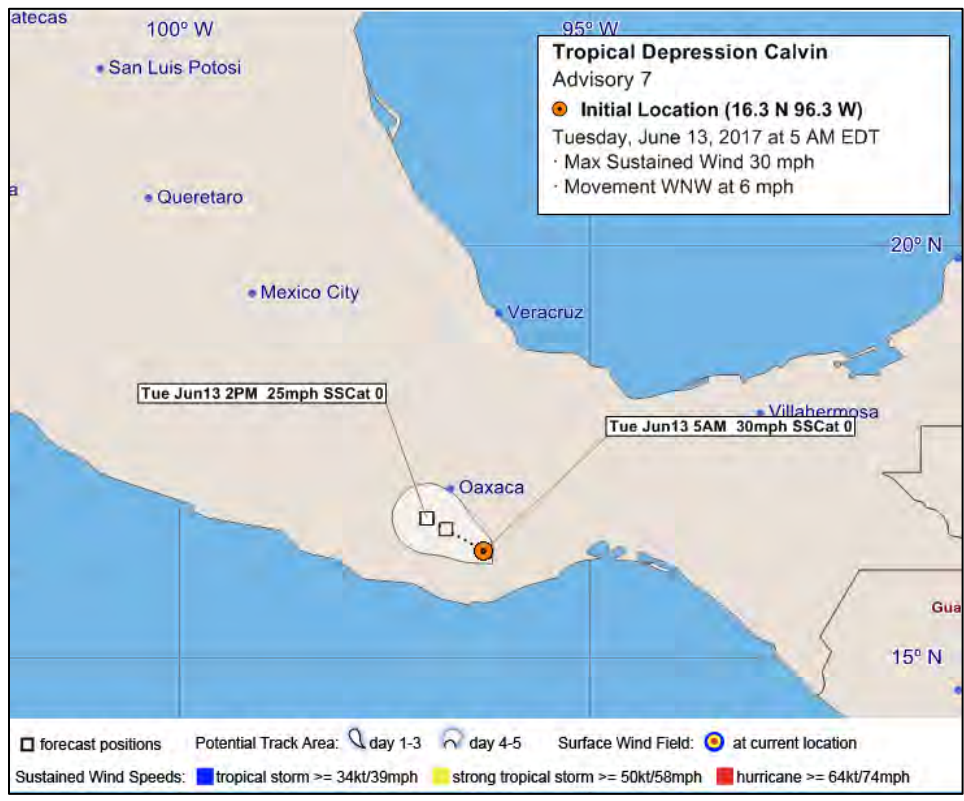
## Tropical Weather

Source: National Weather Service/National Hurricane Center – June 13, 2017

### Eastern Pacific Ocean - Tropical Depression Calvin

As of 5:00 a.m. EDT this morning, Tropical Depression Calvin was located approximately 45 miles to the north-northeast of Puerto Angel, Mexico and moving toward the west-northwest at 6 miles per hour. This general motion is expected to continue today. Tropical Depression Calvin strengthened into a tropical storm yesterday afternoon before weakening into a depression again overnight. Maximum sustained winds have decreased to 35 miles per hour, and the depression is expected to continue to weaken. Tropical Depression Calvin is forecast to dissipate over southern Mexico later today.

Tropical Depression Calvin is expected to produce significant rainfall across portions of southern Mexico, and life-threatening flash floods and mudslides are possible. Tropical Depression Calvin does not pose a threat to the U.S.



HURREVAC Image

***\*End of Report\****

**Distribution:**

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- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, June 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 14, 2017*

There was no Incident Status Summary (ICS-209) issued yesterday for the **West Mims Fire** (Georgia), the **Dead Dog Fire** (Colorado), or the **Hunter Fire** (Colorado); therefore, the fires will not be summarized in today's report.

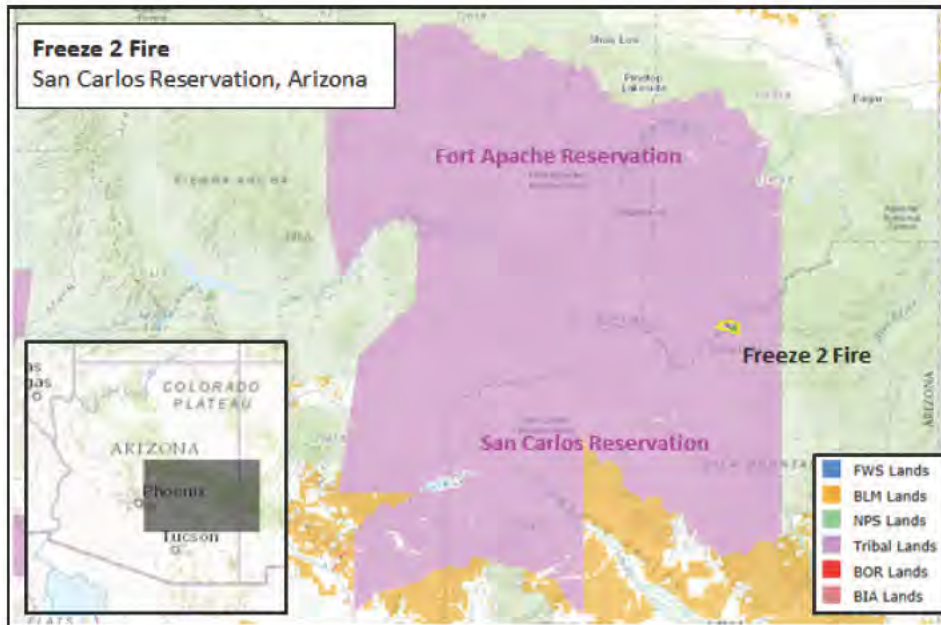
## Arizona Fires

### **Freeze 2 Fire**

- Start Date: June 1
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 2,832 (+3)
- Containment: 55-percent (+20)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 330 (-14) / 129 (+6)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: June 19



Comments: Fire activity was described as moderate during this observation period. No structures have been damaged or destroyed by the fire, and measures have been taken to protect those structures that were previously identified as threatened. Recreation permits have been temporarily suspended by the San Carlos Reservation and the Fort Apache Reservation. A demobilization of resources is expected to begin today.



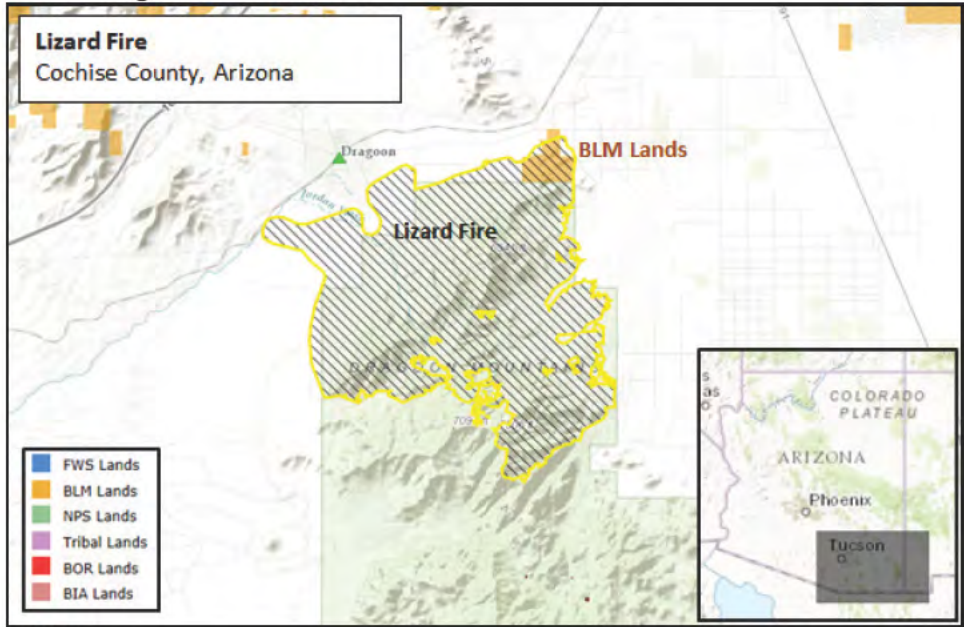
IGEMS Image

### Lizard Fire

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service)
- Burned Acres: 15,142 (+11)
- Containment: 64-percent (+24)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 638 (+37) / 144 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 18 (-37) / 3 (no change)
- Evacuations / Sheltered in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 7

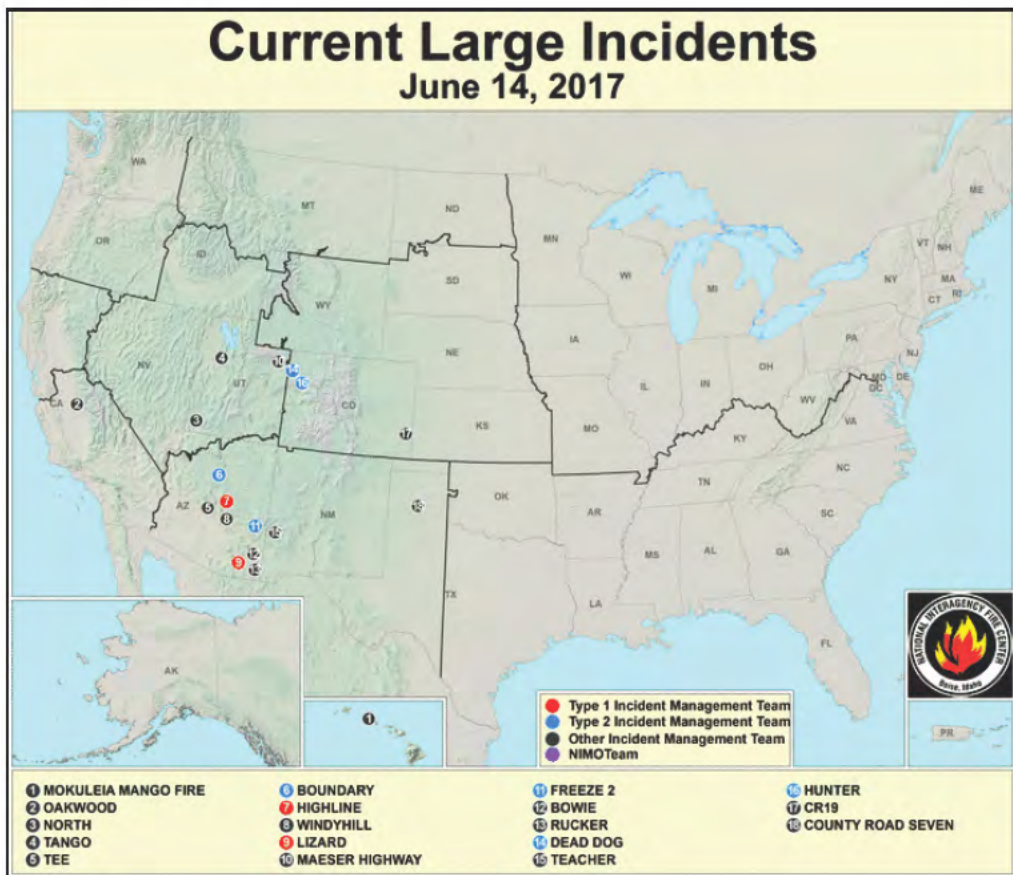
Comments: The Lizard Fire is a U.S. Forest Service (USFS) fire burning mostly on USFS lands, but the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire. The fire behavior was described as minimal during this reporting period, and there is a low potential for continued fire movement over the next day. Rough terrain is limiting access on the western portion of the fire, and air resources are being utilized to support ground

resources and control operations. High heat and humidity are expected to continue in the fire area throughout the weekend.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 14, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (99 new fires)
New large fires:	1
Large fires contained:	5
Uncontained large fires: **	10
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No new activity has been observed in seismic, infrasound, or satellite data of the Bogoslof Volcano since the explosive events on June 12 and June 13. Due to the reduction in activity, the AVO lowered the Aviation Color Code at Bogoslof to Orange and the Volcano Alert Level to Watch. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and elevated surface temperatures were observed in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey - June 14, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.9 earthquake occurred on June 14 at 3:39 a.m. EDT, approximately 2 miles to the south of San Pablo, Guatemala at a depth of 69 miles. The USGS issued a Yellow PAGER Alert for the earthquake, indicating that damages and injuries were possible, but the impact should be relatively localized. No tsunami was generated.

## **Significant National Weather**

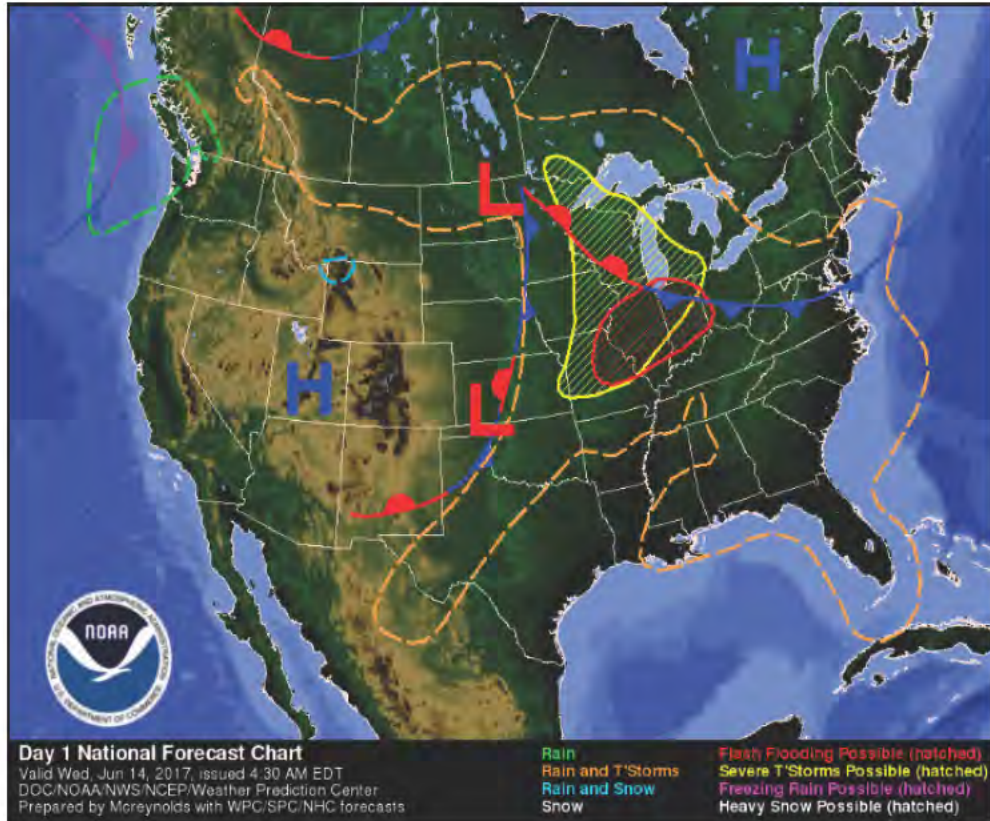
*Source: National Weather Service - June 14, 2017*

### **Today**

Rain and thunderstorms will develop across the far northern High Plains, mid-Mississippi Valley, and portions of the southern Plains, upper Midwest, Great Lakes, Ohio Valley, and the mid-Atlantic. Clusters of strong to severe thunderstorms are expected this afternoon and evening across parts of the upper Great Lakes to the lower Missouri Valley. The primary threats with these storms will be damaging wind gusts and large hail. Elsewhere, isolated strong to severe storms will be possible across the southern Plains, Ohio Valley, and the Carolinas. Some storms could produce localized areas of flooding and flash flooding from eastern Missouri to western Ohio. More scattered showers and thunderstorms are expected to develop across the Southeast, Florida, and the Gulf coastal region. Elsewhere, rain and snow is possible over the Tetons, while light rain showers are possible for portions of western Washington.

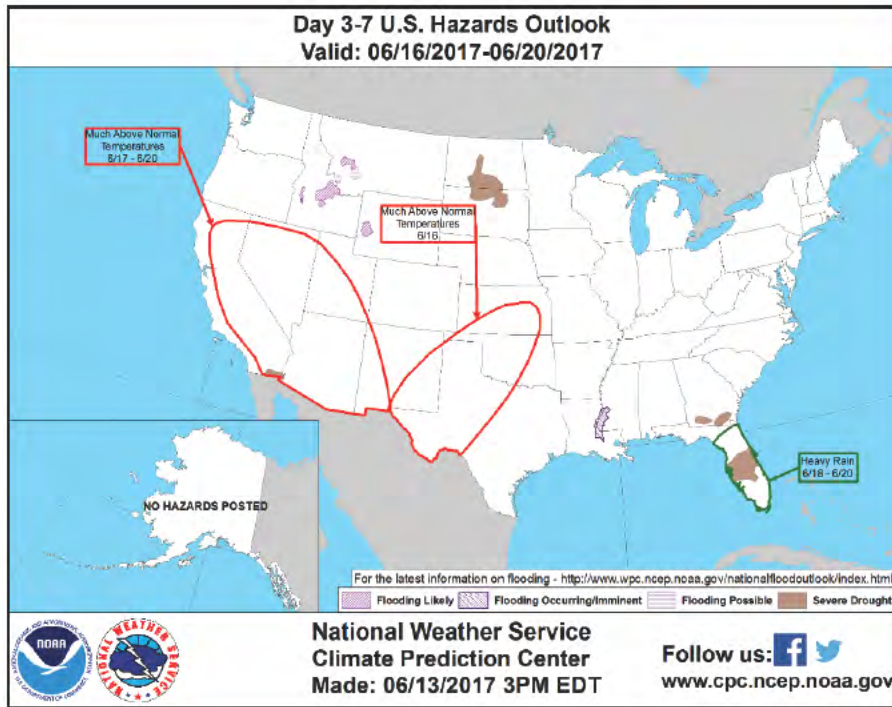
### **Tomorrow**

Rain and thunderstorms will develop across the Great Lakes, Northeast, Deep South, and portions of the mid-Mississippi Valley and southern Plains. At least a couple of clusters of thunderstorms accompanied by a risk for potentially damaging wind gusts and severe hail may form across eastern portions of the central Plains and across parts of the mid-South into the central Gulf States. Additional areas of scattered showers and thunderstorms will develop over parts northern North Dakota, northern Minnesota, and portions of the northern Rockies. Scattered rain showers are also expected across the portions of the Northwest and northern Rockies.

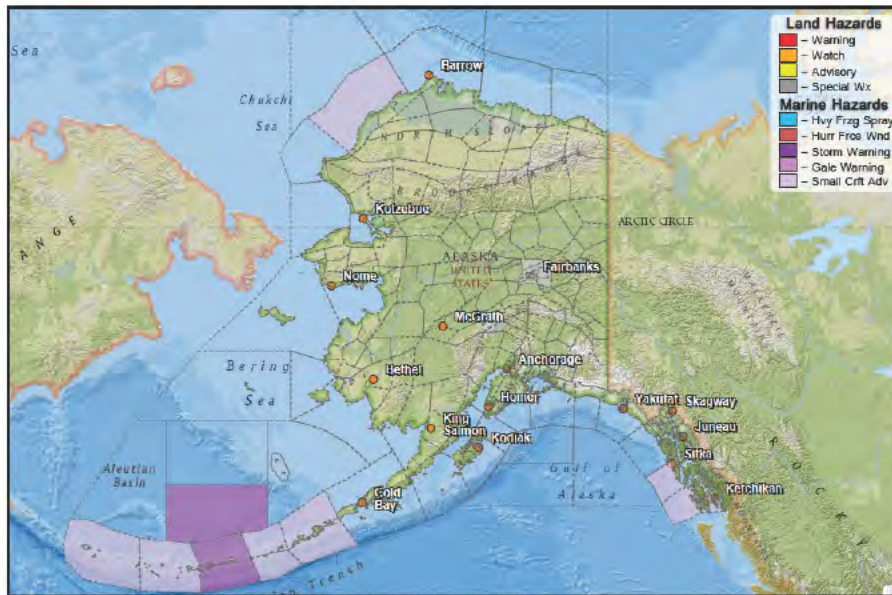


## Weather Hazard Assessment

- June 14: Severe drought across the Southeast, the northern Plains, and along the southern California border with Arizona.
- June 14: Flooding is occurring, imminent, likely, or possible across the northern and central Rockies and the lower Mississippi Valley.
- June 16: Much above-normal temperatures for portions of the central and southern Plains.
- June 17-20: Much above-normal temperatures for interior California, Nevada, Arizona, Utah, and far western New Mexico.
- June 18-20: Periods of heavy rain and possible flash-flooding across Florida.
- June 21-24: Slight risk of much above-normal temperatures for the western half of the U.S.
- June 21-24: Moderate risk of much above-normal temperatures from southern Oregon and southern Idaho southward to the border with Mexico, excluding the Pacific Coast.
- June 21-24: High risk of much above-normal temperatures for eastern California, southern and southwestern Nevada, and the southwestern half of Arizona.

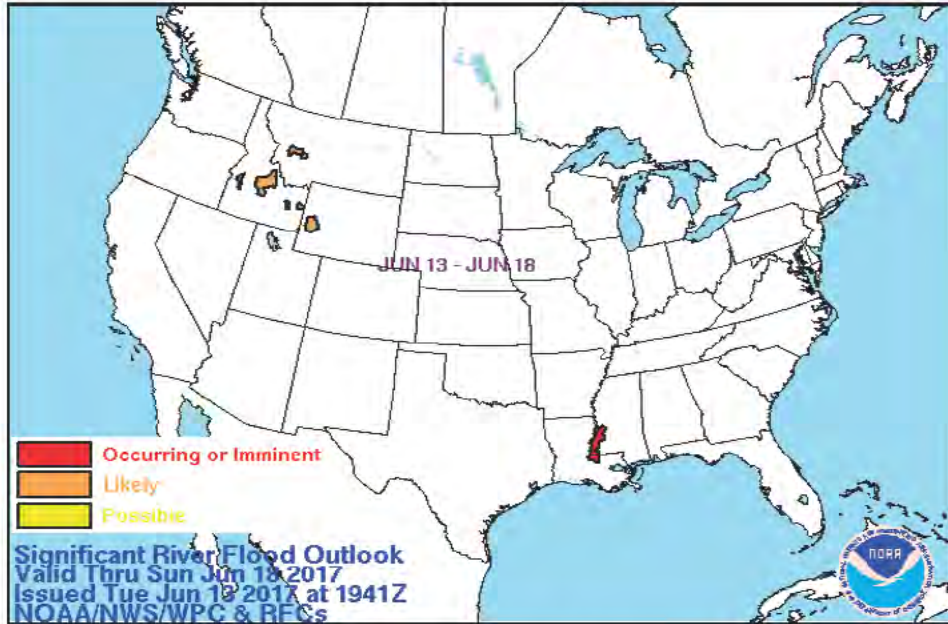


### Alaska Weather



There is a Small Craft Advisory in effect for the Clarence Strait, from Cape Decision to Cape Edgecumbe, from Cape Sarichef to Seguam, from Adak to Attu, and from Cape Beaufort to Point Franklin. There is a Gale Warning in effect from Seguam to Adak.

## Significant River Flooding



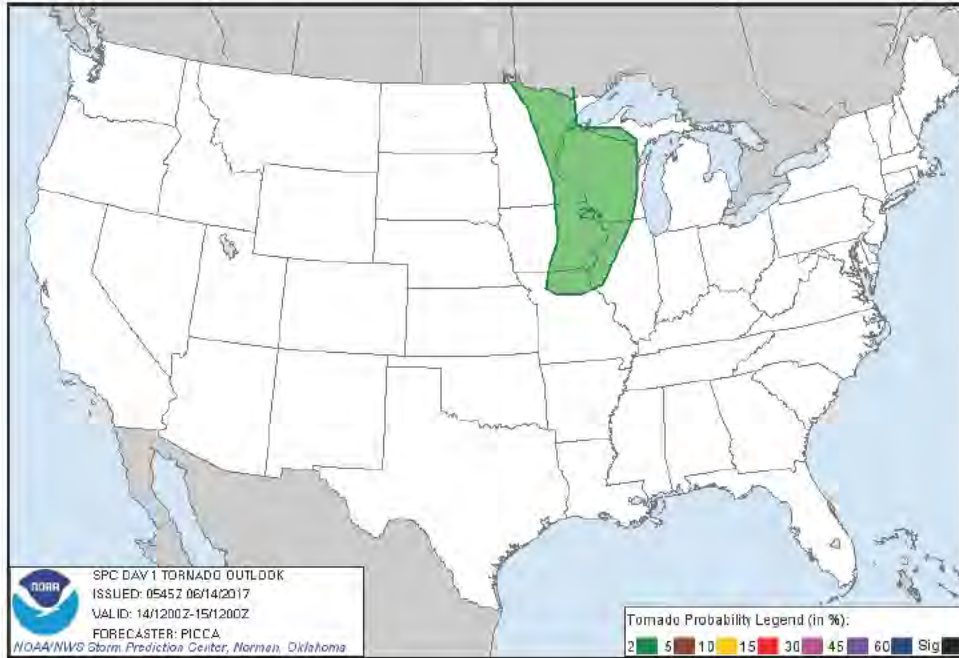
Significant River Flooding is occurring, likely, or possible today in portions of the lower Mississippi Valley, western Wyoming, western Montana, and Idaho.

## Severe Weather



There is Slight Risk of severe thunderstorm activity today from the upper Great Lakes to the lower Missouri Valley. There is a Marginal Risk of severe thunderstorms from western Texas to the upper Ohio Valley and the Carolinas.

## Tornado Weather



There is a 2-percent chance of tornado activity today across eastern Minnesota, eastern Iowa, northern Missouri, western Illinois, Wisconsin, and portions of Michigan's upper peninsula.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

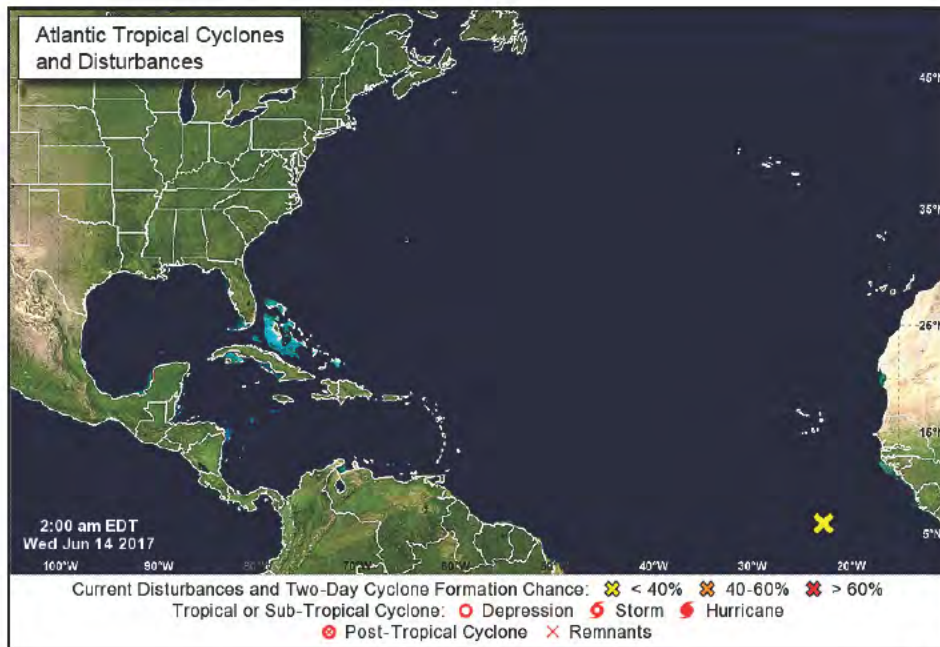
## Tropical Weather

Source: *National Weather Service/National Hurricane Center – June 14, 2017*

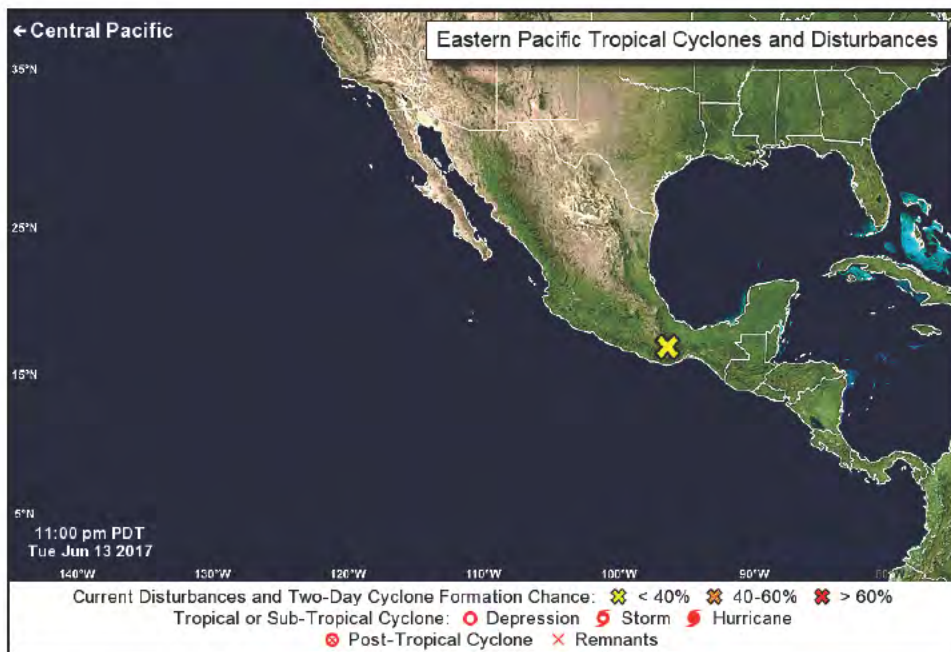
## Atlantic Ocean

A strong tropical wave over the far eastern Atlantic Ocean is producing a large area of showers and thunderstorms well south of the Cabo Verde Islands. Development, if any, of this system is expected to be slow and could occur over the next several days while the system moves westward at 15 to 20 miles per hour over the southern Atlantic. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.





### Eastern Pacific Ocean



Showers and thunderstorms, associated with the remnants of Tropical Storm Calvin, are occurring over southern Mexico. Although regeneration is not expected, these rains could still cause life-threatening flash floods and mud slides through today. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, June 15, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## DOI Bureau Reports

### **Bureau of Reclamation Response to Anchor Dam - Response Level 2**

*Source: Bureau of Reclamation - June 14, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. The dam is currently operating appropriately and there are no concerns with dam safety. As of June 13, the reservoir water surface (RWS) elevation was 6,413 feet, calculated inflows were 294 cfs, and downstream flows in Owl Creek were observed to be 357 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office continues to monitor the situation, to include maintaining contact with local emergency management agencies and the National Weather Service, and will provide updates as warranted.

### **Bureau of Reclamation Response to Bull Lake Dam - Response Level 1**

Source: Bureau of Reclamation - June 14, 2017

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of June 13, the RWS elevation was 5,787 feet, calculated inflows were 1,803 cfs, and releases were 1,311 cfs.

The Bull Lake Dam remains in a Response Level 1, which is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.



*Bull Lake and Dam USBR*

### **Bureau of Reclamation Response to Buffalo Bill Dam - Response Level 1**

Source: Bureau of Reclamation - June 14, 2017

On June 7, an EAP Response Level 1, was declared at Buffalo Bill Dam near Cody, Wyoming due to rate of rise in the reservoir exceeding 0.50 feet in a six hour period which occurred from the afternoon of June 5th through June 6th. On June 13, the RWS elevation was 5,371.4 feet with calculated inflows at 8,015 cfs, and releases were 4,220 cfs. Reservoir storage was at 477,937 acre feet (AF) (73.9% full, with 168,628 AF to fill).

## Wildland Fire Activity

Source: *Fire and Aviation Management Website - June 15, 2017*

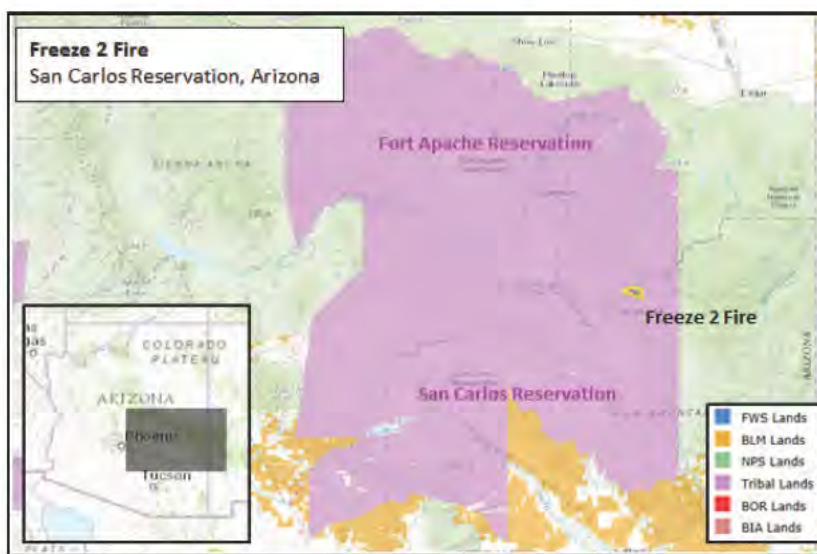
The **West Mims Fire** (Georgia) Incident Command issued its last daily update on June 11. The fire will no longer be summarized unless there is significant fire activity.

### Arizona Fires

#### **Freeze 2 Fire**

- Start Date: June 1
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 2,832 (no change)
- Containment: 55-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 263 (-67) / 130 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 19

Comments: Fire activity was described as moderate during this observation period. No structures have been damaged or destroyed by the fire, and measures have been taken to protect those structures that were previously identified as threatened. Recreation permits have been temporarily suspended by the San Carlos Reservation and the Fort Apache Reservation. Transition to a Type 3 IMT is scheduled to occur sometime today.

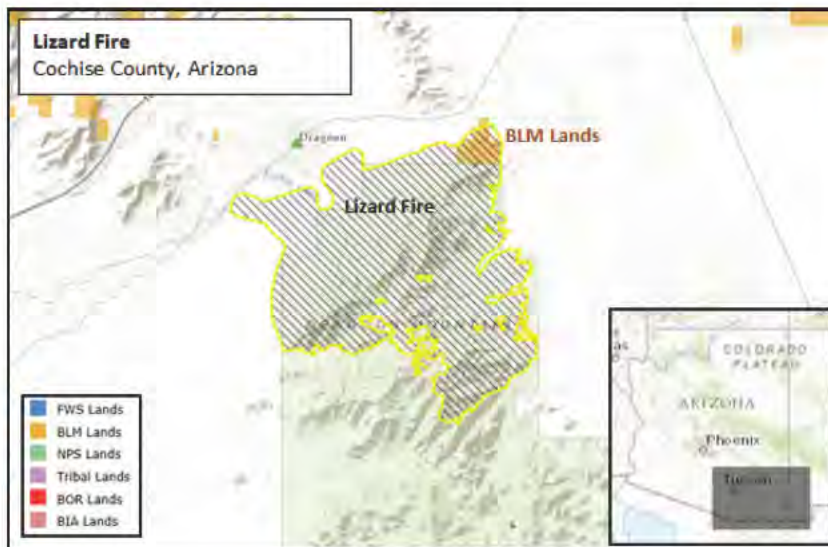


IGEMS Image

## Lizard Fire

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service)
- Burned Acres: 15,212 (+70)
- Containment: 70-percent (+6)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 460 (-178) / 85 (-59)
- Structures Threatened-Single-Mixed Residential/Commercial: 18 (no change) / 3 (no change)
- Evacuations / Sheltered in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 7

Comments: The Lizard Fire is a U.S. Forest Service (USFS) fire burning mostly on USFS lands, but the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire. The fire behavior was described as minimal during this reporting period. The evacuation notice for the community of Cochise Stronghold will be lifted later today. Rough terrain is limiting access on the western portion of the fire, and air resources are being utilized to support ground resources and control operations.



IGEMS Image

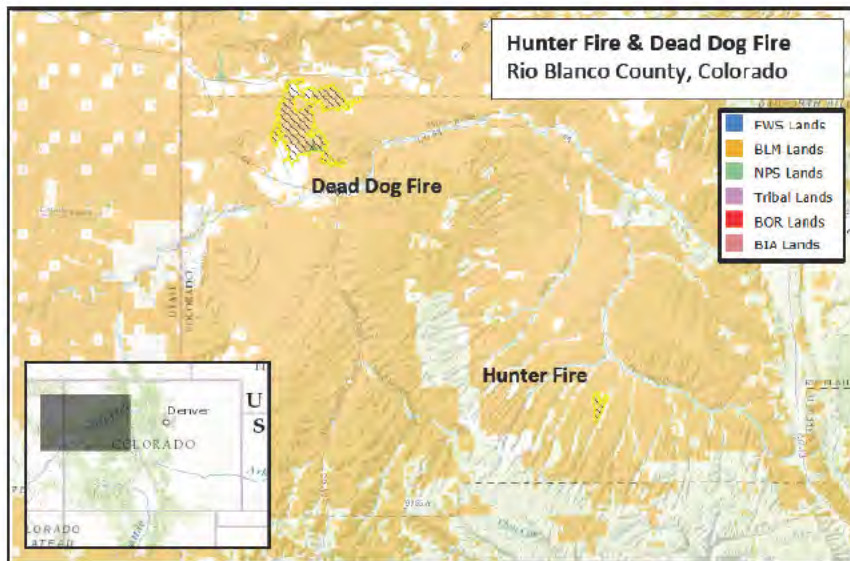
## Colorado Fires

### Dead Dog Fire

- Start Date: June 11
- Location: Rio Blanco County, CO (BLM)

- Burned Acres: 17,731 (+16,231)
- Containment: 60-percent (+60)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 325 (+292) / 89 (+65)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 18

Comments: Fire activity was described as minimal during this observation period, and the potential for perimeter growth is minimal over the next couple of days. There are residential and commercial structures threatened; however, the threat to oil and gas infrastructure in the fire area is reduced due to progress in suppression efforts and fire behavior.



IGEMS Image

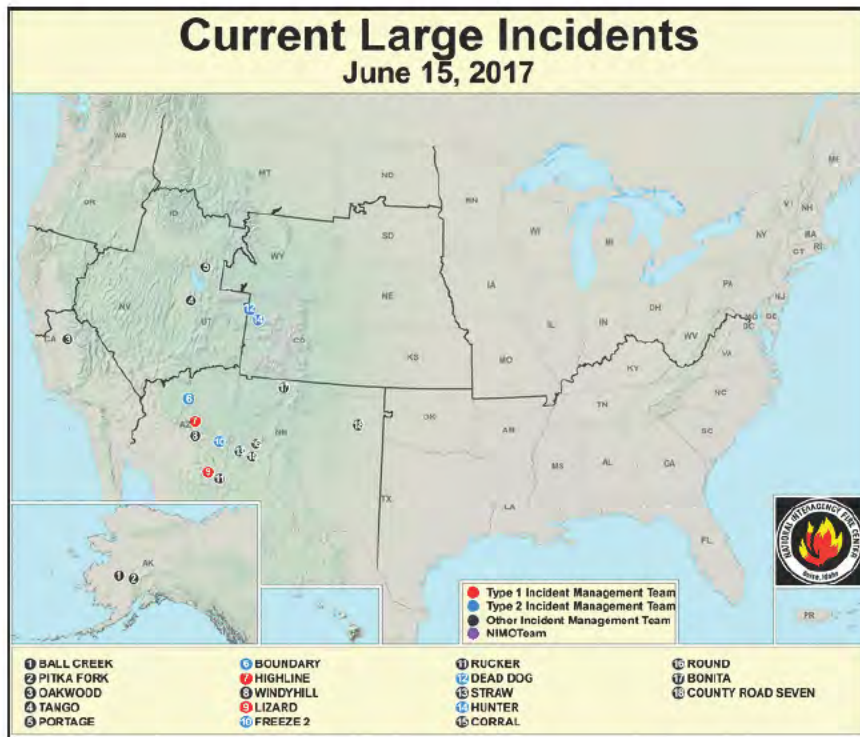
### Hunter Fire (Final)

- Start Date: June 10
- Location: Rio Blanco County, CO (BLM)
- Burned Acres: 992 (-71)
- Containment: 100-percent (+70)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 60 (-87) / 10 (-16)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 14

Comments: Fire activity was described as minimal during this observation period, as the fire was contained last evening. The decrease in acreage was due to more accurate mapping of the fire area. The fire is now 100-percent contained and will no longer be summarized.

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – June 15, 2017*

#### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (82 new fires)
New large fires:	1
Large fires contained:	5
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No new activity has been observed in seismic, infrasound, or satellite data of the Bogoslof Volcano since the explosive event on June 13. Elevated surface temperatures and a small steam cloud were observed in satellite images. Due to the reduction in activity, the AVO lowered the Aviation Color Code at Bogoslof to Orange and the Volcano Alert Level to Watch. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, with episodes of explosive activity occurring overnight Tuesday and early Wednesday morning. Clouds obscured views in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 14, 2017*

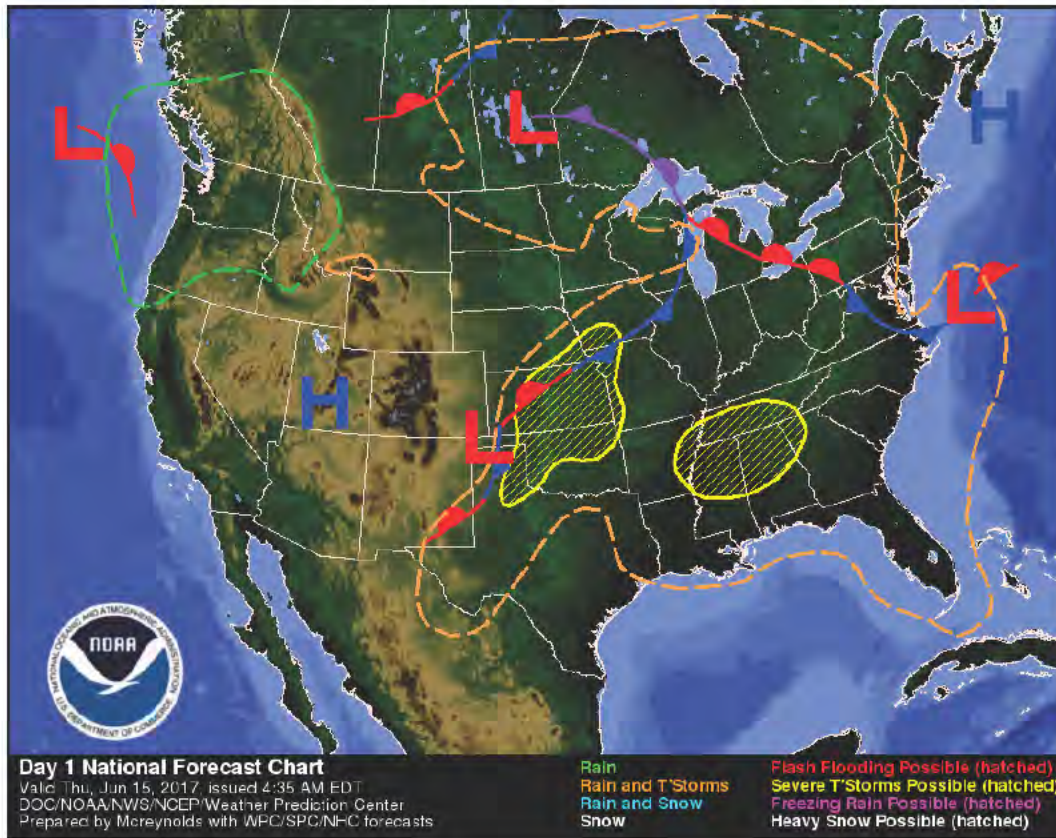
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema'uma'u Crater and at Pu'ū'ō'ō on the East Rift Zone, with no significant change during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu'ū 'Ō'ō. These lava flows are posing no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - June 15 2017



### Today

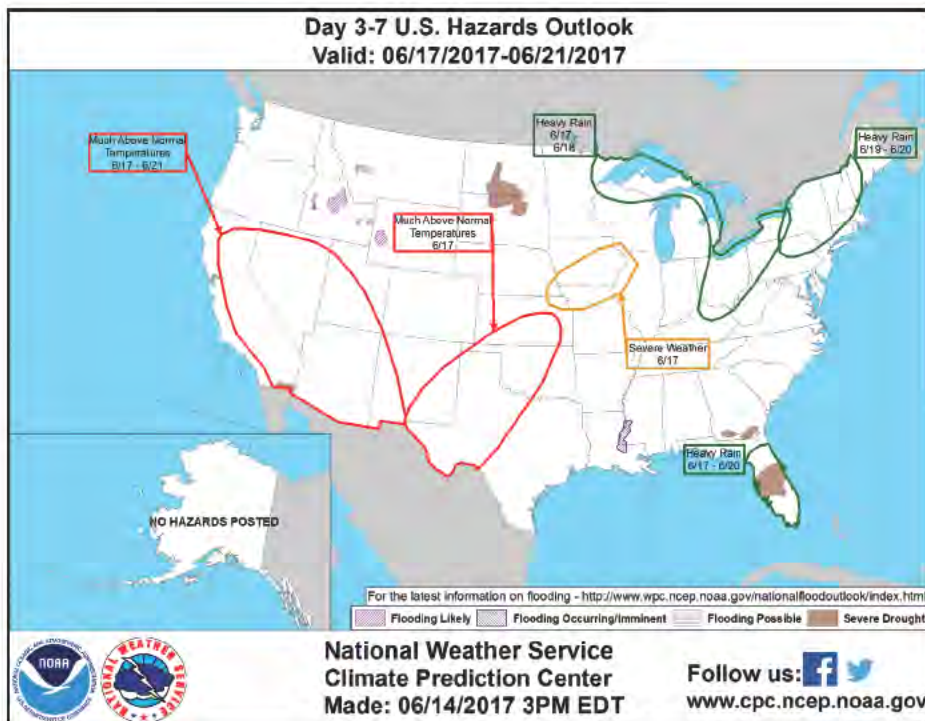
A large area of showers and thunderstorms will develop across the far northern Plains, Great Plains, and Northeast. This area will then stretch southward into the Southeast, Deep South, and southern Plains. At least a couple of clusters of thunderstorms may form today across portions of Kansas and Oklahoma. Additionally, more thunderstorms may also develop across parts of the mid-South into the central Gulf States. These thunderstorms will be accompanied by a risk for potentially damaging wind gusts and severe hail. High pressure will be anchored over Utah and will produce hot and dry conditions across the West and Southwest. Temperatures across California and the Desert Southwest are forecast to be well above normal over the next few days. Daily records may be reached, or exceeded, well into the weekend and maximum temperatures may range from 100 to 120+. Excessive Heat Watches and Warnings are in effect from southern Arizona to central California. For the central Plains, temperatures will remain above normal, with several locations averaging 5 to 15 degrees above average, and by tomorrow portions of western Texas and Oklahoma could surpass 100 degrees. A weather system will approach the Northwest producing rain showers across the Pacific Northwest, northern Rockies, and Canadian Rockies.

## Tomorrow

Widespread rain and thunderstorms will once again develop across the upper Midwest, Great Lakes, and Northeast. This system will then extend south into the central Plains, deep South, and Southeast. Severe thunderstorms will be possible tomorrow afternoon into the evening across parts of the lower and middle Missouri Valley. Thunderstorms may also impact parts of the Ozark Plateau into mid-South region, as well as the mid and south Atlantic Coast states, accompanied by some severe weather potential. More showers and thunderstorms are expected across west-central Texas and from the northern Rockies into the western High Plains. Rain showers will continue across the western portions of Oregon, Washington, and southwest British Columbia. Elsewhere, high pressure over Arizona will continue to produce hot and dry weather across the Four Corners, the Southwest, and California.

## Weather Hazard Assessment

- June 17: Severe weather across the Midwest.
- June 17: Much above-normal temperatures for portions of the central and southern Plains.
- June 17-18: Heavy rain for the Great Lakes region and upper Ohio Valley.
- June 17-20: Periods of heavy rain for peninsular Florida, and localized flooding.
- June 17-21: Much above-normal temperatures for interior California, Nevada, Arizona, Utah, and far western New Mexico.
- June 19-20: Heavy rain for the Northeast.
- Severe Drought across the Southeast, the northern Plains, and along the southern California border with Arizona.

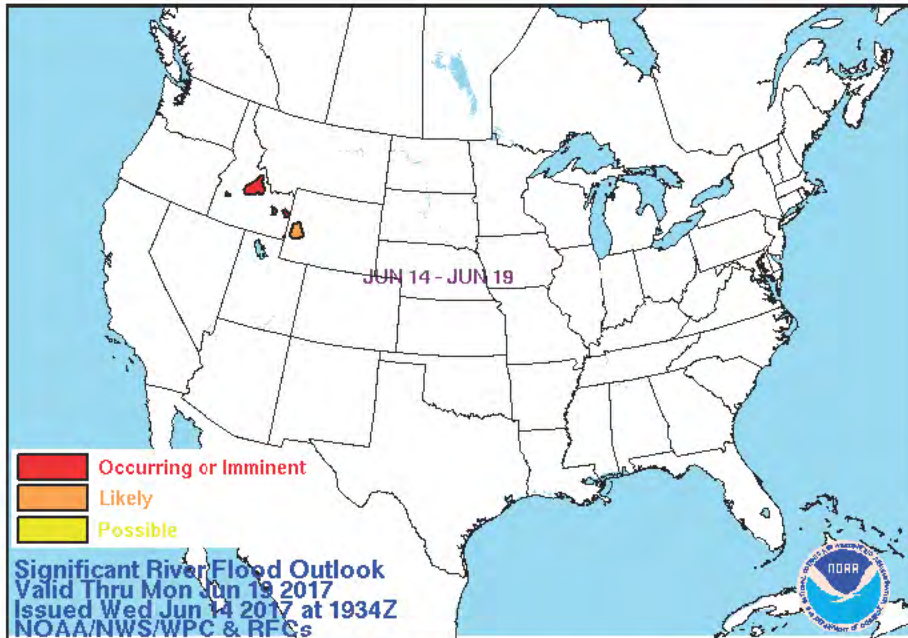


## Alaska Weather



There is a Small Craft Advisory in effect for the Clarence Strait, from Cape Decision to Cape Edgecumbe, from Cape Sarichef to Seguam, from Sitkinak, the Barren Islands, the Shelikof Strait, and much of the Aleutian Islands.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions western Wyoming and Idaho.

## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today across portions of central Kansas and northern Oklahoma. There is Slight Risk of severe thunderstorm activity across portions of the middle and deep South, along with a large part of the central Great Plains. There is a Marginal Risk of severe thunderstorms from the central and southern Plains eastward to the Appalachians and Great Lakes.

## Tornado Weather



There is a 2-percent chance of tornado activity today across southern Kansas and northern Oklahoma.

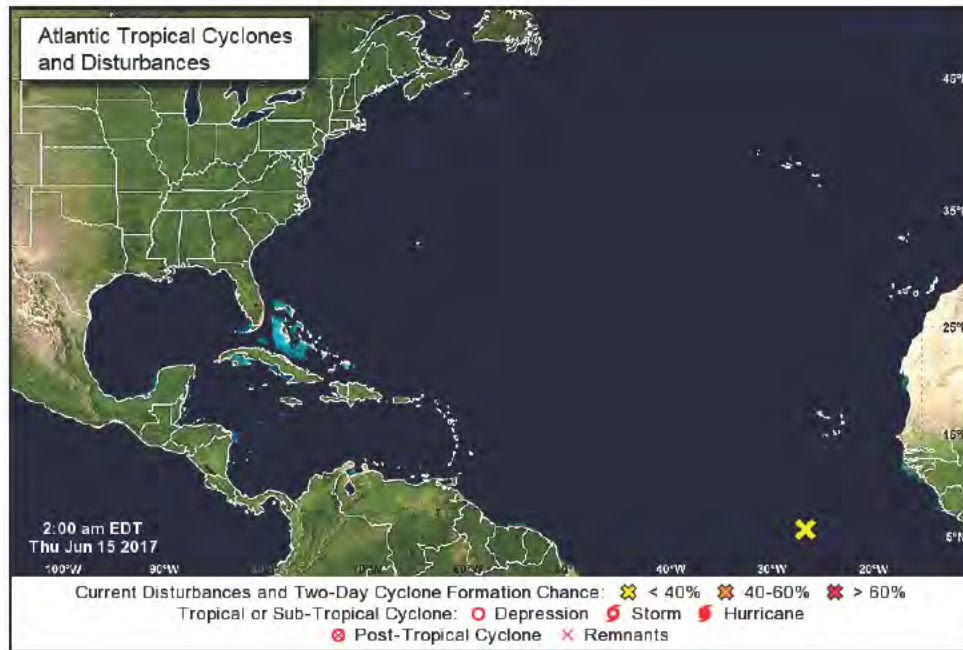
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather

Source: National Weather Service/National Hurricane Center – June 15, 2017

## Atlantic Ocean



An area of disturbed weather associated with a tropical wave is located well south-southwest of the Cabo Verde Islands. Some gradual development of this system is possible during the next several days while the wave moves westward near 20 miles per hour over the tropical Atlantic. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

## Other News and Notes

### Shooting Incident - Alexandria, Virginia

Source: Department of Homeland Security - June 15, 2017

A member of the U.S. House of Representatives is in critical condition after being shot at Eugene Simpson Stadium Park located in Alexandria, Virginia. Law enforcement officials have identified the shooting suspect as a 66-year-old male from Belleville, Illinois, who died following a shootout with authorities. There is one reported fatality (gunman) and four people were hospitalized after being wounded by the suspect (a U.S. Representative, two U.S. Capitol Police Officers, and a Congressional staffer). The FBI has taken the lead for the investigation.

Law enforcement is conducting a trace on two firearms, a rifle and a handgun, that were recovered at the scene.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, June 16, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 16, 2017*

There was no Incident Status Summary (ICS-209) issued yesterday for the **Freeze 2 Fire** (Arizona); therefore, the fire will not be summarized in today's report.

## **Lizard Fire**

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service)
- Burned Acres: 15,214 (+2)
- Containment: 80-percent (+10)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 365 (-95) / 64 (-21)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-18) / 0 (-3)
- Evacuations / Sheltered in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 30



Comments: The Lizard Fire is a U.S. Forest Service (USFS) fire burning mostly on USFS lands, but the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire. The fire behavior was described as minimal during this reporting period. The evacuation notice for the community of Cochise Stronghold was lifted yesterday. Rough terrain is limiting access on the western portion of the fire.



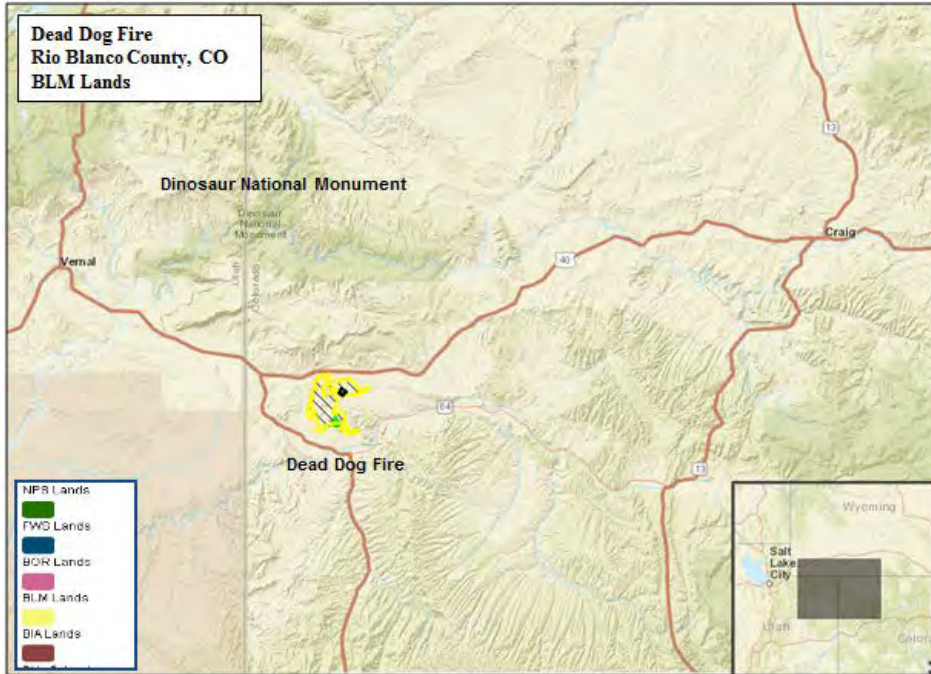
IGEMS Image

## Colorado Fires

### **Dead Dog Fire**

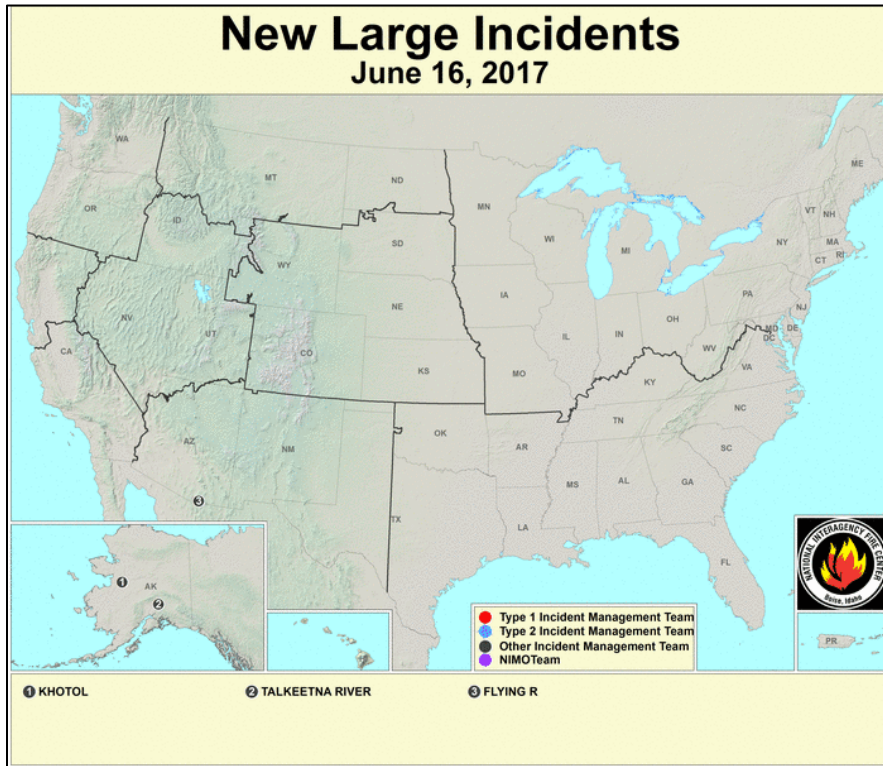
- Start Date: June 11
- Location: Rio Blanco County, CO (BLM)
- Burned Acres: 17,731 (no change)
- Containment: 95-percent (+35)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 305 (-20) / 76 (-13)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-50) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 16

Comments: Fire activity was described as minimal during this observation period, and the potential for perimeter growth is minimal over the next couple of days. There are residential and commercial structures threatened; however, the threat to oil and gas infrastructure in the fire area is reduced due to progress in suppression efforts and fire behavior.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 16, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (100 new fires)
New large fires:	3
Large fires contained:	1
Uncontained large fires: **	6
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No new activity has been observed in seismic, infrasound, or satellite data of the Bogoslof Volcano since the explosive event on June 13. Clouds obscured views of the volcano in satellite images. Bogoslof remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no activity has been observed in seismic or infrasound data. Clouds obscured views in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 15, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

### **Earthquake Activity**

The United States Geological Survey (USGS) reported that a magnitude 4.5 earthquake occurred on June 15 at 8:48 p.m. EDT, approximately 8 miles to the north-northeast of West Yellowstone, Montana at depth of 5.5 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood of casualties and damage.

### **Significant National Weather**

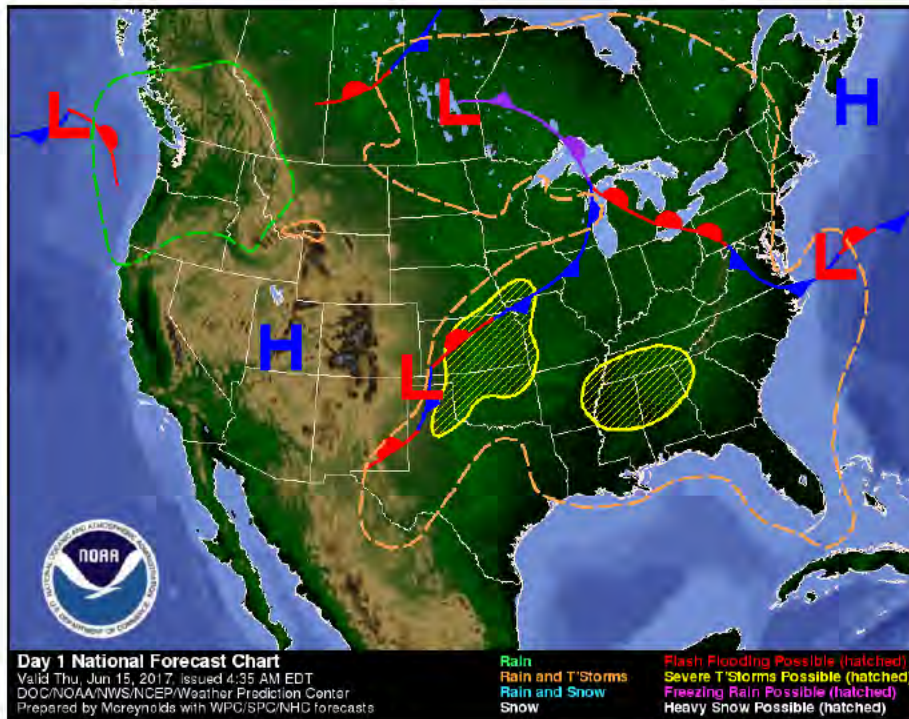
*Source: National Weather Service - June 16 2017*

#### **Today**

There is a frontal system that extends from the mid-Atlantic through the Great Lakes, and a second front that spreads across the Plains. A slight chance of severe storms from Nebraska to Illinois with hail and wind are big concerns for today. Heavy rain from frequent showers will affect portions of the Midwest and Appalachians, and rain in many places will exceed 2-3 inches by end of the weekend. Showers and thunderstorms will blanket much of the eastern U.S. through the weekend and a fast-moving Pacific front will continue to spread rain showers across Northwest U.S. Dangerous heat sets up across much of California, the Desert Southwest, and the Southern Plains. Daily records may be reached, or exceeded, well into the weekend with maximum temperatures ranging from 100 to 120+. Heat Advisories and Excessive Heat Warnings are in effect from California to Texas.

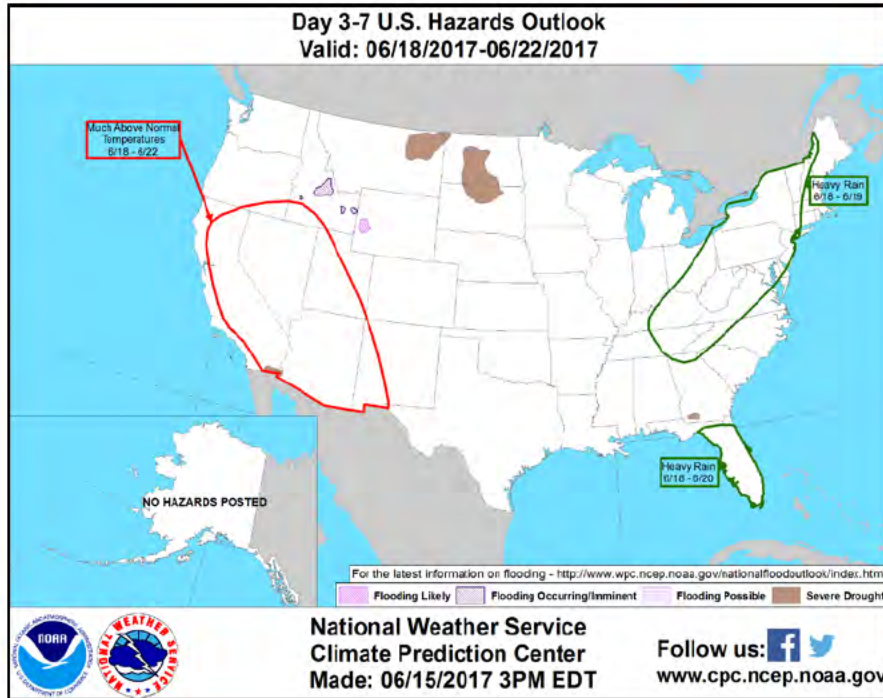
#### **Tomorrow**

For tomorrow, scattered rain and thunderstorms will develop from the northern Rockies east to New England then south into the central Plains, Ohio Valley, mid-Atlantic, and Southeast. One or two large clusters of thunderstorms may form across parts of the upper Midwest, mid and lower Missouri Valley, and central Plains Saturday through Saturday night. These clusters could be accompanied by a considerable risk for potentially damaging wind gusts and some severe hail. Heavy down pours over short periods of time could lead to localized flooding. Scattered rain showers will be possible for western Washington. Elsewhere, high pressure will remain over the Southwest producing very warm temperatures and dry weather for the Four Corners, Southwest, and California.



## Weather Hazard Assessment

- June 18-20: Periods of heavy rain for peninsular Florida, and localized flooding.
- June 18-19: Heavy rain for portions of New England, New York, the mid-Atlantic, the Appalachians, and the upper Ohio and upper Tennessee valleys.
- June 18-22: Much above-normal temperatures for interior California, central and southern portions of the Intermountain region, and adjoining parts of the western Rockies.
- June 23: Heavy rain from eastern Louisiana to the central Florida panhandle.
- June 23: High risk of much above-normal temperatures for eastern California, southern and southwestern Nevada, and the southwestern half of Arizona.
- June 23-24: Moderate risk of much above-normal temperatures for interior California, Arizona, most of Nevada, and southwestern portions of both Utah and New Mexico.
- June 23-25: Slight risk of much above-normal temperatures for much of the western half of the contiguous U.S.
- Severe drought across the northern Plains, southwestern Georgia, and along the southern California border with Arizona.

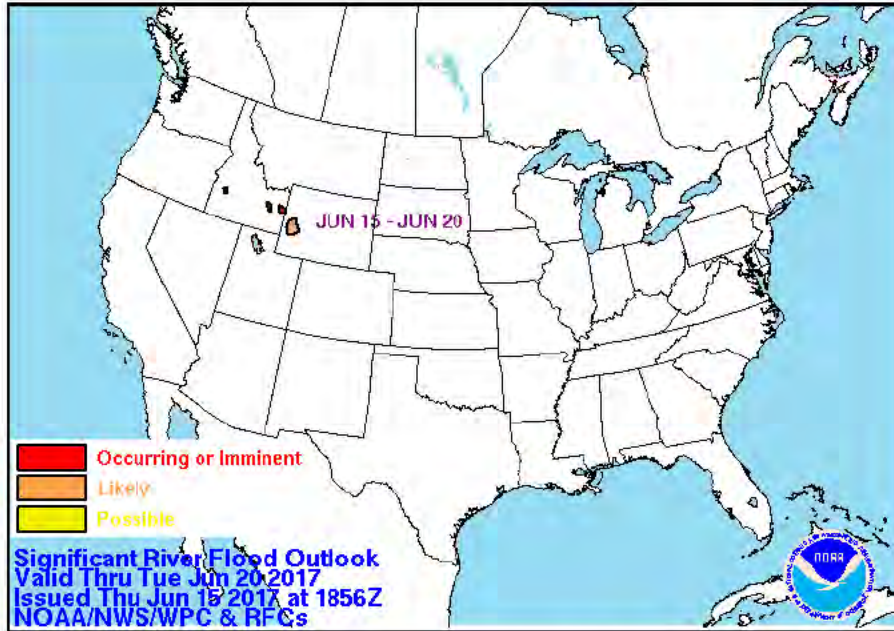


### Alaska Weather



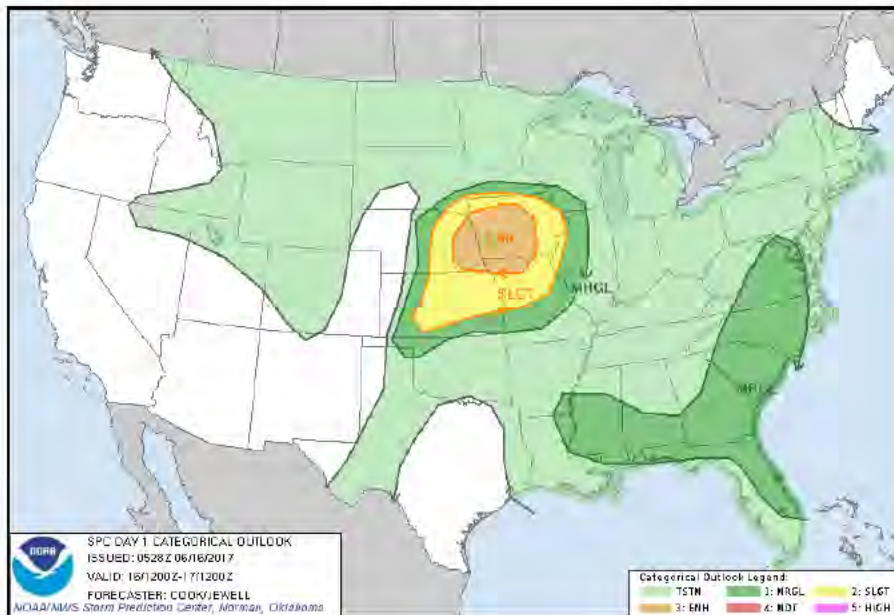
There is a Small Craft Advisory in effect for the central Gulf of Alaska, from Sitkinak to Icy Cape, the Barren Islands, the Shelikof Strait, the Cook Inlet, and much of the Aleutian Islands.

## Significant River Flooding



Significant River Flooding is occurring or likely today in portions western Wyoming and Idaho.

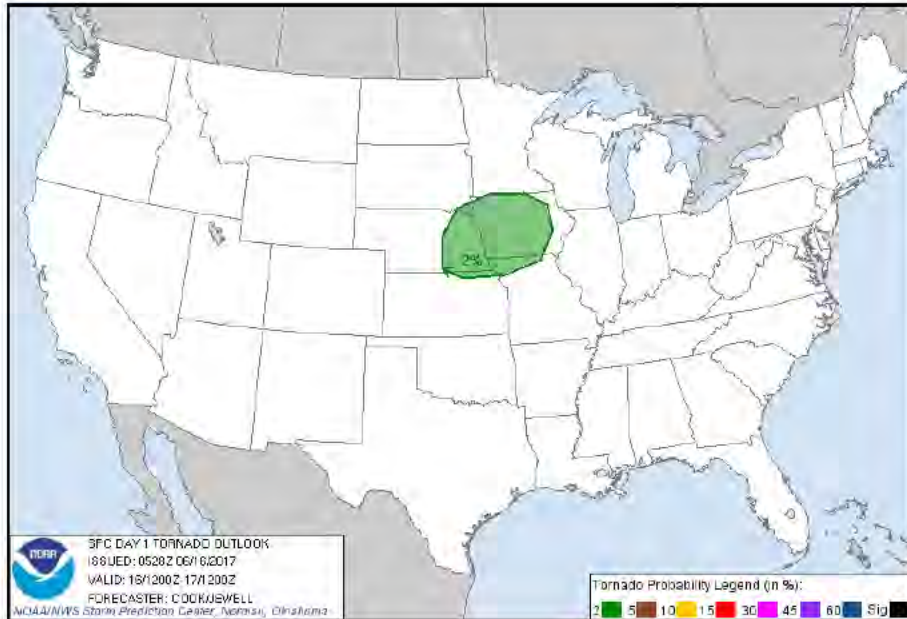
## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today across eastern Nebraska, Iowa, and northwestern Missouri. There is Slight Risk of severe thunderstorms surrounding the Enhanced Risk area, from the central Plains eastward to the mid-Mississippi River Valley. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area, from the central Plains eastward to the mid-Mississippi River Valley. An additional area with a Marginal Risk is

from the lower Mississippi Valley eastward along the East Coast, spanning from Florida to Maryland.

### **Tornado Weather**



There is a 2-percent chance of tomado activity today across eastern Nebraska, northern Kansas, northwestern Missouri, and much of Iowa.

### **Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

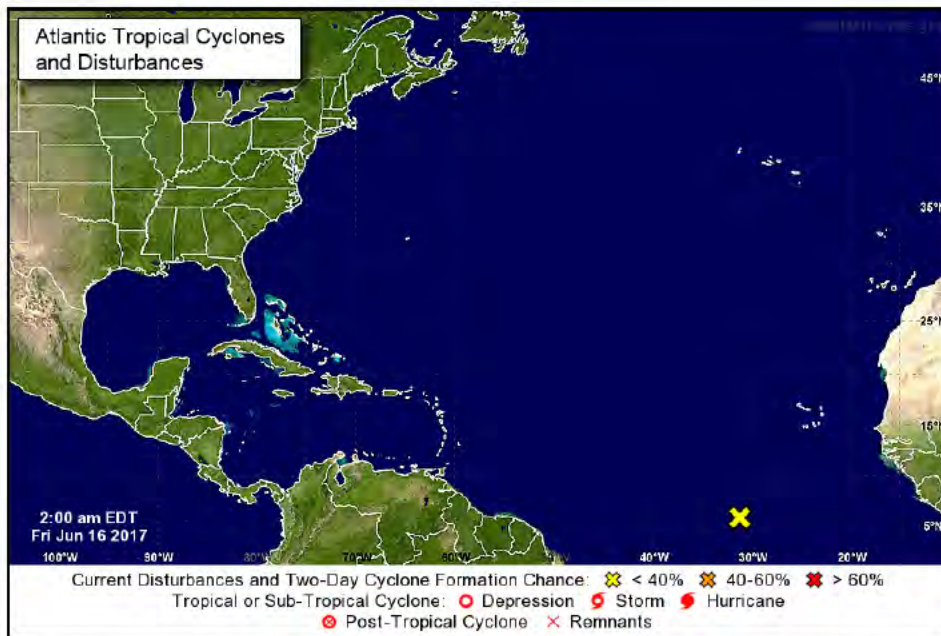
### **Tropical Weather**

Source: *National Weather Service/National Hurricane Center – June 16, 2017*

### **Atlantic Ocean**

Cloudiness and showers associated with a tropical wave located several hundred miles southwest of the Cabo Verde Islands are showing some signs of organization. Development, if any, of this system should be slow to occur during the next few days while the wave moves westward near 20 miles per hour over the tropical Atlantic. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

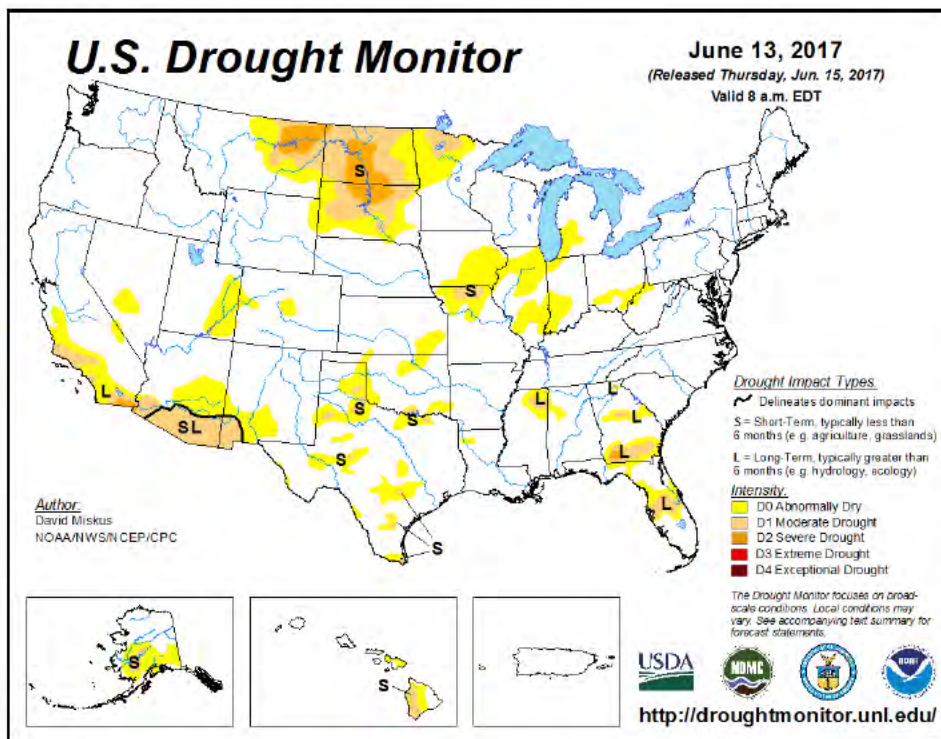




### Other News and Notes

#### **U.S. Drought Monitor**

Source: *National Drought Mitigation Center - June 15, 2017*



After a rather wet May with near-to-slightly below normal temperatures and generally favorable growing conditions, the central Plains and the Midwest have abruptly become dry and warm

during the past several weeks, raising concerns of rapid topsoil moisture loss and declining crop conditions. In contrast, slow-moving Pacific systems crept across the Northwest and into the northern Plains, bringing unsettled weather to the region including measurable snow to higher elevations of the Sierras, while also producing scattered thunderstorms to parts of the drought-stricken Dakotas late in the period. In the Southeast, a stalled front combined with the start of Florida's rainy season, dumped moderate to heavy rainfall (2-8 inches, locally over a foot) along the coastal areas of the eastern Gulf and southern Atlantic coasts, especially in Florida. In Hawaii, recent drier weather on the windward sides of Maui and the Big Island led to abnormally dry expansions, while wetter weather in Alaska eased wildfire conditions.

***\*End of Report\****

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IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, June 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## U.S. Bureau of Reclamation Dam Response Activity

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: Bureau of Reclamation - June 16, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is currently operating appropriately, and there are no concerns with dam safety. On June 16, the reservoir water surface (RWS) elevation was observed to be 6,412.7 feet, calculated inflows were 175 cfs, and releases were 220 cfs. The RWS elevation has dropped approximately 1.9 feet since June 8. As of June 15, downstream flows in Owl Creek were observed to be 250 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

## **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: Bureau of Reclamation - June 16, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton.

The Bull Lake Dam remains in a Response Level 1. As of June 15, the RWS elevation was 5,788.0 feet, calculated inflows were 1,141 cfs, and releases were 661 cfs. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

## **Response Level 1 - Buffalo Bill Dam, Wyoming (Initial Report)**

*Source: Bureau of Reclamation - June 16, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the RWS elevation rising more than 0.5 feet in a 6-hour period from the afternoon of June 5 through June 6. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody.

As of June 15, the RWS elevation was 5,372.8 feet, calculated inflows were 5,523 cfs, and releases were 3,227 cfs. The reservoir storage was 487,953 acre-feet (AF), leaving approximately 158,612 AF of space in the reservoir. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

## **Wildland Fire Activity**

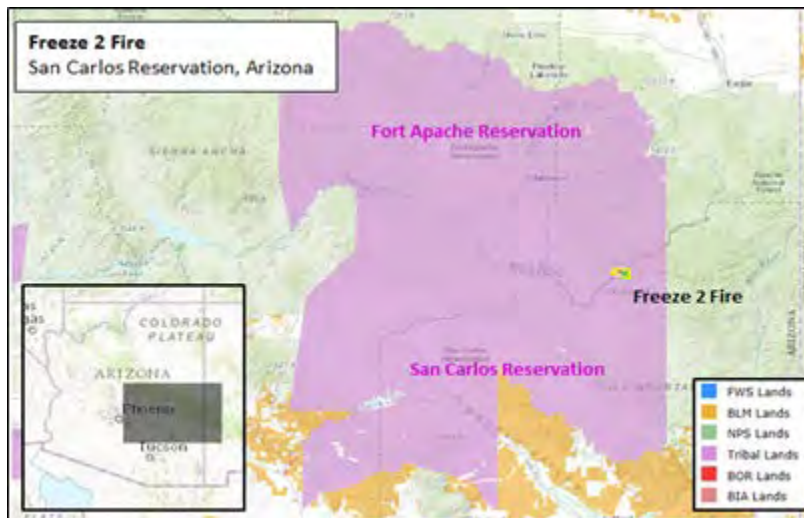
*Source: Fire and Aviation Management Website - June 19, 2017*

### **Arizona Fires**

#### **Freeze 2 Fire**

- Start Date: June 1
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 2,832 (no change)
- Containment: 70-percent (+15-percent)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 110 (-153) / 74 (-56)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 19

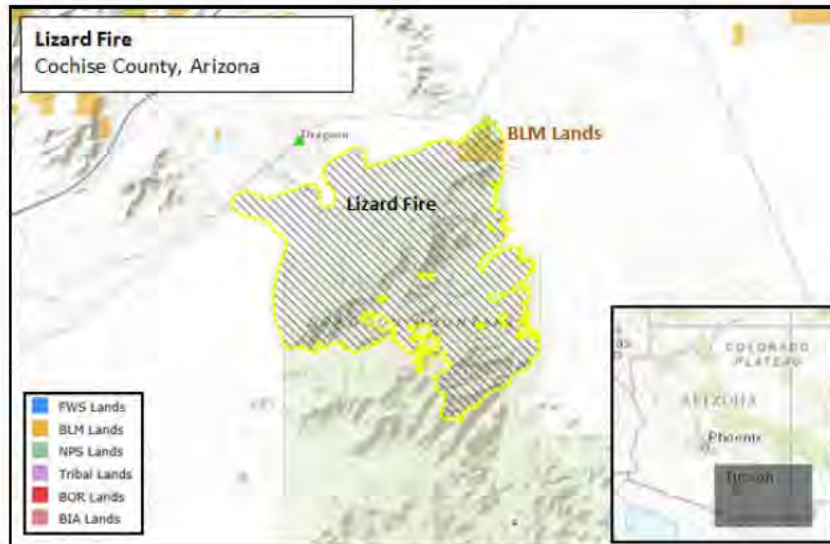
Comments: Fire activity was described as minimal during this observation period. No structures have been damaged or destroyed by the fire, and measures have been taken to protect those structures that were previously identified as threatened. Recreation permits have been temporarily suspended by the San Carlos Reservation and the Fort Apache Reservation. Transition to a Type 3 IMT occurred over the weekend.



## Lizard Fire

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service)
- Burned Acres: 15,230 (+16)
- Containment: 80-percent (+10)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 241 (-124) / 57 (-7)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 30

Comments: The Lizard Fire is a U.S. Forest Service (USFS) fire burning mostly on USFS lands, however, the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire. The fire behavior was described as minimal during this reporting period. The evacuation notice for the community of Cochise Stronghold was lifted, while other evacuations remain in place. Rough terrain is limiting access on the western portion of the fire.



IGEMS Image

## Colorado Fires

### **Dead Dog Fire (Final)**

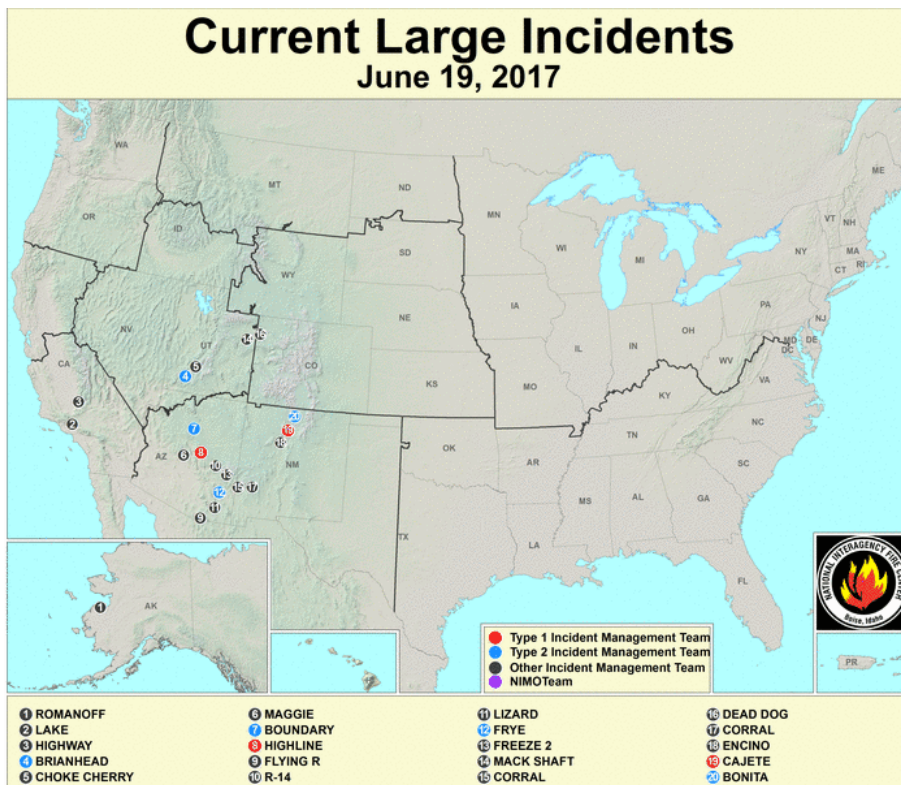
- Start Date: June 11
- Location: Rio Blanco County, CO (BLM)
- Burned Acres: 17,731 (no change)
- Containment: 100-percent (+5-percent)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 56 (-54) / 16 (-58)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (-1) / 0 (no change)
- Containment Date: June 18

Comments: Fire activity was described as minimal during this observation period. The fire reached 100% containment on June 18 and will no longer be summarized in this report.



IGEMS Image

## Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 19, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (87 new fires)
New large fires:	3
Large fires contained:	1
Uncontained large fires: **	15
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	4

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No unusual activity was observed in seismic, infrasound, or satellite data of the Bogoslof Volcano during this reporting period. An 8-mile long steam plume emanating from Bogoslof Island was observed in one satellite image over the weekend. Clouds obscured views of the volcano in satellite images. Bogoslof remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no activity has been observed in seismic or infrasound data. Clouds obscured views in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-



producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit in the Halema‘uma‘u Crater and at Pu‘u‘ō‘ō on the East Rift Zone, with no significant change during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persist above and on the pali, to the southeast of Pu‘u ‘Ō‘ō. These lava flows are posing no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

### **Earthquake Activity**

*Source: United States Geological Survey (USGS)*

The USGS reported that a magnitude 5.4 earthquake occurred on June 16 at 8:17 p.m. EDT, approximately 51 miles southeast of Atka, Alaska, at a depth of 12 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood of casualties and damage. The event occurred offshore, however, there was no tsunami threat generated.

The USGS reported that a magnitude 6.1 earthquake occurred on June 17 at 6:26 p.m. EDT, approximately 420 miles south of the Fiji Islands at a depth of 321 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood of casualties and damage. The event occurred offshore, however, there was no tsunami threat generated.

### **Significant National Weather**

*Source: National Weather Service - June 19 2017*

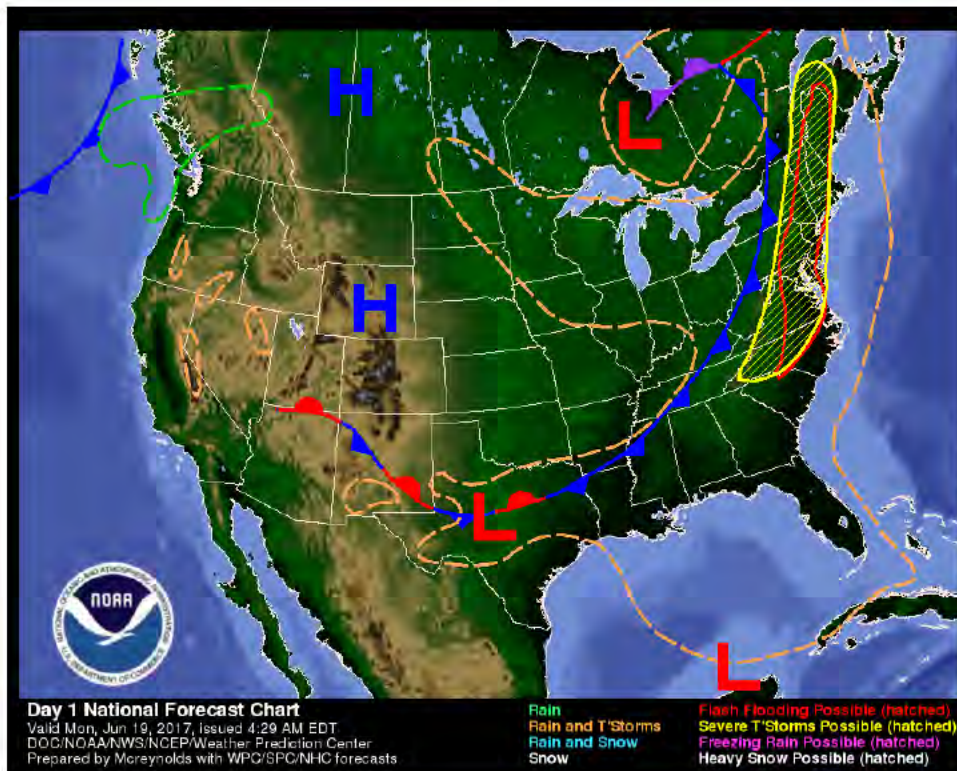
#### **Today**

Rain and thunderstorms will develop today from New England south into the Southeast, the deep South, and central Texas. Scattered strong to severe thunderstorms will likely occur across portions of the Northeast into the mid-Atlantic States this afternoon and evening. Damaging wind gusts will be the primary severe hazard, but a tornado or two and some hail may also be possible. Heavy rain may also develop with these thunderstorms and the National Weather Service has indicated that there is a slight risk of flash flooding from North Carolina to Maine. Flash Flood watches have been issued from the National Capital Region to Maine. Additionally, isolated strong and gusty winds may develop with thunderstorms across parts of the Southeast and Texas this morning into the afternoon. Additional showers and thunderstorms will develop from the upper Midwest to the Great Lakes and portions of the upper Ohio Valley. Scattered afternoon and evening showers and thunderstorms will develop across parts of southern New Mexico, Nevada, the Sierras, and Oregon Cascades. A Pacific cold front will approach the Northwest bringing widely scattered rain showers. High temperatures could exceed 110 for the

central valleys of California and much of the desert Southwest, with a few spots pushing 120 degrees. A large portion of the region is under Heat Advisories and Excessive Heat Warnings.

### Tomorrow

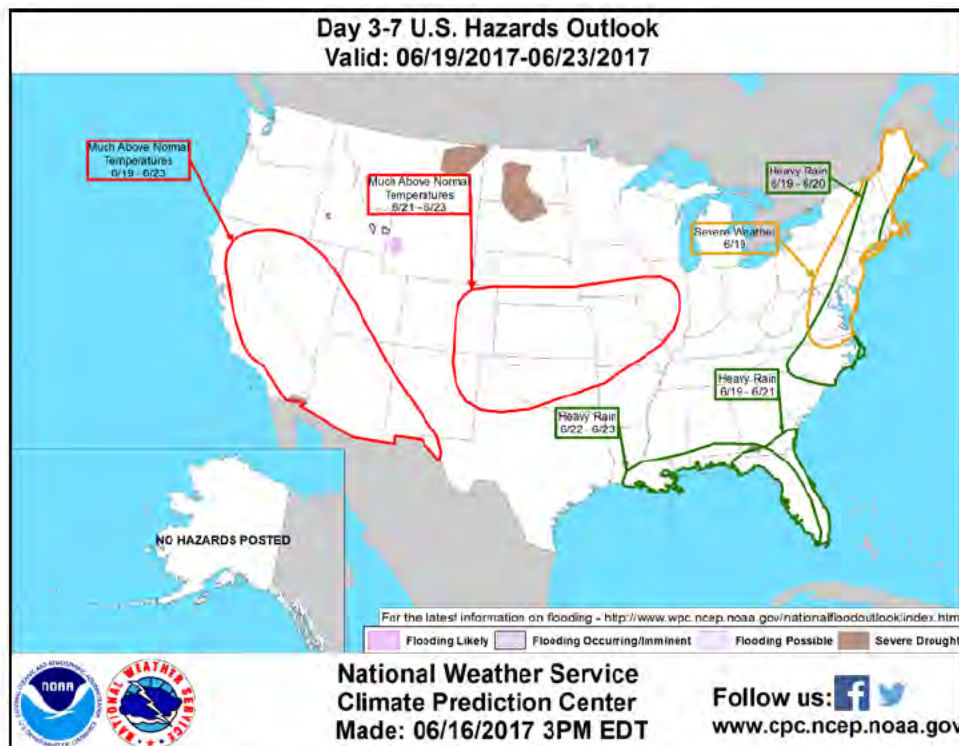
A cold front will extend from coastal New England south through the Carolinas into the deep South. Scattered showers and thunderstorms will develop from the Carolinas into the Southeast and Gulf Coastal areas. More rain and thunderstorms will extend from New England to the Great Lakes then continue into the central Plains to the Southwest. Another area of showers and thunderstorms will be possible for the upper Midwest, northern High Plains, and northern Rockies. Isolated severe thunderstorms are possible from western Kansas southwest into northeastern New Mexico and across portions of Montana late tomorrow afternoon and early evening. The Pacific frontal system from Monday will begin to slide into the Pacific Northwest. Scattered rain showers will be found across western Washington State. Elsewhere, the heat wave will continue across the Southwest and California.



### Weather Hazard Assessment

- Jun 19: Severe weather for New England, eastern New York, and the mid-Atlantic.
- Jun 19: Severe drought across the northern Plains, southwestern Georgia, and along the southern California border with Arizona.
- Jun 19-20: Heavy rain for most of the Atlantic coastal plain as far south as North Carolina.

- Jun 19-21: Periods of heavy rain for Florida and southeast Georgia, and localized flooding.
- Jun 19-23: Much above-normal temperatures for interior California, the central and southern portions of the Intermountain region, and adjoining parts of the western Rockies.
- Jun 21-23: Much above-normal temperatures from the south-central High Plains eastward into the middle Mississippi Valley.
- Jun 22-23: Heavy rain for the eastern half of the Gulf Coast.
- Jun 24: Moderate risk of much above-normal temperatures for interior central and southern California, the central and southern portions of the Intermountain region, and the southern Rockies.
- Jun 24-25: Slight risk of much above-normal temperatures for interior California, southern Oregon, the central and southern Intermountain region, and the far southern Rockies.

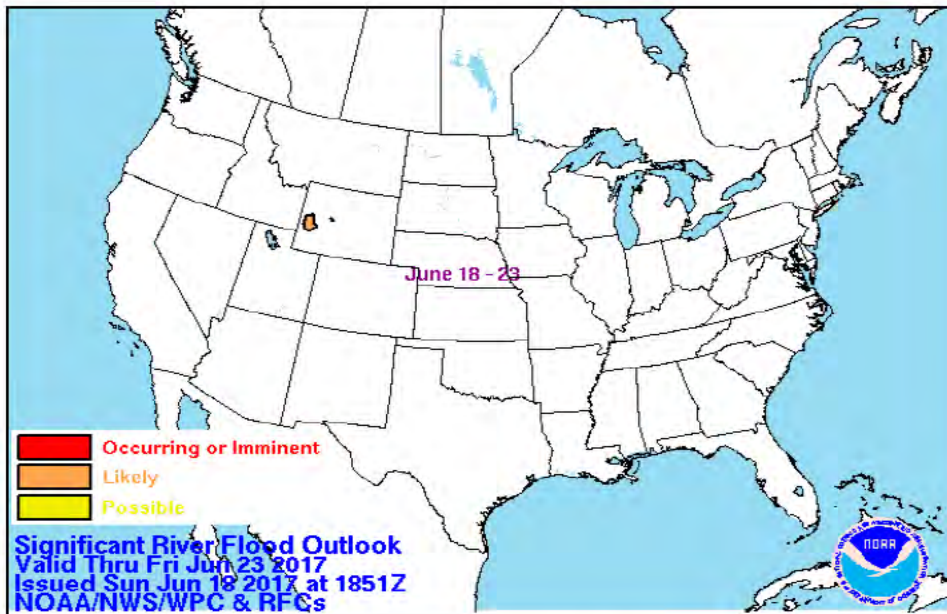


## Alaska Weather



There is a Small Craft Advisory in effect for the Gulf of Alaska, the eastern Aleutian Islands, Kuskokwim Delta, and the Etolin Strait. There is a Brisk Wind Advisory from Flaxman Island to Demarcation Point.

## Significant River Flooding



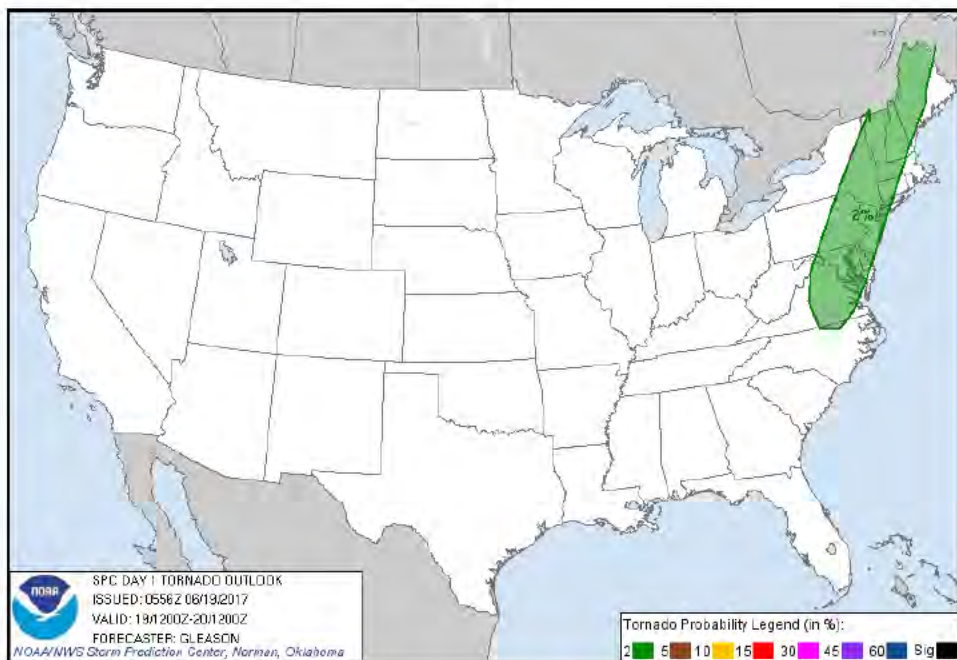
Significant River Flooding is occurring or likely today in portions of Wyoming.

## Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today across parts of the mid-Atlantic and southern New England. There is Slight Risk of severe thunderstorms surrounding the Enhanced Risk area from North Carolina to New England. There is a Marginal Risk of severe thunderstorms stretching from the across parts of the Northeast to the Southeast and Texas.

## Tornado Weather



There is a 2-percent chance of tornado activity today across parts of the mid-Atlantic into New England.

### **Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

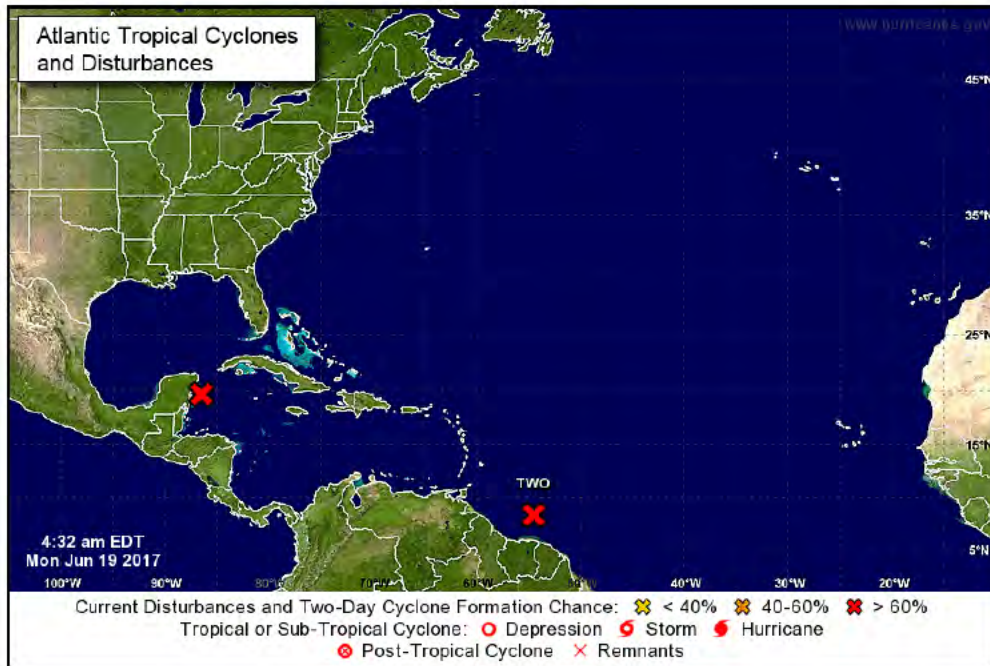
### **Tropical Weather**

*Source: National Weather Service/National Hurricane Center – June 19, 2017*

### **Atlantic Ocean**

The National Hurricane Center is issuing advisories on Potential Tropical Cyclone Two, located several hundred miles east-southeast of the southern Windward Islands. The system is moving toward the west at roughly 23 mph, and a fast motion toward the west-northwest is expected over the next 48 hours. This system has maximum sustained winds near 40 miles per hour, with higher gusts. Some strengthening is expected during the next 48 hours, and the disturbance is forecast to be tropical storm strength when it moves through the Windward Islands tonight and early Tuesday. This system has a 90-percent chance of developing into a tropical cyclone over the next 48 hours.

A system of low pressure is located near the east coast of the Yucatan Peninsula and continues to produce a large area of disorganized showers and thunderstorms along with winds to gale force several hundred miles to the east and northeast of the estimated center. While the low continues to lack a well-defined center of circulation, gradual development of this system is expected when it moves over the southern or central Gulf of Mexico later today and Tuesday, where a tropical or subtropical cyclone is likely to form. Regardless of development, heavy rains are expected to continue over portions of Central America, the Yucatan Peninsula, Jamaica, the Cayman Islands, and western Cuba during the next few days. This system has an 80-percent chance of developing into a tropical cyclone over the next 48 hours.



*\*End of Report\**

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- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, June 20, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## U.S. Bureau of Reclamation Dam Response Activity

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: Bureau of Reclamation - June 19, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. Runoff from snow-melt on the unregulated tributaries downstream of the dam combined with reservoir releases are resulting in higher than normal flows that may cause some minor flooding. High flows are expected to continue this week due to warm weather and runoff from higher than average snowpack.

The dam is currently operating well, and there are no concerns with the dam safety. The reservoir water surface (RWS) elevation was observed to be 6,412.3 feet, peak flow in Owl Creek downstream of the dam crested at approximately 430 cfs. The flow rate is fluctuating with the cyclic warming and cooling of the day.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and maintaining contact with local emergency



management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: Bureau of Reclamation - June 19, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton.

The Bull Lake Dam remains in a Response Level 1. As of June 19, the RWS elevation was 5,790.63 feet, reservoir storage was 109,623 acre-feet (AF), and calculated inflows as of June 18 were 3,722 cfs, while the releases were 2,781 cfs.

A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: Bureau of Reclamation - June 19, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the RWS elevation rising more than 0.5 feet in a 6-hour period from the afternoon of June 5 through June 6. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody.

As of June 19, the RWS elevation was 5,379.4 feet, calculated inflows as of June 18 were 9,856 cfs, and releases were 2,740 cfs. The reservoir storage was 529,161 acre-feet (AF), leaving approximately 117,404 AF of space in the reservoir. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 20, 2017*

There Incident Status Summary (ICS-209) for the **Freeze 2 Fire** (Arizona) and **Lizard Fire** (Arizona) were not updated yesterday; therefore, the fires will not be summarized in today's report. Reporting will resume when updated ICS-209s are published.

### **Arizona Fire**

#### **Maggie Fire (Initial)**

- Start Date: June 18
- Location: Yavapai County, AZ (Bureau of Land Management)
- Burned Acres: 1,400
- Containment: 50-percent

- Management: Type-3 IMT
- Personnel Assigned / DOI: 109 / 58
- Structures Threatened-Single-Mixed Residential/Commercial: 6 / 0
- Evacuations / Sheltered in place: 750 / 0
- Civilian Injuries / Fatalities: 2 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: June 22

Comments: Fire activity was described as minimal during this observation period. There is a moderate potential for spreading due to the hot, dry weather and extreme heat. Temperatures in the area are forecast to reach near 120 degrees. There is a moderate threat to the communities of Bumble Bee and Black Canyon City over the next 48 hours. The fire is currently managed by a Type-3 Team, but will transition to a Type 4 IMT tomorrow evening.



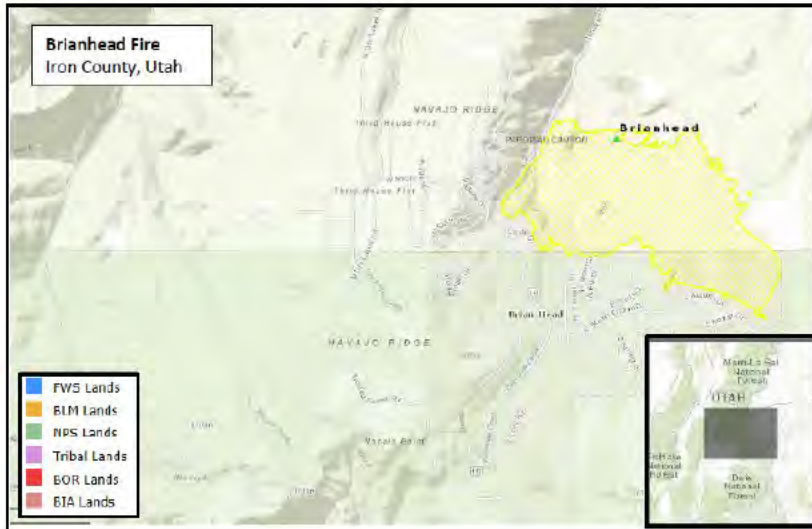
IGEMS Image

## Utah Fire

### **Brianhead Fire (Initial)**

- Start Date: June 19
- Location: Iron County, UT (U.S. Forest Service)
- Burned Acres: 976
- Containment: 4-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 420 / 91
- Structures Threatened-Single-Mixed Residential/Commercial: 344 / 35
- Evacuations / Sheltered in place: 750 / 0
- Civilian Injuries / Fatalities: 2 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: July 8

Comments: The Brianhead Fire is a U.S. Forest Service (USFS) fire burning on USFS lands, and additional spreading is likely to the north and northeast of the fire perimeter. This projected growth may threaten Bureau of Land Management (BLM) lands to the north of the fire perimeter. This fire is a moderate threat to the town of Brian Head, which has a population of 83 people (2010 U.S. Census Bureau), but is a popular resort town for outdoor activities during the summer months. Visitors are included in the total number of personnel evacuated.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 20, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (113 new fires)
New large fires:	2
Large fires contained:	3
Uncontained large fires: **	10
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. It is possible for low-level unrest, including explosive activity, to occur that AVO is unable to detect with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano. Bogoslof remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but no activity has been observed in seismic or infrasound data. Clouds obscured views in satellite images of the volcano during this reporting period. No new activity was observed in seismic or infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There were no significant changes in activity observed at Kīlauea Volcano during the reporting period. The volcano continues to erupt at the summit and the Pu‘u‘ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and active surface flows persists above the pali. These lava flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## **Significant National Weather**

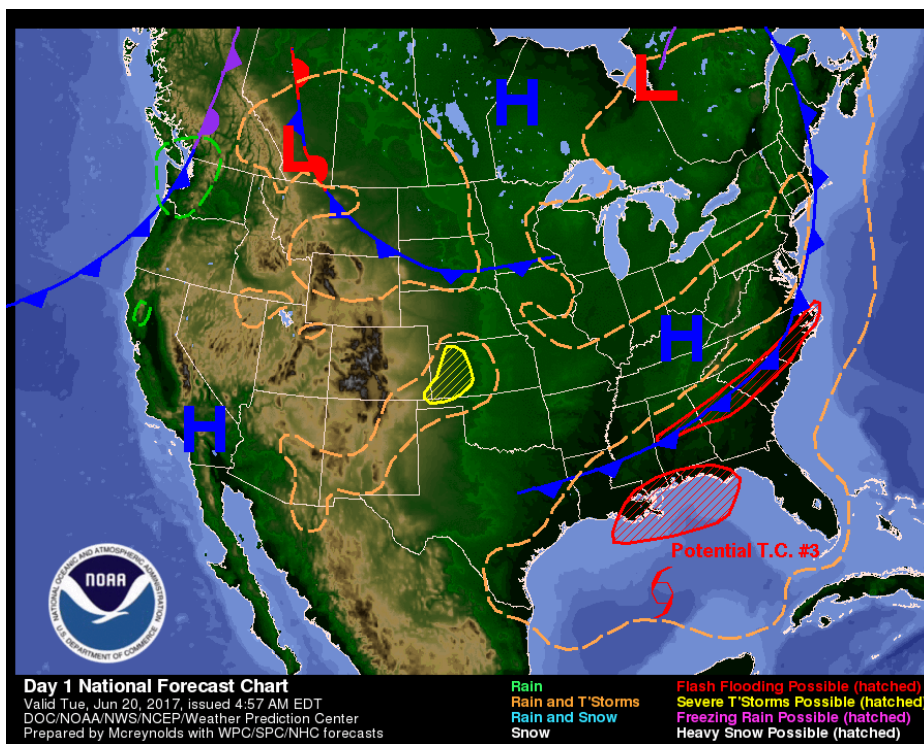
*Source: National Weather Service - June 20 2017*

### **Today**

Rain and thunderstorms will develop across the Great Lakes region and portions of the Northeast and New England. Additional showers and thunderstorms are possible across the Carolinas, the Southeast, and the deep South. Heavy rain and possible flash flooding will develop along the front extending from eastern North Carolina to central Alabama. An area of thunderstorms will extend from the central Plains to the southern Four Corners region, where a few of the thunderstorms across western Kansas could be severe. A frontal boundary will stretch across the western High Plains into the upper Midwest. Rain and thunderstorms will develop across the Dakotas and western High Plains. A Pacific frontal system will push into the Northwest. Rain showers are likely over western Washington and into the northern Sierras. Elsewhere, there will be no letup expected to the ongoing heat wave across the Southwest, the Great Basin, and much of California, with dangerous heat expected to persist for the next few days. Both record high temperatures and record high minimum temperatures are possible over the next few days.

## Tomorrow

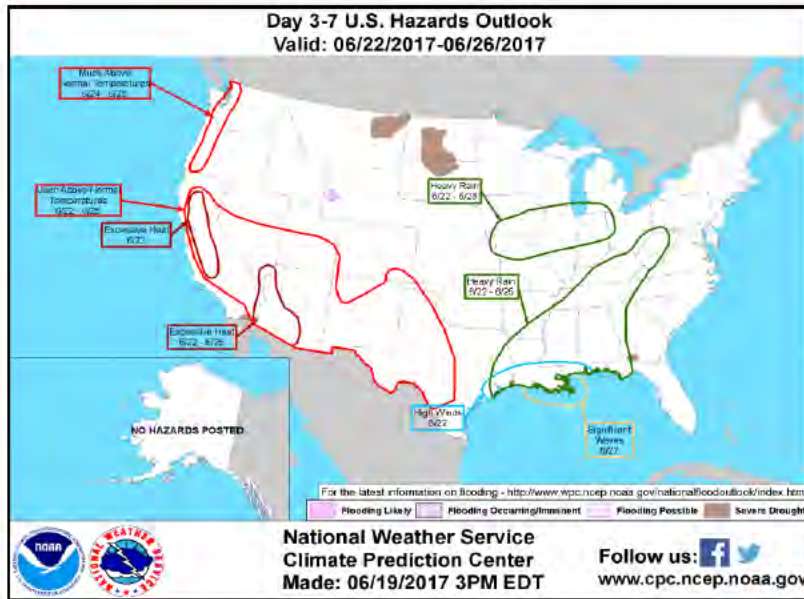
A stationary front will extend from southeast Virginia into the deep South and eastern Texas. Additionally, a tropical disturbance will approach the central Gulf Coastal region. Rain and thunderstorms are expected across the Southeast, the deep South, and the lower Mississippi Valley. Heavy rain and flash flooding will be possible from eastern Texas to the Florida Panhandle. There will also be a chance of a few severe thunderstorms for coastal Louisiana. Widespread showers and thunderstorms will linger across New England, portions of the Northeast, and the upper Ohio Valley. Scattered rain and thunderstorms will be possible from the Great Lakes and upper Midwest to the central and southwest Plains. Severe thunderstorms are possible across portions of the Great Plains to the upper Mississippi Valley tomorrow afternoon into night. A few widely scattered showers and thunderstorms are forecast across northeastern Utah, central and northeastern Nevada, and the central Sierras.



## Weather Hazard Assessment

- Jun 22: High winds across portions of the lower Mississippi Valley and the southern Plains.
- Jun 22: High significant wave heights for coastal portions of the lower Mississippi Valley along the Gulf of Mexico.
- Jun 22-23: Heavy rain across portions of the upper and middle Mississippi Valley, the Great Lakes, and the Ohio Valley
- Jun 22-25: Heavy rain across portions of the lower Mississippi Valley, the central and southern Appalachians, the Ohio and Tennessee valleys, the Southeast, and the southern Plains.

- Jun 22-25: Excessive heat across portions of the Southwest.
- Jun 22-25: Much above-normal temperatures across portions of the central and southern Plains, the central and southern Rockies, the central Great Basin, California, and the Southwest.
- Jun 23: Excessive heat across the Central Valley of California.
- Jun 27: Slight risk of much above-normal temperatures for portions of the Great Basin, the northern Rockies, California, the Pacific Northwest, and the Southwest.

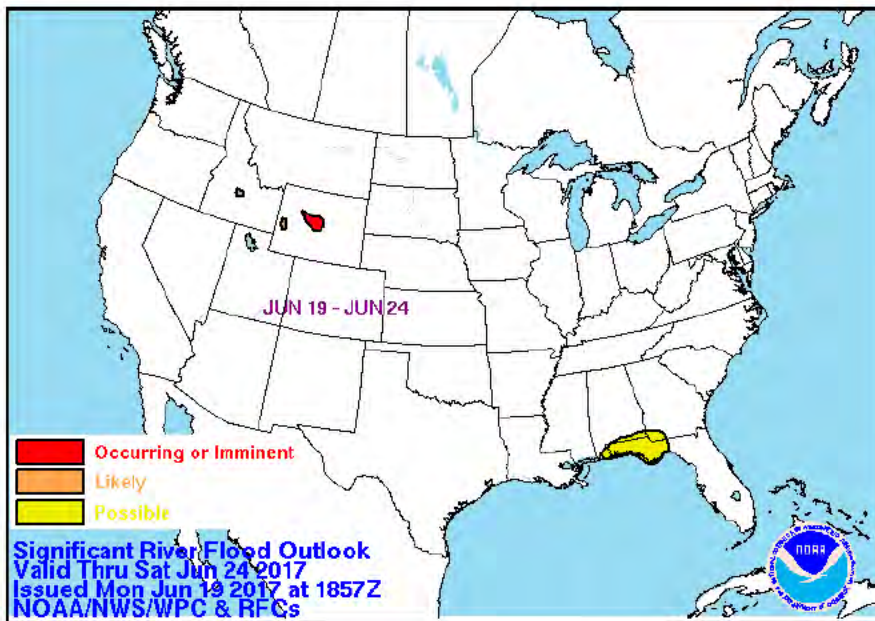


## Alaska Weather



There is a Small Craft Advisory in effect for the Gulf of Alaska, portions of the western and eastern Aleutian Islands, the Kuskokwim Delta, and the Etolin Strait. There is a Brisk Wind Advisory from Cape Halkett to Demarcation Point.

## Significant River Flooding



Significant River Flooding is occurring or likely today in central and western Wyoming and central Idaho. Significant River Flooding is possible in the Florida panhandle, southern Alabama, and southwestern Georgia.



## Severe Weather



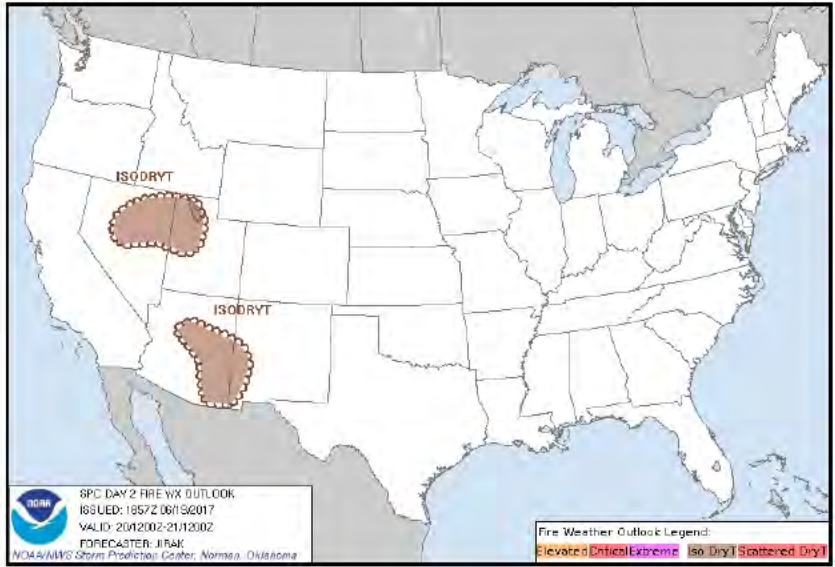
There is a Slight Risk of severe thunderstorms across western Kansas. There is a Marginal Risk of severe thunderstorms for portions of Montana, South Dakota, the central Gulf Coast, and surrounding the Slight Risk from southwestern Nebraska to northeastern New Mexico.

## Tornado Weather



There is a 2-percent chance of tornado activity today across parts of the Florida panhandle, southeastern Louisiana, southern Alabama, and southern Mississippi.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S; however, there are isolated dry thunderstorm areas across portions of northern Nevada, northwestern Utah, Arizona, and southwestern New Mexico.

## Tropical Weather

Source: *National Weather Service/National Hurricane Center – June 20, 2017*

### Atlantic Ocean

### Potential Tropical Cyclone Three

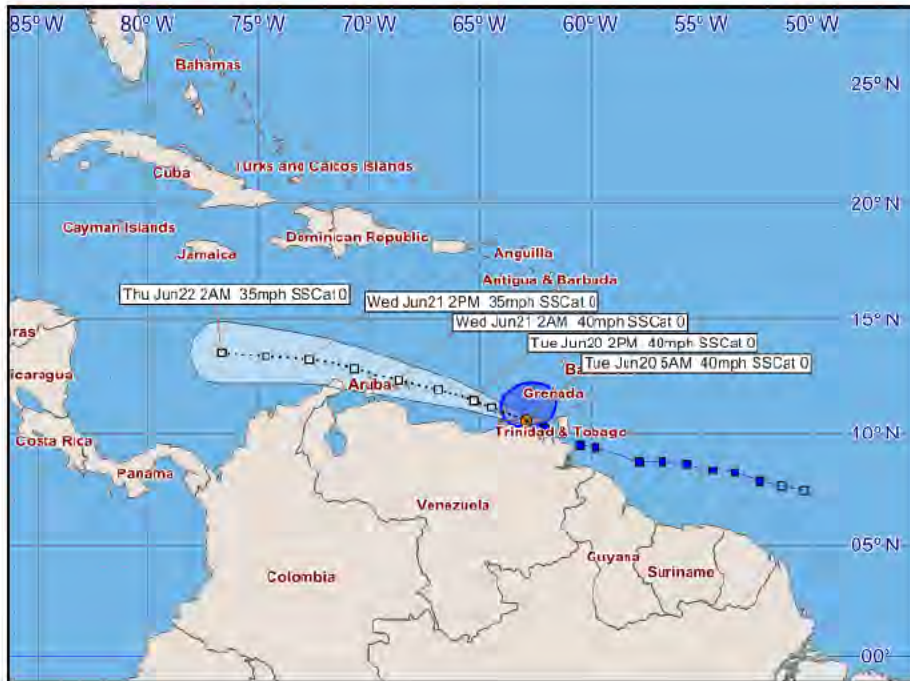


As of 5:00 a.m. EDT, the disturbance was approximately 305 miles south-southwest of the mouth of the Mississippi River. The system is moving toward the northwest near 8 miles per hour, and this general motion should continue through Wednesday, with a turn toward the north expected Wednesday night or Thursday. The disturbance is expected to be near the Louisiana coast late Wednesday or Wednesday night. Maximum sustained winds are near 40 mph, with higher gusts. Some slight strengthening is possible before the system reaches the coast. Upper-level winds are expected to be marginally conducive for some additional development of this system during the next day or two, and a subtropical or tropical cyclone is likely to form during that time. Tropical-storm-force winds extend outward up to 205 miles, mainly to the east of the center.

Tropical storm conditions are expected to first reach the coast within the warning area by Tuesday afternoon. Tropical storm conditions are possible in the watch area on Wednesday. A Tropical Storm Warning is in effect from Cameron, LA to the mouth of the Pearl River, while a Tropical Storm Watch is in effect from west of Cameron, LA to High Island, TX.

The disturbance is expected to produce total rain accumulations of 4 to 8 inches with isolated maximum amounts of 10 inches over southeastern Louisiana, southern Mississippi, southern Alabama, and the Florida Panhandle through Thursday morning. Rainfall amounts of 2 to 4 inches with isolated maximum amounts of 6 inches can be expected farther west from southwestern Louisiana to southeastern Texas through Thursday morning. Inundations of 1 to 3 feet are possible along the coast in the Tropical Storm Warning area.

### Tropical Storm Bret



As of 5:00 a.m. EDT, the center of Tropical Storm Bret was about 75 miles west of Trinidad. Bret is moving toward the west-northwest near 21 miles per hour, and this general motion is expected to continue through today. The center of the Tropical Storm will move into the extreme southeastern Caribbean Sea later today. Maximum sustained winds are near 40 mph, with higher gusts. Little change in strength is expected today, and a weakening trend will begin later today as Bret is forecast to become a Tropical Depression. Tropical-storm-force winds extend outward up to 125 miles from the center.

*\*End of Report\**

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, June 22, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 2**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Tropical Storm Cindy - Gulf of Mexico

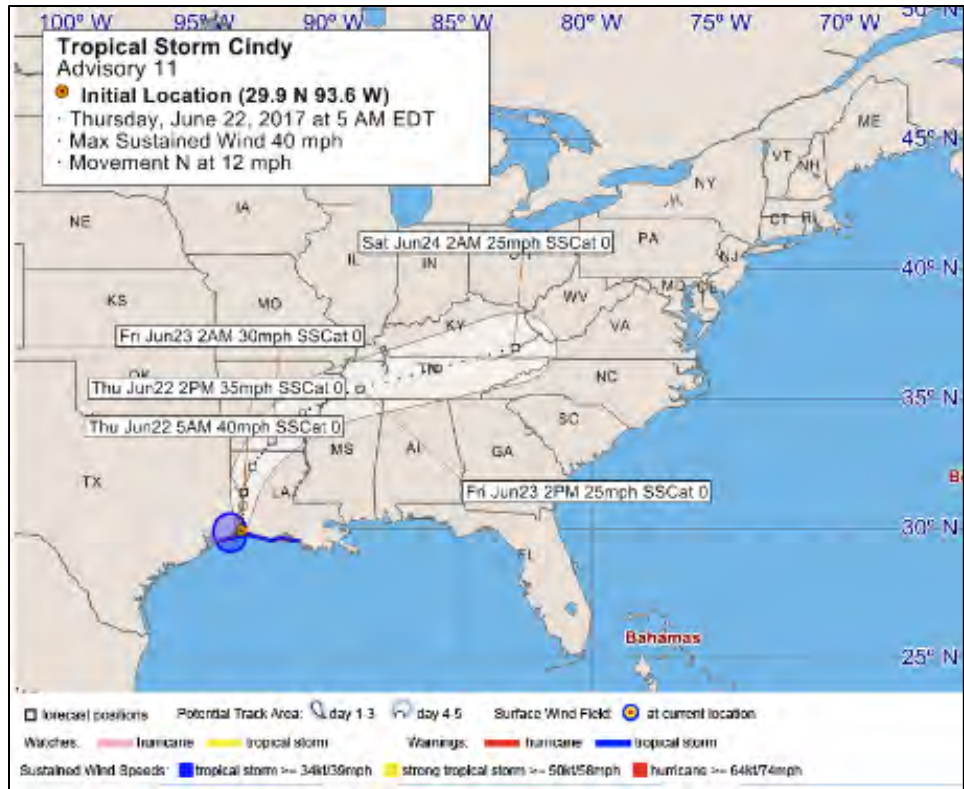
*Source: National Weather Service/National Hurricane Center - June 22, 2017*

## **General Situation**

Tropical Storm Cindy made landfall in southwestern Louisiana this morning. As of 5:00 a.m. EDT, Cindy was located approximately 30 miles to the south of Lake Charles, Louisiana and moving to the north at 12 miles per hour. A turn toward the north-northeast is expected tonight, followed by a turn toward the northeast on Friday. On the forecast track, the center will move into southeastern Arkansas early Friday and into Tennessee later on Friday. Maximum sustained winds have decreased to 40 miles per hour, and the storm is expected to weaken into a tropical depression later today. Tropical storm force winds are extending outward up to 70 miles from the storm's center.

A Tropical Storm Warning is in effect from High Island, Texas to Morgan City, Louisiana, and tropical storm conditions are currently affecting portions of the Tropical Storm Warning area. Cindy is expected to produce rain accumulations of 3 to 6 inches, with isolated maximum amounts up to 12 inches over eastern Texas, western and central Louisiana, and southern and eastern Arkansas through Friday morning. Additional rainfall amounts of 2 to 4 inches, with isolated maximum amounts of 8 inches, are possible over southern Mississippi, southern and central Alabama, and the extreme western Florida Panhandle through Friday morning. This

rainfall could cause life-threatening flash flooding. Coastal inundation of 1 to 3 feet above ground level is expected along the coast in portions of the warning area, and a few tornadoes are possible through tonight from the lower Mississippi and Tennessee Valley regions to the central Gulf Coast.



HURREVAC Image

## **DOI Bureau and Office Reports**

### **Bureau of Safety and Environmental Enforcement (BSEE) Tropical Storm Cindy Update**

*Source: Bureau of Safety and Environmental Enforcement - June 21, 2017*

Offshore oil and gas operators in the Gulf of Mexico evacuated platforms and rigs due to Tropical Storm Cindy. The Bureau of Safety and Environmental Enforcement (BSEE) Hurricane Response Team is activated and monitoring the operator's activities. The team will continue to work with offshore operators and other State and Federal agencies until operations return to normal, and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

As of June 21, personnel have been evacuated from a total of 40 production platforms, 5.43-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from one non-dynamically positioned (DP) rig, equivalent to 6.67-percent of the 15 rigs of this type currently operating in the Gulf.

As part of the evacuation process, personnel activate the applicable shut-in procedure, which can frequently be accomplished from a remote location. This involves closing the subsurface safety

valves located below the surface of the ocean floor to prevent the release of oil or gas. During previous hurricane seasons, the shut-in valves functioned 100-percent of the time, efficiently shutting-in production from wells on the Outer Continental Shelf and protecting the marine and coastal environments. Shutting-in oil and gas production is a standard procedure conducted by industry for safety and environmental reasons. From operator reports, it is estimated that approximately 17.24-percent of the current oil production in the Gulf of Mexico has been shut-in. It is also estimated that approximately 0.32-percent of the natural gas production in the Gulf of Mexico has been shut-in.

After the storm passes, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back into service immediately. Facilities sustaining damage may take longer to bring back into service. BSEE will continue to update the evacuation and shut-in statistics each day, as appropriate.

For additional information on DOI response activities, please refer to DOI SPOT Report 0007-2017 (Update #1) that was sent on June 21, 2017 at 10:02 p.m. EDT.

### **Other Federal and State Agency Reporting**

#### **Federal Emergency Management Agency (FEMA) Update - Tropical Storm Cindy**

*Source: Federal Emergency Management Agency - June 22, 2017*

The FEMA Region VI Regional Response Coordination Center (RRCC) is activated to Level III (day shift) for Tropical Storm Cindy. The FEMA National Watch Center and the FEMA Region IV Regional Watch Center remain at a Watch/Steady State. Incident Management Assistance Team (IMAT) personnel are deployed to the Mississippi, Arkansas, and Louisiana Emergency Operations Centers (EOCs), and an Incident Support Base (ISB) has been established at Camp Beauregard, Louisiana. Liaison Officers have been deployed to the Louisiana and Texas EOCs. The Louisiana, Texas, and Alabama EOCs are at Partial Activation, and the Governors of Louisiana and Alabama have declared States of Emergency.

### **U.S. Bureau of Reclamation Dam Response Activity**

#### **Response Level 2 - Anchor Dam, Wyoming**

*Source: Bureau of Reclamation - June 21, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. Runoff from snow-melt on the unregulated tributaries downstream of the dam, combined with reservoir releases, are resulting in higher than normal flows that may cause some minor flooding. High flows are expected to continue this week due to the warm weather and runoff from a higher than average snowpack.

The dam is currently operating well, and there are no concerns with safety of the dam. On June 21, the reservoir water surface (RWS) elevation was observed to be 6,411.94 feet. The daily

peak flow in Owl Creek, downstream of the dam, was approximately 466 cfs yesterday and was 411 cfs on Tuesday. The flow rate has been fluctuating with the cyclic warming and cooling of the day.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: Bureau of Reclamation - June 21, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of June 21, the RWS elevation was 5,791.1 feet, and the reservoir storage was 111,785 acre-feet (AF). The calculated inflows, as of June 20, were 2,419 cfs, while the releases were 1,826 cfs.

A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: Bureau of Reclamation - June 21, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the RWS elevation rising more than 0.5 feet in a 6-hour period from the afternoon of June 5 through June 6. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody. As of June 21, the RWS elevation was 5,383.5 feet, calculated inflows as of June 20 were 10,359 cfs, and releases were 2,745 cfs. The reservoir storage was 556,481 AF, leaving approximately 90,084 AF of space in the reservoir.

A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 22, 2017*

### **Arizona**

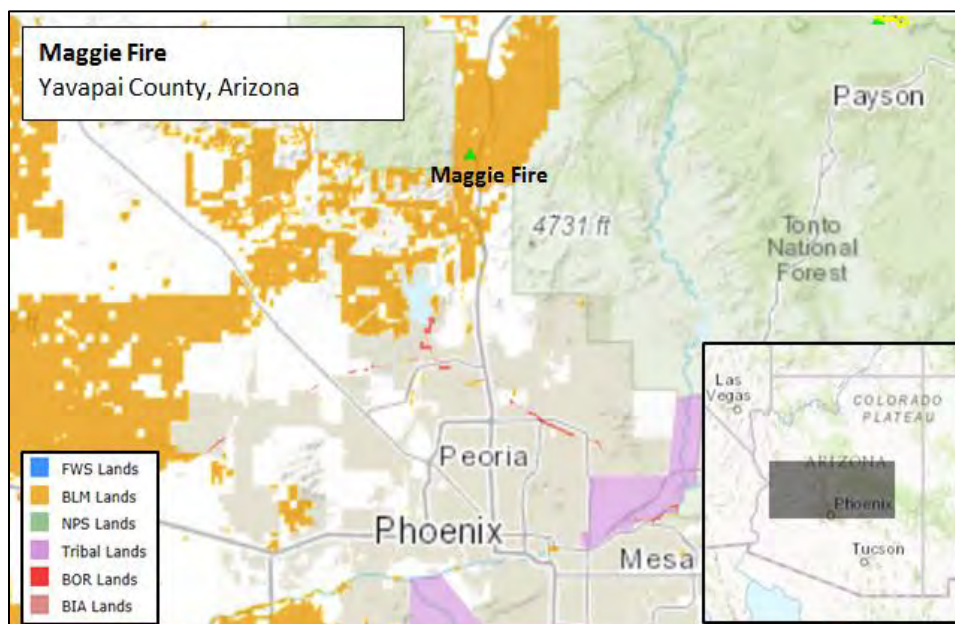
#### **Maggie Fire (Final)**

- Start Date: June 18
- Location: Yavapai County, AZ (Bureau of Land Management)
- Burned Acres: 1,400 (no change)



- Containment: 90-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 11 (-5) / 4 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: June 23

Comments: Fire activity was described as minimal and smoldering during this observation period. Full containment is expected to occur within the next day.



IGEMS Image

## Nevada

### **Poker Brown Fire (Final)**

- Start Date: June 19
- Location: Pershing County, NV (BLM)
- Burned Acres: 15,537 (+5,537)
- Containment: 100-percent (+80)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 11 (-31) / 8 (-12)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)

- Containment Date: June 21

Comments: This fire is 100% contained and this is a final report. There were no damages or injuries reported in this fire.

### **Trinity Fire**

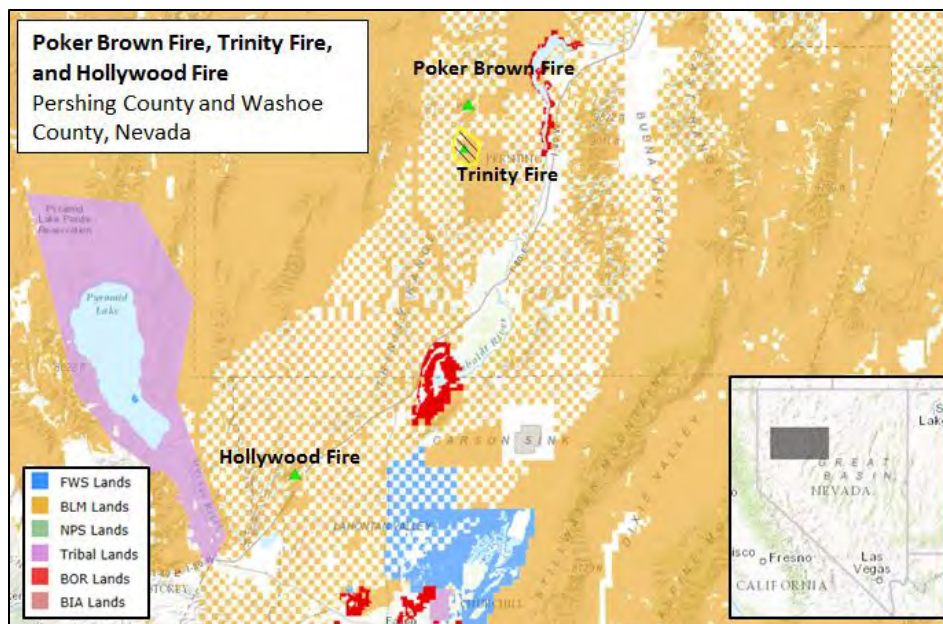
- Start Date: June 20
- Location: Pershing County, NV (BLM)
- Burned Acres: 8,895 (+895)
- Containment: 70-percent (+65)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 99 (+89) / 33 (+31)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 23

Comments: Fire activity was described as minimal during this observation period. Steep terrain and travel distances provide significant safety concerns, and possible thunderstorms and winds in the region could fuel significant fire growth. There is no threat to life, property, and communities at this time.

### **Hollywood Fire (Final)**

- Start Date: June 19
- Location: Washoe County, NV (BLM)
- Burned Acres: 5,298 (+998)
- Containment: 100-percent (+50)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 4 (-131) / 4 (-27)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 22

Comments: This fire is 100% contained and this is a final report. There were no damages or injuries reported in this fire.

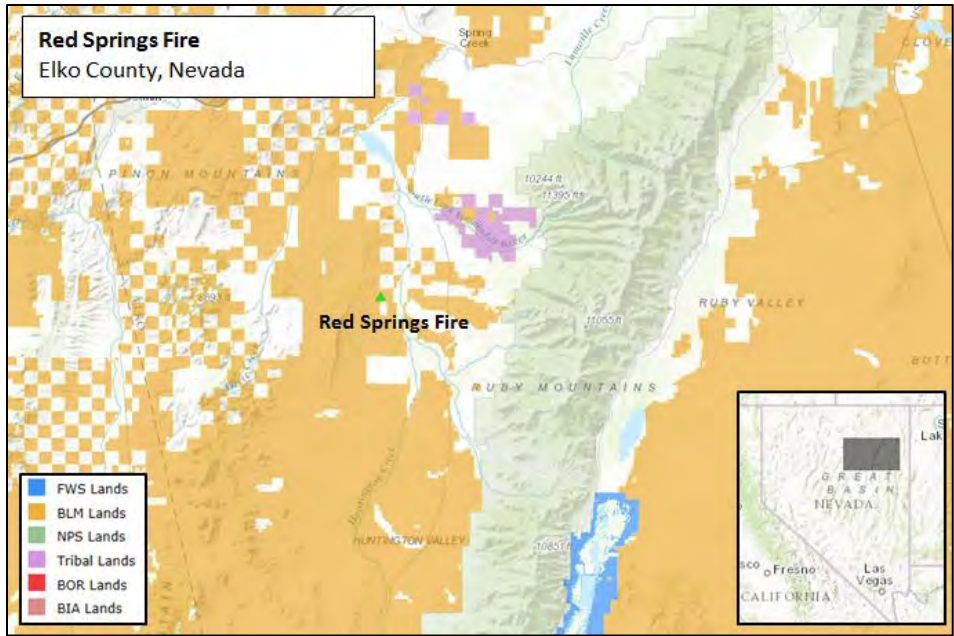


IGEMS Image

### Red Springs Fire (Initial)

- Start Date: June 20
- Location: Elko County, NV (BLM)
- Burned Acres: 4,680
- Containment: 55-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 232 / 39
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 23

Comments: Fire activity was described as minimal during the reporting period, and minimal perimeter growth is expected over the next couple of days. The fire is threatening sage-grouse habitat.



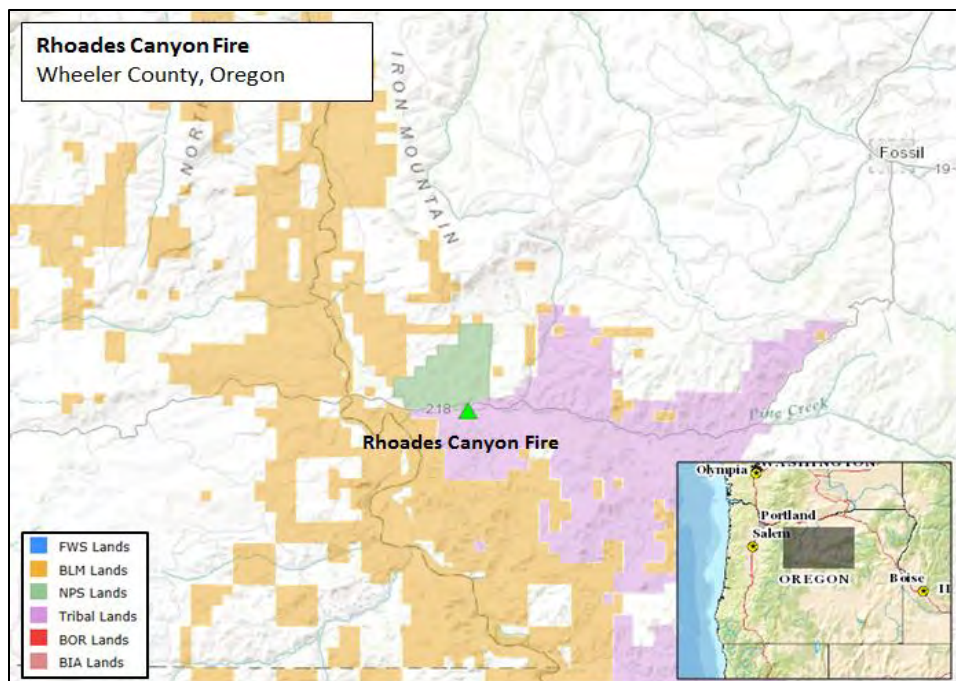
IGEMS Image\

## Oregon

### **Rhoades Canyon Fire**

- Start Date: June 20
- Location: Wheeler County, OR (BLM)
- Burned Acres: 10,000 (+8,500)
- Containment: 0-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 98 (+38) / 22 (+5)
- Structures Threatened-Single-Mixed Residential/Commercial: 3 (+1) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 23

Comments: Fire behavior was described as active with wind driven and uphill runs during this reporting period. Weather conditions over the next 12 hours include wind shifting that could endanger firefighters and structures.



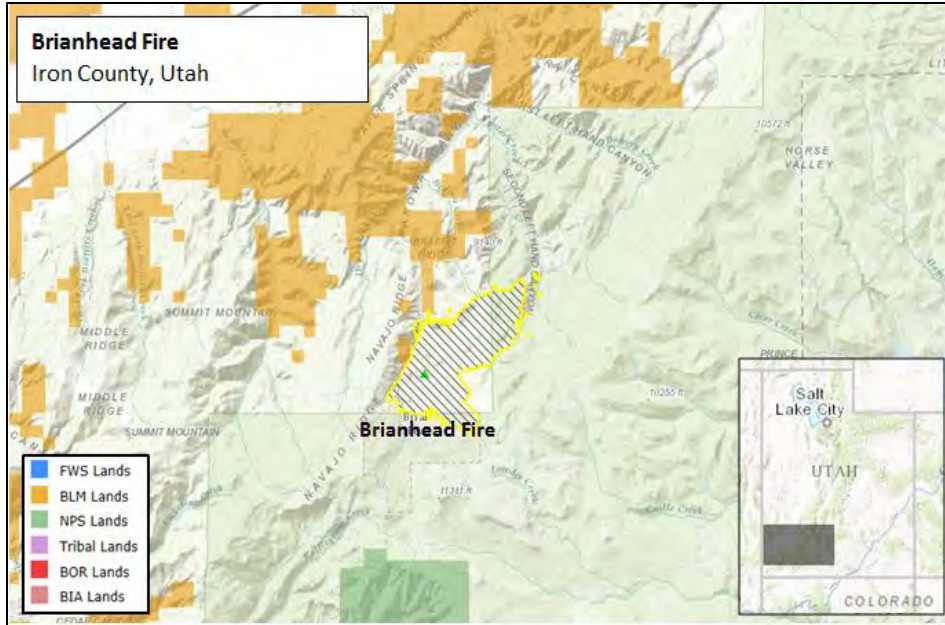
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## Utah

### **Brianhead Fire**

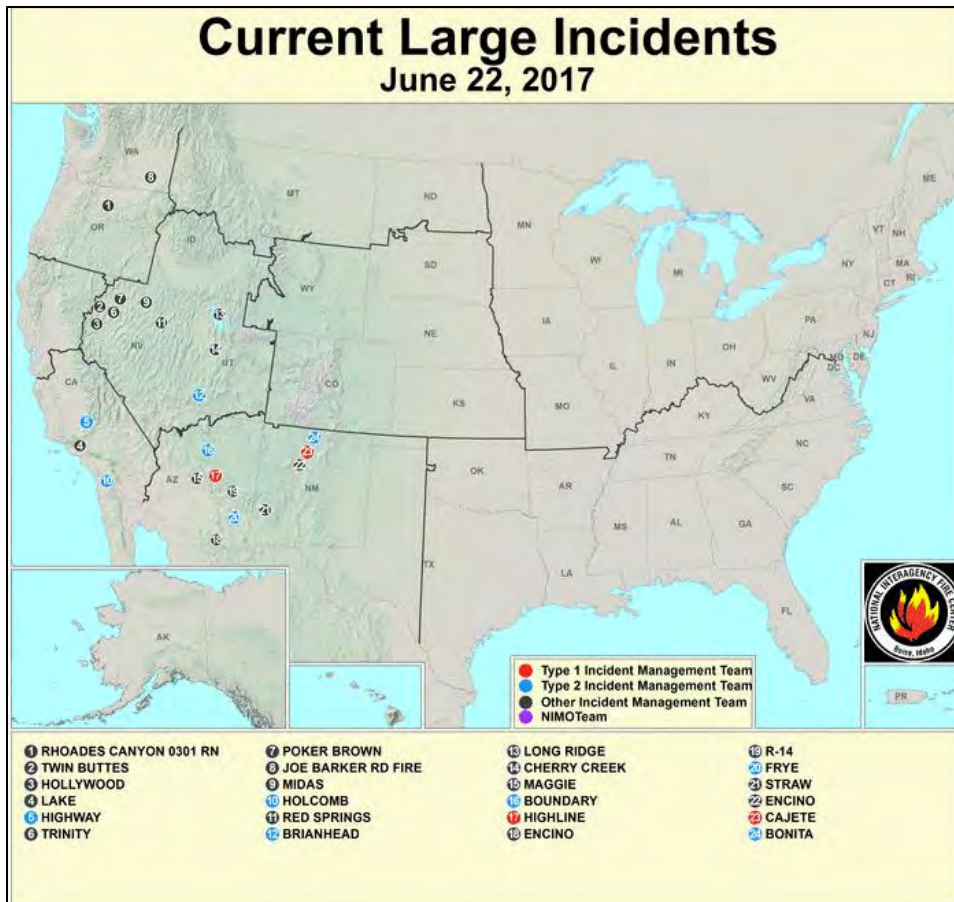
- Start Date: June 17
- Location: Iron County, UT (State Fire)
- Burned Acres: 5,000 (+3,200)
- Containment: 15-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 486 (+24) / 100 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 497 (+153) / 38 (+3)
- Evacuations / Sheltered in place: 755 (+5) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (+1) / 0 (no change)
- Containment Date: July 5

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire activity was described as extreme during this reporting period, and there is a moderate threat to the town of Brian Head, which has been evacuated. There is an immediate threat to Thunder Ridge Boy Scout Camp, the Yankee Meadows Recreation Area, and some residences in the Canyon and Dry Lake areas. Aerial support has been assigned to assist with fire suppression efforts.



IGEMS Image

## Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 22, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (107 new fires)
New large fires:	2
Large fires contained:	4
Uncontained large fires: **	15
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	6

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Possible light steaming was observed in satellite images of the Bogoslof Volcano, but otherwise, no unusual activity was detected in satellite, seismic, or infrasound data during the this reporting period. The Bogoslof Volcano remains at a heightened state of unrest, and additional explosions producing high-altitude volcanic clouds could occur with little precursory activity. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. The AVO has no ground-based volcano monitoring equipment on the Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, and elevated surface temperatures were observed in satellite images on Wednesday morning. No activity was observed in seismic or infrasound data during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may

lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 21, 2017*

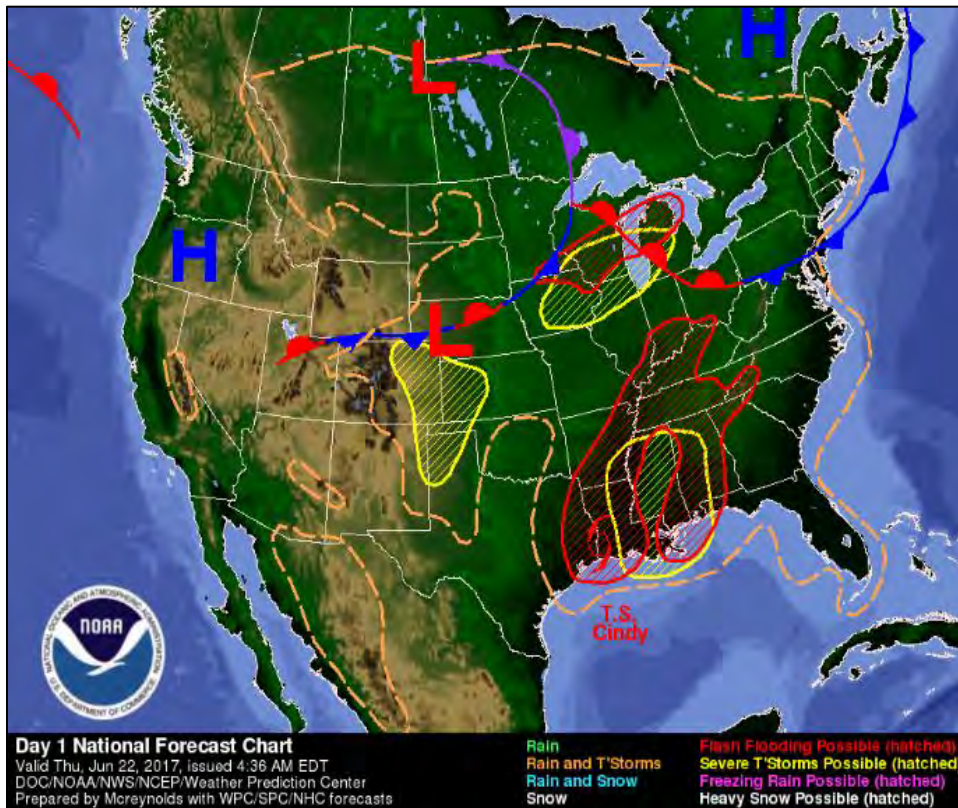
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on its East Rift Zone, but no significant changes were observed during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities at this time. The lava lake surface was approximately 72 feet below the floor of Halema‘uma‘u Crater on Wednesday morning, and low rates of ground deformation and seismicity continue across the volcano. The HVO recorded a magnitude 4.5 earthquake yesterday, approximately 16 miles to the southeast of Hawaiian Ocean View, Hawaii. No tsunami was generated as a result of this earthquake, and no damages were reported.

### **Significant National Weather**

*Source: National Weather Service - June 22 2017*





## **Today**

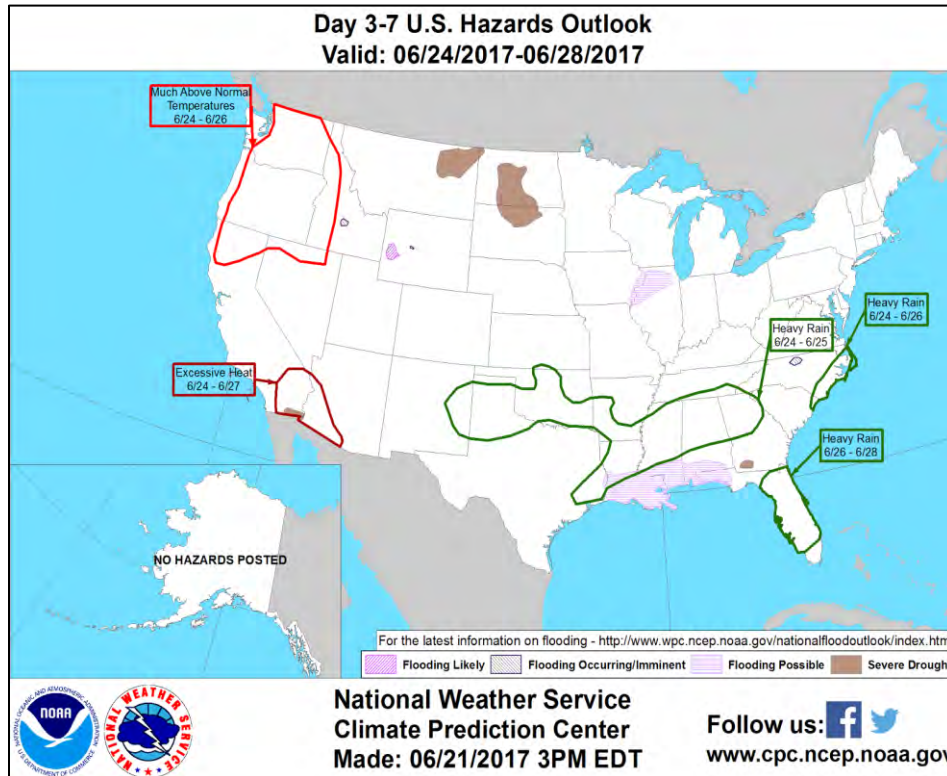
Tropical Storm Cindy made landfall near the Texas-Louisiana border and continues to bring very heavy and life-threatening Flash Flooding to portions of the Gulf Coast. Cindy is expected to produce total rain accumulations of 6 to 9 inches with isolated maximum amounts of 15 inches over southeastern Louisiana, southern Mississippi, southern Alabama, and western portions of the Florida Panhandle through tonight. Rainfall amounts of 3 to 5 inches with isolated maximum amounts of 7 inches can be expected farther west across western Louisiana and eastern Texas through tonight. Cindy will bring the threat of a few tornadoes tonight from the far western Florida Panhandle across southwestern Alabama, southern Mississippi, and southern Louisiana. TS Cindy is expected to diminish to a Tropical Depression later today and will be a remnant low tonight.

A storm system over the central U.S. will bring the chance of rain and thunderstorms to much of the eastern two-thirds of the Nation. These thunderstorms are expected to be severe this afternoon and tonight across portions of the southern Great Lakes through Iowa, Nebraska, northern and western Kansas, and into portions of the central and southern High Plains. High pressure centered over the Intermountain West will allow dangerous heat to persist across the western U.S. Excessive heat continues across the Southwest and interior sections of California where high temperatures will again top out as high as 120 degrees in some locations. Excessive Heat Warnings and Heat Advisories are in place throughout these regions today.

## **Tomorrow**

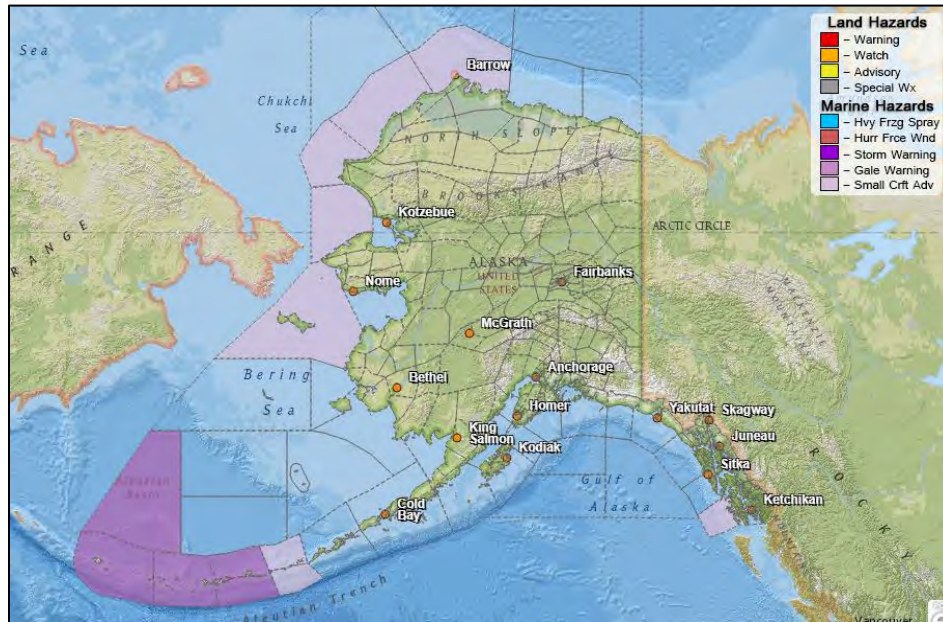
The remnants of Tropical Storm Cindy will slowly move northeast spreading the threat of Flash Flooding and Severe Weather to portions of the eastern U.S. Rainfall is expected to spread northeastward across Arkansas and into portions of the Tennessee and Ohio valleys, with total rain accumulations of 3 to 5 inches, with locally higher amounts possible. This system will begin to interact with a cold front moving out of the central U.S., spreading the chance of rain and thunderstorms across the entire East Coast. A chance of rain and thunderstorms will remain in place for the Gulf Coast and southern Plains. High pressure remains in place over the West and allows dangerous heat to continue. Excessive Heat Warnings and Heat Advisories remain in place throughout the Desert Southwest and interior sections of California. Temperatures will approach 120 degrees in some locations yet again. A low pressure system north of the border will bring the chance of rain to western and northern sections of the Great Lakes.

## Weather Hazard Assessment



- Jun 22: Flooding is occurring, imminent, likely, or possible across portions of the northern and central Rockies, north-central North Carolina, the lower Mississippi Valley, and the Florida Panhandle.
- Jun 22: Severe drought across the northern Plains, southwestern Georgia, and along the southern California border with Arizona.
- Jun 24-25: Heavy rain for parts of the southern Plains, the lower Mississippi and Tennessee valleys, the Southeast, and the southern Appalachians.
- Jun 24-26: Heavy rain for eastern sections of North Carolina and northeastern South Carolina.
- Jun 24-26: Much above normal temperatures for parts of the Pacific Northwest, the northern Intermountain West, the central Great Basin, and northern California.
- Jun 24-27: Excessive heat across portions of the Southwest.
- Jun 26-28: Heavy rain for parts of Florida.

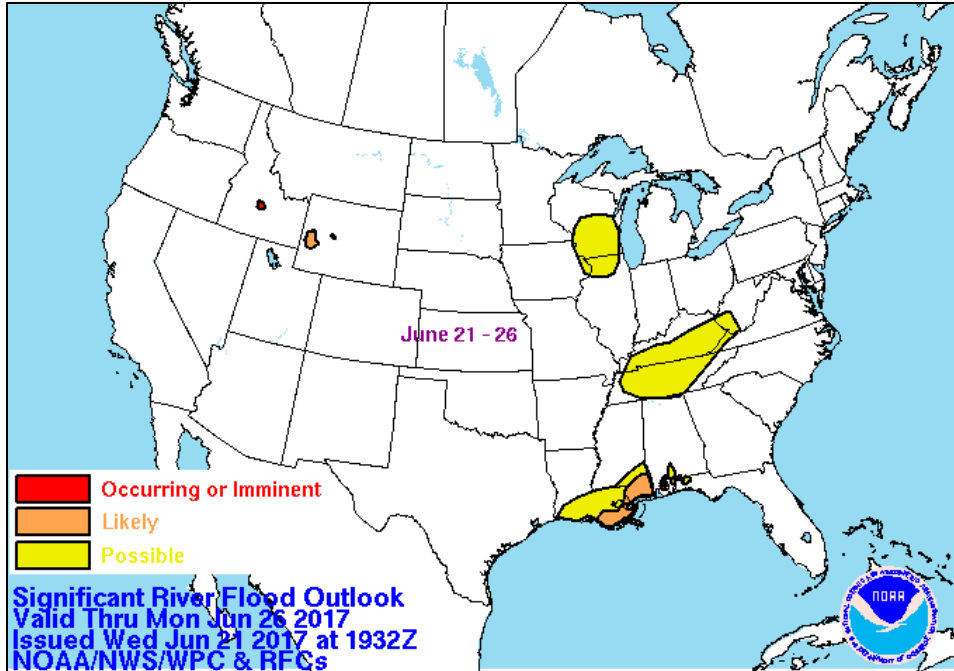
## Alaska Weather



There is a Gale Warning in effect in the western Aleutian Islands. There is a Small Craft Advisory in effect from Nikolski to Sequam, from Dall Point to Point Franklin, and from Dixon Entrance to Cape Decision. There is a Brisk Wind Advisory in effect from Point Franklin to Cape Halkett.

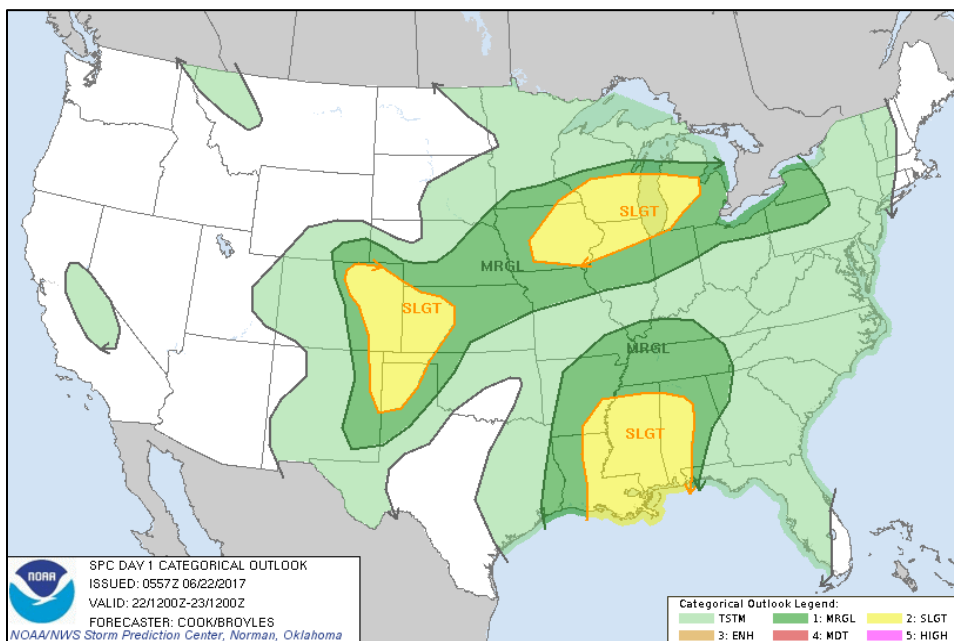
## Significant River Flooding

Significant River Flooding is occurring or likely today in central and western Wyoming, central Idaho, southeastern Louisiana, the Florida Panhandle, and southern Mississippi. Significant River Flooding is possible in southern Louisiana, southern Mississippi, the Florida Panhandle, southern Alabama, northern Illinois, southern Wisconsin, eastern Iowa, Tennessee, Kentucky, southern West Virginia, and southwestern Virginia.



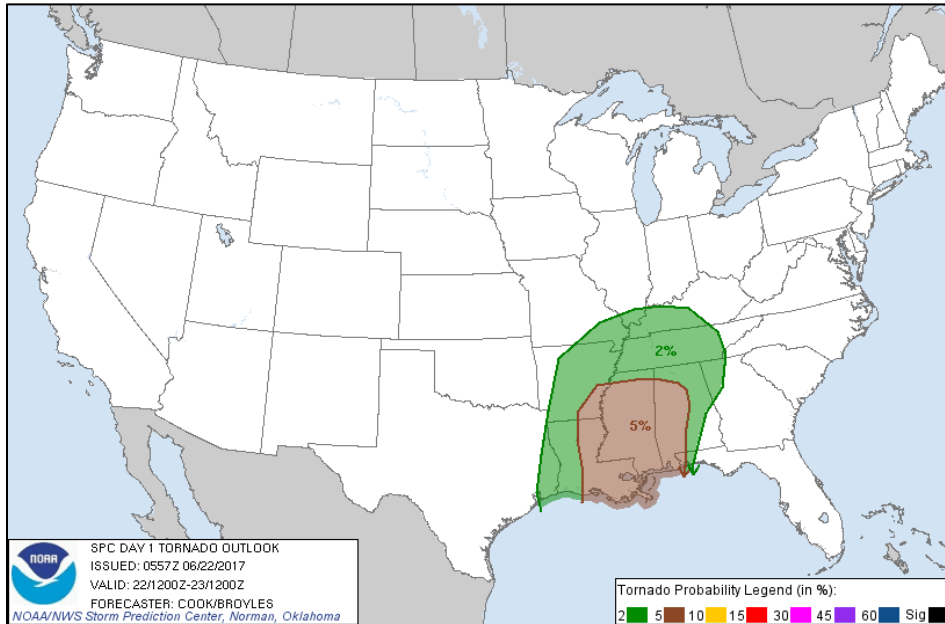
## Severe Weather

There is a Slight Risk of severe thunderstorm activity today across eastern Colorado, western Kansas, portions of the Oklahoma and Texas panhandles, northeastern New Mexico, and from Iowa to lower Michigan. A Slight Risk also exists in the lower Mississippi Valley and the Deep South. There is a Marginal Risk of severe thunderstorms from the central and southern High Plains to western New York and from the lower Mississippi Valley to Kentucky.



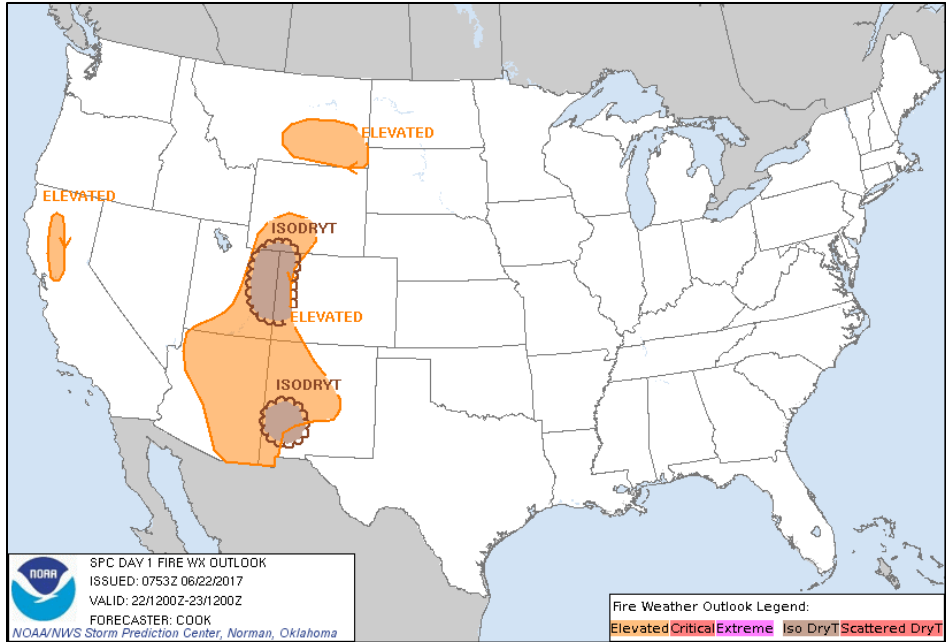
## Tornado Weather

There is a 5-percent chance of tornado activity today in the western portion of the Florida Panhandle, western Alabama, Mississippi, eastern Louisiana, and southeastern Arkansas. There is a 2-percent chance of tornado activity today in eastern Texas, western Louisiana, Arkansas, southeastern Missouri, southern Illinois, western Kentucky, Tennessee, northern Mississippi, northwestern Georgia, and Alabama.



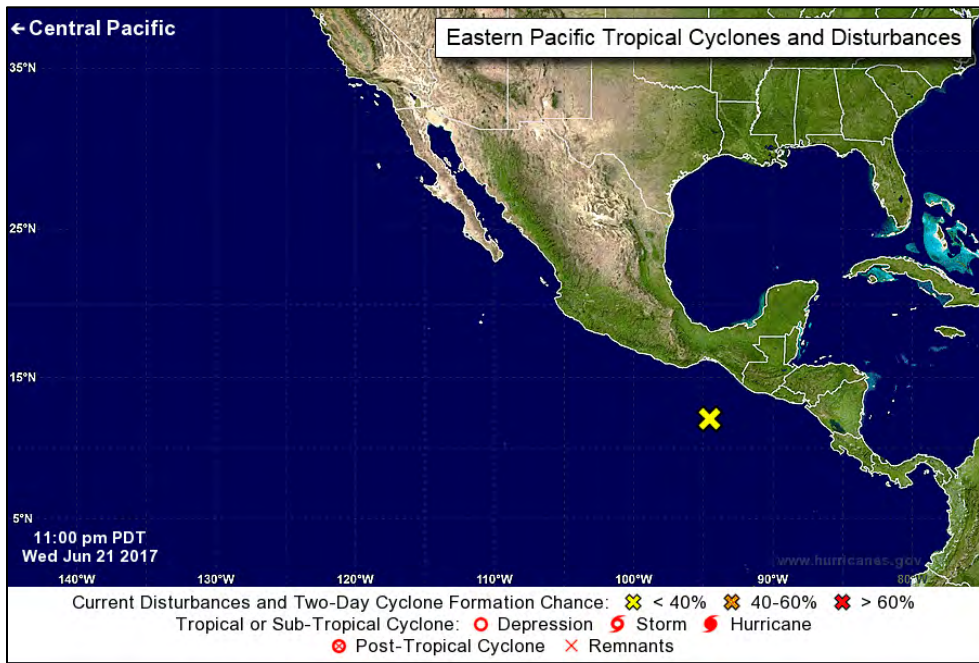
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S; however, there is Elevated Fire Weather in New Mexico, Arizona, Utah, western Colorado, southern Wyoming, southeastern Montana, and northern California. There is Isolated Dry Thunderstorm areas in southwestern New Mexico, western Colorado, eastern Utah, and southwestern Wyoming.



***Tropical Weather Update***

Source: *National Weather Service/National Hurricane Center - June 22 2017*



A broad area of low pressure is located a few hundred miles to the south of the Gulf of Tehuantepec and is producing limited showers and thunderstorms. Some development is possible by this weekend as the area of low pressure moves westward to west-northwestward parallel to the coast of Mexico. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

**Distribution:**

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, June 23, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Tropical Depression Cindy - Lower Mississippi Valley

*Source: National Weather Service and DHS National Operations Center - June 23, 2017*

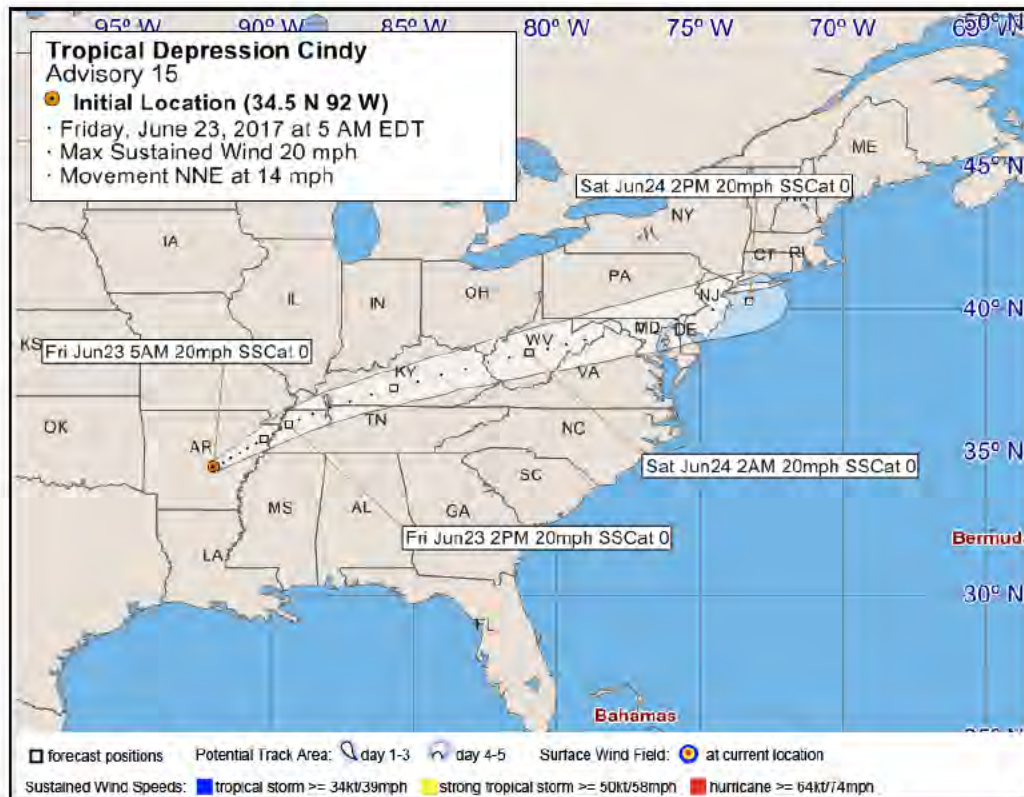
### **General Situation**

The National Hurricane Center issued its final advisory yesterday for Tropical Depression Cindy, but the Weather Prediction Center will continue to provide updates as long as the system remains a flood threat. As of 5:00 a.m. EDT this morning, the depression was located about 25 miles to the southeast of Little Rock, Arkansas and moving to the north-northeast at 14 miles per hour.

Flash Flood Watches are in effect for portions of the Southeast, the lower and middle Mississippi Valley, and the Ohio Valley. Flash Flood Warnings are in effect for portions of southern Alabama. Cindy is expected to produce 2 to 4 inches of rain, with locally higher amounts, from northern Louisiana into western Tennessee, Kentucky, and the central Appalachians. These rains will continue to increase the potential for life-threatening flash flooding in these areas, especially across Louisiana and southeastern Arkansas.

As of this morning, there has been one fatality and 8 injuries reported as a result of this storm. There have been no reports of widespread damage or power outages. In Mississippi, there are two shelters open with 58 occupants, and there is one shelter open in Alabama with seven occupants.





HURREVAC Image

## DOI Bureau and Office Reports

### **Bureau of Safety and Environmental Enforcement (BSEE) Tropical Storm Cindy Update**

*Source: Bureau of Safety and Environmental Enforcement - June 22, 2017*

As of June 22, personnel have been evacuated from a total of 39 production platforms, 5.29-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from one non-dynamically positioned (DP) rig, equivalent to 6.67-percent of the 15 rigs of this type currently operating in the Gulf. From operator reports, it is estimated that approximately 16.47-percent of the current oil production in the Gulf of Mexico has been shut-in, and approximately 0.01-percent of the natural gas production in the Gulf of Mexico has been shut-in.

After the storm passes, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back into service immediately. Facilities sustaining damage may take longer to bring back into service. BSEE will continue to update the evacuation and shut-in statistics each day, as appropriate.

## **National Park Service (NPS) Tropical Storm Cindy Update**

*Source: National Park Service – June 22, 2017*

The NPS units around the Gulf of Mexico continue responding to impacts from Tropical Storm Cindy. The following park unit updates have been provided:

- *Gulf Islands National Seashore (Florida/Mississippi):* The Gulf Islands National Seashore (GUIS) at Fort Pickens was expected to be closed through yesterday. Significant flooding was observed on the Fort Pickens Road, and the flooding is expected to continue. Sandbags have been placed as needed. State Route 399 and the Opal and Okaloosa areas are expected to be closed until today. The Mississippi barrier islands (Horn Island, East Ship Island, West Ship Island, Cat Island, East Petit Bois Island, and West Petit Bois Island) and the Davis Bayou campground are also expected to be closed through today.
- *Jean Lafitte National Historic Park and Preserve (Louisiana):* The Barataria Preserve has been closed due to water above the walkways and trees down in the area. Closure signs were posted at all parking lots and trailheads. Maintenance and interpretive staff had a delayed start yesterday to allow for a safety assessment of the area. The Chalmette Battlefield lost power, which left a sewage plant and lifting station not functioning. Efforts continued yesterday to restore power. Chalmette staff were given an early release on Wednesday due to the outage. Weather conditions are being monitored, and the park is maintaining regular contact with NPS regional staff, the National Oceanic and Atmospheric Administration (NOAA), and New Orleans Federal Executive partners for the duration of the event.
- *Big Thicket National Preserve (Texas):* The Big Thicket National Preserve has closed the Lake View Day Use Area due to the flooding from Cindy until further notice. Flooding has eroded the riverbank and compromised the safety of the parking lot.

## **DOI Office of Environmental Policy and Compliance (OEPC) Tropical Storm Cindy Update (Final)**

*Source: Office of Environmental Policy and Compliance – June 22, 2017*

The DOI OEPC reports that the National Response Coordination Center (NRCC) has not been activated for this event. Emergency Support Function (ESF)-11 (Agriculture and Natural Resources) in Region IV continues to monitor the system and is communicating with state, federal, and other stakeholders. There have been no requests for ESF-11 assistance. Federal Emergency Management Agency (FEMA) Region IV reports that all impacts from Cindy are anticipated to remain well within local, state, and/or tribal response capabilities.

## **United States Geological Survey (USGS) Tropical Storm Cindy Response Updates**

*Source: United States Geological Survey – June 22, 2017*

USGS did not activate the Coastal Storm Response Team for Tropical Storm Cindy; however, USGS field crews from Florida, Alabama, and Mississippi have been making discharge measurements at gage locations in the coastal regions of Alabama, Mississippi, and the Florida Panhandle. Other crews are on standby to monitor the inland track of Cindy, and field crews will continue making high-flow measurements for the remainder of the week. No peaks of record have been recorded at USGS streamgages thus far in association with the storm. Additionally, the USGS Geospatial Information Response Team (GIRT) published a web map application for Cindy for situational awareness and resource management, and it can be found at the following web address:

<https://doitd.maps.arcgis.com/apps/webappviewer/index.html?id=3c114ad8631f451ea13af5260818661b&%20Response=&shareWithWebMap=true>

## **U.S. Fish and Wildlife Service (USFWS) Region 4 Tropical Storm Cindy Response Update (Final)**

*Source: U.S. Fish and Wildlife Service – June 22, 2017*

Tropical Storm Cindy made landfall in Louisiana near the Cameron Prairie National Wildlife Refuge (NWR) and the Sabine NWR. USFWS locations throughout coastal Louisiana, Mississippi, Alabama, and western Florida experienced heavy rains, moderate winds, and flooding before the storm was downgraded to a tropical depression. Twenty-two USFWS stations were within the storm's path during this reporting period. The following stations reported operational impacts, while remaining non-listed stations implemented minor contingency actions per their All-Hazards Disaster Plan (AHDP):

*Southwest Louisiana Refuge Complex (Cameron Prairie NWR, Lacassine NWR, Sabine NWR, and Shell Keys NWR)*

- *Cameron Prairie NWR:* All staff are accounted for, and no assistance is needed. No structural damages have been observed at the refuge, and utilities are operational, except for some telephone line disruption.
- *Lacassine NWR:* All staff are accounted for, and no assistance is needed. No structural damages have been observed at the refuge, but there has been a loss of electrical power.
- *Sabine NWR:* All staff are accounted for, and no assistance is needed. The refuge is temporarily closed due to flooding, but will reopen once floodwaters recede. Staff implemented telework actions per the station's AHDP.
- *Shell Keys NWR:* There is no staff at this location, but natural habitat impacts will need to be assessed.

*Southeast Louisiana Refuge Complex (Atchafalaya NWR, Bayou Sauvage NWR, Bayou Teche NWR, Big Branch Marsh NWR, Bogue Chitto NWR, Breton NWR, Delta NWR, and Mandalay NWR)*

- All staff are accounted for, and no assistance is needed. All of the refuges within Southeast Louisiana Refuge Complex remained open during the storm and were not required to close to the public. All of the relocated equipment, boats, and vehicles at the Bayou Teche NWR and the Delta NWR are in the process of being returned to normal operations. Flooding has caused temporary road closures in the low-lying areas of several stations.

The Southeast Region's Disaster Operations Office (DOO) will transition from an enhanced level to normal operations at 4:00 p.m. today. USFWS station status reporting to the DOO has been discontinued, except for reporting damages or requesting assistance from Regional Office assets or personnel.

**Bureau of Indian Affairs (BIA) Tropical Storm Cindy Update**

*Source: Bureau of Indian Affairs – June 22, 2017*

The BIA has contacted Tribes and Tribal Assistance Coordination Group (TAC-G) partners regarding Tropical Storm Cindy, but there have been no requests for assistance. Tribes are monitoring the potential for excessive rainfall and aware of the tornado and severe weather threat, as the storm moves inland.

**Other Federal and State Agency Reporting**

**Federal Emergency Management Agency Update - Tropical Storm Cindy**

*Source: Federal Emergency Management Agency - June 23, 2017*

The FEMA Region VI Regional Response Coordination Center (RRCC) remains activated to Level III (day shift) for the storm activity, and an Incident Management Assistance Team is deployed to the Louisiana Emergency Operations Center (EOC). Food and water have been pre-positioned at the Incident Support Base (ISB) at Camp Beauregard, Louisiana. The Louisiana and Alabama EOCs are at Partial Activation, and the Kentucky and Tennessee EOCs are at a Monitoring status. The Texas EOC has returned to Normal Operations.

**Wildland Fire Activity**

*Source: Fire and Aviation Management Website - June 22, 2017*

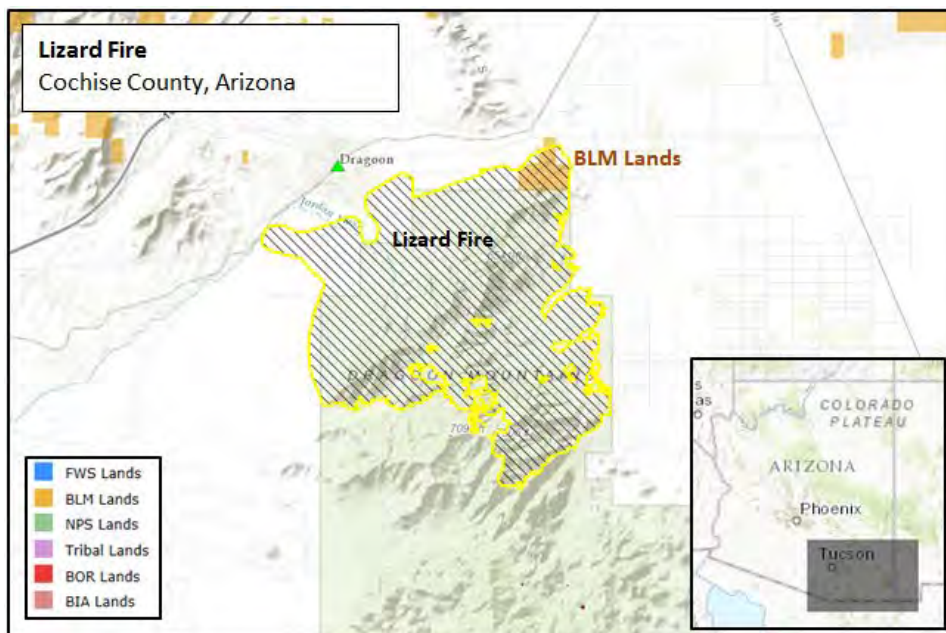
**Arizona Fires**

**Lizard Fire (Final)**

- Start Date: June 7
- Location: Cochise County, AZ (U.S. Forest Service)

- Burned Acres: 15,230 (no change)
- Containment: 80-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 3 (-238) / 0 (-57)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 30

Comments: The Lizard Fire is a U.S. Forest Service (USFS) fire burning mostly on USFS lands; however, the perimeter also includes a Bureau of Land Management (BLM) parcel in the northern portion of the fire. The June 22 Incident Status Summary (ICS-209) was a final report, and the fire has a low potential for movement. Additional reporting is not expected.



IGEMS Image

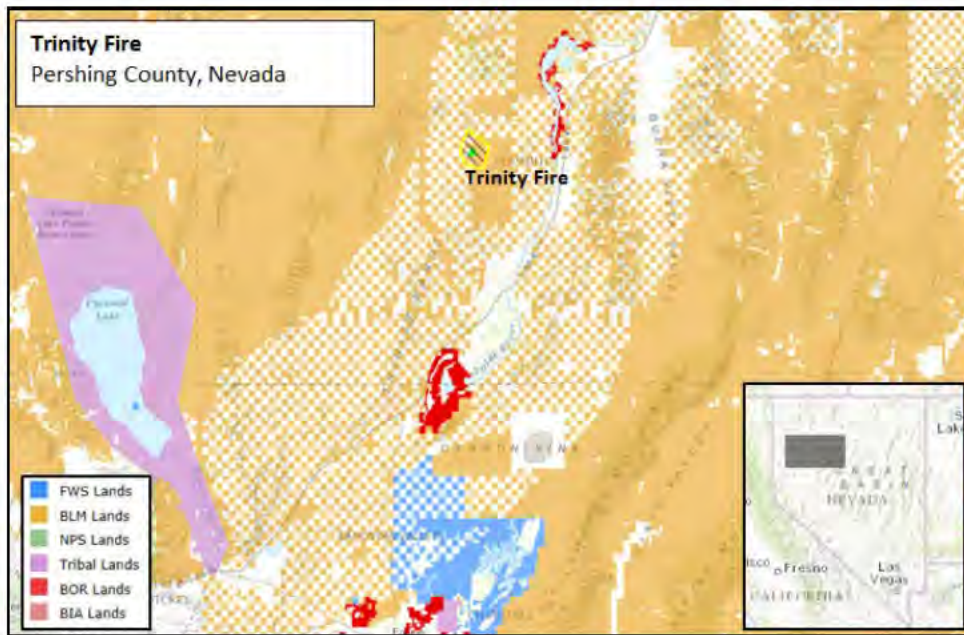
## Nevada Fires

### **Trinity Fire (Final)**

- Start Date: June 20
- Location: Pershing County, NV (BLM)
- Burned Acres: 8,895 (no change)
- Containment: 100-percent (+30)
- Management: Type-4 IMT

- Personnel Assigned / DOI: 36 (-63) / 32 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 22

Comments: Fire activity was described as minimal during this observation period, and there is no threat to life or property at this time. This will be the final report for this fire.

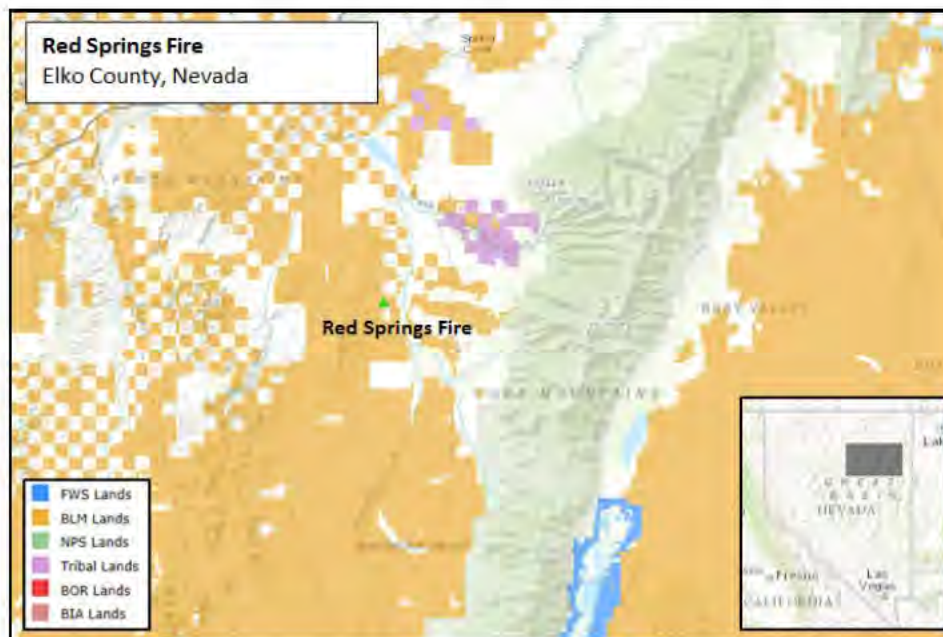


IGEMS Image

### Red Springs Fire

- Start Date: June 20
- Location: Elko County, NV (BLM)
- Burned Acres: 4,598 (-82)
- Containment: 76-percent (+21)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 233 (+1) / 40 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 23

Comments: Fire activity was described as minimal during the reporting period, and minimal perimeter growth is expected over the next couple of days. The fire is threatening sage-grouse habitat. The decrease in fire size is due to more accurate GPS mapping.



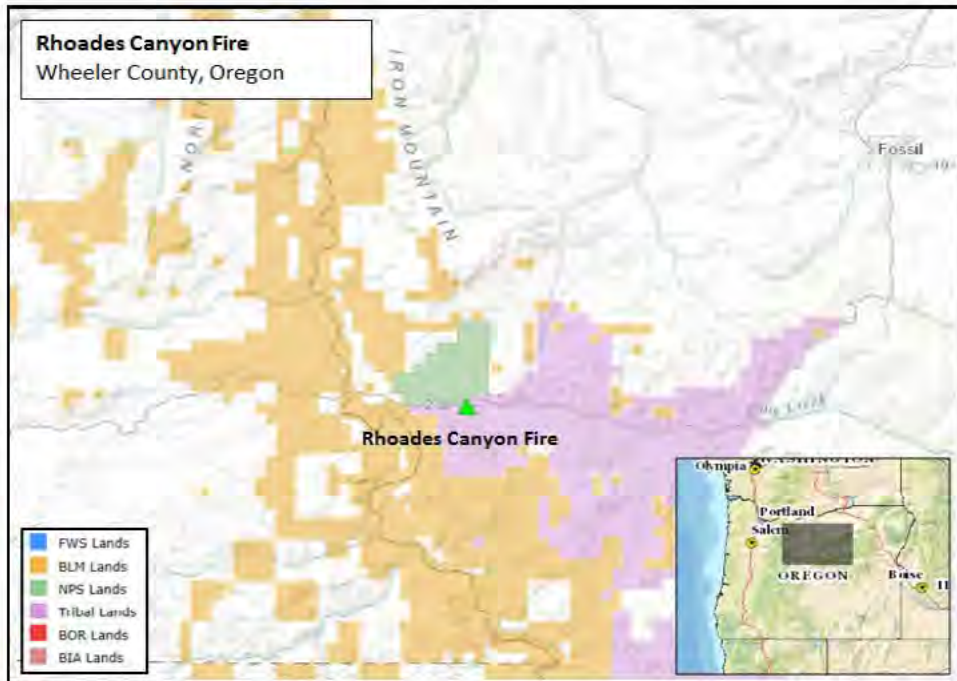
IGEMS Image

## Oregon Fires

### **Rhoades Canyon Fire**

- Start Date: June 20
- Location: Wheeler County, OR (BLM)
- Burned Acres: 14,000 (+4,000)
- Containment: 50-percent (+50)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 99 (+1) / 22 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 3 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 24

Comments: Fire behavior was described as moderate with uphill runs during this reporting period. Weather conditions over the next 12 hours include shifting winds that could endanger firefighters and structures.



IGEMS Image

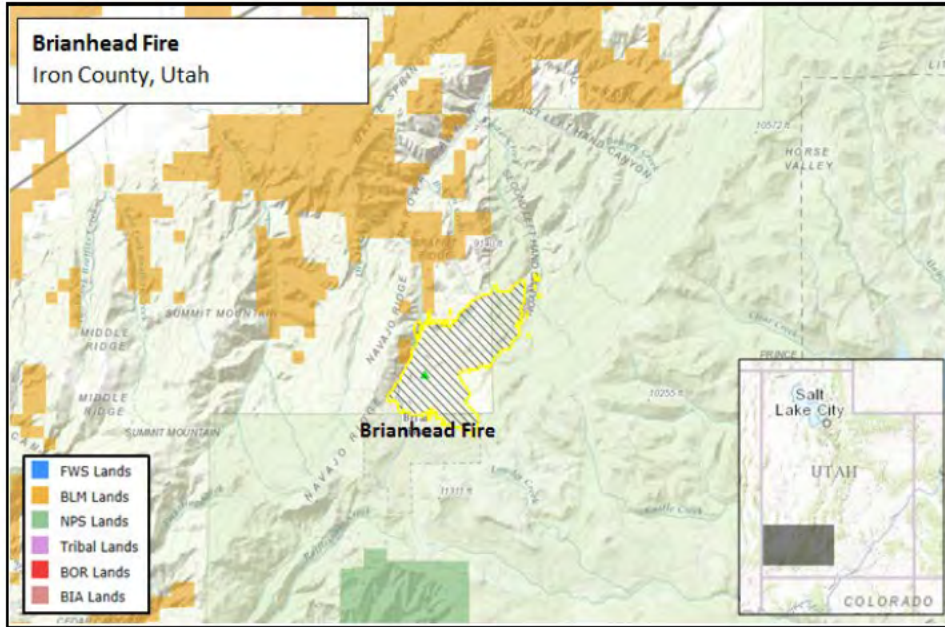
## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, UT (State Fire)
- Burned Acres: 17,294 (+12,294)
- Containment: 5-percent (-10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 809 (+323) / 148 (+48)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,108 (+611) / 41 (+3)
- Evacuations / Sheltered in place: 1,555 (+800) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (no change) / 0 (no change)
- Containment Date: July 15

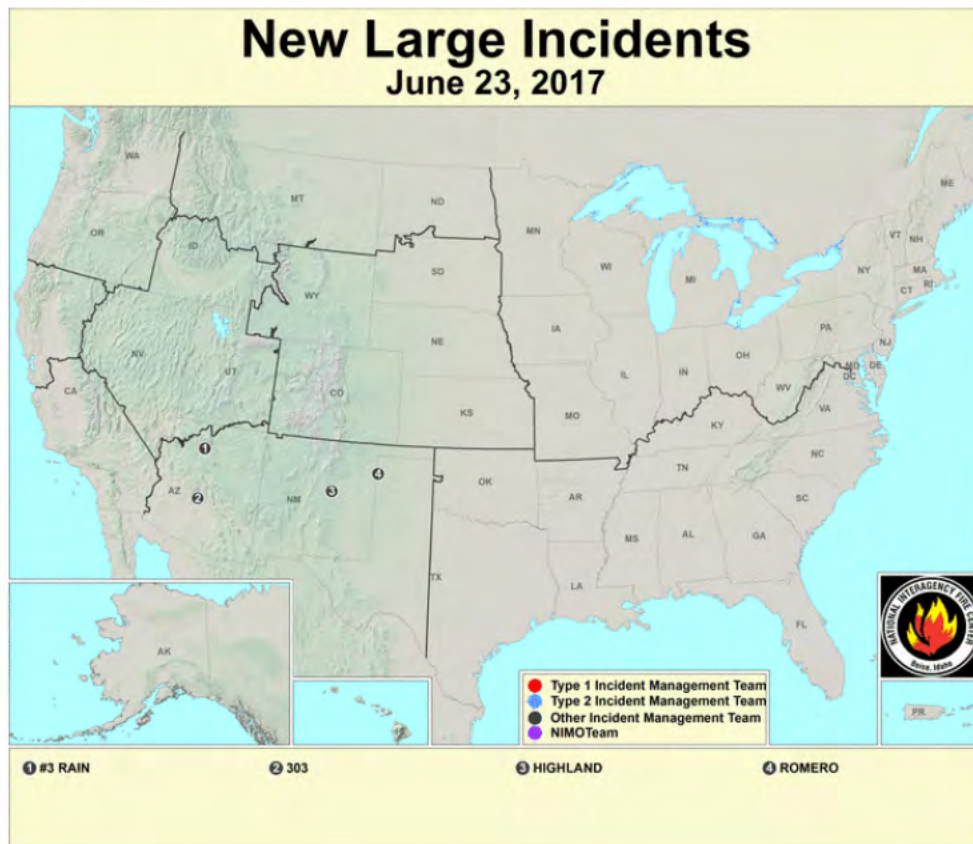
Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire activity was described as extreme during this reporting period, with significant perimeter spread on the fire's entire eastern flank. There is a moderate threat to the town of Brian Head, and there is an immediate threat to the Thunder Ridge Boy Scout Camp, the Yankee Meadows Recreation Area, and the communities in the Dry Lake and Panguitch Lake areas. Mass notifications and evacuations are in progress for the affected areas, and some residences in the fire area have been destroyed. Aerial support has been assigned to assist with fire suppression efforts.





IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 23, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (83 new fires)
New large fires:	4
Large fires contained:	6
Uncontained large fires: **	16
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Possible light steaming was observed in satellite images of the Bogoslof Volcano, but, otherwise, no unusual activity was detected in satellite, seismic, or infrasound data during this reporting period. The Bogoslof Volcano remains at a heightened state of unrest, and additional explosions producing high-altitude volcanic clouds could occur with little precursory activity. Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. The AVO has no ground-based volcano monitoring equipment on the Bogoslof, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, and elevated surface temperatures were observed in satellite images on Thursday morning. Web camera views of the volcano showed some steaming from the summit, but no activity was observed in seismic or infrasound data during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an

explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on its East Rift Zone, but no significant changes were observed during this reporting period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities at this time. The lava lake is dropping with deflationary tilt and was approximately 130 feet below the floor of Halema‘uma‘u Crater on Thursday morning. Low rates of ground deformation and seismicity continue across the volcano.

### **Earthquake Activity**

*Source: United States Geological Survey - June 22, 2017*

The USGS reported that a magnitude 6.8 earthquake occurred on June 22 at 8:31 a.m. EDT, approximately 23.7 miles to the south-southeast of La Gomera, Guatemala at a depth of 29 miles. The USGS issued a Yellow PAGER Alert for economic losses, indicating that some damage is possible. A Green PAGER Alert was issued for estimated fatalities, indicating a low likelihood for injuries. No tsunami was generated.

### **Significant National Weather**

*Source: National Weather Service - June 23, 2017*

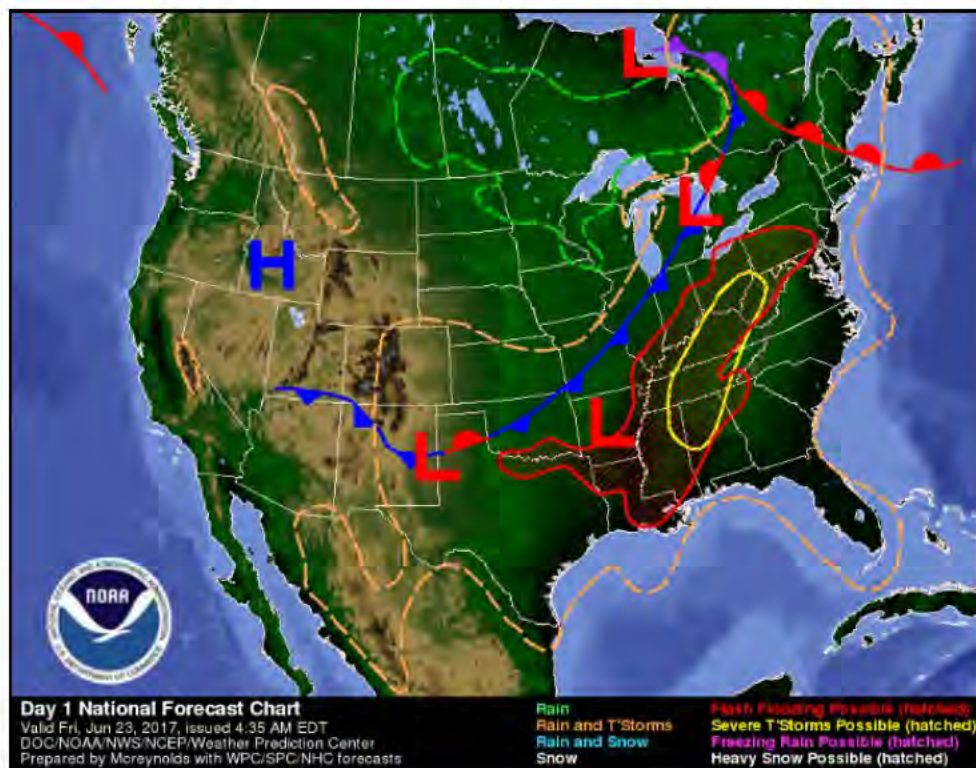
### **Today**

A cold front will stretch from the Great Lakes back through the southern Plains and into the Four Corners. Tropical Depression Cindy is centered across the lower Mississippi Valley and expected to move northeastward over the next couple of days. A large area of rain and thunderstorms will develop from New England south into the Southeast, the deep South, and the central and southern Plains. Rain will be heavy in spots, and flooding or flash flooding will be possible from portions of the lower Mississippi Valley to the mid-Atlantic through tonight. Additionally, thunderstorms associated with a tornado, wind damage, and an isolated large hail threat will be possible this afternoon from parts of the central Gulf Coast States northeastward into the central Appalachians. Scattered light rain showers will develop across portions of the upper Midwest and western Great Lakes region. A few lone pop-up showers and thunderstorms could develop over portions of the northern Rockies and the central Sierras. Elsewhere, the extreme heat that has persisted across the Southwest will slowly wane over the weekend. The Northwest, on the other hand, will see rising temperatures and the onset of potentially dangerous

heat for some areas. Heat advisories and excessive heat warnings have already been issued for portions of the Northwest.

## Tomorrow

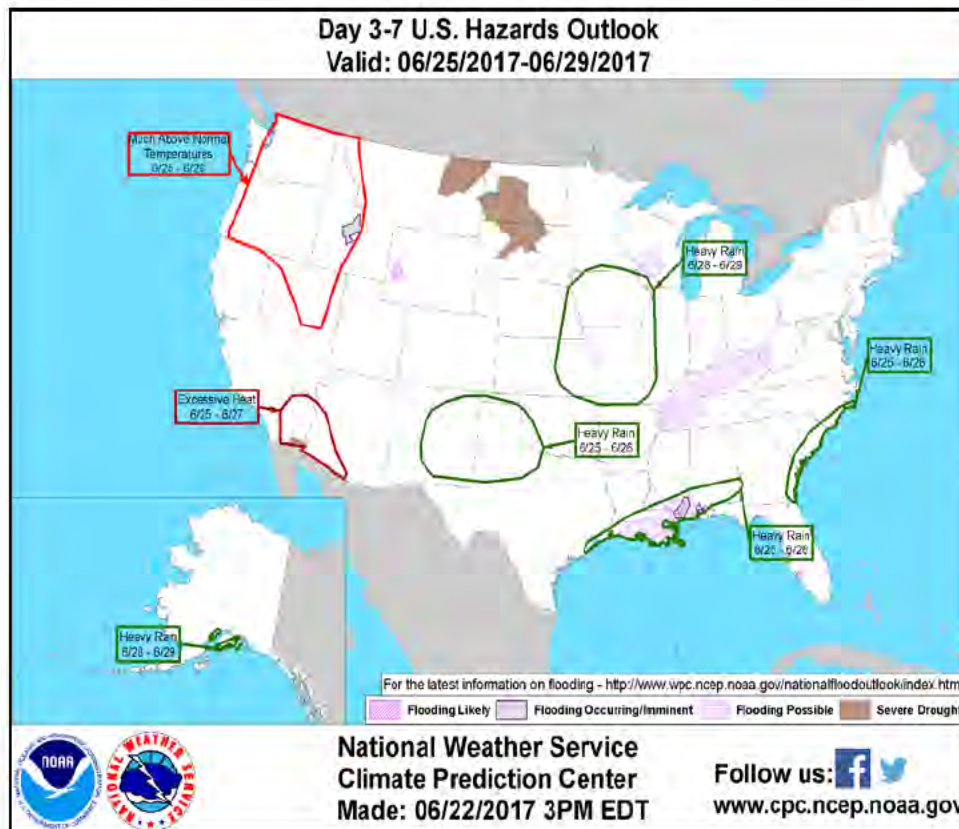
A frontal system will stretch from New England southward through the mid-Atlantic and into the lower Mississippi Valley and central Texas. Moisture associated with what was once Tropical Depression Cindy will extend along the front in the form of rain and thunderstorms from the mid-Atlantic into the lower Mississippi Valley. Heavy rain and flash flooding will be possible in a band from coastal North Carolina to Louisiana and eastern Texas. Rain and thunderstorms will also develop across most of Texas and the southwestern Plains. To the north, scattered showers and thunderstorms are expected from the upper Midwest eastward through the Great Lakes and into New England. Elsewhere, afternoon and evening showers and thunderstorms will be possible for the northern Rockies, the Black Hills region, and the Sierras. High temperatures are forecast to be 15 to 25 degrees above average across portions of the Northwest, with record highs possible in some areas.



## Weather Hazard Assessment

- June 23: Flooding is possible across portions of the central Plains, the Mississippi Valley, the southern and central Appalachians, the northern Plains, the Tennessee Valley, the Southeast, the Great Lakes, and the Ohio Valley.
- June 23: Flooding is occurring or imminent across portions of the Southeast and the northern Great Basin.

- June 23: Flooding is likely across portions of the central Rockies, the Southeast, the lower Mississippi Valley, the central Great Basin, and the northern Rockies.
- June 23: Severe drought across California, Hawaii, the northern Plains, and the Southwest.
- June 25-26: Heavy rain across portions of the southern Rockies, the southern Plains, the central and western Gulf Coast, and coastal parts of the Southeast and southern mid-Atlantic.
- June 25-26: Much above normal temperatures across portions of the Great Basin, the Pacific Northwest, and the northern Rockies.
- June 25-27: Excessive heat across portions of the Desert Southwest.
- June 28-29: Heavy rain across portions of the central Plains and the upper and middle Mississippi Valley.
- June 28-29: Heavy rain across coastal portions of the Kenai Peninsula.
- June 30-July 2: Heavy rain across portions of the central and southern Plains, the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley.

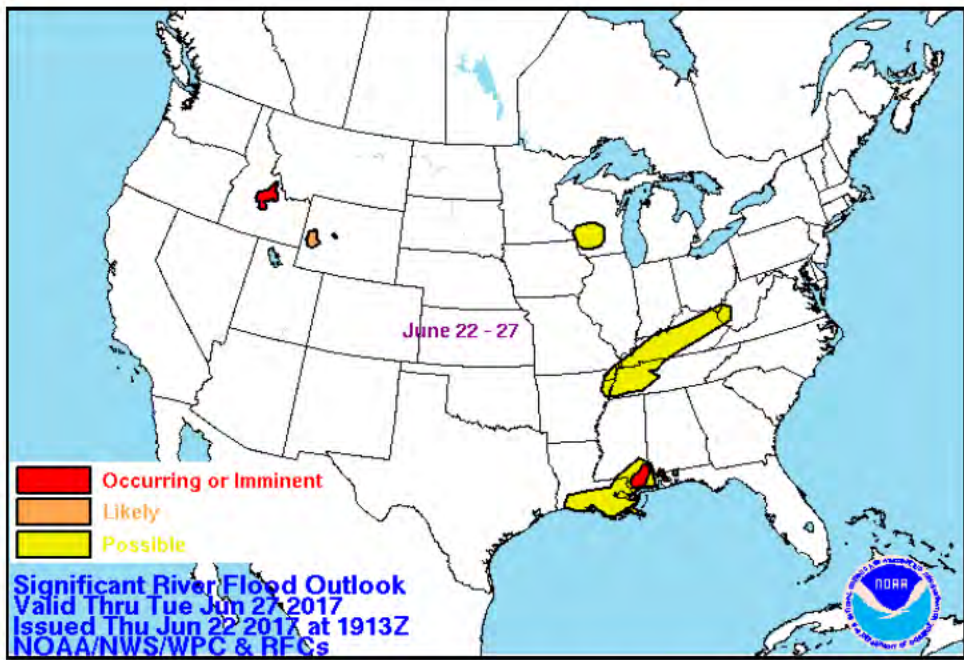


## Alaska Weather

There is a Gale Warning in effect from Kiska to Seguam and from Cape Beaufort to Point Franklin. There is a Small Craft Advisory in effect for St. Matthew Island, St. Lawrence Island, from Kiska to Attu, from Seguam to Cape Sarichef, and from Wales to Cape Beaufort. There is a Brisk Wind Advisory in effect from Point Franklin to Cape Halkett.



### Significant River Flooding



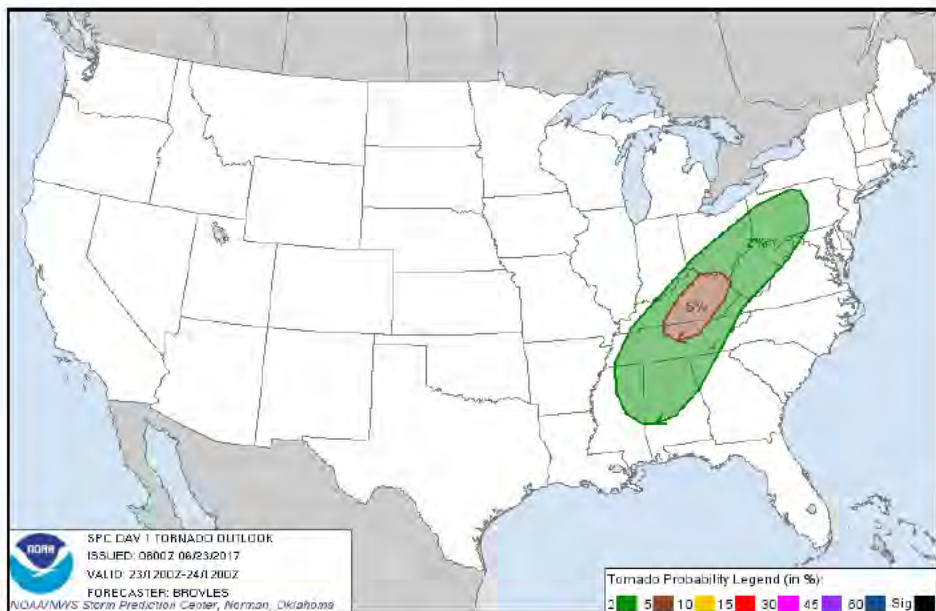
Significant River Flooding is occurring or likely today in central and western Wyoming, central Idaho, the Florida Panhandle, southern Mississippi, and southern Alabama. Significant River Flooding is possible in southern Louisiana, southern Mississippi, the Florida Panhandle, southwestern Alabama, southern Wisconsin, southeastern Missouri, northeastern Arkansas, western Tennessee, Kentucky, southern Ohio, and western West Virginia.

## Severe Weather



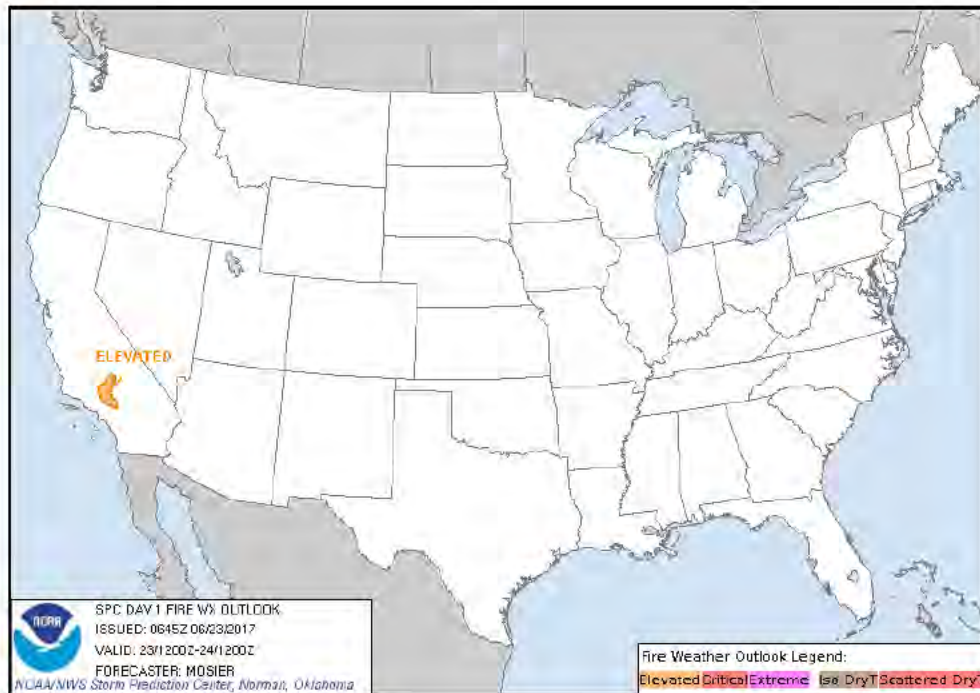
There is a Slight Risk of severe thunderstorm activity today across portions of the central Gulf Coast states, the Tennessee Valley, the Ohio Valley, and the southern and central Appalachians. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area and extending into northwestern Maine. A Marginal Risk also exists across parts of the southern Plains.

## Tornado Weather



There is a 5-percent chance of tornado activity today in central Tennessee, Kentucky, southern Ohio, and southwestern West Virginia. There is a 2-percent chance of tornado activity from central Alabama and Mississippi to north-central Pennsylvania.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S; however, there is Elevated Fire Weather forecast for portions of southern California.

## Tropical Weather Update

Source: *National Weather Service/National Hurricane Center - June 23, 2017*

### Eastern Pacific Ocean

A broad area of low pressure is located a few hundred miles to the south of the Gulf of Tehuantepec and is producing disorganized showers and thunderstorms. Environmental conditions appear conducive for development, and this system could become a tropical depression early next week while it moves slowly west-northwestward parallel to the coast of Mexico. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

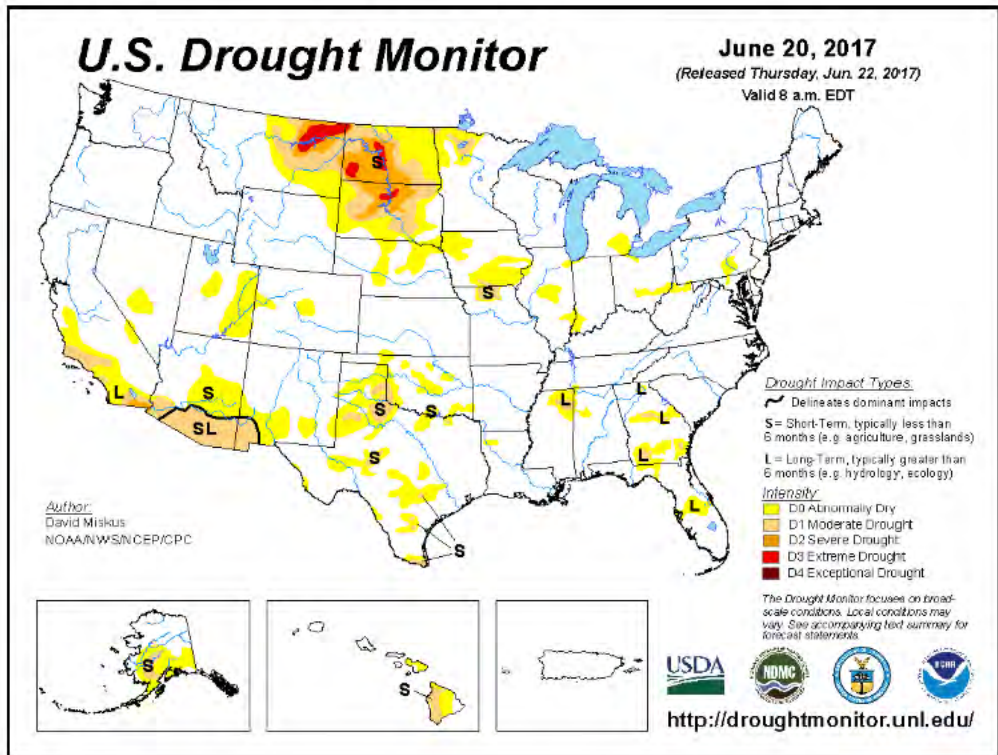




### Other News and Notes

#### U.S. Drought Monitor

Source: National Drought Mitigation Center - June 22, 2017



A weather pattern change brought widespread showers and thunderstorms across the eastern half of the U.S. after abnormal dryness developed in many areas of the Midwest and south-central Plains last week. This change occurred after a wet May had alleviated many areas of drought, which was followed by dry and warm weather from late May into early June, a critical time for crop growth and development. In addition, heavy showers fell along the eastern Gulf Coast, providing additional improvements to Florida and southern Georgia. Unfortunately, little or no rain fell on most of the northern third of the High Plains and southern Plains, drying out conditions in Texas and Oklahoma and worsening the flash drought in eastern Montana and the western Dakotas. In the Southwest, although June is climatologically dry and warm, extreme heat and below-normal precipitation expanded the abnormally dry conditions in Utah, central Arizona, and southern New Mexico. On Hawaii's Big Island, some deterioration occurred as conditions were worse than expected, while scattered showers in southwestern Alaska were not enough to improve low streamflow levels, expanding dry conditions there.

*\*End of Report\**

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, June 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 26, 2017*

The **Rhoades Canyon Fire** (Oregon) reached 100-percent containment on Friday, June 23; therefore, the fire will no longer be summarized in this report.

## Nevada Fires

### **Red Springs Fire (Final)**

- Start Date: June 20
- Location: Elko County, NV (BLM)
- Burned Acres: 4,598 (no change)
- Containment: 99-percent (+23)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 69 (-164) / 11 (-29)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: June 24

Comments: Fire activity was described as minimal during the reporting period, and additional perimeter growth is not expected. A demobilization of resources has begun, and full containment was expected on Saturday. This will be the final report for this fire.



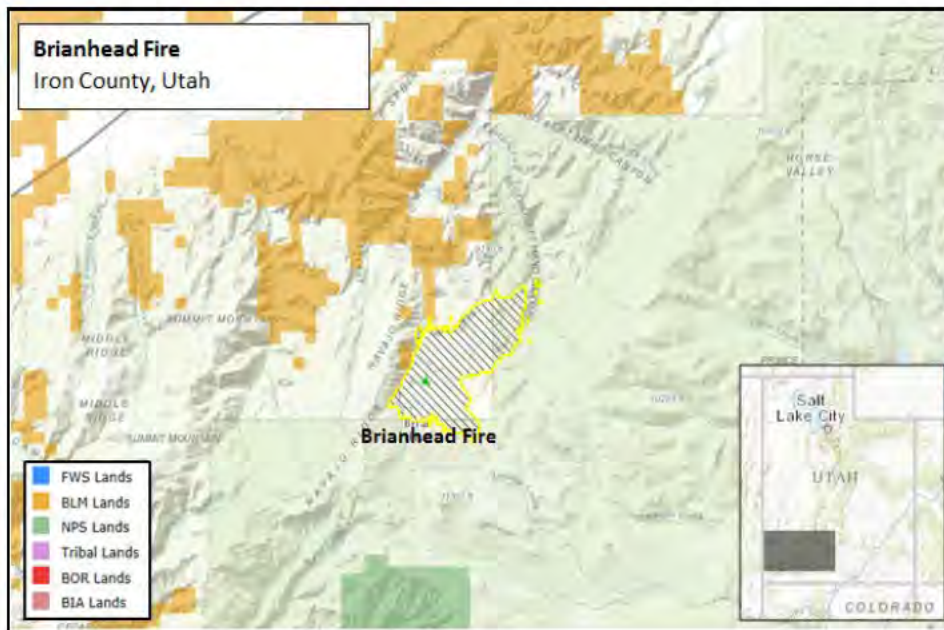
IGEMS Image

## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, UT (State Fire)
- Burned Acres: 42,800 (+25,506)
- Containment: 10-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 1,140 (+331) / 225 (+77)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,108 (no change) / 41 (no change)
- Evacuations / Sheltered in place: 1,555 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 13 (+8) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was described as active during this reporting period, with perimeter growth being evaluated. Suppression efforts continue around structures in the town of Brian Head, the Thunder Ridge Boy Scout Camp, the 1st Left Hand Canyon, the Yankee Meadows Recreation Area, the Panguitch Lake Area, the Dry Lakes Area, and the Blue Springs Area.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 26, 2017

### National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (111 new fires)
New large fires:	6
Large fires contained:	4
Uncontained large fires: **	13
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	4

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## U.S. Bureau of Reclamation Dam Response Activity

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 25, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is currently operating appropriately, and there are no concerns with dam safety. On June 23, the reservoir water surface (RWS) elevation was observed to be 6,412.4 feet, and downstream flows on Owl Creek were 345 cfs. The flow rate in has been fluctuating with the cyclic warming and cooling of the day.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Boysen Dam, Wyoming (Initial Report)**

*Source: United States Bureau of Reclamation - June 25, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the RWS elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The dam is located on the Wind River, approximately 17 miles to the south of Thermopolis. On June 23, the RWS elevation was observed to be 4,727.46 feet, calculated inflows were 14,821 cfs, releases were 8,918 cfs, and the reservoir storage was 790,933 acre-feet (AF).

A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 25, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton.

The Bull Lake Dam remains in a Response Level 1. As of June 23, the RWS elevation was 5,792.03 feet, calculated inflows were 3,286 cfs, releases were 2,604 cfs, and the reservoir storage was 113,562 AF. The reservoir is 74.5-percent full. The USBR Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 25, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the RWS elevation rising more than 0.5 feet in a 6-hour period from the afternoon of June 5 through June 6. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody.

As of June 23, the RWS elevation was 5,387.4 feet, calculated inflows were 11,922 cfs, and releases were 3,538 cfs. The reservoir storage was 591,016 AF, leaving approximately 55,549 AF of space in the reservoir. The USBR's Wyoming Area Office continues to monitor the situation and will issue updates as warranted.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

On June 23 at 8:49 p.m. EDT, a significant explosive eruption occurred at the Bogoslof Volcano. The eruption lasted about 10 minutes and produced a volcanic cloud that reached about 36,000 feet above sea level. The eruption was accompanied by strong seismicity and lightning resulting in the AVO briefly raising the Aviation Color Code to Red and the Volcano Alert Level to Warning. On June 24, the Aviation Color Code was lowered to Orange and the Volcano Alert Level was lowered to Watch as no new explosive events occurred since the June 23 eruption. The Bogoslof Volcano remains at a heightened state of unrest, and additional explosions producing high-altitude volcanic clouds could occur with little precursory activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, and surface temperatures appear to be declining. Web camera and satellite images were obscured by clouds and fog on Sunday morning, but no unusual activity was observed in seismic or infrasound data during this reporting period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing cloud may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes in either eruption. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows are active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake level is rising in concert with inflationary tilt and was about 130 feet below the floor of Halema‘uma‘u Crater on Sunday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### **Earthquake Activity**

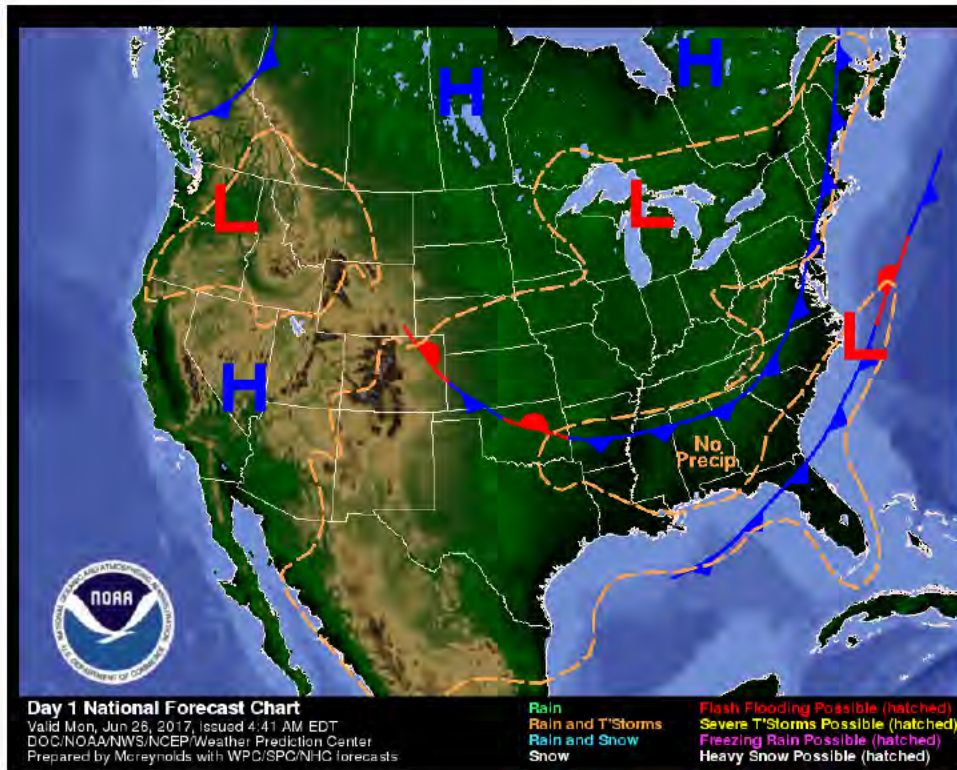
*Source: United States Geological Survey - June 25, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.2 earthquake occurred on June 25 at 1:42 p.m. EDT, approximately 130 miles to the northwest of Nuku'alofa, Tonga at a depth of 24 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. There was no tsunami generated from this event.



## Significant National Weather

Source: National Weather Service - June 26, 2017



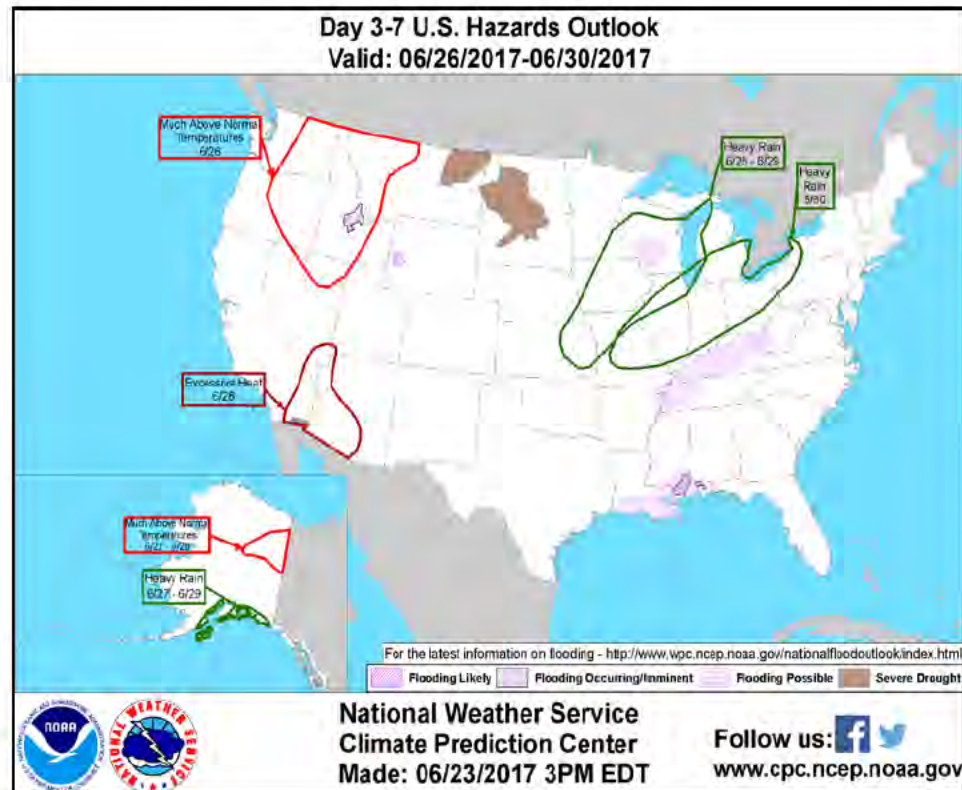
### **Today**

Showers and thunderstorms will develop today over the coastal regions of the Southeast, Florida, and the Gulf Coast. Rain and thunderstorms will develop across New England, the Northeast, the Great Lakes, the Ohio Valley, the central Mississippi Valley, and the central and southern Plains. Thunderstorms, with marginally severe hail and strong wind gusts, will be possible from late this afternoon into the early evening across parts of the Pacific Northwest and from the southern and central Rockies eastward into the High Plains. Red Flag Warnings are in effect for north-central Montana, portions of central and northern California, central Oregon, northern and southern Nevada, and southwestern Utah.

### **Tomorrow**

Rain and thunderstorms will develop tomorrow from Mexico to the northern High Plains and the northern Rockies. Areas of severe thunderstorms, capable of large hail and damaging winds, are expected over much of central and western Nebraska and South Dakota during the late afternoon and evening. Isolated severe storms are possible from eastern Colorado into central Kansas, and from Yellowstone National Park into North Dakota. Elsewhere, high pressure anchored over southern Nevada will continue to produce hot and dry weather across the western third of the nation.

## Weather Hazard Assessment



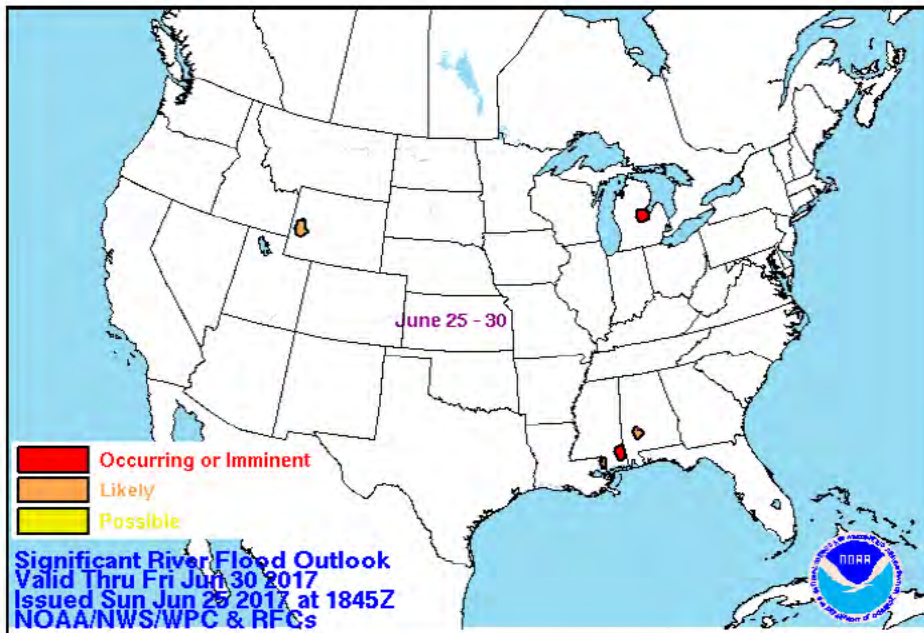
- June 26: Much above-normal temperatures across portions of the Great Basin, the Pacific Northwest, and the northern Rockies.
- June 26: Flooding is possible across portions of the northern and central Plains, the Mississippi Valley, the central Appalachians, the Ohio and Tennessee valleys, the Southeast, and the Great Lakes.
- June 26: Flooding is occurring or imminent across portions of the Southeast, the lower Mississippi Valley, the northern Rockies, and the northern Great Basin.
- June 26: Flooding is likely across portions of the northern and central Rockies, the Southeast, and the central Great Basin.
- June 26: Excessive heat across portions of California and the Southwest.
- June 26: Severe drought across California, Hawaii, the northern Plains, and the Southwest.
- June 27-28: Much above-normal temperatures across portions of northeastern mainland Alaska.
- June 27-29: Heavy rain across coastal portions of southern mainland Alaska.
- June 28-29: Heavy rain across portions of the central Plains, the upper and middle Mississippi Valley, and the Great Lakes.
- June 30: Heavy rain across portions of the middle Mississippi Valley, the Great Lakes, and the Ohio Valley.
- July 1-5: Slight risk of much above-normal temperatures for portions of the southern Rockies and the southern Plains.

## Alaska Weather



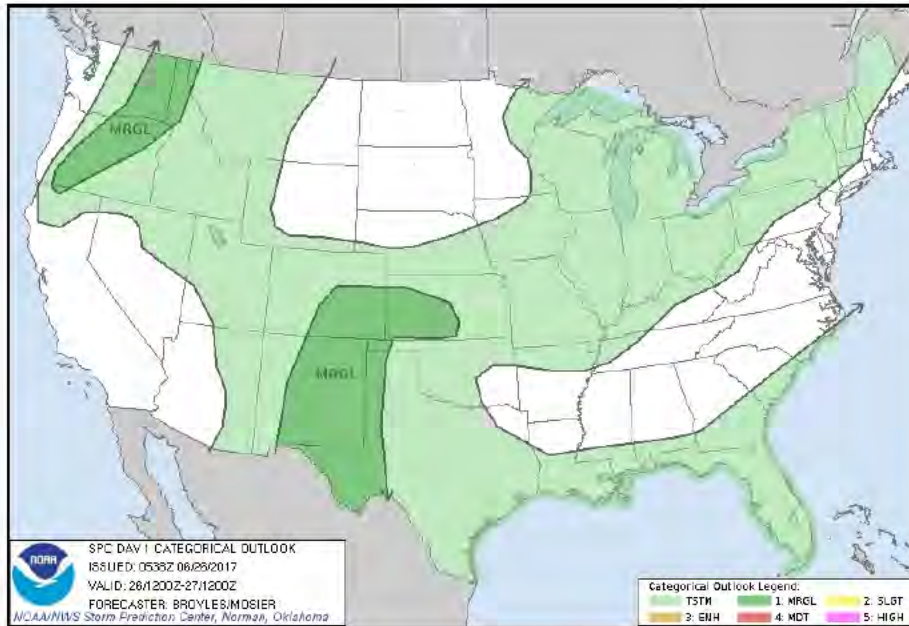
There is a Small Craft Advisory in effect for the Aleutian Islands, the Pribilof Islands, the Shelikof Strait, the Barren Islands, Bristol Bay, Nunivak Island, St. Matthew Island, St. Lawrence Island, from Cape Fairweather to Dixon Entrance, and from Dall Point to Wales.

## Significant River Flooding



Significant River Flooding is occurring or likely today in western Wyoming, central Michigan, eastern Louisiana, southern Mississippi, and southwestern Alabama.

## Severe Weather

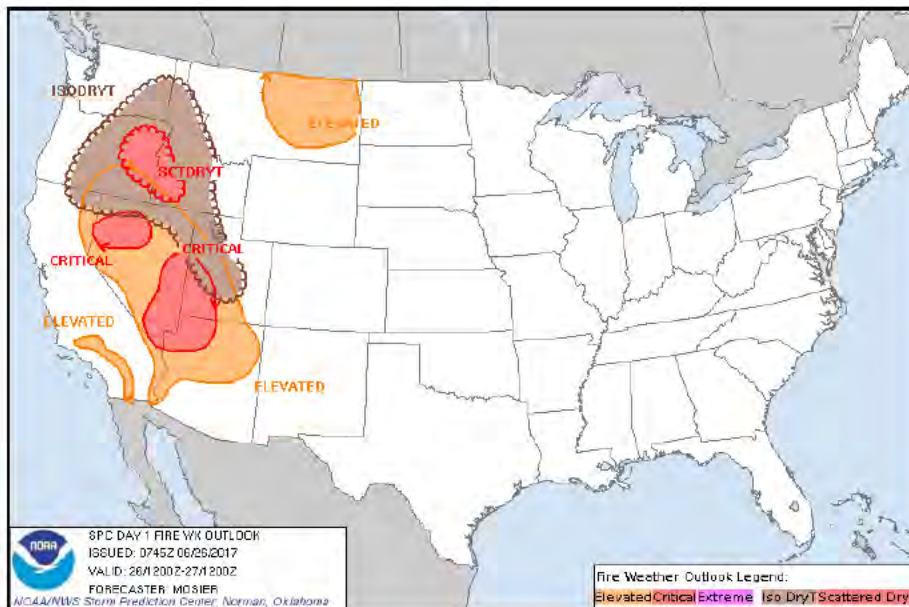


There is a Marginal Risk of severe thunderstorm activity today from parts of the southern and central Rockies into the southern and central High Plains. A Marginal Risk of severe thunderstorms also exists across parts of the Pacific Northwest.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is Critical Fire Weather forecast for today across portions of Nevada, southwestern Utah, and northwestern Arizona. There is Elevated Fire Weather forecast for Nevada, Utah, Arizona, northern and southern California, southeastern Oregon, southwestern Idaho, and Montana. There are Isolated Dry Thunderstorms forecast across Utah, northern Nevada, northern California, Oregon, southeastern Washington, Idaho, and western Montana. There are Scattered Dry Thunderstorms forecast for eastern Oregon and southwestern Idaho.

**Tropical Weather Update**

Source: National Weather Service/National Hurricane Center - June 26, 2017

**Eastern Pacific Ocean - Hurricane Dora**



*HURREVAC Image*

As of 5:00 a.m. EDT this morning, Hurricane Dora was located approximately 170 miles to the south-southwest of Manzanillo, Mexico and moving west-northwest at 13 miles per hour. Dora is expected to continue moving in the same direction with some decrease in forward speed over the next 48 hours. On this forecast track, the center of Dora is expected to remain offshore of the coast of southwestern Mexico. Maximum sustained winds have increased to near 80 miles per hour, with higher gusts. The storm is expected to strengthen today; however, weakening is forecast to begin on Tuesday.

***\*End of Report\****

**Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, June 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

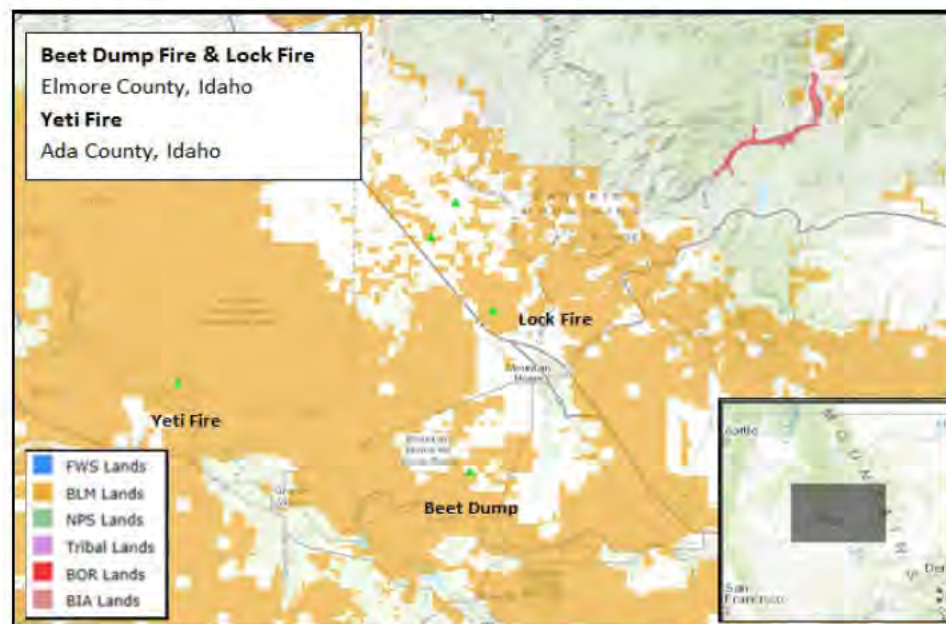
## Alerts & Warnings

National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 2  
Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Cleveland Volcano: Alert Level is ADVISORY; Aviation Color Code is YELLOW  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 4 (Normal Operations)

## Wildland Fire Activity

Source: [Fire and Aviation Management Website - June 27, 2017](#)

## Idaho Fires



IGEMS Image

### **Beet Dump Fire (Initial)**

- Start Date: June 26
- Location: Elmore County, ID (BLM)
- Burned Acres: 1,500
- Containment: 20-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 16 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 28

Comments: The Beet Dump Fire is described as an active, running fire with short grass as the primary fuel source. There are no concerns due to weather, and no communities are threatened at this time.

### **Lock Fire (Initial)**

- Start Date: June 26
- Location: Elmore County, ID (BLM)
- Burned Acres: 1,500
- Containment: 20-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 35 / 10
- Structures Threatened-Single-Mixed Residential/Commercial: 17 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 26

Comments: Fire behavior was described as active during this reporting period, and some perimeter spread to the east is likely over the next day or so. The fire has the potential to threaten residences, powerlines, and a sub-station over the next 12 hours, but full containment was expected to occur yesterday.

### **Yeti Fire (Initial)**

- Start Date: June 26
- Location: Ada County, ID (BLM)
- Burned Acres: 3,000
- Containment: 20-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 36 / 16
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0



- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 27

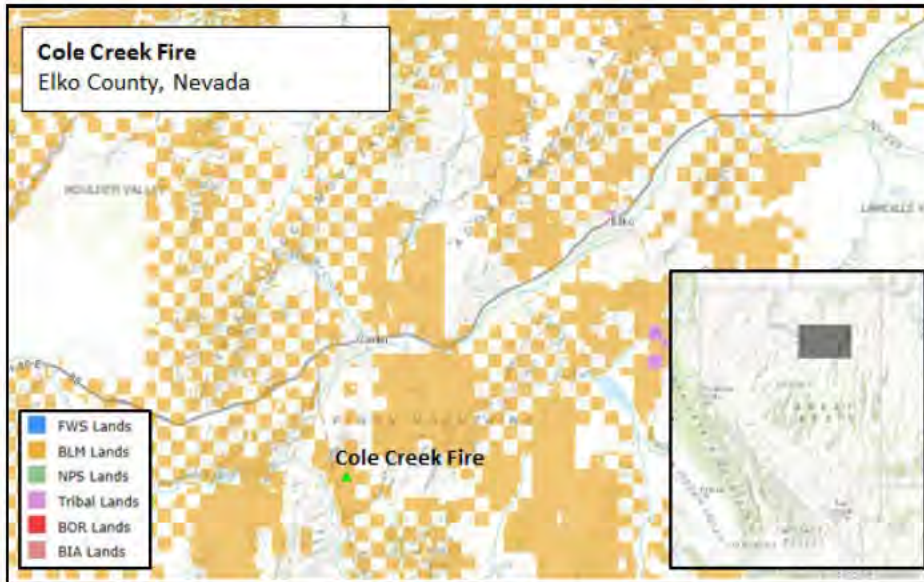
Comments: Active fire behavior was observed during this reporting period, but no additional perimeter spread is expected. There are no concerns due to weather over the next 24 hours, and the fire is expected to be fully contained today.

**Nevada Fires**

**Cole Creek Fire (Initial)**

- Start Date: June 26
- Location: Elko County, NV (BLM)
- Burned Acres: 2,500
- Containment: 10-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 116 / 33
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 29

Comments: The fire behavior was described as extreme during this reporting period, and additional perimeter growth is possible over the next couple of days. There are no residences threatened at this time, but the fire is threatening sage-grouse habitat and grazing allotments.



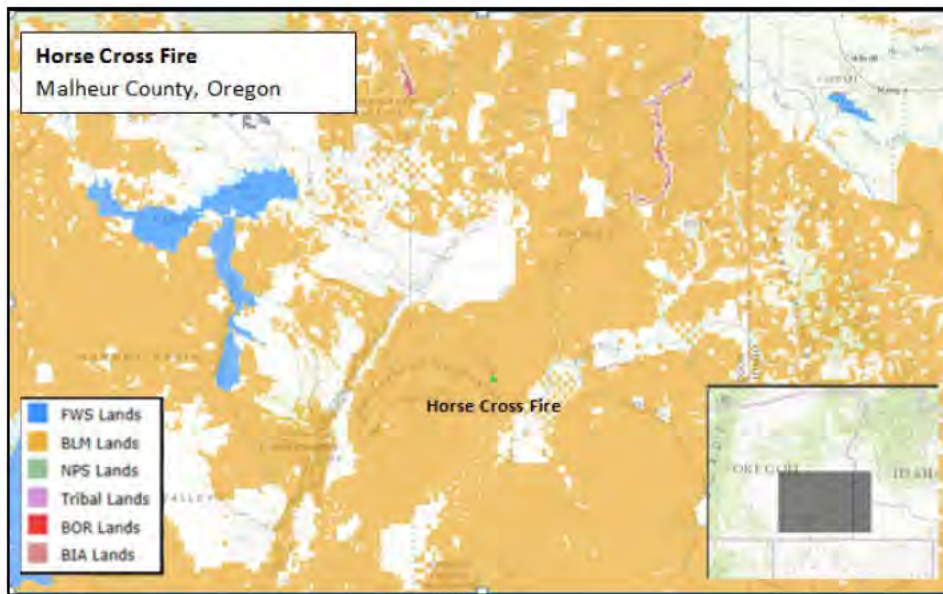
IGEMS Image

## Oregon Fires

### **Horse Cross Fire (Initial)**

- Start Date: June 26
- Location: Malheur County, OR (BLM)
- Burned Acres: 5,500
- Containment: 10-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 74 / 30
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 27

Comments: The fire behavior was described as moderate during this reporting period, with grass and brush as the primary fuels. The closest structure is 5 miles to the northwest of the fire; however, the fire is burning in sage-grouse habitat. A weather system to the west of the incident may bring strong gusty winds to the area. Full containment is expected today.



*IGEMS Image*

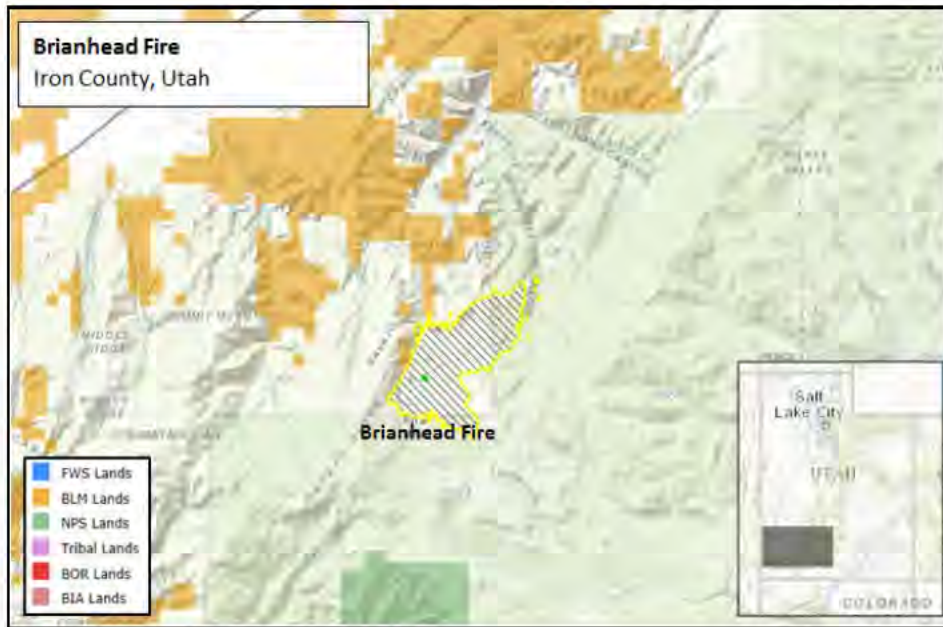
## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, UT (State Fire)
- Burned Acres: 43,436 (+636)
- Containment: 9-percent (-1)

- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,427 (+287) / 299 (+74)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,115 (+7) / 41 (no change)
- Evacuations / Sheltered in place: 1,562 (+7) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 15 (+2) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was described as extreme during this reporting period, and additional perimeter growth is expected over the next 72 hours. A Red Flag Warning is in effect in the fire area for today and tomorrow. Suppression efforts continue around structures in the town of Brian Head, the Thunder Ridge Boy Scout Camp, the 1st Left Hand Canyon, the Yankee Meadows Recreation Area, the Panguitch Lake Area, the Dry Lakes Area, and the Blue Springs Area. As of yesterday, 13 residences have been destroyed by the fire.



IGEMS Image

## Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center – June 27, 2017*

### National Preparedness Level 2

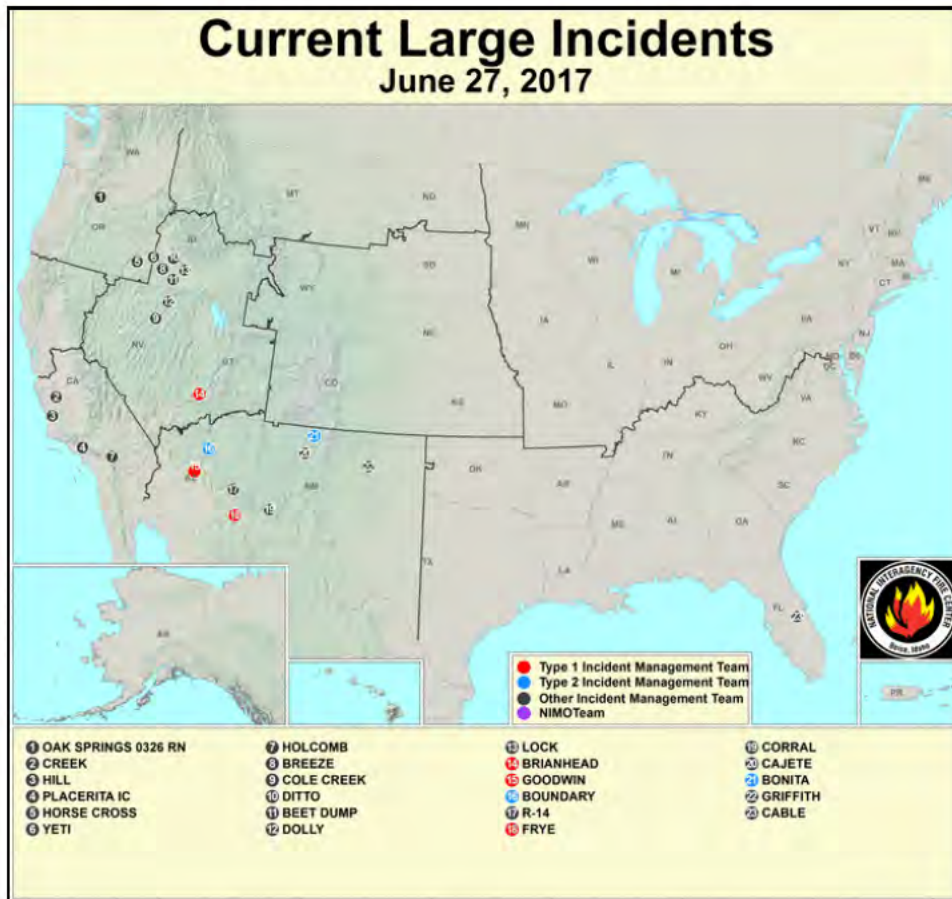
#### National Fire Activity

Initial attack activity:	Light (172 new fires)
New large fires:	10
Large fires contained:	3
Uncontained large fires: **	18

Area Command Teams committed: 1  
 NIMOs committed: 0  
 Type 1 IMTs committed: 3  
 Type 2 IMTs committed: 3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**



**U.S. Bureau of Reclamation Dam Response Activity**

**Response Level 2 - Anchor Dam, Wyoming**

Source: United States Bureau of Reclamation - June 26, 2017

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is operating appropriately, and there are no concerns with the dam safety. As of June 26, the reservoir water surface (RWS) elevation was 6,411.89 feet and declining, with the

downstream flow in Owl Creek at 225 cfs. The flow rate in Owl Creek has been fluctuating with the cyclic warming and cooling of the day. On June 25, the average daily inflow to the Anchor Reservoir was 175 cfs, and the discharge was 217 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 26, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the RWS elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The Boysen Dam is located on the Wind River, approximately 17 miles to the south of Thermopolis, Wyoming.

The Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between an elevation 4,725.0 feet and 4,732.2 feet, releases from the dam will be coordinated with the U.S. Army Corps of Engineers. As of June 26, the RWS elevation was 4,728.87 feet, and the reservoir storage was approximately 820,224 acre-feet (AF). On June 25, the reservoir inflow was calculated to be 12,679 cfs, and releases were 9,089 cfs.

A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 26, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of June 26, the RWS elevation was 5,793.25 feet, and the reservoir storage was 117,041 AF. As of June 25, inflows to the reservoir were 702 cfs, and releases were 386 cfs.

A Response Level 1 is the lowest of the Reclamation response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the Buffalo Bill Dam and provide updates as warranted.

## **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 26, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the rise in the reservoir exceeding 0.50 feet in a 6-hour period. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody. Warm weather and a higher than average snowpack is causing high runoff, and the reservoir is continuing to rise.

As of June 26, the RWS elevation was 5,389.3 feet. As of June 25, inflows to the reservoir were 7,544 cfs, releases were 5,205 cfs, and the reservoir storage was 610,627 AF.

A Response Level 1 is the lowest of the Reclamation response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at Buffalo Bill Dam and provide updates as warranted.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

On June 26, the Bogoslof Volcano experienced an eruption that lasted for about 15 minutes before returning to background levels. The Aviation Color Code remained at Orange, and the Volcano Alert Level remained at Watch due to the short duration of the eruption, along with the relatively low altitude of the ash cloud. Recent eruptive episodes have produced multiple short-duration explosions interspersed with minutes to hours of inactivity between events. Future explosions could occur with little to no warning. The AVO will continue to monitor seismic and infrasound data from nearby islands, as well as lightning data from the World Wide Lightning Location Network for signs of renewed activity.

### **Cleveland Volcano, AK (Final)**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 26, 2017*

**Alert Level = ADVISORY**

**Color Code = YELLOW**

Recent observations of the Cleveland Volcano suggest that unrest has declined, and it is unlikely that eruptive activity is continuing. With the reduction in activity, the AVO lowered the Aviation Color Code to Yellow and the Volcano Alert Level to Advisory. Satellite observations have yielded no evidence for continuing lava effusion since June 7, and there have been no detections of anomalous seismicity nor infrasound from the volcano since the brief explosion on May 16. This will be the final report for the Cleveland Volcano.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 26, 2017

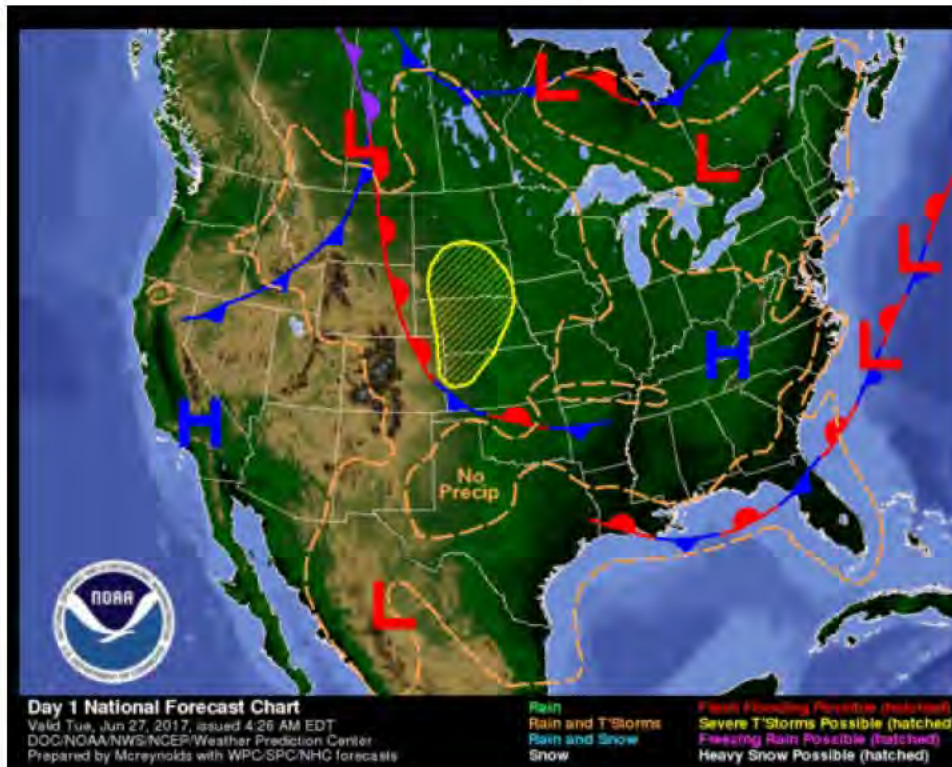
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes reported during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake level is rising in concert with inflationary tilt and was about 100 feet below the floor of Halema‘uma‘u Crater on Monday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## Significant National Weather

Source: National Weather Service - June 27, 2017



## Today

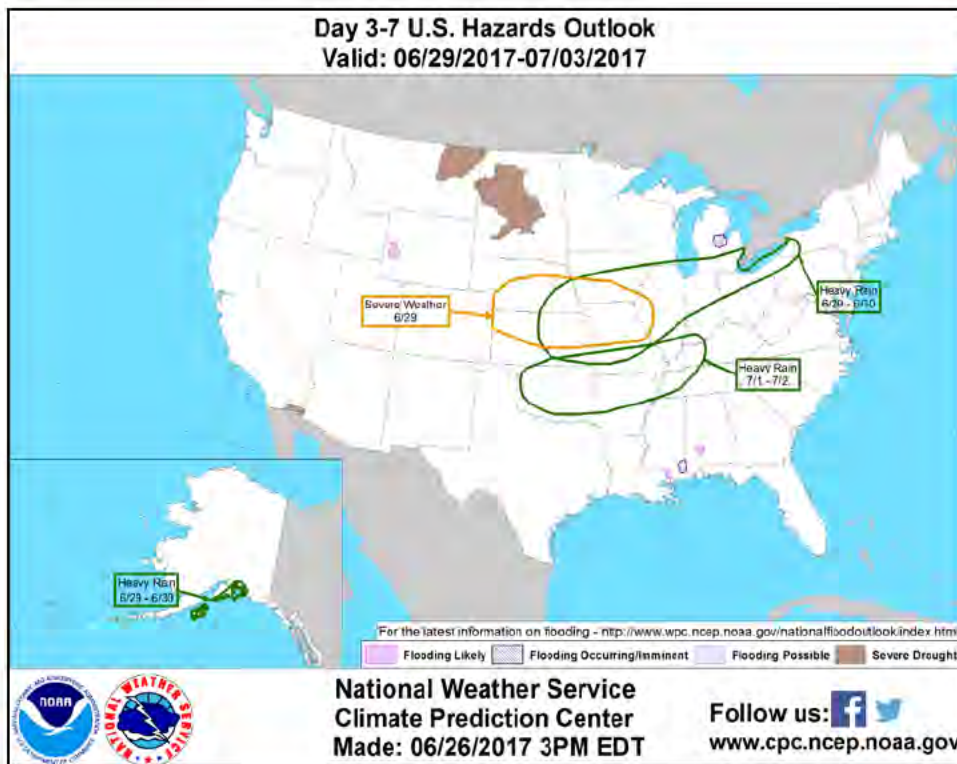
Rain and thunderstorms will develop today along the southeastern coast of the U.S., Florida, the central Gulf Coast, and the eastern half of Texas. Isolated severe storms will be possible across parts of eastern New York and southern New England. Rain and thunderstorms will develop over the central and northern Rockies, the central and northern Great Plains, the upper Midwest, and portions of the southwestern Plains. Severe thunderstorms capable of large hail, damaging

winds, and tornadoes are expected over much of Nebraska and South Dakota late this afternoon and evening.

## Tomorrow

Rain and thunderstorms will stretch today from northern New England into the Midwest, the central Plains, and the northern Rockies. Scattered severe thunderstorms, with large hail and damaging winds, are expected from northern Kansas into Iowa, with isolated activity stretching from Wisconsin to Colorado and eastern Wyoming. Some tornado activity is also possible to the northeast of the Missouri River, including Iowa, southeastern Minnesota, and southern Wisconsin. Heavy rain, with localized flooding and flash flooding, will be possible from the central Great Lakes into the Midwest.

## Weather Hazard Assessment



- June 27: Flooding is occurring, imminent, or likely in parts of Michigan, Wyoming, and the Southeast.
- June 27: Severe drought across California, Hawaii, the northern Plains, and the Southwest.
- June 29: Severe weather for the central Great Plains and the middle Mississippi Valley.
- June 29-30: Heavy rain for the central Great Plains, the middle Mississippi Valley, the Midwest, the Great Lakes, Kodiak Island, the Kenai Peninsula, and the Prince William Sound.



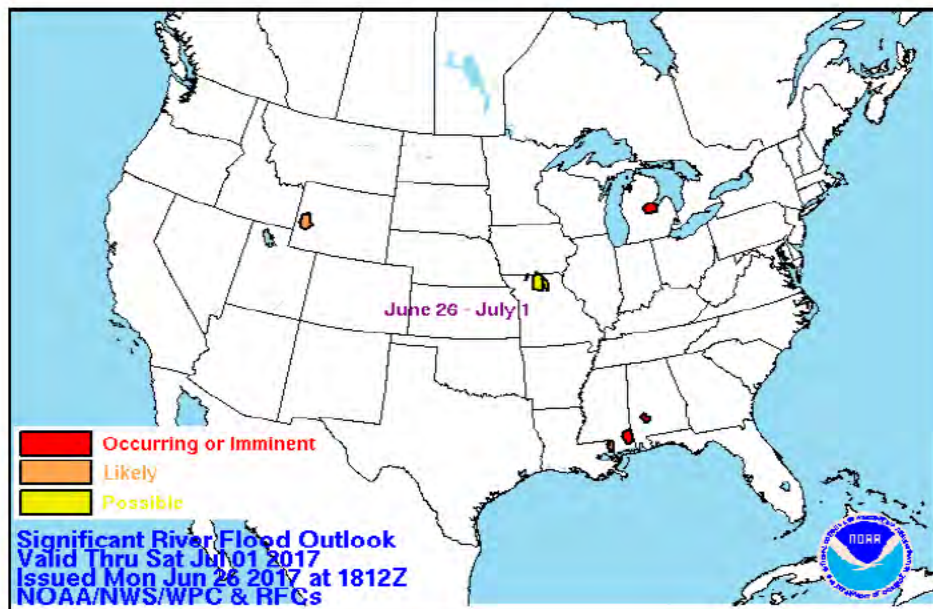
- July 1-2: Heavy rain from the central and southern Great Plains to the lower Ohio Valley.
- July 4-8: Slight risk of much above-normal temperatures for eastern mainland Alaska.
- July 4-10: Slight risk of much above-normal temperatures for the northern Great Plains.

### Alaska Weather



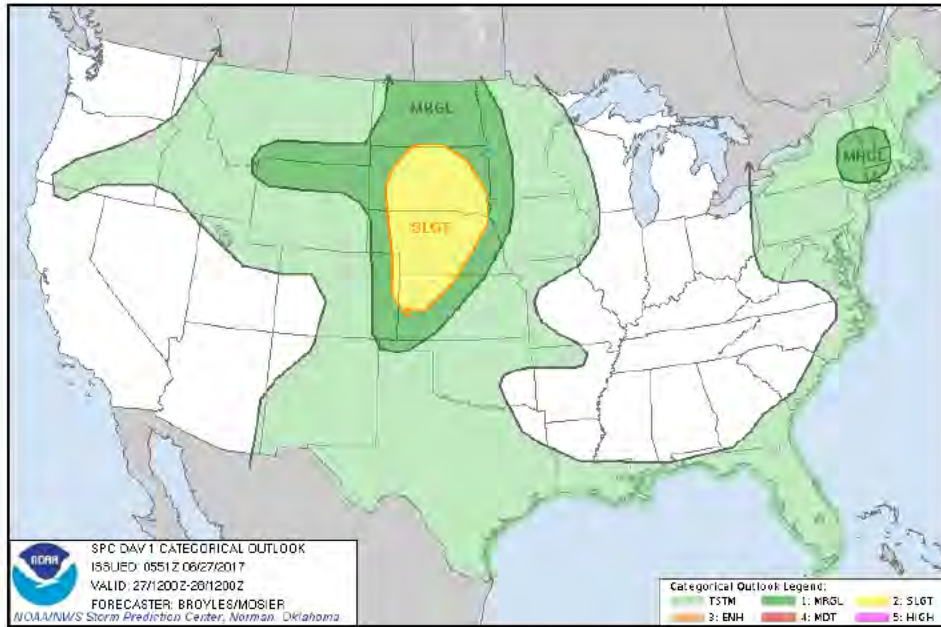
There is a Small Craft Advisory in effect for the Aleutian Islands, from Castle Cape to Icy Cape, and from Cape Fairweather to Dixon Entrance.

### Significant River Flooding



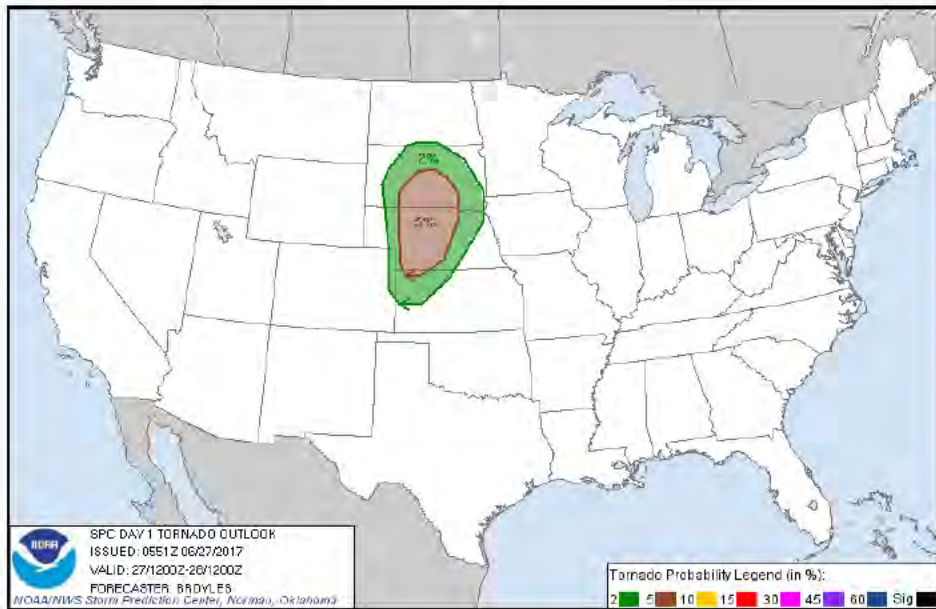
Significant River Flooding is occurring or likely today in western Wyoming, central Michigan, southeastern Louisiana, southern Mississippi, and southwestern Alabama. Significant River Flooding is possible in north-central Missouri and south-central Iowa.

**Severe Weather**



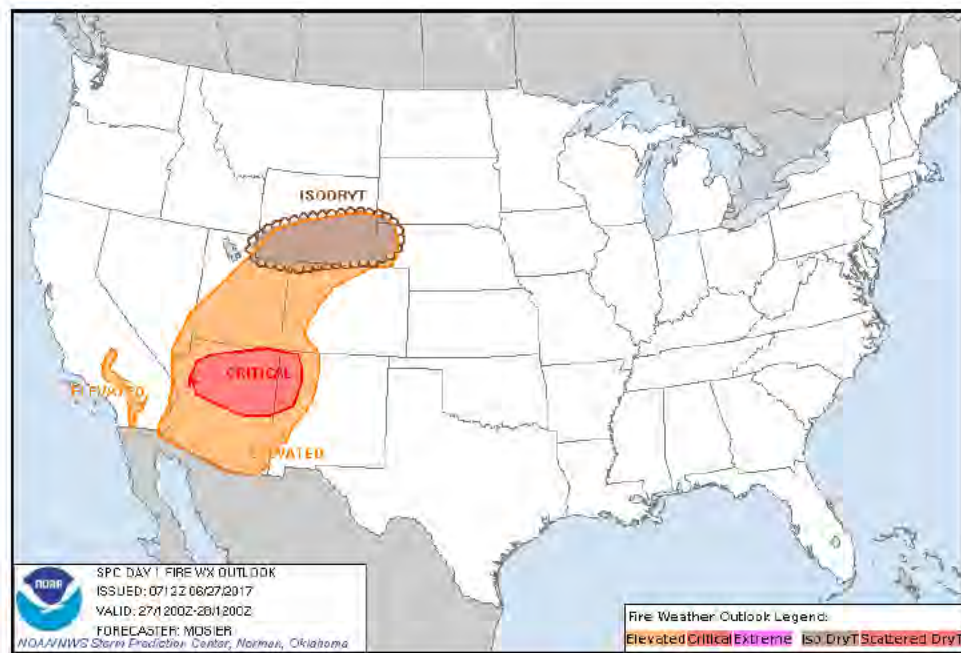
There is a Slight Risk of severe thunderstorm activity today across the central and northern Plains. There is a Marginal Risk of severe thunderstorms across the central and northern Plains, eastern New York, and southern New England.

**Tornado Weather**



There is a 5-percent chance of tornado activity today in northwestern Kansas, central Nebraska, and south-central South Dakota. There is a 2-percent chance of tornado activity in northwestern Kansas, northeastern Colorado, Nebraska, South Dakota, and south-central North Dakota.

## Fire Weather



There is Critical Fire Weather forecast for today across portions of northern Arizona and northwestern New Mexico. There is Elevated Fire Weather forecast for Arizona, southeastern Nevada, western New Mexico, western and northern Colorado, Utah, southern Wyoming, western Nebraska, southwestern South Dakota, and southern California. There are Isolated Dry Thunderstorms forecast across southern Wyoming, western Nebraska, southwestern South Dakota, northeastern Utah, and northwestern Colorado.

## Tropical Weather Update

Source: National Weather Service/National Hurricane Center - June 27, 2017

### Eastern Pacific Ocean - Hurricane Dora

As of 5:00 a.m. EDT, Hurricane Dora was located approximately 255 miles to the west-southwest of Cabo Corrientes, Mexico and moving west-northwest at 12 miles per hour. This general motion is expected to continue for the next couple of days, and Dora is expected to begin to weaken today. Maximum sustained winds have decreased to near 80 miles per hour, with higher gusts. On this forecast track, the center of Dora is expected to pass over or just north of Socorro Island later today and remain well south of the Baja California Peninsula. There are no coastal watches or warnings in effect.



HURREVAC Image

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, June 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 28, 2017*

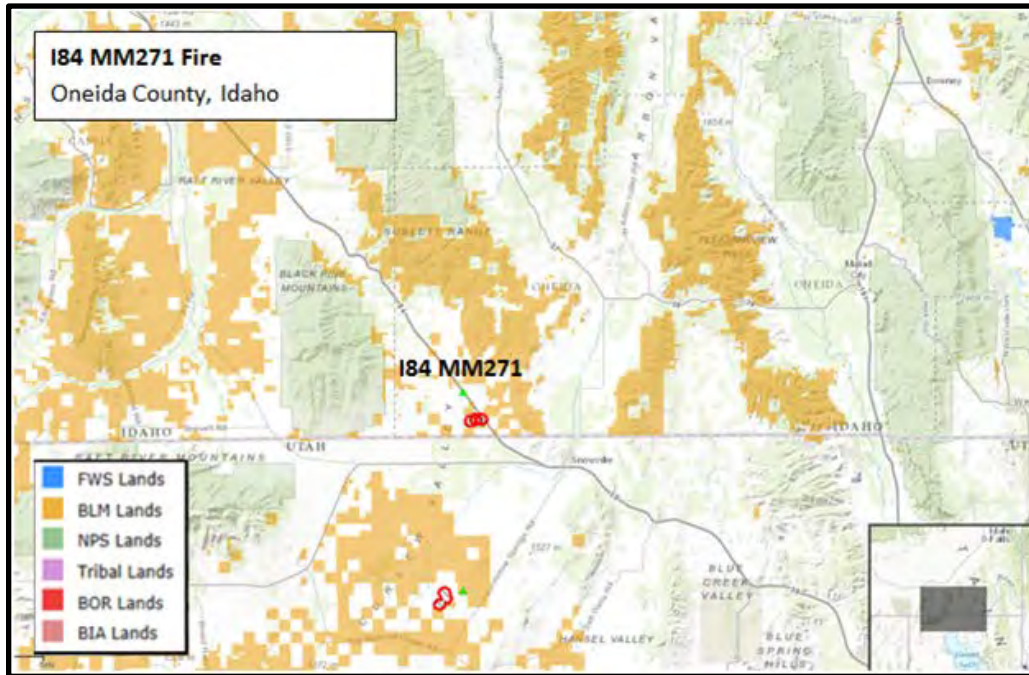
The **Horse Cross Fire** (Oregon), **Beet Dump Fire** (Idaho), and **Lock Fire** (Idaho) all reached 100-percent containment overnight; therefore, the fires will no longer be summarized in this report.

## Idaho Fires

### **I84 MM271 Fire (Initial)**

- Start Date: June 27
- Location: Oneida County, Idaho (BLM)
- Burned Acres: 3,000
- Containment: 65-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 59 / 47
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 28

Comments: While The I84 MM271 Fire was observed as an active fire with periods of running, full containment is expected today.

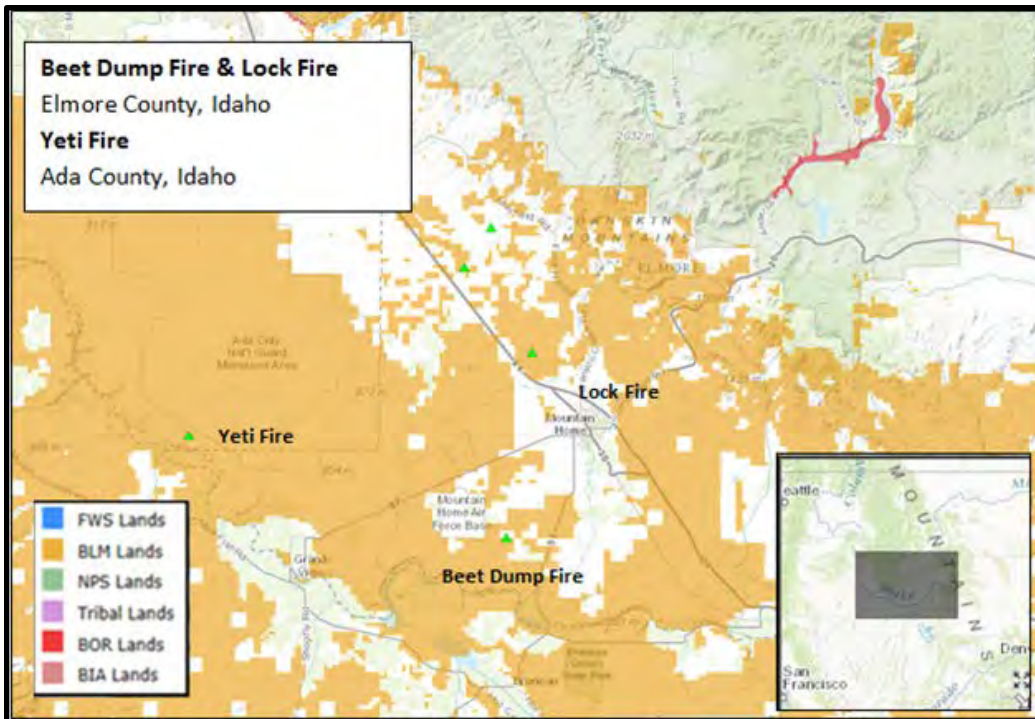


IGEMS Image

### Yeti Fire

- Start Date: June 26
- Location: Ada County, ID (BLM)
- Burned Acres: 3,800 (+800)
- Containment: 80-percent (+60)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 43 (+7) / 16 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 27

Comments: Minimal fire behavior was observed during this reporting period, with smoldering, creeping, and backing noted. There are no concerns due to weather over the next 24 hours.



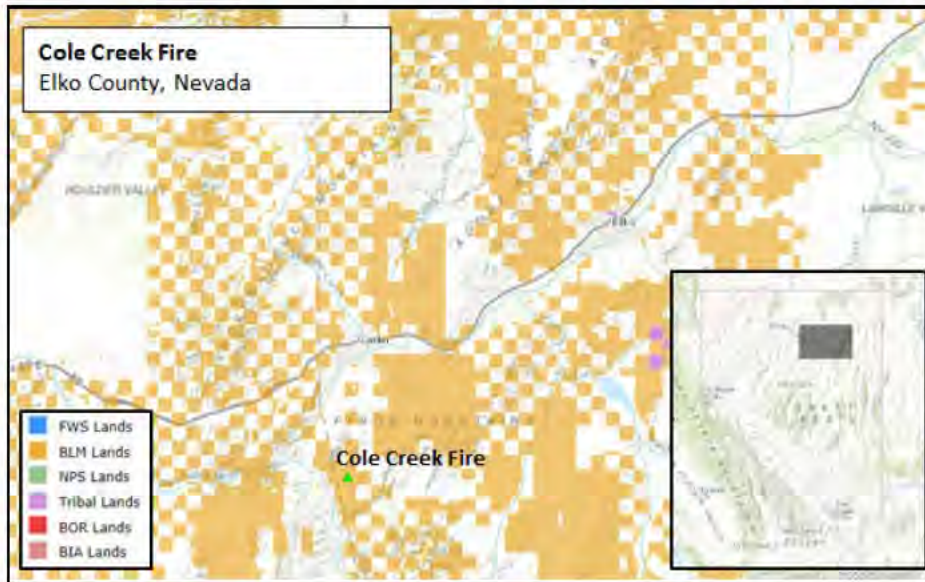
IGEMS Image

## Nevada Fires

### **Cole Creek Fire**

- Start Date: June 26
- Location: Elko County, Nevada
- Burned Acres: 4,500 (+2,000)
- Containment: 60-percent (+50)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 257 (+141) / 33 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 4 (+4) / 0
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 3

Comments: Fire behavior was described as active during this reporting period, with wind driven runs and torching. Primary fuel source is brush and short grass. There are no residences threatened at this time, but the fire is threatening sage-grouse habitat and grazing allotments.



IGEMS Image

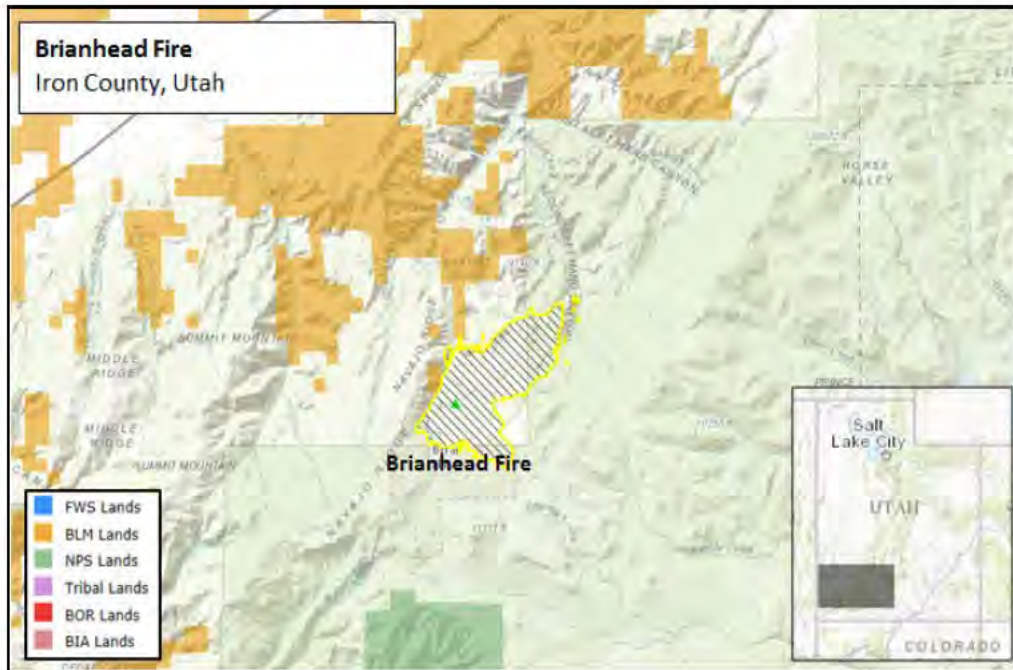
## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah
- Burned Acres: 49,626 (+6,190)
- Containment: 10-percent (+1)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,605 (+178) / 394 (+95)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,115 (no change) / 41 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 15 (no change) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was described as extreme during this reporting period. A Red Flag Warning is in effect in the fire area today. Suppression efforts continue around structures in the town of Brian Head, the Thunder Ridge Boy Scout Camp, the 1st Left Hand Canyon, the Yankee Meadows Recreation Area, the Panguitch Lake Area, the Dry Lakes Area, and the Blue Springs Area. As of yesterday, 13 residences have been destroyed and two others damaged by the fire.



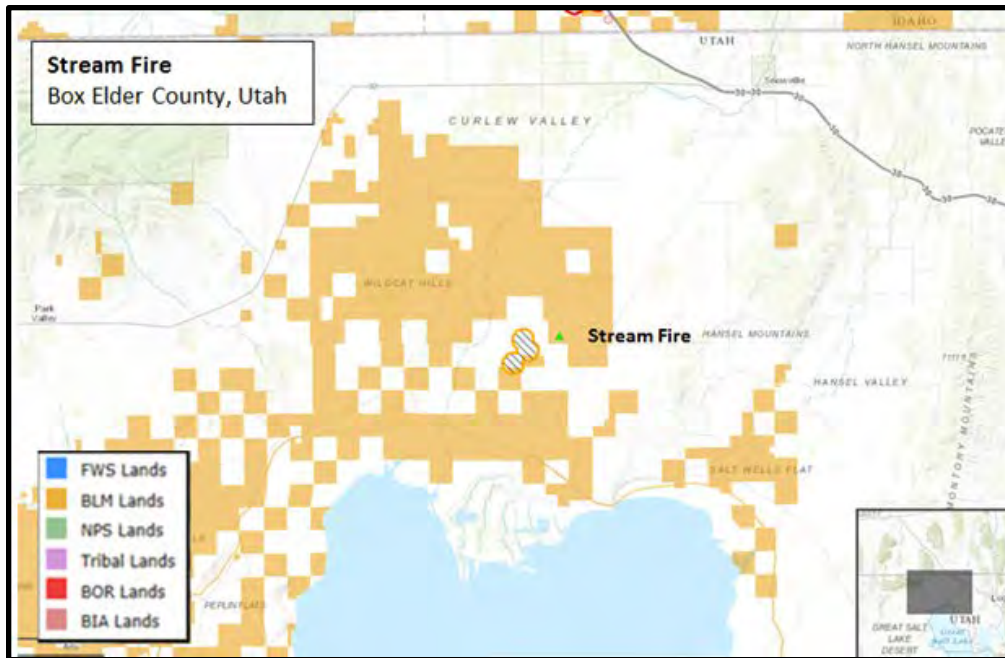


IGEMS Image

### Stream Fire (Initial)

- Start Date: June 27
- Location: Box Elder County, Utah (BLM)
- Burned Acres: 8,146
- Containment: 80-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 45 / 6
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: June 29

Comments: Fire behavior was described as active, with running and wind driven runs during the operational period. Primary fuel is short grass and brush. There are Red Flag weather conditions in effect, but there is no immediate threat to lives or property.



IGEMS Image

## **Washington Fires**

### **Sutherland Canyon Fire (Initial)**

- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 3,500
- Containment: 10-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 24 / 2
- Structures Threatened-Single-Mixed Residential/Commercial: 10 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 2

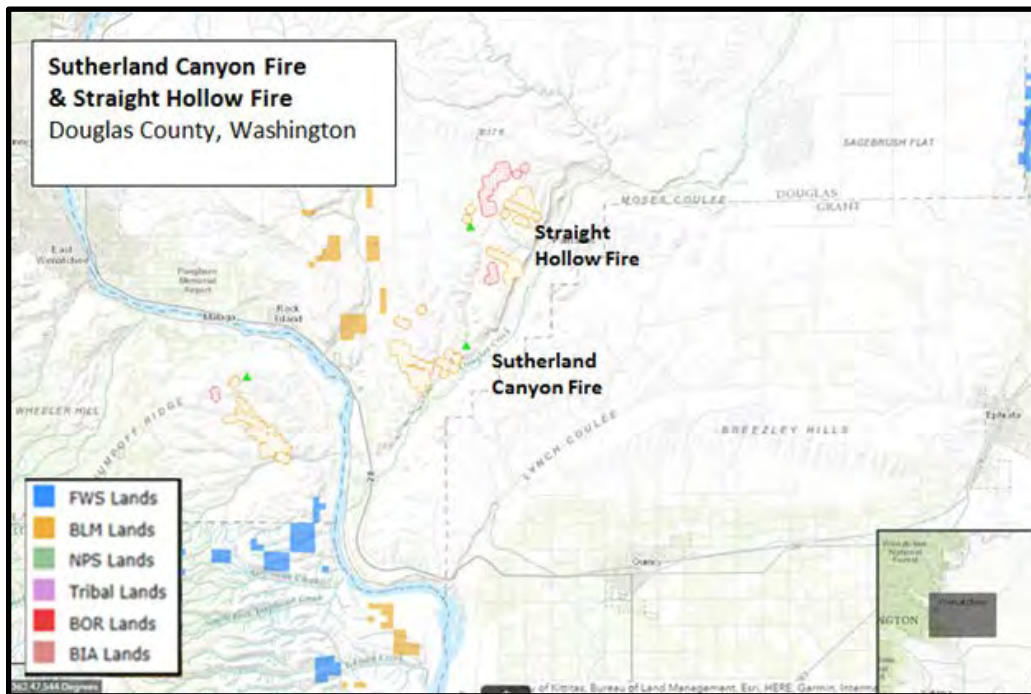
Comments: Fire behavior was described as active, with short runs in light, flashy fuels during the operational period. Primary fuels are short grass and brush. Area Weather is hot and dry, and there are no natural barriers to slow the rate of spread.

### **Straight Hollow Fire (Initial)**

- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 5,000
- Containment: 10-percent

- Management: Type-3 IMT
- Personnel Assigned / DOI: 2 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 2

Comments: Fire observations were described as extreme for this reporting period. The primary fuels are short grass and brush. Weather is hot and dry with gusts of wind to 30 mph in the area. The fire is in a remote location, near nature preserves and sensitive plants.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 28, 2017

### National Preparedness Level 2

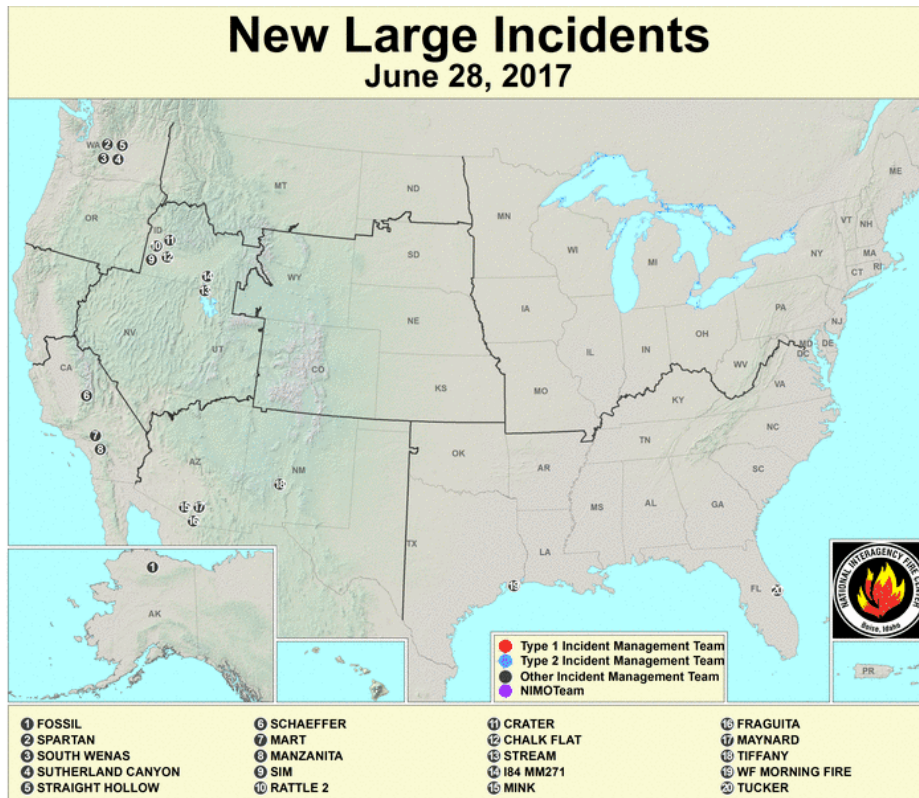
#### National Fire Activity

Initial attack activity:	Light (186 new fires)
New large fires:	20
Large fires contained:	11
Uncontained large fires: **	22
Area Command Teams committed:	1
NIMOs committed:	0

Type 1 IMTs committed: 3  
 Type 2 IMTs committed: 2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**



**Volcano Activity**

**Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Two explosive eruptions have occurred at Bogoslof Volcano in the past 24 hours. The first occurred at 8:45 p.m. EDT on June 26, and the second occurred at 7:17 a.m. EDT. Both events were relatively short-duration, lasting less than 14 minutes each based on seismic data, The two explosions produced volcanic clouds reaching altitudes of 25,000 and 30,000 feet above sea level, respectively, based on satellite data. The occurrence of a second significant explosion together with its higher altitude cloud, which also produced lightning detected by the World Wide Lightning Location Network (WWLLN), prompted the AVO to briefly raise the Aviation Color Code to RED and Volcano Alert Level to WARNING. The Aviation Color Code has

since returned to ORANGE and Volcano Alert Level has returned to WATCH. The AVO will continue to monitor seismic and infrasound data from nearby islands, as well as lightning data from the WWLLN for signs of renewed activity.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone. There were no significant changes reported during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake level is rising in concert with inflationary tilt and was about 92 feet below the floor of Halema‘uma‘u on Tuesday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### **Significant National Weather**

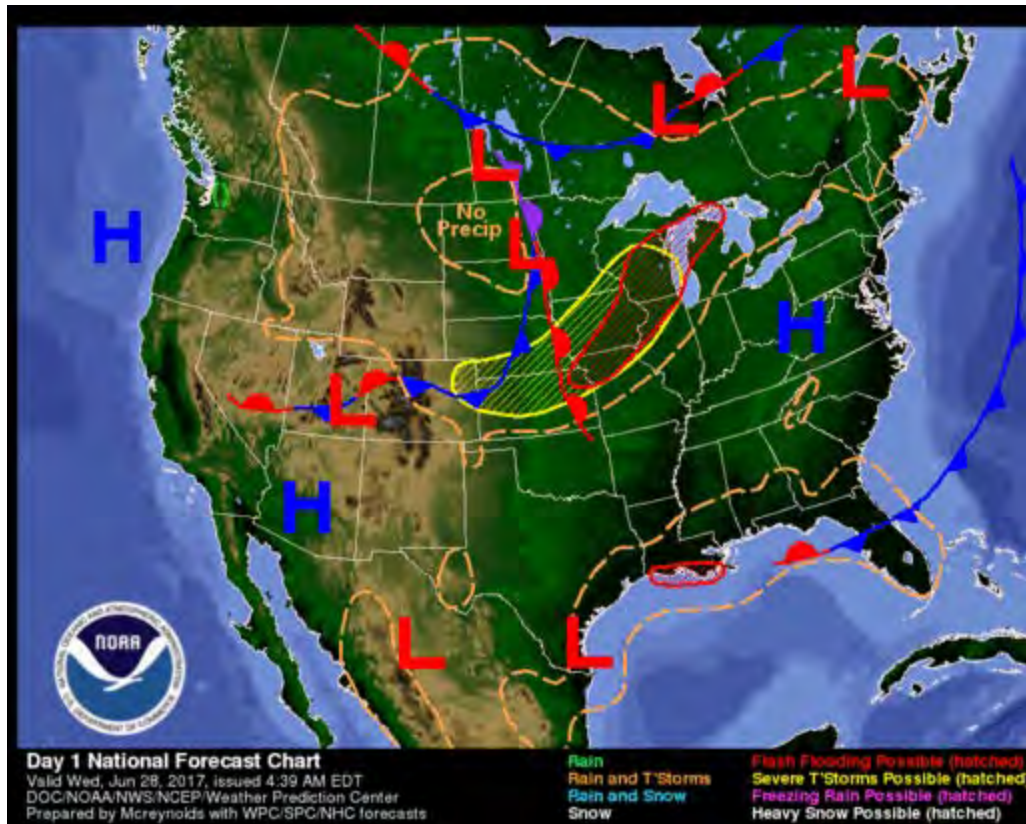
*Source: National Weather Service - June 28, 2017*

#### **Today**

Rain and thunderstorms will extend from Florida across the Gulf Coast states to coastal Texas. Heavy rain and flash flooding will be possible across the far southern parts of Louisiana and the Mississippi Delta region. A storm system will march across the northern and central Plains. Rain and thunderstorms will develop from New England across the Great Lakes, upper Midwest, the central and northern Plains, the northern Rockies, and the western High Plains. Severe thunderstorms with large hail, damaging winds, and possible tornado activity are possible from the mid-Missouri Valley into the middle to upper Mississippi Valley. Isolated severe thunderstorms will also be possible in the central Plains, with marginally severe thunderstorms possible in the central and northern High Plains. Additionally, rain and flash flooding is expected to develop from northern Missouri to the central Great Lakes.

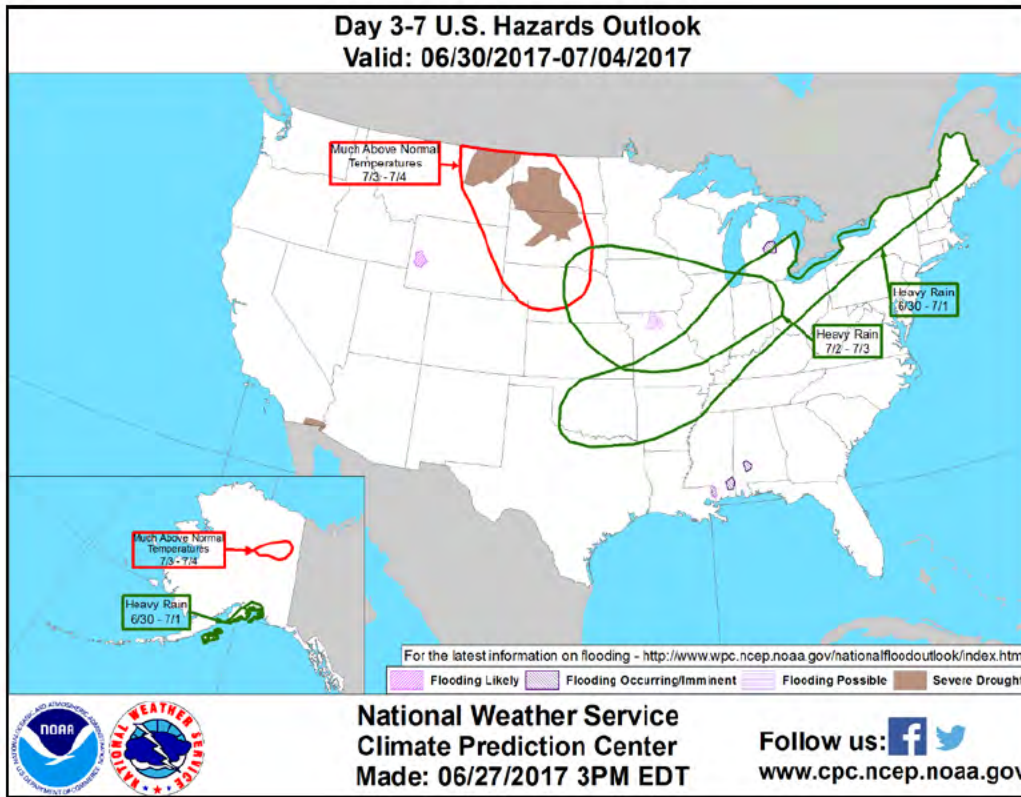
#### **Tomorrow**

A frontal boundary will extend from the Great Lakes to the Great Basin. An area of low pressure will move into the Great Lakes while another slides through the central Rockies. Another frontal system will also begin to drop out of Canada into the northern tier of the U.S. Rain and thunderstorms are expected from New England to the central and northern Great Plains, and the western High Plains. Scattered significant severe thunderstorms are most likely tomorrow across the central Plains, with areas of hail and damaging wind. Isolated strong storms are also possible across the Midwest into western Pennsylvania and New York, with localized severe wind gusts. Heavy rain and flash flooding will be possible for portions of the Midwest. Elsewhere, high pressure will keep the weather fair and dry from the Rockies to the West Coast.



## Weather Hazard Assessment

- June 27: Severe Drought across California, Hawaii, the northern Plains, and the Southwest.
- June 30- July 1: Heavy rain extending from New England and the Great Lakes southwest to the southern Great Plains.
- June 30- July 1: Heavy rain for parts of Kodiak Island, the Kenai peninsula, and the Prince William Sound.
- July 2-3: Heavy rain for parts of the northern and central Great Plains along with the Midwest.
- July 3-4: Much above-normal temperatures for parts of the northern and central Great Plains.
- July 3-4: Much above-normal temperatures for the upper Yukon Valley of Alaska.
- July 5-10: Slight risk of much above-normal temperatures for parts of the central and eastern U.S.
- July 5-9: Slight risk of much above-normal temperatures for parts of eastern mainland Alaska.
- Jul 6-7: Excessive heat for parts of the central U.S.

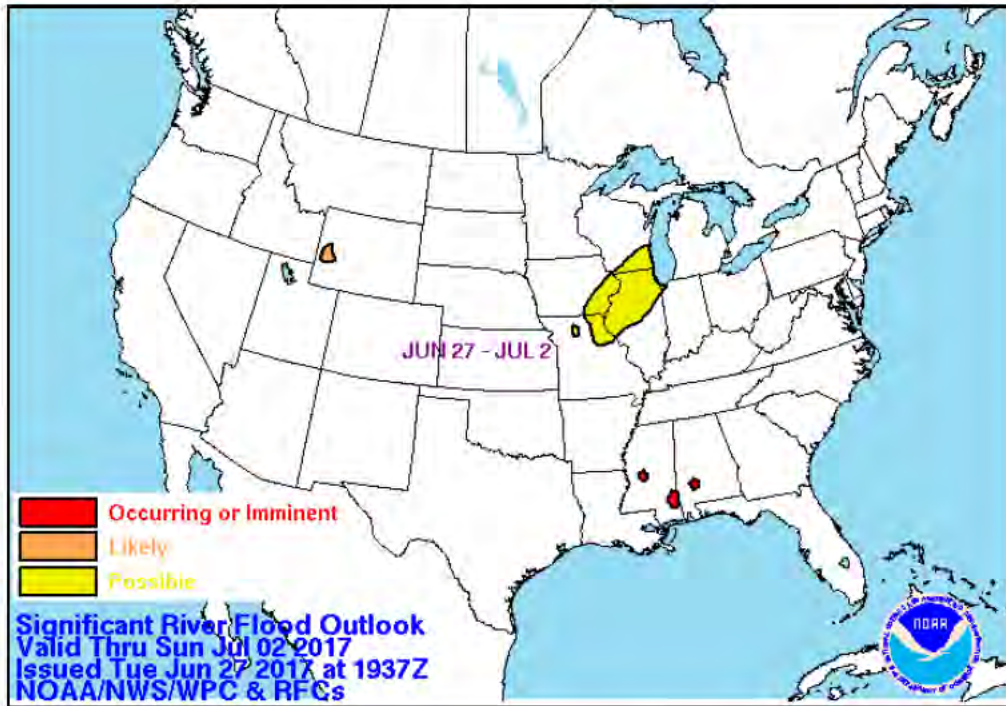


### Alaska Weather



There is a Small Craft Advisory in effect for the central Aleutian Islands, from Nikolski to Cape Fairweather and the Shelikof Strait. A Small Craft Advisory is also in effect along the northern coast, from Cape Beaufort to Demarcation Point. In the interior, there is a Wind Advisory for Isabel Pass, Donnelly, Mentasta Pass, and Chisana.

### Significant River Flooding



Significant River Flooding is occurring or likely today in western Wyoming, southeastern Louisiana, southern Mississippi, and southwestern Alabama. Significant River Flooding is possible in southern Wisconsin, northern Illinois, northeastern Missouri, and eastern Iowa.

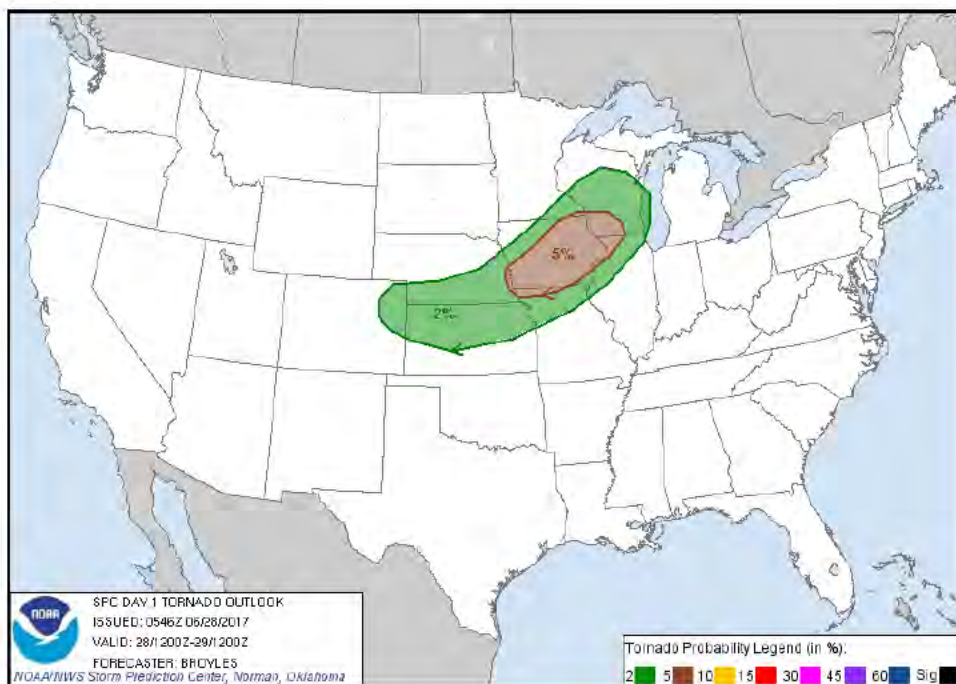


## Severe Weather



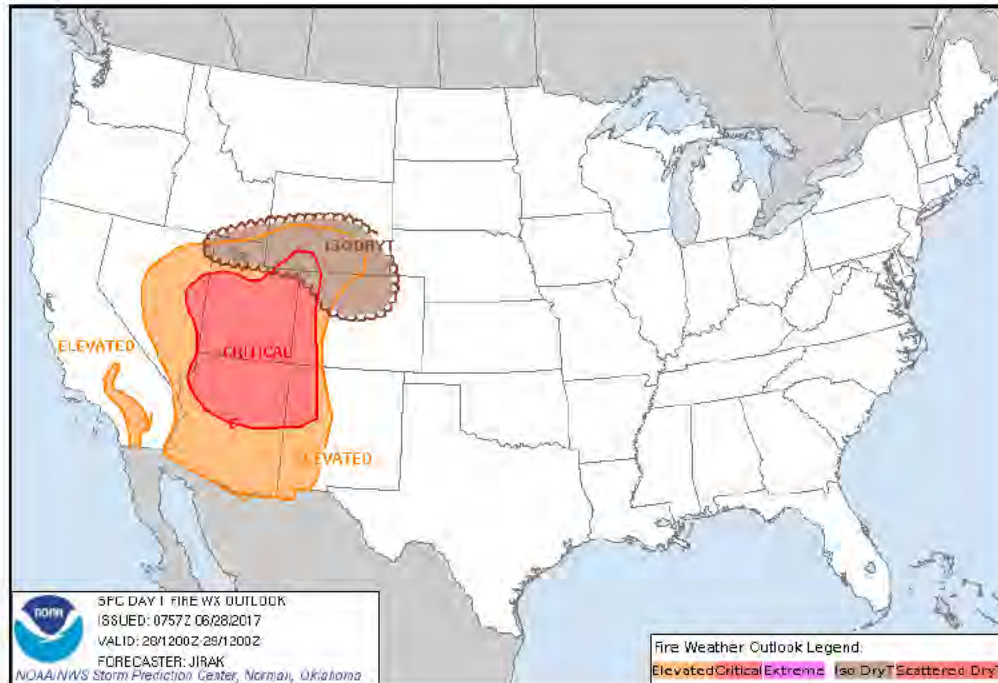
There is an Enhanced Risk of severe thunderstorms throughout most of Iowa, southern Wisconsin, and the eastern edge of Nebraska. A Slight Risk of severe thunderstorms stretches through most of Wisconsin, western Illinois, southern Kansas, eastern Colorado, and the northeast corner of Minnesota. A Marginal Risk of severe thunderstorms extends into the northern Rockies, the central High Plains, and the Great Lakes region.

## Tornado Weather



There is a 5-percent chance of tornado activity today in Iowa and southwestern Wisconsin. There is a 2-percent chance of tornado activity in northern Kansas, northeastern Colorado, and southern Nebraska.

## Fire Weather



There is Critical Fire Weather forecast for today across portions of northern Arizona, most of Utah, western Colorado, and northwestern New Mexico. There is Elevated Fire Weather forecast for Arizona, eastern Nevada, western New Mexico, western Colorado, Utah, southern Wyoming, and southern California. There are Isolated Dry Thunderstorms forecast across southern Wyoming, northern Utah, and northwestern Colorado.

## Tropical Weather Update

Source: National Weather Service/National Hurricane Center - June 28, 2017

### Eastern Pacific Ocean - Tropical Storm Dora

As of 5:00 a.m. EDT, Tropical Storm Dora was located approximately 295 miles to the southwest of the southern tip of Baja, California and moving west-northwest at 10 miles per hour. This general motion is expected to continue through Thursday. Maximum sustained winds have decreased to 40 miles per hour, and Dora is expected to degenerate to a remnant low later today. There are no coastal watches or warnings in effect.



HURREVAC Image

## **Other News and Notes**

### **Worldwide Cyber Event**

Source: Department of Homeland Security (DHS) National Operations Center (NOC) - June 28, 2017

There are reported incidents of the Global Petya Ransomware affecting networks in the U.S., the United Kingdom, Europe, and Asia. Impacted entities include governmental, financial, transportation and energy sectors. Although there are accounts of U.S. victims, there are no indications of risk to public safety at this time.

### **United States**

Facilities in the ports of Mobile, AL; New York, NY; Los Angeles/Long Beach, CA; Port Elizabeth, NJ; Miami, FL; and Tacoma, WA have all been affected by a ransomware attack. Container loading and offloading at all of these facilities continue; however, all ground traffic onto and off of port facilities has stopped.

The Department of Health and Human Services reports three instances of the Petya Ransomware: two in PA and one in WV. The National Cybersecurity and Communications

Integration Center (NCCIC) has not received any requests for assistance. The NCCIC is operating under enhanced coordination procedures and a Mission Manager has been established. The FBI is the lead investigative agency.

### **Denmark**

Maersk stopped all incoming and outgoing emails and internet usage to the entire fleet of U.S. and foreign flagged Maersk vessels in order to mitigate the risk of the ransomware. All sites are operating manually with no work stoppage. There are no reports of any impacts to vessels by the ransomware.

### **Norway**

Norway's national security authority reports a ransomware attack affected an unnamed international company.

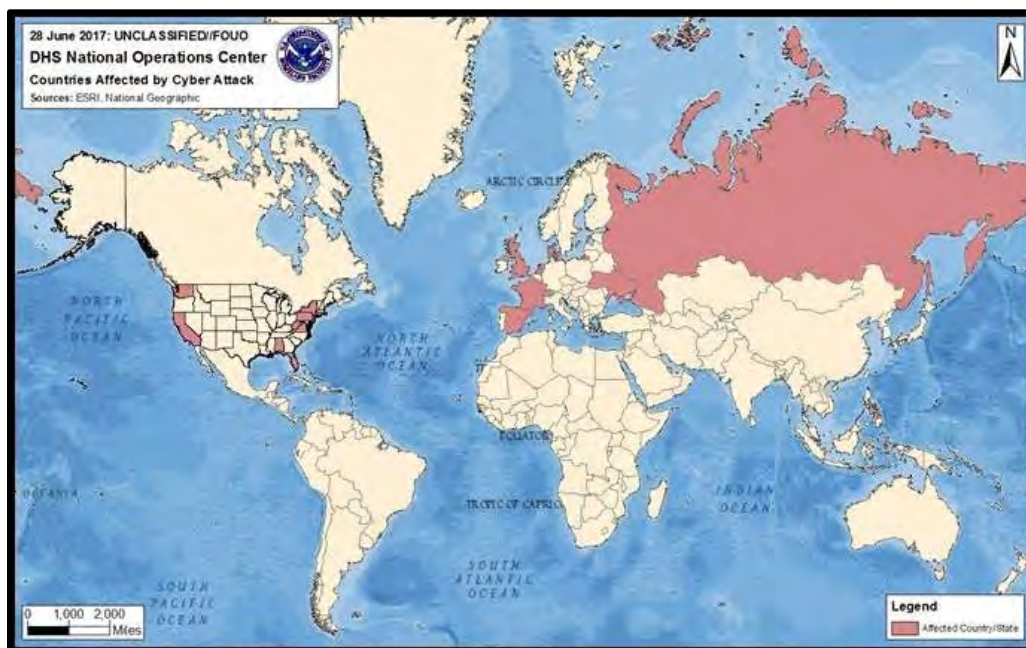
### **Ukraine**

Media sources report Ukraine's cyber police unit believe the ransomware first spread through an update to a piece of Ukrainian accounting software. Approximately 60 percent of the infections occurred in the Ukraine.

### **Russia**

The Russian state oil company Rosneft is also reportedly impacted by a large-scale cyberattack affecting the company's servers. No oil production or preparation processes were stopped due to the attack.

The National Infrastructure Coordinating Center reports there are no reported major impacts to national critical infrastructure. NPPD's Infrastructure Protection – Protective Security Advisor continues to monitor the cyberattack and provide situational awareness updates, as needed.



*DHS Image*

*\*End of Report\**

**Distribution:**

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

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Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, June 29, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 29, 2017*

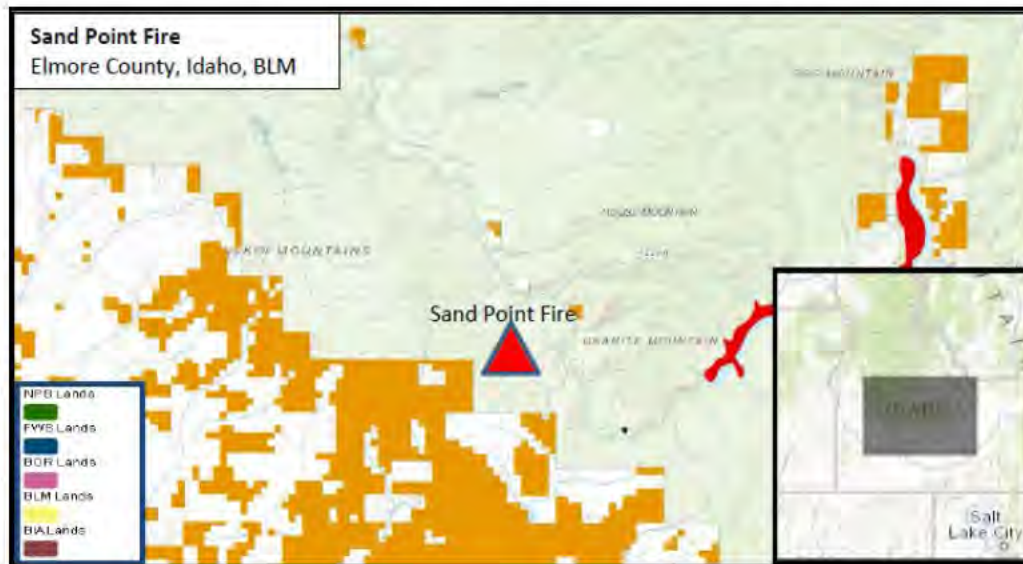
The **Yeti Fire** (Idaho) has reached 100-percent containment overnight; therefore, the fire will no longer be summarized in this report.

## Idaho Fires

### **Sand Point (Initial)**

- Start Date: June 28
- Location: Elmore County, Idaho (BLM)
- Burned Acres: 7,800
- Containment: 20-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 107 / 93
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 1

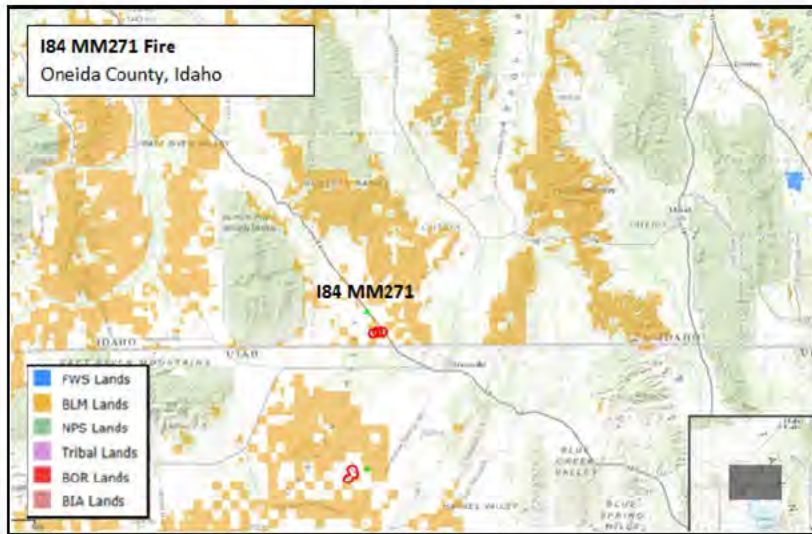
Comments: The fire was active and running during the reporting period. Full suppression is being provided for the safety of firefighters, and there is minimal impact to resources. The crews and helicopters need to continue line construction, securing the line and mop-up.



#### I84 MM271 Fire

- Start Date: June 27
- Location: Oneida County, Idaho (BLM)
- Burned Acres: 3,000 (+522)
- Containment: 75-percent (+10)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 31 (-28) / 29 (-18)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 29

Comments: Fire behavior was described as minimal during this reporting period, and full containment is expected today.



IGEMS Image

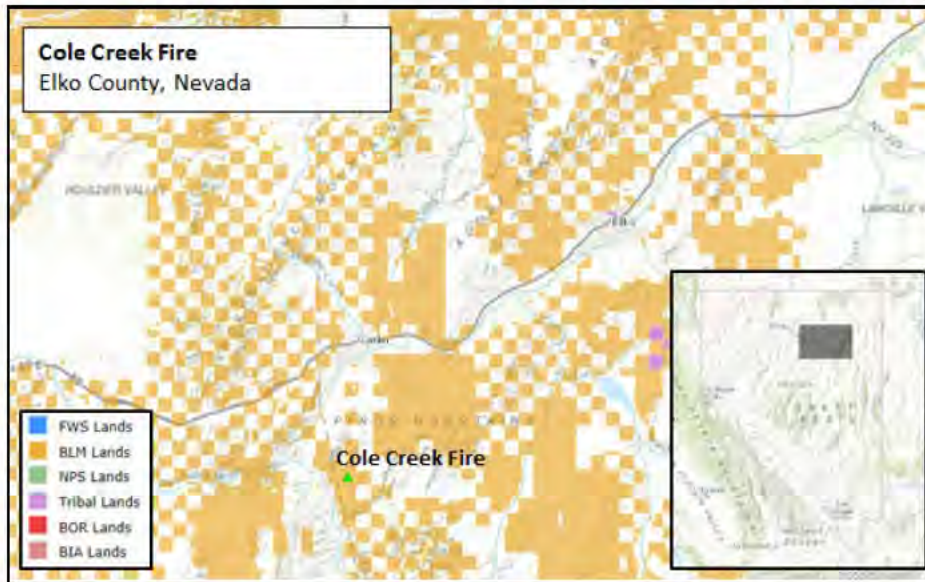
## Nevada Fires

### **Cole Creek Fire**

- Start Date: June 26
- Location: Elko County, Nevada
- Burned Acres: 6,195 (+1,695)
- Containment: 70-percent (+10)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 257 (+26) / 40 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 3 (-1) / 1 (+1)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 3

Comments: Fire behavior was described as active during this reporting period, with wind driven runs and uphill runs. The fire is expected to move east and to the north with impacts to grazing allotments, sage-grouse habitat, and mining infrastructure.





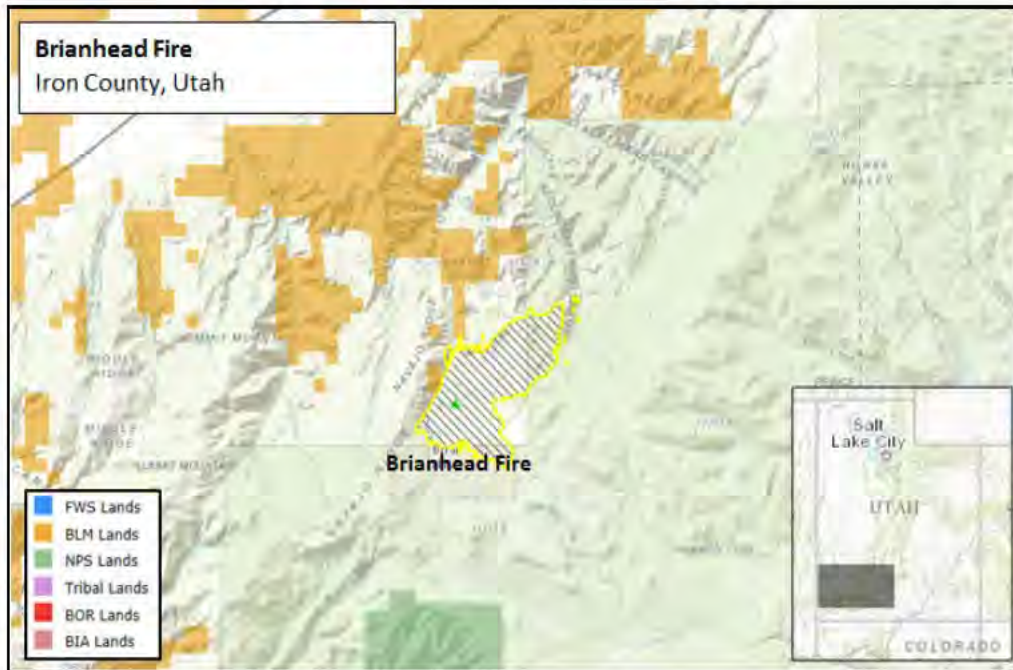
IGEMS Image

## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah
- Burned Acres: 54,202 (+4,576)
- Containment: 15-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,729 (+124) / 358 (-36)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,115 (no change) / 41 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 17 (+2) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was described as extreme during this reporting period. There is a moderate threat to 600+ structures in the Panguitch Lake, Blue Springs, and surrounding areas, with a potential threat to residences in Mammoth Creek. Also, there is an imminent threat to residences and culinary water supply in Red Creek and a minimal threat to the town of Brian Head.

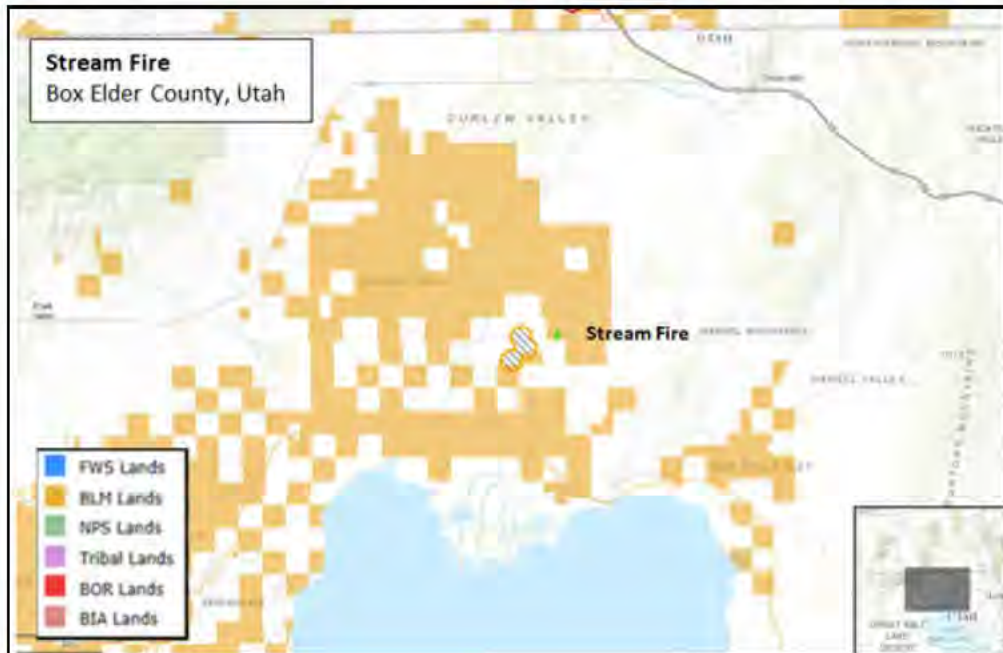


IGEMS Image

### Stream Fire (Final)

- Start Date: June 27
- Location: Box Elder County, Utah (BLM)
- Burned Acres: 8,146 (no change)
- Containment: 80-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 42 (-3) / 6 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 29

Comments: Fire behavior was described as minimal during this reporting period. The fire continued interior burning and smoldering. While mop up continued along the fire line, patrol for hotspots ensued. Threatened resources include wildlife and grazing habitat, as well as potential sage grouse habitat. This is the final update for this fire as it has transitioned from a full suppression strategy and is expected to reach full containment today.



IGEMS Image

## Washington Fires

### **Sutherland Canyon Fire**

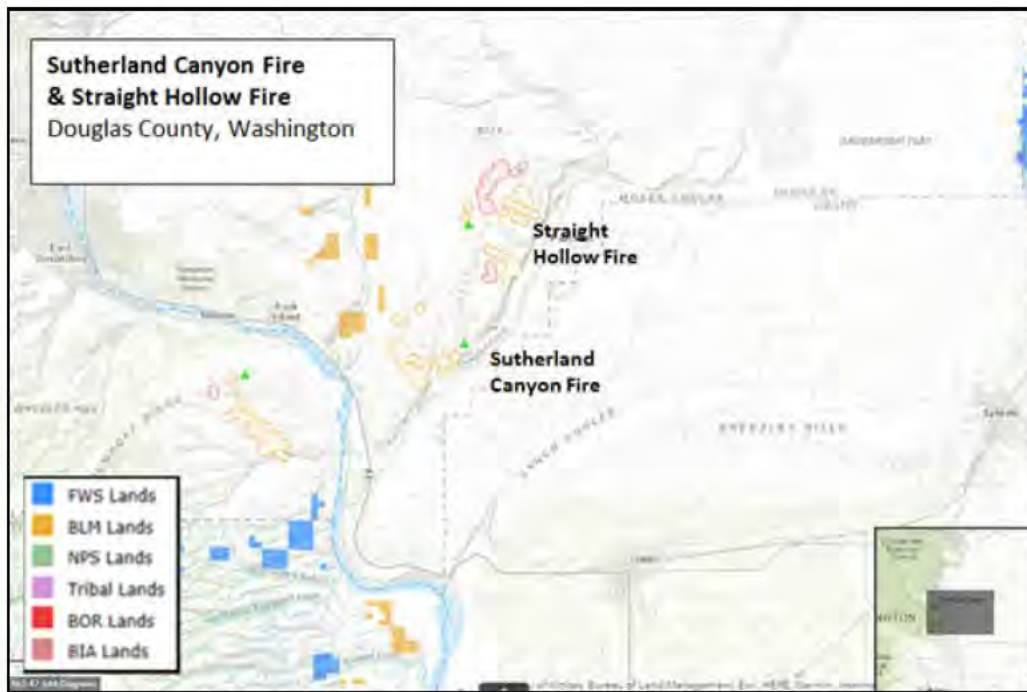
- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 15,000 (+13,500)
- Containment: 10-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 20 (-4) / 0 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 10 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 2

Comments: Fire behavior was described as active during this reporting period, with daily wind patterns shifting in the afternoon. There are threats to commercial and agricultural infrastructure, firefighter and public safety, and sage grouse and sensitive plants.

## Straight Hollow Fire

- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 7,000 (+2,000)
- Containment: 15-percent (+5)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 2 (no change) / 0 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 2

Comments: Fire behavior was described as extreme during this reporting period. The fire spread is normal, with daily wind patterns shifting in the afternoon. Fire lines have been established and constructed lines are being improved.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – June 29, 2017

Effective yesterday at 4:00 p.m. EDT, the National Multi-Agency Coordination Group (NMAC) increased the National Preparedness Level (PL) from PL 2 to PL3. This increase is due to the increase of Wildland Fire Activity in the Southwest, the Great Basin, southern California, the Northwest, Alaska, and the Southern Areas.

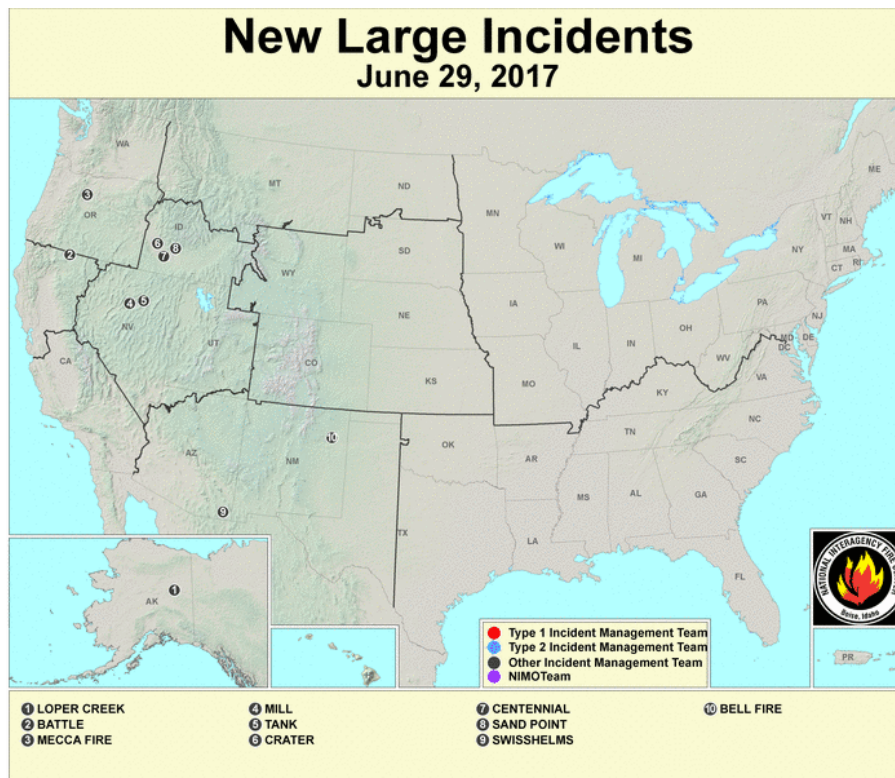
### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (162 new fires)
New large fires:	9
Large fires contained:	4
Uncontained large fires: **	27
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

#### Large Fire Map



## **U.S. Bureau of Reclamation Dam Response Activity**

### **Response Level 2 - Anchor Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 28, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is operating appropriately, and there are no concerns with the dam safety. As of June 28, the reservoir water surface (RWS) elevation was 6,411.84 feet and declining, with the downstream flow in Owl Creek at 227 cfs. The flow rate in Owl Creek has been fluctuating with the cyclic warming and cooling of the day. On June 27, the average daily inflow to the Anchor Reservoir was 241 cfs, and the discharge was 217 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 28, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the RWS elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The Boysen Dam is located on the Wind River, approximately 17 miles to the south of Thermopolis, Wyoming.

The USBR's Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between an elevation 4,725.0 feet and 4,732.2 feet, releases from the dam will be coordinated with the U.S. Army Corps of Engineers. As of June 28, the RWS elevation was 4,728.88 feet, and the reservoir storage was approximately 820,229 acre-feet (AF). On June 25, the reservoir inflow was calculated to be 9,098 cfs, and releases were 8,989 cfs.

A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 28, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of June 28, the RWS elevation was 5,795.3 feet, and the reservoir storage was 122,970 AF. As of June 27, inflows to the reservoir were 1,759 cfs, and releases were 346 cfs.

A Response Level 1 is the lowest of the Reclamation response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the Buffalo Bill Dam and provide updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 28, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the rise in the reservoir exceeding 0.50 feet in a 6-hour period. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody. Warm weather and a higher than average snowpack is causing high runoff, and the reservoir is continuing to rise.

As of June 28, the RWS elevation was 5,390.6 feet. As of June 27, inflows to the reservoir were 8,138 cfs, releases were 5,452 cfs, and the reservoir storage was 620,940 AF.

A Response Level 1 is the lowest of the Reclamation response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at Buffalo Bill Dam and provide updates as warranted.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Some previous explosions have been preceded by an increase in earthquake activity that allowed for short-term forecasts of imminent significant explosive activity. It is possible for low-level unrest, including explosive activity, to occur that AVO is unable to detect with existing data sources. Such low-level periods of unrest and possible explosions could pose a hazard in the immediate vicinity of the volcano. Bogoslof remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone. There were no significant changes reported during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake level is rising in concert with inflationary tilt and was about 98 feet below the floor of Halema‘uma‘u on Wednesday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## **Earthquake Activity**

*Source: United States Geological Survey - June 29, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.0 earthquake occurred this morning at 3:03 a.m. EDT, approximately 497 miles to the northeast of Auckland, New Zealand at a depth of 244 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. There was no tsunami generated from this event.

The USGS reported that a magnitude 6.0 earthquake occurred yesterday afternoon at 2:20 p.m. EDT, approximately 82 miles to the south of Raoul Island, Kermadec Islands at a depth of 6 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. There was no tsunami generated from this event.

## **Significant National Weather**

*Source: National Weather Service - June 29, 2017*

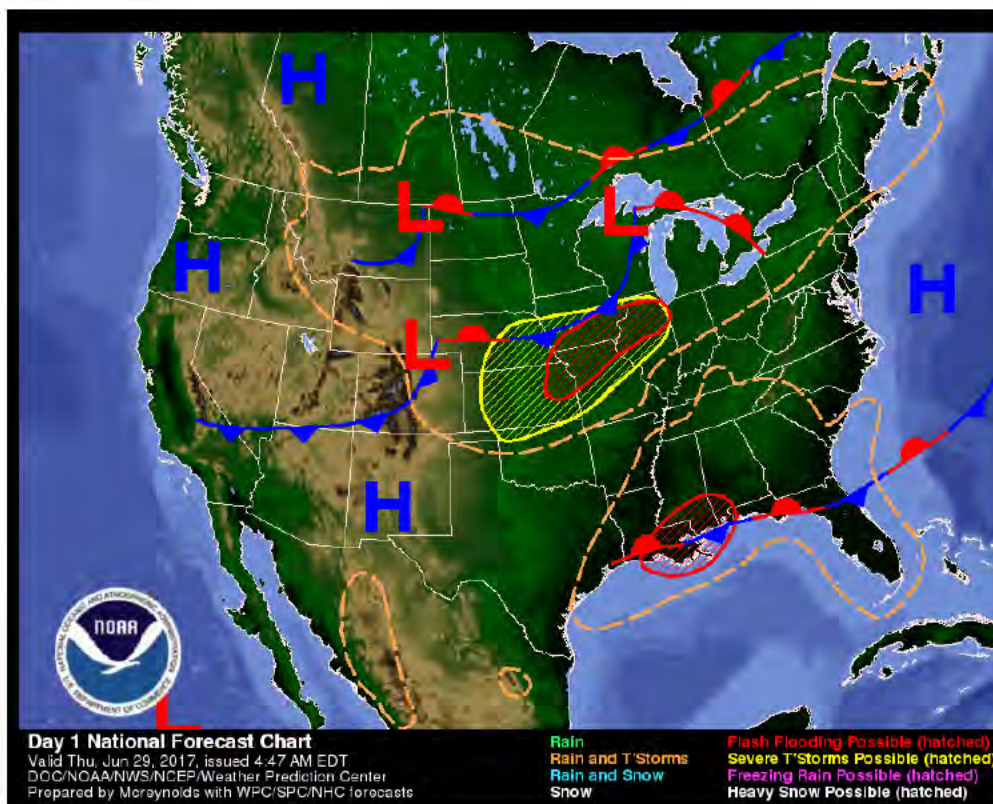
### **Today**

Rain and thunderstorms will develop across the Gulf Coast states and portions of the southern Appalachians. Heavy rain and flash flooding will be possible for the central Gulf Coast region. One weather system will move through the Great Lakes, the Midwest, the central Plains, and the Four Corners area, while a second system will begin to drop into the northern Plains and the upper Midwest. Rain and thunderstorms will develop from New England to the central and northern Great Plains and the northern Rockies. Scattered significant severe thunderstorms are possible late this afternoon into this evening across the central Plains, accompanied with large hail and damaging winds. Isolated strong to severe thunderstorms are also possible across the Midwest, southern Great Lakes, central High Plains, and Wyoming. Heavy rain and flash flooding will be possible across portions of the Midwest and the mid-Mississippi Valley. High pressure will produce fair and dry weather from the Rockies to the West Coast.



## Tomorrow

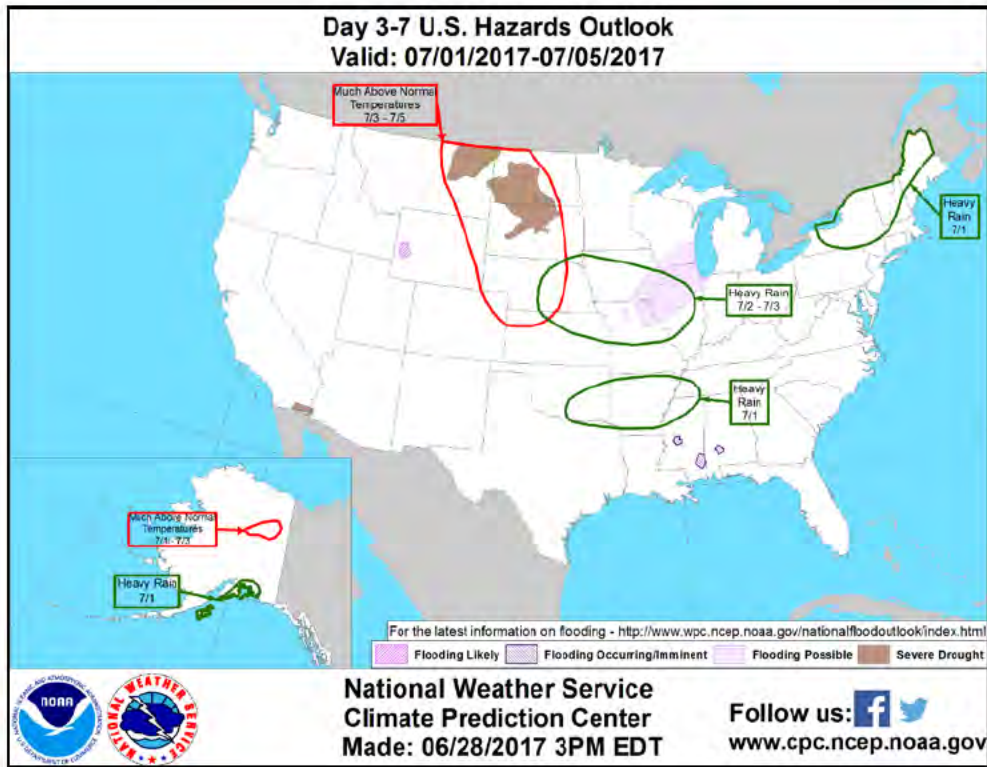
Widespread showers and thunderstorms will develop from the upper Midwest, the Great Lakes, and New England, south to the lower Mississippi Valley, the deep South, and the Southeast. Scattered severe thunderstorms, some significant, are most likely from northeastern Oklahoma into southwestern Missouri and northwestern Arkansas in the afternoon and evening. Other isolated severe thunderstorms, capable of large hail or damaging winds, are likely from western New York into lower Michigan, and also across northeastern New Mexico and southeastern Colorado. Heavy rain capable of producing areas of flash flooding will extend from northeastern Oklahoma into southern Missouri. High pressure will keep the weather fair and dry from the Rockies to the West Coast.



## Weather Hazard Assessment

- July 1: Heavy rain for parts of the Northeast, the lower Mississippi Valley, and southeastern Oklahoma.
- July 1: Heavy rain for parts of Kodiak Island, the Kenai peninsula, and the Prince William Sound.
- July 1-3: Much above normal temperatures for the upper Yukon Valley of Alaska.
- July 3-5: Much above normal temperatures for parts of the northern and central Great Plains.

- July 6-7: Excessive heat for parts of the central U.S.
- July 6-8: Slight risk of much above-normal temperatures for parts of the central and eastern U.S.
- July 6-9: Slight risk of much above-normal temperatures for parts of eastern mainland Alaska.
- Severe Drought across California, Hawaii, the Northern Plains, and the Southwest.

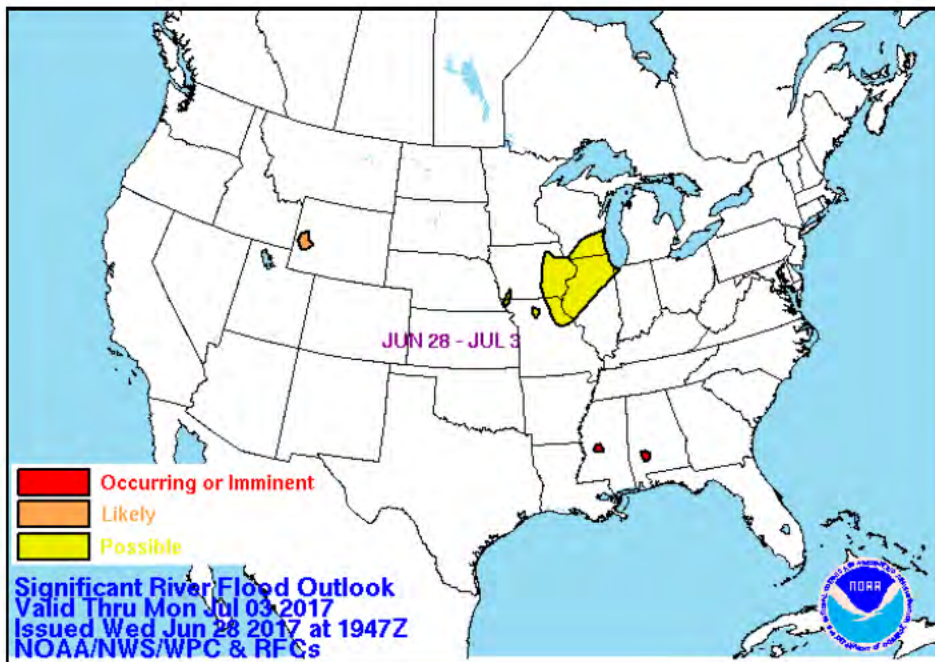


# Alaska Weather



There is a Gale Warning in effect for Barren Islands East to Cape Clear. A Small Craft Advisory is in effect from Kiska to Attu and Sitkinak to Cape Decision. There is a Brisk Wind Advisory from the Barrows area to Demarcation Point.

## Significant River Flooding



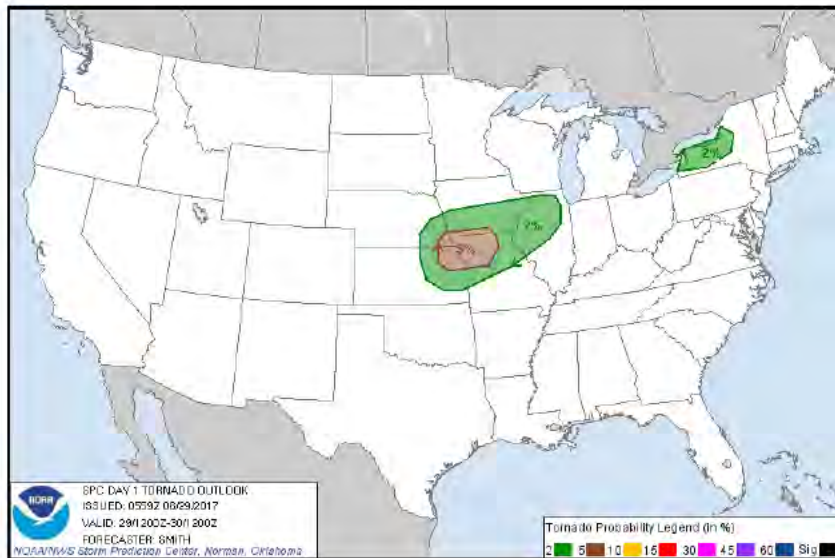
Significant River Flooding is occurring or likely today in western Wyoming, central Mississippi, and southwestern Alabama. Significant River Flooding is possible in southern Wisconsin, northern Illinois, northeastern Missouri, southwestern and eastern Iowa.

### Severe Weather



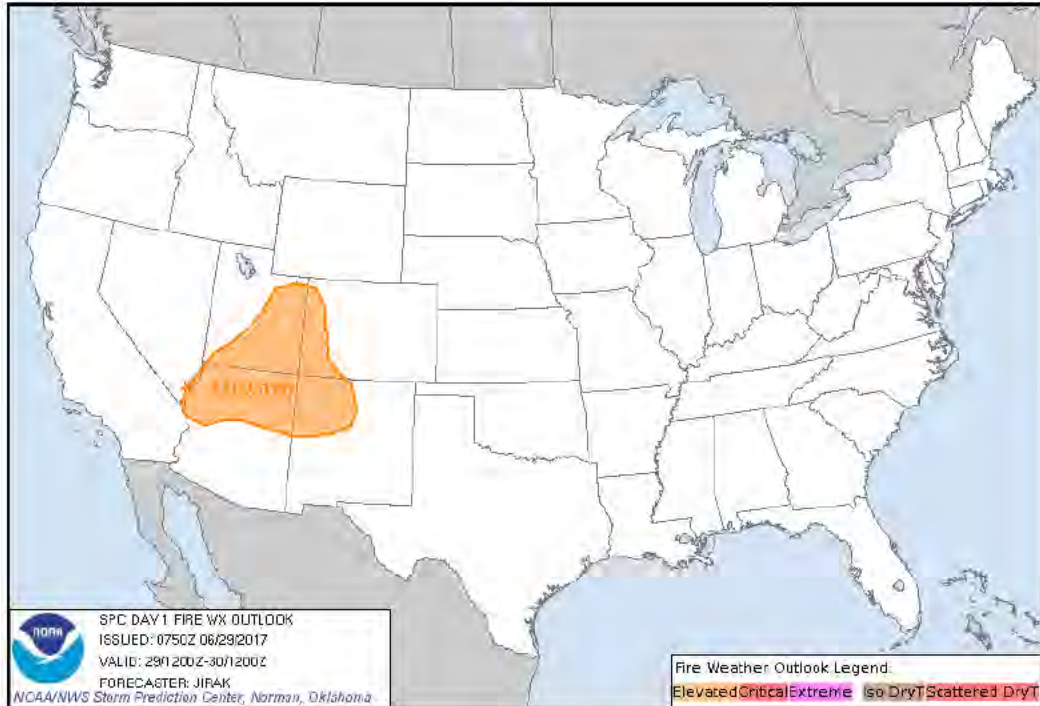
There is an Enhanced Risk of severe thunderstorms for northeastern Kansas, northern Missouri, southern Iowa, and southeastern Nebraska. A Slight Risk of severe thunderstorms from the central Plains into the middle of Mississippi Valley. A Marginal Risk of severe thunderstorms exists across the central High Plains, Midwest, and into the lower Great Lakes.

### Tornado Weather



There is a 5-percent chance of tornado activity today in northeastern Kansas, northern Missouri, southern Iowa, and southeastern Nebraska. There is a 2-percent chance of tornado activity in northeastern Kansas, northern Missouri, southeastern Nebraska, southern Iowa, northern Illinois, and western New York.

## Fire Weather



There is no Critical Fire Weather forecast today across the United States; however, there is an area of Elevated Fire Weather covering portions of Utah, northern Arizona, western Colorado, and northwestern New Mexico.

## Other News and Notes

### **Worldwide Cyber Event (Closeout)**

Source: Department of Homeland Security (DHS National Operations Center (NOC) – June 29, 2017

The Global Petya Ransomware attack affected computer systems and networks in 65 countries including the U.S., the U.K., and numerous countries throughout Europe and Asia. A complete list of all the countries affected by the ransomware has not been released. Impacted entities include governmental, financial, transportation, and energy sectors. There are no indications of risk to public safety.

## **United States**

APM Terminals report their facilities in Los Angeles, CA; Mobile, AL; Miami, FL; Tacoma, WA; and Elizabeth, NJ are returning to normal operations. There are no additional marine terminals affected. Container loading and offloading at affected facilities continue; however, ground traffic onto and off port facilities has stopped.

The U.S. Coast Guard reports that there are no changes in maritime security levels. The National Cybersecurity and Communications Integration Center (NCCIC) report there was no malicious activity found on government systems. The NCCIC is operating under enhanced coordination procedures and a Mission Manager has been established. The Federal Bureau of Investigation is the lead investigative agency.

## **Denmark**

The Maersk Company has restored bidirectional communications to its entire fleet of U.S. and foreign-flagged vessels. All Maersk sites are operating manually and report no work stoppages. There are no reports of any impacts to vessels by the ransomware. Denmark claims the ransomware incident is contained. Maersk continues to work towards a technical recovery plan with IT-partners and global security agencies to reinstate services safely and without further disruption.

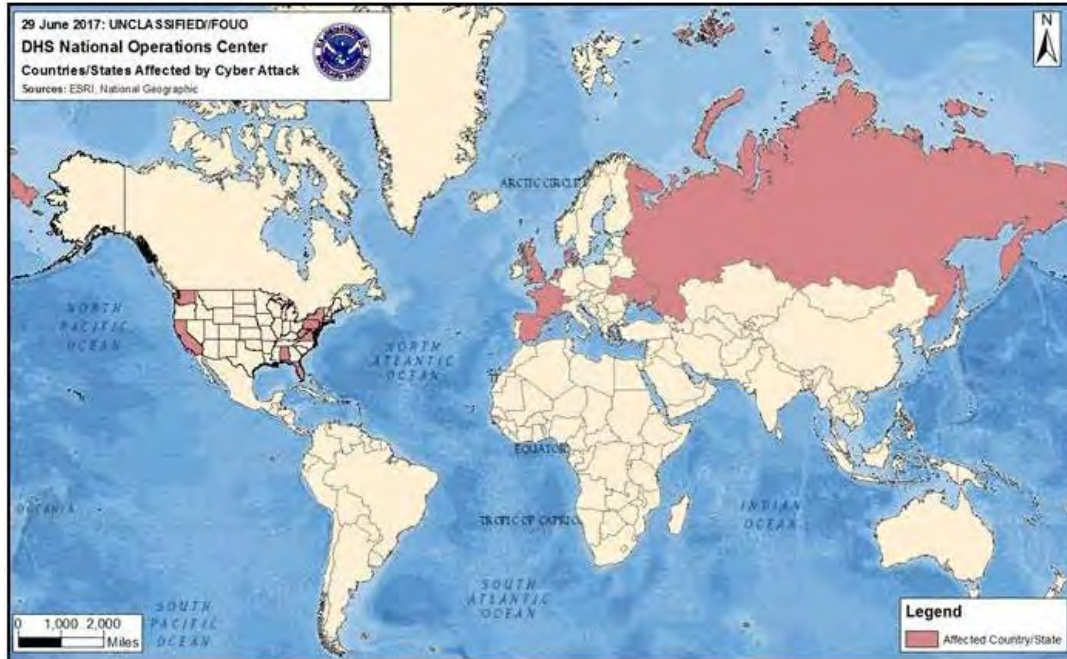
## **Ukraine**

Media sources report Ukraine's cyber police unit believes the ransomware first spread through an update to a piece of Ukrainian accounting software. Approximately 60 percent of the infections occurred in Ukraine.

## **Russia**

Media sources report the cyberattack caused no serious problems at either a state or corporate level in the country.

The National Infrastructure Coordinating Center reports there are no reported major impacts to national critical infrastructure. The DHS National Protection and Programs Directorates Infrastructure Protection – Protective Security Advisor continues to monitor the cyberattack and provide situational awareness updates, as needed.



DHS Image

***\*End of Report\****

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- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, June 30, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - June 30, 2017*

The **I84 MM271 Fire** (Idaho) reached 100-percent containment yesterday and will no longer be summarized in this report.

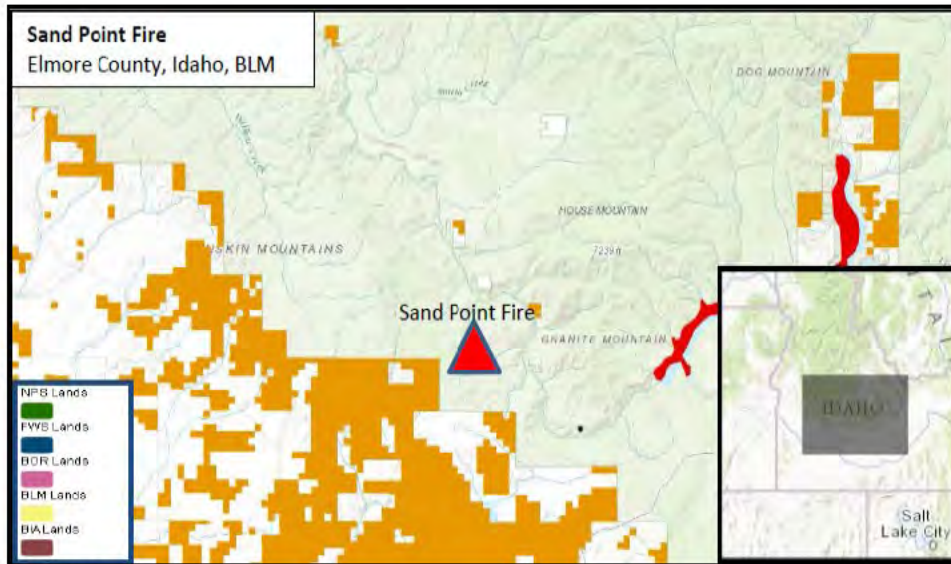
## Idaho Fires

### **Sand Point (Final)**

- Start Date: June 28
- Location: Elmore County, Idaho (BLM)
- Burned Acres: 7,800 (no change)
- Containment: 50-percent (+30)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 54 (-53) / 50 (-43)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-1) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 29



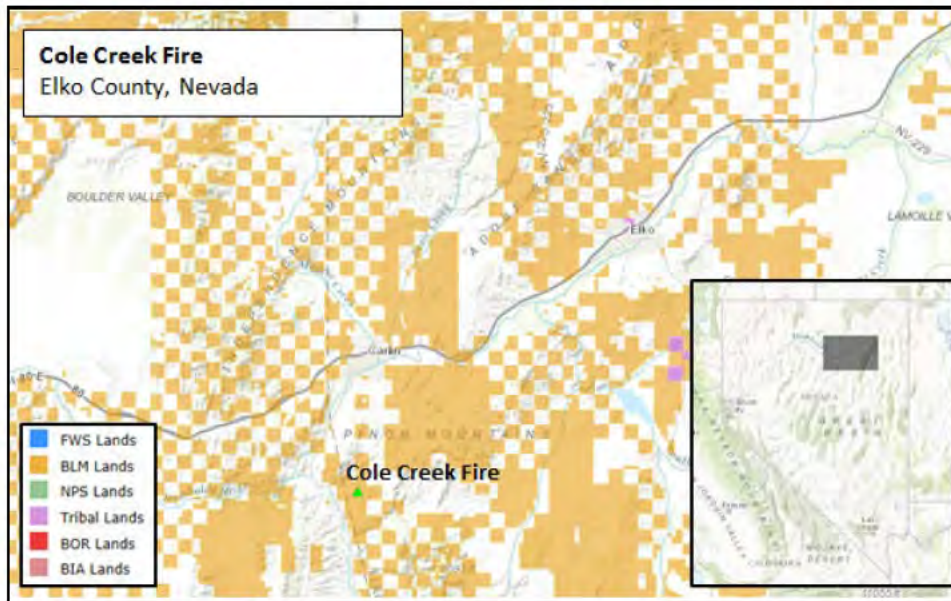
Comments: The fire behavior was described as minimal and smoldering during the reporting period, and full containment was expected yesterday. Additional reporting will not occur unless conditions change.



IGEMS Image

## Nevada Fires

### Cole Creek Fire (Final)



IGEMS Image

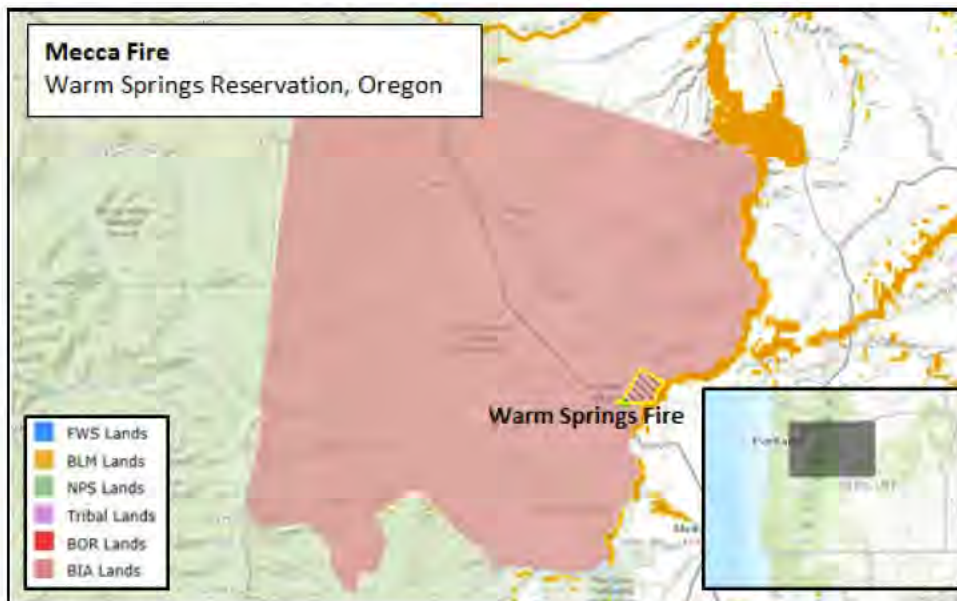
- Start Date: June 26
- Location: Elko County, Nevada
- Burned Acres: 6,195 (no change)

- Containment: 90-percent (+20)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 255 (-2) / 56 (+16)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-3) / 0 (-1)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: June 30

Comments: There was a minimal increase in fire behavior during this reporting period, and the conditions in the fire area were described as windy, with low humidity. The priority objectives are firefighter and public safety and to protect high value natural resources near the fire. The resources include sage-grouse habitat, past seeding treatments, crucial mule deer winter range, and grazing areas. Full containment is expected today.

## Oregon Fires

### Mecca Fire (Initial Report)



IGEMS Image

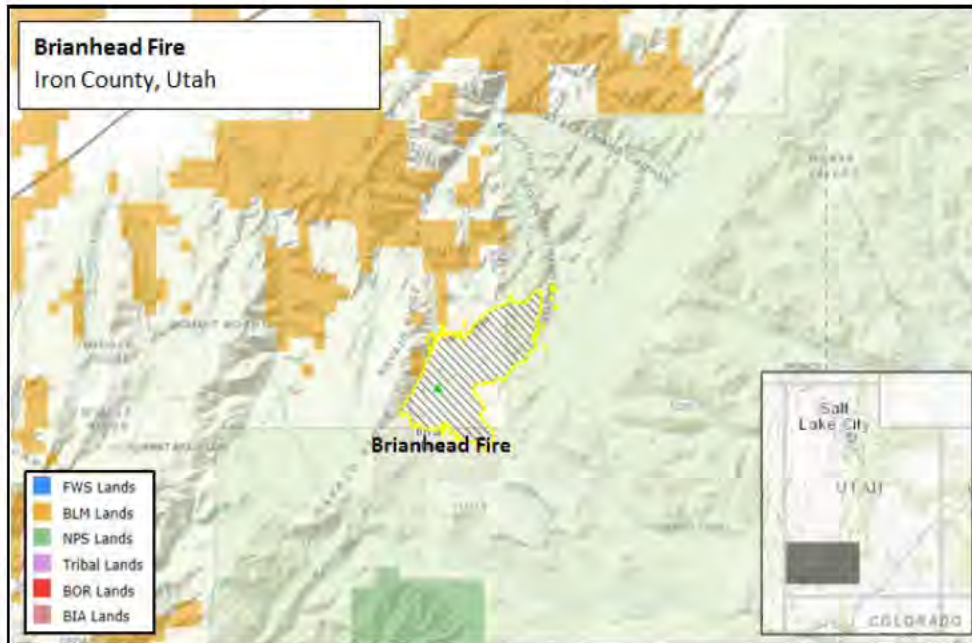
- Start Date: June 25
- Location: Warm Springs Reservation, Oregon (BIA)
- Burned Acres: 2,400
- Containment: 65-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 72 / 8
- Structures Threatened-Single-Mixed Residential/Commercial: 17 / 1
- Evacuations / Sheltered in place: 12 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0

- Containment Date: July 8

Comments: Minimal fire activity was observed during this reporting period, and additional perimeter growth is not expected. There is a potential hazardous material risk at an old mill site in the fire area.

## Utah Fires

### **Brianhead Fire**



IGEMS Image

- Start Date: June 17
- Location: Iron County, Utah
- Burned Acres: 58,319 (+4,117)
- Containment: 20-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,800 (+71) / 391 (+33)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,115 (no change) / 41 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 23 (+6) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was described as extreme during this reporting period. The threat has been reduced to 500+ structures in the Panguitch Lake, Blue Springs, and surrounding areas, but the residences and improvements in Red Creek area are imminently threatened. The winds are predicted to

shift to the northwest, promoting fire growth to the east and potentially to the southeast. The fire is also continuing to advance to the north.

## **Washington Fires**

### **Sutherland Canyon Fire**

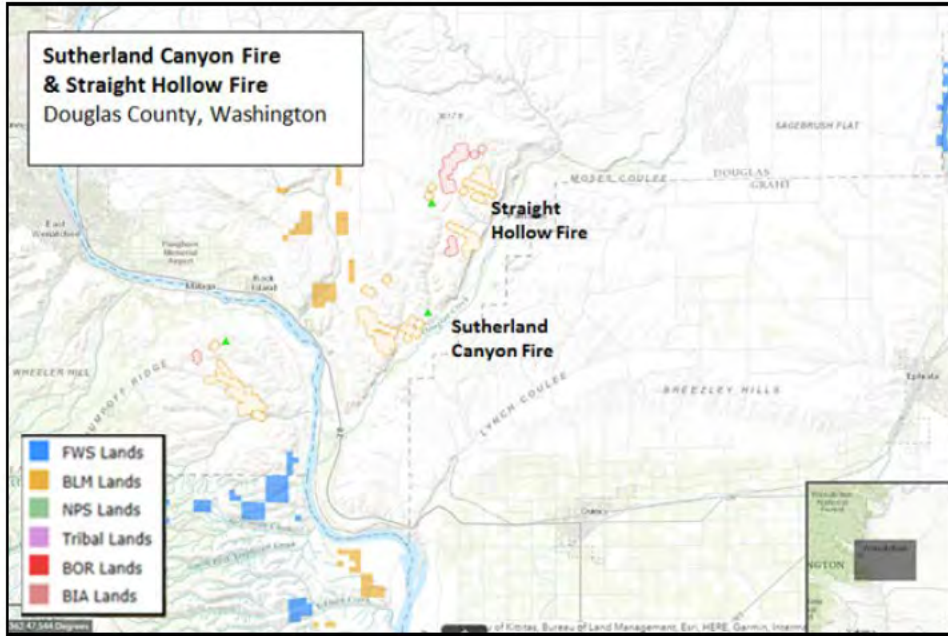
- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 29,433 (+14,433)
- Containment: 50-percent (+40)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 369 (+349) / 5 (+5)
- Structures Threatened-Single-Mixed Residential/Commercial: 10 (no change) / 5 (+5)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 2

Comments: The fire is currently spreading to the southwest, and this movement will continue until construction lines are developed or until the fire burns to a natural fuel break. There are threats to commercial and agricultural infrastructure, firefighter and public safety, sage-grouse habitat, and sensitive plants. The weather forecast indicates an increase in temperatures in the fire area, with low relative humidity and an increase in winds.

### **Straight Hollow Fire**

- Start Date: June 26
- Location: Douglas County, Washington (BLM)
- Burned Acres: 8,458 (+1,458)
- Containment: 75-percent (+60)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 50 (+48) / 7 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 2

Comments: The fire spread was minimal during this reporting period and is expected to remain within the containment lines. The objective is to continue securing the fire edge and conduct mop-up operations.



IGEMS Image

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – June 30, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Light (136 new fires)
New large fires:	10
Large fires contained:	5
Uncontained large fires: **	29
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – June 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

On June 29, an eruption began at the Bogoslof Volcano, but seismicity returned to background levels within about 20 minutes, indicating an end or pause in the eruption. No ash cloud has been detected in satellite data, but infrasound signals suggested that volcanic ash emissions likely occurred. The Aviation Color Code and Volcano Alert Level were not changed and remain at Orange/Watch. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – June 29, 2017*

**Alert Level = WATCH**

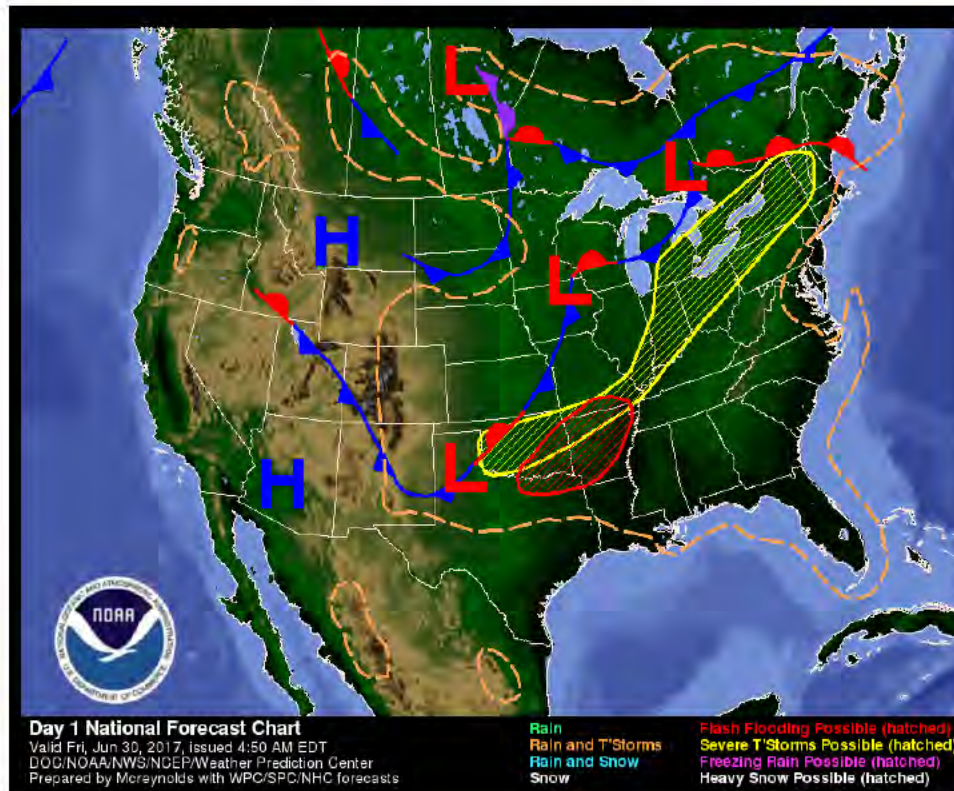
**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These

lava flows are posing no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### ***Significant National Weather***

*Source: National Weather Service - June 30, 2017*



### **Today**

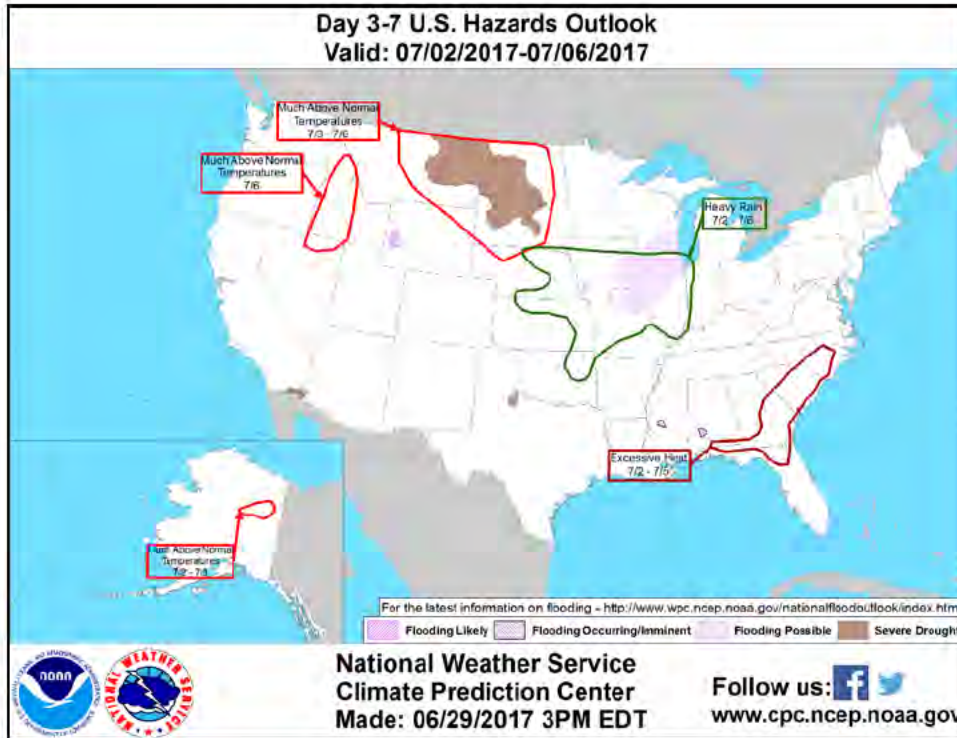
There is a slight chance of severe storms today extending from Oklahoma through northern New England. The greatest threat will be high winds with large hail over the southern Plains. A marginal threat of severe weather extends from Texas to Maine. Heavy rain approaching 4 inches, with the possibility of flash flooding, extends from Texas to southeastern Missouri. High winds are expected near the Four Corners area resulting in elevated fire weather. The Northwest, the northern Rockies, the Far West, and the Southwest will remain dry, but temperatures will remain well above 90 degrees in the San Joaquin Valley and the Great Basin. Temperatures are expected to exceed 110 degrees in the deserts. Humidity levels and temperatures will be above normal to the east of the Mississippi River.

### **Tomorrow**

A frontal system will continue to stretch from the Northeast back through the Ohio Valley into the central Plains and Texas tomorrow. Rain and thunderstorms will develop from the Northeast to the Deep South, then west into the southern and southwestern Plains. Heavy rain and flash flooding will be possible for eastern Oklahoma and the Ozarks. Severe storms are expected from

Oklahoma to the central Mississippi River and for the southern Great Lakes. More showers and thunderstorms are expected across the upper Midwest, portions of the Great Lakes, and the Southeast. Afternoon and evening showers and thunderstorms will develop over portions of the northern Plains and the upper Midwest. Fair and dry weather is expected for the northern Great Plains, the Rockies, and the West Coast.

### Weather Hazard Assessment



- June 30: Flooding is occurring, imminent, or likely for part of the Southeast and Wyoming.
- June 30: Flooding is possible for parts of the middle Mississippi Valley and the Midwest.
- June 30: Severe drought across southern California, Hawaii, and the northern and southern Plains.
- July 2-3: Much above normal temperatures for the upper Yukon Valley of Alaska.
- July 2-5: Excessive heat for parts of the mid-Atlantic and the Southeast.
- July 2-6: Periods of heavy rain for parts of the central and southern Great Plains, the middle Mississippi and Ohio valleys, and the Great Lakes.
- July 3-6: Much above normal temperatures for parts of the northern and central Great Plains.
- July 6: Much above normal temperatures for parts of the Intermountain West and the northern Rockies.
- July 7-9: Moderate risk of much above-normal temperatures for parts of the Intermountain West, the northern Rockies, and the northern Great Plains.
- July 7-9: Slight risk of much above-normal temperatures for parts of the central and southern Great Plains and the central and lower Mississippi Valley.



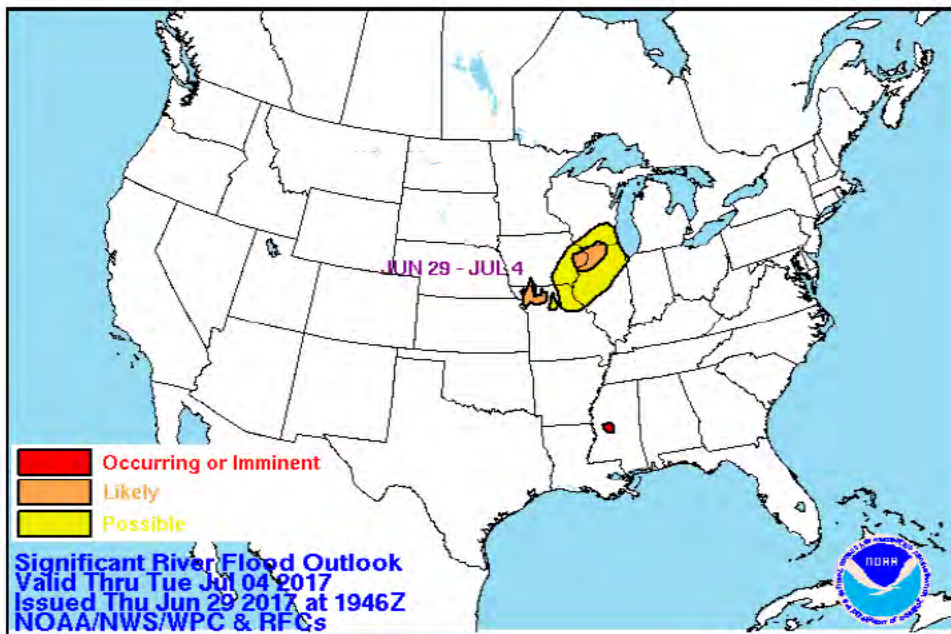
- July 7-13: Slight risk of much above-normal temperatures for the western and north-central U.S. and parts of eastern mainland Alaska.

## Alaska Weather



There is a Gale Warning in effect for the Barren Islands and from Cape Clear to Cape Suckling. A Small Craft Advisory is in effect from Attu to Adak, the Shelikof Strait, the Cook Inlet, from Shuyak Island to Sitkinak, from Cape Clear to Gore Point, and from Cape Suckling to Dixon Entrance. There is a Brisk Wind Advisory in effect from Cape Hallett to Demarcation Point.

## Significant River Flooding



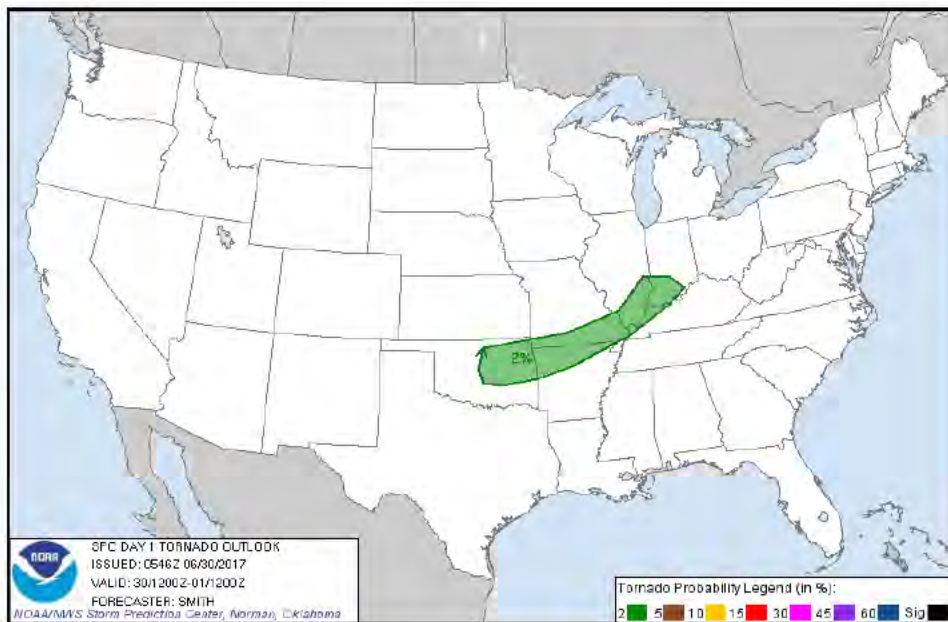
Significant River Flooding is occurring, likely, or possible today in northern Missouri, southeastern Iowa, Illinois, southern Wisconsin, and central Mississippi.

### Severe Weather



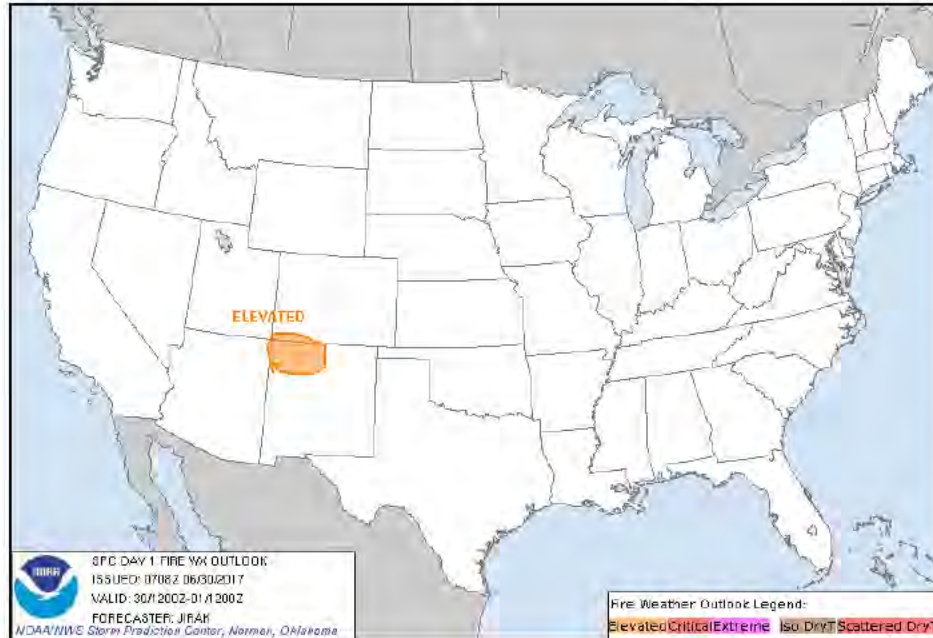
There is a Slight Risk of severe thunderstorms today from Oklahoma to western New England. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area from the southern High Plains to the northeastern U.S.

### Tornado Weather



There is a 2-percent chance of tornado activity today in eastern Oklahoma, northern Arkansas, southern Missouri, southern Illinois, southern Indiana, and western Kentucky.

## Fire Weather



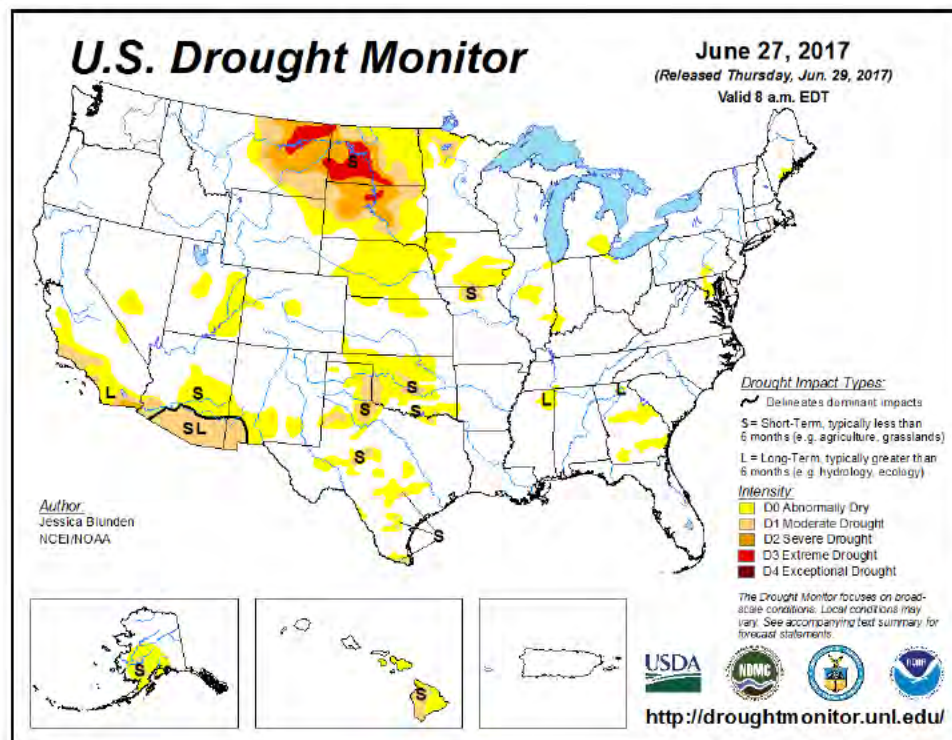
There is no Critical Fire Weather forecast today across the United States; however, Elevated Fire Weather is forecast in southwestern Colorado, northwestern New Mexico, and northeastern Arizona.

## Other News and Notes

### Drought Monitor

Source: *National Drought Mitigation Center – June 29, 2017*

A majority of the rain over the past week fell over the eastern half and southern portions of the U.S., mainly as a result of Tropical Storm Cindy. The storm made landfall near the Louisiana-Texas border on June 22, bringing heavy rains and subsequent flooding to parts of the southern U.S. and the Ohio Valley. The dry areas in the path of Cindy saw immediate improvements. Heat and a lack of rain dominated from the West to the central and the south-central U.S., with temperatures rising into the 90s, 100s, and even into the 120s in some areas. This led to some quickly deteriorating conditions across the heart of the country. Although temperatures were well below normal in the northern Plains, conditions were not improved due to a lack of rain.



***\*End of Report\****

**Distribution:**

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 Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, July 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 3, 2017*

The **Sutherland Canyon Fire** and the **Strait Hollow Fire** in Washington reached 100-percent containment over the weekend and will not be summarized in today's report.

## Arizona Fires

### **Goodwin Fire (Initial)**

- Start Date: June 24
- Location: Yavapai County, AZ (U.S. Forest Service)
- Burned Acres: 27,541
- Containment: 75-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 873 / 113
- Structures Threatened-Single-Mixed Residential/Commercial: 1,400 / 0
- Evacuations / Sheltered in place: 9,000 / 2
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 4 / 0
- Containment Date: July 13

Comments: The Goodwin Fire is a state fire that intersects with a parcel of Bureau of Land Management (BLM) lands. The fire behavior is moderate in thick fuels, rough terrain, and winds are challenging suppression efforts. The fire is in close proximity to several communities.



IGEMS Image

### Hilltop Fire (Initial)

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 8,652
- Containment: 5-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 263 / 147
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 6 / 0
- Containment Date: July 20

Comments: Fire behavior was described as active, with wind driven runs, group torching and short-range spotting, expanding the perimeter to the north and northeast. Weather continues to be hot, dry and breezy. The fire threatens commercial timber, cultural and natural resources, recreation areas, watershed, and wildlife. Two firefighters and one camp crewmember sustain non-life threatening injuries.

## Freeze 2 Fire (Final)

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 2,832 (no change)
- Containment: 94-percent (+24)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 1 (-109) / 1 (-73)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: June 19

Comments: Fire behavior was minimal since the last update on June 19. There are no threats to public safety. There is no damage or destruction to structures, and measures are in place to protect previously identified at-risk structures. Recreation permits remain suspended in San Carlos and Fort Apache to reduce the risk to the public. Due to current and projected minimal activity, this is a final report for this fire.



IGEMS Image

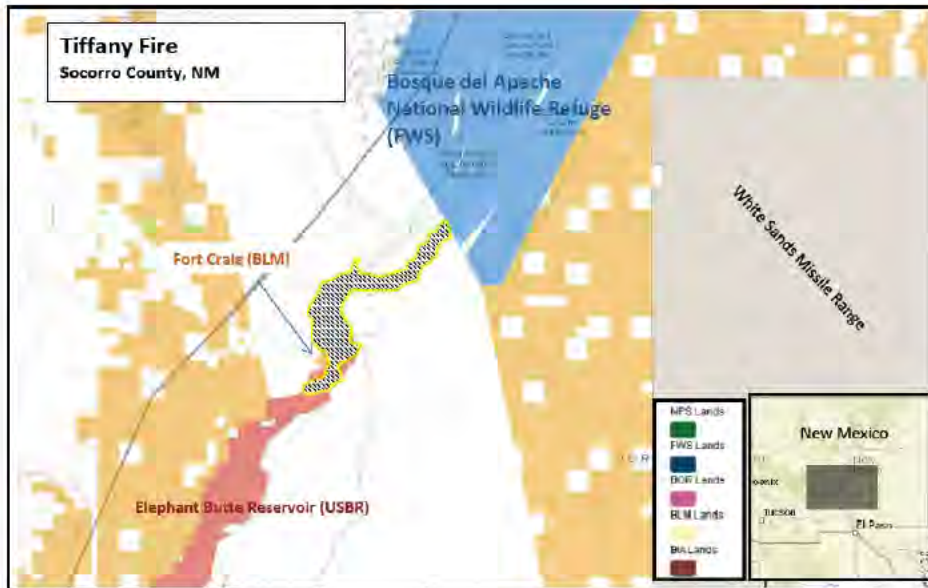
## New Mexico Fires

### Tiffany Fire (Initial)

- Start Date: June 26
- Location: Socorro County, New Mexico
- Burned Acres: 6,495
- Containment: 40-percent

- Management: Type-3 IMT
- Personnel Assigned / DOI: 247 / 32
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 2
- Evacuations / Sheltered in place: 5 / 0
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 6

Comments: The Tiffany Fire was described as active, with group and single tree torching with short range spotting. Fort Craig, a BLM managed historical site, the Bosque del Apache National Wildlife Refuge (FWS), and a Critical Habitat for the Southwest Willow Flycatcher are threatened. Local infrastructure threatened by the fire includes the Burlington Northern and Santa Fe (BNSF) railroad trestle and the El Paso Electric power lines. Weather is forecast as sunny with dry thunderstorms possible, with low humidity. Fire may continue to move north on the west side of the river.



IGEMS Image

## Oregon Fires

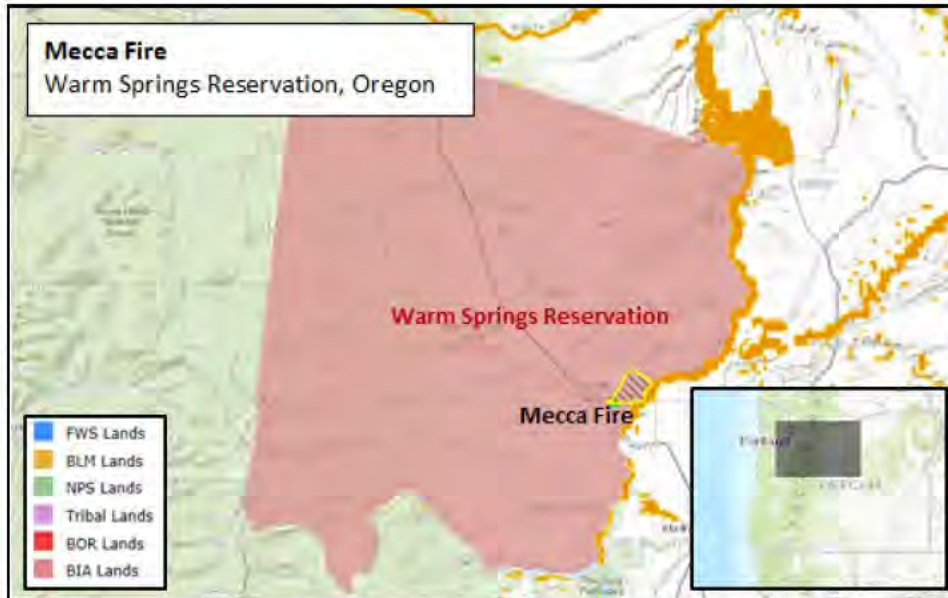
### **Mecca Fire (Final)**

- Start Date: June 25
- Location: Warm Springs Reservation, Oregon (BIA)
- Burned Acres: 2,400 (no change)
- Containment: 80-percent (+10)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 9 (-63) / 7 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-17) / 0 (-1)



- Evacuations / Sheltered in place: 12 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 8

Comments: Minimal fire activity was observed during this reporting period, with fire creeping on the western perimeter. Additional perimeter growth is not expected. Incident Command has issued the final ICS-209 for the fire.



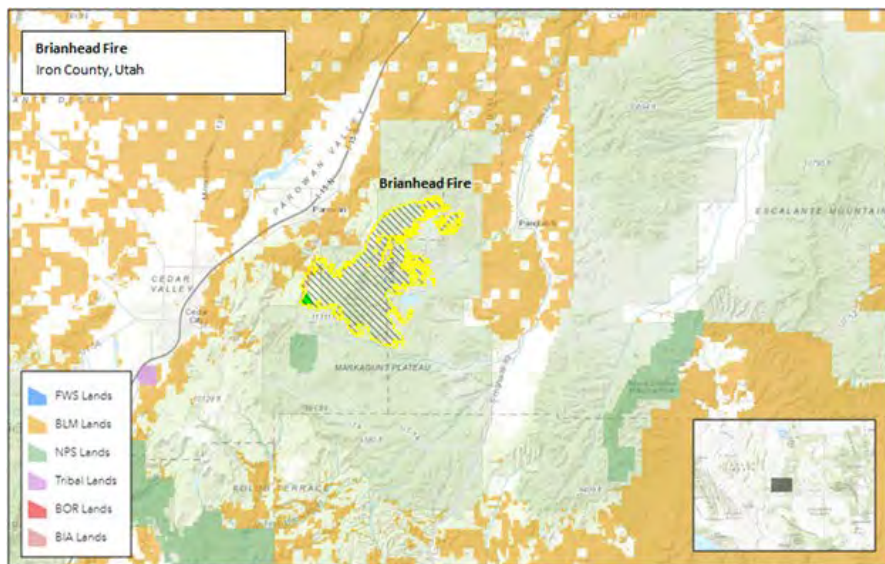
IGEMS Image

## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah (BLM)
- Burned Acres: 65,377 (+7,058)
- Containment: 65-percent (+40)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,789 (-11) / 416 (+25)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,115 (no change) / 41 (no change)
- Evacuations / Sheltered in place: 334 (-1,228) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 24 (+1) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was active with short runs and flanking. Southwest winds continue to push the fire to the east and northeast. The Greater Sage-Grouse habitat has approximately 9,284 acres affected by the fire. The threat to structures continues to abate. Weather continues to be warm and dry, with winds between 5-10 mph.



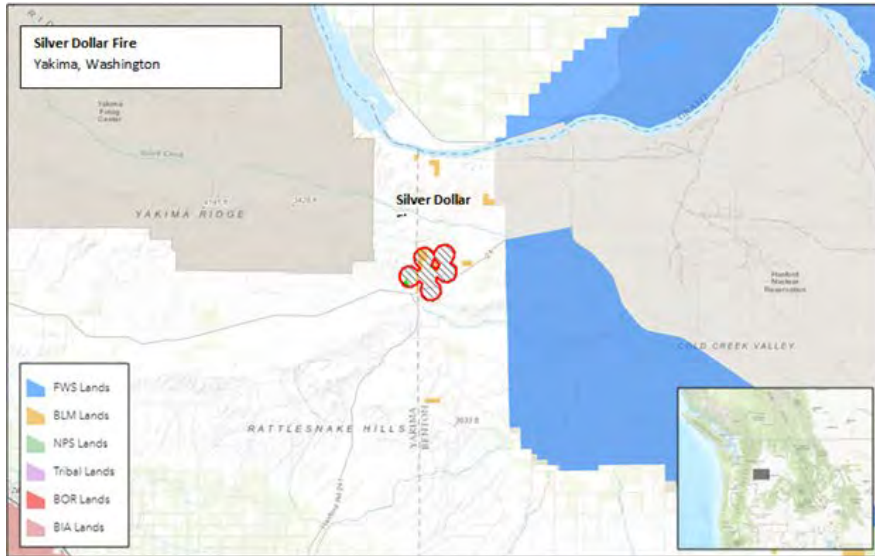
IGEMS Image

## **Washington Fires**

### **Silver Dollar Fire (Initial)**

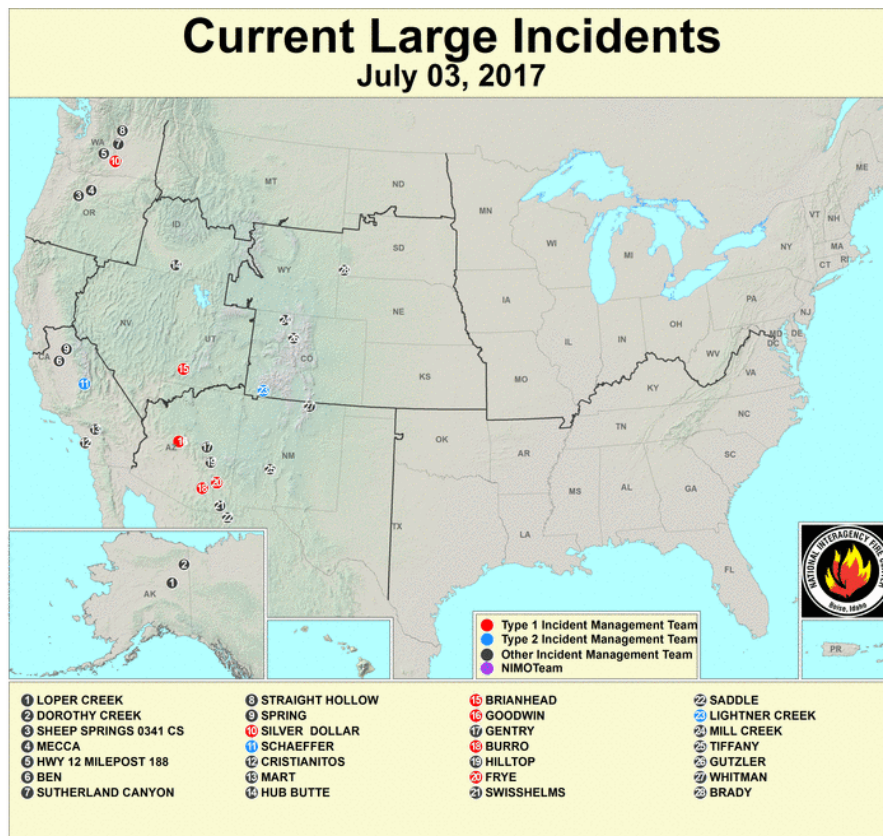
- Start Date: July 2
- Location: Yakima, Washington (BLM)
- Burned Acres: 8,000
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 124 / 29
- Structures Threatened-Single-Mixed Residential/Commercial: 25/ 5
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 7

Comments: Fire behavior was described as active and moving east, with wind driven runs, and spotting during the reporting period. The primary fuel source is brush and tall grass. The Bonneville Power lines and a local Sage Grouse habitat are threatened by this fire. The weather is forecast to be hot and dry over the next several days.



IGEMS Image

## Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 3, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Light (150 new fires)
New large fires:	6
Large fires contained:	4
Uncontained large fires: **	20
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	5
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **U.S. Bureau of Reclamation Dam Response Activity**

#### **Response Level 2 - Anchor Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 30, 2017*

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis.

The dam is operating appropriately, and there are no concerns with the dam safety. As of June 30, the reservoir water surface (RWS) elevation was 6,411.46 feet and declining, with the downstream flow in Owl Creek at 209 cfs. On June 29, the average daily inflow to the Anchor Reservoir was 129 cfs, and the discharge was 184 cfs.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

#### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 30, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the RWS elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The Boysen Dam is located on the Wind River, approximately 17 miles to the south of Thermopolis, Wyoming.

The Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between an elevation 4,725.0 feet and 4,732.2 feet, releases from the dam will be coordinated with the U.S. Army Corps of Engineers. As of June 28, the RWS elevation was 4,728.77 feet, and the reservoir storage was approximately 818,121 acre-feet (AF). On June 29, the reservoir inflow was calculated to be 8,507 cfs, and releases were 9,034 cfs.

A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 30, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton.

As of June 29, the RWS elevation was 5,796.56 feet, with inflows to the reservoir at 1,830 cfs, and releases of 510 cfs. The reservoir storage was 126,669 AF.

The USBR's Wyoming Area Office will continue to monitor the situation at the Buffalo Bill Dam and provide updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: United States Bureau of Reclamation - June 30, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the rise in the reservoir exceeding 0.50 feet in a 6-hour period. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody.

As of June 29, the RWS elevation was 5,390.9 feet, with inflows to the reservoir at 7,347 cfs, releases of 6,693 cfs, and the reservoir storage was 625,759 AF.

The USBR's Wyoming Area Office will continue to monitor the situation at Buffalo Bill Dam and provide updates as warranted.

## **Northeast Regional Flooding**

### **New Hampshire and Vermont Flood Response Summary**

*Source: U.S. Geological Survey - July 2, 2017*

The United States Geological Survey (USGS) is reporting that central New Hampshire and southern-central Vermont are experiencing minor to moderate flooding related to a series of

intense storms that brought up to four inches of rain in less than 12 hours. Currently nine gages are above flood stage in New Hampshire and Vermont. USGS will be deploying personnel to monitor streamflows in central New Hampshire.

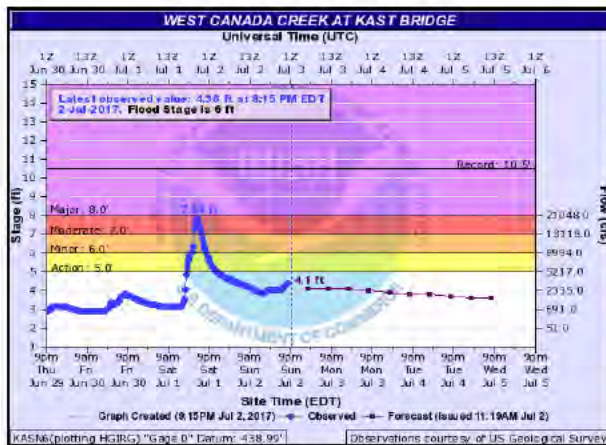
**New York Flood Response Summary**

*Source: U.S. Geological Survey - July 2, 2017*

Minor to major flooding occurred in several basins in central and eastern-central New York from July 1-2, accumulating 3-5 inches of rain in a few hours. The rapid runoff was further magnified by wet conditions from previous rainfall the past several days.

One USGS streamgage reached the major flood category in the Oneida Creek basin. Two USGS streamgages reached the moderate flood category along the West Canada Creek and Metawee River basins. In addition, five USGS streamgages exceeded the minor flood category in central and eastern-central New York. Streamflows at most USGS streamgages peaked on July 1 and are decreasing. Stage-discharge ratings were exceeded at several short-term streamgages.

A total of two USGS crews (4 staff members) from the Ithaca and Troy, New York offices made four high-flow discharge measurements on July 1 for rating calibration. Rating extensions and additional follow-up discharge measurements are planned for Monday, July 3. All equipment is operating properly.



NOAA Graphic West Canada Creek, NY



Residential Flooding New York, Photo Brenda Jackson

**Volcano Activity**

**Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 2, 2017*

**Alert Level = WARNING**

**Color Code = RED**

On July 2, an eruption began at the Bogoslof Volcano, but seismicity returned to background levels within about 16 minutes, indicating an end or pause in the eruption. The ash cloud produced rose up to 36,000 feet and was carried east, over northern Unalaska. Observers in Dutch Harbor reported no noticeable ash fall from the eruption. The National Weather Service issued a Significant Meteorological Information (SIGMET) advisory that has since expired. The Aviation Color Code and Volcano Alert Level were changed and remain at Red/Warning. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. An increase in activity at the volcano could occur at any time, with little to no warning.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### **Significant National Weather**

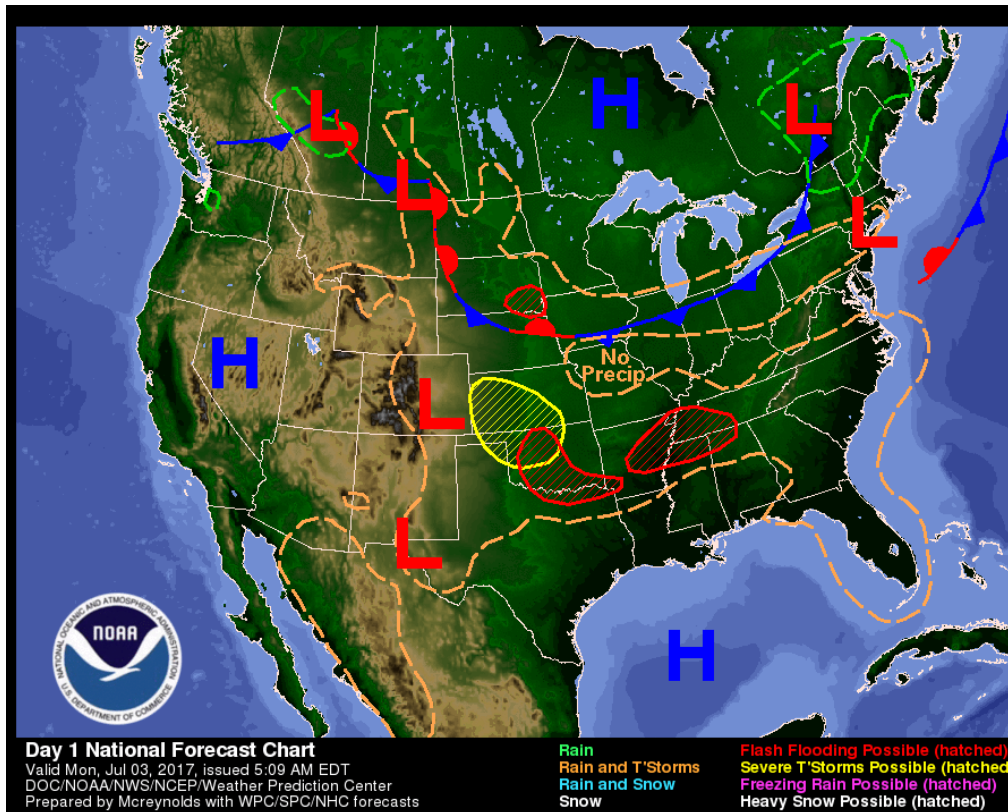
*Source: National Weather Service - July 3, 2017*

### **Today**

Rain showers are possible across portions of the Northeast and northern New England. Rain and thunderstorms will stretch from the northern mid-Atlantic across the Ohio Valley into the central and northern Great Plains, and portions of the Rockies. Heavy rain and flash flooding will be possible for parts of southeastern South Dakota and vicinity. Isolated marginally severe thunderstorms will be possible across the Ohio Valley into the northern mid-Atlantic. Scattered rain and thunderstorms will be possible across the Southeast, the Tennessee Valley, and the central and southwestern Plains. Scattered severe thunderstorms are expected across portions of the central and southern Plains, especially from portions of western Kansas into northwestern Oklahoma. Isolated marginally severe storms are possible from Arkansas into central Tennessee. Heavy rain, capable of producing areas of flooding and flash flooding, is forecast to develop from central Oklahoma extending into the lower Tennessee Valley region. Much of the West will remain dry for the next few days. The strong July sun will begin to heat up the interior mountains, and high temperatures are expected to gradually increase each day. Some locations in the Intermountain region will reach the century mark today, while much of the Desert Southwest will see temperatures soaring into the 110s, where the fire danger will remain at very high levels.

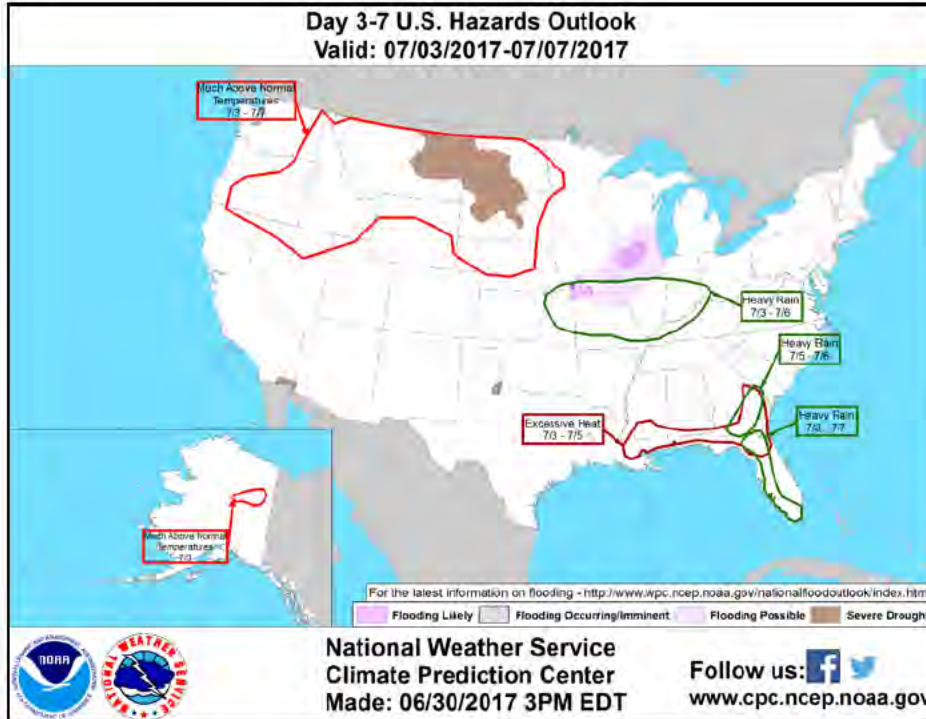
## Tomorrow

Widely scattered showers and thunderstorms will develop across the mid-Atlantic, the Southeast, the South, the Great Plains, and the upper Midwest. Isolated to scattered thunderstorms, some accompanied by strong wind gusts and hail, will be possible on Tuesday afternoon into early evening in the Great Plains, the mid-Missouri Valley, and the Ozarks. Heavy rains could produce areas of flooding and flash flooding across parts of southwestern Missouri, northwestern Arkansas, northeastern Oklahoma, and southeastern Kansas. Scattered showers and thunderstorms will be possible for portions of New England and south-central Texas. Fair and dry weather will persist from the Rockies to the West Coast.





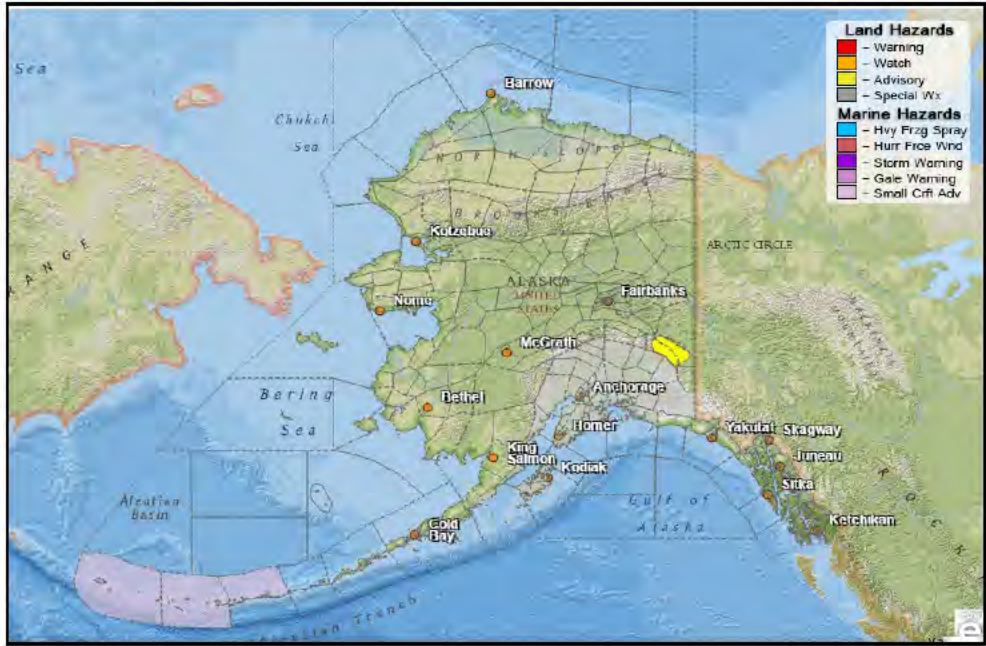
## Weather Hazard Assessment



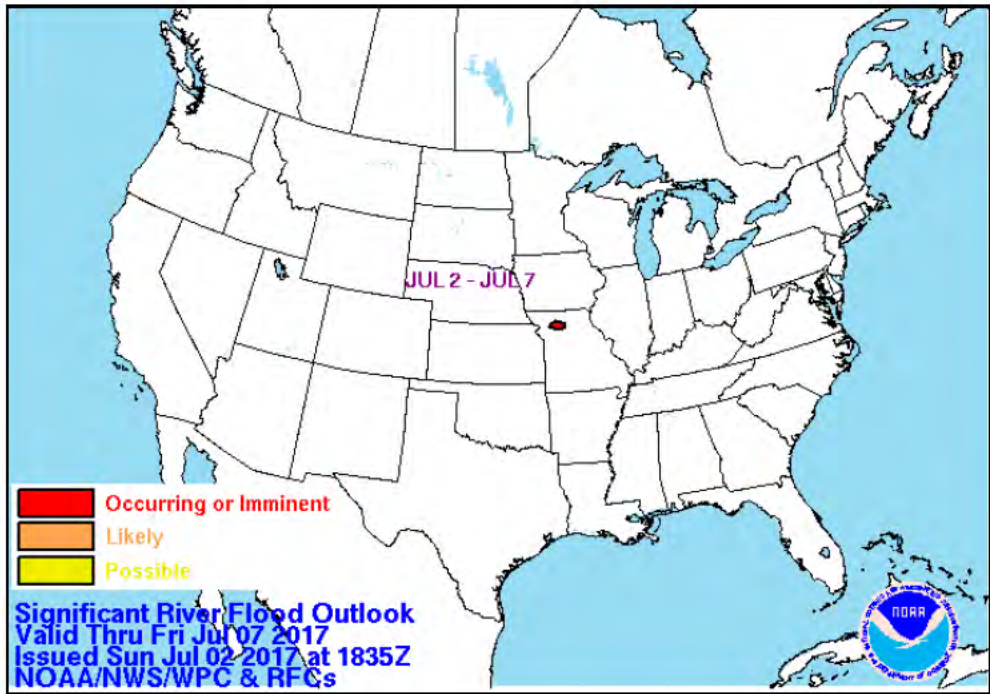
- July 3: Much above-normal temperatures for the upper Yukon Valley of Alaska.
- July 3-5: Excessive heat for parts of the southeast and lower Mississippi Valley.
- July 3-7: Periods of heavy rain for parts of the Florida Peninsula.
- July 3-7: Much above-normal temperatures for parts of the Pacific Northwest, Intermountain West, northern Rockies, and northern and central Great Plains.
- July 5-6: Heavy rain for parts of the southeast.
- July 8: High risk of much above-normal temperatures for parts of the northern Intermountain west and northern Rockies.
- July 8-10: Slight risk of much above-normal temperatures for parts of the southern Great Plains.
- July 8-10: Moderate risk of much above-normal temperatures for parts of the Intermountain West, northern and central Rockies, and northern Great Plains.
- July 8-14: Slight risk of much above-normal temperatures for much of the western and north-central U.S.
- July 8-14: Slight risk of much above-normal temperatures for parts of central mainland Alaska.

### Alaska Weather

A Flood Advisory is in effect for the eastern Alaska Range, upper Tanana Valley, and the Fortymile Country. A Special Weather statement is in effect for the areas around Kodiak, Homer, Anchorage, and Fairbanks due to much warmer and drier weather forecast. A Small Craft Advisory is in effect for the western Aleutians.

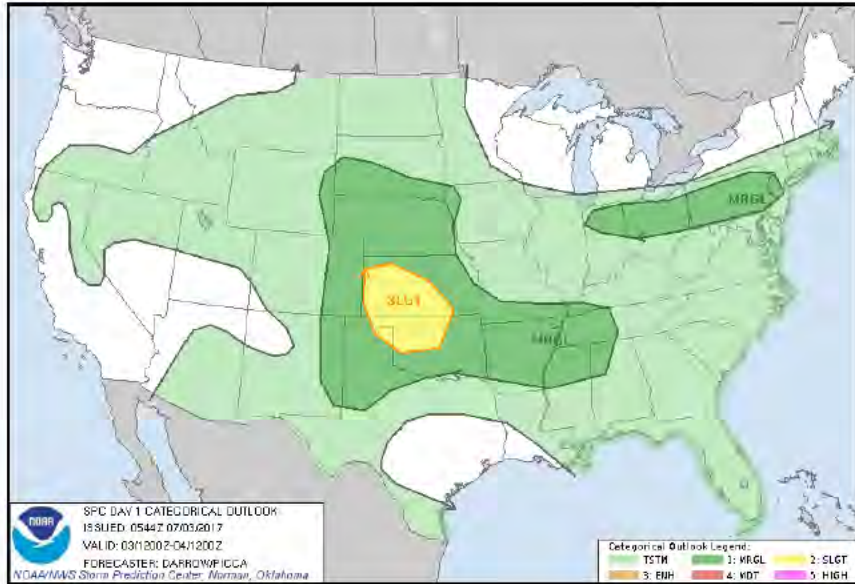


**Significant River Flooding**



Significant River Flooding is occurring today in northern Missouri.

## Severe Weather

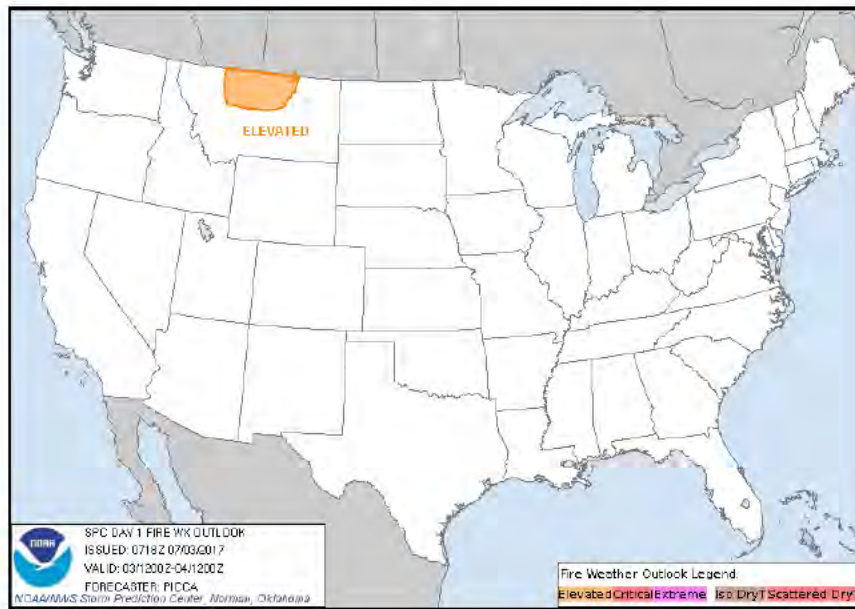


There is a Slight Risk of severe thunderstorms from western Kansas to northwest Oklahoma. A Marginal Risk of severe thunderstorms crosses over the central and southern Plains into the Tennessee Valley, as well as across the Ohio Valley, and the northern mid-Atlantic region.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the United States.

## Fire Weather

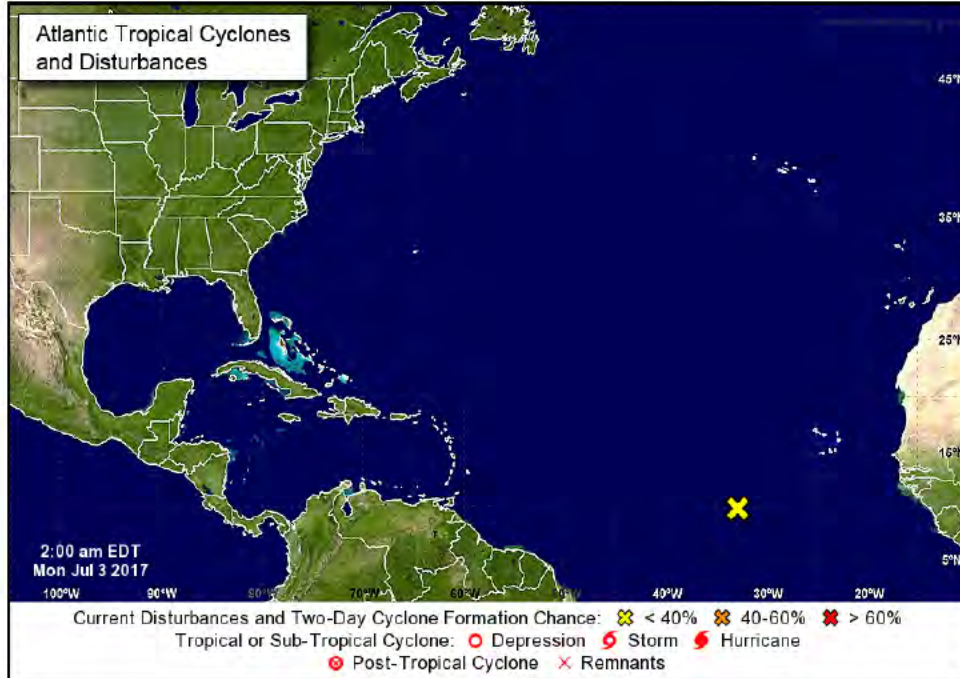


There is no Critical Fire Weather forecast today across the United States; however, Elevated Fire Weather is forecast in northern Montana.

### **Tropical Weather Activity**

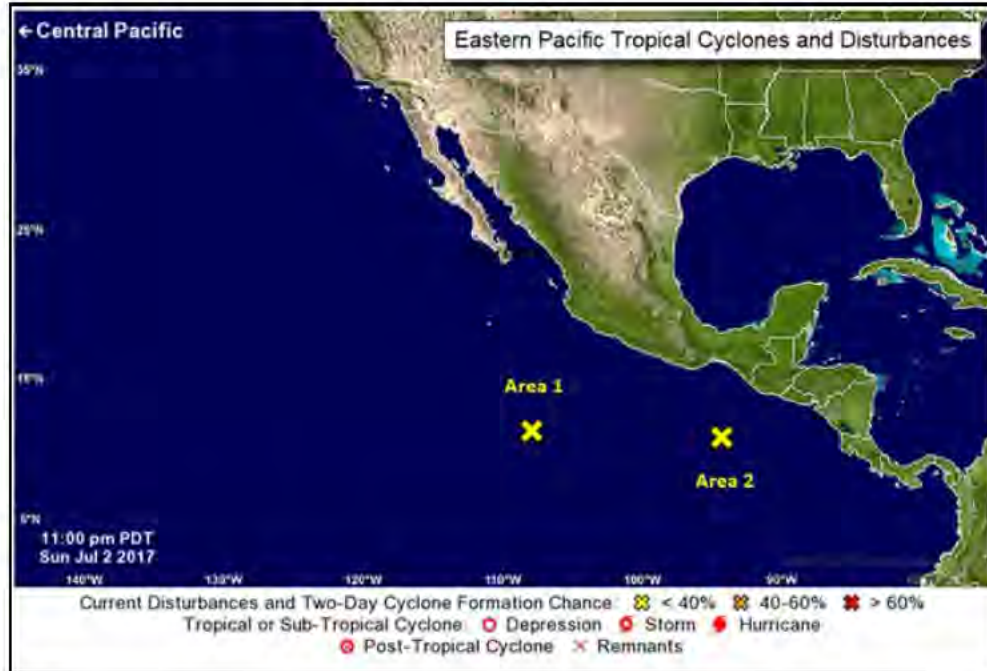
Source: National Weather Service/National Hurricane Center – July 3, 2017

#### **Atlantic Ocean**



An area of low pressure remained nearly stationary for the past several hours about 650 miles southwest of the Cabo Verde Islands. Although shower and thunderstorm activity is currently disorganized, environmental conditions are forecast to become more conducive for the development of a tropical depression after midweek. The disturbance is expected to drift westward for the next day or two, followed by a turn toward the west-northwest at around 10 miles per hour. There is a 10-percent chance of tropical formation through the next 48 hours.

## Eastern Pacific Ocean



Area 1: An area of low pressure located several hundred miles to the south-southwest of Manzanillo, Mexico, continues to produce disorganized showers and thunderstorms. Gradual development of this system is possible during the next several days while it moves west-northwest away from the coast of southwestern Mexico. There is a 20-percent chance of tropical formation through the next 48 hours.

Area 2: A tropical wave located south of the Gulf of Tehuantepec is producing a broad area of cloudiness and disorganized showers. A low-pressure system is expected to form well south of the coast of Mexico in association with the wave during the next couple of days. Environmental conditions are forecast to be favorable for development of this system by later this week while it moves generally westward around 10 miles per hour. There is a near 0-percent chance of tropical formation through the next 48 hours.

### Other News and Notes

#### **Train Derailment and Crude Oil Spill, Plainfield, Illinois**

Source: DOI Office of Environmental Policy and Compliance, Environmental Protection Agency - July 2, 2017

On June 30, a Canadian National (CN) train carrying 113 tanker cars of Alberta Sands Crude Oil derailed in Plainfield, Illinois. Twenty-one cars derailed from the tracks, causing two of the cars to release their contents. The U.S. Environmental Protection Agency (EPA) estimates that one of the cars lost its entire load of approximately 28,000 gallons of oil, and a second car lost approximately 14,000 gallons of oil. A third car had a minor leak, but the leak was secured with only a minimal amount of product being released.

As of July 2, approximately 50,000 gallons of an oil/water mixture has been removed and all of the tanker cars have been moved to the side of the rail line, where they remain staged. The damaged track sections have been repaired, and normal traffic through the area has resumed, at a reduced speed.

On July 1, the EPA and public works officials determined that all of the storm water outfalls near the site flow into a retention pond on the eastern side of the tracks. There is no connection between the retention pond and navigable waters in the area. No oil has been observed in downstream sections of the DuPage River. There is no current threat to the public, and there have been no reported impacts to DOI lands or trust species.



*Photo: EPA, July 2, 2017*

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, July 5, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 3**

**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 5, 2017*

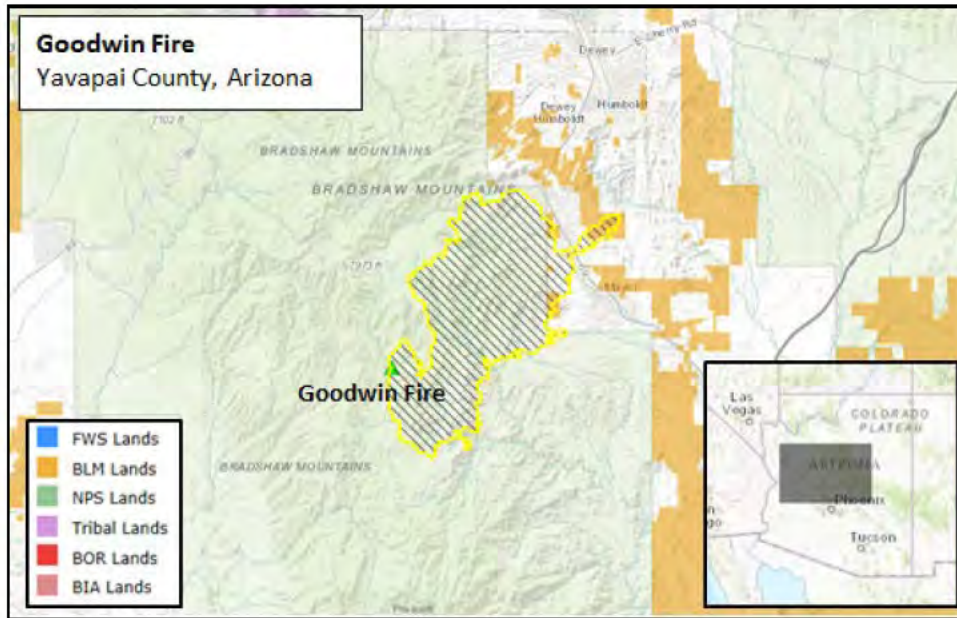
### Arizona Fires

#### **Goodwin Fire**

- Start Date: June 24
- Location: Yavapai County, AZ (U.S. Forest Service)
- Burned Acres: 28,516 (+975)
- Containment: 91-percent (+16)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 421 (-452) / 85 (-28)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,400 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 9,000 (no change) / 2 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: July 13

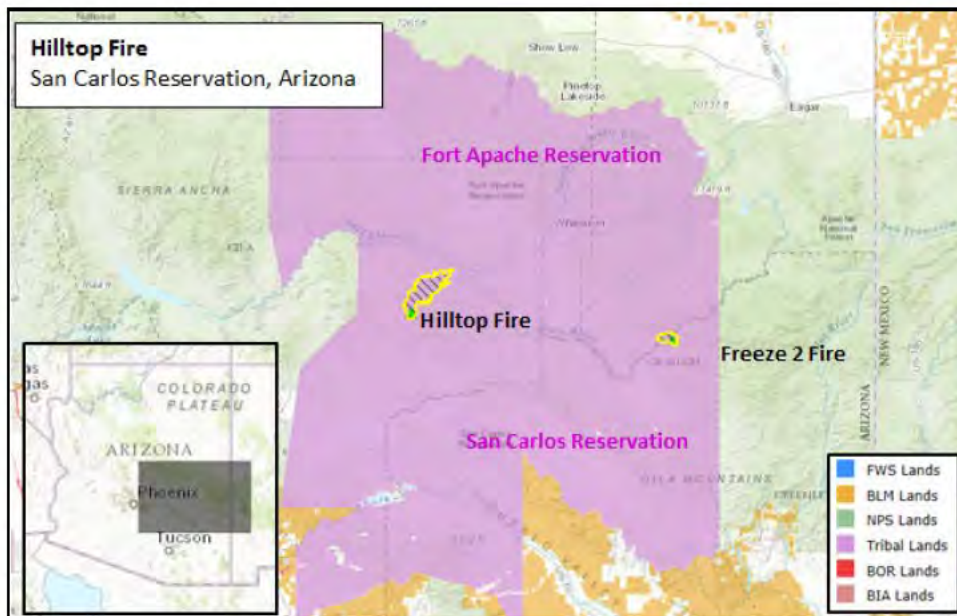
Comments: The Goodwin Fire is a state fire that intersects with Bureau of Land Management (BLM) lands. The fire behavior was moderate during this reporting period, and the fire

continues to consume a large amount of fuel from the Big Bug Mesa. Fifteen homes have been destroyed by the fire, and two homes have been damaged.



IGEMS Image

### Hilltop Fire



IGEMS Image

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 17,639 (+8,987)
- Containment: 5-percent (no change)
- Management: Type-2 IMT

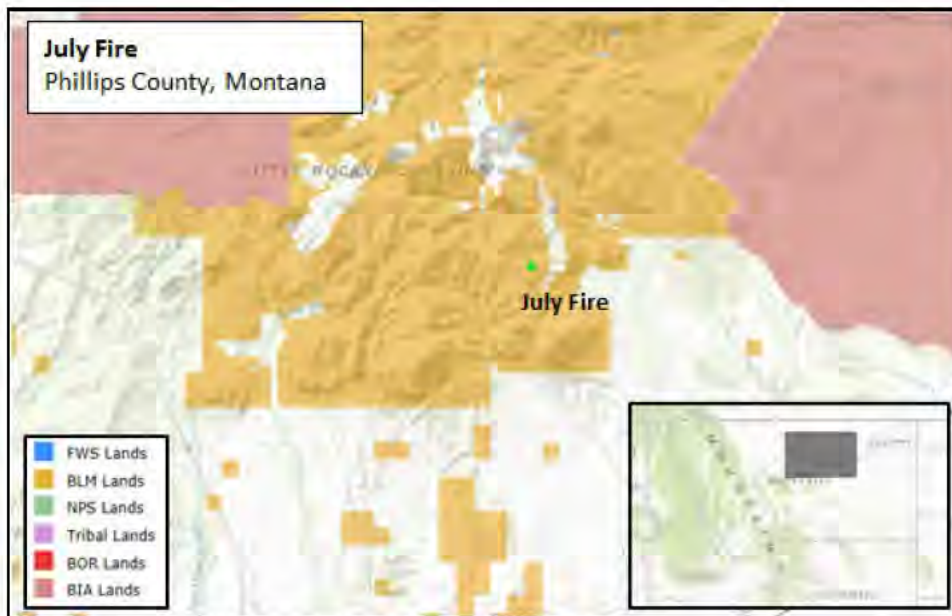


- Personnel Assigned / DOI: 654 (+391) / 224 (+77)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (+2) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as active during this reporting period, and the fire continues to spread to the north and northeast. The fire is located in a steep and remote area with few natural barriers to slow the fire's growth. A combination of direct and indirect tactics will be utilized to safely meet the objectives of the fire.

## Montana Fires

### July Fire (Initial)



IGEMS Image

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 1,000
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 113 / 44
- Structures Threatened-Single-Mixed Residential/Commercial: 30 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 11

Comments: The July Fire was described as active during this reporting period, and the fire is threatening the community of Zortman. A Type-2 team has been ordered and will on-site today.. The weather for the next several days is predicted to be hot and dry.

## New Mexico Fires

### Tiffany Fire

- Start Date: June 26
- Location: Socorro County, New Mexico
- Burned Acres: 6,747 (+252)
- Containment: 49-percent (+9)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 215 (-32) / 35 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 (no change) / 2 (no change)
- Evacuations / Sheltered in place: 5 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 6

Comments: The fire behavior was described as extreme during this reporting period, and additional perimeter spread is expected. Fort Craig, a BLM managed historical site, the Fish and Wildlife Service's Bosque del Apache National Wildlife Refuge, and a Critical Habitat for the Southwest Willow Flycatcher are threatened by this fire. Full containment is expected on July 6.



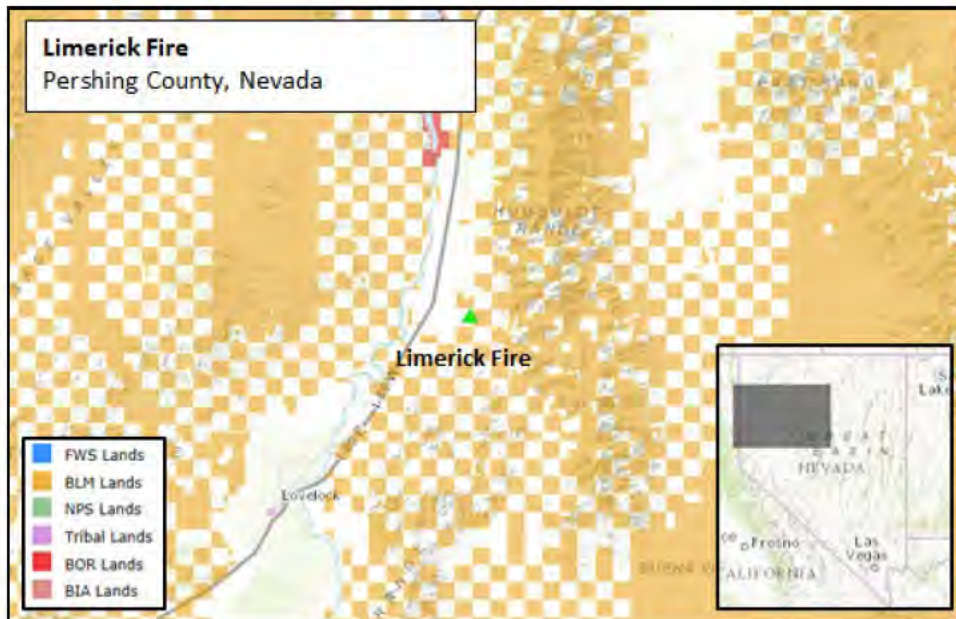
IGEMS Image

## Nevada Fires

### **Limerick Fire (Initial)**

- Start Date: July 3
- Location: Pershing County, NV (BLM)
- Burned Acres: 10,950
- Containment: 25-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 150 / 41
- Structures Threatened-Single-Mixed Residential/Commercial: 2 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 8

Comments: The fire behavior was described as active during this reporting period, and additional perimeter growth is likely. Heavy fuels, possible mining chemicals, and steep terrain are potential hazards for response personnel. Dry lightning and gusty winds are forecast for the next day or so. Two residences have been destroyed by the fire.



*IGEMS Image*

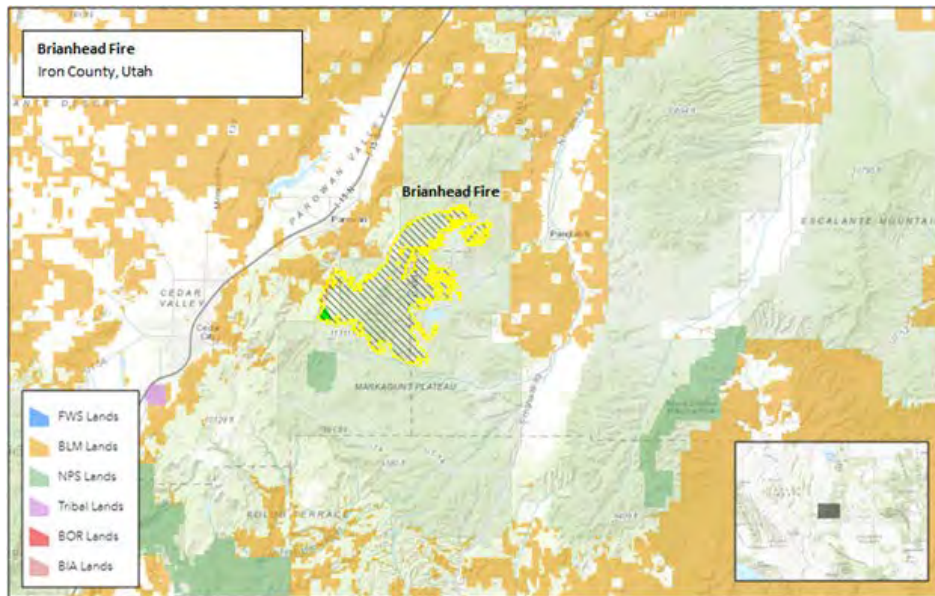
## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah (BLM)
- Burned Acres: 67,430 (+2,053)

- Containment: 75-percent (+10)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,383 (-406) / 295 (-121)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (-1,015) / 0 (-41)
- Evacuations / Sheltered in place: 1,562 (+1,228) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 25 (+1) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was moderate during this reporting period, and the fire is continuing to spread to the east and northeast. There is a minimal threat to 100 residences, and evacuations are being evaluated daily.



IGEMS Image

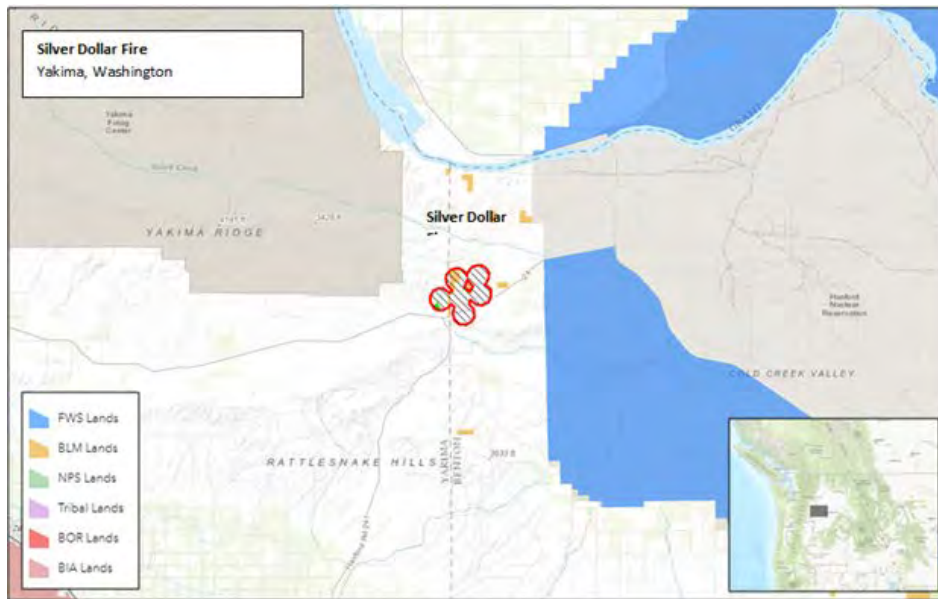
## Washington Fires

### **Silver Dollar Fire**

- Start Date: July 2
- Location: Yakima County, Washington (BLM)
- Burned Acres: 23,350 (+15,530)
- Containment: 61-percent (+61)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 282 (+158) / 74 (+45)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 5 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 7

Comments: Fire behavior was moderate during this reporting period, and the perimeter continues to move to the north and to the west. The weather is forecast to be hot and dry over the next few days, but full containment is expected within 48 hours.



IGEMS Image

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 5, 2017

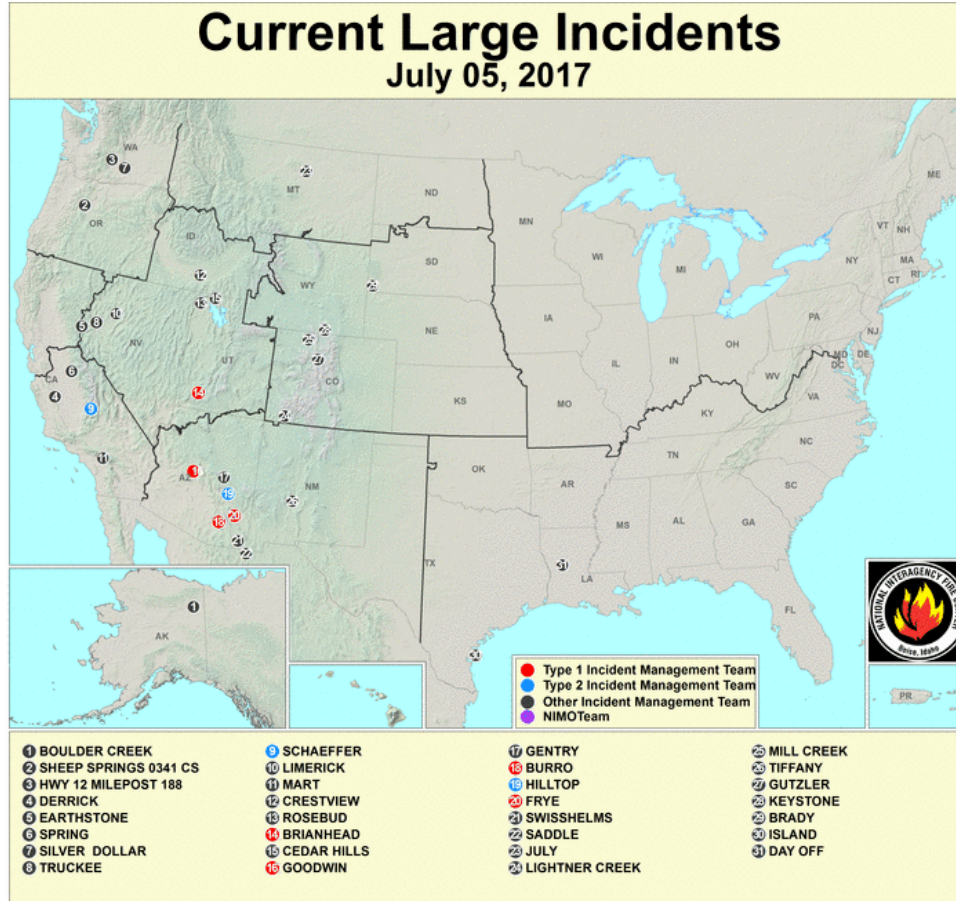
#### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (186 new fires)
New large fires:	9
Large fires contained:	5
Uncontained large fires: **	28
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## U.S. Bureau of Reclamation Dam Response Activity

### Response Level 2 - Anchor Dam, Wyoming

Source: United States Bureau of Reclamation - July 3, 2017

On June 2, an Emergency Action Plan (EAP) Response Level 2 was declared at the Anchor Dam in Wyoming due to flows in Owl Creek, downstream of the dam, exceeding 400 cubic feet per second (cfs). The dam is located on the South Fork of Owl Creek, approximately 40 miles to the west of Thermopolis. The dam is operating appropriately, and there are no concerns with the dam safety.

As of July 3, the reservoir water surface (RWS) elevation was 6,412.37 feet and stabilizing, with the downstream flow in Owl Creek at 137 cfs. The flows into Owl Creek are less than 400 cfs, which is the requirement for a Response Level 2 designation. This designation will remain in place as reservoir inflows are expected to increase over the next few days from snow melt runoff.

A Response Level 2 is the middle level of the U.S. Bureau of Reclamation's (USBR) Response Level system and indicates some minor flooding may be experienced. The USBR's Wyoming

Area Office is continuing to monitor the situation and is maintaining contact with local emergency management agencies and the National Weather Service. The USBR will provide updates as warranted.

### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation - July 3, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the RWS elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The Boysen Dam is located on the Wind River, approximately 17 miles to the south of Thermopolis, Wyoming.

The Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between an elevation 4,725.0 feet and 4,732.2 feet, releases from the dam will also be coordinated with the U.S. Army Corps of Engineers. As of July 3, the RWS elevation was 4,728.14 feet, and the reservoir storage was approximately 804,970 acre-feet (AF). On July 2, the reservoir inflow was calculated to be 6,370 cfs, and releases were 8,999 cfs. A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming**

*Source: United States Bureau of Reclamation - July 3, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The dam is located on Bull Lake Creek, approximately 40 miles to the northwest of Riverton. As of July 3, the RWS elevation was 5,797.88 feet, with inflows as of July 2 to the reservoir at 1,140 cfs and releases at 570 cfs. The reservoir storage was 130,584 AF. The USBR's Wyoming Area Office will continue to monitor the situation at the Buffalo Bill Dam and provide updates as warranted.

### **Response Level 1 - Buffalo Bill Dam, Wyoming**

*Source: United States Bureau of Reclamation - July 3, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the rise in the reservoir exceeding 0.50 feet in a 6-hour period. The dam is located on the Shoshone River, approximately 7 miles to the west of Cody. As of July 2, the RWS elevation was 5,390.5 feet, with inflows to the reservoir at 6,875 cfs, releases of 7,240 cfs, and the reservoir storage was 622,637 AF. The USBR's Wyoming Area Office will continue to monitor the situation at Buffalo Bill Dam and provide updates as warranted.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 4, 2017*

**Alert Level = WARNING**

**Color Code = RED**

Since the approximately 11 minute explosive eruption that occurred at 11:07 p.m. EDT on July 4, seismicity detected on neighboring islands has been quiet. Satellite images indicate that a small cloud was produced that drifted to the southeast at an altitude of 32,000 feet above sea level. No additional emissions from the volcano have occurred. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

A moderate explosion occurred at the Cleveland Volcano on July 4 that was detected by seismic and infrasound (air pressure) sensors. The event lasted about 10 minutes, after which seismicity declined and remains low. Previous similar eruptions at Cleveland produced small ash clouds, but satellite views since this event show no clear evidence of an ash plume. As a result of this event, the Aviation Color Code and Volcano Alert Level were raised to, and remain at, Orange/Watch. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 4 2017*

**Alert Level = WATCH**

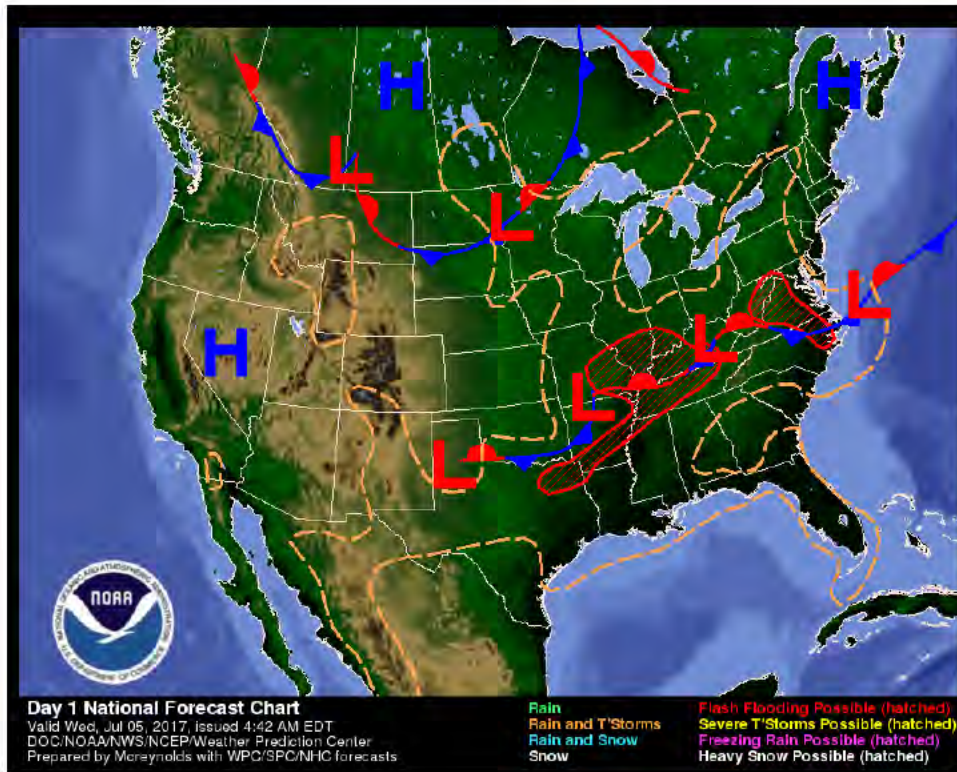
**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake surface was about 62 feet below the floor of the Halema‘uma‘u Crater on Tuesday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.



## Significant National Weather

Source: National Weather Service - July 5, 2017



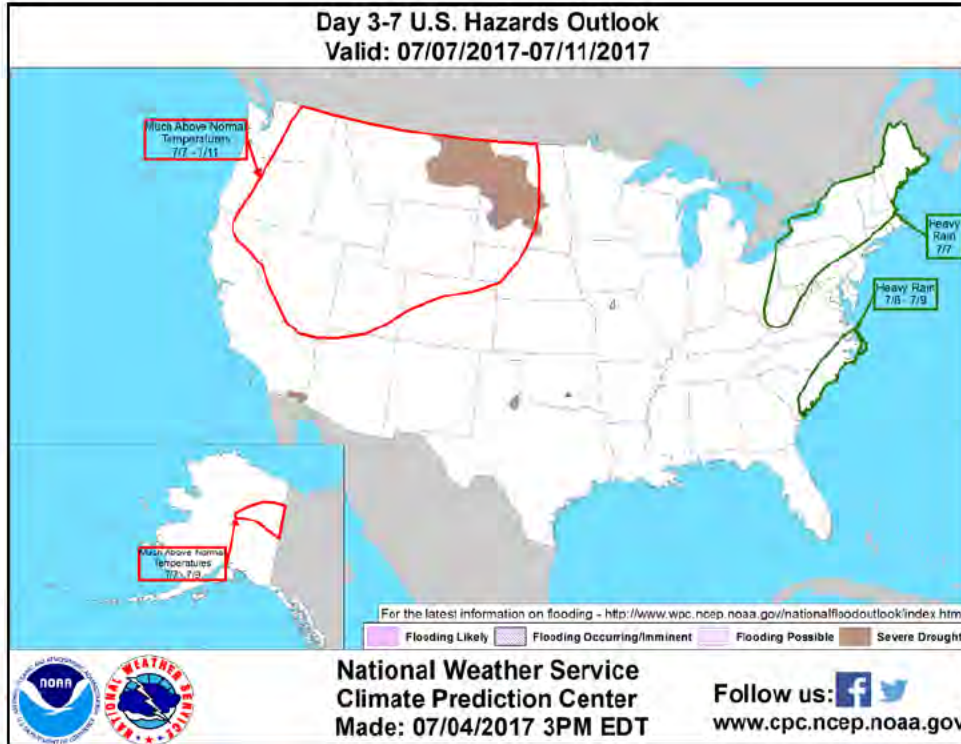
### **Today**

There is a marginal chance today of severe weather capable of producing heavy rain exceeding 2-3 inches and flash flooding from northeastern Texas to Virginia. A cold front approaching from the Dakotas will produce severe storms, capable of large hail and gale force winds, in the northern Plains, as well as portions of the northern Rockies. Elevated Fire Weather conditions are expected and Red Flag Warnings are in place today in northeastern California, northwestern Nevada, central Oregon, and northeastern Montana. Excessive heat, with temperatures into the mid 110s, is forecast for the lower deserts of southern Arizona and southern California, including Phoenix and Yuma, Arizona.

### **Tomorrow**

Widely scattered showers and thunderstorms will develop tomorrow across the mid-Atlantic, the Southeast, the southern U.S., the Great Plains, and the upper Midwest. Isolated to scattered thunderstorms, some which could be accompanied by strong wind gusts and hail, will be possible tomorrow afternoon into early evening in the Great Plains, the middle Missouri Valley, and the western Great Lakes. This includes the cities of Chicago, Des Moines, Madison, and Milwaukee. Heavy rain could produce areas of flooding across the Appalachians of West Virginia.

## Weather Hazard Assessment



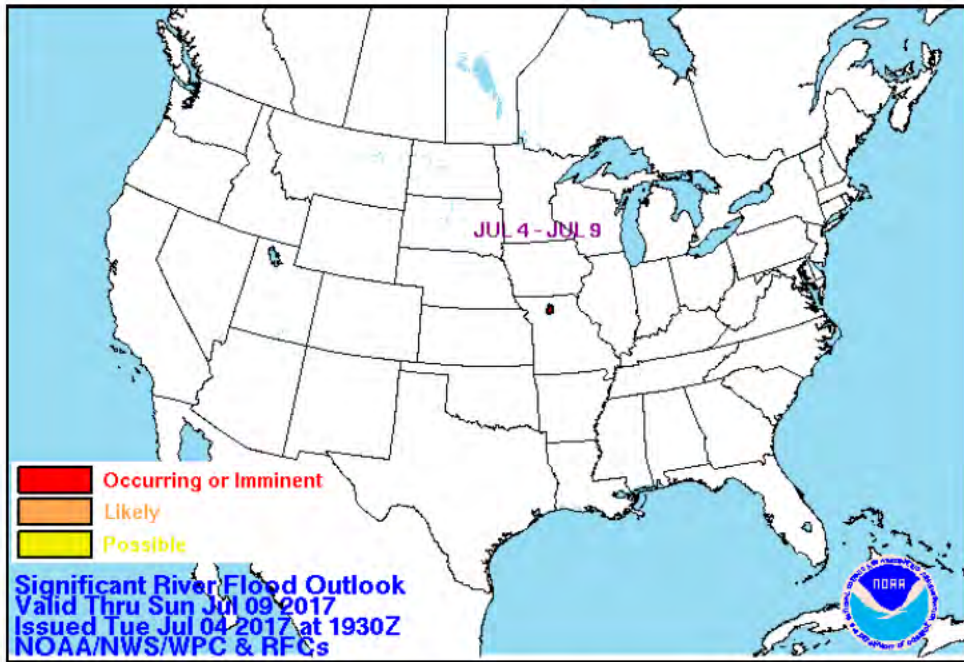
- July 5: Severe drought across the northern and southern Plains, California, Hawaii, and the Southwest.
- July 7: Heavy rain for parts of the Northeast and the central Appalachian.
- July 7-9: Much above-normal temperatures for the upper Yukon Valley of Alaska.
- July 7-11: Much above-normal temperatures for parts of the western U.S. and the northern and central Great Plains.
- July 8-9: Heavy rain for parts of the Carolinas.
- July 12: High risk of much above-normal temperatures for portions of the northern Great Plains.
- July 12-14: Moderate risk of much above-normal temperatures for portions of the northern Rockies and the northern and central Great Plains.
- July 12-18: Slight risk of much above-normal temperatures for portions of the western U.S., the northern and central Great Plains, and the upper Mississippi Valley.

### Alaska Weather

There is a Gale Warning in effect from Cape Sarichef to Nikolski on the Bering Sea side. A Small Craft Advisory is in effect from Adak to Port Heiden, from the Etolin Strait northward to Point Franklin, and for waters surrounding St. Matthew and St. Lawrence islands.



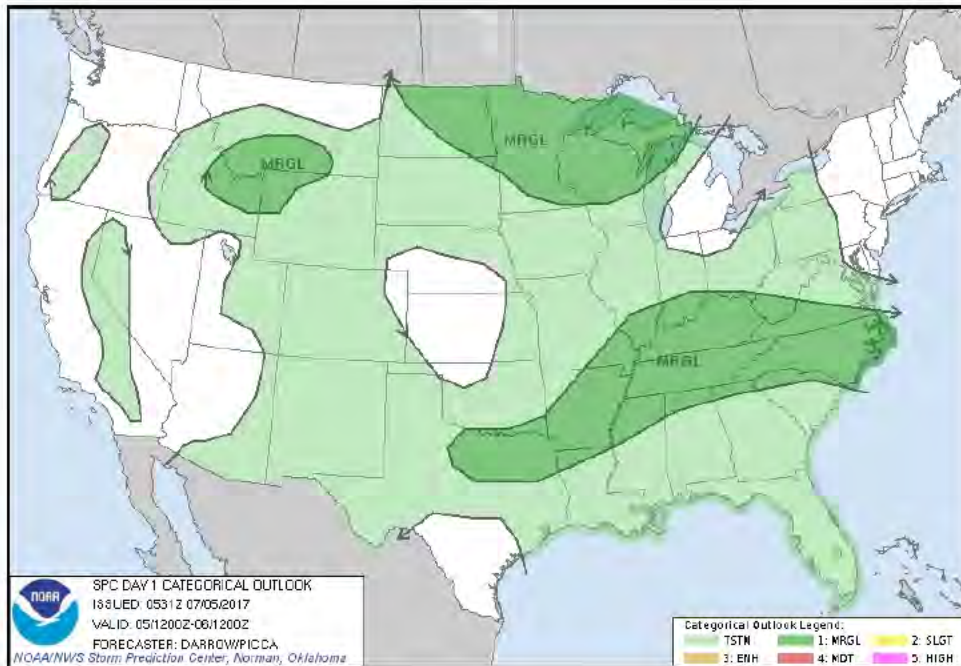
### Significant River Flooding



Significant River Flooding is occurring today in northern Missouri.

### Severe Weather

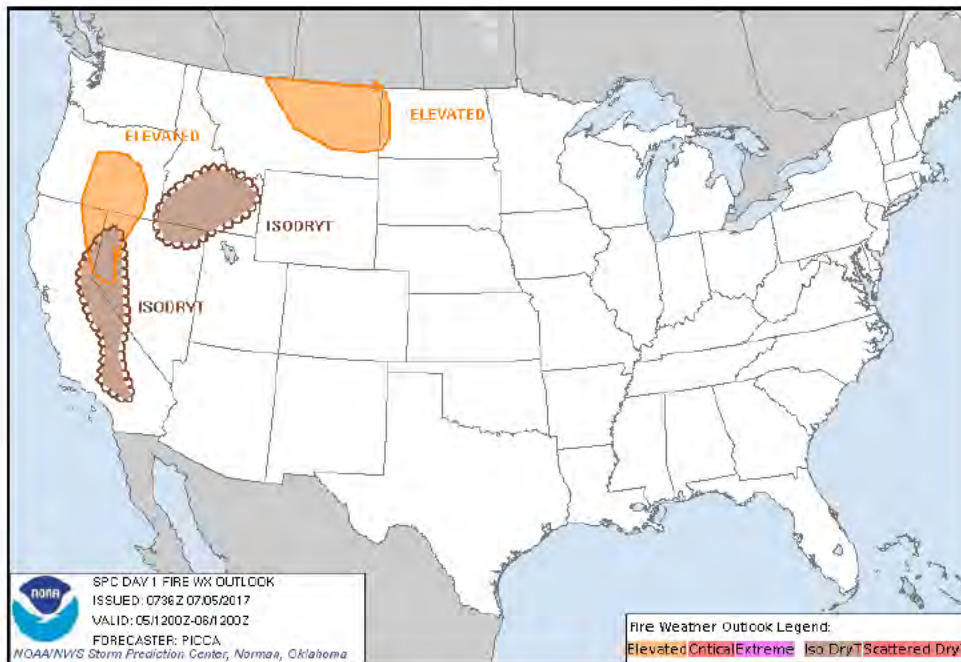
There is a Marginal Risk of severe thunderstorms today from the northern Plains to the upper Great Lakes, across parts of the northern Rockies, and from northeastern Texas, through the Tennessee Valley to North Carolina.



### Tornado Weather

There is less than a 2-percent chance of tornado activity today across the United States.

### Fire Weather



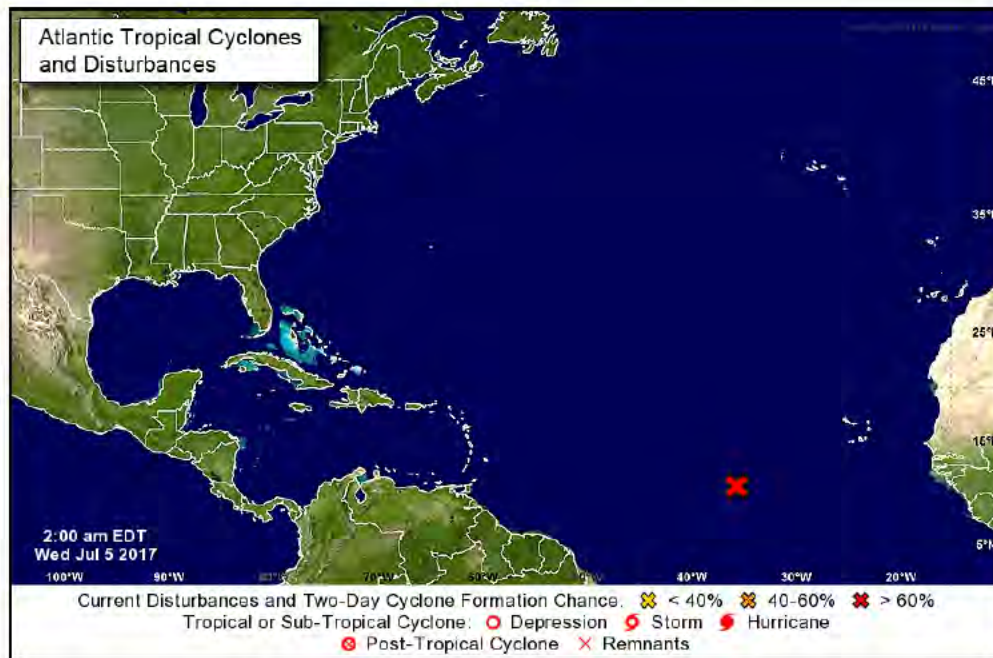
There is no Critical Fire Weather forecast for today across the United States; however, Elevated Fire Weather is forecast for portions of Montana, western North Dakota, Oregon, western

Nevada, and northeastern California. There are Isolated Dry Thunderstorms forecast for Idaho, northern and western Nevada, and portions of California.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – July 5, 2017

#### **Atlantic Ocean**



Satellite images continue to indicate that the cloud pattern associated with the broad area of low pressure centered about 800 miles west-southwest of the Cabo Verde Islands has changed little in organization since yesterday. Environmental conditions remain favorable for a tropical cyclone to form within the next day or two while the low moves westward or west-northwestward at 10 to 15 miles per hour. After that time, the system is expected to encounter a drier and more stable air mass, which should be less favorable for development. This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

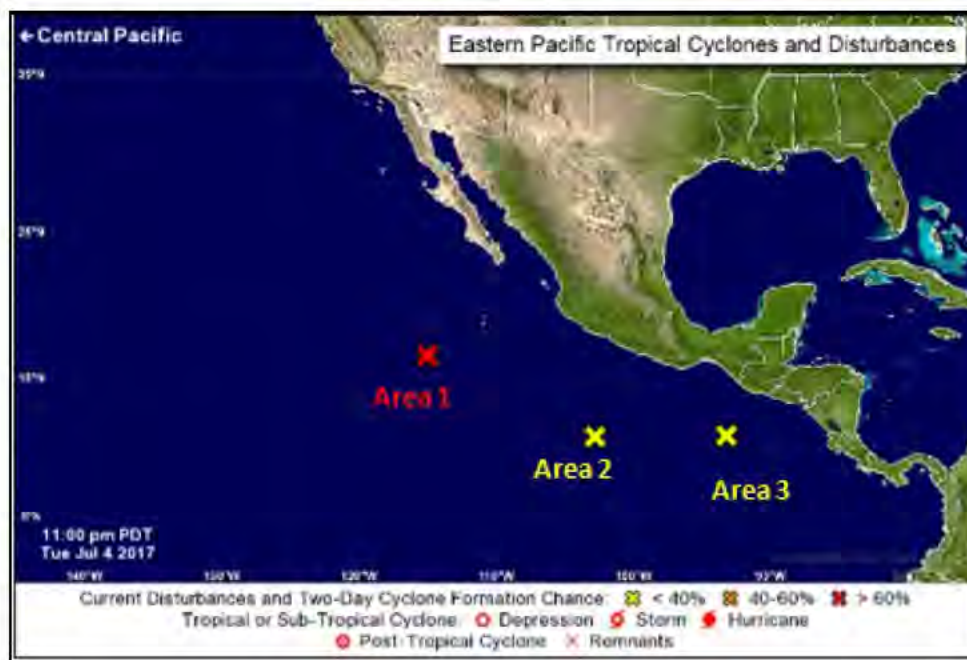
#### **Eastern Pacific Ocean**

**Area 1:** Shower and thunderstorm activity associated with a low pressure area located about 550 miles southwest of the southern tip of the Baja California peninsula has become a little more concentrated; however, satellite data indicates that a well-defined circulation does not exist. This system still has the potential to become a tropical depression during the next day or two before it moves westward into a less favorable environment. There is a 80-percent chance of tropical formation through the next 48 hours.

**Area 2:** A broad area of low pressure located several hundred miles south of Acapulco, Mexico is producing widespread showers and thunderstorms. Environmental conditions are forecast to

be favorable for gradual development, and this system is likely to become a tropical depression late this week or this weekend while the disturbance moves generally westward at about 10 mph. There is a near 0-percent chance of tropical formation through the next 48 hours.

**Area 3:** Another area of disturbed weather is located over the far eastern North Pacific, a few hundred miles south of the coast of El Salvador. Development, if any, of this system should be slow to occur, due in part to its close proximity to the disturbance to the west. There is a near 0-percent chance of tropical formation through the next 48 hours.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, July 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4

National Wildland Fire Preparedness Level is 3

Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE

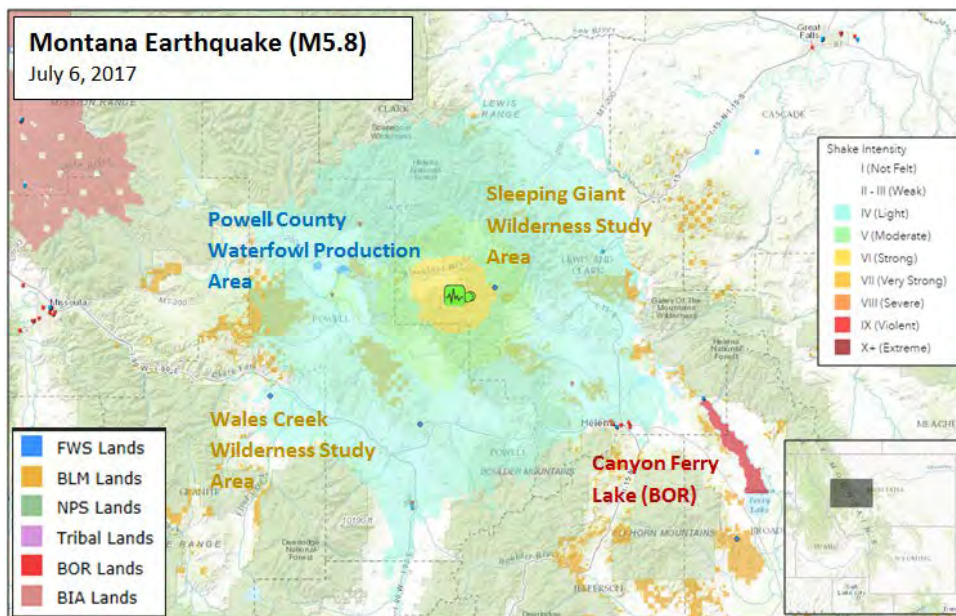
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE

Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE

The Interior Operations Center is at Level 4 (Normal Operations)

## Magnitude 5.8 Earthquake - Montana

Source: United States Geological Survey (USGS) - July 6, 2017



IGEMS Image

The United States Geological Survey (USGS) reported a magnitude 5.8 earthquake occurred at 2:30 a.m. EDT this morning, approximately 6.8 miles to the south-southeast of Lincoln, Montana, (population 1,013 according to 2010 Census data) at a depth of 8.4 miles. Aftershock activity continues in the area, with the largest measuring 4.9 in magnitude. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage.

The USGS Emergency Management Coordinator confirms strong shaking was felt in the immediate area of the earthquakes; however, only localized damage is expected in the relatively unpopulated area of the epicenters. The Powell County Waterfowl Productions Area (FWS), the Sleeping Giant Wilderness Study Area (BLM), the Wales Creek Wilderness Study Area (BLM), and the Hoodoo Mountain Wilderness Study Area (BLM) were in the shake areas. As of this morning, there have been no reported impacts to DOI properties or personnel.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - July 6, 2017*

### **Arizona Fires**

#### **Goodwin Fire**



IGEMS Image

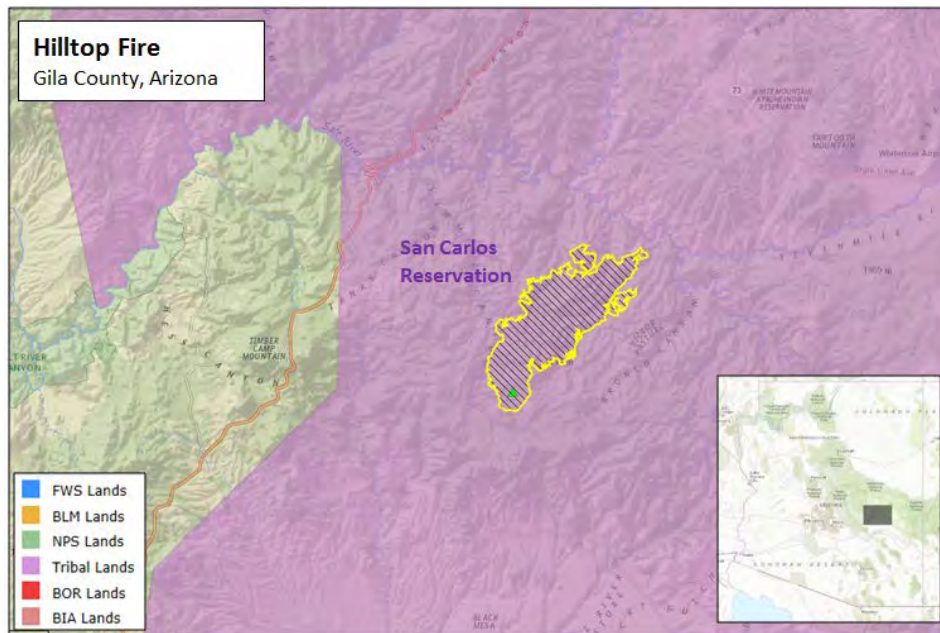
- Start Date: June 24
- Location: Yavapai County, AZ (U.S. Forest Service)
- Burned Acres: 28,516 (no change)
- Containment: 93-percent (+2)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 161 (-260) / 11 (-74)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,400 (no change) / 0 (no change)



- Evacuations / Sheltered in place: 9,000 (no change) / 2 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: July 13

Comments: The Goodwin Fire is a state fire which intersects with Bureau of Land Management (BLM) lands. The fire behavior was minimal during this reporting period, and the fire continues to consume interior islands of unburned fuels. Command transferred to a Type-3 IMT on July 5. Fifteen homes have been destroyed by this fire.

## Hilltop Fire



IGEMS Image

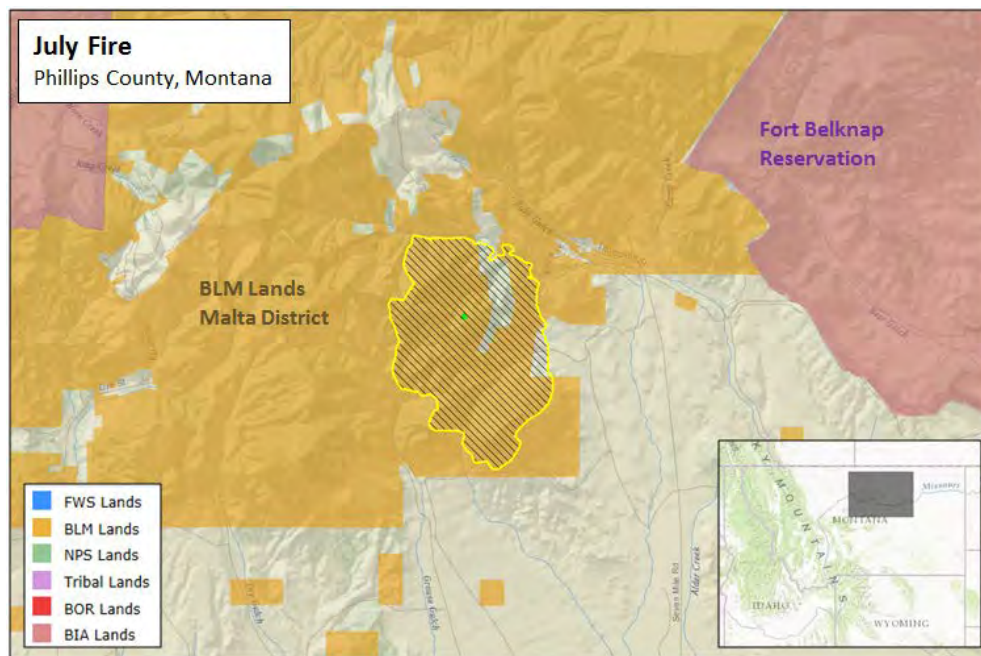
- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 19,646 (+2,007)
- Containment: 5-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 762 (+108) / 300 (+76)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as active during this reporting period. While evacuations are not in effect, thresholds for pre-evacuation notices and evacuations have been

developed for the communities of Canyon Day and Cedar Creek. The fire is burning in remote and steep terrain.

## Montana Fires

### July Fire



IGEMS Image

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 2,100 (+1,100)
- Containment: 25-percent (+25)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 134 (+21) / 44 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 30 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 11

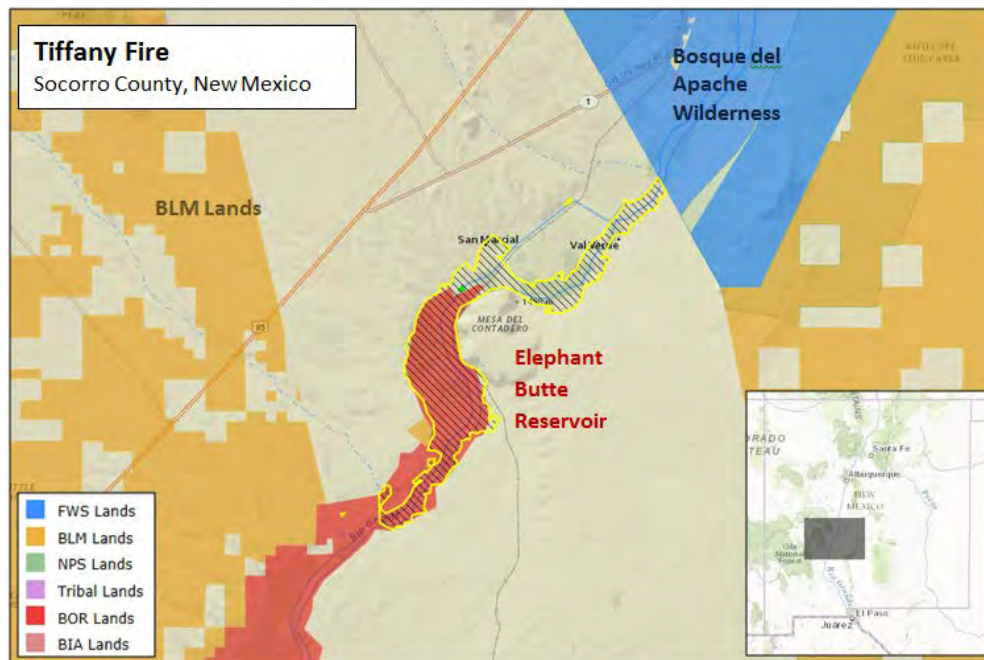
Comments: Fire activity was described as active during this reporting period, with short crown runs, running, and spotting. The fire is threatening the community of Zortman and may impact Little Rockies Christian Camp to the west. The weather for the next several days is predicted to be hot and dry.

## New Mexico Fires

### Tiffany Fire

- Start Date: June 26
- Location: Socorro County, NM
- Burned Acres: 9,200 (+2,453)
- Containment: 79-percent (+30)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 159 (-56) / 36 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 (no change) / 2 (no change)
- Evacuations / Sheltered in place: 5 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 12

Comments: The fire behavior was described as moderate during this reporting period, and additional perimeter spread is expected. Fort Craig, a BLM managed historical site, the Fish and Wildlife Service's Bosque del Apache National Wildlife Refuge, and a Critical Habitat for the Southwest Willow Flycatcher are threatened by this fire.



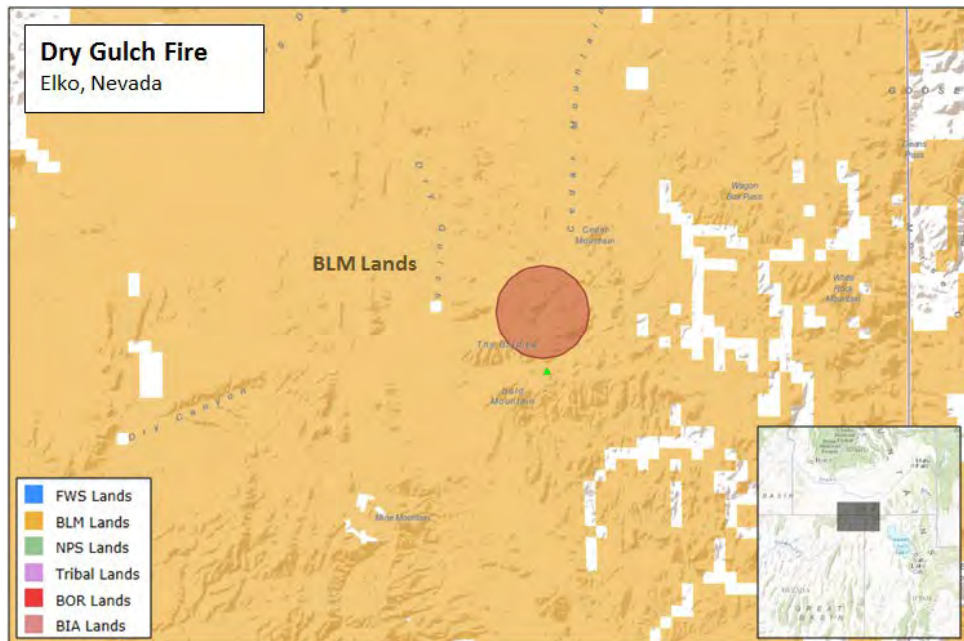
IGEMS Image

## Nevada Fires

### **Dry Gulch Fire (Initial)**

- Start Date: July 4
- Location: Elko County, NV (BLM)
- Burned Acres: 2,000
- Containment: 60-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 64 / 34
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 7

Comments: The fire behavior was described as active during this reporting period, with running and smoldering. The primary fuel for this fire is brush and tall grass. The fire does pose a threat to high energy transmission lines, and there is a potential for the fire to spread to the north. Thunderstorms, with dry lightning and winds from the south, are a concern over the next reporting period.



*IGEMS Image*

### **Earthstone Fire (Initial)**

- Start Date: July 3
- Location: Washoe County, NV (BLM)
- Burned Acres: 26,785

- Containment: 30-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 293 / 40
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 10

Comments: During this operational period, the fire behavior was described as extreme. Three to four miles of utility poles have been destroyed, and it is possible that the fire will result in a closure of Interstate-80. As other fires in the area compete for resources, the management of this fire will likely transition to a Type-2 IMT during the next operational period.

### **Truckee Fire (Initial)**

- Start Date: July 3
- Location: Washoe County, NV
- Burned Acres: 70,546
- Containment: 35-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 172 / 27
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 8

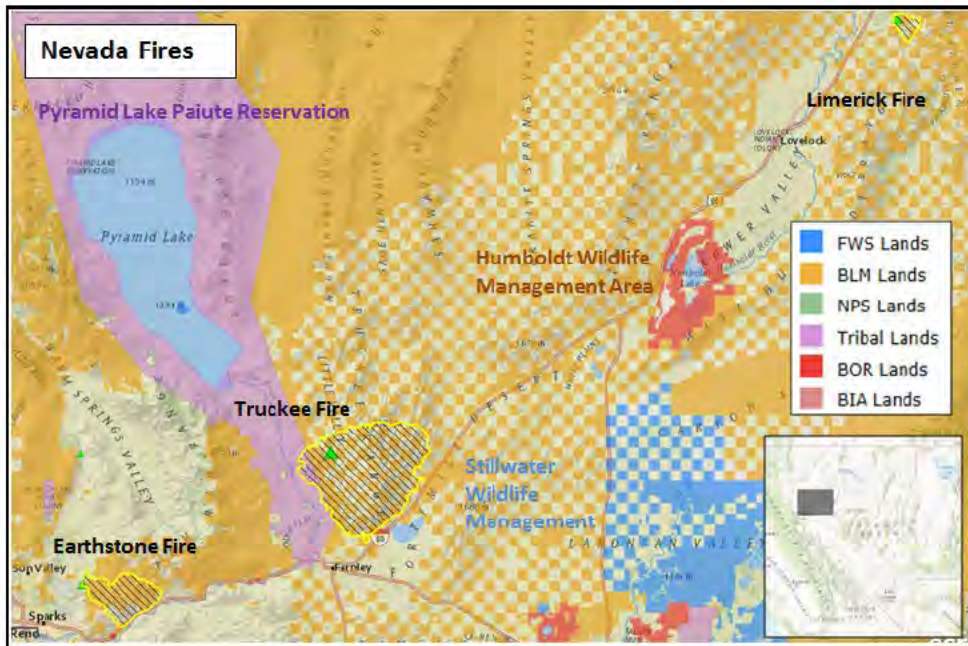
Comments: The fire behavior was described as extreme during this reporting period, with wind-driven runs, flanking, and backing. The primary fuel for this fire is short grass, and the fire does pose a threat to high energy transmission lines. Above normal temperatures, low humidity, gusty winds, and lightning are expected to hamper suppression activities over the next 24 hours.

### **Limerick Fire**

- Start Date: July 3
- Location: Pershing, County, NV (BLM)
- Burned Acres: 14,656 (+3,706)
- Containment: 30-percent (+5)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 296 (+146) / 36 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 2 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)

- Containment Date: July 8

Comments: The fire behavior was described as active during this reporting period, and additional perimeter growth is likely. Critical Sage Grouse habitat, power lines, water supply for the town of Lovelock, grazing allotments, and significant cultural resources are threatened. Dry lightning and gusty winds are forecast for the next day or so. Two residences have been destroyed by the fire.



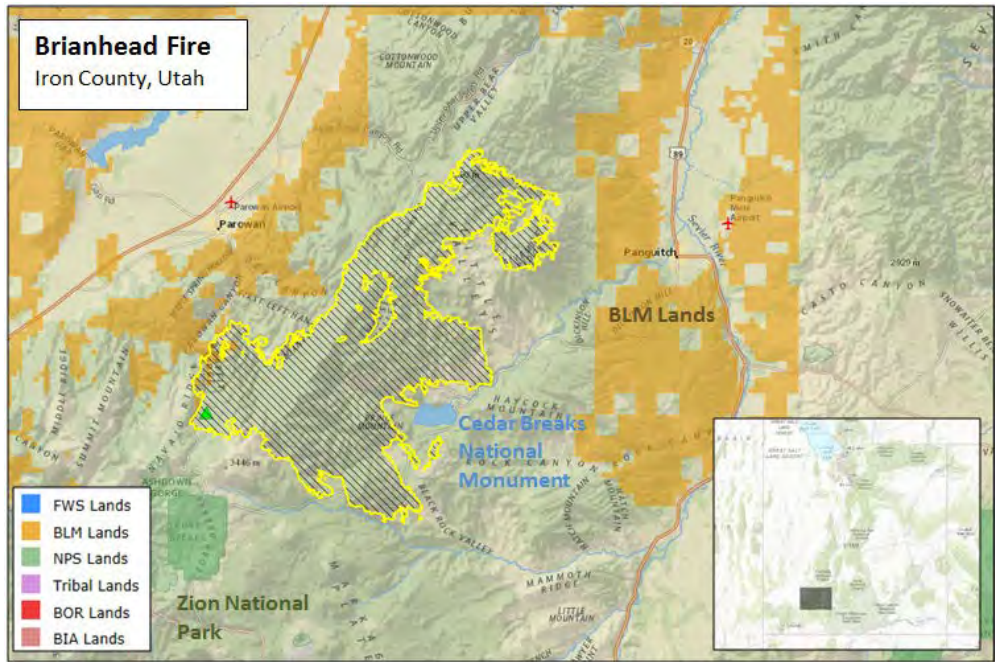
IGEMS Image

## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah (BLM)
- Burned Acres: 68,407 (+977)
- Containment: 75-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,332 (-51) / 293 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 27 (+2) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, but it is burning on some BLM parcels. Fire behavior was active with torching and crowning during this reporting period. There is a minimal threat to 100 residences. There are 9,573 acres of Sage Grouse habitat impacted.



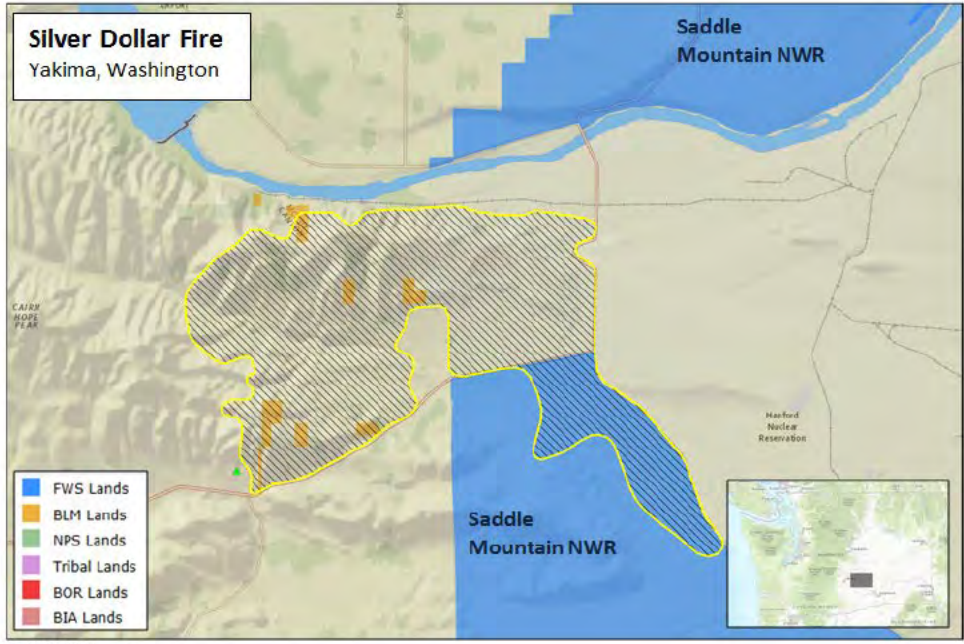
IGEMS Image

## Washington Fires

### Silver Dollar Fire

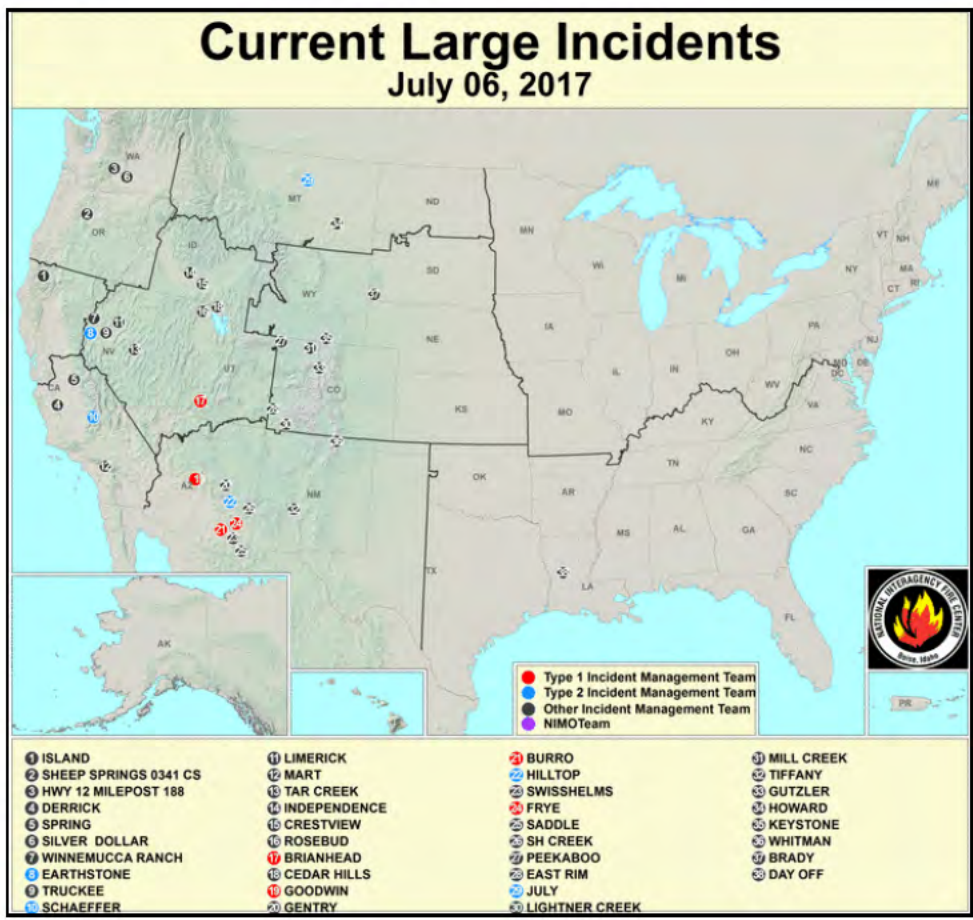
- Start Date: July 2
- Location: Yakima County, Washington (BLM)
- Burned Acres: 23,350 (no change)
- Containment: 85-percent (+24)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 131 (-151) / 10 (-64)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-25) / 0 (-5)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 7

Comments: Fire behavior was minimal during this reporting period. Mop-up and repair of existing control lines is ongoing. Demobilization of excess resources will begin in the next operational period.



IGEMS Image

Large Fire Map





## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 6, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Heavy (384 new fires)
New large fires:	7
Large fires contained:	5
Uncontained large fires: **	29
Area Command Teams committed:	1
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Earthquake Activity**

*Source: U.S. Geological Survey – July 6, 2017*

The USGS reported that a magnitude 6.5 earthquake occurred on July 6 at 4:03 a.m. EDT, approximately 1.6 miles to the northeast of Masarayao, Philippines at a depth of 4 miles. A Yellow PAGER Alert was issued for economic losses, indicating some damage is possible and the impact should be relatively localized. A Green PAGER alert was issued for estimated fatalities, indicating a low likelihood of casualties. There was no tsunami threat generated from this event.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Bogoslof experienced two explosive eruptions on July 4. The first occurred at 8:51 p.m. EDT and prompted the AVO to raise the Aviation Color Code/Alert Level to Red/Warning. A second explosive event occurred at 11:07 p.m. EDT on July 4. Seismicity on neighboring networks has remained low since the last eruption, and no further emissions have occurred at the volcano, which prompted AVO to reduce the Aviation Color Code/Alert Level to Orange/Watch. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Seismicity remained low and no activity was observed in cloudy satellite and web camera images of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kīlauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 5 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows are posing no threat to nearby communities. The summit lava lake surface was observed to be 105 feet below the floor of the Halema‘uma‘u Crater on Wednesday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## **Significant National Weather**

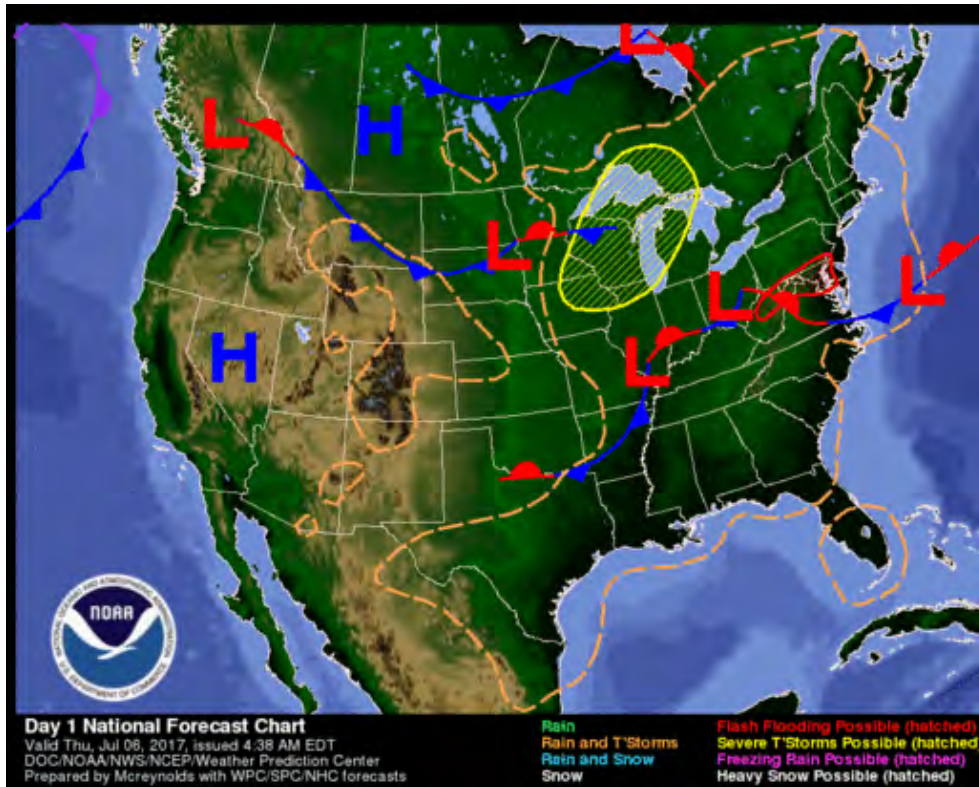
*Source: National Weather Service - July 6, 2017*

### **Today**

Rain and thunderstorms will develop from the upper Midwest to New England and eastern Canada extending south to the Southeast, the Gulf Coast, and southern Texas. Severe thunderstorms with a threat for large hail and damaging winds are expected from portions of the upper Mississippi Valley into the Great Lakes. More thunderstorms with a strong wind gusts are possible from the Tennessee Valley to North Carolina and Virginia. Heavy rain is expected to develop in the area extending from central West Virginia eastward to the mid-Atlantic. There will be the threat of localized flooding and flash flooding associated with this heavy rain. Afternoon and evening showers and thunderstorms will develop across the Rockies, the western Great Plains, and portions of the southern Four Corners. Thunderstorms could produce an isolated severe hail and wind threat from eastern Wyoming into central Nebraska. A high pressure system over the Great Basin will support well above-average temperatures, particularly from the Northwest to the northern Rockies, where afternoon highs are forecast to be 10 to 20 degrees above average into Saturday.

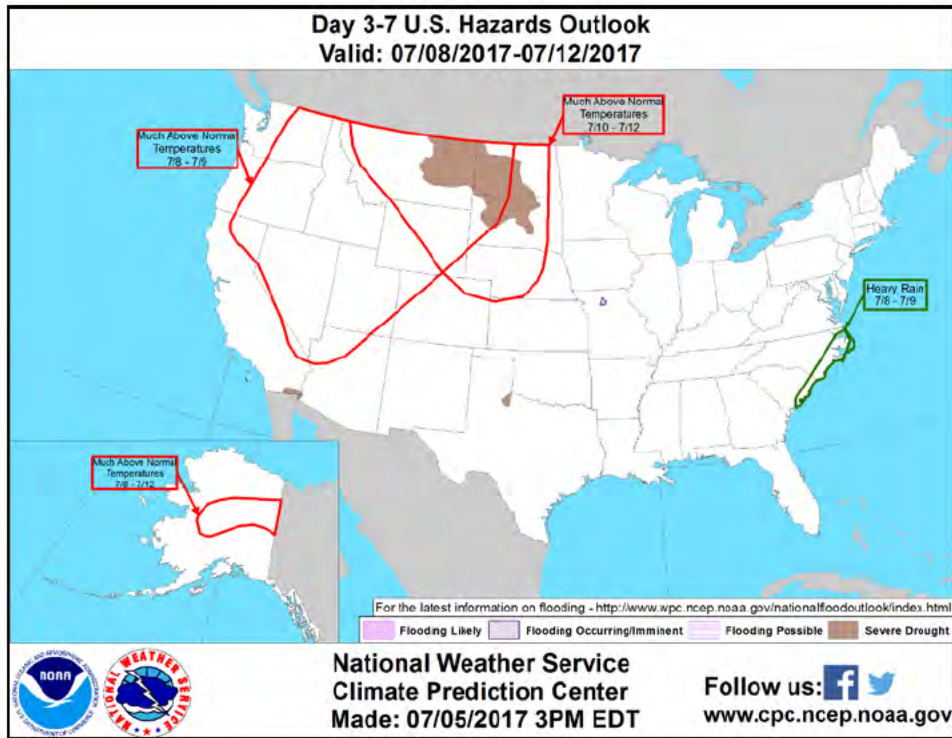
## Tomorrow

Thunderstorms will be widespread from the Great Lakes into the New England then south to the Southeast, the Gulf Coast, and southern Texas. More thunderstorms will develop across the central Plains and Rockies. Strong to severe thunderstorms are expected to develop tomorrow afternoon over the Ohio Valley and possibly into a portion of the Northeast. A few other strong to severe thunderstorms are possible over the central High Plains later tomorrow afternoon and evening. Afternoon and evening showers and thunderstorms will also dot some of the mountain ridges of the Sierras and the southern California mountains.



## Weather Hazard Assessment

- July 6: Severe drought across the northern and southern Plains, California, Hawaii, and the Southwest.
- July 6: Flooding is occurring or imminent across parts of Missouri.
- July 8-9: Much above-normal temperatures for parts of the western U.S. and the northern High Plains.
- July 8-9: Heavy rain for the coastal Carolinas.
- July 8-12: Much above-normal temperatures for parts of the interior mainland of Alaska.
- July 10-12: Much above-normal temperatures for the northern and central Rockies and the northern and central Great Plains.

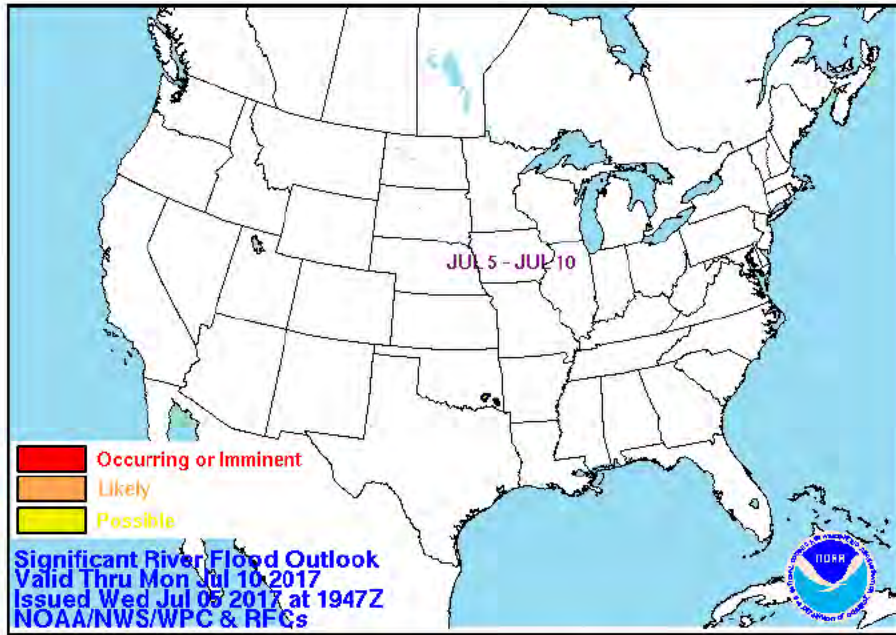


## Alaska Weather



There are Gale Warnings in effect from Wales to Cape Beaufort and in portions of the Chukchi Sea. Small Craft Advisories are in effect for the Pribilof Islands, most of the Aleutians, St. Matthew Island, from Cape Beaufort to Point Franklin, and in the remaining western shore regions. A Brisk Wind Advisory is in effect from Point Franklin to Cape Halkett.

## Significant River Flooding



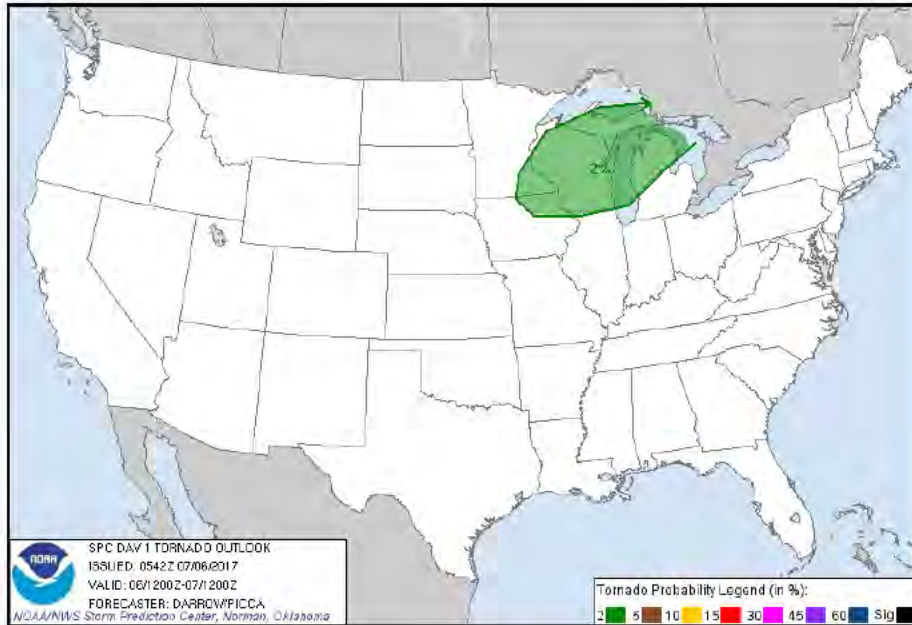
Significant River Flooding is likely today in southeastern Oklahoma.

## Severe Weather



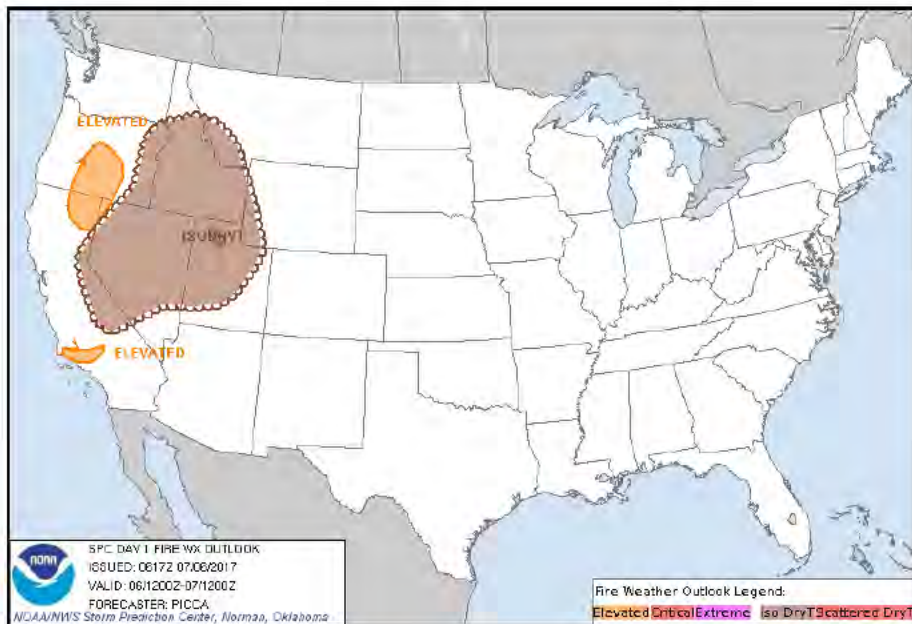
There is an Enhanced Risk of severe thunderstorm activity today from southeastern Minnesota into Wisconsin. There is a Slight Risk of severe thunderstorms from northeastern Iowa to northern lower Michigan. There is a Marginal Risk of severe thunderstorms from the northern High Plains to lower Michigan and from the mid-South to the mid-Atlantic.

## Tornado Weather



There is 2-percent chance of tornado activity across Michigan, Wisconsin, northeastern Iowa, and southeastern Minnesota.

## Fire Weather



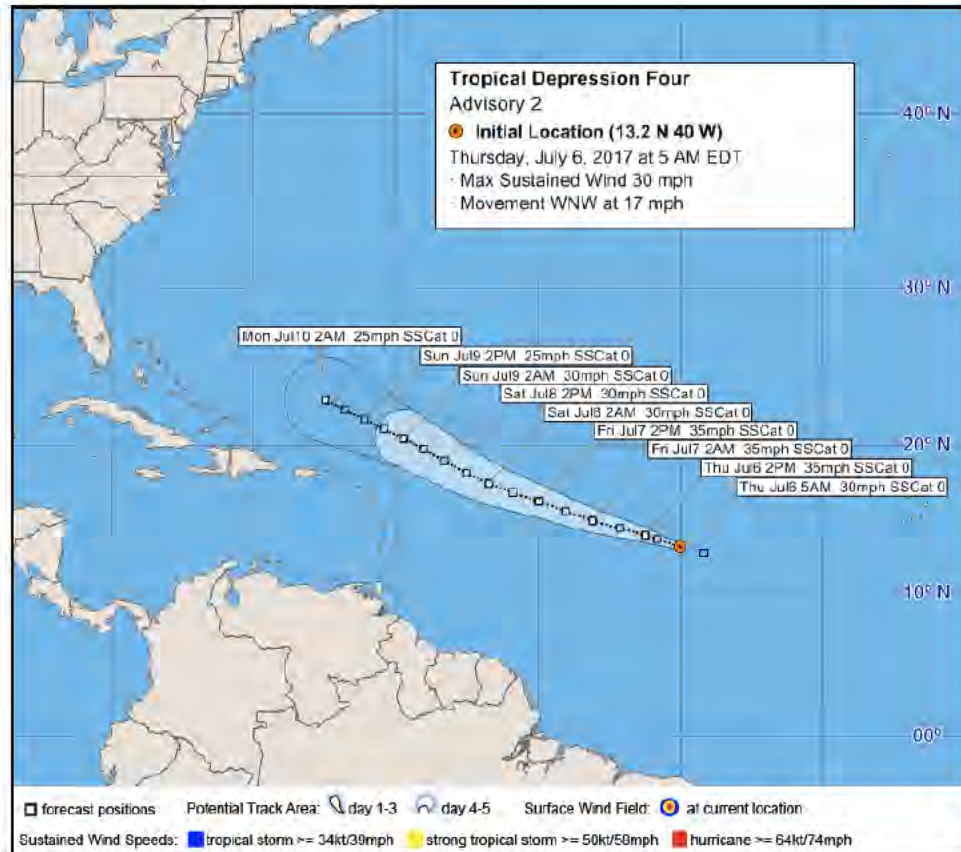
There is no Critical Fire Weather forecast for today across the United States; however, Elevated Fire Weather is forecast for portions of Oregon, northwestern Nevada, and northern and southern

California. There are Isolated Dry Thunderstorms forecast for the central and northern Great Basin regions, western Montana, and western California.

### Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – July 6, 2017*

#### Atlantic Ocean



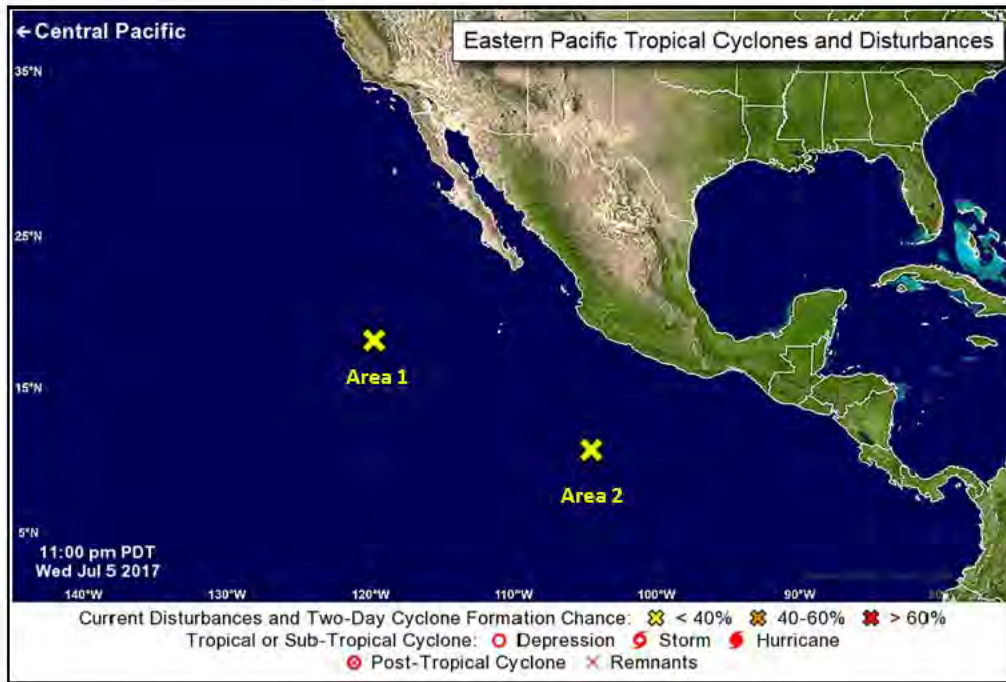
HURREVAC Image

At 5:00 a.m. EDT, the center of Tropical Depression Four was located about 1,435 miles east of the Lesser Antilles. The depression is moving toward the west-northwest near 16 miles per hour, and this motion is expected to continue, with an increase in forward speed, during the 48 hours. Maximum sustained winds are near 30 miles per hour, with higher gusts. Little change in strength is forecast during the next 48 hours, and the depression is not currently expected to become a tropical storm.

#### Eastern Pacific Ocean

**Area 1:** Showers and thunderstorms associated with a low pressure area located about 750 miles west-southwest of the southern tip of the Baja California peninsula continues to decrease. The system is moving westward at 10 to 15 miles per hour into an increasingly less favorable environment, and development of this system is unlikely. There is a 10-percent chance of tropical formation through the next 48 hours.

**Area 2:** Showers and thunderstorms are slowly becoming better organized in association with a broad area of low pressure located several hundred miles south of Manzanillo, Mexico. Environmental conditions are expected to be favorable for additional development, and this system is likely to become a tropical depression this weekend while it moves generally westward to west-northwestward at about 10 miles per hour away from the coast of Mexico. There is a 30-percent chance of tropical formation through the next 48 hours.



### Other News and Notes

#### **Train Derailment and Crude Oil Spill, Plainfield, Illinois (Final)**

Source: DOI Office of Environmental Policy and Compliance, Environmental Protection Agency - July 5, 2017

On June 30, a Canadian National (CN) train carrying 113 tanker cars of Alberta Sands Crude Oil derailed in Plainfield, Illinois. Twenty-one cars derailed from the tracks, causing a breach in two of the cars resulting in the release of the contents. It is estimated that over 40,000 gallons of crude spilled from the damaged cars. Since the accident, the Environmental Protection Agency released the site back to local authorities. There is no threat to water resources in the vicinity and no impacts to wildlife. Skimming operations are still underway to remove an additional 10,000 gallons of crude from a trench at the site.

*\*End of Report\**



**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, July 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 3**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Grounded Tanker - Washington

*Source: DOI Office of Environmental Policy and Compliance (OEPC)- July 6, 2017*



IGEMS Image

On July 6, the DOI Office of Environmental Policy and Compliance (OEPC) reported a 557-foot Panamanian-flagged tanker, the *Argent Cosmos*, ran aground on the Washington side of the Columbia River near Skamokawa, Washington. The tanker was refloated and escorted by tugs to berth in Longview, Washington. The Lewis and Clark National Wildlife Refuge and the Julia Butler Hansen Refuge for the Columbian White-Tailed Deer were both in close proximity to the mishap. No product release was reported or observed by the U.S. Coast Guard. The OEPC Regional Environmental Office in Portland, Oregon, will continue to monitor the situation until the vessel is at berth.

## **Earthquake - Montana**

### **Bureau of Land Management Update**

*Source: Bureau of Land Management Emergency Coordinator Report - July 6, 2017*

The United States Geological Survey (USGS) reported that a magnitude 5.8 earthquake occurred at 2:30 a.m. EDT on July 6, approximately 6.8 miles to the south-southeast of Lincoln, Montana, at a depth of 8.4 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage.

The Bureau of Land Management (BLM) state office has reported no damage to facilities or lands in the area of the earthquake. Field personnel are scheduled to inspect bridges for damage and make determinations for more formal engineering inspections, if warranted.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - July 7, 2017*

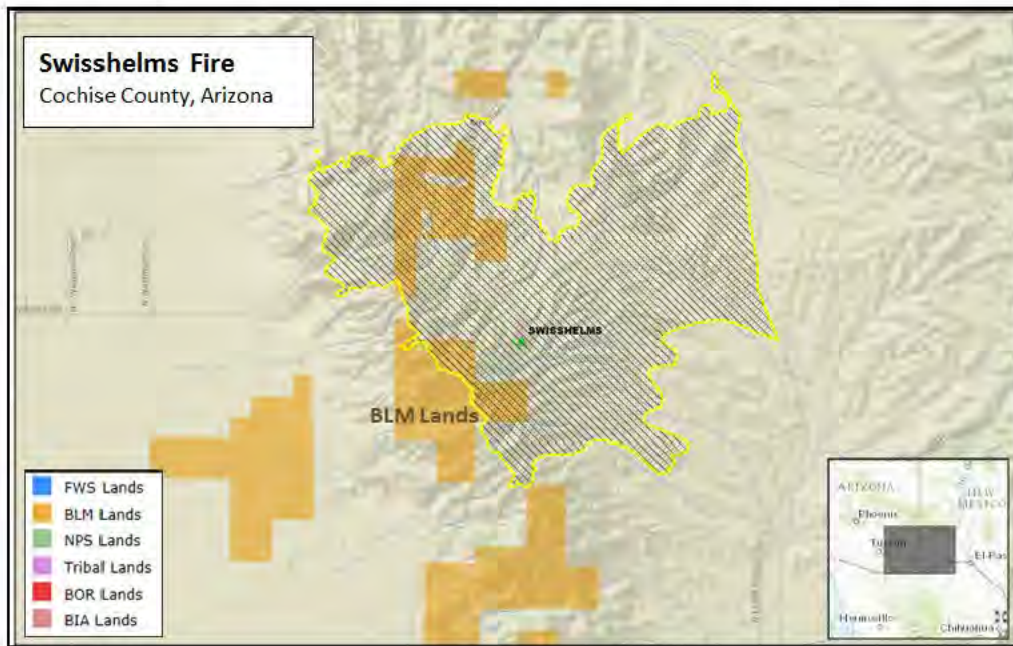
The **Silver Dollar Fire** in Washington reached 100-percent containment on July 6 and will no longer be summarized.

## **Arizona Fires**

### **Swisshelms Fire (Initial)**

- Start Date: June 27
- Location: Cochise County
- Burned Acres: 10,950
- Containment: 75-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 166 / 10
- Structures Threatened-Single-Mixed Residential/Commercial: 4 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 2 / 0
- Containment Date: July 15

Comments: Fire behavior was minimal during this reporting period. Erratic winds could impact containment lines to the south. The fire is burning BLM parcels in the Swisshelms Mountains, east of Elfrida and three miles north of the Leslie Canyon National Wildlife Refuge (FWS).

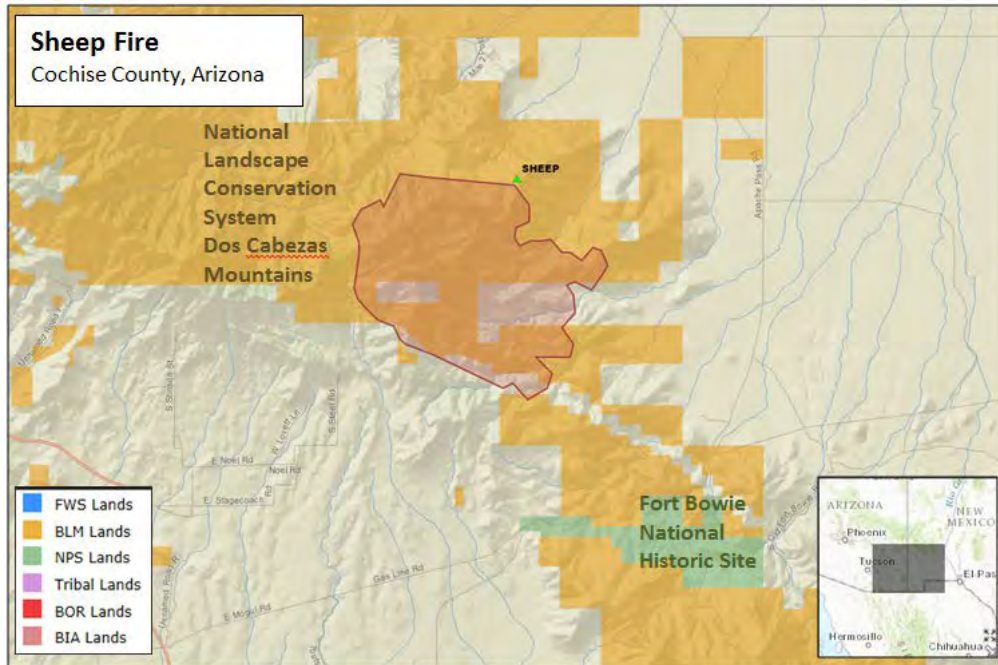


IGEMS Image

### Sheep Fire (Initial)

- Start Date: July 3
- Location: Cochise County, AZ (BLM)
- Burned Acres: 2,800
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 117 / 40
- Structures Threatened-Single-Mixed Residential/Commercial: 15 / 3
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 29

Comments: Fire behavior is described as active, with wind driven runs, uphill runs, and flanking behavior. The primary fuels are tall grass and brush. The fire suppression strategy is a mixture of confinement (40-percent), point zone protection (10-percent), and full suppression (50-percent). Weather is hampering suppression efforts due to scattered thunderstorms, erratic winds, and lightning.

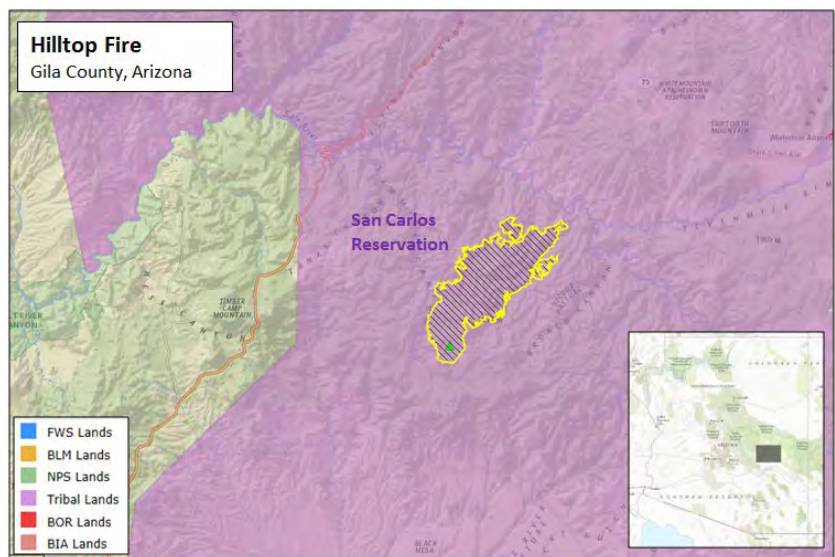


IGEMS Image

## Hilltop Fire

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 23,519 (+3,873)
- Containment: 5-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 816 (+54) / 321 (+21)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 8 (no change) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as active during this reporting period. The fire is burning in remote and steep terrain with few natural barriers to slow its spread. The fire has the potential to cross Black River/Salt River, which would result in a pre-evacuation notice being issued.

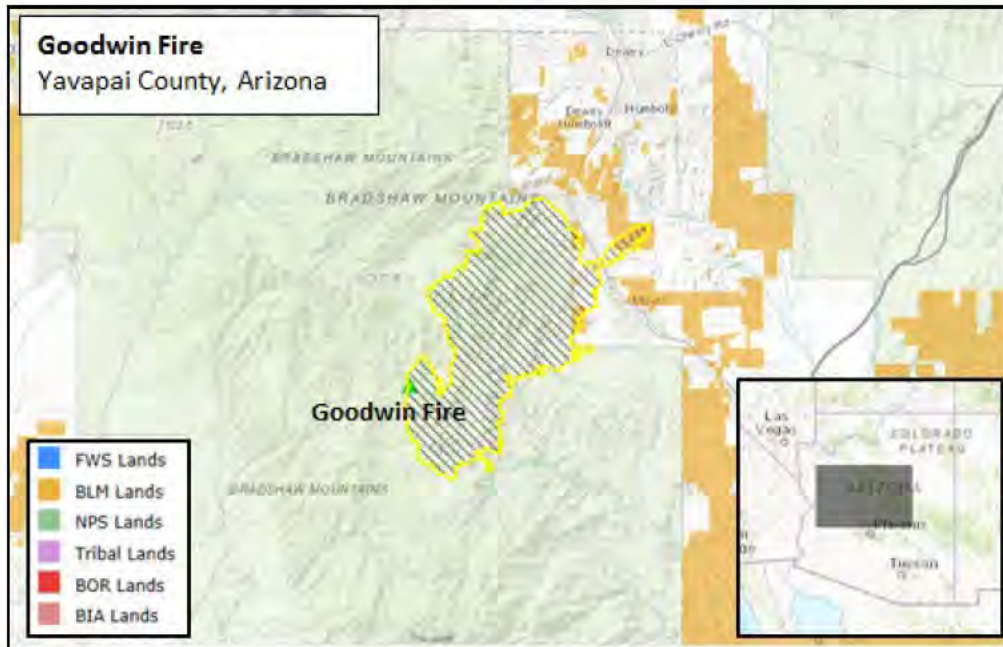


IGEMS Image

## Goodwin Fire

- Start Date: June 24
- Location: Yavapai County, AZ
- Burned Acres: 28,516 (no change)
- Containment: 95-percent (+2)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 159 (-2) / 11 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,400 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 9,000 (no change) / 2 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: July 13

Comments: The Goodwin Fire is a state fire which intersects with Bureau of Land Management (BLM) lands. Fire behavior was minimal during this reporting period, and the fire continues to consume interior islands of unburned fuels. Fifteen homes have been destroyed by this fire.



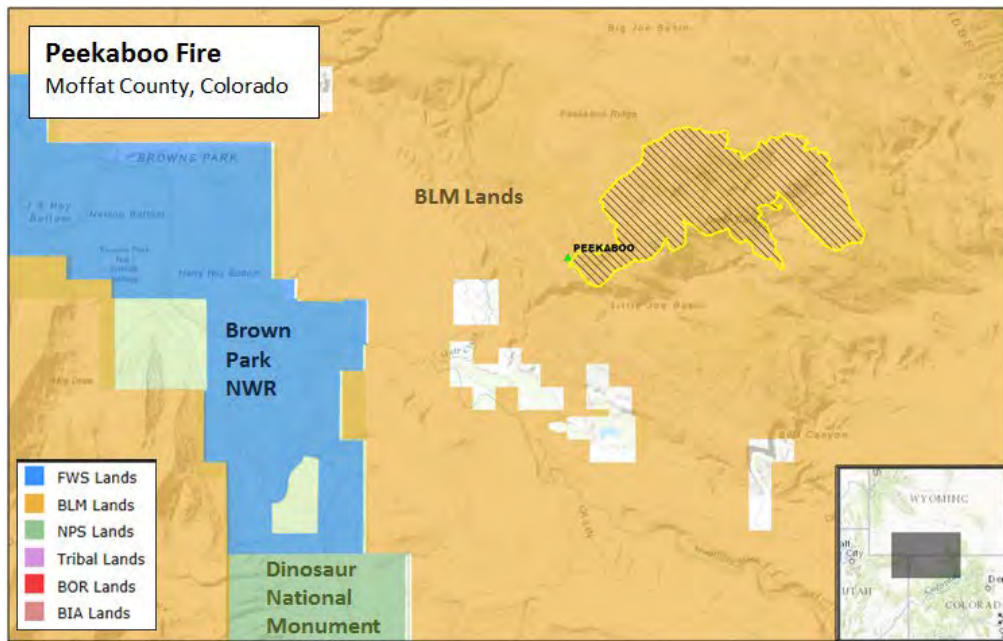
IGEMS Image

## Colorado Fires

### **Peekaboo Fire (Initial)**

- Start Date: June 27
- Location: Moffat County (BLM)
- Burned Acres: 8,000
- Containment: 5-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 97 / 38
- Structures Threatened-Single-Mixed Residential/Commercial: 4 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 20

Comments: The fire was started by lightning on BLM lands north of Maybell, CO. The fire is burning to the northwest, about 2 miles east of Browns Park National Wildlife Refuge (FWS) and 4 miles north of Dinosaur National Monument (NPS). Fire behavior was reported as extreme with torching and uphill runs. Managers are expecting another 3,000 acres of growth in the next 24 hours. Sage Grouse habitat and archaeological sites are being threatened.



IGEMS Image

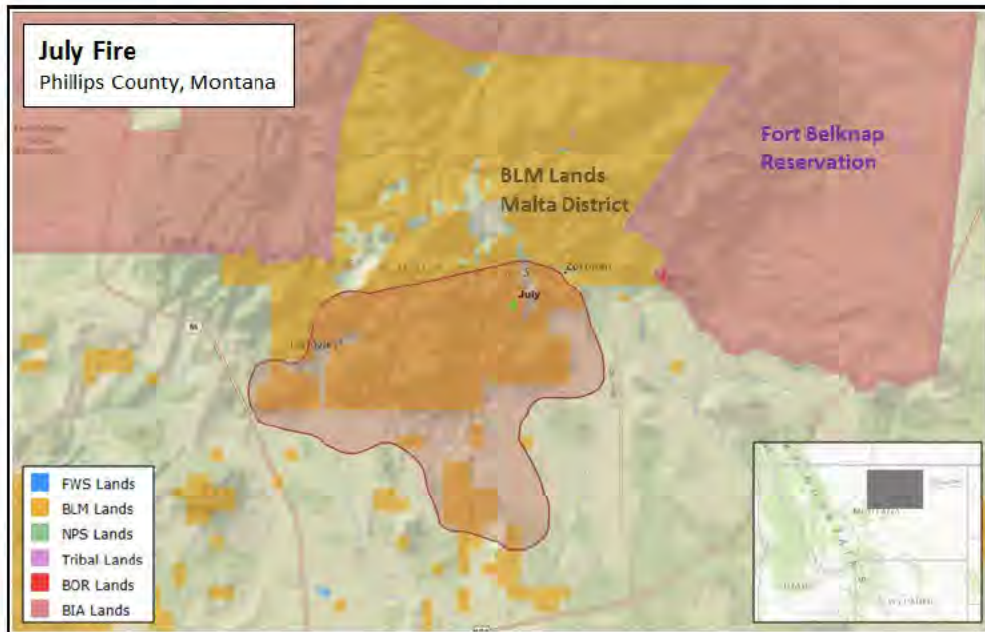
## Montana Fires

### July Fire

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 9,000 (+6,900)
- Containment: 25-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 189 (+55) / 51 (+7)
- Structures Threatened-Single-Mixed Residential/Commercial: 101 (+71) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 14

Comments: Fire activity was described as active during this reporting period, with short crown runs, running, and spotting. The fire threatens the communities of Zortman and Landusky, and also the Fort Belknap Reservation. The weather for the next several days is predicted to be hot and dry.





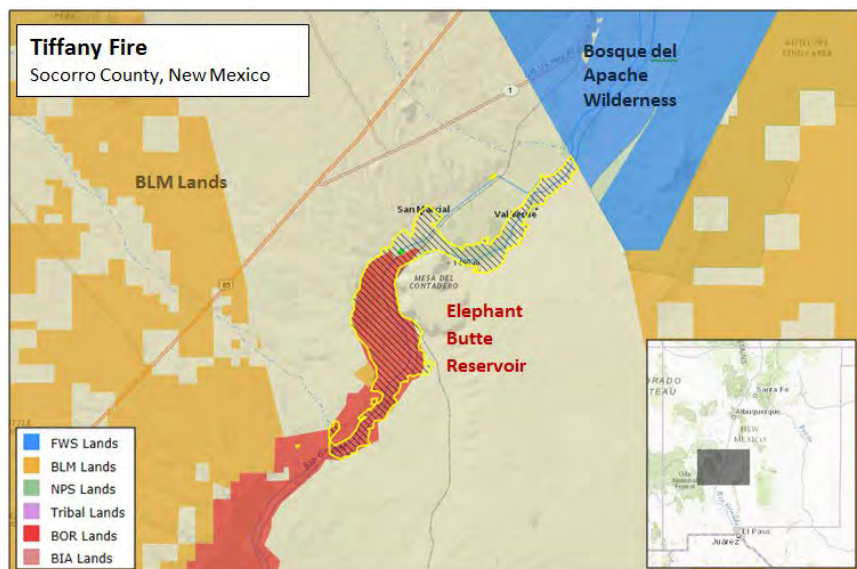
IGEMS Image

## New Mexico Fires

### Tiffany Fire

- Start Date: June 26
- Location: Socorro County, NM
- Burned Acres: 9,200 (+2,453)
- Containment: 82-percent (+3)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 109 (-50) / 35 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 (no change) / 2 (no change)
- Evacuations / Sheltered in place: 5 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 12

Comments: The fire behavior was described as moderate during this reporting period, and additional perimeter spread is expected. Railroad traffic continues without restrictions, and the El Paso Electric High Kilovolts (KV) line has been re-energized. Transfer of command to a Type-4 organization and demobilization of the Albuquerque Type-3 IMT is scheduled within the next reporting period.



IGEMS Image

## Nevada Fires

### Earthstone Fire

- Start Date: July 3
- Location: Washoe County, NV (BLM)
- Burned Acres: 33,700 (+6,915)
- Containment: 30-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 280 (-13) / 38 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 (+49) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0
- Containment Date: July 10

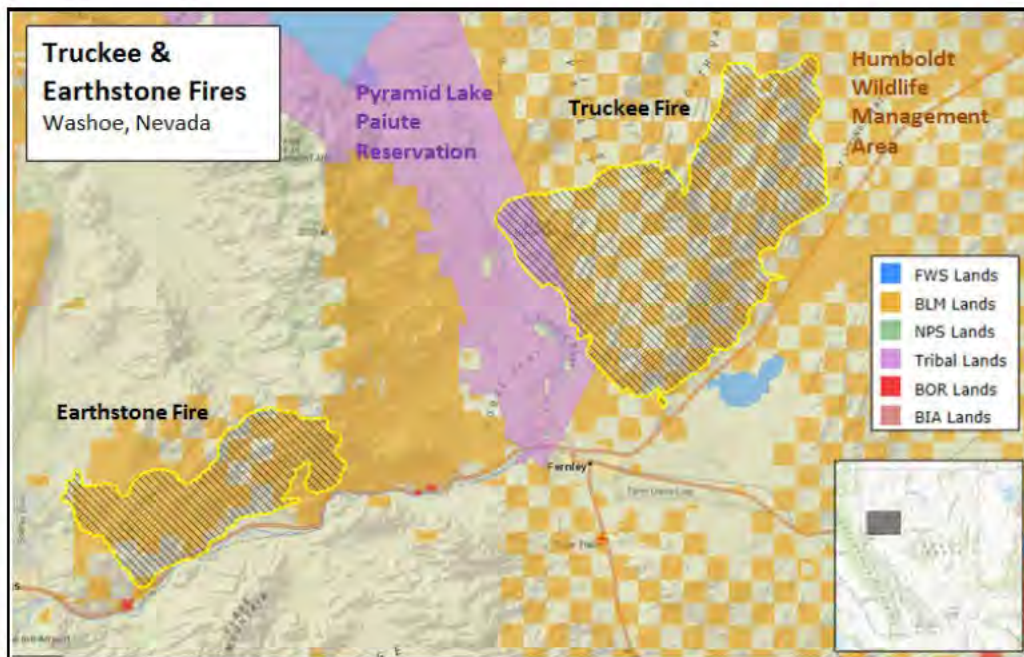
Comments: Fire behavior was described as active during this reporting period. The interior unburnt fuels have burnt out, but there is still some smoldering and creeping. Portions of Interstate-80, historic buildings, the Paiute Gas Line, and radio and communication sites are threatened. High temperatures and low humidity persist. The fire continues to move to the northeast and east.

### Truckee Fire

- Start Date: July 3
- Location: Washoe County, NV
- Burned Acres: 83,400 (+12,854)

- Containment: 35-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 158 (-14)/ 48 (+21)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 9

Comments: The fire behavior has been active with running as the interior islands burn. The primary fuel for this fire is short grass, and the fire does pose a threat to high energy transmission lines. Above normal temperatures and single digit humidity are expected to hamper suppression activities over the next 24 hours.



IGEMS Image

### Dry Gulch Fire

- Start Date: July 4
- Location: Elko County, NV (BLM)
- Burned Acres: 28,000 (+26,000)
- Containment: 0-percent (-60)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 231 (+167) / 60 (+26)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0

- Responder Injuries / Fatalities: 1 (+1) / 0
- Containment Date: July 13

Comments: The fire behavior was described as active during this reporting period, with running and single tree torching. Thunderstorms with dry lightning and winds from the south are a concern over the next reporting period. Managers are requesting additional resources, including heavy airtankers.



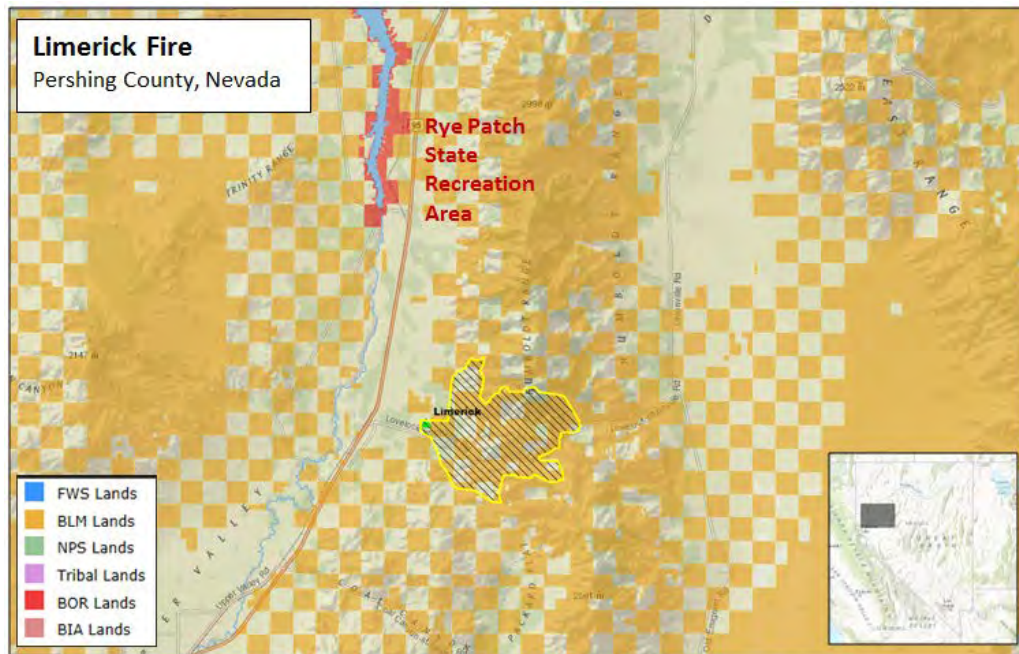
IGEMS Image

### Limerick Fire

- Start Date: July 3
- Location: Pershing, County, NV (BLM)
- Burned Acres: 14,656 (no change)
- Containment: 75-percent (+45)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 315 (+19) / 36 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 2 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 9

Comments: Fire behavior was described as moderate during this reporting period, and additional perimeter growth is likely to the north and east. Steep and rough terrain will limit access for

engines and equipment around the fire perimeter. This fire is located in and adjacent to Sage Grouse habitat and is currently threatening multiple ranches and structures in the area.



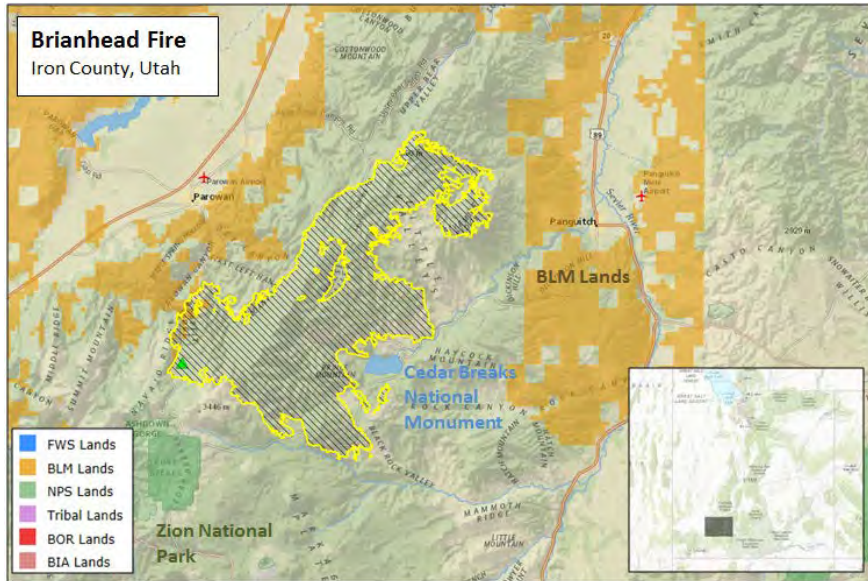
IGEMS Image

## Utah Fires

### **Brianhead Fire**

- Start Date: June 17
- Location: Iron County, Utah (BLM)
- Burned Acres: 69,568 (+1,161)
- Containment: 75-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,073 (-259) / 285 (-8)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 28 (+1) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, though it is burning on some BLM parcels. Fire behavior was active with torching and crowning during this reporting period. Dry thunderstorms will continue through today. There are more than 9,500 acres of Sage Grouse habitat impacted. The Great Basin Team 7 will take command on July 9.



IGEMS Image

## Washington Fires

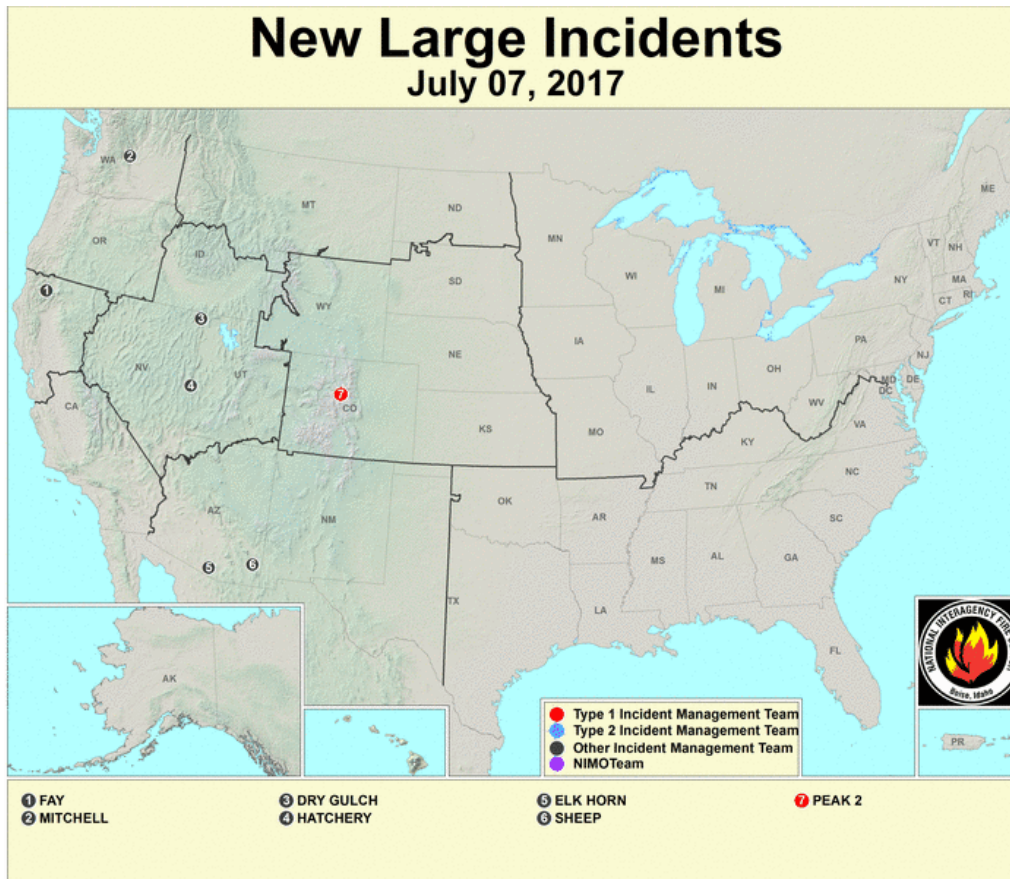
### **Rattlesnake Hills Fire (Initial)**

- Start Date: July 6
- Location: Yakima County, Washington (BLM)
- Burned Acres: 2,500
- Containment: 40-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 136 / 20
- Structures Threatened-Single-Mixed Residential/Commercial: 30 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 8

Comments: The Rattlesnake Hills fire exhibits extreme fire behavior. Primary fuel sources are short grass, tall grass, and brush. The fire is 1 mile south of Moxee and borders the Yakima Reservation. Weather is a concern with temperatures above 100 degrees forecast, along with 20 mile per hour winds. Power transmission lines, orchards, and residences are threatened by this fire.



### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 7, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Moderate (216 new fires)
New large fires:	12
Large fires contained:	7
Uncontained large fires: **	27
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	8

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in seismic, infrasound, or satellite data during the past observation period. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. AVO has no ground-based volcano monitoring equipment on Bogoslof Volcano; however, they continue to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in cloudy satellite and web camera images of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.



## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 6 2017

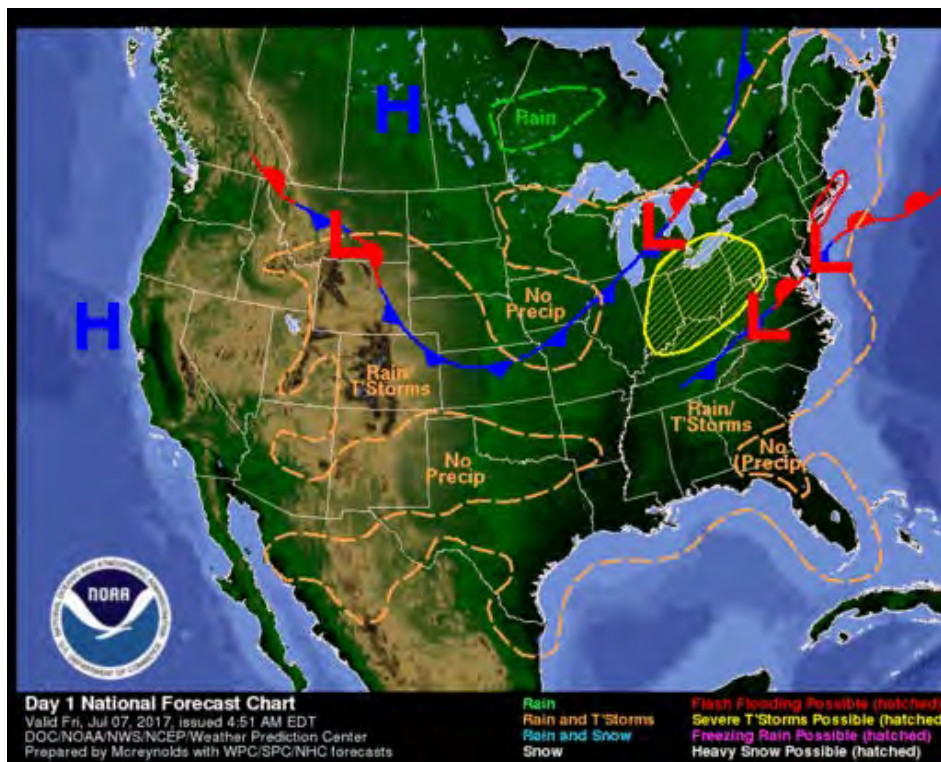
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone, with no significant changes during this observation period. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities. Minor deflationary tilt continued for the second day in a row, consistent with the deflation phase of a DI event. The summit lava lake surface was observed to be 135 feet below the floor of the Halema‘uma‘u Crater on Wednesday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## Significant National Weather

Source: National Weather Service - July 7, 2017



## Today

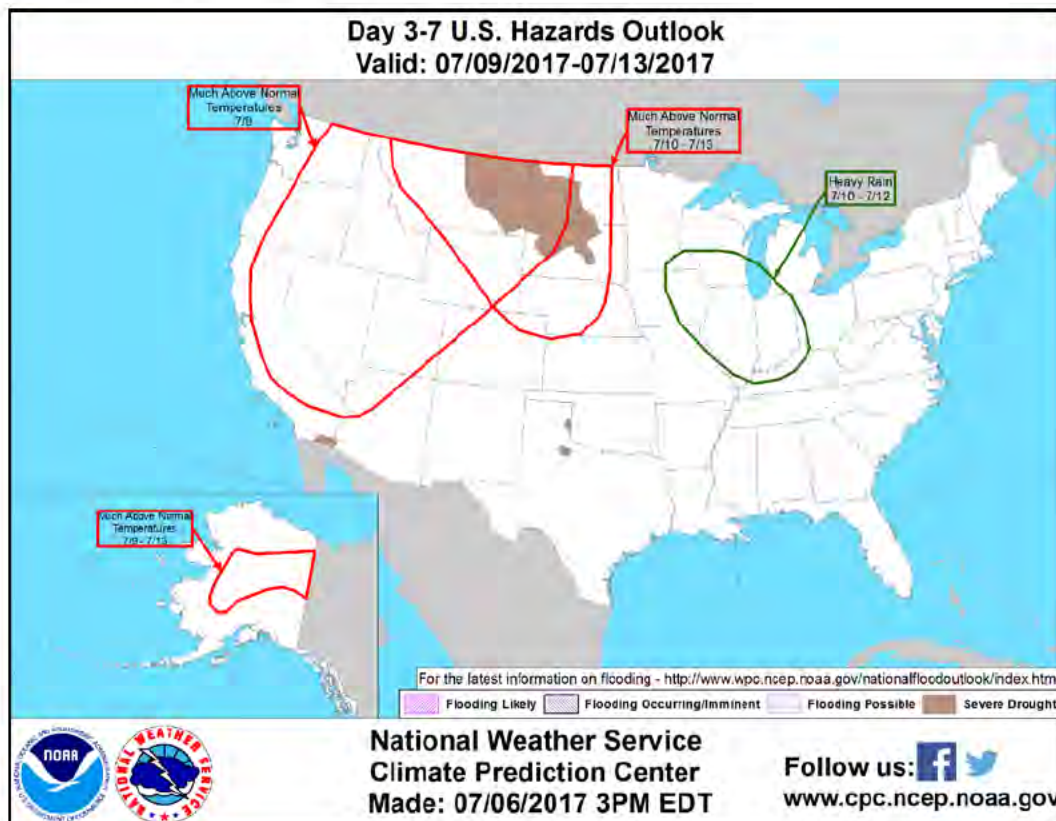
Rain and thunderstorms will develop across the upper Midwest, the Great Lakes, the Northeast, New England, the Deep South, the lower Mississippi Valley, and southern Texas. Strong to severe thunderstorms are expected to develop across the Ohio Valley and portions of the lower Great Lakes later today. A few strong thunderstorms can also be expected across the central High Plains extending along a front into the Ozark Plateau. Heavy rain and flash flooding will

be possible for portions of the New England coastal region from Long Island to Cape Cod. Afternoon and evening showers and thunderstorms will develop across the Rockies and portions of the Four Corners. Hot and mostly dry conditions will prevail across the West as high pressure remains anchored over the Four Corners region through the weekend. Much of the Desert Southwest has excessive heat warnings in effect with highs expected in the 110 to 120 degree range. Some locations in the interior Northwest and the northern Rockies are forecast to rise well into the 90s to near 100, 10 to 20 degrees above average.

### Tomorrow

Showers and thunderstorms will develop across the Northeast and New England. Additional areas of rain and thunderstorms will exist along the Appalachians and across portions of the mid-Atlantic, the Southeast, and the Deep South. Isolated severe thunderstorms will be possible across parts of New England, the mid-Atlantic, and the Southeast. Rain and thunderstorms are likely for the lower Mississippi Valley, the central and southern Plains, and the Midwest. Isolated severe thunderstorms will be possible for the southern Plains and from parts of the central High Plains to central Nebraska. An area of rain and thunderstorms will also be found across portions of the northern High Plains. Afternoon and evening showers and thunderstorms will develop over the Rockies, the Four Corners region, and the Sierras.

### Weather Hazard Assessment



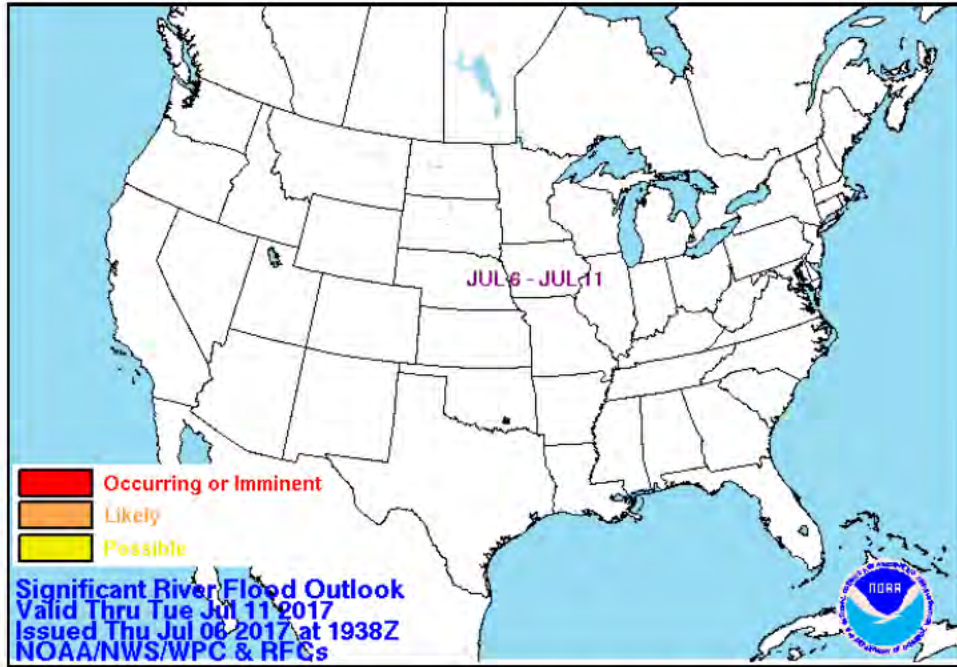
- July 7: Flooding possible across parts of Oklahoma.
- July 7: Severe Drought across parts of the Great Plains, Arizona, California, and Hawaii.
- July 9: Much above-normal temperatures for parts of the western U.S. and the northern High Plains.
- July 9-13: Much above-normal temperatures for parts of the interior of Alaska.
- July 10-13: Much above-normal temperatures for much of the northern and central Rockies, and the northern and central Great Plains.

## Alaska Weather



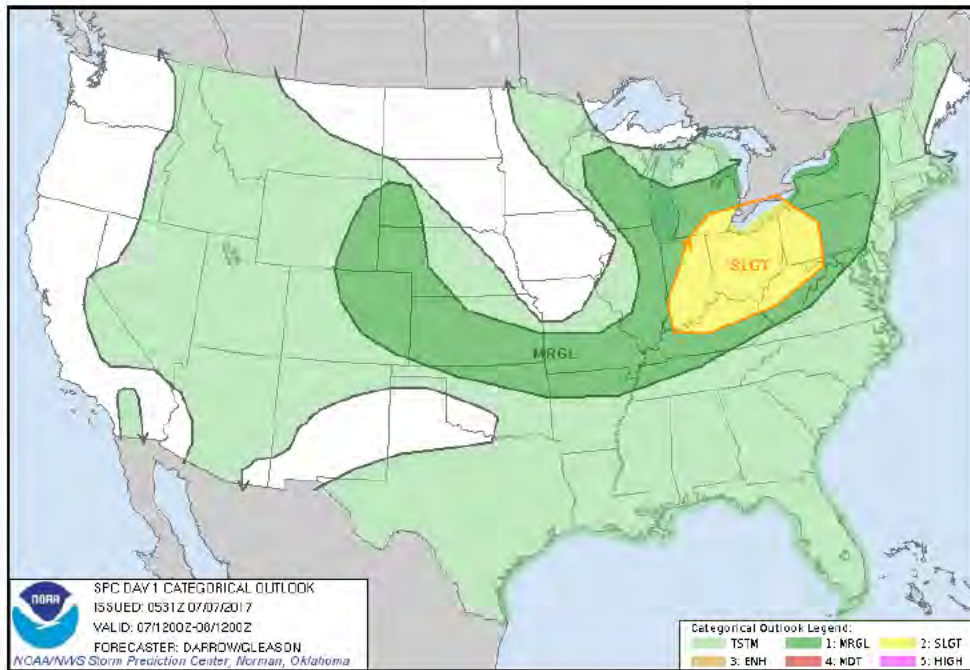
A Gale Warning is in effect from Cape Beaufort to Point Franklin. Small Craft Advisories are in effect for the Pribilof Islands, most of the Aleutians, St. Matthew Island, from Cape Beaufort to Point Franklin, and in the remaining western shore regions. A Brisk Wind Advisory is in effect from Point Franklin to Cape Halkett. A Flood Advisory is in effect for areas north of Kotzebue, the upper Tanana Valley, and the Fortymile Country.

## Significant River Flooding



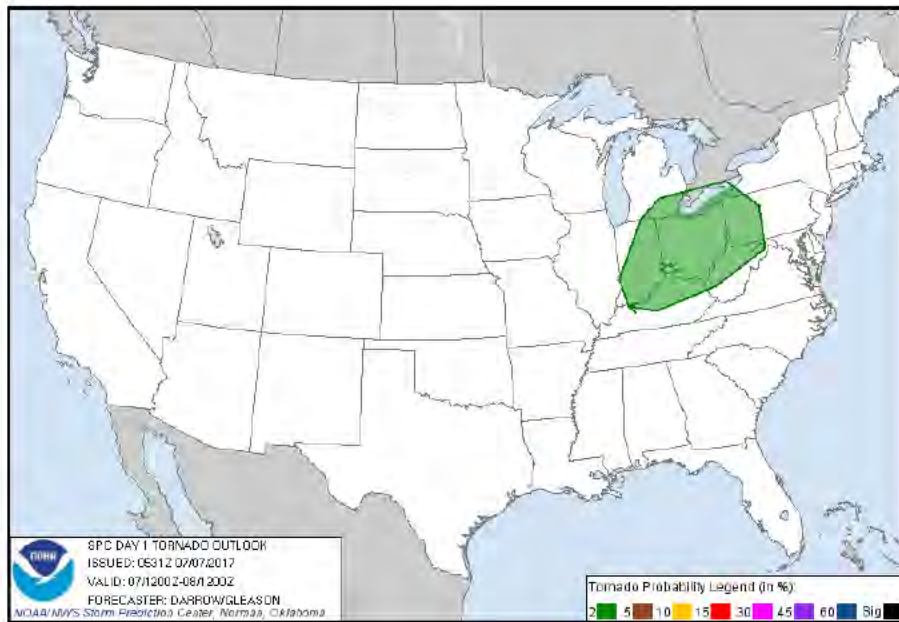
Significant River Flooding is occurring today in south-central Oklahoma.

## Severe Weather



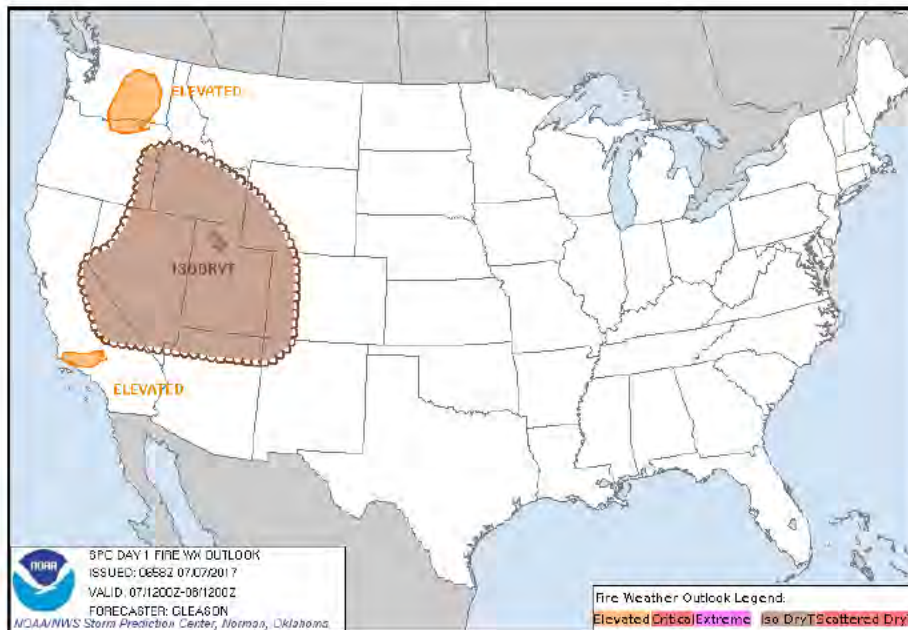
There is a Slight Risk of severe thunderstorms across eastern Indiana, Ohio, southern Michigan, and western Pennsylvania. There is a Marginal Risk of severe thunderstorms from the central High Plains through the Ozark Plateau and into upstate New York.

### Tornado Weather



There is 2-percent chance of tornado activity across eastern Indiana, Ohio, southern Michigan, western Pennsylvania, northern Kentucky, and northwestern West Virginia.

### Fire Weather

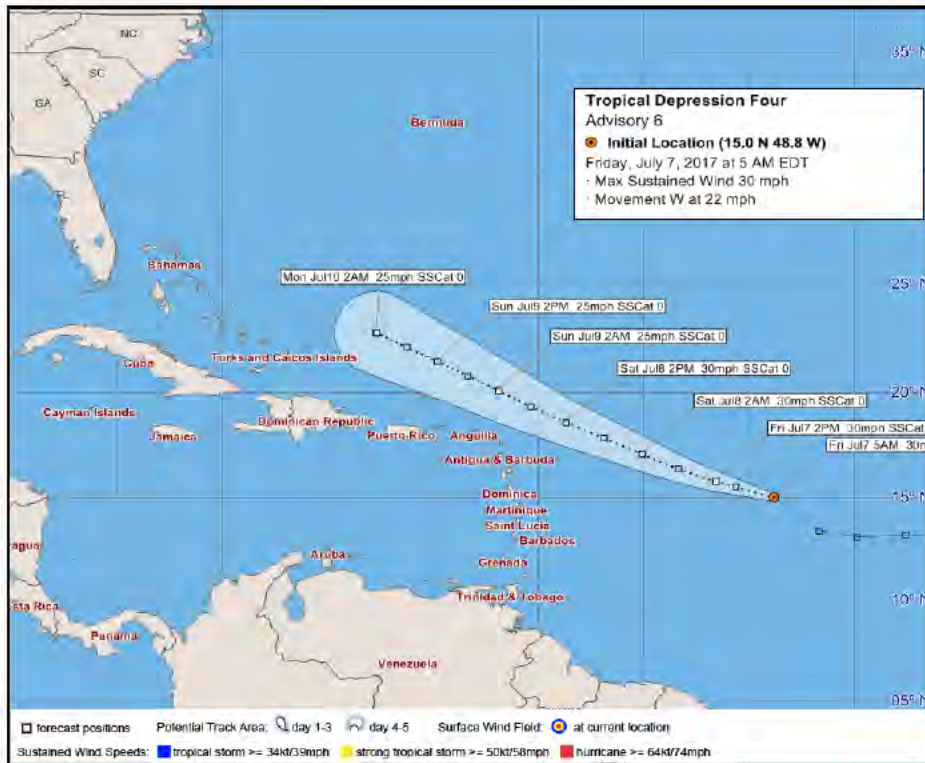


There is no Critical Fire Weather forecast for today across the United States; however, Elevated Fire Weather is forecast for central Washington and portions of southern California. There are Isolated Dry Thunderstorms forecast across Nevada, Utah, eastern California, northern Arizona, northwestern New Mexico, western Colorado, southern Idaho, and eastern Oregon.

### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – July 7, 2017*

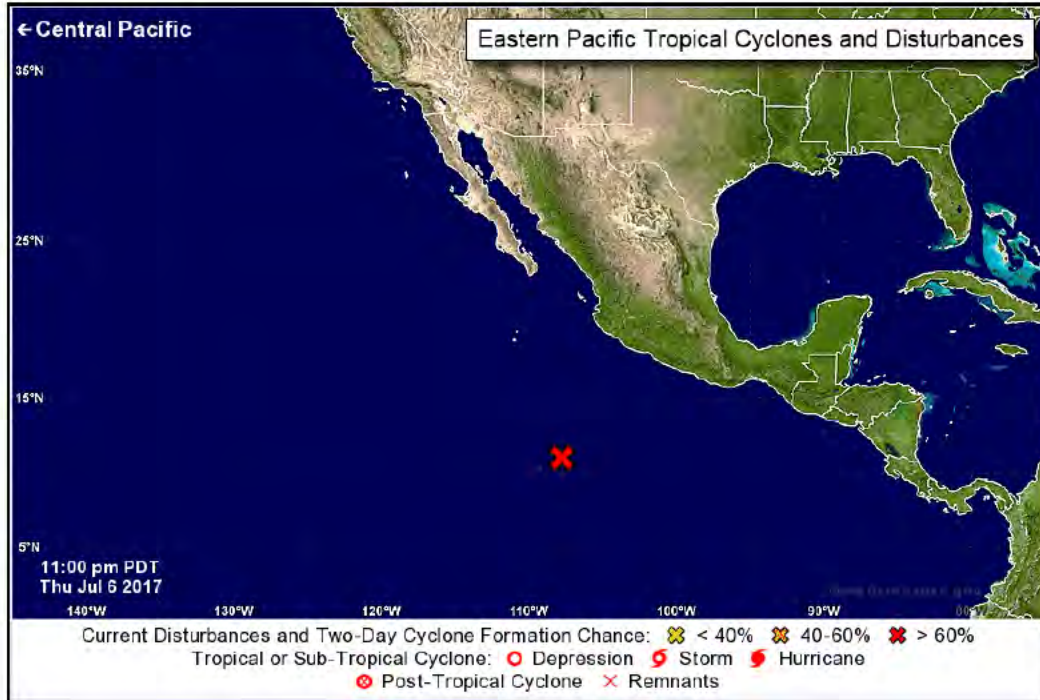
#### **Atlantic Ocean**



*HURREVAC Image*

At 5:00 a.m. EDT, the center of Tropical Depression Four was located about 985 miles east of the Lesser Antilles. The depression is moving toward the west at 23 miles per hour, and this motion is expected to continue through Saturday. Maximum sustained winds are near 30 miles per hour, with higher gusts. Little change in strength is forecast during the next 48 hours, and the depression is not currently expected to become a tropical storm.

## Eastern Pacific Ocean



A well-defined low pressure system, located about 800 miles south of the southern tip of the Baja California peninsula, is producing a large area of cloudiness and thunderstorms. Associated shower activity continues to become better organized, and environmental conditions are conducive for a tropical depression to form today while the low moves west-northwestward or northwestward at about 10 miles per hour. This system has a 90-percent chance of becoming a tropical cyclone within the next 48 hours.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, July 10, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 10, 2017*

The **Truckee Fire** in Nevada reached 100-percent containment on July 8 and will no longer be summarized. The **Swishhelms Fire** and the **Rattlesnake Fire** ICS 209's have not been updated and will not be reported on today.

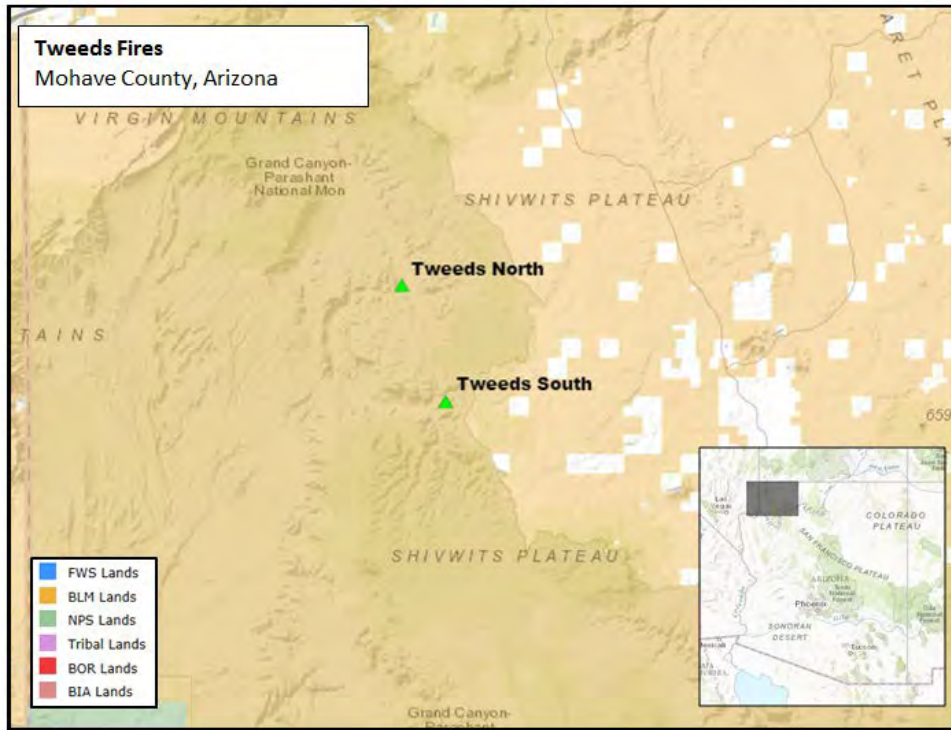
## Arizona Fires

### **Tweeds North (Initial)**

- Start Date: July 8
- Location: Mohave County, AZ (BLM)
- Burned Acres: 1,078
- Containment: 50-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 30 / 25
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: July 10



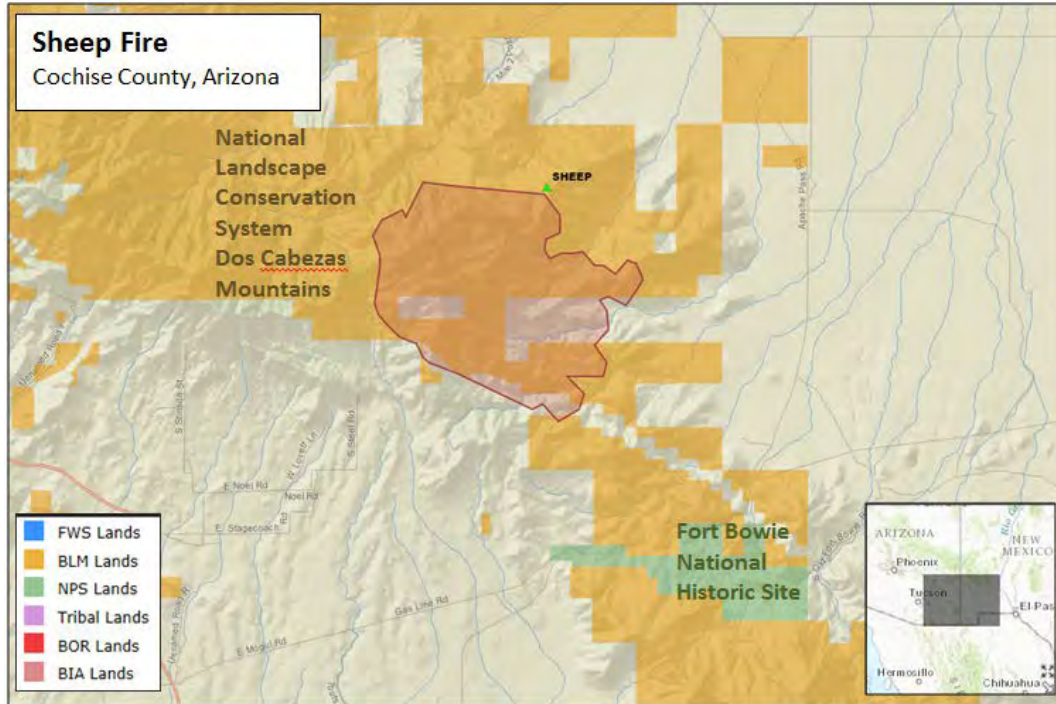
Comments: Fire behavior was described as active, with wind driven runs, during this reporting period. The spread potential is light.



## Sheep Fire

- Start Date: July 3
- Location: Cochise County, AZ (BLM)
- Burned Acres: 4,617 (+1,817)
- Containment: 65-percent (+65)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 121 (+4) / 54 (+14)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 (-14) / 0 (-3)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire behavior was described as minimal during this reporting period. Over the next 12 hours, the only growth projected within the fire would be from outflow winds. The weather forecast is scattered thunderstorms, erratic winds, and lightning. There is minimal threat to private property and communities.

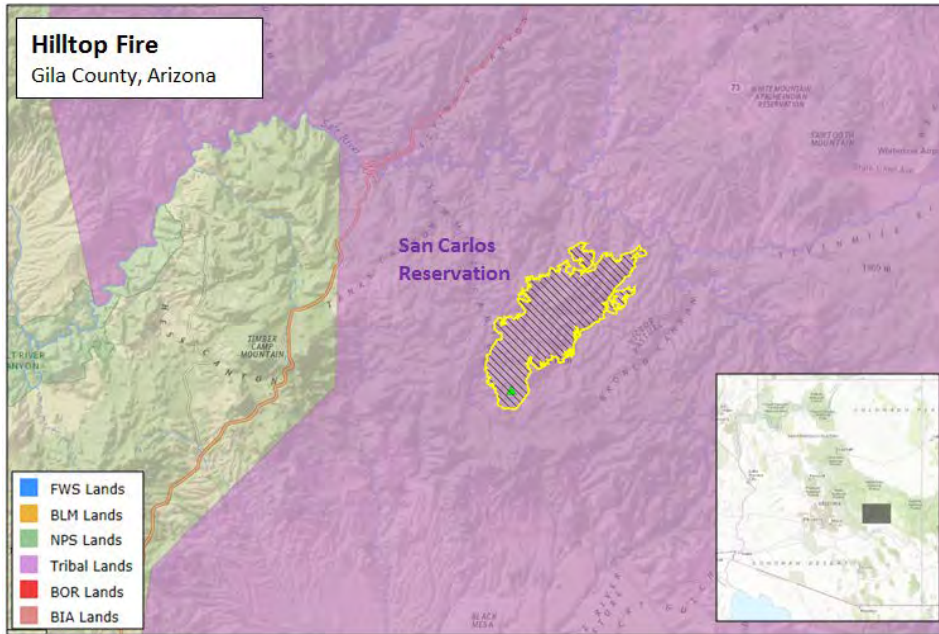


IGEMS Image

## Hilltop Fire

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 32,569 (+9,050)
- Containment: 30-percent (+25)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 791 (-25) / 305 (-16)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 12 (+4) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as moderate, with isolated torching, during this reporting period. Over the next 48 hours, the fire is anticipated to continue spreading due to availability of fuels, topography, and weather conditions. The fire is burning in remote and steep terrain with few natural barriers to slow its spread.

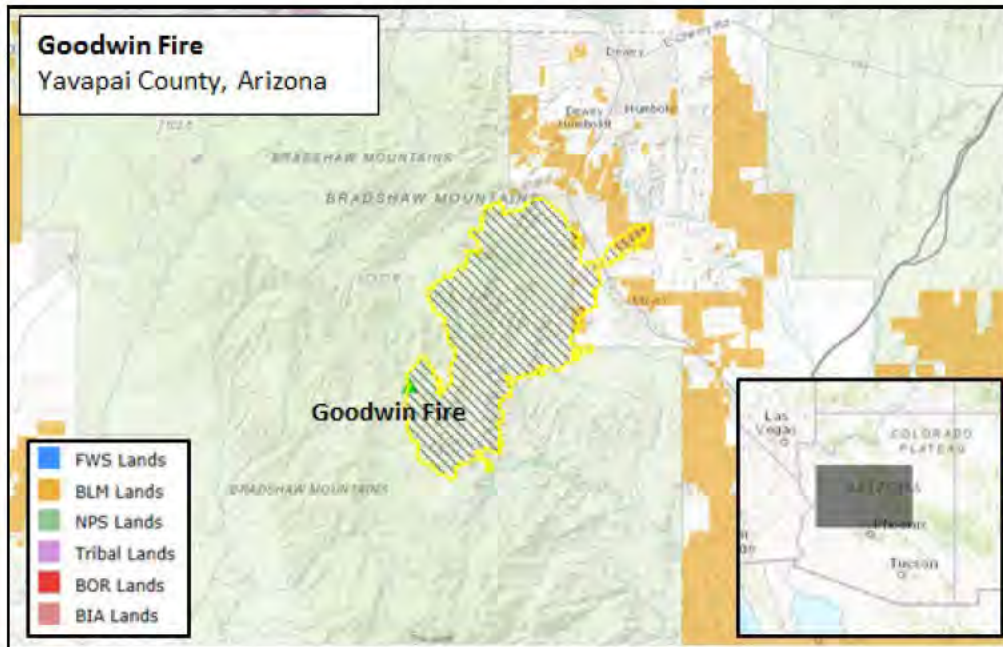


IGEMS Image

## Goodwin Fire

- Start Date: June 24
- Location: Yavapai County, AZ
- Burned Acres: 28,516 (no change)
- Containment: 98-percent (+3)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 85 (-74) / 11 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,400 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 9,000 (no change) / 2 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 4 (no change) / 0 (no change)
- Containment Date: July 10

Comments: The Goodwin Fire is a state fire which intersects with Bureau of Land Management (BLM) lands. Fire behavior was minimal during this reporting period, and the fire continues to consume interior islands of unburned fuels on the Big Bug Mesa. This fire will transition to a Type-4 IMT later today.



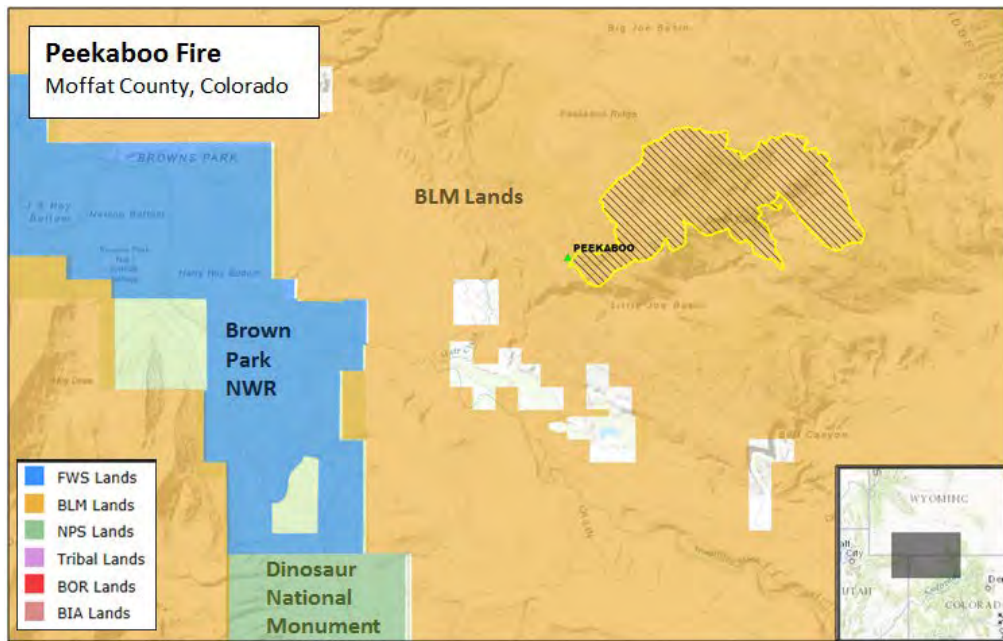
IGEMS Image

## Colorado Fires

### **Peekaboo Fire**

- Start Date: June 27
- Location: Moffat County, CO (BLM)
- Burned Acres: 12,515 (+4,515)
- Containment: 40-percent (+35)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 325 (+228) / 99 (+61)
- Structures Threatened-Single-Mixed Residential/Commercial: 4 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 3 (+3)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: July 20

Comments: Based on the fire behavior, significant fire spread is possible to the east of the fire. There are continued impacts to the Sage Grouse habitat, cultural resources, and historical structures.



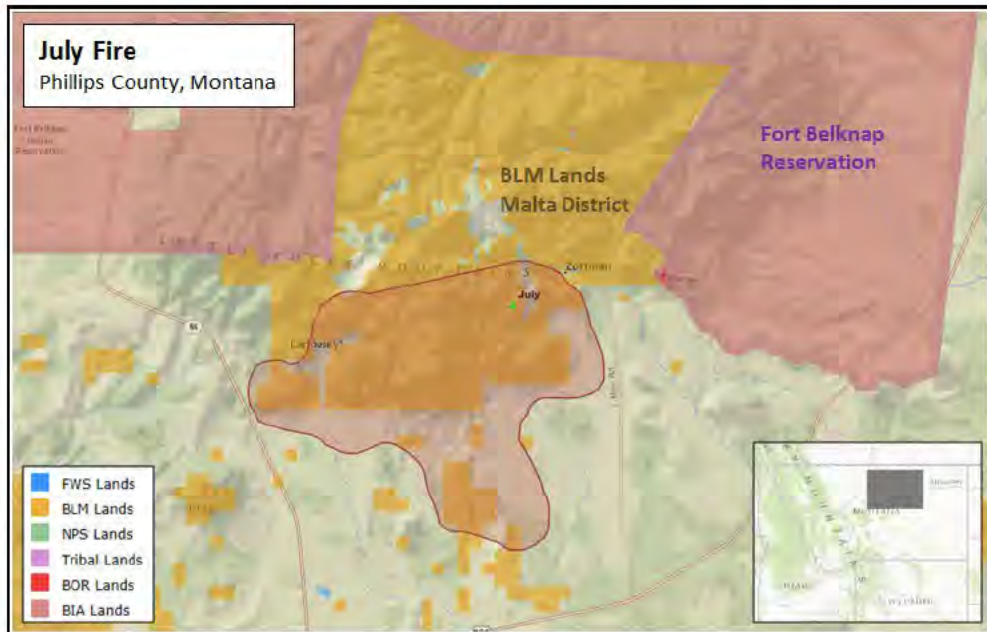
IGEMS Image

## Montana Fires

### July Fire

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 10,542 (+1,542)
- Containment: 50-percent (+25)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 436 (+247) / 120 (+69)
- Structures Threatened-Single-Mixed Residential/Commercial: 101 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: July 14

Comments: Fire activity was described as active during this reporting period. The fire is within Landusky and is approximately 200 yards from the community of Zortman. The fire is also threatening the communities of Hays and Lodgepole. The fire has been contained on the east flank. Some thunderstorms, possibly severe, are expected in the area.



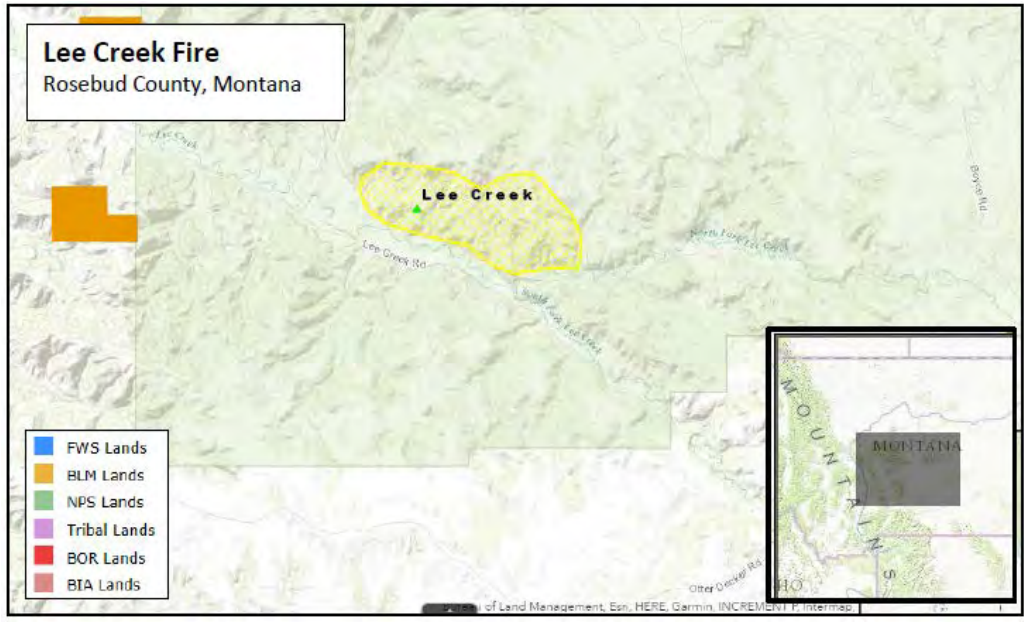
IGEMS Image

## Montana Fires

### Lee Creek (Initial)

- Start Date: July 6
- Location: Rosebud County, MT (BLM)
- Burned Acres: 3,000
- Containment: 5-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 82 / 26
- Structures Threatened-Single-Mixed Residential/Commercial: 5 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: July 12

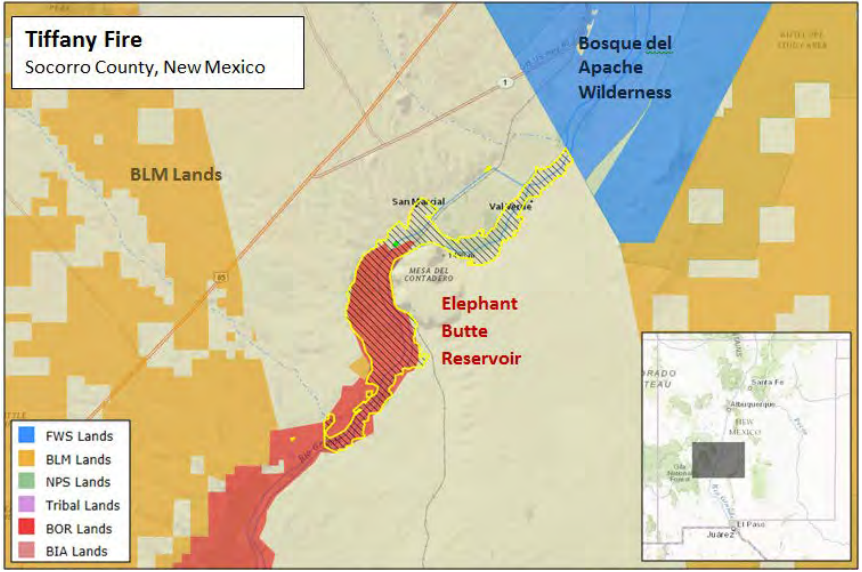
Comments: Fire behavior was described as extreme during this reporting period, and additional perimeter growth is expected. Anticipated growth over the next 48 hours is approximately 1,000 acres, and steady winds pose a containment issue.



IGEMS Image

**New Mexico Fires**

**Tiffany Fire**



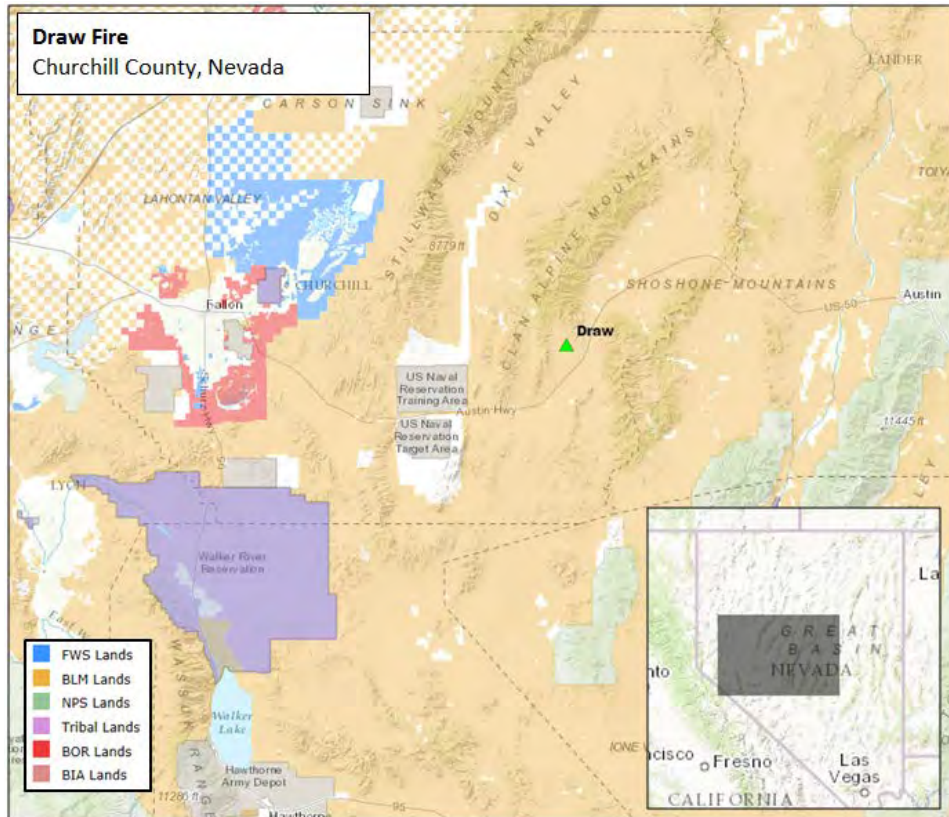
- Start Date: June 26
- Location: Socorro County, NM
- Burned Acres: 9,200 (+2,453)
- Containment: 90-percent (+8)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 51 (-58) / 12 (-23)

- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-1) / 2 (no change)
- Evacuations / Sheltered in place: 5 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 12

Comments: Fire behavior was described as moderate during this reporting period, and additional perimeter spread is expected. The fire continues to have some spotting from unburned pockets. It will continue to move through the Tiffany Basin and the southwest corner of the fire.

## Nevada Fires

### **Draw Fire (Initial)**



- Start Date: July 3
- Location: Churchill County, NV (BLM)
- Burned Acres: 21,341
- Containment: 10-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 143 / 29
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 2
- Evacuations / Sheltered in place: 0 / 0



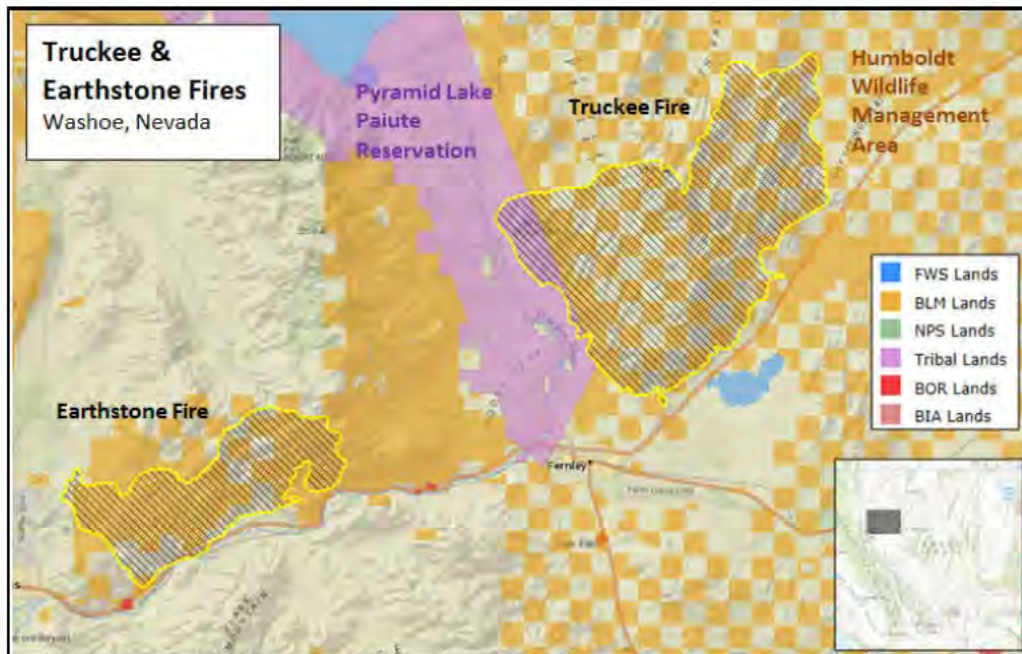
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 17

Comments: Fire behavior was described as extreme during this reporting period. There are an abundance of cured fuels in the area which will contribute to fire growth. The fire poses a threat to nearby communities and evacuation planning is in progress. Sage grouse habitat has been destroyed with more habitats threatened.

### Earthstone Fire

- Start Date: July 3
- Location: Washoe County, NV (BLM)
- Burned Acres: 41, 545 (+7,845)
- Containment: 92-percent (+62)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 148 (-132) / 34 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-50) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+2) / 0 (no change)
- Containment Date: July 10

Comments: Fire behavior was described as minimal during this reporting period, and no additional growth is expected.



## Dry Gulch Fire

- Start Date: July 4
- Location: Elko County, NV (BLM)
- Burned Acres: 64,000 (+36,000)
- Containment: 95-percent (+95)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 238 (+7) / 56 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 1 (no change)/ 0 (no change)
- Evacuations / Sheltered in place: 0 (no change)/ 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 11

Comments: Fire behavior was described as minimal during this reporting period, with creeping and smoldering. There is a Red Flag Warning in effect for the area.

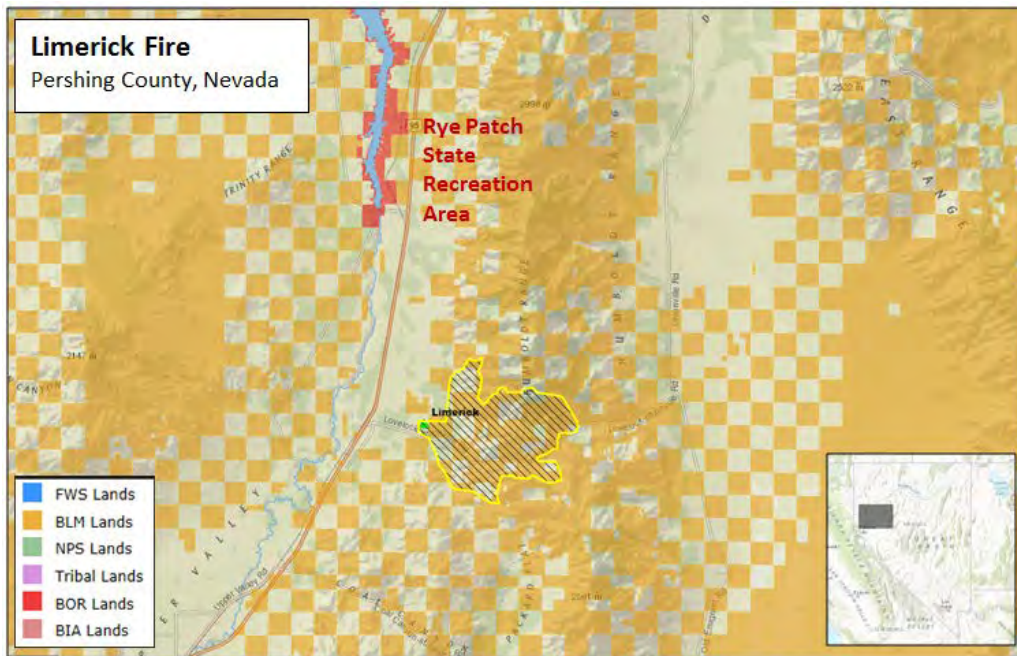


## Limerick Fire

- Start Date: July 3
- Location: Pershing, County, NV (BLM)
- Burned Acres: 14,598 (-58)
- Containment: 97-percent (+22)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 33 (-282) / 11 (-25)

- Structures Threatened-Single-Mixed Residential/Commercial: 2 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 11

Comments: Fire behavior was described as minimal during this reporting period. This fire may contain pockets of heavy fuels which continue to smolder within the interior, but no active fire is predicted along the perimeter.

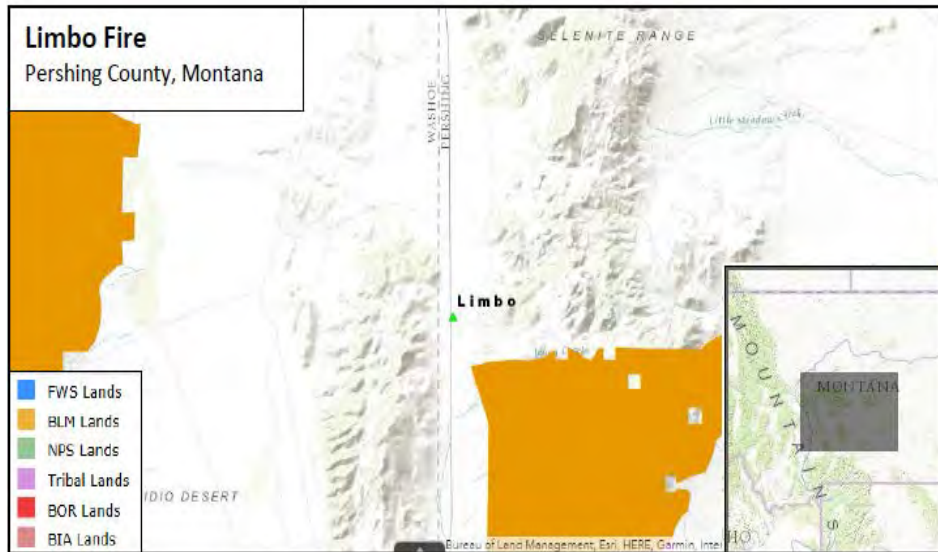


IGEMS Image

### Limbo (Initial)

- Start Date: July 8
- Location: Pershing County (BLM)
- Burned Acres: 2,007
- Containment: 75-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 7 / 7
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 10

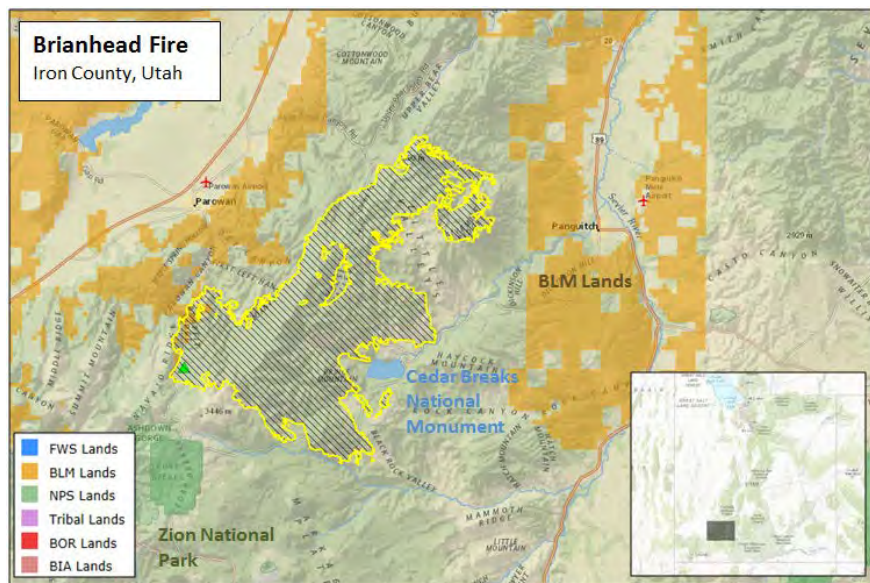
Comments: Fire behavior was described as minimal during this reporting period. This fire has very low potential for movement and containment is expected later today.



IGEMS Image

## Utah Fires

### Brianhead Fire



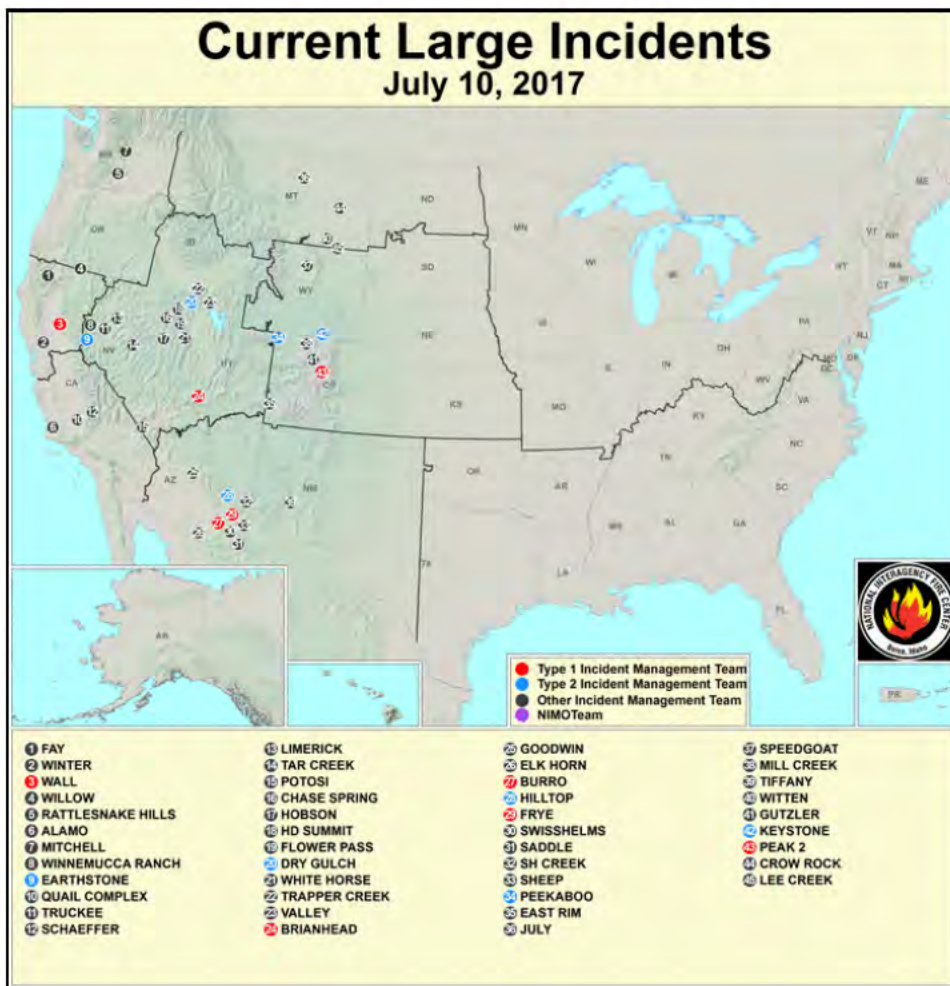
IGEMS Image

- Start Date: June 17
- Location: Iron County, UT (BLM)
- Burned Acres: 71,660 (+2,092)
- Containment: 80-percent (+5)
- Management: Type-2 IMT

- Personnel Assigned / DOI: 725 (-348) / 160 (-125)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 28 (no change) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, though it is burning on some BLM parcels. Fire behavior was minimal during this reporting period. Mop-up continues in the high resource areas. Sage Grouse habitat continues to be impacted.

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 10, 2017

National Preparedness Level 4

National Fire Activity

Initial attack activity:	Moderate (232 new fires)
New large fires:	20
Large fires contained:	7
Uncontained large fires: **	60
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	6
Type 2 IMTs committed:	13

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **U.S. Bureau of Reclamation Dam Response Activity**

#### **Response Level 2 - Anchor Dam, Wyoming (Final Report)**

*Source: United States Bureau of Reclamation - July 7, 2017*

The EAP Response Level 2 for Anchor Dam was terminated by the Bureau of Reclamation (USBR) Wyoming Area Office. The runoff from the snow-melt has decreased and flows into Owl Creek have dropped below the criteria for an Emergency Action Plan (EAP) Response Level. The USBR Wyoming Area Office is will continue to monitor the situation for changes and and reissue a response level if necessary. This is the final report for this incident.

#### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 20, an EAP Response Level 1 was declared at the Boysen Dam in Wyoming due to the reservoir water surface (RWS) elevation rising into the flood control pool. The reservoir elevation is expected to continue to rise due to runoff from a higher than average snowpack. The Boysen Dam is located on the Wind River, approximately 17 miles to the south of Thermopolis, Wyoming.

The USBR's Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between an elevation 4,725.0 feet and 4,732.2 feet, releases from the dam will also be coordinated with the U.S. Army Corps of Engineers. As of July 7, the RWS elevation was 4,727.10 feet, and the reservoir storage was approximately 783,576 acre-feet (AF). On July 6, the reservoir inflow was calculated to be 7,207 cubic feet per second (cfs), and releases were 8,447 cfs. A Response Level 1 is the lowest of the USBR's response levels and does not indicate a risk to the downstream population. The USBR's Wyoming Area Office will continue to monitor the situation at the dam and provide updates as warranted.

### **Response Level 1 - Bull Lake Dam, Wyoming (Final)**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 2, an EAP Response Level 1 was declared at the Bull Lake Dam in Wyoming due to high inflows into the Bull Lake Reservoir and dam releases that exceed irrigation demands. The Bull Lake Dam EAP Response Level 1 was terminated by the USBR's Wyoming Area Office. Inflow has decreased and releases have stabilized. The USBR's Wyoming Area Office will continue to monitor the situation and reissue reports if the situation changes.

### **Response Level 1 - Buffalo Bill Dam, Wyoming (Final)**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 7, an EAP Response Level 1 was declared at the Buffalo Bill Dam in Wyoming due to the rise in the reservoir exceeding 0.50 feet in a 6-hour period. The Buffalo Bill Dam EAP Response Level 1 was terminated by the USBR's Wyoming Area Office. The reservoir rate of rise has stabilized and is below the criteria for and EAP Response Level. The USBR's Wyoming Area Office will continue to monitor the situation and reissue reports if the situation changes.

### **Response Level 1 - Helena Dam, Montana (Initial)**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 6, EAP Response Level 1 was declared at Helena Valley Dam by the USBR Montana Area Office due to the magnitude 5.8 earthquake that occurred near Lincoln, Montana. The earthquake was the largest earthquake in a series of about 15 which occurred overnight on June 6. In accordance with the Helena Valley Dam EAP, ground accelerations in excess of 0.05g initiate a Response Level 1. Peak Ground Accelerations at Helena Valley Dam were estimated not to exceed 0.07g.

The facility was inspected within hours of the earthquake, instrumentation readings were taken, and there was no damage or issues reported. USBR's Montana Area Office, in conjunction with the Helena Valley Irrigation District, had planned to do daily inspections through the weekend. USBR's Montana Area Office will continue to monitor the situation at Helena Valley Dam and provide updates as warranted.

### **Response Level 1 - Canyon Ferry Valley Dam, Montana (Initial)**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 6, EAP Response Level 1 at Canyon Ferry Dam was declared by the USBR Montana Area Office due to the magnitude 5.8 earthquake that occurred near Lincoln, Montana. In accordance with the Canyon Ferry Dam EAP, ground accelerations in excess of 0.05g initiate a Response Level 1 and Peak Ground Acceleration at Canyon Ferry Dam were estimated not to exceed 0.065g.

The facility was inspected within hours of the earthquake, instrumentation readings were taken, and there was no damage or issues reported. All gates and emergency power systems are

functioning properly and a collimation survey will be scheduled in the near future. USBR's Montana Area Office planned to do daily inspections through the weekend.

### **Response Level 1 - Yellowtail Dam, Montana (Initial)**

*Source: United States Bureau of Reclamation - July 7, 2017*

On June 3, an EAP Response Level 1 at Yellowtail Dam was declared by the USBR's Montana Area Office due to the anticipation that the reservoir would exceed elevation of 3,642.0 feet (2 feet into the exclusive flood control pool). Above elevation 3,642.0 feet the reservoir starts to inundate Black Canyon campground, which is managed by the National Park Service. Yellowtail Dam is located on the Bighorn River, approximately 2 miles west of Fort Smith, Montana.

As of July 7, at the reservoir elevation is 3,643.62 feet with calculated inflows on July 6 at 14,880 cfs and outflows 9,927 cfs. USBR is coordinating reservoir operations with local emergency management officials, the National Park Service, and U.S. Army Corps of Engineers.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Following the eruption on July 8, with a decline in seismicity and dissipation of the ash cloud, the AVO lowered the Aviation Color Code and Volcano Alert Level to ORANGE/WATCH on July 9. The Bogoslof Volcano remains at a heightened state of unrest and in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. AVO has no ground-based volcano monitoring equipment on Bogoslof Volcano; however, they continue to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was observed in cloudy satellite and web camera images of the Cleveland Volcano during this observation period. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.



## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 9, 2017

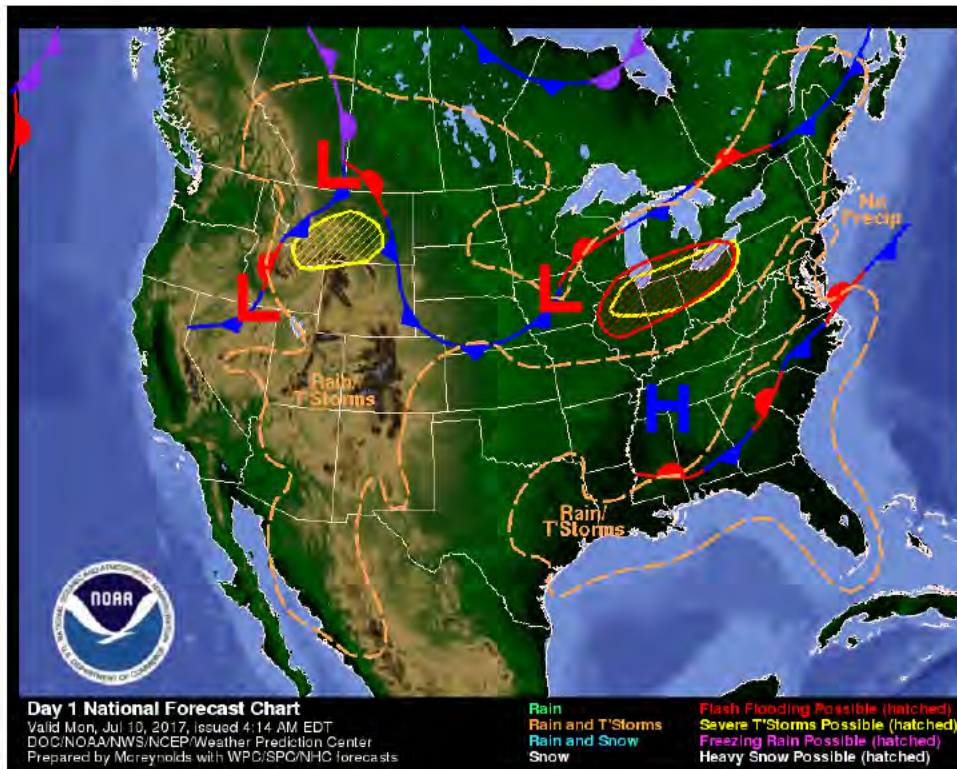
**Alert Level = WATCH**

**Color Code = ORANGE**

The Kīlauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities. The summit lava lake surface was observed to be 98 feet below the Overlook Crater on Sunday morning. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## Significant National Weather

Source: National Weather Service - July 10, 2017



## Today

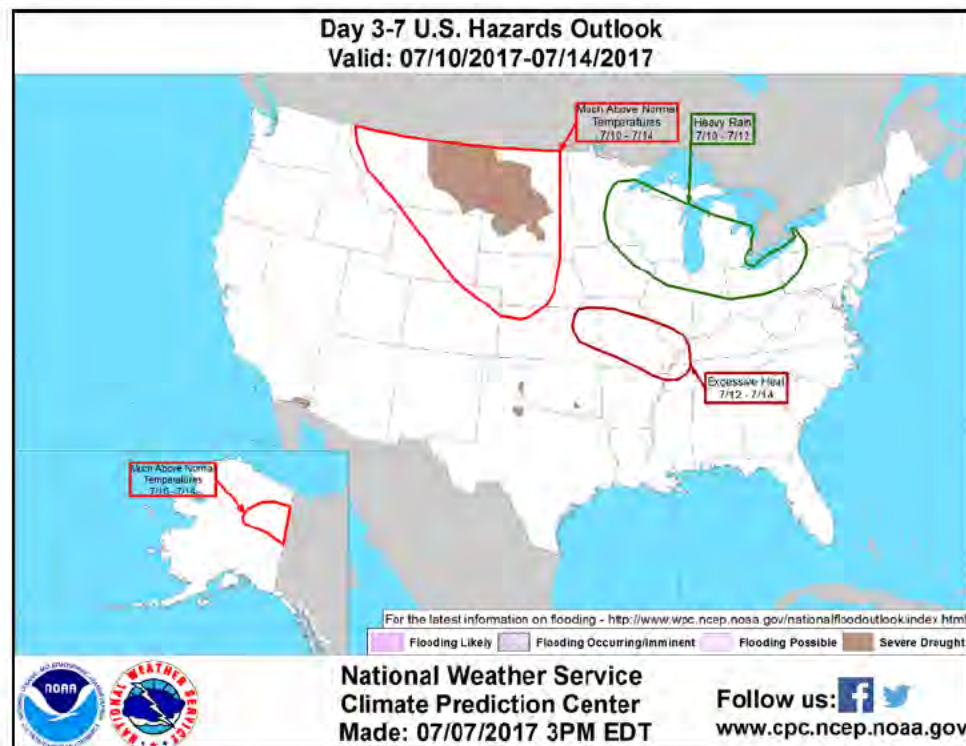
Rain and thunderstorms will develop across the mid-Atlantic coastal region, the Southeast, the Gulf Coast, and eastern Texas. Another frontal boundary will stretch from New England across the Great Lakes to the upper Midwest into the central Plains, then into the northern Rockies to an area of low pressure. Another front will then drop south into the Great Basin. Rain and thunderstorms will develop from New England to the Great Lakes and Midwest. A few severe thunderstorms are possible this afternoon and evening across southern portions of the Great

Lakes region. Some storms may produce heavy rain with localized flooding, and flash flooding will be a threat across this region. Showers and thunderstorms are expected across portions of the central and northern Plains and northern Rockies. Afternoon and evening showers and thunderstorms will develop across portions of the Four Corners and central Rockies. Hot and dry conditions will continue for most of the West Coast.

### Tomorrow

Showers and thunderstorms will continue across the Southeast, the Gulf Coastal region, the lower Mississippi Valley, and eastern Texas. A weak stationary front will extend from the Great Lakes westward into the Midwest. Another weather system will begin to push out of the Rockies into the northern High Plains. Rain and thunderstorms will develop from the Great Lakes to the Ohio Valley then into the Midwest region. Severe thunderstorms will be possible for portions of the Northeast, the Great Lakes, the Ohio Valley, the middle and upper Mississippi Valley, and the Dakotas. The greatest risk for severe thunderstorms will extend from parts of the eastern Dakotas through the upper Mississippi Valley. Heavy rain and flash flooding will be possible for parts of the Ohio Valley and upper Midwest. A few scattered areas of showers and thunderstorms are likely for Montana and the northern Rockies. Afternoon and evening showers and thunderstorms will once again develop over the Four Corners and central Rockies.

### Weather Hazard Assessment



- July 10: Flooding possible across parts of Oklahoma.
- July 10: Severe Drought across parts of the Great Plains, Arizona, California, and Hawaii.

- July 10-12: Heavy rain for the upper Mississippi Valley and Great Lakes.
- July 10-14: Much above-normal temperatures for the northern and central Rockies, the northern and central Great Plains, and the upper Yukon Valley of Alaska.
- July 12-14: Excessive heat for parts of the middle Mississippi Valley and lower Ohio Valley.

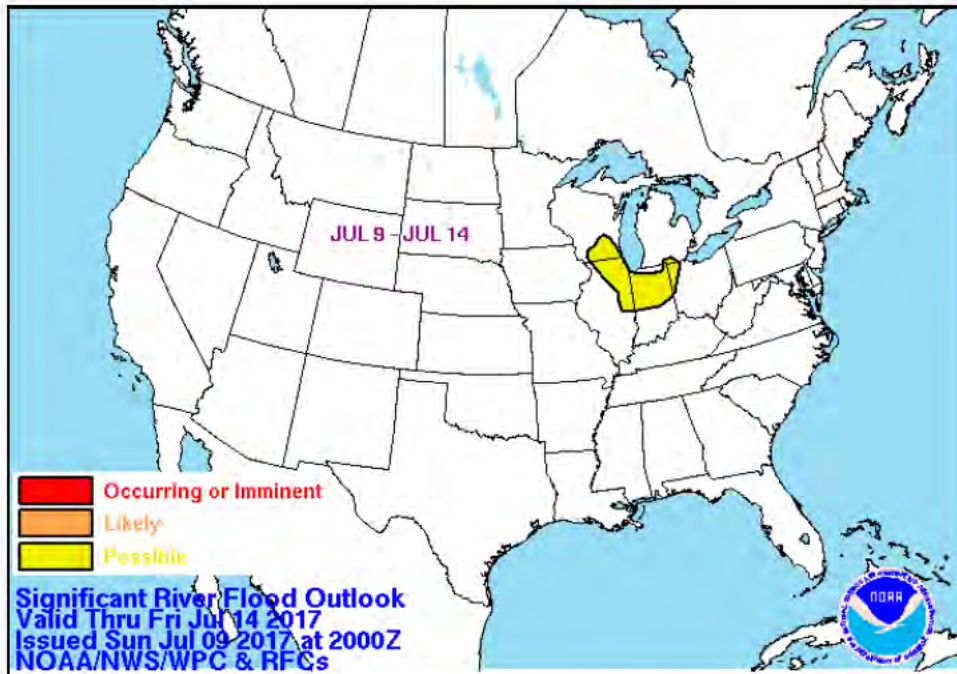
## Alaska Weather



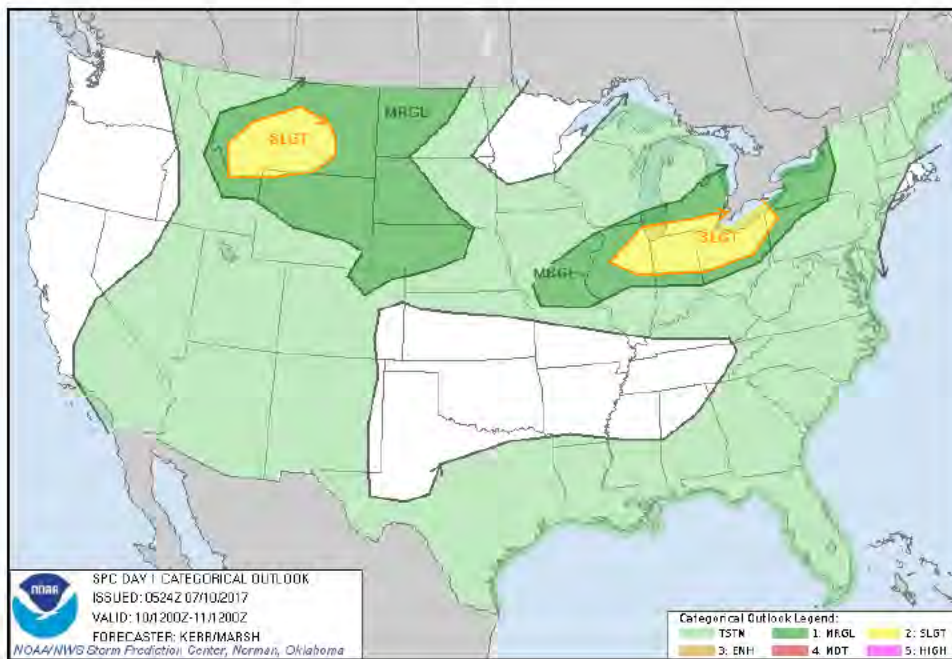
Small Craft Advisories are in effect for most of the Aleutians, from Cape Edgecumbe to Dixon Entrance, from Dall Point to Point Franklin, the waters off of St. Lawrence Island, and from Flaxman Island to Demarcation Point. A Brisk Wind Advisory is in effect from Cape Halkett to Flaxman Island.

## Significant River Flooding

Significant River Flooding is possible today in southern Wisconsin, northeastern Illinois, northern Indiana, northwestern Ohio, and southern Michigan.



### Severe Weather



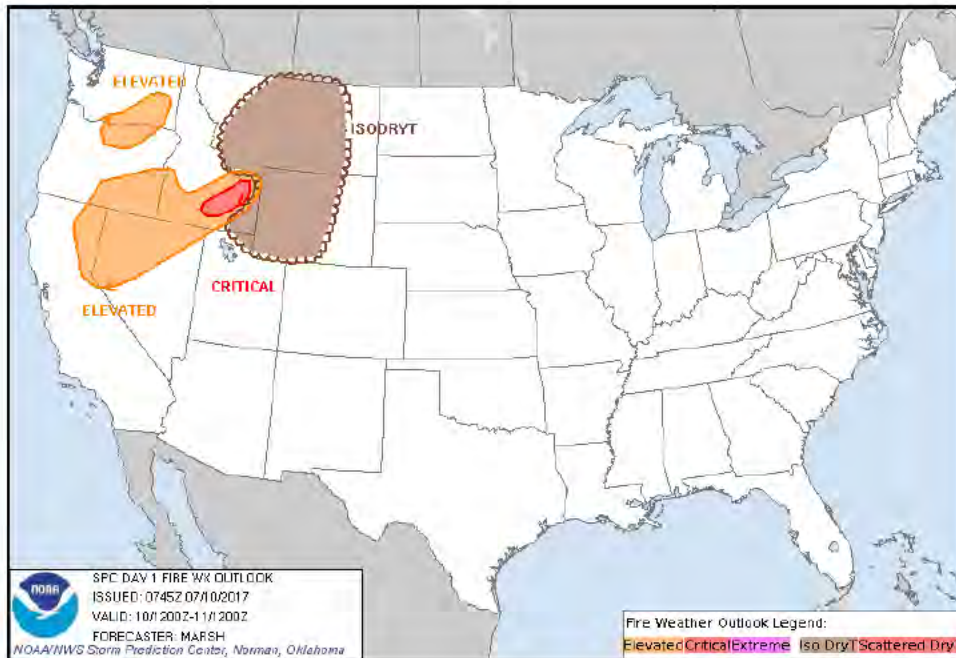
There is a Slight Risk of severe thunderstorms today across southern portions of the Great Lakes region, Montana, and northwestern Wyoming. There is a Marginal Risk of severe thunderstorms today across surrounding areas of the Great Lakes region into the middle Mississippi Valley and across the northern Rockies and the Plains.

## Tornado Weather



There is 2-percent chance of tornado activity across the lower Great Lakes region.

## Fire Weather



There is Critical Fire Weather forecast for today for eastern Idaho. There is Elevated Fire Weather forecast for today for portions of Washington, Oregon, northeastern California, Nevada,

southern Idaho, and northwestern Utah. There are Isolated Dry Thunderstorms forecast for southeastern Idaho, Montana, Wyoming, and northern Utah.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – July 10, 2017

#### **Eastern Pacific Ocean**

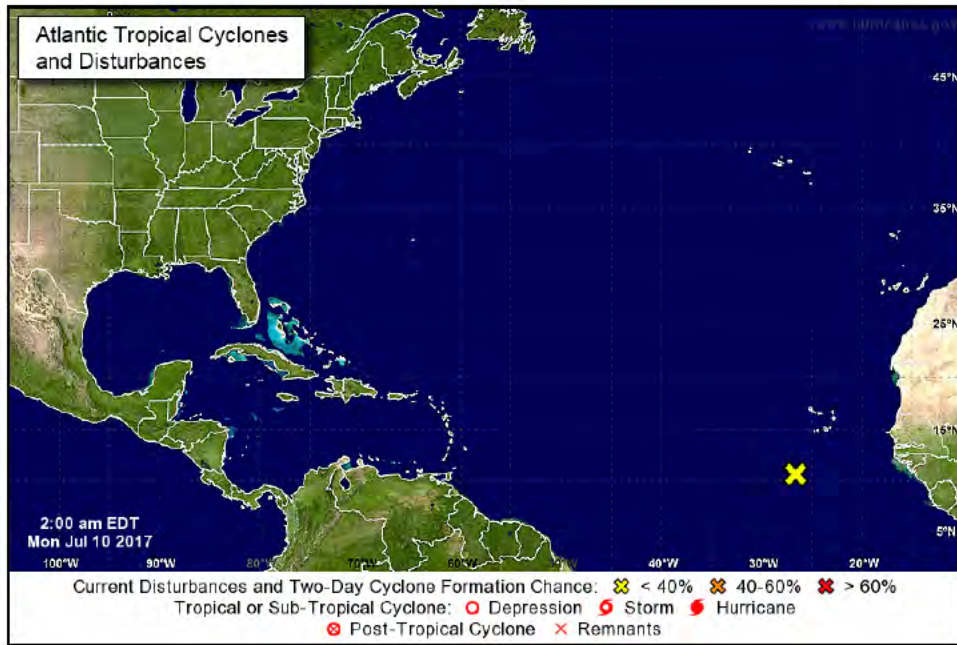


*HURREVAC Image*

At 5:00 a.m. EDT, the center of Hurricane Eugene was located about 540 miles southwest of the southern tip of Baja California. Eugene is moving toward the northwest near 12 mph, and this general motion is expected to continue over the next 48 hours. Maximum sustained winds have decreased to near 100 mph with higher gusts. Additional weakening is forecast during the next 48 hours as Eugene moves over colder water. Eugene is expected to weaken to a Tropical Storm by tonight.

#### **Atlantic Ocean**

A disorganized tropical storm system producing showers and thunderstorms is located several hundred miles southwest of the Cabo Verde Islands. Some gradual development is possible through the week while this system moves westward at about 20 mph across the tropical Atlantic Ocean.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, July 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 11, 2017*

The **Goodwin Fire** in Arizona, the **Limbo Fire** in Nevada, and the **Earthstone Fire** in Nevada have reached 100-percent containment and will not be summarized. The **Tiffany Fire** in New Mexico and the **Sheep Fire** in Arizona have not been updated and will not be summarized.

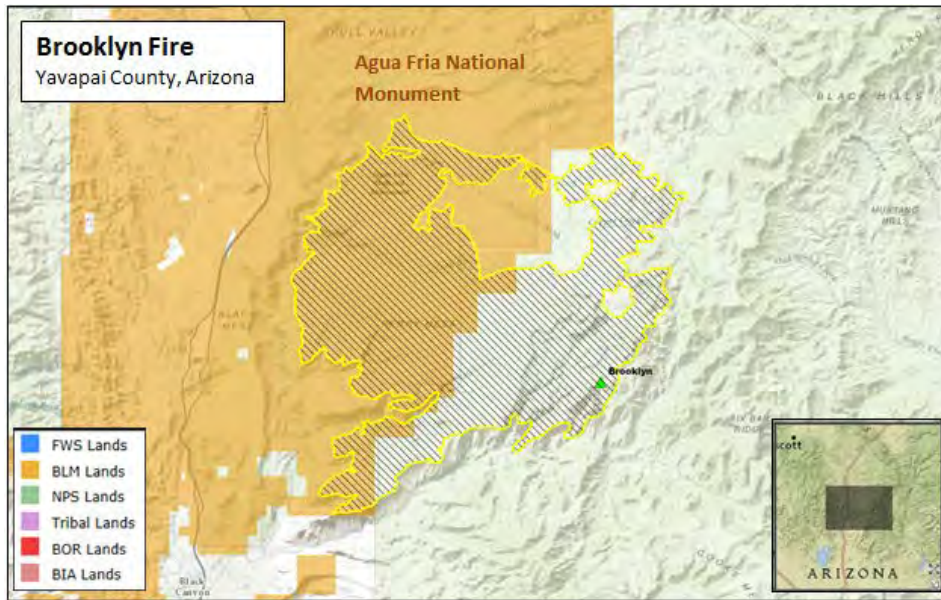
## Arizona Fires

### **Brooklyn Fire (Initial)**

- Start Date: July 7
- Location: Yavapai County, AZ (BLM)
- Burned Acres: 32,804
- Containment: 75-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 264 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 150 / 20
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 15

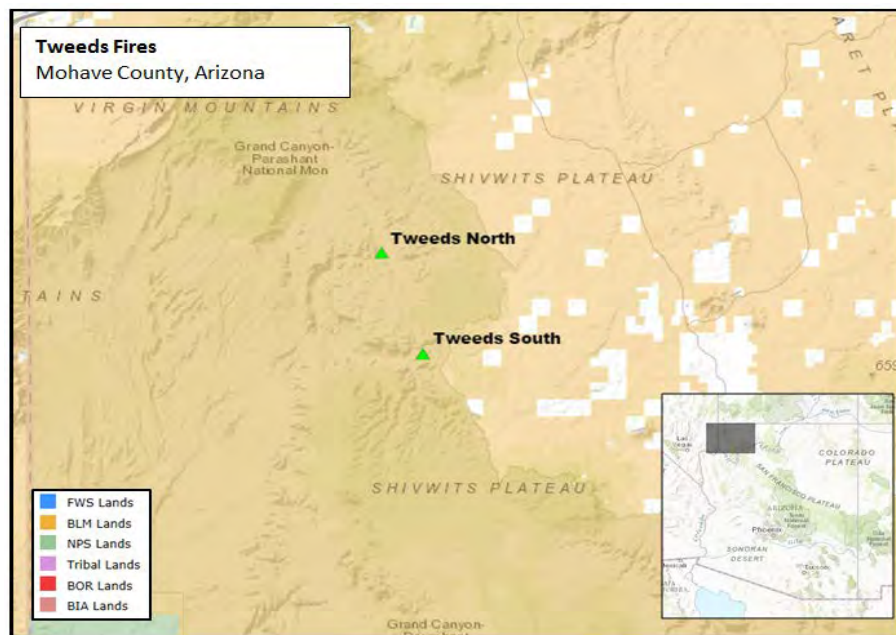


Comments: Fire behavior was minimal with smoldering, creeping, and backing, mainly through brush and tall grass. Fire is located in remote, steep, and inaccessible terrain with Arizona Public Service and Washington Area Power Administration power transmission lines threatened, as well as cultural and historic sites and recreation sites throughout the area. Fire is expected to spread mainly to the east and northeast towards Goat Peak, unless outflow winds create unexpected fire spread.



IGEMS Image

### Tweeds North (Final)

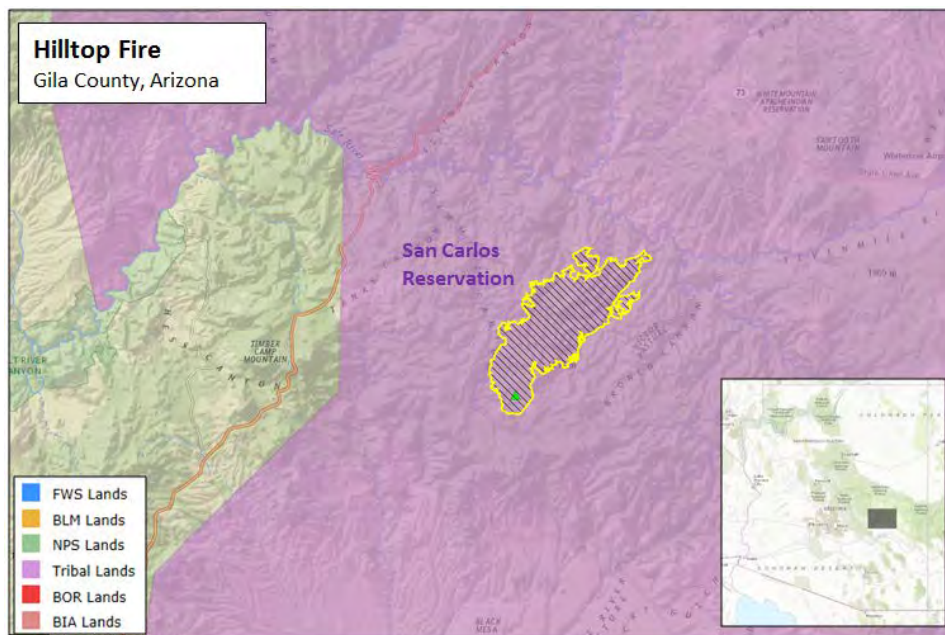


IGEMS Image

- Start Date: July 8
- Location: Mohave County, AZ (BLM)
- Burned Acres: 1,078 (no change)
- Containment: 70-percent (+20)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 20 (-10) / 0 (-25)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 10

Comments: Fire behavior was minimal through short grass. Barring a significant change in fire behavior, this is the last report.

### Hilltop Fire



IGEMS Image

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 34,053 (+1,484)
- Containment: 45-percent (+15)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 532 (-259) / 159 (-146)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)

- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 12 (no change) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as moderate, with isolated torching, during this reporting period. Monsoonal moisture is anticipated to gradually increase across the area bringing a possibility of showers and thunderstorms.

## California Fires

### Whittier Fire (Initial)



IGEMS Image

- Start Date: July 8
- Location: Santa Barbara County, CA (USBR)
- Burned Acres: 10,823
- Containment: 25-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 842 / 6
- Structures Threatened-Single-Mixed Residential/Commercial: 262 / 0
- Evacuations / Sheltered in place: 900 / 50
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 31

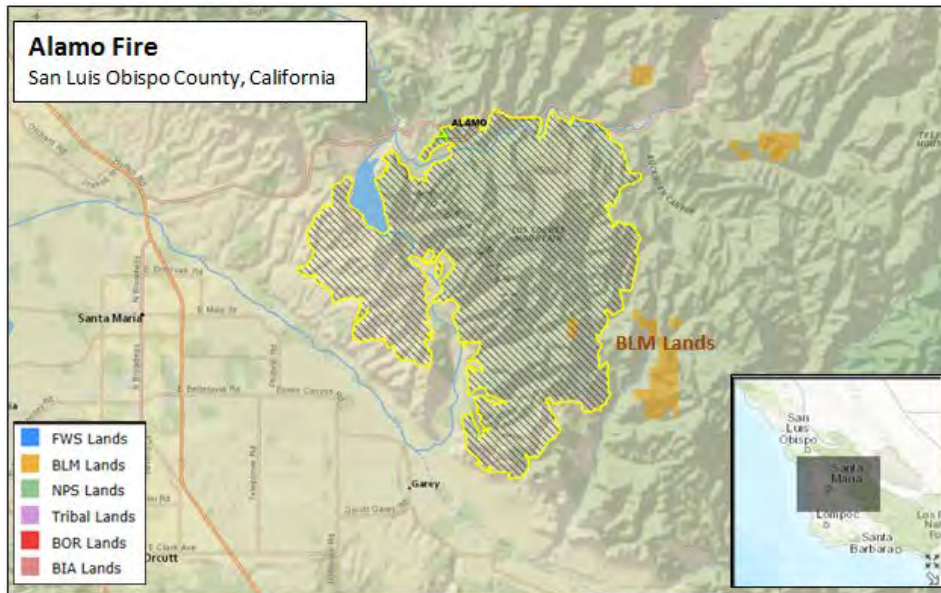
Comments: Critically needed resources are required to implement containment strategy and protect values at risk. Steep difficult terrain, extreme fire behavior, and drought stressed fuels

are making direct attack difficult along the fire perimeter. Eight residences have been destroyed. The fire is actively burning in USBR lands (Lake Cachuma).

### Alamo Fire (Initial)

- Start Date: July 6
- Location: San Luis Obispo County, CA (BLM)
- Burned Acres: 128,926
- Containment: 20-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 2,027 / 5
- Structures Threatened-Single-Mixed Residential/Commercial: 113 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 22

Comments: Fuels within and adjacent to the fire perimeter have not had major fire occurrences since the 1950's. The area has seen some the worst drought conditions in the state in the past 10 years. One residence has been destroyed. The fire is actively burning on parcels of BLM lands. A Fire Management Assistance Grant (FMAG) has been requested by California.



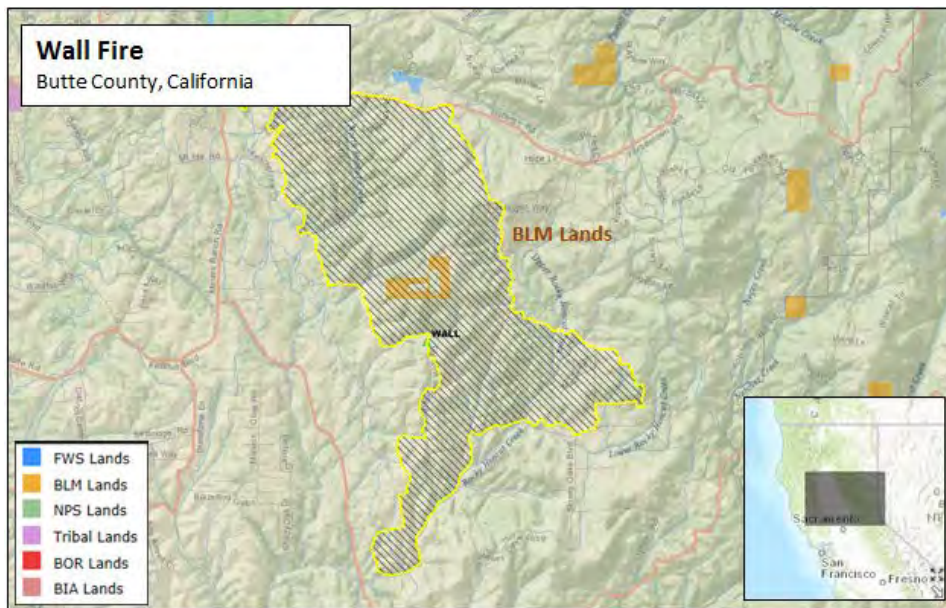
IGEMS Image

### Wall Fire (Initial)

- Start Date: July 7
- Location: Butte County, CA (BLM)
- Burned Acres: 5,800
- Containment: 40-percent

- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,696 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 5,400 / 0
- Evacuations / Sheltered in place: 4,000 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 15

Comments: Damage inspections are 95-percent completed and the repopulation plan has begun. Evacuation orders remain in effect for some areas. Weather is supporting suppression operations and efforts to improve fire line control. Two residences are damaged and 36 destroyed. The fire is actively burning on parcels of BLM lands.

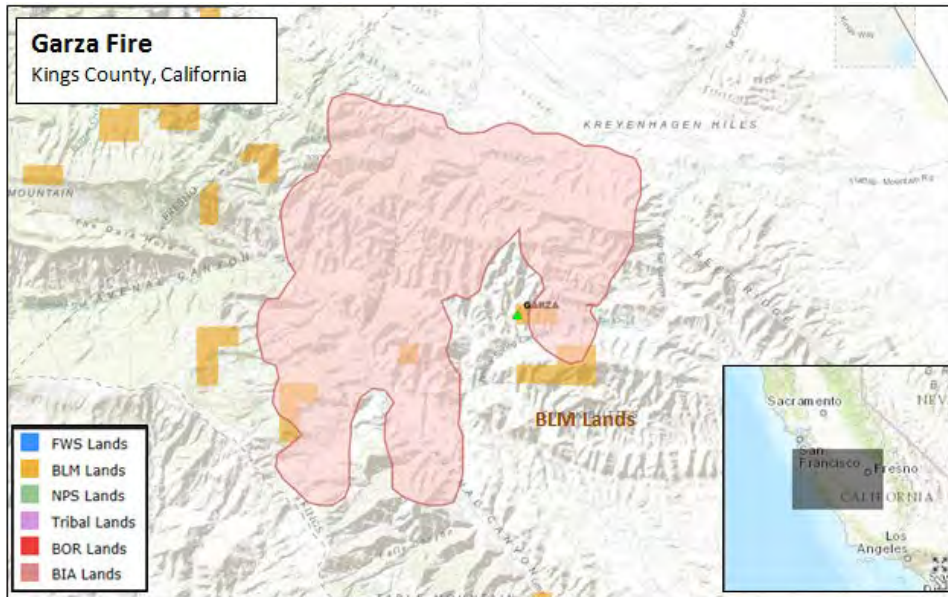


IGEMS Image

### Garza Fire (Initial)

- Start Date: July 9
- Location: Kings County, CA (BLM)
- Burned Acres: 12,000
- Containment: 7-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 934 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 5 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 3 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 15

Comments: Fire behavior was extreme with spotting and uphill runs in difficult and inaccessible terrain. The fire is actively burning on parcels of BLM lands. Power and gas infrastructure is threatened.



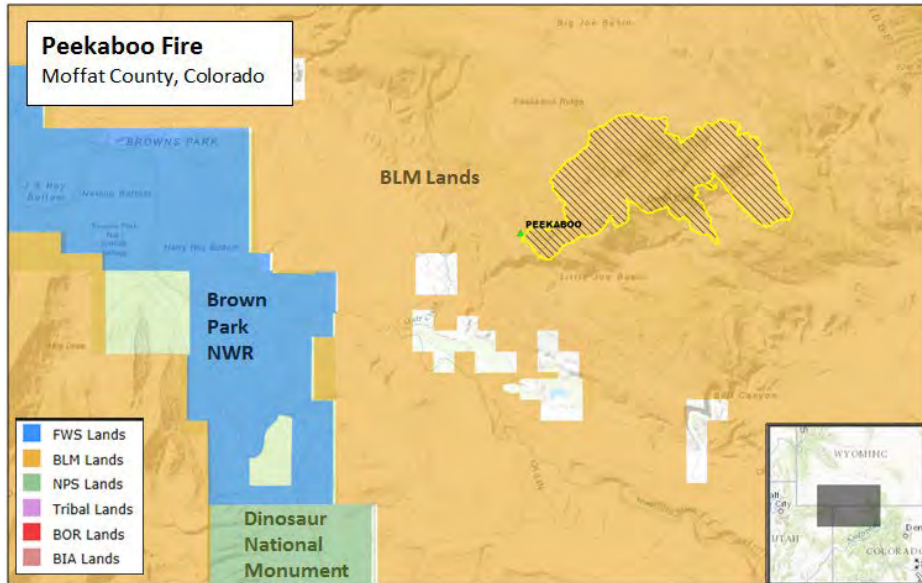
IGEMS Image

## Colorado Fires

### Peekaboo Fire

- Start Date: June 27
- Location: Moffat County, CO (BLM)
- Burned Acres: 12,839 (+324)
- Containment: 68-percent (+28)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 378 (+53) / 102 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 4 (no change) / 0 (no change)
  - Evacuations / Sheltered in place: 0 (no change) / 3 (no change)
  - Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Responder Injuries / Fatalities: 2 (+1) / 0 (no change)
  - Containment Date: July 20

Comments: Fire behavior was minimal with creeping and smoldering, but gradual warming and drying fuels is a concern. Fire will transfer to a local Type-3 IMT on July 12.



IGEMS Image

## Florida Fires

### Rivers Edge (Initial)



IGEMS Image

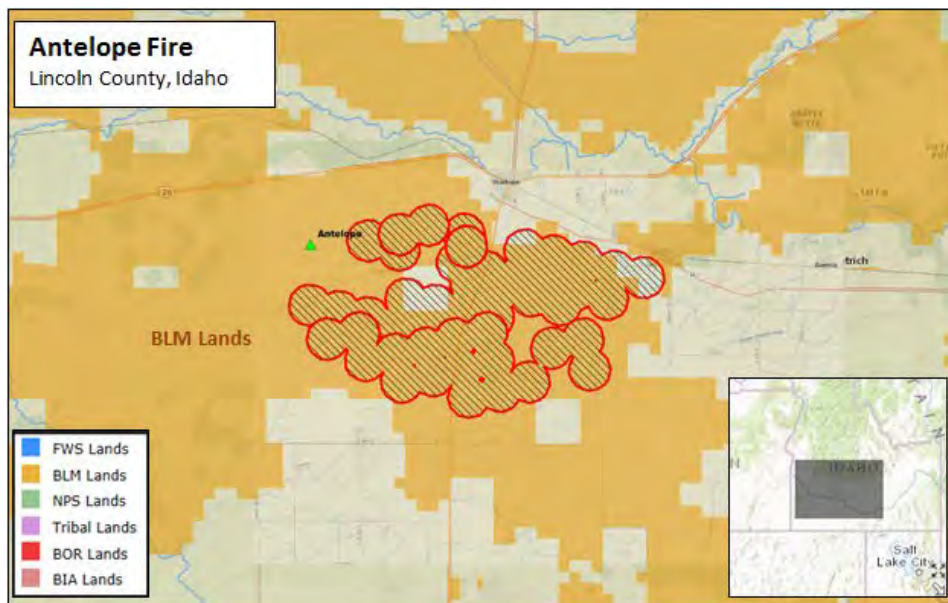
- Start Date: July 8
- Location: Merritt Island National Wildlife Refuge, FL (FWS)
- Burned Acres: 5,787
- Containment: 70-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 17 / 16

- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: none

Comments: Fire was actively burning in southern rough and tall grass during this operational period. There may be a closure of State Route 405 over the next 12 hours due to smoke. A large burnout operation has occurred.

## **Idaho Fires**

### **Antelope Fire (Initial)**



*IGEMS Image*

- Start Date: July 9
- Location: Lincoln County, ID (BLM)
- Burned Acres: 29,500
- Containment: 0-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 88 / 88
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 12



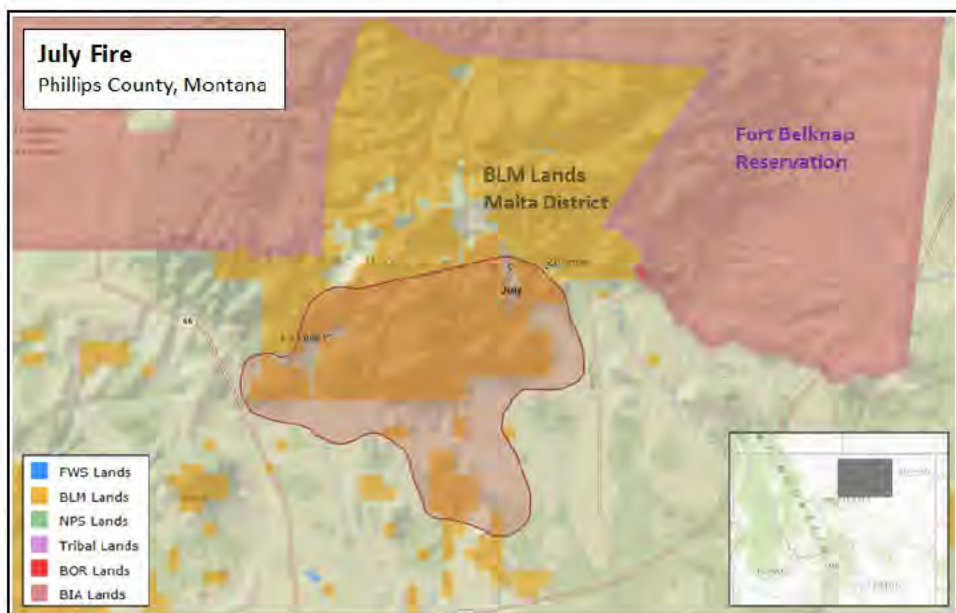
Comments: Fire behavior was extreme during this reporting period with wind driven runs. Range allotments and Sage Grouse habitat have been impacted. Hot temperatures and sustained winds will continue to impact suppression strategy.

## Montana Fires

### July Fire

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 10,811 (+269)
- Containment: 60-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 440 (+4) / 120 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 101 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 14

Comments: Fire activity was described as active during this reporting period. The fire is within Landusky, approximately 200 yards from the community of Zortman, and a half mile from Fort Belknap Indian Reservation.

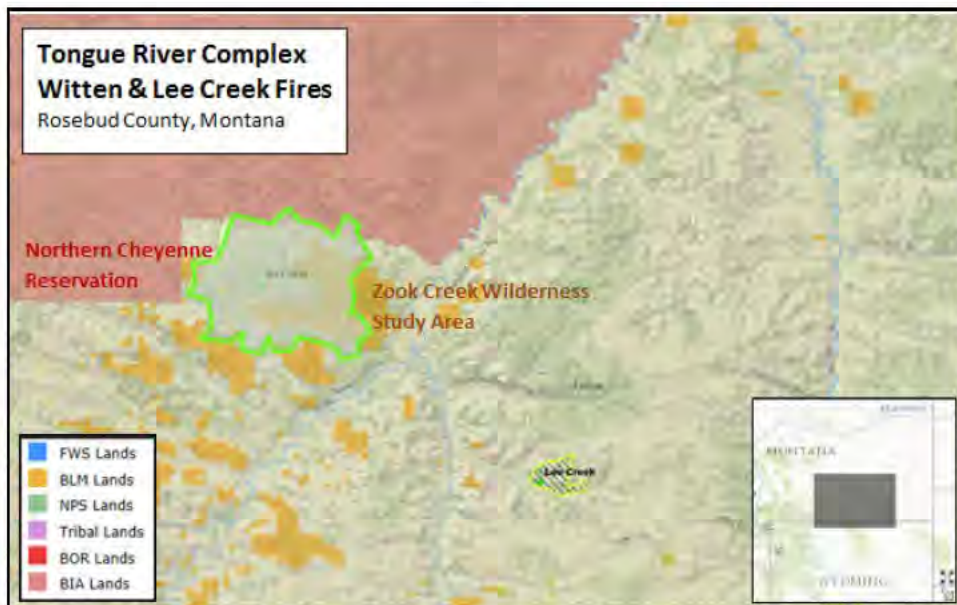


IGEMS Image

## Tongue River Complex (Initial)

- Start Date: July 9
- Location: Rosebud County, MT (BLM)
- Burned Acres: 26,135
- Containment: 5-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 199 / 28
- Structures Threatened-Single-Mixed Residential/Commercial: 7 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 2 (+1) / 0
- Containment Date: July 15

Comments: The Tongue River Complex is comprised of the Witten and Lee Creek Fires. Extreme heat and low relative humidity hampered suppression activity during the operational period. Some Tribal archaeological sites within the fire area are of concern.



IGEMS Image

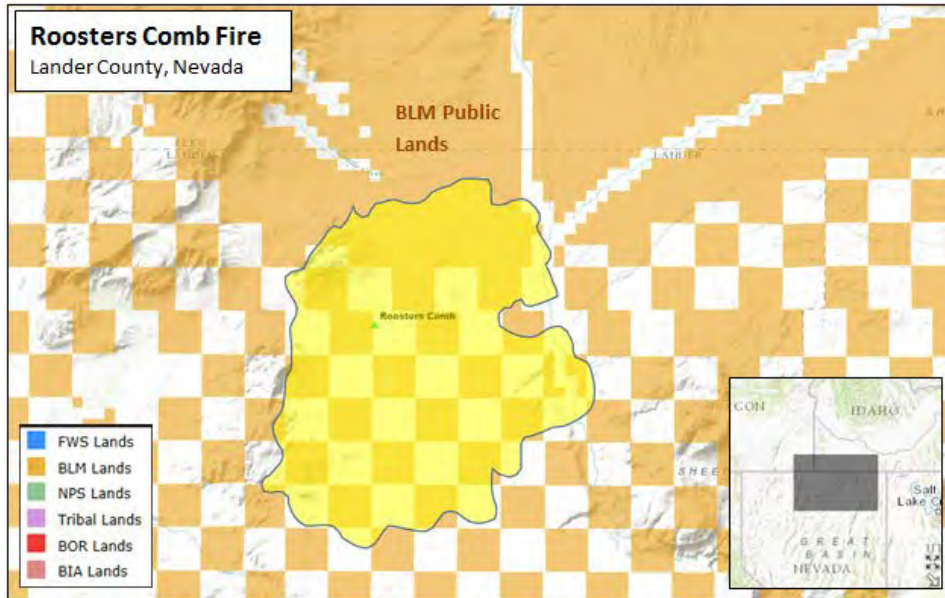
## Nevada Fires

### Roosters Comb Fire (Initial)

- Start Date: July 8
- Location: Lander County, NV (BLM)
- Burned Acres: 25,000
- Containment: 15-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 220 / 94

- Structures Threatened-Single-Mixed Residential/Commercial: 5 / 4
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 17

Comments: Extreme fire behavior was observed this operational period due to high winds and dry fuels. Sage Grouse habitat and cultural properties are threatened.

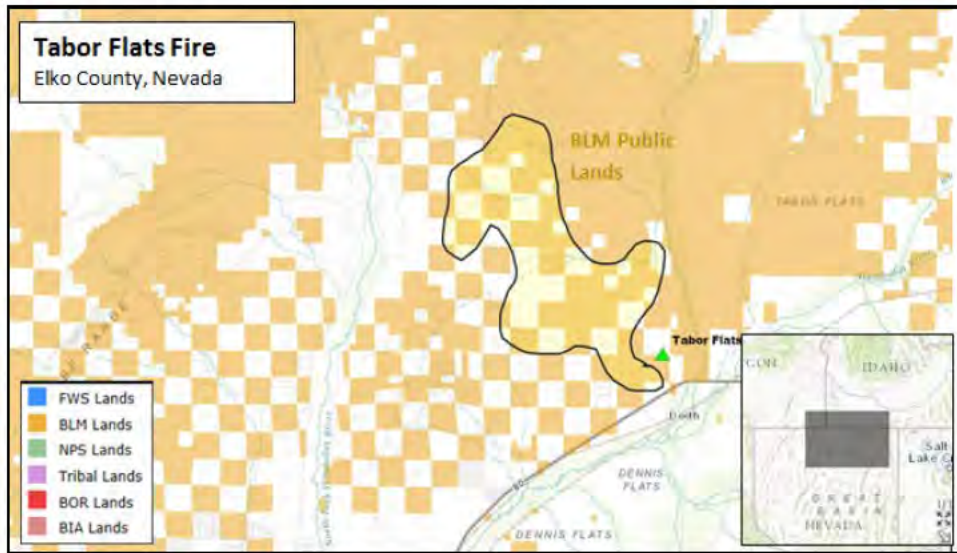


IGEMS Image

### Tabor Flats Fire (Initial)

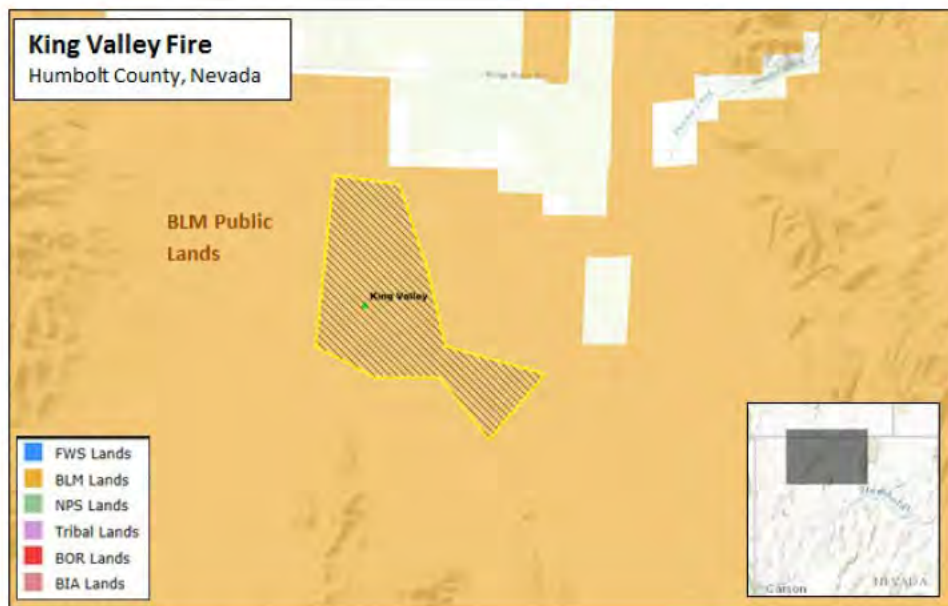
- Start Date: July 8
- Location: Elko County, NV (BLM)
- Burned Acres: 25,000
- Containment: 50-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 323 / 46
- Structures Threatened-Single-Mixed Residential/Commercial: 12 / 0
- Evacuations / Sheltered in place: 30 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 13

Comments: This is a state fire that is burning partially on BLM lands. Fire behavior was described as extreme, with wind driven runs and flanking. Primary fuel source is tall grass and brush. A lack of lightning and thunderstorms in the forecast should reduce fire behavior.



IGEMS Image

### King Valley Fire (Initial)



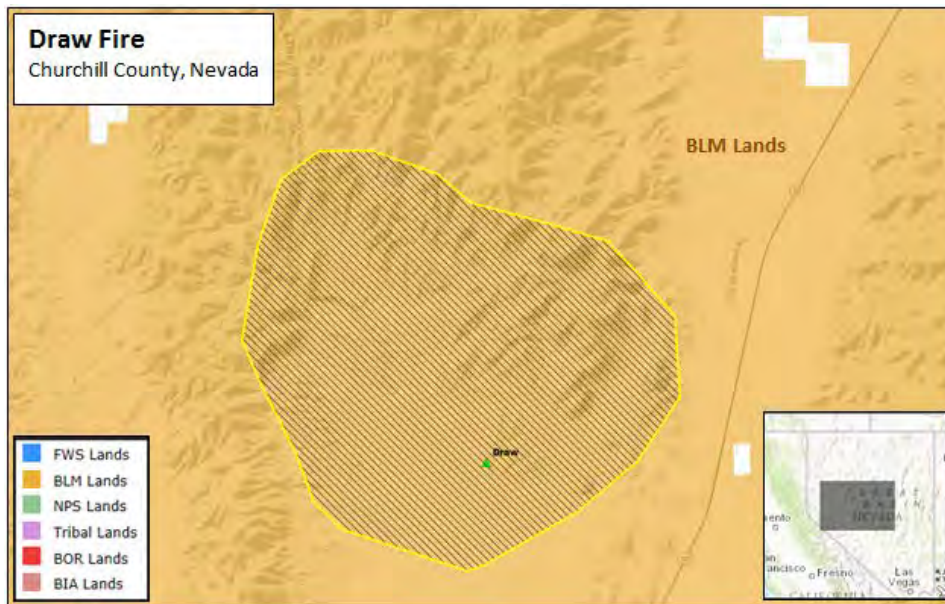
IGEMS Image

- Start Date: July 8
- Location: Humboldt County, NV (BLM)
- Burned Acres: 2,112
- Containment: 48-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 30 / 16
- Structures Threatened-Single-Mixed Residential/Commercial: 1 / 0
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)

- Responder Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: July 11

Comments: Fire behavior was minimal over the last reporting period, with smoldering, primarily through short grass and brush.

## Draw Fire



IGEMS Image

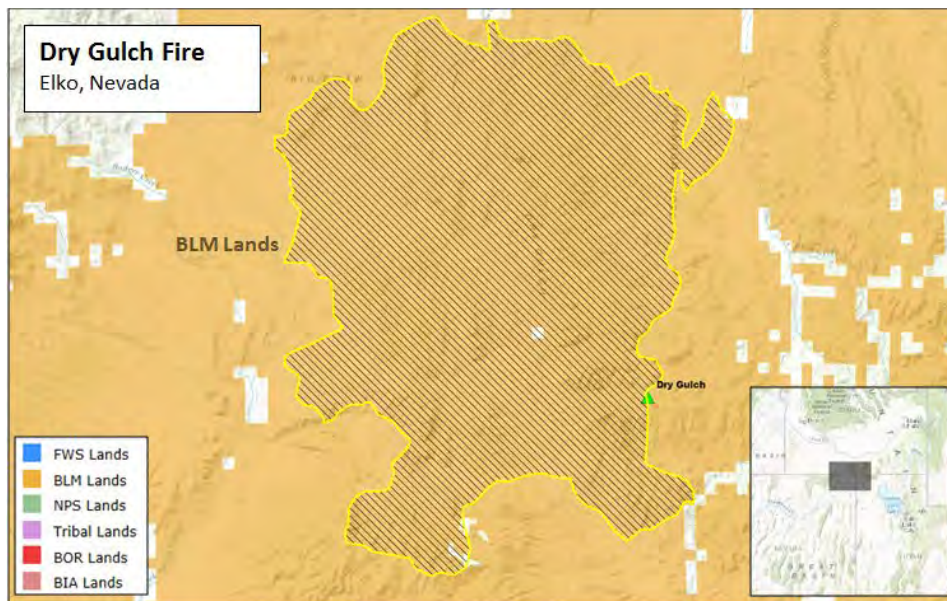
- Start Date: July 7
- Location: Churchill County, NV (BLM)
- Burned Acres: 22,221 (+880)
- Containment: 50-percent (+40)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 468 (+325) / 65 (+36)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 2 (no change)
  - Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
  - Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Containment Date: July 20

Comments: Fire behavior was active during this reporting period with running and spotting. High Energy Transmission lines and power poles that service are threatened and/or damaged. Service to Fallon Naval Air Station and Reno has been de-energized which has military significance. Approximately 15,538 acres of Priority Habitat Management Area (PHMA) for Sage Grouse has burned and additional acres threatened. The fire continues to burn in a Wilderness Study Area affecting 4,670 acres, and also has burned 17,704 acres of Herd Management Areas.

## Dry Gulch Fire

- Start Date: July 4
- Location: Elko County, NV (BLM)
- Burned Acres: 64,000 (no change)
- Containment: 95-percent (no change)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 20 (-218) / 12 (-44)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-1) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 11

Comments: Fire behavior was described as minimal during this reporting period, with creeping and smoldering. There is a Red Flag Warning in the area and potential for thunderstorm development. Containment lines remain secure.



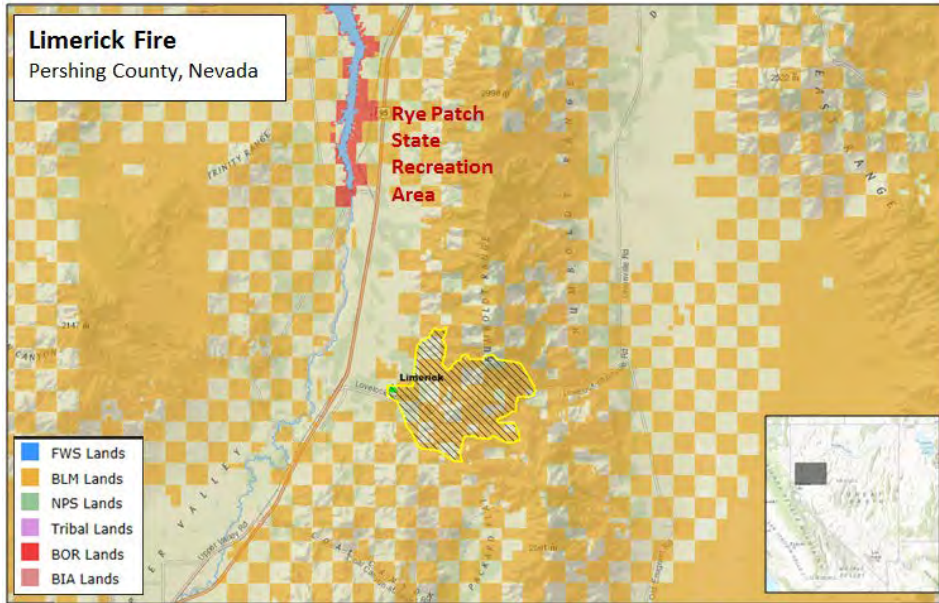
IGEMS Image

## Limerick Fire

- Start Date: July 3
- Location: Pershing, County, NV (BLM)
- Burned Acres: 14,656 (+58)
- Containment: 98-percent (+1)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 19 (-14) / 1 (-10)

- Structures Threatened-Single-Mixed Residential/Commercial: 2 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 11

Comments: Fire behavior was described as minimal during this reporting period. Two residences have been destroyed.



IGEMS Image

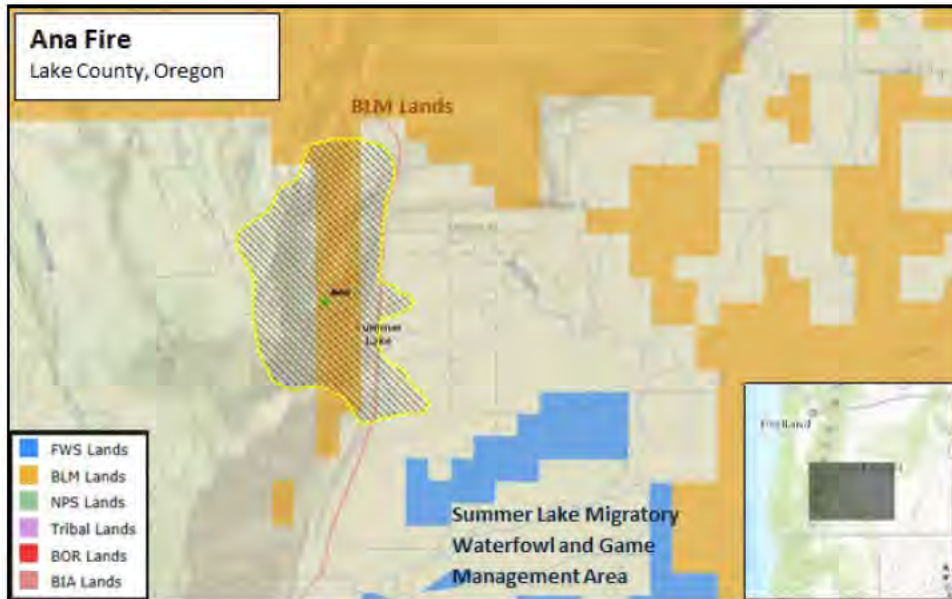
## Oregon Fires

### **Ana Fire (Initial)**

- Start Date: July 8
- Location: Lake County, OR (BLM)
- Burned Acres: 6,000
- Containment: 5-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 353 / 46
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 10
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 24

Comments: Active fire behavior was observed with short range spotting. Fire damage to the Picture Rock Priority Area of Conservation (PAC) habitat was reported due to erratic fire

behavior. Burnt acreage is approximately 1,500 acres within the PAC. Fire is within proximity to the Summer Lake Migratory Waterfowl and Game Management Area (FWS).



IGEMS Image

## Texas Fires

### **Unit 12 Afternoon Fire (Initial)**

- Start Date: July 9
- Location: Jefferson County, TX (FWS)
- Burned Acres: 1,500
- Containment: 80-percent
- Management: Type-4 IMT
- Personnel Assigned / DOI: 13 / 12
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 11

Comments: Minimal fire behavior has been observed and burnout operations are complete. There is no visible smoke at this time. Additional resources were reassigned from the Middleton Fire. This will be the final report.

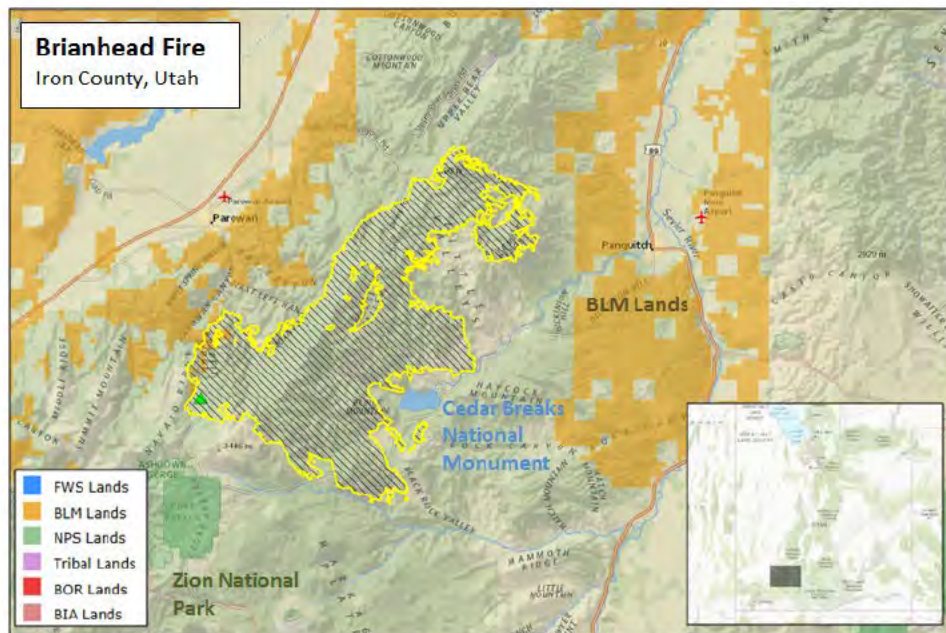




IGEMS Image

## Utah Fires

### Brianhead Fire



IGEMS Image

- Start Date: June 17
- Location: Iron County, UT (BLM)
- Burned Acres: 71,669 (+9)
- Containment: 80-percent (no change)
- Management: Type-2 IMT

- Personnel Assigned / DOI: 670 (-55) / 160 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 100 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 1,562 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 28 (no change) / 0 (no change)
- Containment Date: July 15

Comments: The Brianhead Fire is a state fire, though it is burning on some BLM parcels. Fire behavior was minimal during this reporting period. Mop-up continues in the high resource areas. Approximately 9,865 acres of Sage Grouse habitat continues to be impacted.

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 11, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Moderate (225 new fires)
New large fires:	11
Large fires contained:	15
Uncontained large fires: **	53
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	7
Type 2 IMTs committed:	15

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Earthquake Activity**

#### **Magnitude 6.6 Earthquake Auckland Islands, New Zealand**

*Source: U.S. Geological Survey – July 11, 2017*

At 3:00 a.m. EDT, the USGS reported a magnitude 6.6 earthquake 284 miles southwest of Bluff, New Zealand, at a depth of 6 miles under the South Pacific Ocean. A Green PAGER alert was issued for the event, indicating a low likelihood of casualties or economic losses. No tsunami was generated.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

On July 10, a period of eruptive activity began at 9:06 p.m. EDT consisting of fifteen minutes of elevated seismicity and infrasound from Bogoslof. In spite of the activity, no significant emissions from the volcano were detected in satellite images. As a result, the Aviation Color Code and the Volcano Alert Level remained at ORANGE / WATCH.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images over the past observation period. Minor degassing was seen in web camera views. No seismicity or infrasound was detected. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

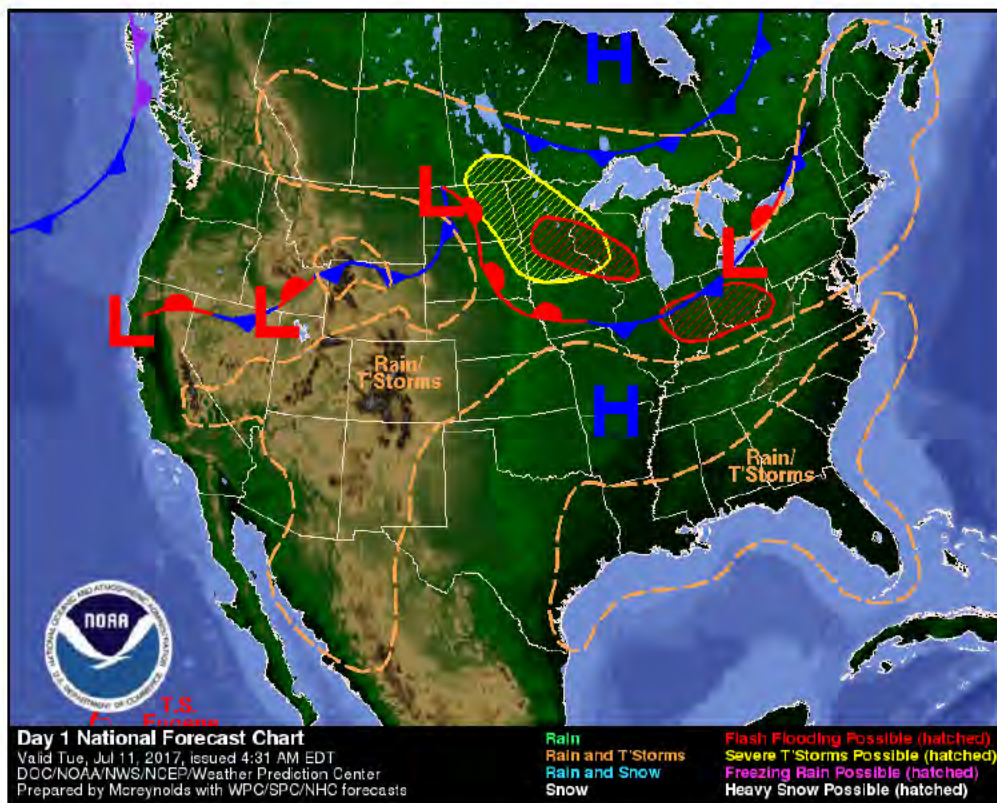
Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 10, 2017

**Alert Level = WATCH**  
**Color Code = ORANGE**

The Kilauea Volcano continues to erupt at its summit and at the Pu‘u‘ō‘ō vent on the East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### **Significant National Weather**

Source: National Weather Service - July 11, 2017



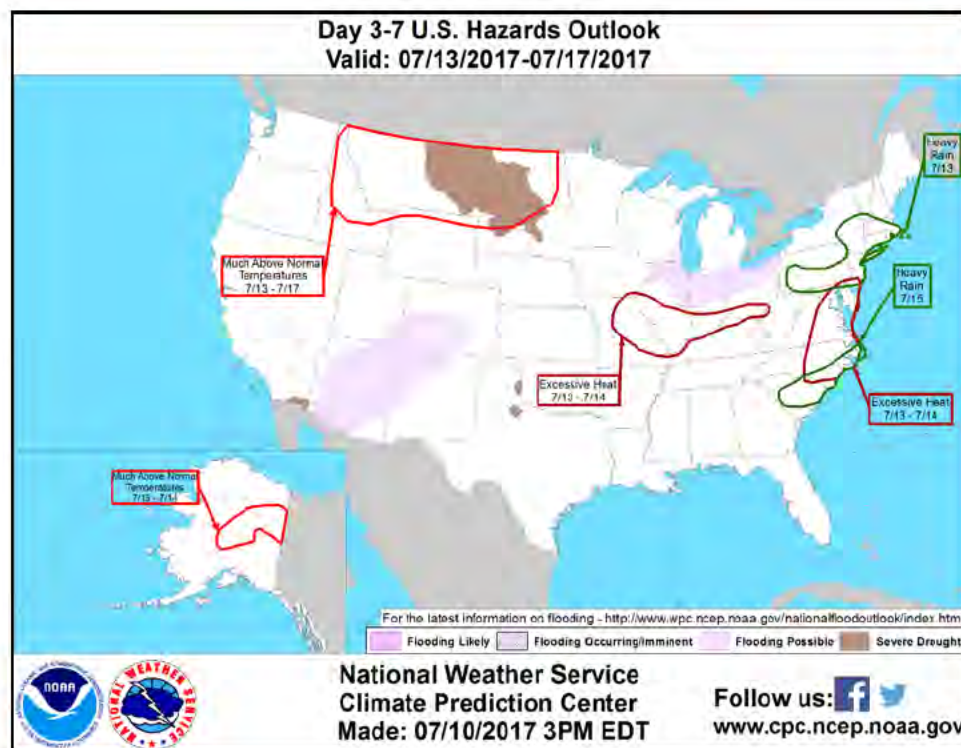
## Today

Showers and thunderstorms will be scattered across portions of the Southeast, the Gulf Coast, and eastern Texas. Rain and thunderstorms are expected to develop from New England across the Great Lakes to the Upper Midwest and portions of the northern and central Plains. Severe thunderstorms are possible this afternoon into tonight across parts of the upper Mississippi Valley. Thunderstorms across the upper Midwest and Ohio Valley will produce areas of heavy rain and the possibility of localized flooding and flash flooding. Afternoon and evening showers and thunderstorms will develop from Mexico through the Four Corners into the central Rockies and southern Great Basin.

## Tomorrow

Rain and thunderstorms will be widely scattered from the mid-Atlantic southward into the Southeast, lower Mississippi Valley, and eastern Texas. Showers and thunderstorms will develop across New England, the Northeast, the Great Lakes, and the central Plains. Severe thunderstorms will be possible from portions of the Great Lakes, the mid-Mississippi Valley, the central Great Plains, and portions of the northern High Plains. Showers and thunderstorms will develop from Mexico northward through the Four Corners and central Rockies to the west-central Plains.

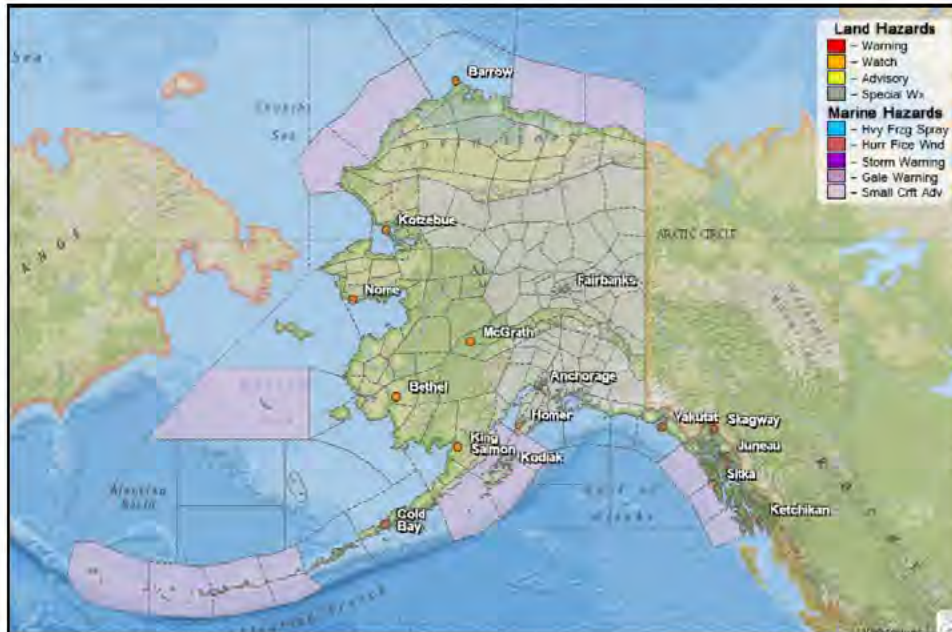
## Weather Hazard Assessment



- July 13: Heavy rain across portions of the mid-Atlantic, Northeast, and the central Appalachians.

- July 13-14: Excessive heat across portions of the Southeast, the mid-Atlantic, the middle Mississippi Valley, and the Ohio Valley.
- July 13-14: Much above normal temperatures across portions of interior mainland Alaska.
- July 13-17: Much above normal temperatures across portions of the northern Plains, the northern Rockies, and the northern Great Basin.
- July 15: Heavy rain across portions of the Southeast and the mid-Atlantic.

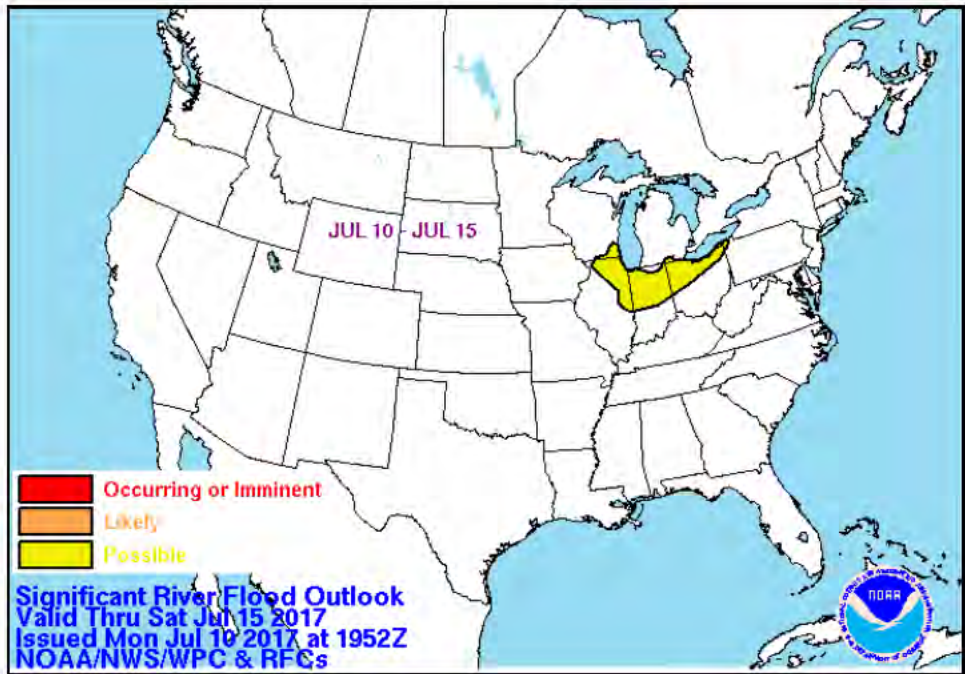
## Alaska Weather



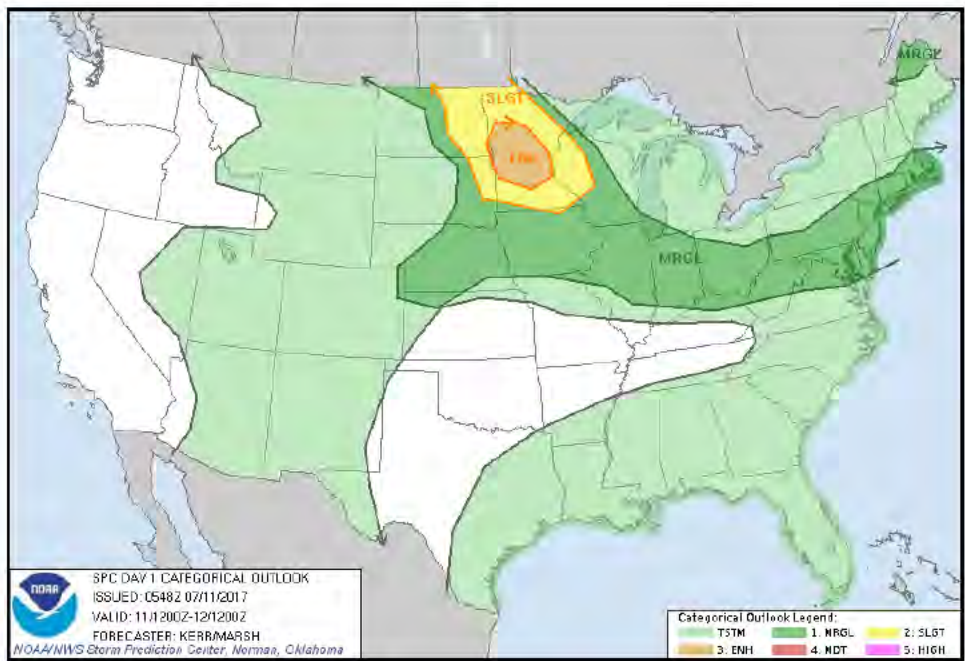
Small Craft Advisories are in effect for most of the Aleutians, from Cape Edgecumbe to Dixon Entrance, the waters off of St. Matthews Island, from Flaxman Island to Demarcation Point, and Cape Thompson to Point Franklin. There is a Brisk Wind Advisory from Cape Hallett to Flaxman Island. There is a Special Weather Statement in effect for the eastern Alaskan interior due to rising rivers. There is a second Special Weather Statement in effect for the southern Alaska interior and Gulf of Alaska mainland to expect the hottest temperatures of the year.

## Significant River Flooding

Significant River Flooding is likely today through northern Ohio, Indiana, Illinois, and southeastern Wisconsin.

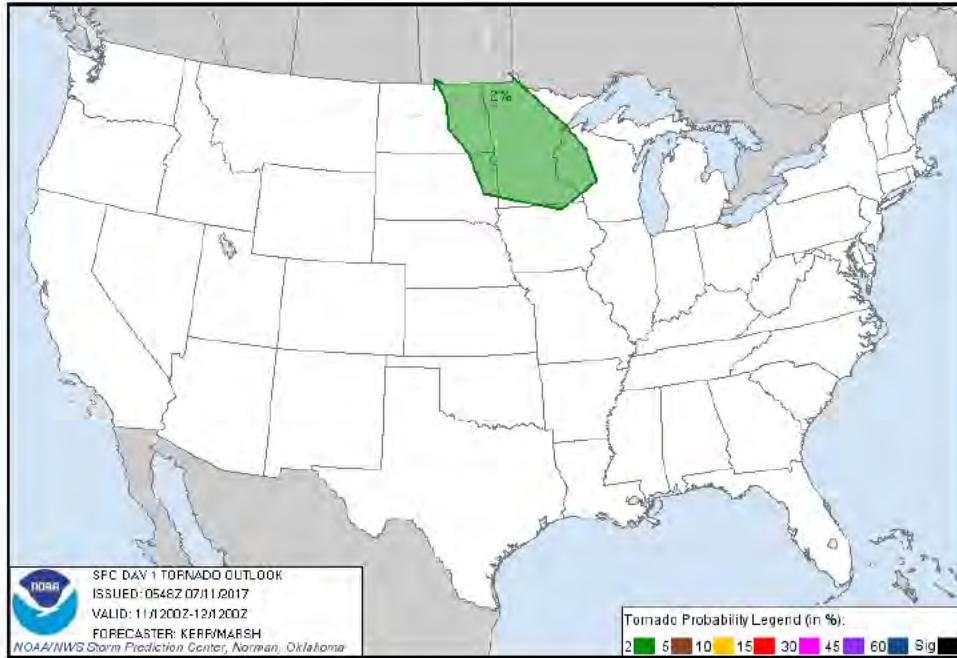


**Severe Weather**



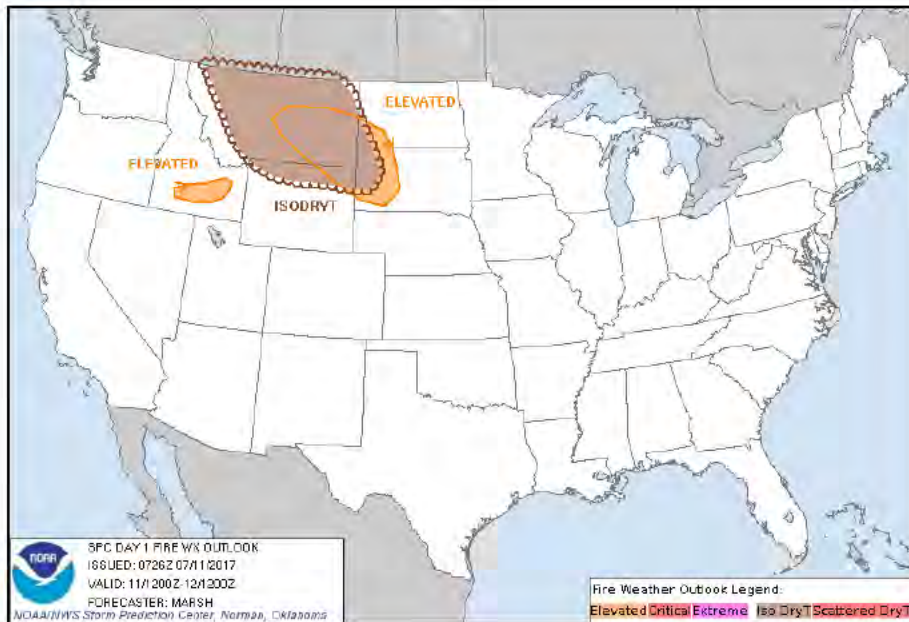
There is an Enhanced Risk of severe thunderstorms in Minnesota. A Slight Risk of severe thunderstorms expands throughout the rest of Minnesota, eastern North Dakota, eastern South Dakota, and western Wisconsin. There is a Marginal Risk of severe thunderstorms today for the northern Plains through the upper Midwest, eastward into the Ohio Valley, the northern mid-Atlantic, and southern New England.

## Tornado Weather



There is 2-percent chance of tomado activity across the upper Mississippi Valley and the northern Plains.

## Fire Weather



There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather forecast for central Idaho, southeastern Montana, southwestern North Dakota, western South

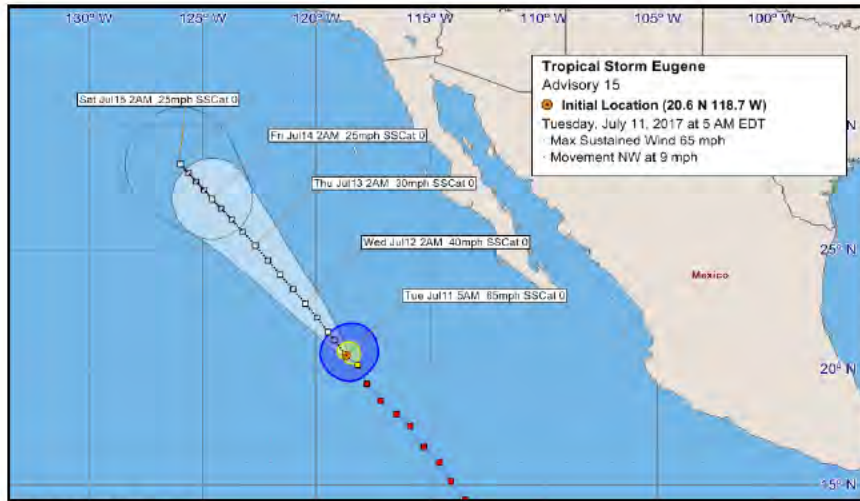


Dakota, and northwestern Wyoming. There are Isolated Dry Thunderstorms forecast for Montana, northern Wyoming, southwestern North Dakota, and western South Dakota.

**Tropical Weather Activity**

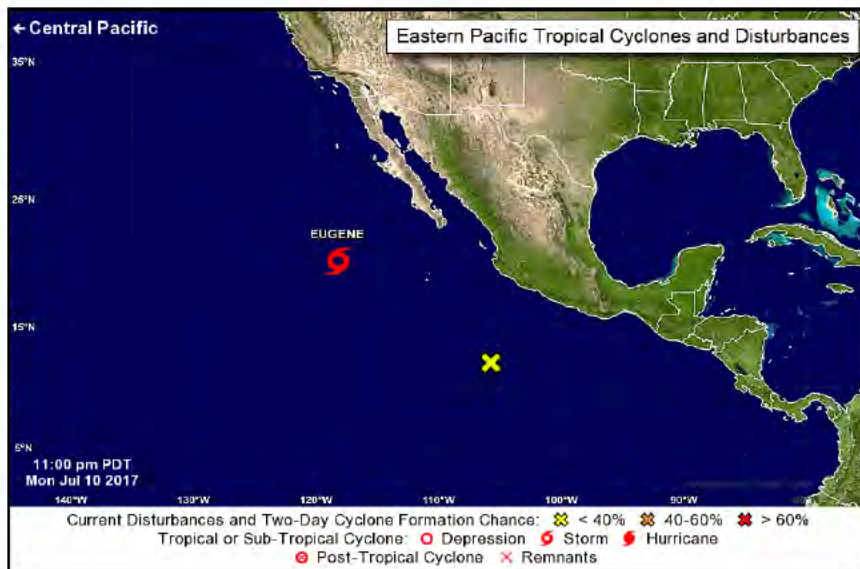
Source: National Weather Service/National Hurricane Center – July 11, 2017

**Eastern Pacific Ocean**



HURREVAC Image

At 5:00 a.m. EDT, the center of Hurricane Eugene was located about 545 miles southwest of the southern tip of Baja California. Eugene is moving toward the northwest near nine miles per hour, and this general motion is expected to continue over the next 48 hours. Maximum sustained winds have decreased to 65 miles per hour with higher gusts. Additional weakening is forecast during the next 48 hours as Eugene moves over colder water. Eugene is expected to weaken to a remnant low by Wednesday.



Showers and thunderstorms have become a little better organized since yesterday near a broad area of low pressure located several hundred miles south-southwest of Manzanillo, Mexico. Environmental conditions could become more conducive for gradual development of this system over the next several days while it moves westward or west-northwestward at about 10 mph. There is a 20-percent chance of tropical formation through the next 48 hours.

### **Atlantic Ocean**

No tropical cyclone activity is expected over the next 48 hours.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, July 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 12, 2017*

The ICS-209 for the **Rivers Edge Fire** in Florida was not updated and will not be summarized in today's report. The **Unit 12 Afternoon Fire** in Texas, the **Antelope Fire** in Idaho, and the **Limerick Fire** in Nevada have all reached 100-percent containment and will not be summarized in today's report.

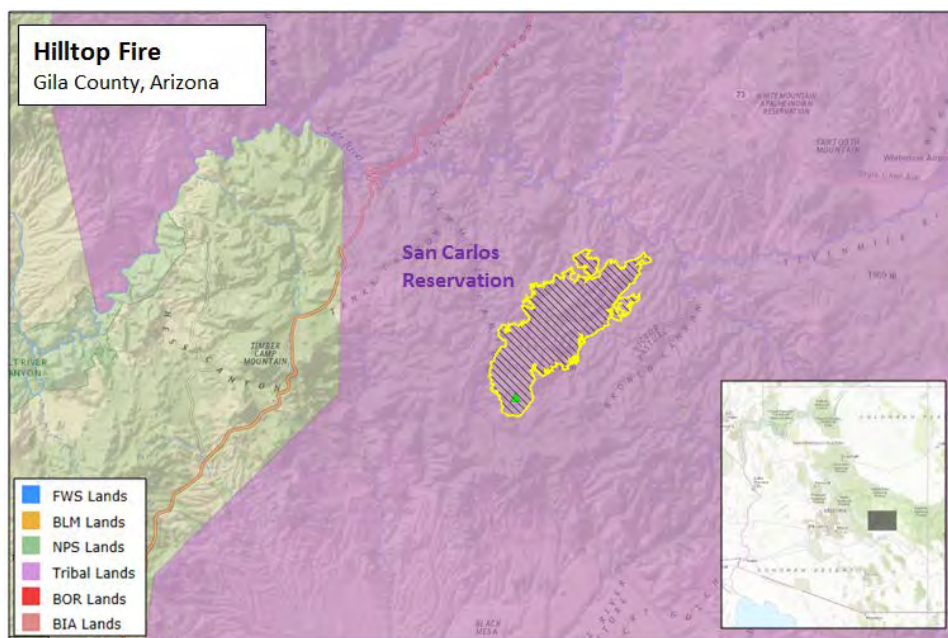
## Arizona Fires

### **Hilltop Fire**

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 33,826 (-227)
- Containment: 75-percent (+30)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 298 (-234) / 77 (-82)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 12 (no change) / 0 (no change)
- Containment Date: July 18

Comments: Fire behavior was described as minimal due to heavy rain during this reporting period. A threat for new starts exists in the initial attack area; however, the fire is not expected to grow due to heavy rain in the forecast. There was a reduction in fire size due to more accurate mapping reports.



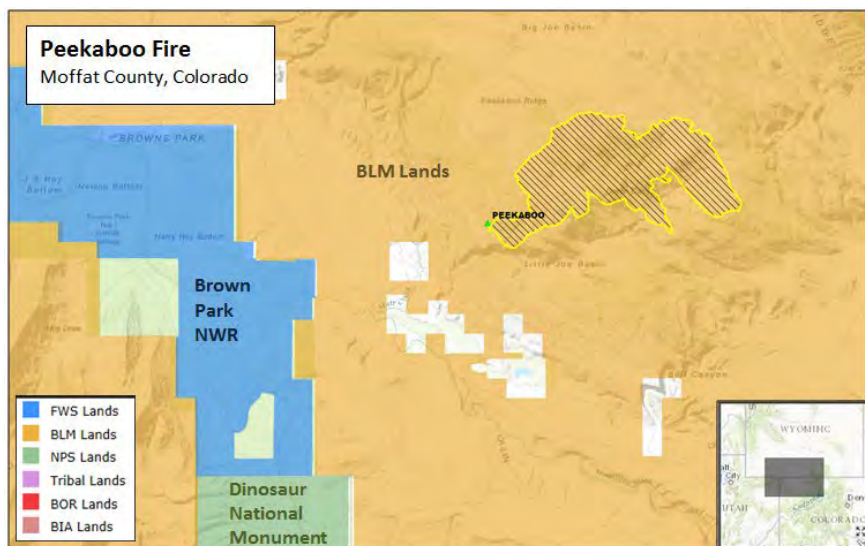
IGEMS Image

## Colorado Fires

### Peekaboo Fire

- Start Date: June 27
- Location: Moffat County, CO (BLM)
- Burned Acres: 12,839 (no change)
- Containment: 80-percent (+12)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 264 (-114) / 101 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 4 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 3 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+1) / 0 (no change)
- Containment Date: July 20

Comments: Fire behavior was minimal with creeping and smoldering, but gradual warming and drying fuels is a concern. Difficult access to some areas of the fire presents a challenge to meet a full suppression strategy.



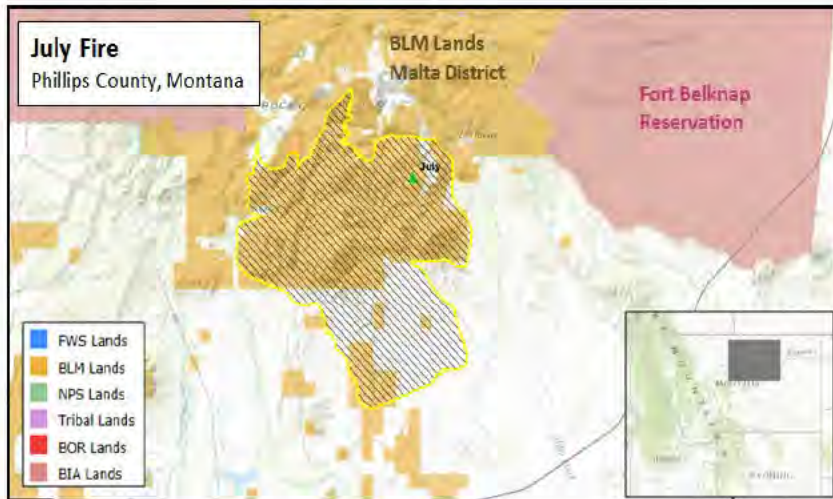
IGEMS Image

## Montana Fires

### July Fire

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 11,093 (+282)
- Containment: 70-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 398 (-42) / 113 (-7)
- Structures Threatened-Single-Mixed Residential/Commercial: 101 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire activity was described as moderate during this reporting period. The relative humidity (RH) and winds were moderate, which reduced fire behavior. The communities of Zortman, Landusky, Hays, and Lodgepole remained threatened.

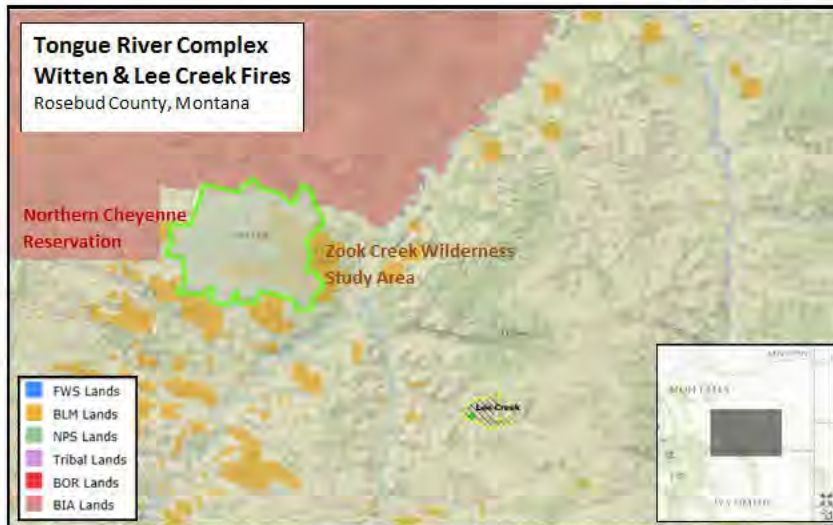


IGEMS Image

### Tongue River Complex

- Start Date: July 9
- Location: Rosebud County, MT (BLM)
- Burned Acres: 29,232 (+3,097) (Witten Fire 26,684 / Lee Creek 2,548)
- Containment: 61-percent (+56)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 314 (+115) / 28 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 7 (no change) / 0
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 3 (+1) / 0
- Containment Date: July 15

Comments: Fire behavior was described as active due to excessive heat, heavy fuels, and low humidity during the reporting period. The Tongue River Complex is comprised of the Witten and Lee Creek Fires.



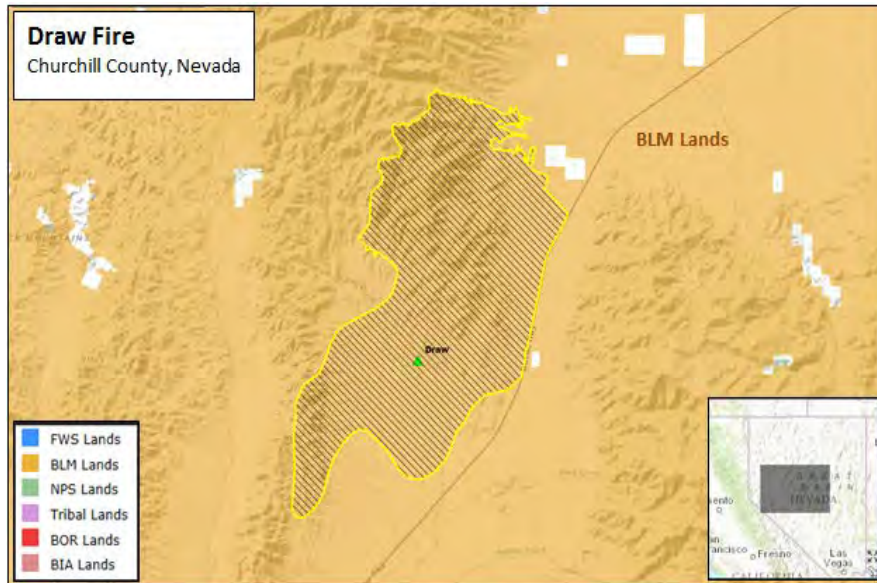
IGEMS Image

## Nevada Fires

### Draw Fire

- Start Date: July 7
- Location: Churchill County, NV (BLM)
- Burned Acres: 25,249 (+3,028)
- Containment: 60-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 476 (+8) / 64 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 2 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 20

Comments: Fire behavior was active during this reporting period with running, torching, and spotting. High Energy Transmission lines and power poles that service the surrounding area are threatened and/or damaged. Service to Fallon Naval Air Station and Reno has been de-energized until the fire threat diminishes. Approximately 15,538 acres of Priority Habitat Management Area (PHMA) for Sage Grouse has burned and additional acres are threatened. The fire continues to burn in a Wilderness Study Area affecting 7,073 acres, and also has burned 20,072 acres of Herd Management Areas. Temperatures will remain in the 90's and the RH will remain in the single digits through the weekend.



IGEMS Image

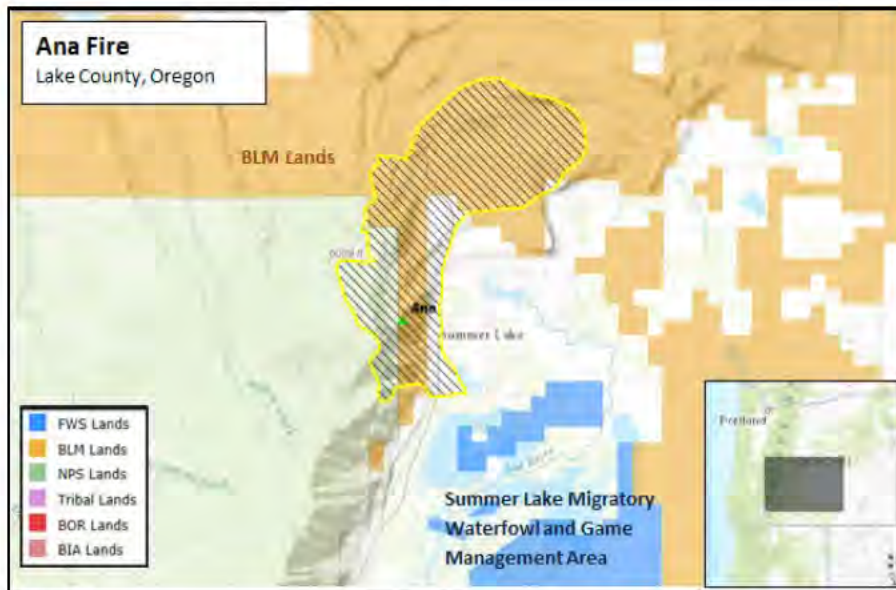
## **Oregon Fires**

### **Ana Fire**

- Start Date: July 8
- Location: Lake County, OR (BLM)
- Burned Acres: 6,200 (+200)
- Containment: 50-percent (+45-percent)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 405 (+52) / 41 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 10 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 24

Comments: Moderate fire behavior was observed with backing, creeping, and smoldering during the reporting period. Lighter winds and higher humidities helped to subdue fire activity. Erratic fire behavior caused damage to approximately 1,500 acres of the the Picture Rock Priority Area of Conservation (PAC) habitat. Fire is within proximity to the Summer Lake Migratory Waterfowl and Game Management Area (FWS). Fire threatens buildings, cultural resources, infrastructure (power transmission lines), recreation and sage grouse habitat.



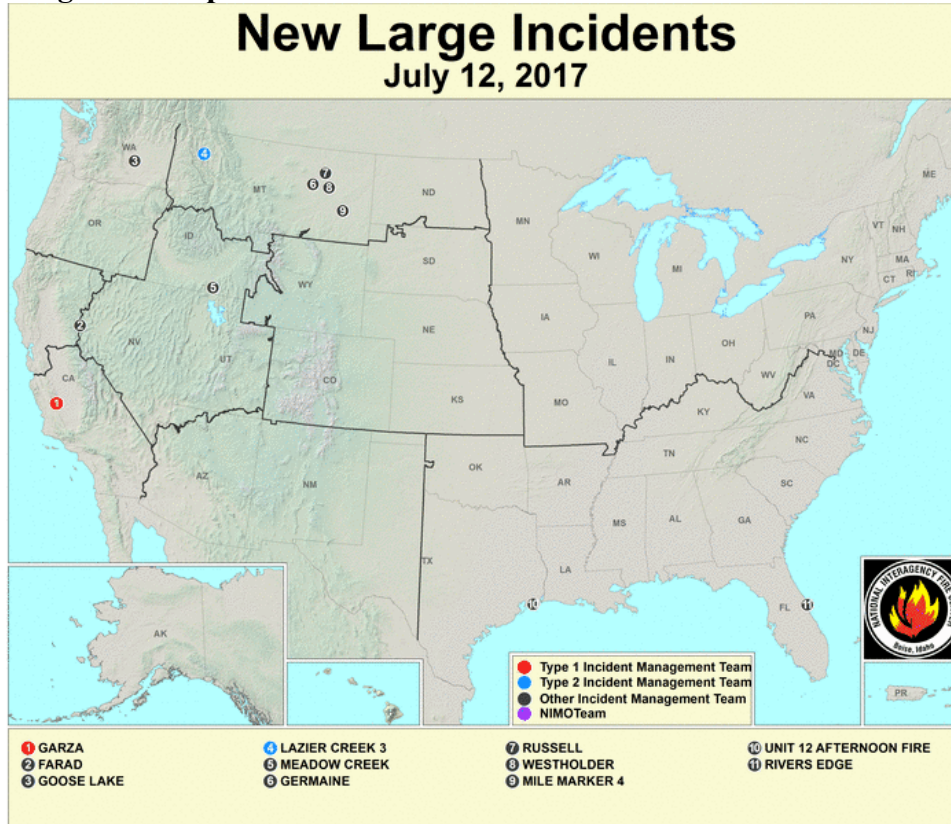


IGEMS Image

The IOC is also monitoring the following fires:

Fire	Location	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Tweeds North	Mohave, AZ	BLM	4	1,078	90%	July 10
Long Valley	Lassen, CA	BLM	3	5,000	0%	July 18
Blue Ridge Complex	Jordan, MT	BLM	3	3,838	0%	July 11
King Valley	Humboldt, NV	BLM	4	2,112	95%	July 12
Dry Gulch	Elko, NV	BLM	4	64,000	95%	July 12

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 12, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (175 new fires)
New large fires:	9
Large fires contained:	11
Uncontained large fires: **	47
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	6
Type 2 IMTs committed:	14

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Ohio Flooding**

### **Central Ohio River Flooding Response**

Source: U.S. Geological Survey (USGS) - July 11, 2017

A series of thunderstorms rolled through central Ohio on July 10 causing localized flooding in Columbus, Kirkersville, and Newark localities. It is estimated that three to four inches of rain fell in these areas. Runoff of the localized street flooding has now entered the South Fork Licking River and the Big Walnut River basins. Additionally, the Deer Creek Basin just southwest of Columbus, also received three to four inches of rain.

Two USGS crews are dispatched to measure the minor flooding from this hydrologic event. The Huntington, West Virginia Army Corps of Engineers District has been notified of all USGS actions.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 11, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant emissions from the volcano were detected in satellite images during the observation period. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Activity can escalate quickly with additional explosions producing high-altitude volcanic clouds with little to no detectable precursory activity.

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 11, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images over the past observation period. Minor degassing was seen in web camera views, but no seismicity or infrasound was detected. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 11, 2017

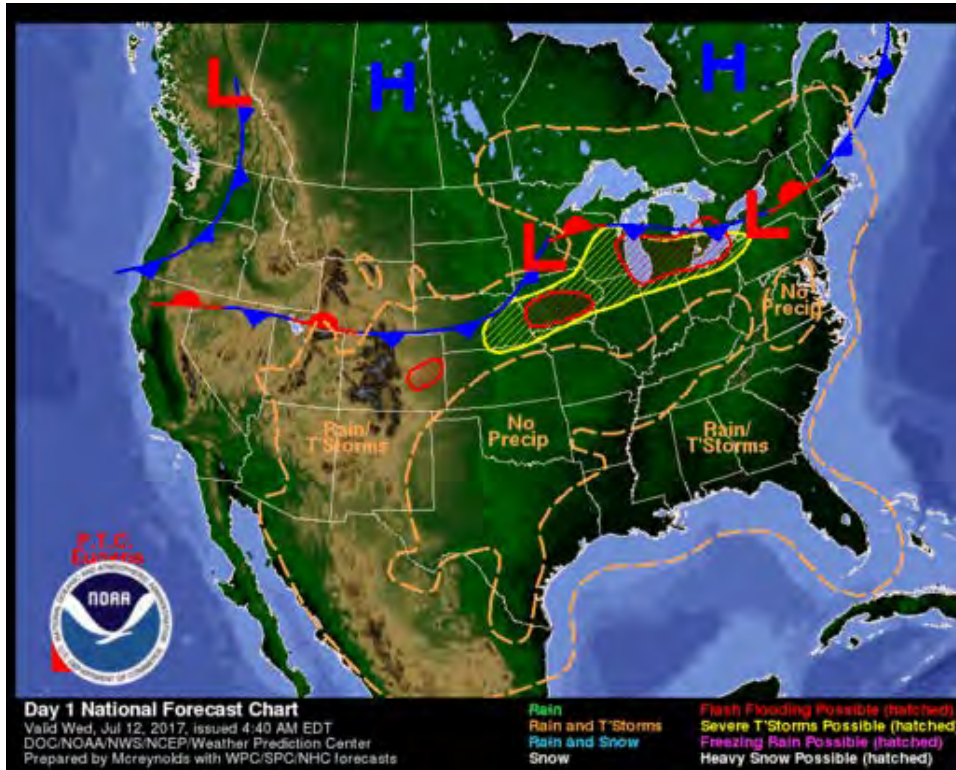
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow from Pu‘u ‘Ō‘ō continues to enter the ocean at Kamokuna. Surface flows are active above the pali, as well as on the coastal plain, within 950 meters of the pali base. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

### **Significant National Weather**

*Source: National Weather Service - July 12, 2017*



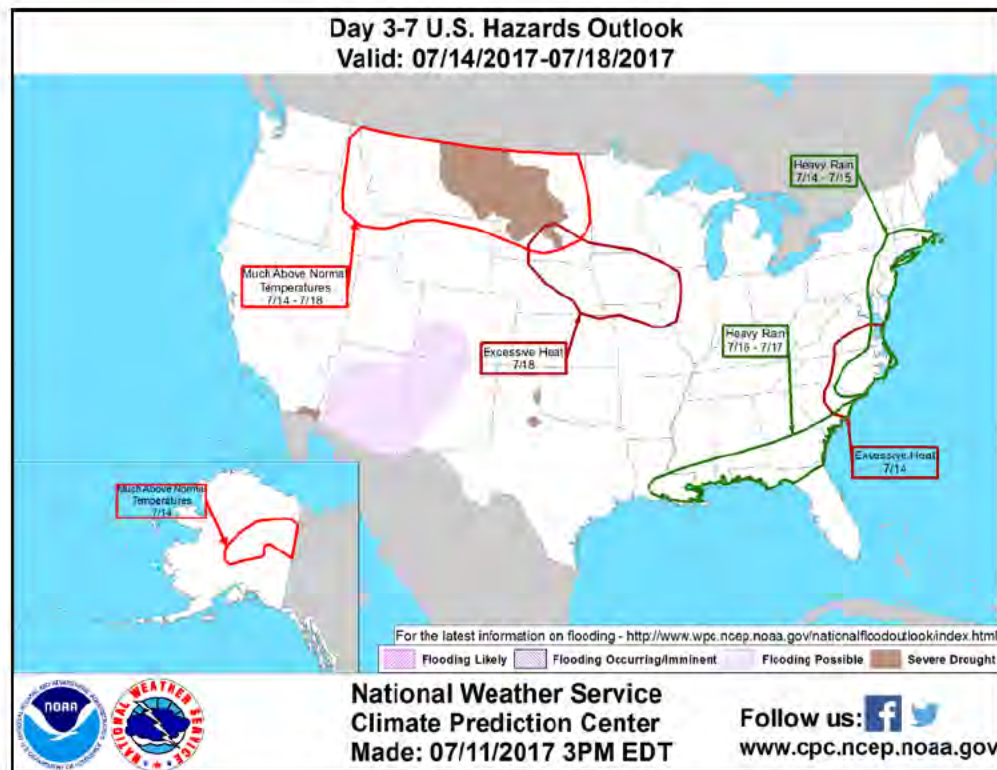
### **Today**

Scattered showers and thunderstorms are forecast across the central and southern Appalachians, the Southeast, the Deep South, the lower Mississippi Valley, and coastal Texas. A frontal system will extend through the Northeast to the Upper Midwest, continuing to the central Rockies and northern Great Basin. Rain and thunderstorms will develop from New England to the Great Lakes, the Midwest, and the central Plains. Severe thunderstorms may impact parts of the mid-Missouri Valley into the upper Midwest and southern Great Lakes region this afternoon and evening, accompanied by a risk for potentially damaging wind gusts and hail. Thunderstorms that develop from the Rockies to the Great Lakes will be slow moving and developing over the same area, which may lead to heavy rainfall and flash flooding especially over eastern Colorado, Iowa, and the southern Great Lakes. Afternoon and evening monsoon related showers and thunderstorms will develop from Mexico into the Four Corners area.

## Tomorrow

Rain and thunderstorms will develop over the Northeast, the Great Lakes, the Ohio Valley, the mid-Atlantic, the mid-Mississippi Valley, and the central Plains. Severe thunderstorms will be possible within a broad area extending from the central and northern High Plains, to the middle Mississippi Valley, to the lower Great Lakes and the Ohio Valley region, to the mid-Atlantic and southern New England. The greatest risk for severe thunderstorms will extend across portions of eastern Illinois, Indiana, Ohio, western Pennsylvania, and the northern panhandle of West Virginia. Widespread showers and thunderstorms will also develop across portions of the Southeast, the southern Appalachians, the Deep South, the lower Mississippi Valley, and eastern Texas. Afternoon and evening showers and thunderstorms will once again develop across the Four Corners area and the central Rockies. Isolated severe thunderstorms will also be possible across portions of southern Arizona and vicinity.

## Weather Hazard Assessment



- July 14: Much above-normal temperatures for the Yukon Valley of Alaska.
- July 14: Excessive heat for parts of the mid-Atlantic and Southeast.
- July 14-15: Heavy rain shifting south across the Northeast and mid-Atlantic.
- July 14-18: Much above-normal temperatures for much of the northern Rockies and the northern Great Plains.
- July 14-15: Flash flooding is possible for parts of the southwestern U.S.
- July 16-17: Heavy rain for parts of the Southeast.

- July 18: Excessive heat for parts of the western central Plains and middle Mississippi Valley.

### Alaska Weather

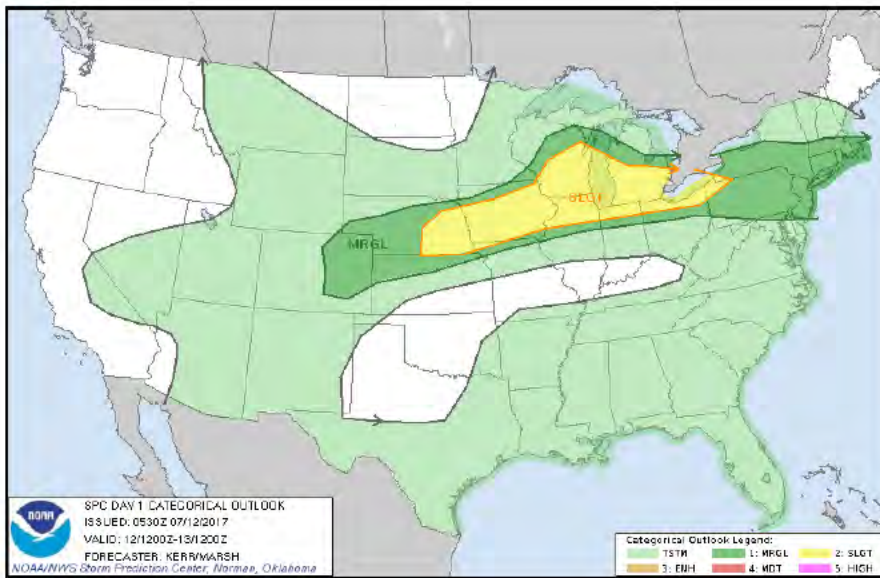


Small Craft Advisories are in effect through the Aleutian Islands, from Attu to Nikolski, the Shelikof Strait, from Sitkinak to Shuyak Island, the St. Matthew Island waters, from Dall to Point Wales, and Cape Thompson through Point Franklin. There is a Special Weather Statement in effect for the eastern Alaskan interior due to rising rivers.

### Significant River Flooding

There is no Significant River Flooding expected for the next five days.

### Severe Weather



There is a Slight Risk of severe thunderstorms this afternoon and evening across parts of the mid-Missouri Valley, upper Midwest, and the lower Great Lakes region. The surrounding area contains a Marginal Risk of severe thunderstorms from the Colorado Front Range, and east to the northern mid-Atlantic coast and into southern New England.

### **Tornado Weather**

There is 2-percent chance of tornado activity across the Great Lakes region.



### **Fire Weather**

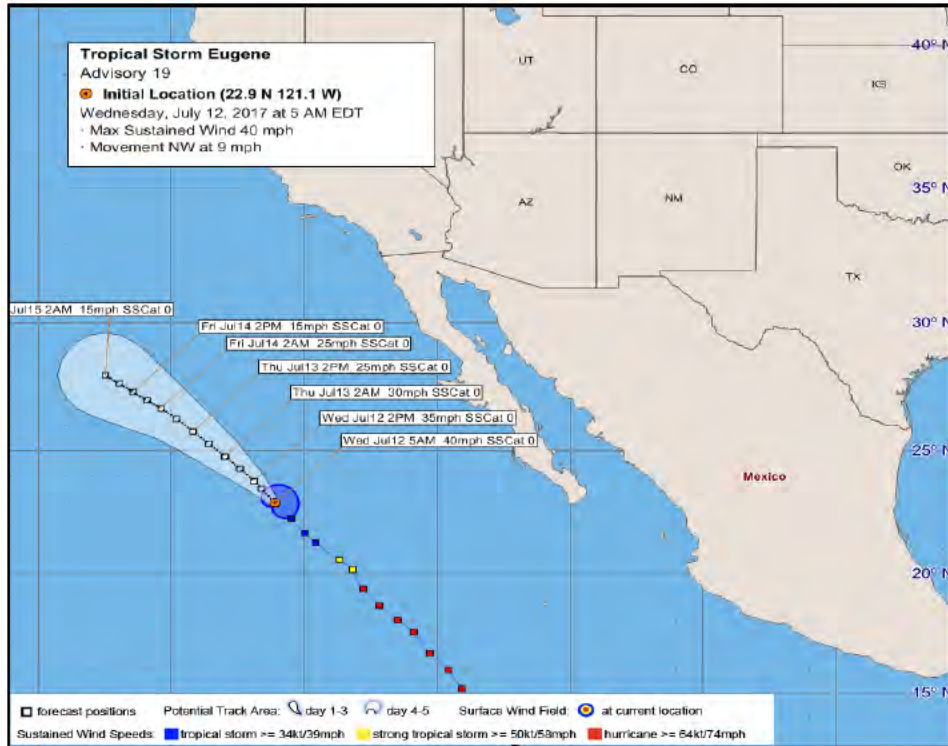
There is no Critical Fire Weather forecast for today.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – July 12, 2017

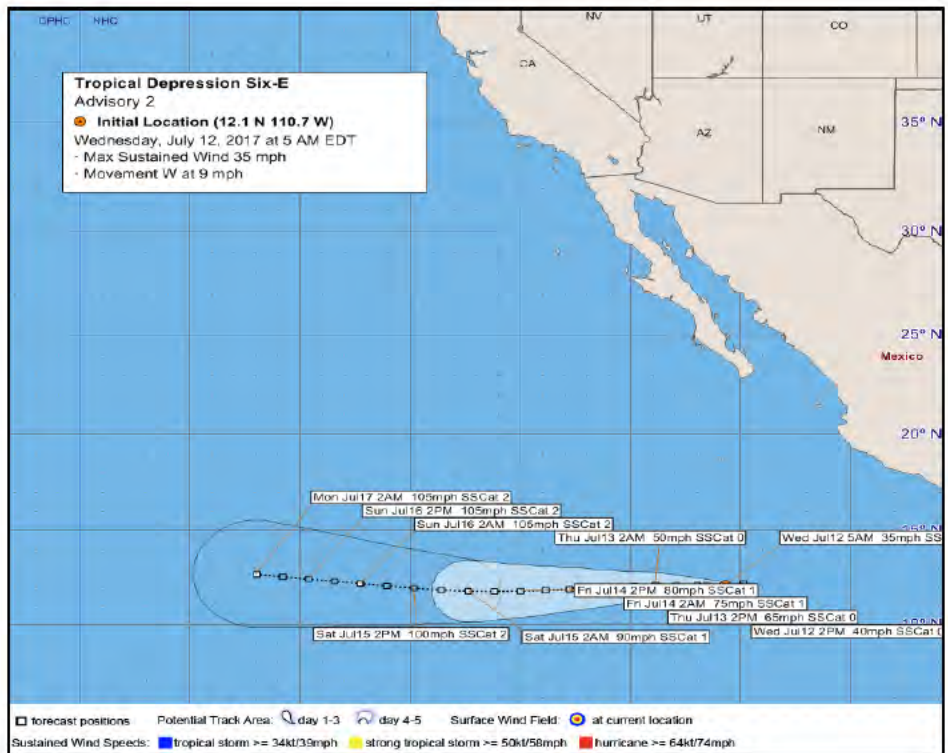
### **Eastern Pacific Ocean**

As of 5:00 a.m. EDT, the center of Tropical Storm Eugene was located approximately 505 miles southwest of Punta Eugenia, Mexico. Eugene is moving toward the northwest near 9 miles per hour (mph), and this general motion is expected to continue through Thursday night. Maximum sustained winds have decreased to near 40 mph, with higher gusts. Additional weakening is forecast during the next 48 hours, and Eugene is expected to degenerate into a remnant low later today. Tropical-storm-force winds extend outward up to 60 miles from the center.



HURREVAC Image

## Tropical Depression Six-E





As of 5:00 a.m. EDT, the center of Tropical Depression Six-E was located approximately 750 miles south of the southern tip of Baja California, Mexico. The Depression is moving toward the north near 9 mph, and this general motion is expected to continue during the next 48 hours. Maximum sustained winds have decreased to near 35 mph, with higher gusts. Additional strengthening is forecast during the next couple of days, and is expected to become a Tropical Storm later today. There are no coastal watches or warnings in effect at this time.

### **Atlantic Ocean**

There is no tropical cyclone activity is expected over the next 48 hours.

***\*End of Report\****

### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, July 13, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 13, 2017*

The **Tweeds North Fire** in Arizona, the **Dry Gulch Fire** in Nevada, and the **King Valley Fire** in Nevada have all reached 100-percent containment and will not be summarized in today's report.

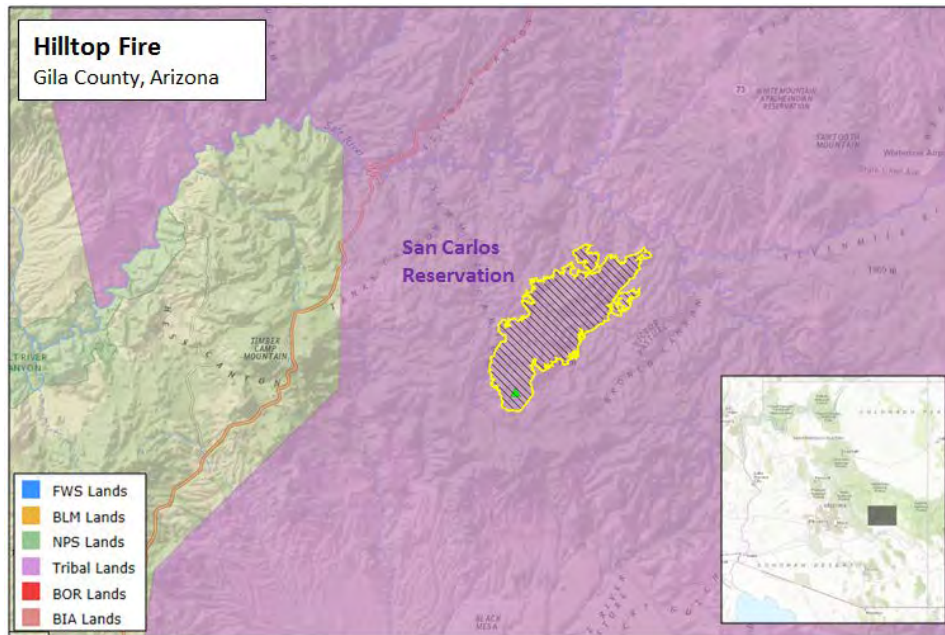
## Arizona

### **Hilltop Fire**

- Start Date: June 25
- Location: San Carlos Reservation, AZ (BIA)
- Burned Acres: 33,826 (no change)
- Containment: 80-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 187 (-111) / 62 (-15)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 12 (no change) / 0 (no change)
- Containment Date: July 18

Comments: Fire behavior was described as minimal due to heavy rain during this reporting period. A potential threat exists for new starts due to high frequency of lightning produced from recent storms; however, the fire is not expected to grow due to heavy rain in the forecast.



IGEMS Image

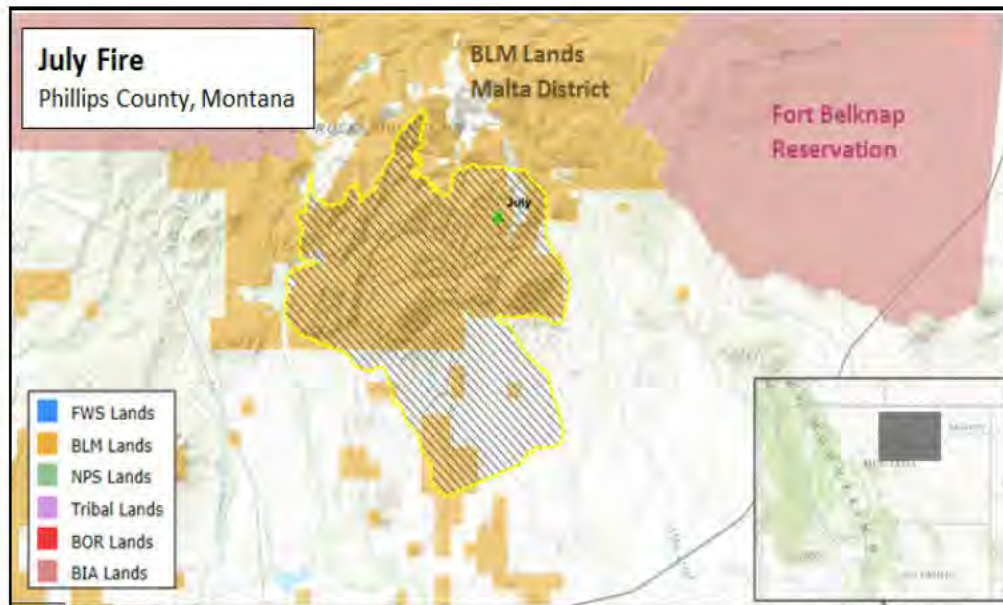
## **Montana**

### **July Fire**

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 11,174 (+81)
- Containment: 80-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 357 (-41) / 113 ( no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-101) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire activity was described as moderate during this reporting period. The fire is projected to spread in upper Alder Gulch near the Landusky mine site and the communications

tower in the north flank area. The communities of Zortman, Landusky, Hays, and Lodgepole remained threatened.

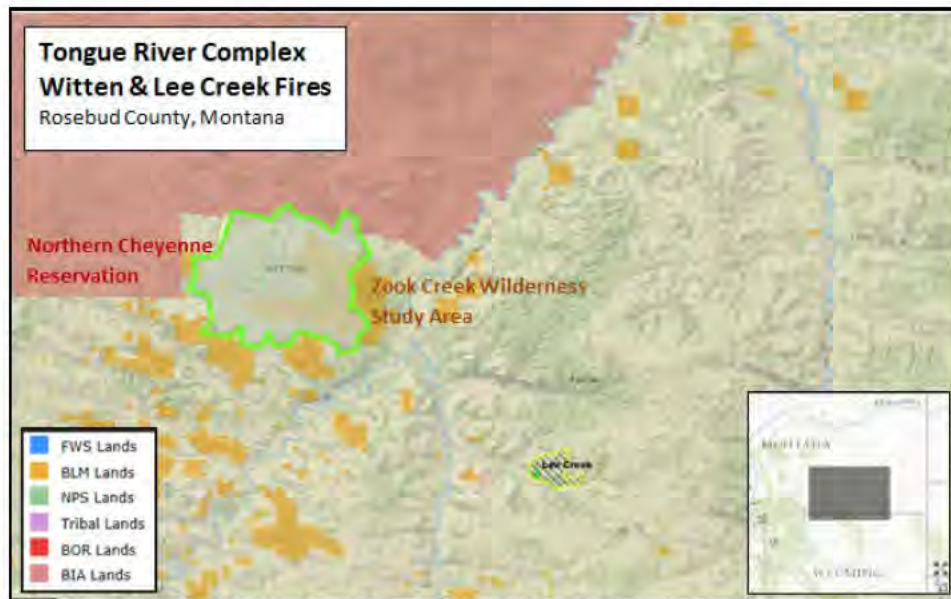


IGEMS Image

### Tongue River Complex

- Start Date: July 9
- Location: Rosebud County, MT (BLM)
- Burned Acres: 32,314 (+3,082) [Witten Fire 28,957 (+2,273) / Lee Creek 3,357 (+809)]
- Containment: 70-percent (+9)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 256 (-58) / 29 (+1)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-7) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire behavior was described as moderate during this reporting period. The potential for movement outside the containment lines on this fire has been significantly reduced. The Tongue River Complex is comprised of the Witten and Lee Creek Fires.



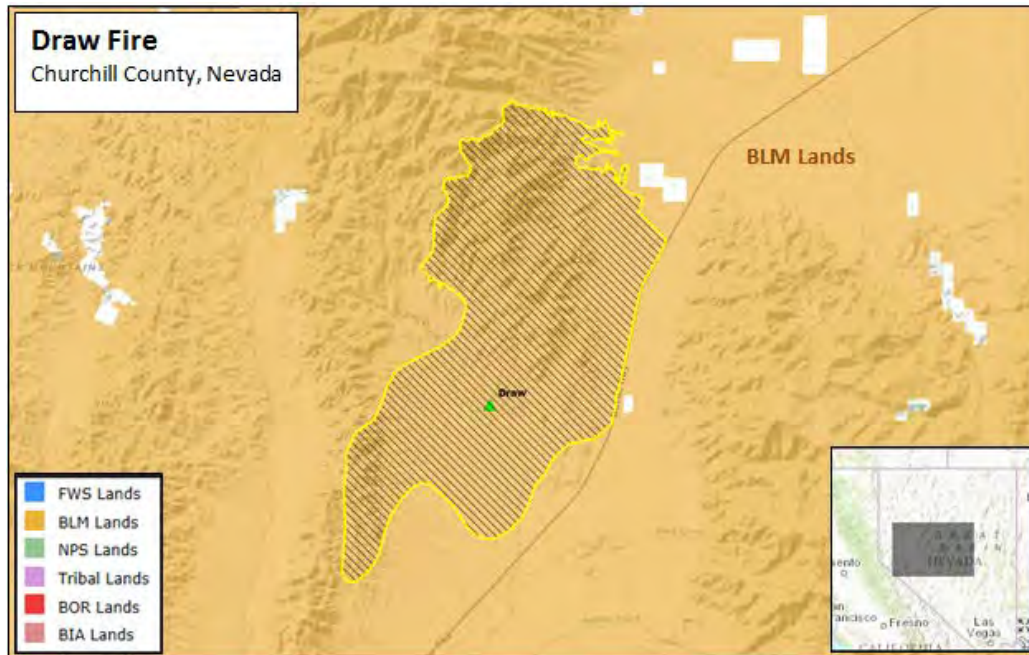
IGEMS Image

## Nevada

### Draw Fire

- Start Date: July 7
- Location: Churchill County, NV (BLM)
- Burned Acres: 26,872 (+1,623)
- Containment: 70-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 572 (+96) / 98 (+34)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 2 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: July 20

Comments: Fire behavior was active during this reporting period with running, torching, and spotting. There is a potential threat to the Tungsten Mine, Clan Alpine Ranch, and landing strip increases, if the fire continues to burn to the north. The fire is also threatening and/or has damaged high energy transmission lines and power poles that service the U.S. Navy's Fallon Naval Air Station, surrounding area, and western Nevada.



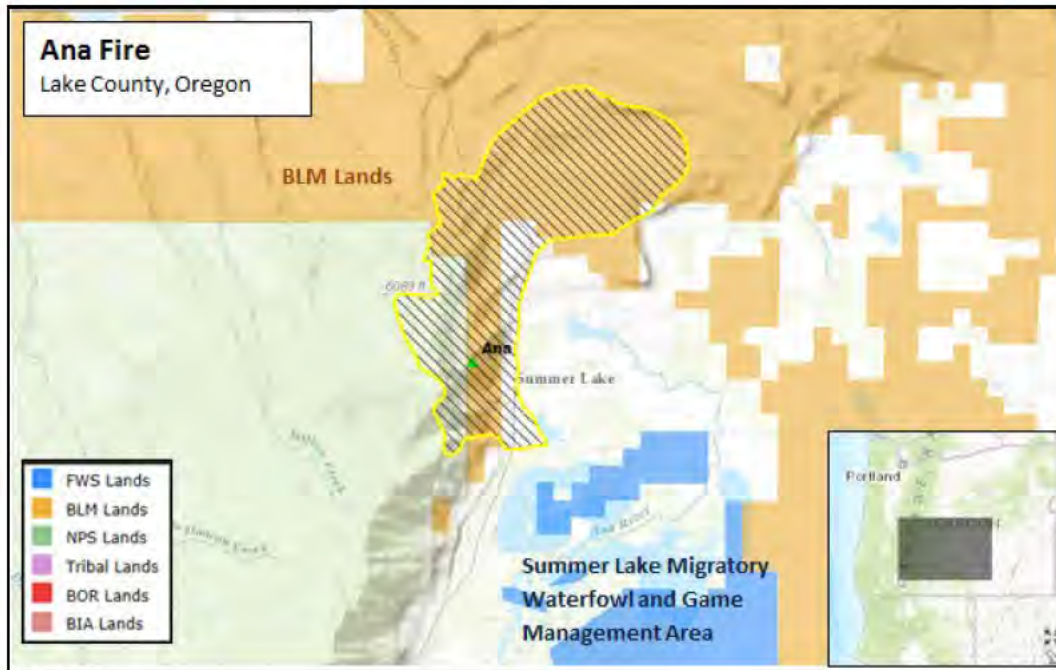
IGEMS Image

## Oregon

### Ana Fire

- Start Date: July 8
- Location: Lake County, OR (BLM)
- Burned Acres: 5,874 (-326)
- Containment: 75-percent (+25-percent)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 316 (-89) / 28 (-13)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (no change) / 10 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 24

Comments: Moderate fire behavior was observed with backing, creeping, and smoldering during the reporting period. The fire behavior is confined mostly to the interior pockets of the unburnt fuels and has low flame lengths with low rates of spreading.

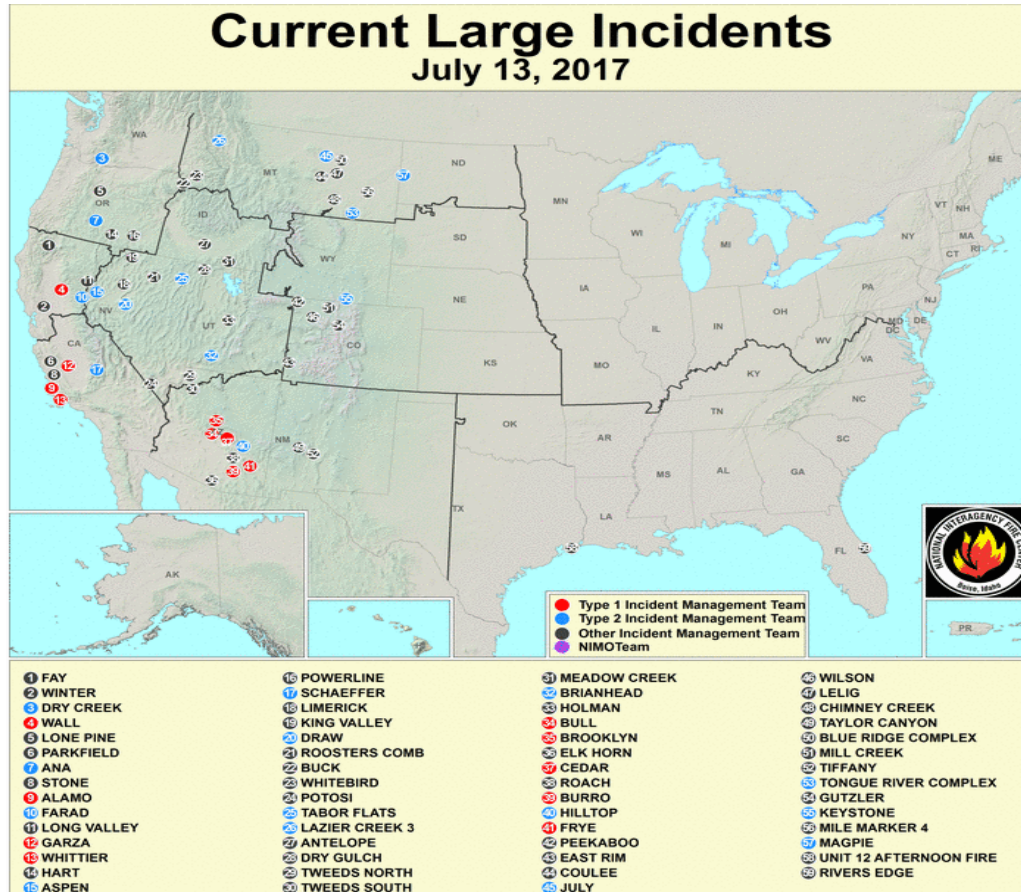


IGEMS Image

The IOC is also monitoring the following fires:

Fire	Location	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Long Valley	Lassen, CA	BLM	3	20,500	3%	July 20
Peekaboo	Moffat, CO	BLM	3	12,839	85%	July 20
Blue Ridge Complex	Jordan, MT	BLM	3	1,533	75%	July 14
Coyote	Harney, OR	BLM	3	1,583	0%	July 14

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – July 13, 2017*

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Moderate (213 new fires)
New large fires:	7
Large fires contained:	10
Uncontained large fires: **	43
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	6
Type 2 IMTs committed:	15

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant emissions from the volcano were detected in satellite images during the observation period. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Activity can escalate quickly with additional explosions producing high-altitude volcanic clouds with little to no detectable precursory activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images over the past observation period. Minor degassing was seen in web camera views, but no seismicity or infrasound was detected. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano. On Wednesday morning, sharp deflationary tilt began at the summit.

## **Earthquake Activity**

*Source: U.S. Geological Survey – July 12, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.4 earthquake occurred at 11:36 p.m. EDT on July 12, approximately 69 miles east-southeast of Kokopo, Papua New Guinea at the depth of 20 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this earthquake.

## Major Disaster Declaration

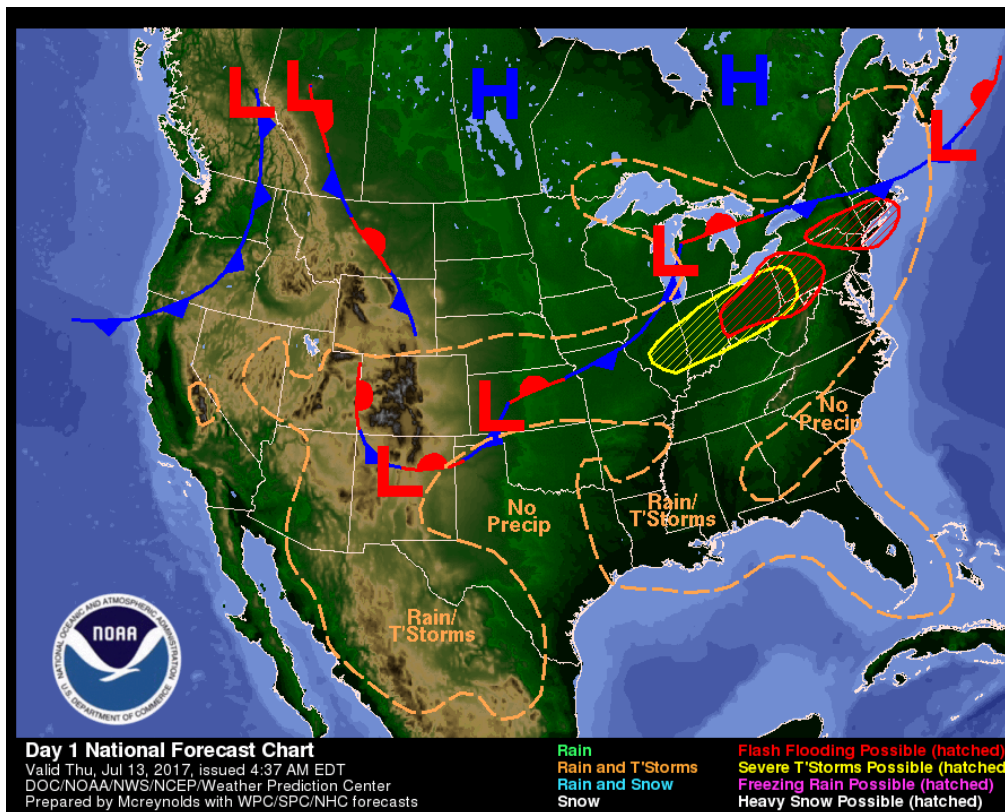
### Major Disaster Declaration for North Dakota

Source: Federal Emergency Management Service - July 12, 2017

The President approved a Major Disaster Declaration on July 12, 2017 for North Dakota and the Turtle Mountain Band of Chippewa Reservation for flooding that occurred March 23 - April 29, 2017. This declaration provides Public Assistance for 10 counties, as well as Hazard Mitigation for all areas within the state.

## Significant National Weather

Source: National Weather Service - July 13, 2017



## Today

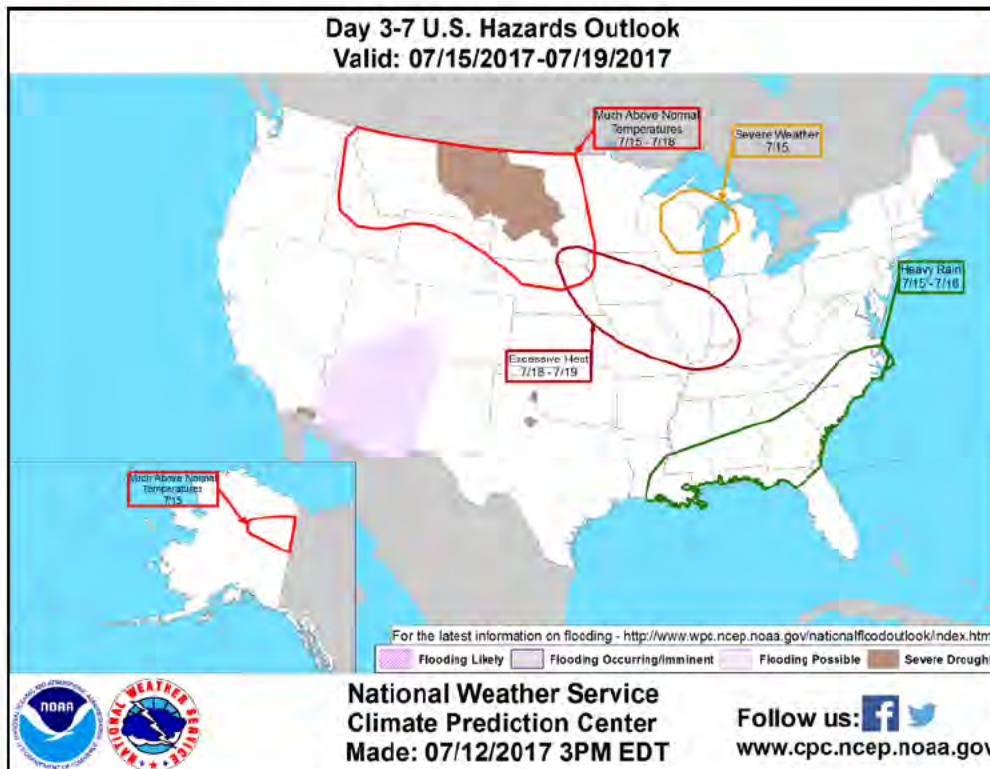
Scattered showers and thunderstorms will continue across Florida, portions of the South, lower Mississippi Valley, and southern Appalachians. A frontal boundary will extend from the Northeast to an area of low pressure over the Great Lakes, and then continue down into the central Plains and Four Corners region. Rain and thunderstorms will develop across the Northeast, the mid-Atlantic, the Ohio Valley, the Great Lakes, the Missouri Valley, and the central Plains. Isolated severe thunderstorms may occur today from the central and northern High Plains eastward to the southern Great Lakes, the mid-Atlantic, and New England. Thunderstorms over the Ohio Valley and the Northeast will produce areas of heavy rain which

could lead to localized flooding and flash flooding. Afternoon and evening monsoonal related showers and thunderstorms will develop from Mexico northward through the Four Corners region into the central Rockies, parts of the Great Basin, and the central Sierras. Isolated strong to severe thunderstorms may develop this afternoon across parts of southern central Arizona.

### Tomorrow

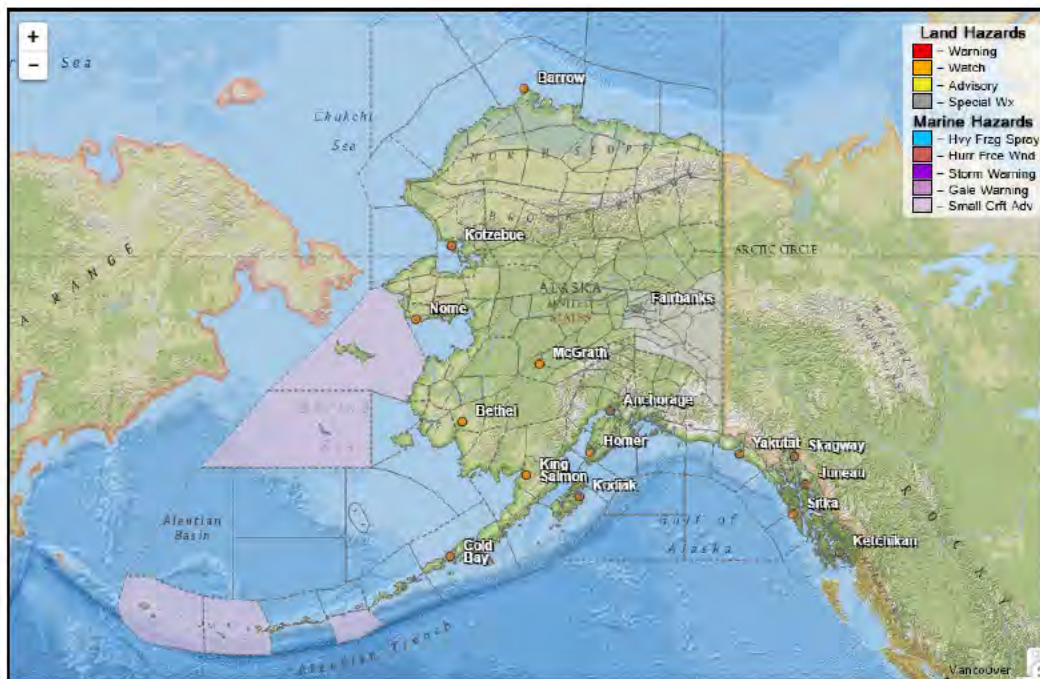
Rain and thunderstorms will develop across the central Plains, the Great Lakes, the Northeast, the mid-Atlantic, and from the Appalachians to the South. Widely scattered severe thunderstorms could produce damaging winds across portions of the central Appalachians and the mid-Atlantic. Additional isolated severe thunderstorms will be possible elsewhere from portions of the eastern States to the mid-South, and across the central High Plains. Heavy rain and flash flooding will be possible for portions of central West Virginia. A weather system moving across the northern Plains will produce scattered showers and thunderstorms over parts of the Dakotas and the upper Midwest. A few of these thunderstorms could be severe. Afternoon and evening showers and thunderstorms will continue across the Four Corners region, the Southwest, and the Rockies.

### Weather Hazard Assessment



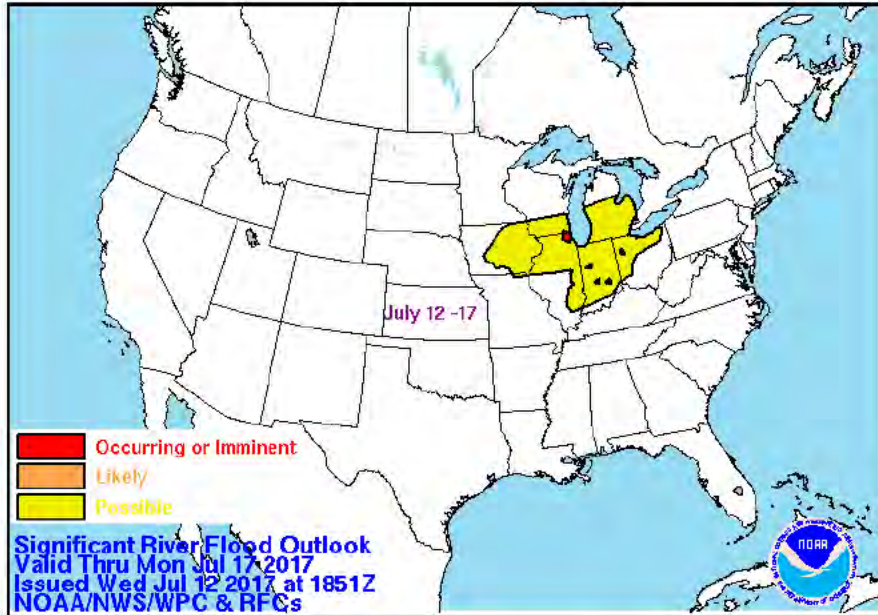
- July 15: Severe weather for parts of Michigan and Wisconsin.
- July 15: Much above normal temperatures for parts of the upper Yukon Valley.
- July 15-16: Heavy rain for parts of the Southeast.
- July 15-18: Much above-normal temperatures for much of the northern Rockies and northern to central Great Plains.
- July 18-19: Excessive heat for parts of the western Corn Belt, middle Mississippi Valley, and lower Ohio Valley.
- July 20: Excessive heat for parts of the middle Mississippi Valley and the Ohio Valley.
- July 20-26: Slight risk of much above-normal temperatures for parts of the Pacific Northwest, the northern Rockies, the Great Plains, the middle and lower Mississippi Valley, the Southeast, and the mid-Atlantic.

## Alaska Weather



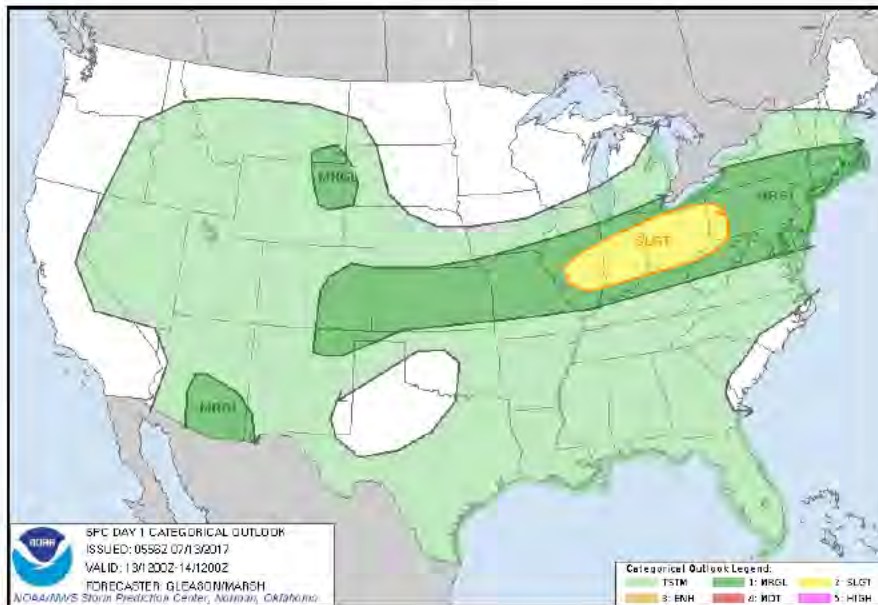
Small Craft Advisories are in effect for Nikolski, the St. Matthew Island waters, from Dall Point to Wales, and from Kiska to Adak.

## Significant River Flooding



Significant River Flooding is occurring or imminent in southeastern Wisconsin and northeastern Illinois. Significant River Flooding is possible throughout portions of Iowa, Illinois, Michigan, Indiana, southern Wisconsin, and Ohio.

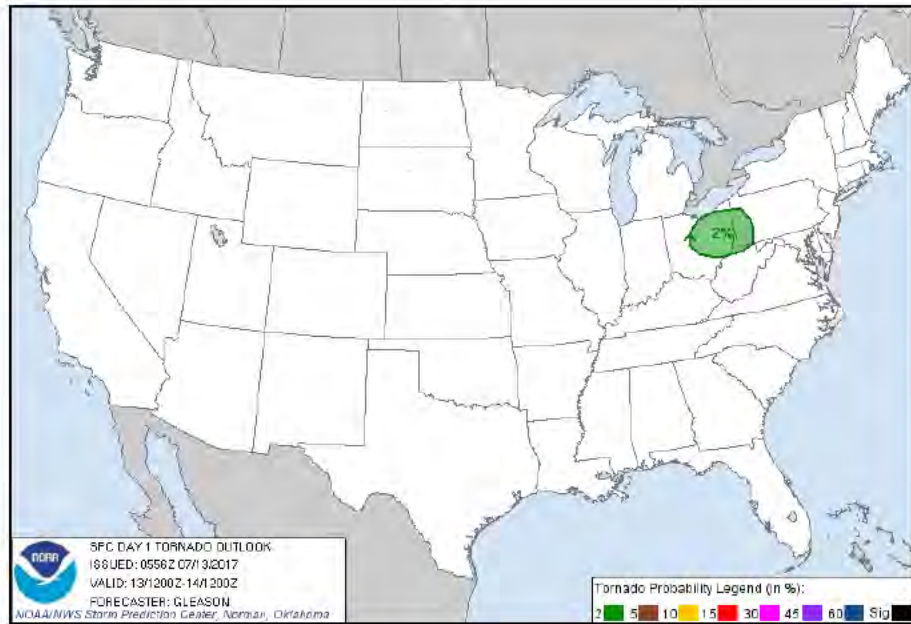
## Severe Weather



There is a Slight Risk of severe thunderstorms across portions of the Ohio Valley. There is a Marginal Risk of severe thunderstorms extending from the central and northern High Plains to

the lower Missouri Valley, the Ohio Valley, the mid-Atlantic, New England, as well as across portions of Arizona and a small part of the northern High Plains.

### Tornado Weather



There is 2-percent chance of tornado activity today across a portion of Ohio and western Pennsylvania.

### Fire Weather



There is no Critical Fire Weather forecast for today across the United States; however, there are Isolated Dry Thunderstorms forecast for portions of northeastern Nevada, Idaho, northwestern Wyoming, southern Montana, and northwestern Utah.

**Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – July 13, 2017*

**Eastern Pacific Ocean**

**Tropical Storm Fernanda**



As of 5:00 a.m. EDT, the center of Tropical Storm Fernanda was located approximately 820 miles south of the southern tip of Baja California, Mexico. Fernanda is moving toward the west near 10 mph. A westward to west-southwestward motion is expected during the next couple of days. Maximum sustained winds have increased to near 50 mph with higher gusts. Additional strengthening is expected during the next 48 hours, and Fernanda is forecast to become a hurricane sometime tonight.

**Atlantic Ocean**

There is no tropical cyclone activity is expected over the next 48 hours.

*\*End of Report\**

**Distribution:**

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EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, July 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 13, 2017*

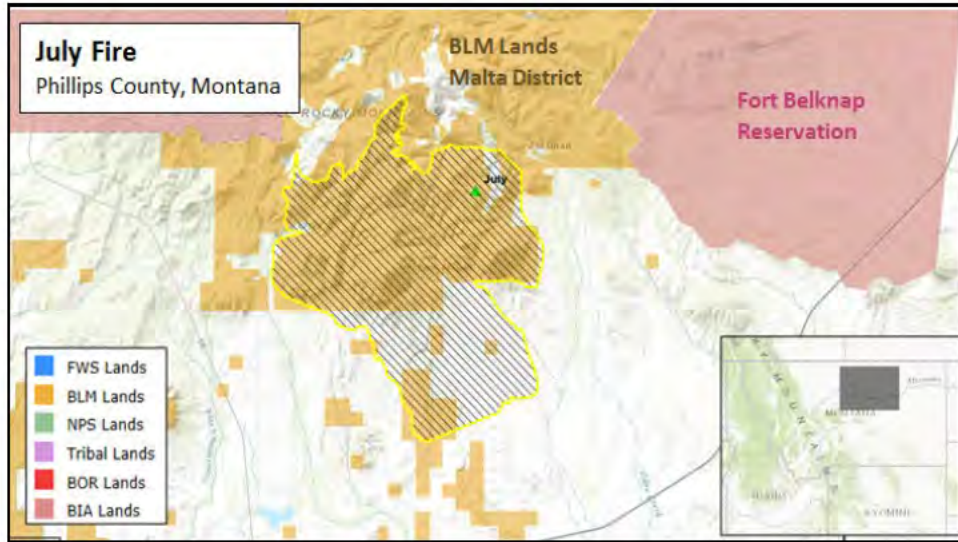
The ICS-209 for the **Hilltop Fire** in Arizona was not updated and will not be summarized in today's report.

## Montana

### July Fire

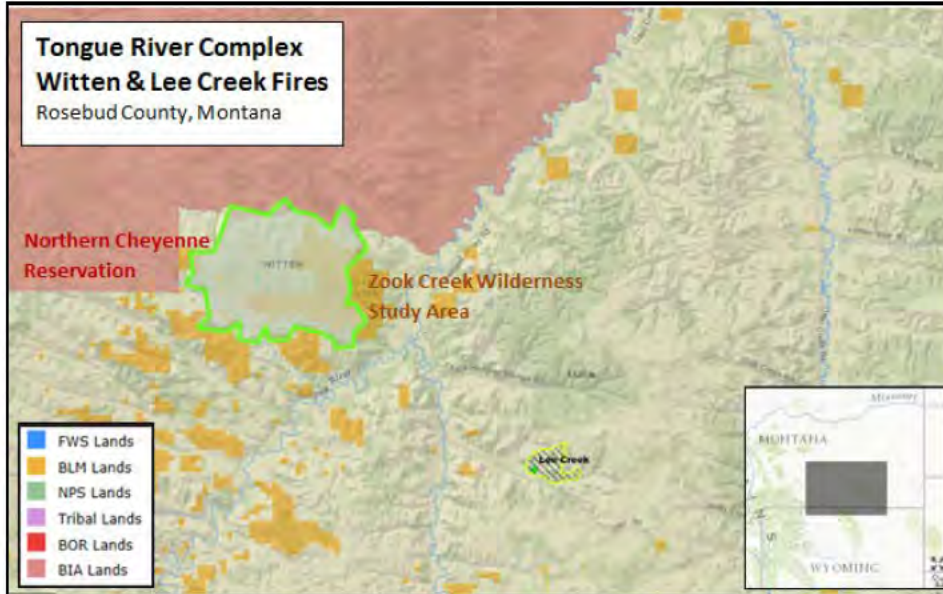
- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 11,440 (+266)
- Containment: 85-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 264 (-93) / 68 (-45)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire activity was described as moderate during this reporting period. The fire is contained on the east flank area. The communities of Zortman, Landusky, Hays, and Lodgepole remained threatened.



IGEMS Image

### Tongue River Complex



IGEMS Image

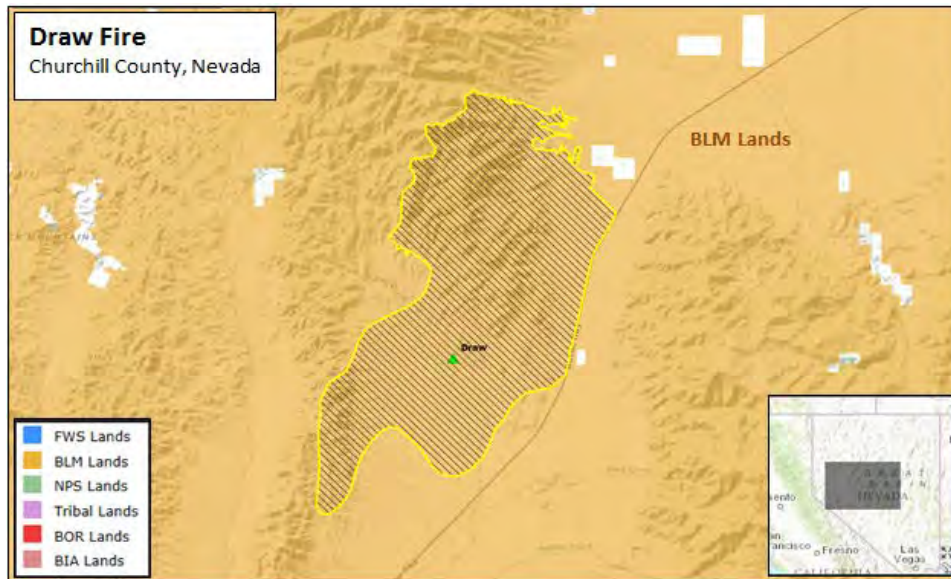
- Start Date: July 9
- Location: Rosebud County, MT (BLM)
- Burned Acres: 32,965 (+651) [Witten Fire 28,957 (no change) / Lee Creek 4,008 (+651)]
- Containment: 83-percent (+13)

- Management: Type-2 IMT
- Personnel Assigned / DOI: 256 (-23) / 37 (+8)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire behavior was described as moderate during this reporting period. The potential for movement outside the containment lines on this fire has been significantly reduced. The Tongue River Complex is comprised of the Witten and Lee Creek Fires.

## Nevada

### Draw Fire



IGEMS Image

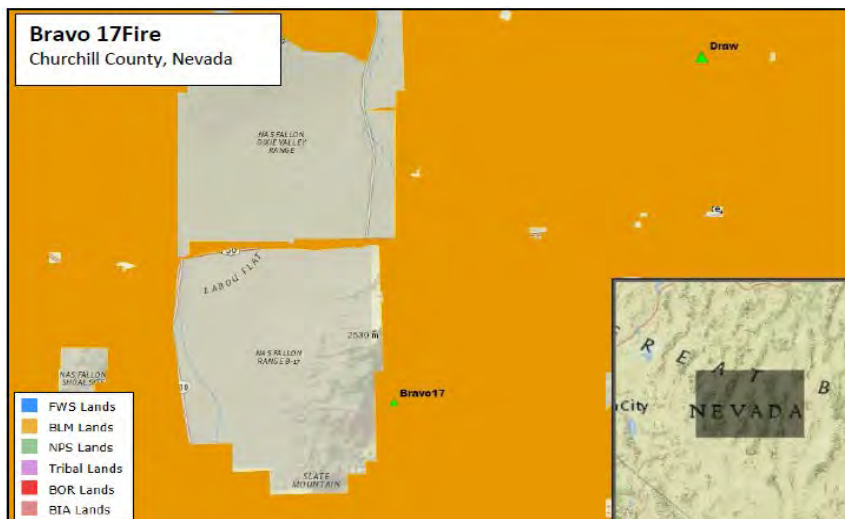
- Start Date: July 7
- Location: Churchill County, NV (BLM)
- Burned Acres: 27,506 (+634)
- Containment: 80-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 554 (-18) / 85 (-13)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-25) / 0 (-2)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire behavior was active during this reporting period with smoldering, torching, and creeping. There is a potential threat to the Tungsten Mine, Clan Alpine Ranch, and landing strip increases, if the fire continues to burn to the north. The fire is also threatening and/or has damaged high energy transmission lines and power poles that service the U.S. Navy's Fallon Naval Air Station, surrounding area, and western Nevada.

### Bravo17 Fire (Initial)

- Start Date: July 12
- Location: Churchill County, NV (BLM)
- Burned Acres: 9,000
- Containment: 10-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 56 / 13
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 17

Comments: Fire behavior was active during this reporting period with running and spotting. The fire is burning on and adjacent to the U.S. Navy Fallon Naval Air Station (NAS). This fire poses a threat to this facility along with Fairview Peak Communications and fire camera infrastructure, which can affect communications for incoming fire resources. Suppression efforts are limited to BLM lands adjacent to the NAS. All air operations must be approved by the NAS prior to mission implementation.



IGEMS Image

## Oregon

### Ana Fire

- Start Date: July 8
- Location: Lake County, OR (BLM)
- Burned Acres: 5,874 (no change)
- Containment: 90-percent (+15-percent)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 235 (-81) / 30 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-25) / 0 (-10)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire behavior is minimal during the reporting period. There is little to no threat of fire movement. Fire suppression repair has taken place on fire suppression and contingency lines.



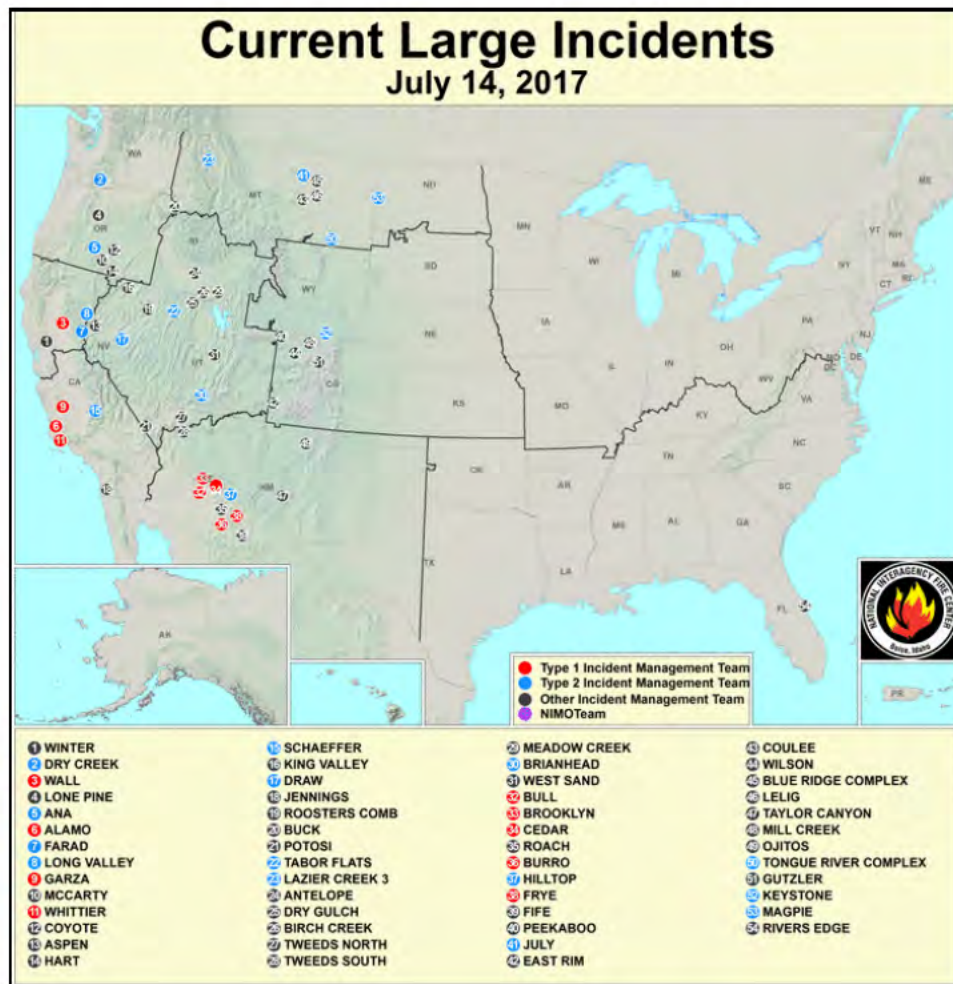
IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	Location (County)	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Long Valley	Lassen, CA	BLM	3	31,000	20%	July 20
Peekaboo	Moffat, CO	BLM	3	12,839	90%	July 20

Cohagen	Garfield, MT	BLM	4	1550	40%	July 16
Blue Ridge Complex	Garfield, MT	BLM	4	1,733	80%	July 15
Coyote	Harney, OR	BLM	3	1,583	90%	July 14

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 14, 2017

#### National Preparedness Level 4

#### National Fire Activity

Initial attack activity:

Light (151 new fires)

New large fires:

7

Large fires contained:	7
Uncontained large fires: **	39
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	13

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Flooding Response**

### **Chicago Area Flooding Response**

Source: U.S. Geological Survey (USGS) - July 13, 2017

During the evening of July 11, five to seven inches of rain fell in the Chicago area over already saturated ground, primarily affecting the Fox and Des Plaines River basins. The National Weather Service (NWS) has forecast near to record level flooding at five streamgages operated by the U.S. Geological Survey (USGS) along the Des Plaines River. All USGS streamgages in this area are operational. Currently, seven USGS streamgages are above the NWS Flood Stage. Two USGS crews have been deployed to the Des Plaines River basin to make streamflow measurements and ensure proper streamgage operation. Three individuals are supporting the event by extending rating curves and communicating with stakeholders. Measurements are planned throughout the weekend. USGS is communicating with the NWS, U.S. Army Corps of Engineers, and emergency managers.

### **Wisconsin Area Flooding Response**

Source: U.S. Geological Survey (USGS) - July 13, 2017

In southeastern Wisconsin, up to seven inches of rain fell which affected the main river basins. The river basins affected are the Fox, Pike, and Root Rivers, with the Fox River at New Munster setting a record peak in the NWS major flood stage. The Fox River in Waukesha and the Root River Canal are in minor flood stage with the Pike River in Racine hitting a new record peak Wednesday. The Fox River at Burlington is also in NWS major flood stage, but the gage is operated by the NWS. Three crews are measuring high water, and the Wisconsin Water Science Center (WiWSC) has been in contact with the NWS North Central River Forecast Center.

### **Ohio Area Flooding Response**

Source: U.S. Geological Survey (USGS) - July 13, 2017

Three inches of rain has fallen overnight on already saturated soils in parts of northwestern Ohio. The Findlay, Ohio area was hit the hardest. The main river basin affected is the Blanchard River; however, Eagle Creek, Lye Creek, and the Outlet all flow into the Blanchard River in the Findlay area. Currently, the Blanchard River at Findlay is the only gage in the major flood stage,

and Eagle Creek is forecast to be in major flood stage in the near future. One river gage, Blanchard River at Gilboa, is not working. Three USGS crews will measure high water with two crews staying in the Findlay area and concentrating on the Blanchard River basin, while one crew will work along the Blanchard River near Gilboa, as there are unconfirmed reports of lightning striking the gage at that location.

### **Western New York Area Flooding**

*Source: U.S. Geological Survey (USGS) - July 13, 2017*

Minor to moderate flooding occurred in a few basins in central and western New York Thursday as a result of heavy rainfall. Runoff was magnified by the wet antecedent conditions from previous rainfall the past several days. Two USGS streamgages reached NWS moderate flood category: one gage in the Cayuga Creek basin near Buffalo, NY and the other gage in the Owasco Inlet basin near Ithaca, NY. The Cayuga Creek near Lancaster gage was at about 10,000 cubic feet per second (cfs) which was a record (77 years of record; previous peak was 9,440 cfs; historic peak of 18,000 cfs in 1937). The stage-discharge rating was exceeded at Cayuga Creek and one short-term streamgage. Another streamgage in the Towanda Creek basin at Attica, NY reached NWS minor flood category.

Streamflows at most USGS streamgages are forecast to recede below NWS flood stage overnight, although a few streams will remain near flood stage through Friday. A total of three USGS crews are making discharge measurements for rating calibration. All equipment is operating, except the backup stage sensor is temporarily replacing the primary stage sensor at Buffalo Creek at Gardenville. Rating extensions, inspections, and possible follow-up discharge measurements are planned for Friday.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was detected in seismic, infrasound, or lightning data and nothing significant was observed in cloudy satellite images during this observation period. Bogoslof volcano remains at a heightened state of unrest and in an unpredictable condition. Activity can escalate quickly with additional explosions producing high-altitude volcanic clouds with little to no detectable precursory activity. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano and will continue to monitor satellite images, information from the Worldwide



Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in cloudy satellite images during this observation period. Web camera views are unavailable due to a data outage since July 12. Explosive activity at Cleveland can be detected by distal stations in the AVO network, but at a reduced level of sensitivity. No seismicity or infrasound from Cleveland has been detected in the last 24 hours on the distal stations. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano. Deflationary tilt continues at the summit.

### **Significant National Weather**

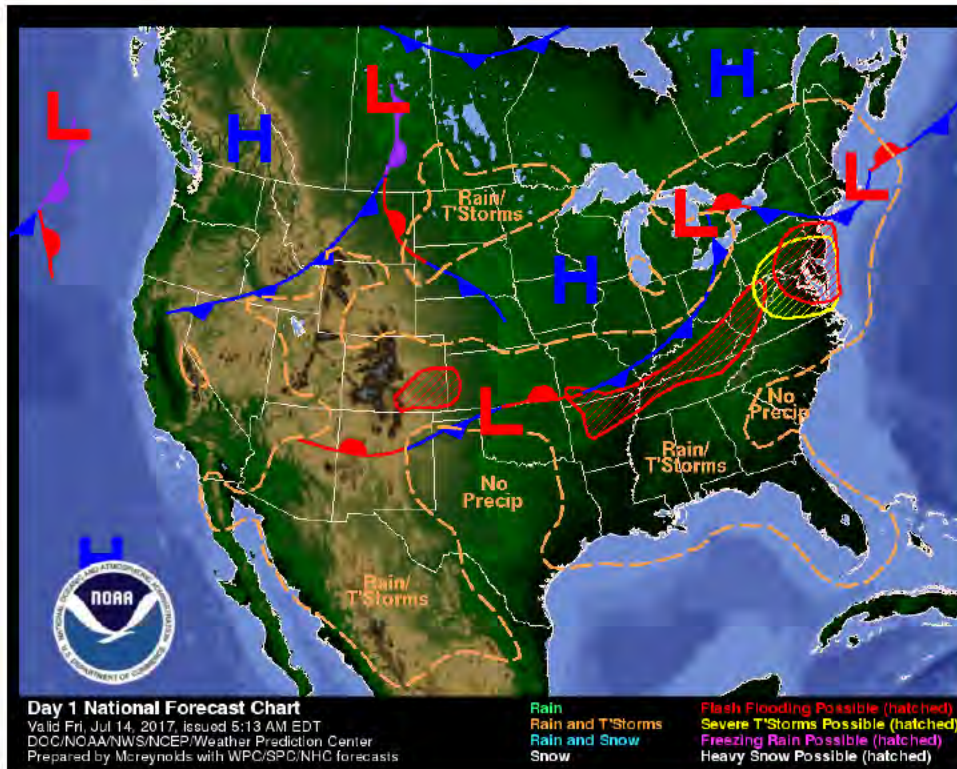
*Source: National Weather Service - July 14, 2017*

### **Today**

A low pressure system centered over the Great Lakes and associated cold front stretching across the Ohio Valley will bring the threat of severe weather to the mid-Atlantic, the Appalachians, and the Tennessee Valley. The primary threats from the storms are strong to damaging winds and flash flooding. This system will also bring the chance of rain and thunderstorms to the Northeast, the Southeast, the Gulf Coast, and the lower Mississippi Valley. Heat Advisories are in place across southeastern Virginia and eastern North Carolina as hot temperatures and high humidity combine to produce heat index values as high as 105-110 degrees. A low pressure system in central Canada will trigger the chance of rain and thunderstorms over the upper Midwest. This system will allow monsoonal rains to continue across much of the West. A low pressure system in the central Plains will bring the chance of rain and thunderstorms to this region. Flash flooding is possible with these thunderstorms across southeastern Colorado.

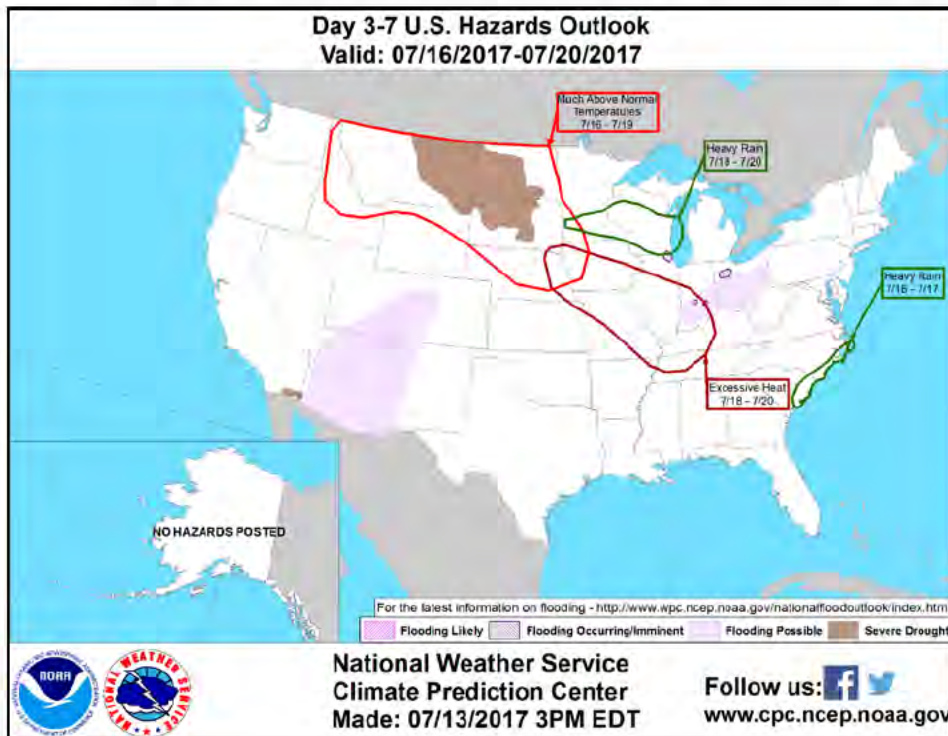
## Tomorrow

A low pressure system will slide east off the Atlantic Coast with associated cold front stretching across the southern mid-Atlantic through the Tennessee Valley. This system will bring the chance of rain and thunderstorms the Northeast, the southern section of the mid-Atlantic, the Southeast, and the Gulf Coast. A low pressure system centered over the northern Plains will bring the threat of severe thunderstorms to western portions of the Great Lakes. There is a chance of rain and thunderstorms due to this system for the southern Plains. Monsoonal precipitation continues across the west in the form of rain and thunderstorms. This precipitation could be heavy and bring the possibility of flash flooding to southeastern Colorado and southwestern Kansas. Storm system off the Pacific will reach the Pacific Northwest and bring the chance of rain to northwestern Washington. Heat Advisories and Excessive Heat Watches are in place for western North Dakota, western Montana, and portions of central California as temperatures approach 100 across these areas.



## Weather Hazard Assessment

- July 16-17: Heavy rain across portions of the Southeast and the mid-Atlantic
- July 16-19: Much above-normal temperatures across portions of the central and northern Plains, the northern Rockies, the middle and upper Mississippi Valley, and the northern Great Basin.
- July 16-20: Flooding possible across portions of the central and southern Rockies, the central Great Basin, and the Southwest.
- July 18-20: Heavy rain across portions of the Great Lakes and the upper Mississippi Valley.
- July 18-20: Excessive heat across portions of the central and northern Plains, the Mississippi Valley, the Tennessee Valley, the Great Lakes, and the Ohio Valley.

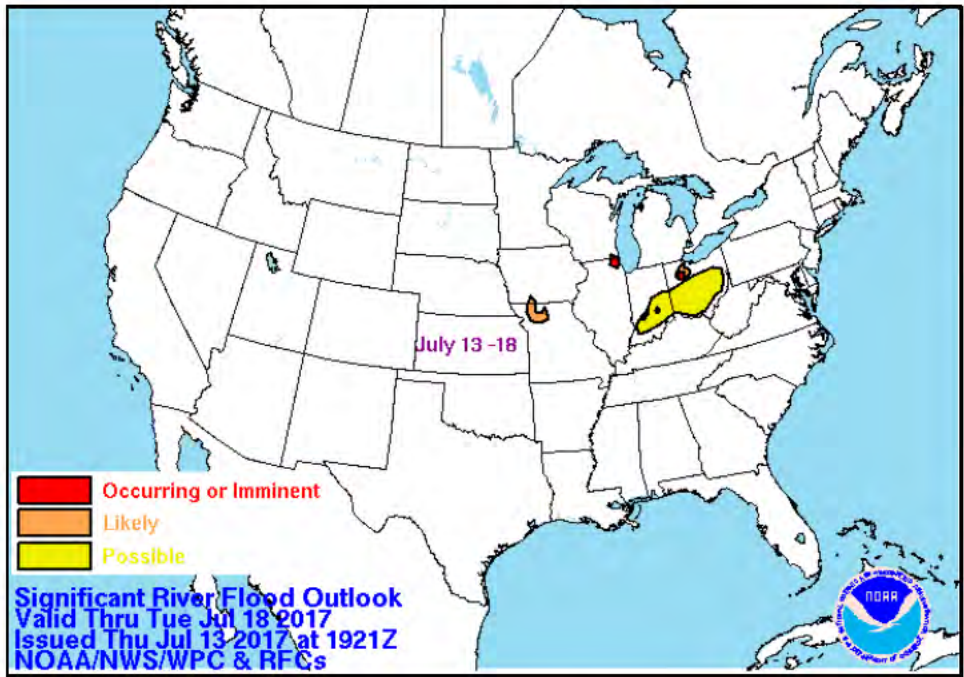


## Alaska Weather

Small Craft Advisories are in effect from Kiska to Adak and along the east side of the Barren Islands.



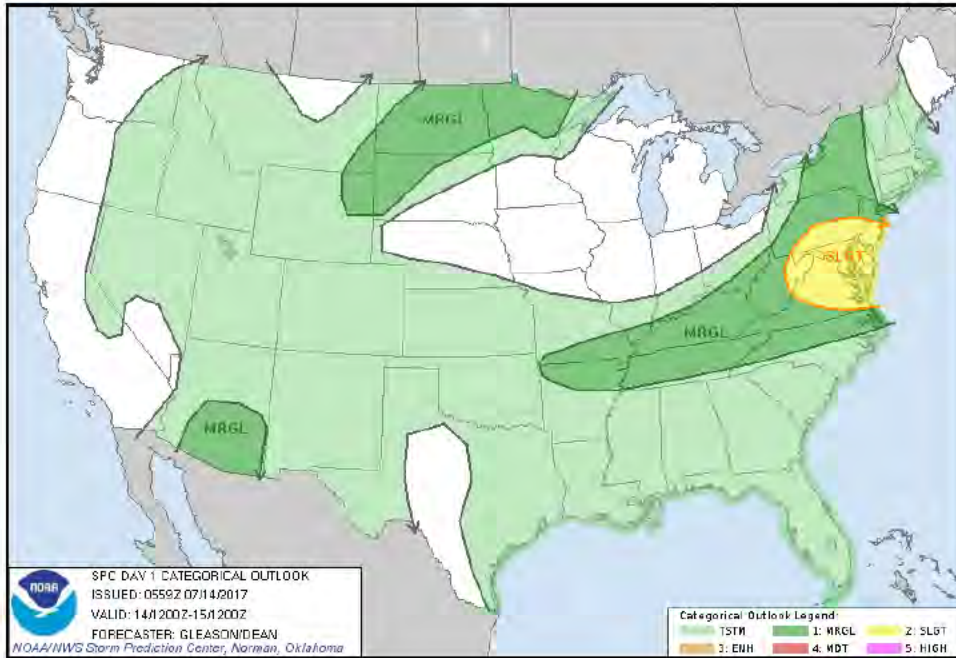
**Significant River Flooding**



Significant River Flooding is occurring, imminent, or likely in southeastern Wisconsin, northwestern Ohio, northeastern Illinois, northern Missouri, and southern Iowa. Significant River Flooding is possible across Indiana and Ohio.

## Severe Weather

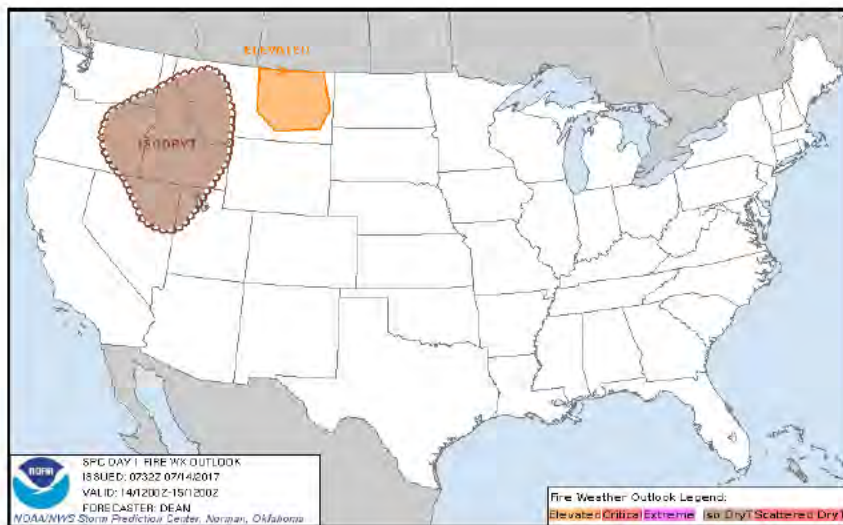
There is a Slight Risk of severe thunderstorms across portions of the mid-Atlantic. There is a Marginal Risk of severe thunderstorms across portions of the Northeast through the mid-Atlantic into the Ohio/Tennessee valleys and mid-South, the north-central States, and southern Arizona.



## Tornado Weather

There is less than 2-percent chance of tornado activity today in the United States.

## Fire Weather



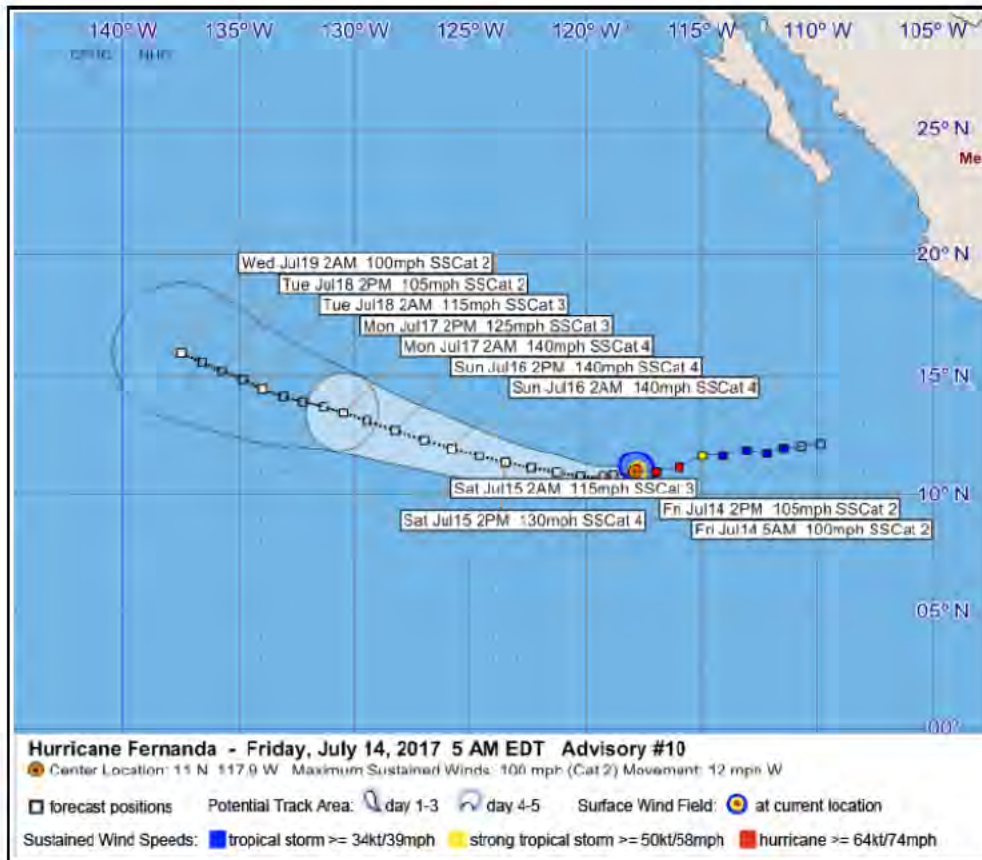
There is no Critical Fire Weather forecast for today across the United States; however, there is Elevated Fire Weather forecast for Montana. There are Isolated Dry Thunderstorms forecast for northeastern Nevada, Idaho, western Montana, southeastern Washington, eastern Oregon, and northwestern Utah.

### Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – July 14, 2017

#### Eastern Pacific Ocean

#### Hurricane Fernanda



As of 5:00 a.m. EDT, the center of Hurricane Fernanda was located approximately 975 miles southwest of the southern tip of Baja California, Mexico. Fernanda is moving toward the west near 12 mph, and this motion is expected to continue during the next 2 days. On this track, Fernanda will continue to move over the open waters of the eastern North Pacific during the next few days. Maximum sustained winds have increased to near 100 mph with higher gusts. Some additional strengthening is anticipated during the next 48 hours, and Fernanda is likely to become a major hurricane later today. Hurricane-force winds extend outward up to 25 miles from the center and tropical-storm-force winds extend outward up to 60 miles.

## Atlantic Ocean

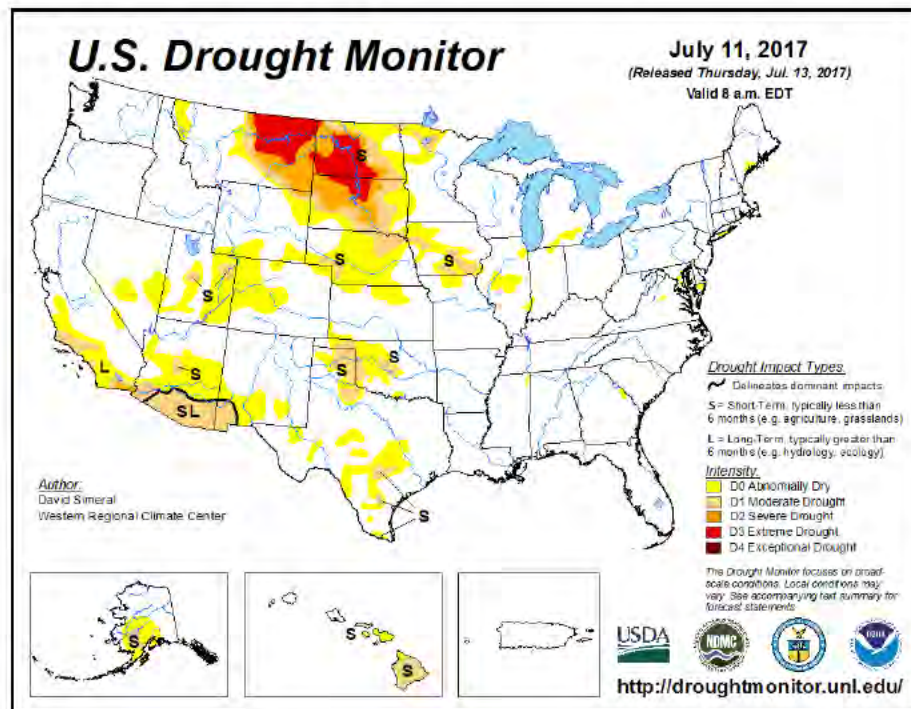
There is no tropical cyclone activity is expected over the next 48 hours.

## Other News and Notes

### Drought Monitor

*Source: National Weather Service/National Hurricane Center – July 14, 2017*

This week saw hot and dry conditions persistent across the western U.S as a ridge of high pressure anchored over the region compounded the drought conditions in eastern Montana as well as elevating fire danger across the region. According to the National Interagency Fire Center, there are currently 70 large fires burning across the West. On Friday and Saturday, daily high-temperature records were broken at various locations, which included Las Vegas (116°F), Los Angeles (98°F), Phoenix (118°F), Reno (104°F), Boise (104°F), and Salt Lake City (104°F). Some relief from the heat came as a monsoonal circulation that returned to the southwest brought scattered showers and thunderstorms to portions of the southwest and eastern Great Basin, although accumulations were generally less than one inch for the week. In the drought-stricken areas of eastern Montana and the Dakotas, excessive heat continued to deplete soil moisture and further stressed rain-fed crops, pastures, and rangelands. In southern Oklahoma, the rainfall the past several weeks has led to improvements in soil moisture in the eastern and southern portions of the state. Elsewhere, short-term precipitation deficits and dry soils led to expansion of areas of moderate drought in Iowa while the eastern U.S. remained drought-free.



*\*End of Report\**

**Distribution:**

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IOS Senior Officials\*

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, July 17, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - July 17, 2017](#)*

The **Tongue River Complex** and the **Cohagan Fire** in Montana, the **Draw Fire** in Nevada, and the **Ana** and **Coyote Fires** in Oregon have all reached 100-percent containment and will not be summarized in today's report.

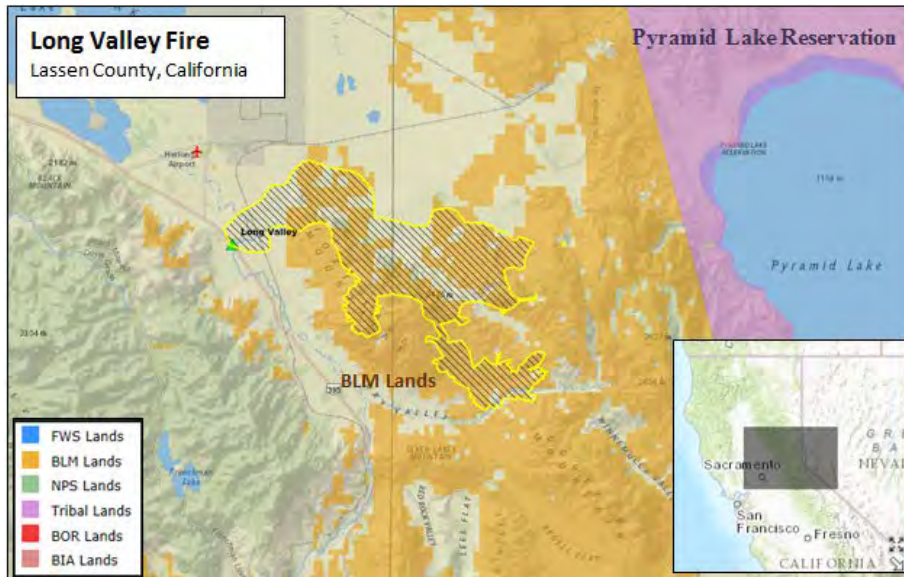
## California

### **Long Valley Fire**

- Start Date: July 11
- Location: Lassen County, CA (BLM)
- Burned Acres: 77,642 (+46,642)
- Containment: 35-percent (+15)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 873 (+349) / 159 (+101)
- Structures Threatened-Single-Mixed Residential/Commercial: 500 (+200) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)

- Containment Date: July 25

Comments: Fire behavior remained active with short-range spotting and wind driven runs through dry fuels. The Sage Grouse primary habitat management area burned is estimated to be 14,613 acres, and general habitat management area burned is estimated to be 17,014 acres. Resources continue to map the perimeter and assess damage to infrastructure and private property. High-voltage power lines that service Reno, Nevada remain threatened.



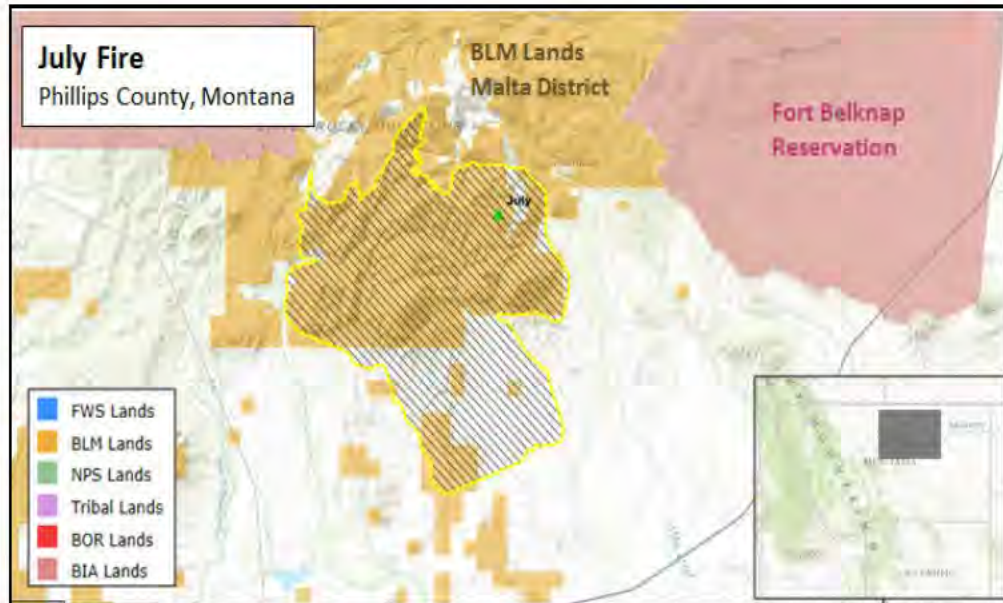
## Montana

### July Fire (Final)

- Start Date: July 3
- Location: Phillips County, MT (BLM)
- Burned Acres: 11,699 (+259)
- Containment: 95-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 39 (-225) / 5 (-63)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 15

Comments: Fire activity was described as minimal during this reporting period. One single residence was found destroyed in Landusky during a previous operational period. Fire is being contained at the Landusky mine site and communication sites. Minimal timber base is expected

to be threatened going forward. The remaining fire is tied into the natural holding features along the northern perimeter. Suppression rehabilitation operations have been completed.



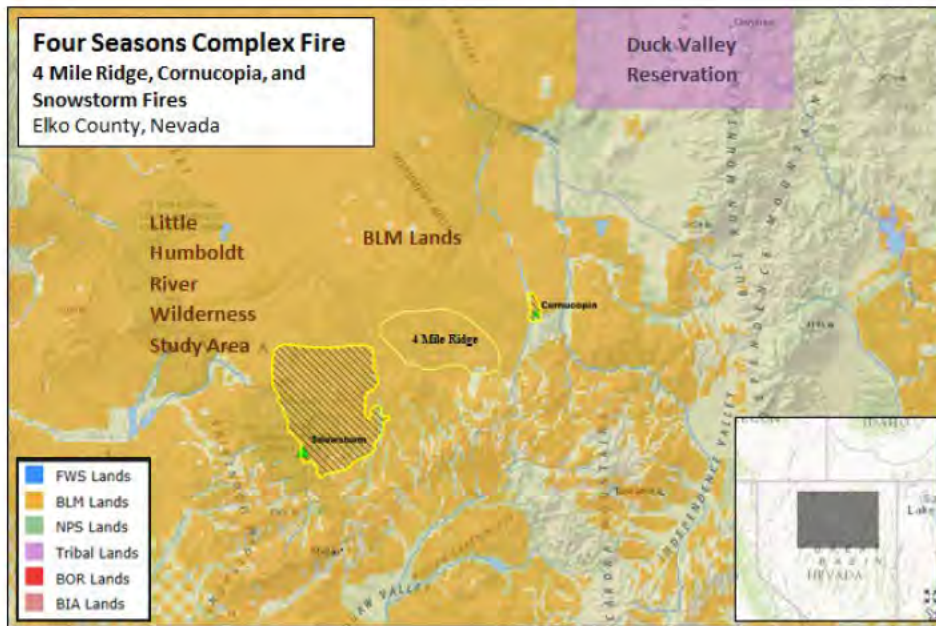
IGEMS Image

## Nevada

### **Four Seasons Complex (Initial)**

- Start Date: July 16
- Location: Elko County, NV (BLM)
- Burned Acres: 146,851
- Containment: 0-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 513 / 61
- Structures Threatened-Single-Mixed Residential/Commercial: 50 / 0
- Evacuations / Sheltered in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 23

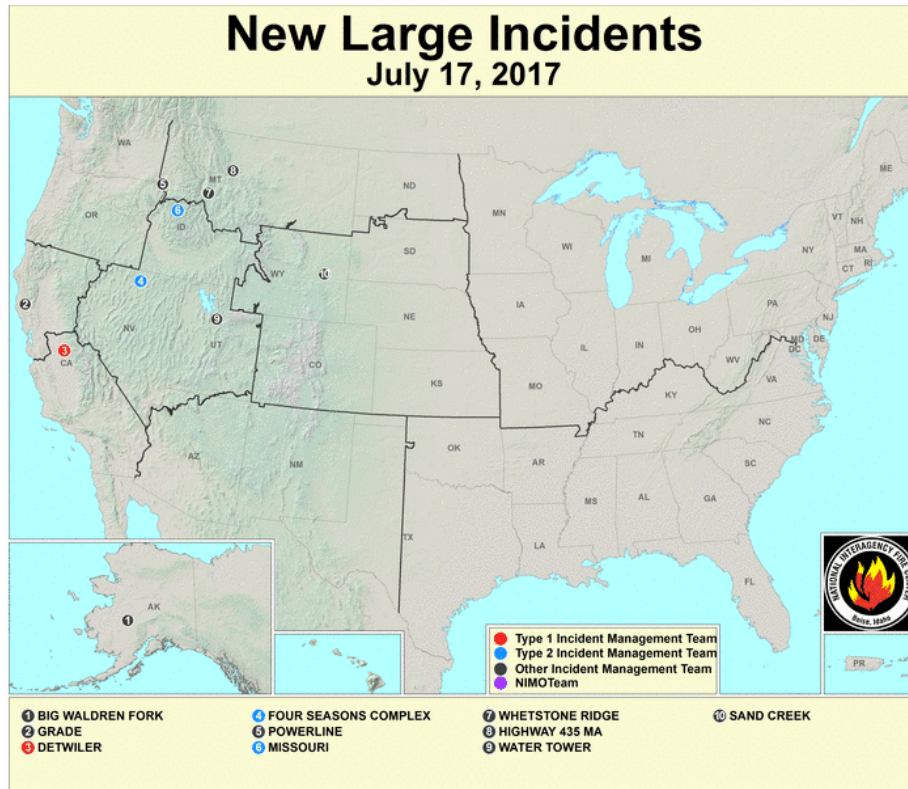
Comments: Fire activity was active with running and flanking through dry and heavy fuel loading. The complex consists of the Cornucopia, Snowstorm, and 4 Mile Ridge fires. Red flag conditions are expected over the next 48 hours.



The IOC is also monitoring the following fires:

Fire Name	Location (County)	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
MM155	Pershing, NV	BLM	3	15,432	20%	July 17
Peekaboo	Moffat, CO	BLM	4	12,839	95%	July 20
Blue Ridge Complex	Garfield, MT	BLM	4	3,034	85%	July 17

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 17, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (202 new fires)
New large fires:	11
Large fires contained:	7
Uncontained large fires: **	38
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	11

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **U.S. Bureau of Reclamation Dam Response Activity**

### **Response Level 1 - Canyon Ferry Valley Dam and Helena Dam, Montana**

*Source: United States Bureau of Reclamation (USBR) - July 14, 2017*

On July 6, an Emergency Action Plan (EAP) Response Level 1 at Canyon Ferry Dam and Helena Dam was declared by the USBR Montana Area Office due to the magnitude 5.8 earthquake that occurred near Lincoln, Montana. Peak Ground Acceleration at Canyon Ferry Dam was estimated not to exceed 0.065g, while .07g was recorded at Helena Dam. Increased monitoring will continue this week; however, no damage or issues have been reported.

A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population. In accordance with dam EAP's, ground accelerations in excess of 0.05g initiate a Response Level 1.

### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation (USBR) - July 14, 2017*

On June 20, an EAP Response Level 1 at Boysen Dam was declared by the USBR Wyoming Area Office due to the reservoir water surface elevation rising into the flood control pool. The reservoir elevation is expected to stabilize and begin to fall due to runoff nearing an end. The Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between 4,725.0 feet and 4,732.2 feet, releases from the dam will be coordinated with the U.S. Army Corps of Engineers. Current reservoir water surface elevation as of July 14 was 4,726.32 feet. Reservoir storage was approximately 767,788 acre-feet. On July 13, reservoir inflow was calculated to be 6,573 cubic feet per second (cfs) and releases were 6,776 cfs.

### **Response Level 1 - Yellowtail Dam, Montana**

*Source: United States Bureau of Reclamation (USBR) - July 14, 2017*

On June 3, an EAP Response Level 1 at Yellowtail Dam was declared by the USBR Montana Area Office due to the reservoir exceeding elevation 3,642.0 feet (2 feet into the exclusive flood control pool). Above 3,642.0 feet, the reservoir starts to inundate Black Canyon campground. As of July 14, the reservoir elevation was 3,646.88 feet. On July 13, calculated average inflow was 12,580 cfs, while the outflow was 9,885 cfs. USBR is coordinating reservoir operations with local emergency management officials, the National Park Service, and the U.S. Army Corps of Engineers. USBR will continue to monitor and make release changes as needed.

## **Flooding Response**

### **Ohio Area Flooding Response**

*Source: U.S. Geological Survey (USGS) - July 14, 2017*

On July 13, two to four inches of rain fell in the immediate Columbus and Newark, Ohio areas. The hardest hit river basins were the Licking and Big Walnut in the Newark and Columbus area; however, a good portion of northwestern Ohio is still seeing high water from rain events from July 12-13.

The current stage at the South Fork Licking River near Buckeye Lake was 881.30 feet, and the forecast crest today is 881.50 feet. At a stage of 881.80 feet, water covers the eastbound lanes of Interstate 70. One river gage along the Blanchard River near Gilboa was repaired on July 12.

Five USGS crews (10 personnel) were measuring high water on July 14. One crew was measuring the South Fork Licking River and Licking River in Newark, Ohio, while another crew concentrated on the Blanchard River. The third crew made measurements in the the Ottawa River basin in northwestern Ohio and repaired the Maumee River gage near Defiance. The fourth crew measured at the Big Walnut and Paint River basins just south of Columbus, Ohio, while the final crew measured sites in the Sandusky and Portage River basins.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Weakly elevated surface temperatures were observed in a clear satellite image over the past observation period. No activity was detected in seismic, infrasound, or lightning data. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction remains in effect over the volcano. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano and will continue to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 16, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant observed in cloudy satellite images over the past observation period. A data and web camera outage for stations near the volcano continues since July 12. Explosive activity at Cleveland can be detected by distal stations in the AVO network, but at a reduced level of sensitivity. No seismicity has been detected during the last observation period on the distal stations.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 16, 2017

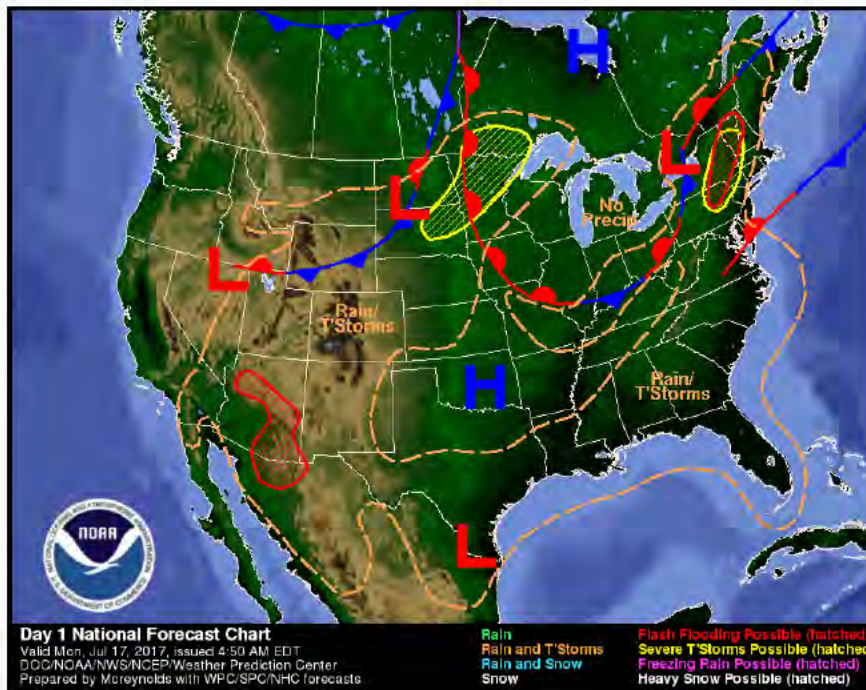
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano. Inflationary tilt continues at the summit.

## Significant National Weather

Source: National Weather Service - July 17, 2017





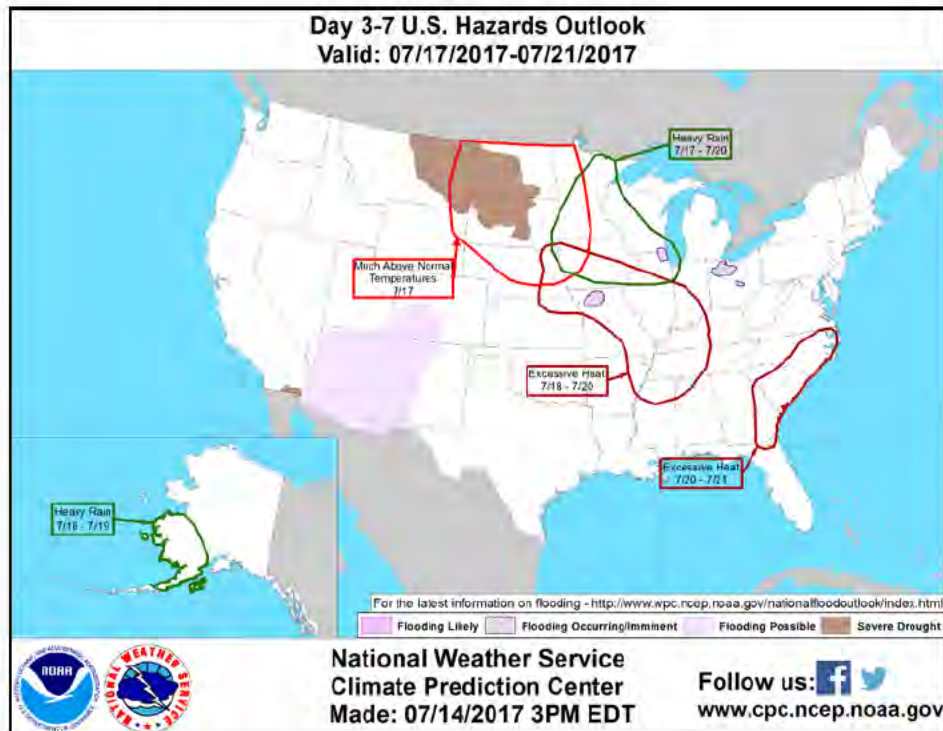
## **Today**

Scattered showers and thunderstorms will develop across portions of the mid-Atlantic, southeast, Gulf Coastal regions, and south Texas. A frontal system will extend from northern New England to an area of low pressure over the eastern Great Lakes and then it will continue down the Ohio Valley swinging north into the upper Midwest. Rain and thunderstorms will develop over New England, the Northeast, and Ohio Valley while isolated severe thunderstorms are expected during the day from Pennsylvania into New York and Vermont. Some heavy rain, which could produce localized area of flooding and flash flooding, will be possible across parts of the Northeast and southern New England. Another frontal system will extend from the Dakotas to the northern Great Basin. Showers and thunderstorms will develop from the upper Midwest across the central and northern Plains to the Rockies. Isolated severe thunderstorms are expected this afternoon and evening from South Dakota into northern Minnesota and from Wyoming into Nebraska. Elsewhere, afternoon and evening showers and thunderstorms are once again expected across the Southwest, Four Corners, and central Rockies. Heavy rain is forecast to develop across portions of Arizona which could produce areas of dangerous flash flooding similar to those that occurred Sunday.

## **Tomorrow**

Showers and thunderstorms will again be scattered across portions of the mid-Atlantic, southeast, Gulf Coastal regions, and southern Texas. Rain and thunderstorms will develop across the Northeast and New England ahead of an area of low pressure pushing through the Northeast. Another frontal system will drag through the upper Midwest and northern Plains while showers and thunderstorms will develop over the Great Lakes, upper Midwest, and northern Plains. There will be isolated to scattered severe thunderstorms possible mainly across the upper Midwest and upper Mississippi Valley area. Heavy rain and flash flooding is possible for parts of northern Iowa, southern Minnesota, and southwest Wisconsin. Elsewhere, scattered afternoon and evening monsoonal related showers and thunderstorms will develop from Mexico north into the Four Corners and central Rockies.

## Weather Hazard Assessment



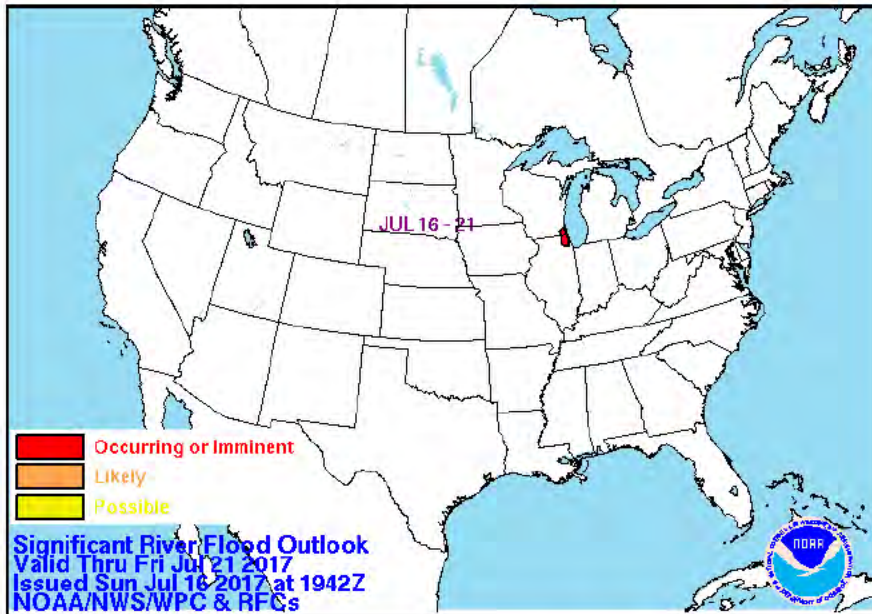
- July 17: Severe Drought is expected across Hawaii, the northern Plains, southeastern California, and southwestern Arizona.
- July 17: Flooding is possible across portions of the southern and central Rockies, the central Great Basin, and the Southwest.
- July 17: Flooding is occurring or imminent across portions of the middle Mississippi Valley, the Great Lakes, and the Ohio Valley.
- July 17: Flooding is possible across portions of the central Rockies, the central Great Basin, and the Southwest.
- July 17: Much above normal temperatures are expected across portions of the central Plains, the middle and upper Mississippi Valley, and the northern Plains.
- July 17-20: Heavy rain is expected across portions of the Great Lakes, the middle and upper Mississippi Valley, and the northern Plains.
- July 18-19: Heavy rain is expected across portions of mainland Alaska.
- July 18-20: Excessive heat is expected across portions of the central and northern Plains, the Tennessee Valley, the Mississippi Valley, the Great Lakes, and the Ohio Valley.
- July 20-21: Excessive heat is expected across portions of the Southeast and the mid-Atlantic.

## Alaska Weather



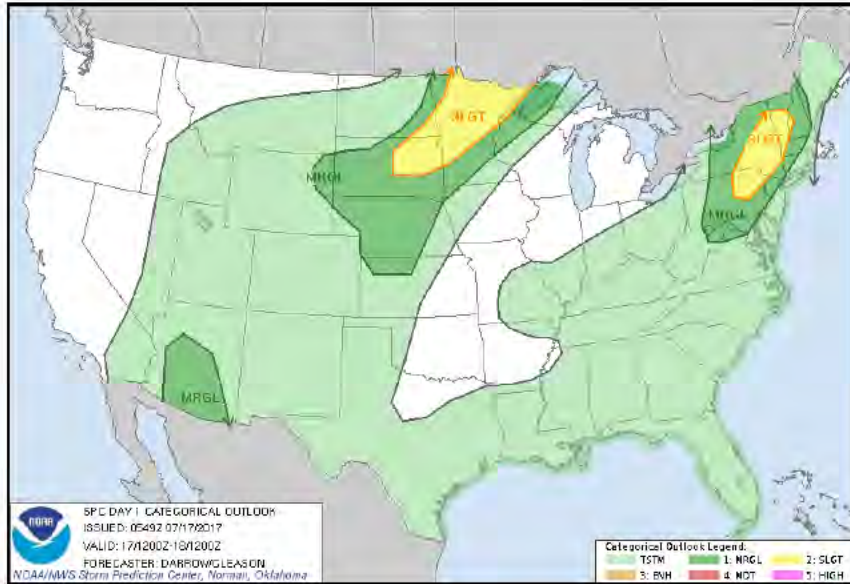
Small Craft Advisories are in effect throughout the Aleutian Islands to the Gulf of Alaska, the Shelikof Strait, Pribilof Islands, Bristol Bay, Norton Sound, St. Matthew Island Waters north to Cape Beaufort, from Point Franklin to Demarcation Point, the Etolin Strait, and Kuskokwim Delta.

## Significant River Flooding



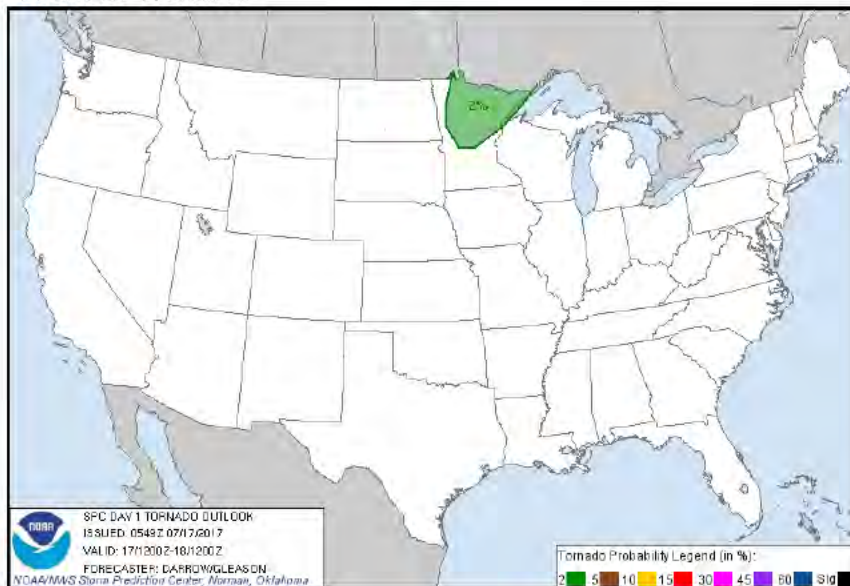
Significant River Flooding is occurring or imminent in southeast Wisconsin and northeast Illinois along Lake Michigan.

## Severe Weather



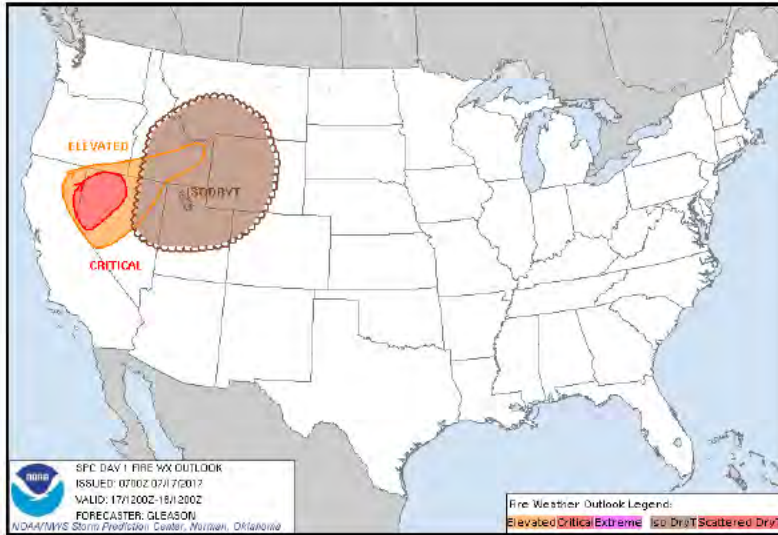
There is a Slight Risk of severe thunderstorms across the northern Plains, the upper Mississippi Valley, and from Pennsylvania to Vermont. There is a Marginal Risk of severe thunderstorms across Arizona, from northern Virginia to New Hampshire, and across the northern High Plains to western Lake Superior.

## Tornado Weather



There is a 2-percent chance of tornado activity today throughout northern Minnesota.

## Fire Weather



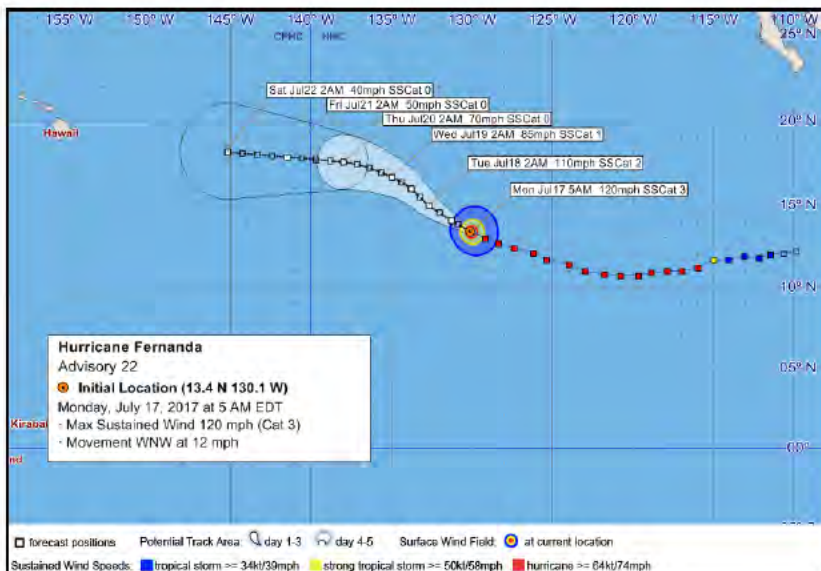
There is Critical Fire Weather across western Nevada and Elevated Fire Weather for Nevada, northern California, and southern Idaho. Isolated Dry Thunderstorms are forecast for portions of the eastern Great Basin and the Rockies.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – July 17, 2017

### Eastern Pacific Ocean

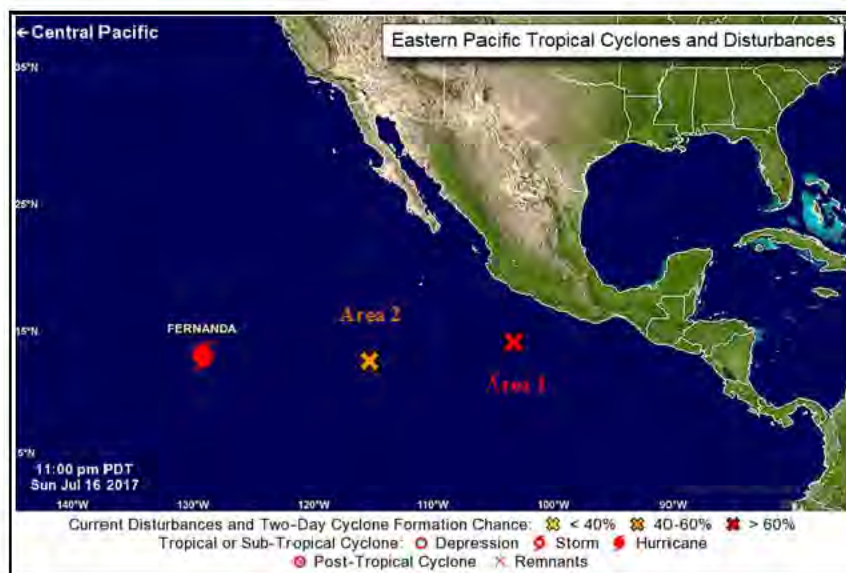
### Hurricane Fernanda



As of 5:00 a.m. EDT, the center of Hurricane Fernanda was located approximately 1,475 miles west-southwest of the southern tip of Baja, California. Fernanda is moving toward the west-northwest at 12 miles per hour (mph). Fernanda will turn to the northwest and decrease forward speed during the next 24 hours. Fernanda is a Category 3 Hurricane with maximum sustained winds near 120 mph, with higher gusts.

Area 1: Showers and thunderstorms associated with an area of low pressure located about 350 miles south of Manzanillo, Mexico, continue to show signs of organization. A small increase in organization of this system could lead to the formation of a tropical depression during the next day or two while it moves west-northwestward at 5 to 10 mph. Chance of tropical formation through the next 48 hours is 70-percent.

Area 2: An area of low pressure centered about 850 miles south-southwest of the southern tip of the Baja Peninsula has become better defined during the past day or so. Although environmental conditions are only marginally conducive, this system has the potential to become a tropical depression during the next day or so before upper-level winds become unfavorable for development. The low is expected to move slowly to the west or west-northwest during the next few days. Chance of tropical formation through the next 48 hours is 50-percent.

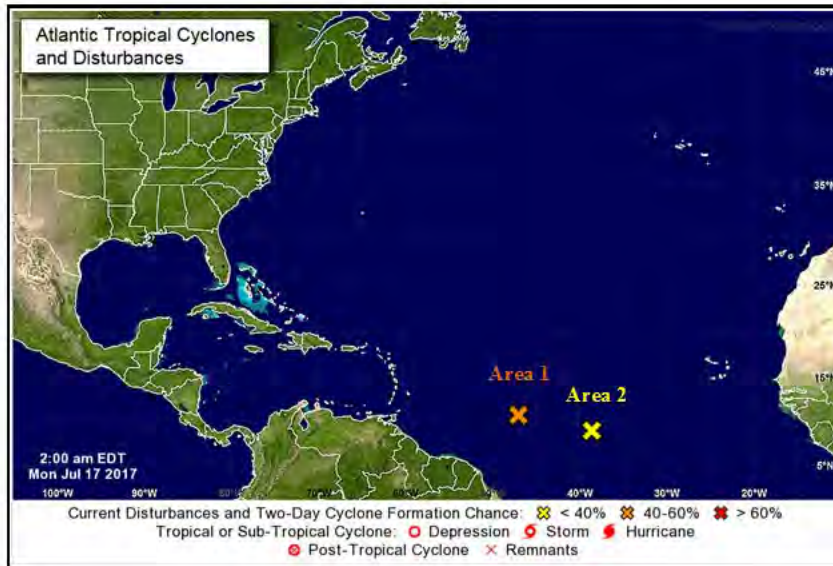


## Atlantic Ocean

Area 1: A small low pressure system located about 800 miles east of the Windward Islands is moving westward at about 15 mph. Associated shower and thunderstorm activity is beginning to show some signs of organization, and an Air Force Reserve reconnaissance aircraft is scheduled to investigate the disturbance this afternoon, if necessary. Chance of tropical formation through the next 48 hours is 40-percent.

Area 2: An area of disturbed weather has developed several hundred miles west-southwest of the Cabo Verde Islands. Some development of this system is possible over the next several days

while it moves slowly toward the west-northwest over the open Atlantic Ocean. Chance of tropical formation through the next 48 hours is 10-percent.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, July 18, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - July 18, 2017](#)*

The **Blue Ridge Complex Fire** in Montana has reached 100-percent containment and will not be summarized in today's report.

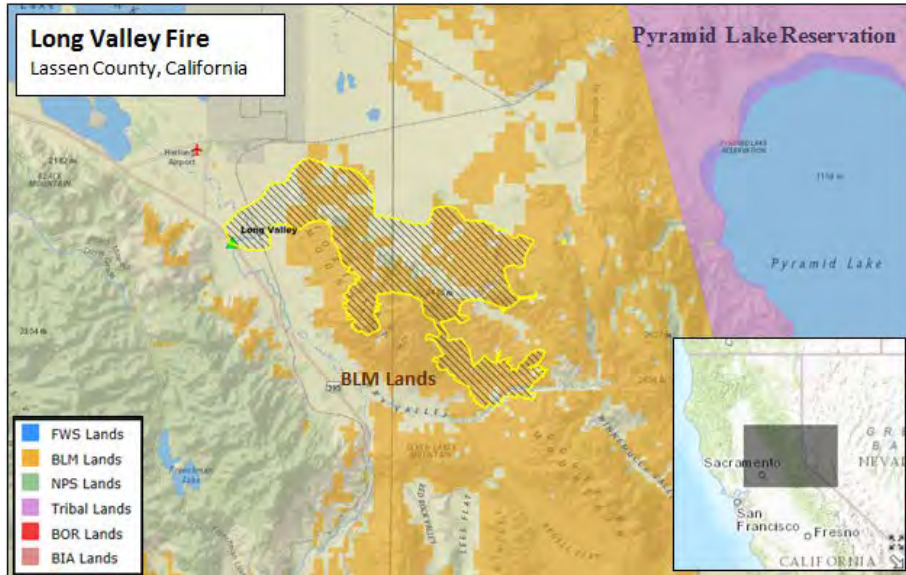
## California

### **Long Valley Fire**

- Start Date: July 11
- Location: Lassen County, CA (BLM)
- Burned Acres: 83,733 (+6,091)
- Containment: 40-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 898 (+25) / 201 (+42)
- Structures Threatened-Single-Mixed Residential/Commercial: 500 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (+1) / 0 (no change)
- Containment Date: July 25



Comments: Fire behavior was described as active with short-range spotting and wind driven runs through dry fuels. An evacuation advisory notice continues in the areas east of the fire, due to the continued threat to residents. The National Weather Service has issued a Red Flag Warning for this area that will remain in effect through today. High winds and low humidity with poor overnight recovery is leading into a critical fire weather period starting today.



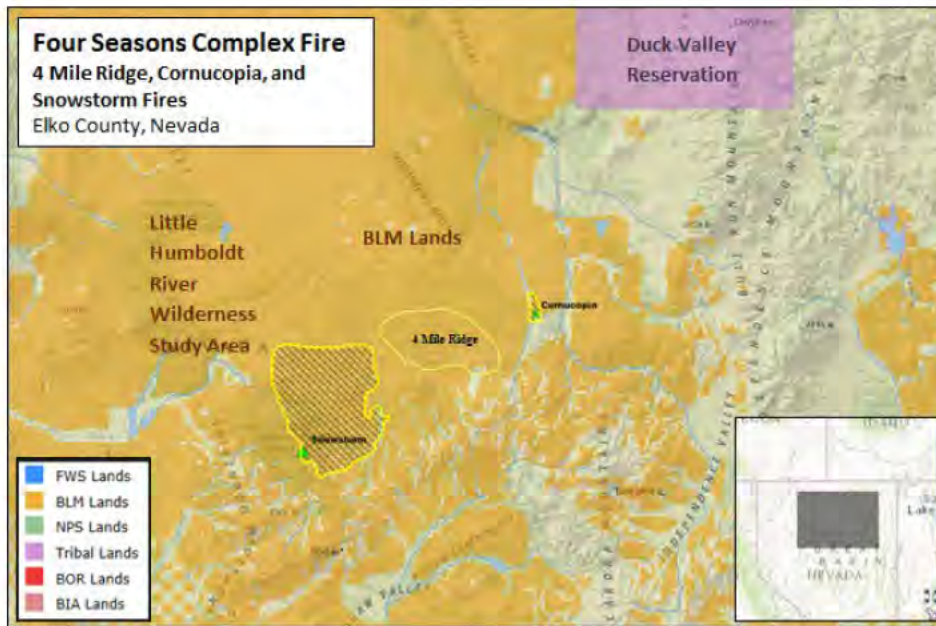
IGEMS Image

## Nevada

### Four Seasons Complex

- Start Date: July 16
- Location: Elko County, NV (BLM)
- Burned Acres: 147,960 (+1,109)
- Containment: 30-percent (+30)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 569 (+56) / 63 (+2)
- Structures Threatened-Single-Mixed Residential/Commercial: 55 (+5) / 0 (no change)
  - Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
  - Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
  - Containment Date: July 24

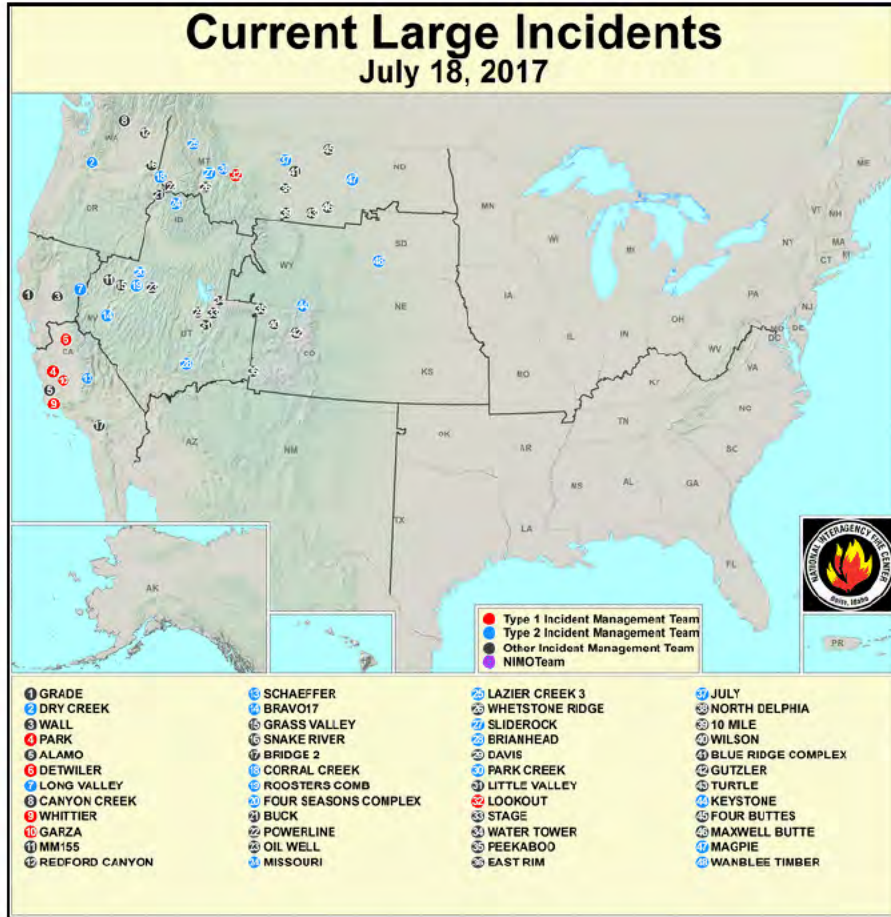
Comments: Fire activity will continue to burn and progress with the aid of windy weather and flanking through dry and heavy fuel loading. Red Flag Warnings are in effect this afternoon and into the evening. The complex consists of the Cornucopia, Snowstorm, and 4 Mile Ridge fires.



The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
MM155	Pershing, NV	BLM	3	22,360	50%	July 19
Maxwell Butte	Custer, MT	BLM	3	1,150	0%	August 4
Turtle	Rosebud, MT	BIA	3	1,849	50%	July 23
Grass Valley	Pershing, NV	BLM	3	5,000	0%	July 20
Wanblee Timber	Jackson, SD	BIA	3	3,500	0%	July 29
Davis	Tooele, UT	BLM	3	12,000	0%	July 19
Peekaboo	Moffat, CO	BLM	4	12,839	95%	July 20

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – July 18, 2017*

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (179 new fires)
New large fires:	11
Large fires contained:	3
Uncontained large fires: **	37
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	5
Type 2 IMTs committed:	11

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images during the past observation period. No activity was detected in seismic, infrasound, or lightning data. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction remains in effect over the volcano. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano and will continue to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant observed in cloudy satellite images during the past observation period. A data and web camera outage for stations near the volcano continues since July 12. Explosive activity at Cleveland can be detected by distal stations in the AVO network, but at a reduced level of sensitivity. No seismicity has been detected during the last observation period on the distal stations.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano. Inflationary tilt continues at the summit.

## Earthquake Activity

Source: U.S. Geological Survey – July 17, 2017

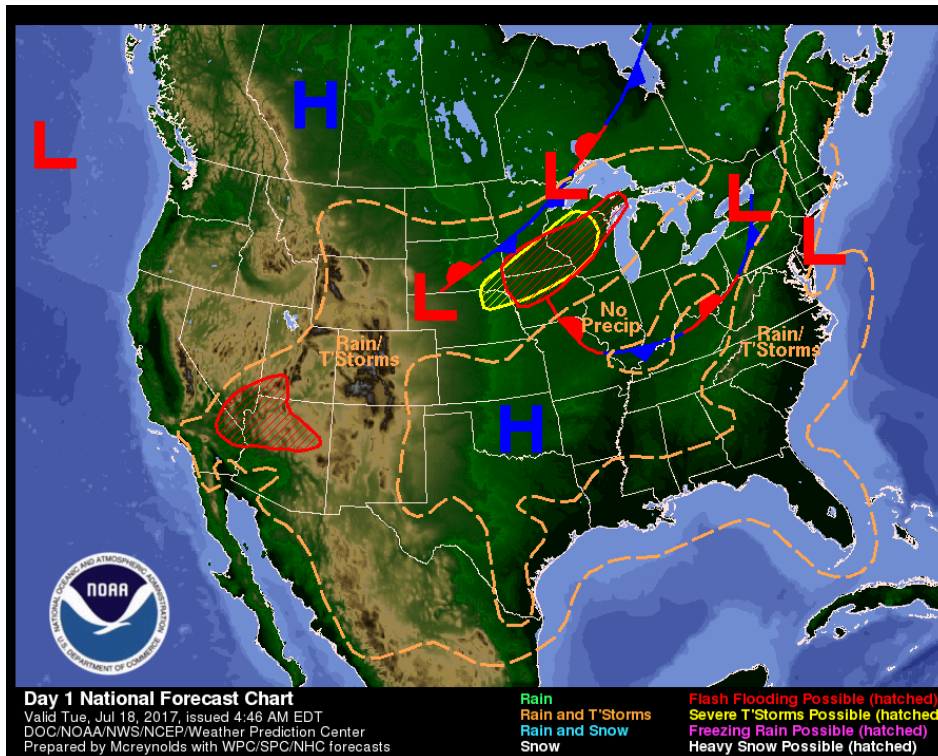
The United States Geological Survey (USGS) reported that a magnitude 6.4 earthquake occurred at 10:05 p.m. EDT on July 17, approximately 13 miles west-northwest of Camaná, Peru at a depth of 27 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this earthquake.

The USGS reported that a magnitude 7.7 earthquake occurred at 7:34 p.m. EDT on July 17, approximately 208 miles west-northwest of Attu, Alaska at a depth of 30 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this earthquake.

The USGS reported that a magnitude 4.0 earthquake occurred at 4:49 p.m. EDT on July 17, approximately 50 miles northwest of Helena, Montana at a depth of 7 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this earthquake.

## Significant National Weather

Source: National Weather Service - July 18, 2017



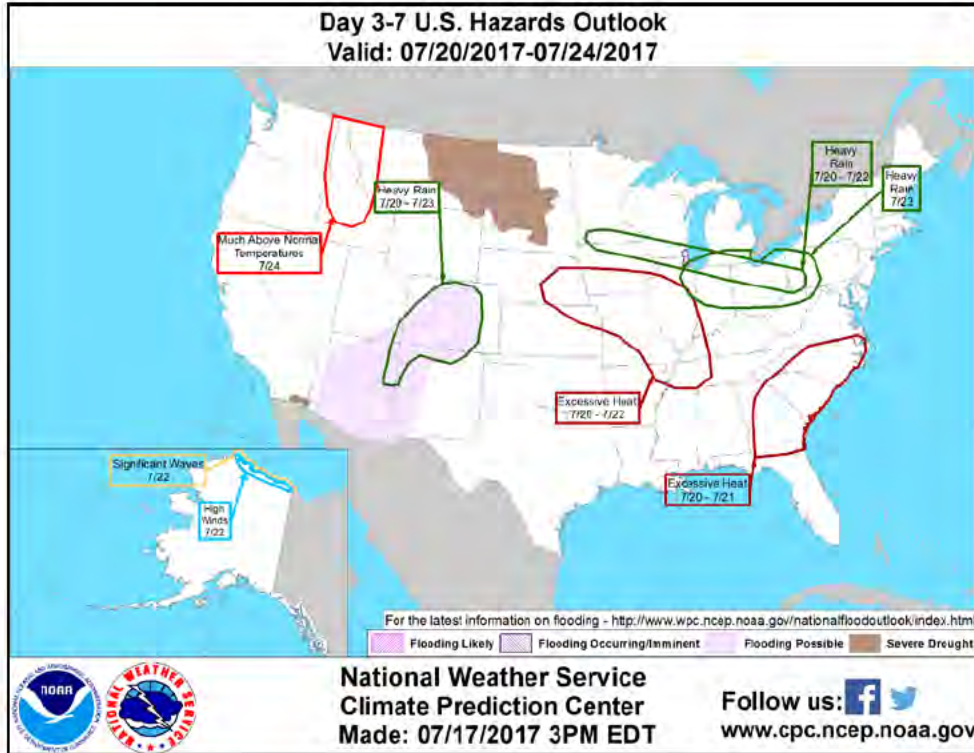
## **Today**

Rain and thunderstorms will be widespread from New England down the East Coast to the Southeast and Gulf Coastal regions. Showers and thunderstorms will be found over portions of the lower Ohio Valley associated with a weak stationary front stretching across the region. Another stationary front will extend from the western Great Lakes to the northern Plains. Rain and thunderstorms will stretch from the northern Great Lakes into the northern and central Plains. Strong to severe thunderstorms are expected to develop this afternoon across the upper Midwest and upper Mississippi Valley with a few instances of locally damaging winds and large hail as the main threats. A few strong to severe thunderstorms are also possible over a portion of the central and northern Plains this afternoon and overnight. Heavy rain which could produce local areas of flooding and flash flooding is forecast for portions of the upper Midwest. Elsewhere, the strong monsoonal flow will continue to pump moisture into the Desert Southwest, the Four Corners, and the Rockies. Afternoon and evening showers and thunderstorms will develop once again across these regions. Heavy rain which could produce local areas of flooding and flash flooding is forecast for portions northern Arizona, southwestern Arizona, southern Nevada, and southern California.

## **Tomorrow**

Showers and thunderstorms will again develop along the mid-Atlantic, the Southeast, and the Gulf coastal regions. A frontal system will extend from the central Great Lakes back into the northern Plains with rain and thunderstorms developing from northern New England, across the Great Lakes, and into the northern Great Plains. There will be a few strong to locally severe thunderstorms possible over portions of upper Midwest, the northern Plains, and most likely across eastern South Dakota, southern Minnesota, and northern Iowa. A band of heavy rain and possible flash flooding is forecast to develop from eastern South Dakota to central Wisconsin. For this afternoon and evening, showers and thunderstorms will again develop from Mexico northward into the Rockies with heavy rain and flash flooding possible from northwestern Arizona to northeastern Utah. Elsewhere, a weak Pacific weather system will approach the Pacific Northwest and produce some light rain showers along the coastal regions.

## Weather Hazard Assessment



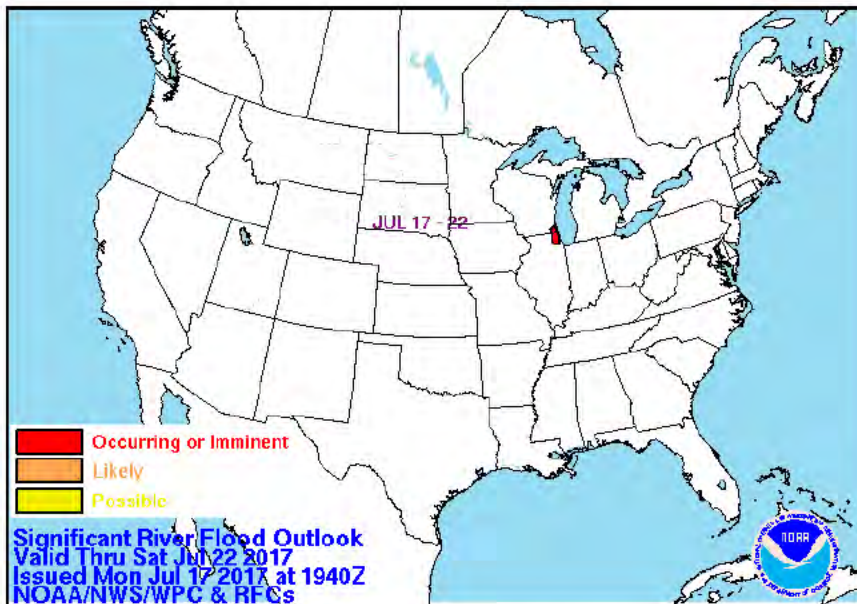
- July 20-21: Excessive heat across portions of the Southeast and the mid-Atlantic.
- July 20-22: Excessive heat across portions of the central Plains, the lower Mississippi Valley, the Tennessee Valley, the middle Mississippi Valley, and the Ohio Valley.
  - July 20-22: Heavy rain across portions of the Great Lakes, the Ohio Valley, and the upper Mississippi Valley.
  - July 20-23: Heavy rain across portions of the central Plains, the central Rockies, the central Great Basin, the southern Rockies, the southern Plains, and the Southwest.
  - July 23: Heavy rain across portions of the Great Lakes, the central Appalachians, and the Ohio Valley.
  - July 24: Much above normal temperatures across portions of the northern Rockies and the northern Great Basin.
- July 22: High winds across coastal portions of northern mainland Alaska.
- July 22: High significant wave heights for coastal portions of northern mainland Alaska.
  - July 25: Flooding possible for parts of the Southwest and the southern Rockies.
  - July 25: Slight risk of much above normal temperatures for portions of the Southeast and the mid-Atlantic.
  - Severe Drought across California, Hawaii, the northern Plains, and the Southwest.

## Alaska Weather



Small Craft Advisories are in effect throughout the Aleutian Islands, the central Gulf of Alaska, the Shelikof Strait, the Pribilof Islands, Bristol Bay, the Barren Islands, Norton Sound, St. Matthew Island Waters, the Etolin Strait, the Kuskokwim Delta, and from Cape Halkett to Demarcation Point.

## Significant River Flooding



Significant River Flooding is occurring or imminent in southeastern Wisconsin and northeastern Illinois along Lake Michigan.

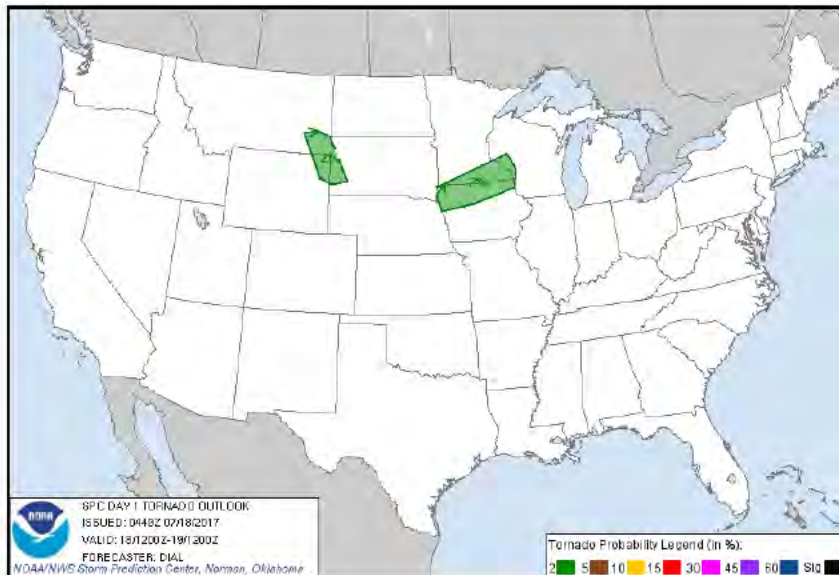


## Severe Weather



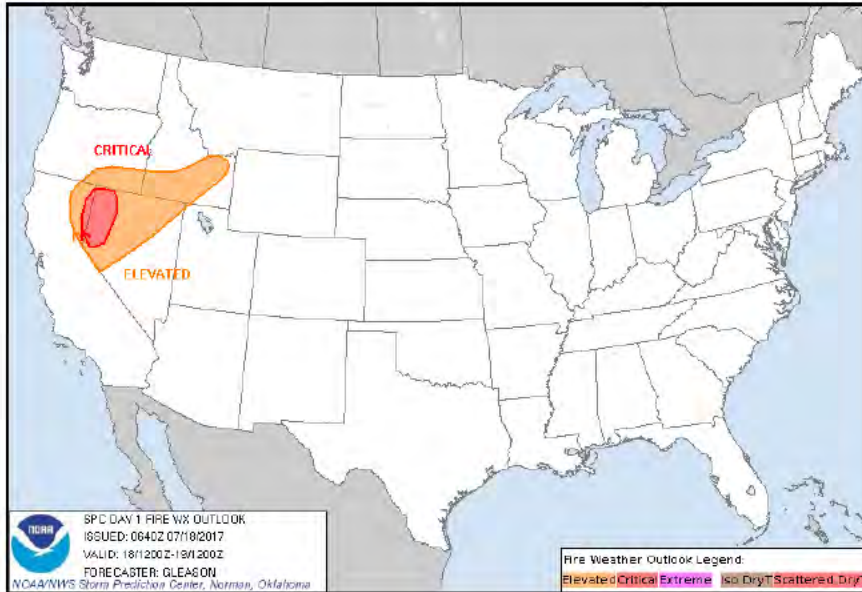
There is a Slight Risk of severe thunderstorms across a portion of the upper Mississippi Valley. There is a Marginal Risk of severe thunderstorms from the northern and central High Plains through the upper Mississippi Valley.

## Tornado Weather



There is a 2-percent chance of tornado activity today for portions of southeastern Montana, western South Dakota, northeastern Wyoming, northern Iowa, southern Minnesota, and western Wisconsin.

## Fire Weather

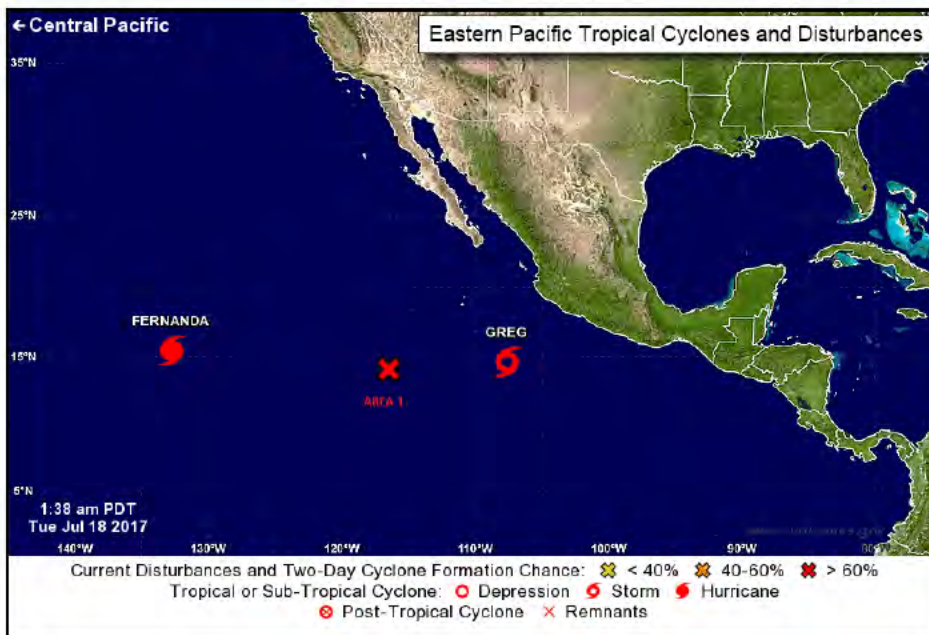


There is Critical Fire Weather forecast today for portions of far northeastern California and western Nevada. Elevated Fire Weather exists for portions of Nevada, northeastern California, southern Oregon, and Idaho.

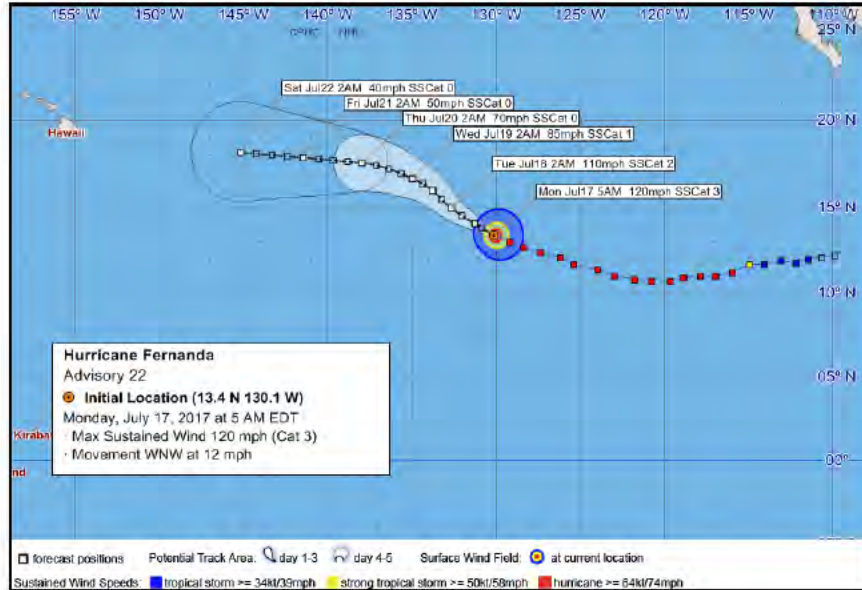
## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – July 18, 2017

## Eastern Pacific Ocean



## Hurricane Fernanda



Hurrevac Image

As of 5:00 a.m. EDT, the center of Hurricane Fernanda was located approximately 1,560 miles west-southwest of the southern tip of Baja, California. Fernanda is moving toward the northwest at 9 miles per hour (mph). Fernanda will continue northwestward and decrease forward speed during the next 48 hours. Fernanda is a Category 2 Hurricane with maximum sustained winds near 105 mph, with higher gusts. There are no coastal watches or warnings in effect for Fernanda.

## Tropical Storm Greg

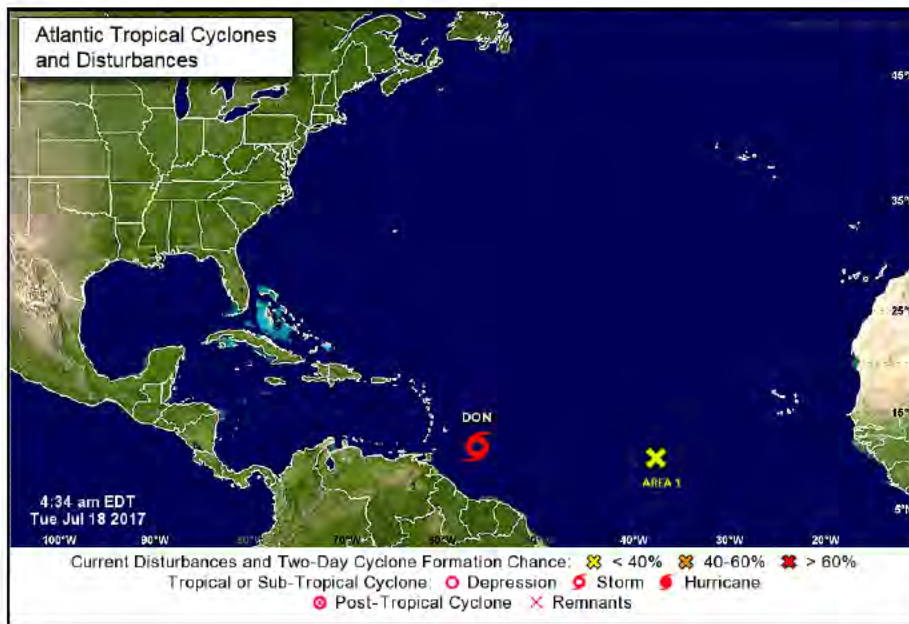


Hurrevac Image

As of 5:00 a.m. EDT, the center of Tropical Storm Greg was located approximately 365 miles south-southwest of Manzanillo, Mexico. Greg is moving toward the west-northwest at 9 mph. A slight increase in forward speed is expected for the next 48 hours, and Greg is expected to move away from southern Mexico. Maximum sustained winds are near 40 mph, with higher gusts. Gradual strengthening is expected in the next 48 hours. There are no coastal watches or warnings in effect.

Area 1: Showers and thunderstorms continue to become better organized in association with a low pressure system located about 750 miles southwest of the southern tip of Baja California, Mexico. The upper-level winds are only marginally conducive for development; however, a small increase in the organization of this system could lead to the formation of a tropical depression at any time. This disturbance is expected to move slowly westward or west-southwestward during the next several days. The chance of tropical formation through the next 48 hours is 70-percent.

## Atlantic Ocean



## Tropical Storm Don

As of 5:00 a.m. EDT, the center of Tropical Storm Don was located approximately 250 miles east-southeast of Barbados. Don is moving toward the west at 18 mph. This general motion, with an increase in forward speed, is expected through Wednesday evening. Don will move across the Windward Islands, and then move westward across the southeastern Caribbean Sea by Wednesday. Maximum sustained winds are near 45 mph, with higher gusts. Some strengthening is possible, though Don will weaken as it moves across the Caribbean Sea. A Tropical Storm Warning is in effect for Grenada, St. Vincent, and the Grenadines. A Tropical Storm Watch is in effect for Barbados, St. Lucia, and Bonaire.



Hurrevac Image

Area 1: A tropical wave, accompanied by a well-defined low pressure system, is located over the central tropical Atlantic several hundred miles west-southwest of the Cabo Verde Islands. Some gradual development of this system is possible through mid-week while it moves toward the west-northwest or northwest at 10 to 15 mph. Environmental conditions are forecast to become less conducive for development. The chance of tropical formation through the next 48 hours is 30-percent.

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
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- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, July 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - July 19, 2017](#)*

The **Maxwell Butte Fire** in Montana has reached 100-percent containment, and a new Incident Status Summary (ICS-209) was not published for the **Davis Fire** in Utah. Therefore, both fires will not be summarized in today's report.

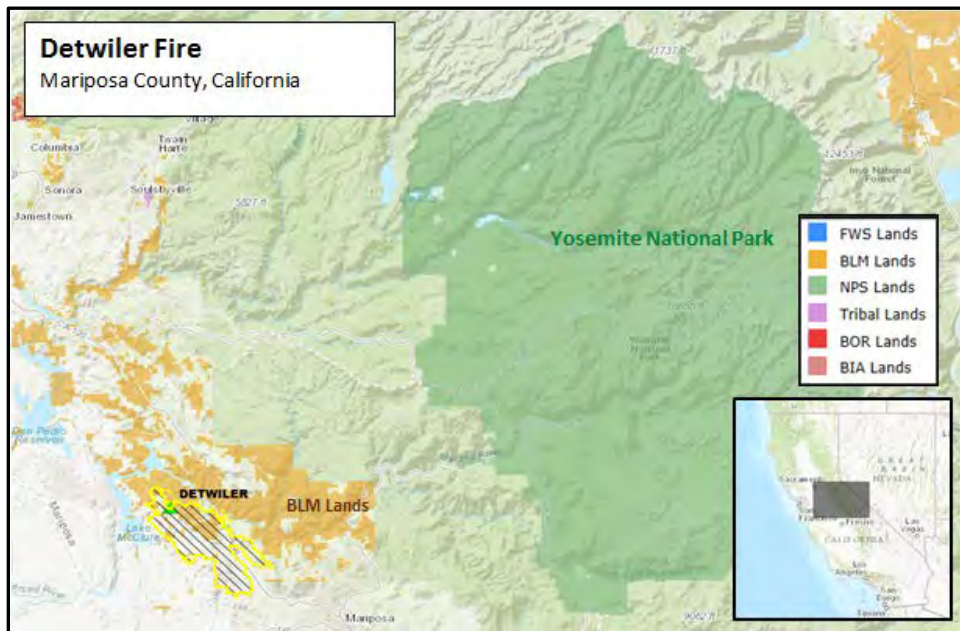
## California

### **Detwiler (Initial)**

- Start Date: July 16
- Location: Mariposa County, CA (CAL Fire)
- Burned Acres: 25,000
- Containment: 5-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,405 / 32
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 / 0
- Evacuations / Sheltered in place: 4,968 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0

- Containment Date: July 25

Comments: Fire behavior was described as active with crowning, uphill runs, and short-range spotting. Fire will continue to spread to the east, southwest, and southeast through the next 24 hours. An Evacuation Order and Evacuation Warning have been issued for the surrounding areas. The communities of Hunters Valley, Bear Valley, Twin Pines, and the city of Mariposa continue to be threatened. The fire is also threatening culturally and historically sensitive areas, as well as state routes that provide access to Yosemite National Park. The National Park Service (NPS) is reporting that the fire is impacting towns near the Yosemite National Park, where many NPS employees reside. The fire is not burning on NPS lands, but is burning on Bureau of Land Management lands.



IGEMS Image

### Long Valley Fire

- Start Date: July 11
- Location: Lassen County, CA (BLM)
- Burned Acres: 83,733 (no change)
- Containment: 57-percent (+17)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 896 (-2) / 201 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 150 (-350) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as moderate during this reporting period. The potential for fire spread remains due to dry fuels, high winds, and low humidity. Smoke from the incident may continue to impact the Pyramid Lake Recreation Area. Field units are monitoring high-voltage transmission lines that service the city of Reno, Nevada, and are working closely with natural gas and water pipeline personnel to ensure pipeline integrity.



IGEMS Image

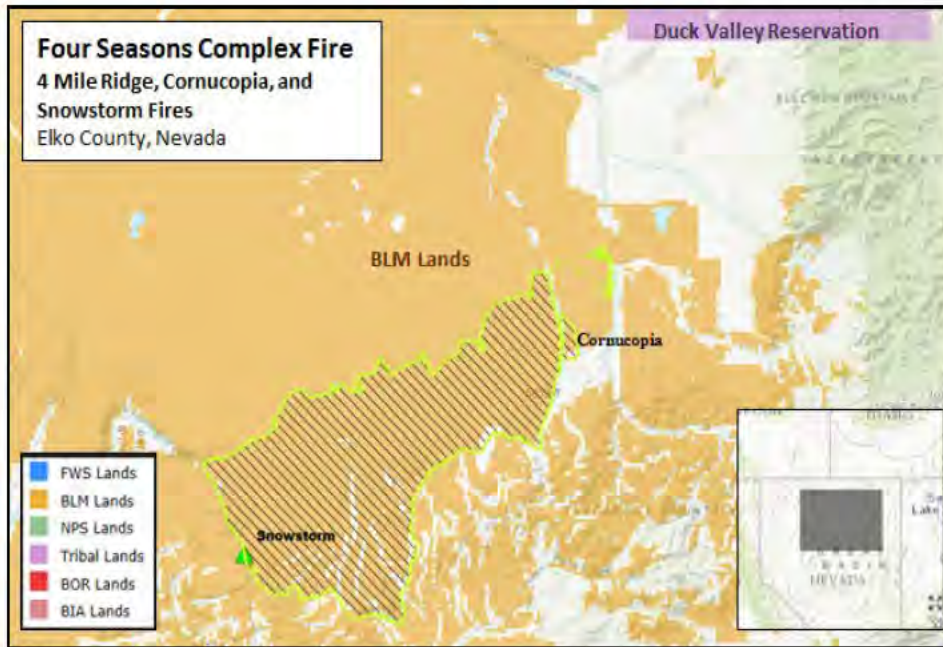
## Nevada

### Four Seasons Complex

- Start Date: July 16
- Location: Elko County, NV (BLM)
- Burned Acres: 155,502 (+7,542)
- Containment: 60-percent (+30)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 606 (+37) / 75 (+12)
- Structures Threatened-Single-Mixed Residential/Commercial: 51 (-4) / 1 (+1)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 24

Comments: Fire activity was described as moderate during this reporting period. There are some active burning areas, but reporting indicates that suppression efforts are holding. Minimal fire growth is anticipated over the next 48 hours. Winds will decrease today, though gusts of up to 20 miles per hour (mph) are expected. The complex consists of the Cornucopia, Snowstorm, and 4 Mile Ridge fires.



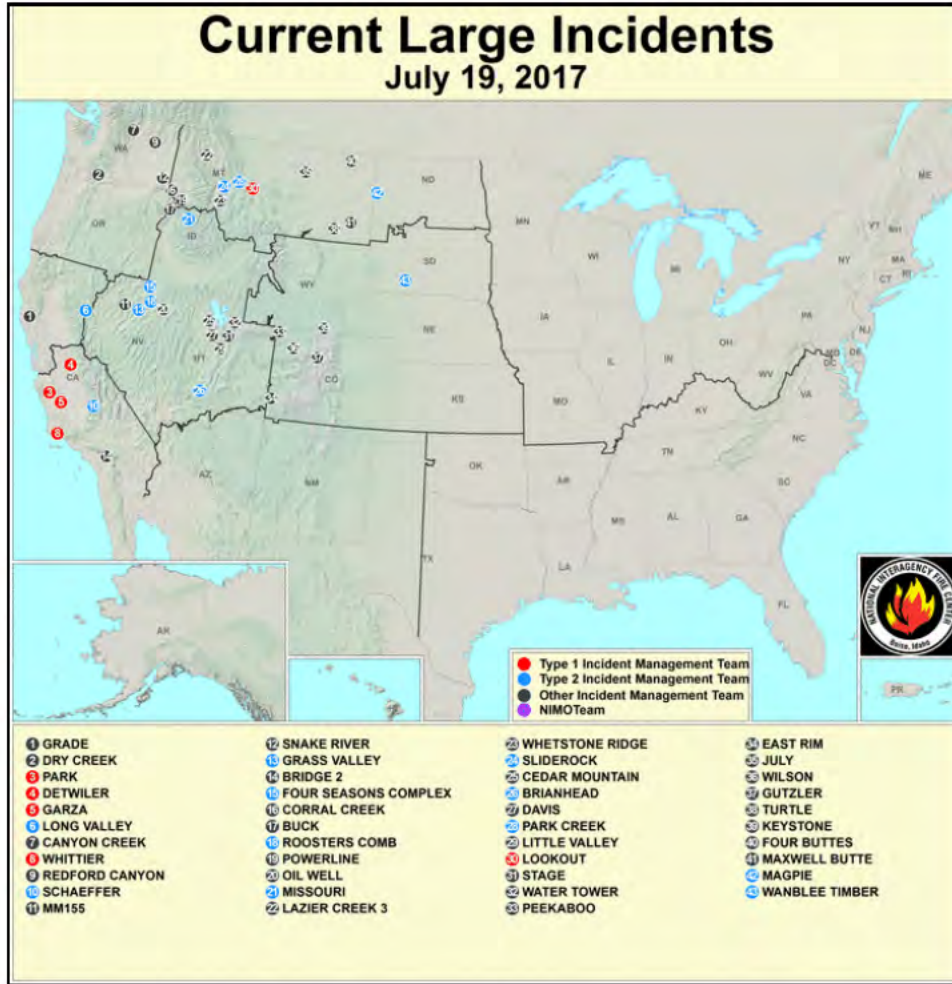


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
MM155	Pershing, NV	BLM	3	22,360	70%	July 19
Turtle	Rosebud, MT	BIA	3	1,849	50%	July 23
Grass Valley	Pershing, NV	BLM	3	11,590	45%	July 21
Wanblee Timber	Jackson, SD	BIA	3	4,000	20%	July 29
Cedar Mountain	Tooele, UT	BLM	3	6,000	0%	July 21
Peekaboo	Moffat, CO	BLM	4	12,839	95%	July 20

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 19, 2017

### National Preparedness Level 4

#### National Fire Activity

Initial attack activity:	Light (113 new fires)
New large fires:	1
Large fires contained:	5
Uncontained large fires: **	33
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	8

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **DOI Bureau Reports**

### **USGS Supporting Flood Response Efforts on Lake Ontario - New York**

*Source: U.S. Geological Survey – July 18, 2017*

Scientists from the U.S. Geological Survey (USGS) are conducting fieldwork along New York's Lake Ontario shoreline to gather critical information to help emergency managers track and respond to historic levels of lake flooding and to collect new scientific data about coastal processes affecting the lake's shoreline. Record rainfall in the region, from this spring and early summer, has resulted in historic water levels on Lake Ontario that are slowly receding, but expected to remain above-normal into the fall.

An interagency agreement between the USGS and Federal Emergency Management Agency (FEMA) Region II provided funding for USGS field crews to install and maintain 14 water-elevation measuring devices along a 150-mile stretch of the Lake Ontario shoreline. Installed equipment include eight rapid-deployment gauges (RDGs), which measure water elevation using radar pointed down at the water's surface, and six storm surge sensors (SSS), which are anchored underwater and determine water elevation based on pressure. Information from these sensors will supplement data from the National Oceanic and Atmospheric Administration's (NOAA) existing lake-elevation network.

The USGS scientists are also flying an unmanned quadcopter drone to take hundreds of photographs of individual shoreline features, which will be used in the development of detailed shoreline mapping.

The USGS has established a webpage devoted to the RDGs and other active USGS streamgages near the lake at: [https://waterdata.usgs.gov/ny/nwis/current/?type=lontario&group\\_key=NONE](https://waterdata.usgs.gov/ny/nwis/current/?type=lontario&group_key=NONE).

The SSS data (and locations) will be uploaded once the data are downloaded from the sensors to the Flood Event Viewer at: <http://stn.wim.usgs.gov/FEV/#LakeOntario2017>.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images of the Bogoslof Volcano during this observation period, and no activity was detected in seismic, infrasound, or lightning data. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction remains in effect over the volcano. The AVO has no ground-based volcano monitoring equipment on the Bogoslof Volcano, but will continue to monitor satellite images, information from the Worldwide Lightning Location Network pertaining to volcanic-cloud lightning, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in cloudy satellite images of the Cleveland Volcano during this observation period. A data and web camera outage for stations near the volcano continues. Explosive activity at the Cleveland Volcano can be detected by distal stations in the AVO network, but at a reduced level of sensitivity. No seismicity has been detected on the distal stations.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano. At the summit, inflationary ground tilt switched to deflationary tilt on Monday afternoon.

## **Significant National Weather**

*Source: National Weather Service - July 19, 2017*

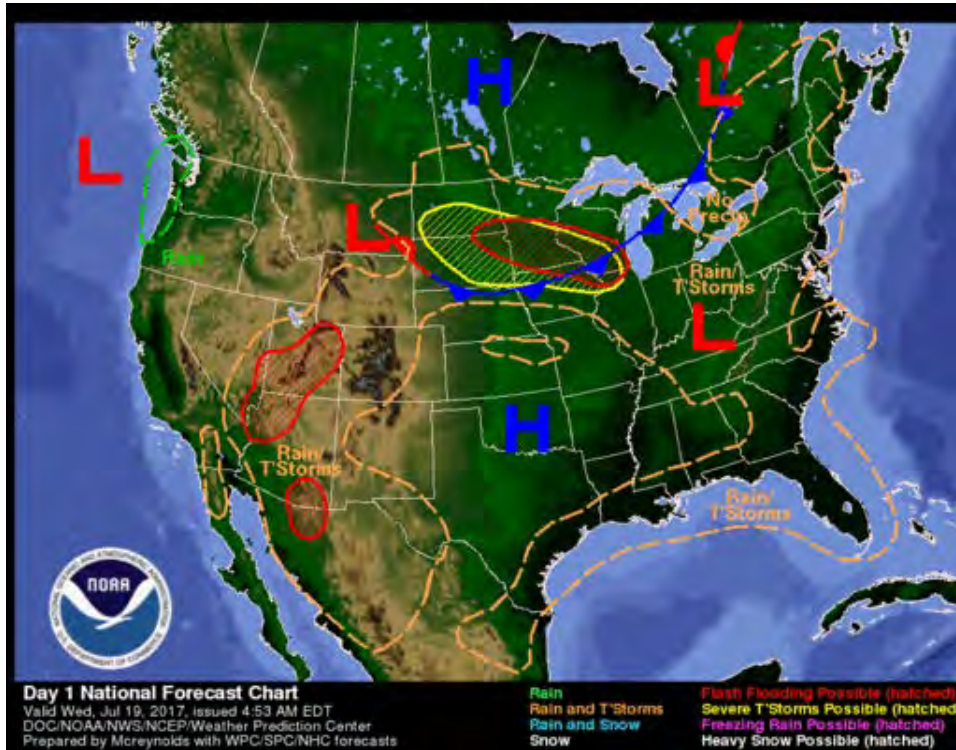
### **Today**

Rain and thunderstorms will develop today over the Northeast, the Appalachians, the Ohio Valley, the Great Lakes, the upper Midwest, and the northern Great Plains. Severe thunderstorms are likely from portions of the northern Plains into the upper Midwest, especially this afternoon into tonight. A widespread damaging wind event is possible. Thunderstorms across the upper Midwest are expected to produce heavy rain which could lead to localized areas of flooding and flash flooding. Heavy rainfall from portions of the Southwest and Four Corners region to the Rockies could lead to rapid onset flooding with some of the most prone areas being slot canyons, burn scars, normally dry washes, and low water crossings. Rock and mud slides, as well as water flowing across roadways, will be possible which could locally impact travel. Much of these areas are currently under a Flash Flood Watch or Warning.

### **Tomorrow**

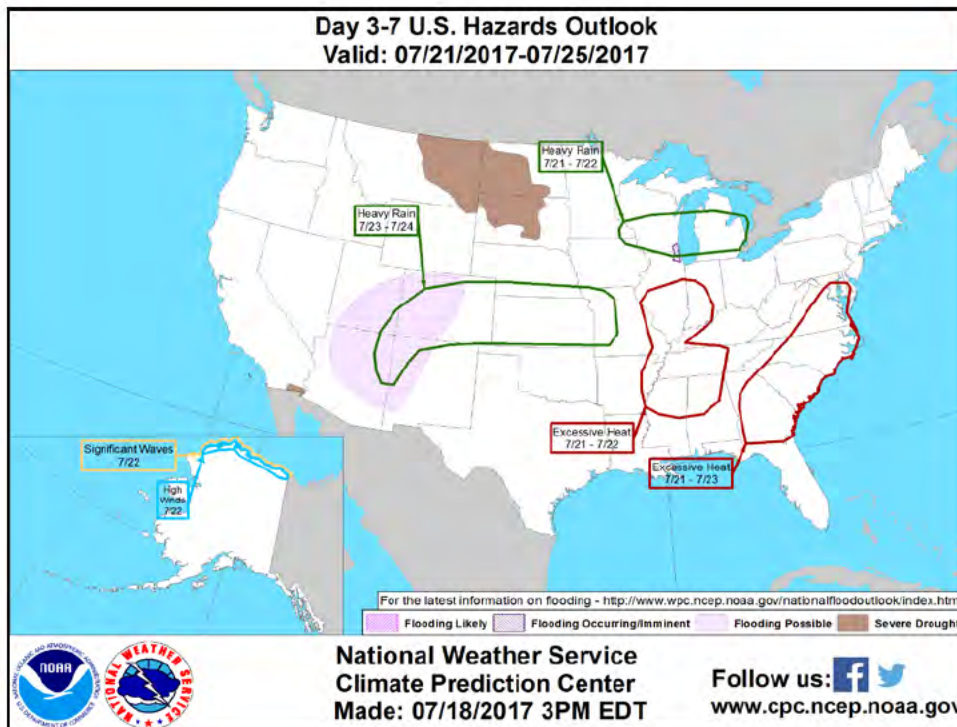
Rain and thunderstorms will develop tomorrow from the Northeast to the Great Lakes, the Ohio Valley, and the northern Plains. Strong to locally severe thunderstorms will be possible across parts of the northern High Plains into the middle Missouri Valley area. Strong to severe

thunderstorms are also expected to spread across the lower Great Lakes region. Heavy rain and flash flooding are forecast for portions of eastern South Dakota, northwestern Iowa, and southwestern Minnesota. Elsewhere, light rain showers are likely for western Washington and portions of Vancouver Island. Scattered showers and thunderstorms will also develop over the southern Canadian Rockies.



## Weather Hazard Assessment

- July 19: Severe drought across California, Hawaii, the northern Plains, and the Southwest.
- July 21-22: Heavy rain across portions of the Great Lakes and the upper Mississippi Valley.
- July 21-22: Excessive heat across portions of the lower Mississippi Valley, the Tennessee Valley, the middle Mississippi Valley, the Great Lakes, and the Ohio Valley.
- July 21-23: Excessive heat across portions of the Southeast and the mid-Atlantic.
- July 22: High winds across coastal portions of northern mainland Alaska.
- July 22: High significant wave heights for coastal portions of northern mainland Alaska.
- July 23-24: Heavy rain across portions of the central Plains, the central Rockies, the central Great Basin, the southern Rockies, the middle Mississippi Valley, and the Southwest.
- July 26-27: Moderate risk of much above-normal temperatures for portions of the northern Plains and the northern Rockies.
- July 26-27: Heavy rain across portions of the Southeast and the mid-Atlantic.
- July 26-30: Slight risk of much above-normal temperatures for portions of the western half of the U.S.

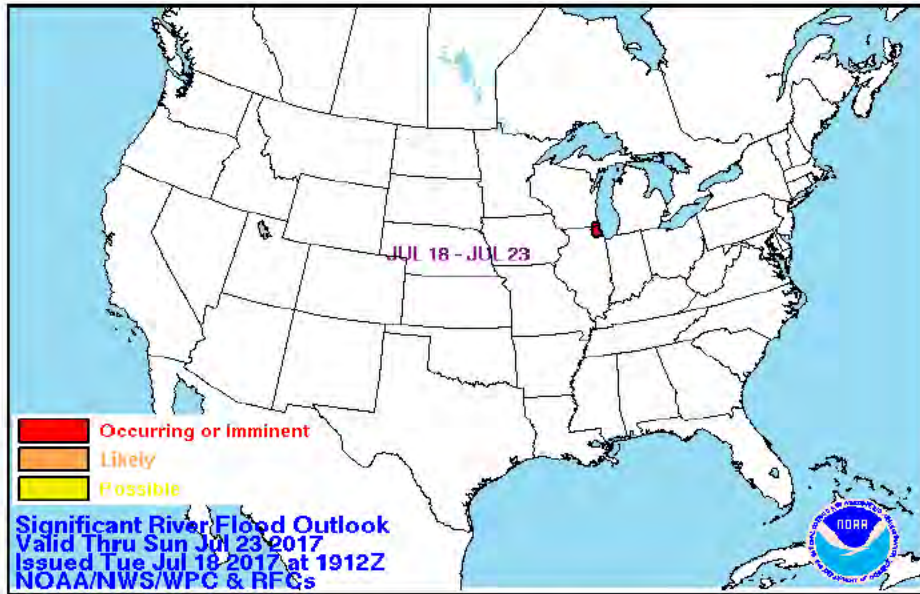


### Alaska Weather



Small Craft Advisories are in effect throughout portions of the Aleutian Islands, the central Gulf of Alaska, the Pribilof Islands, the Barren Islands, the Cook Inlet, the Norton Sound, St. Matthew Island, the Etolin Strait, the Kuskokwim Delta, and from Flaxman Island to Demarcation Point.

## Significant River Flooding



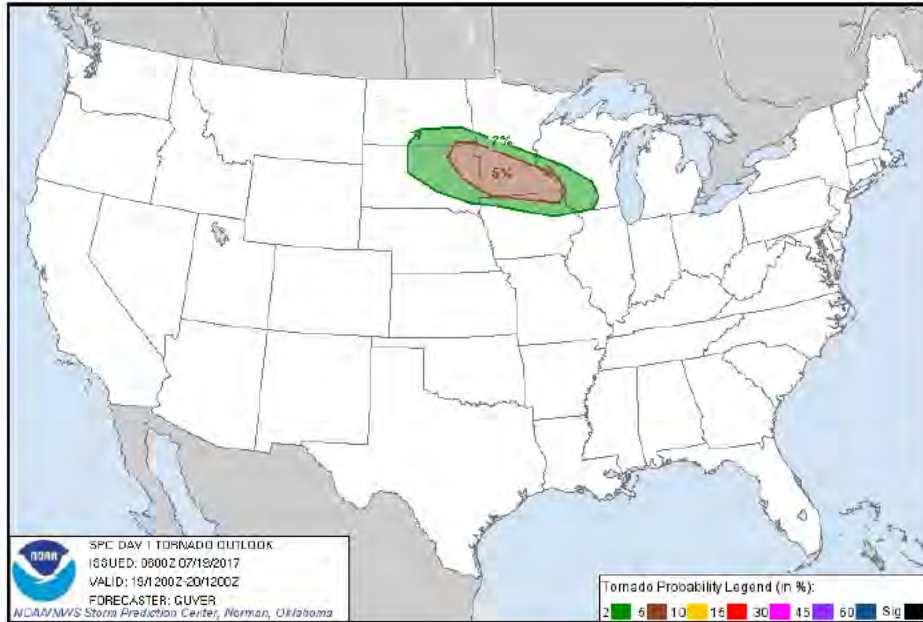
Significant River Flooding is occurring or imminent in southeastern Wisconsin and northeastern Illinois.

## Severe Weather



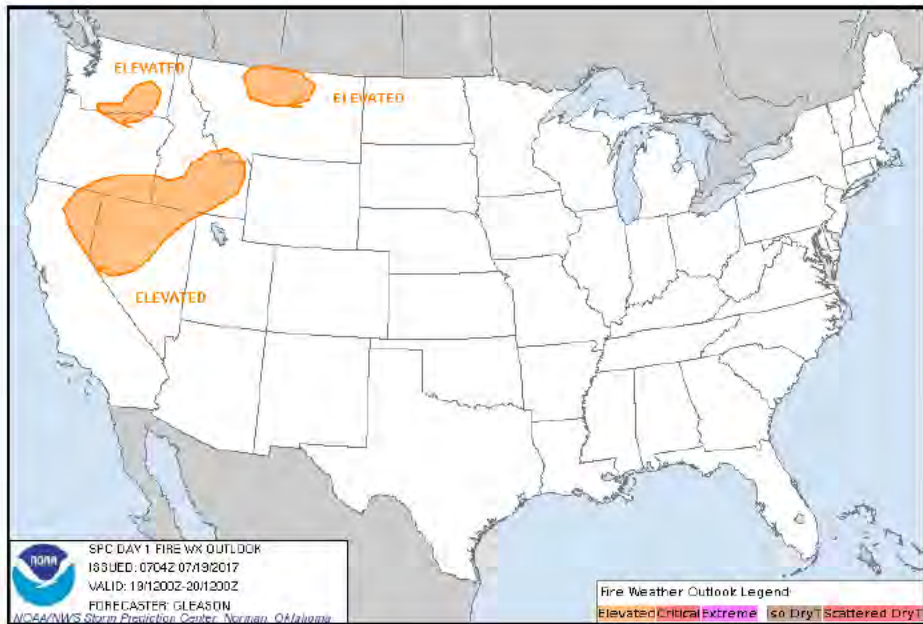
There is Slight to Enhanced Risk of severe thunderstorm activity today across parts of the northern Plains and the upper Midwest. There is a Marginal Risk of severe thunderstorms from the north-central Plains to the upper Midwest and the Great lakes. A Marginal Risk of severe thunderstorms also exists across portions of southern Arizona.

## Tornado Weather



There is a 5-percent chance of tornado activity today for portions of the northern Plains and the upper Midwest. There is a 2-percent chance of tornado activity surrounding the 5-percent area from south-central North Dakota into southern Wisconsin and northern Iowa.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather exists for portions of northern and western Nevada, northeastern California, northern



and southeastern Oregon, Washington, Idaho, north-central Montana, and southwestern Montana.

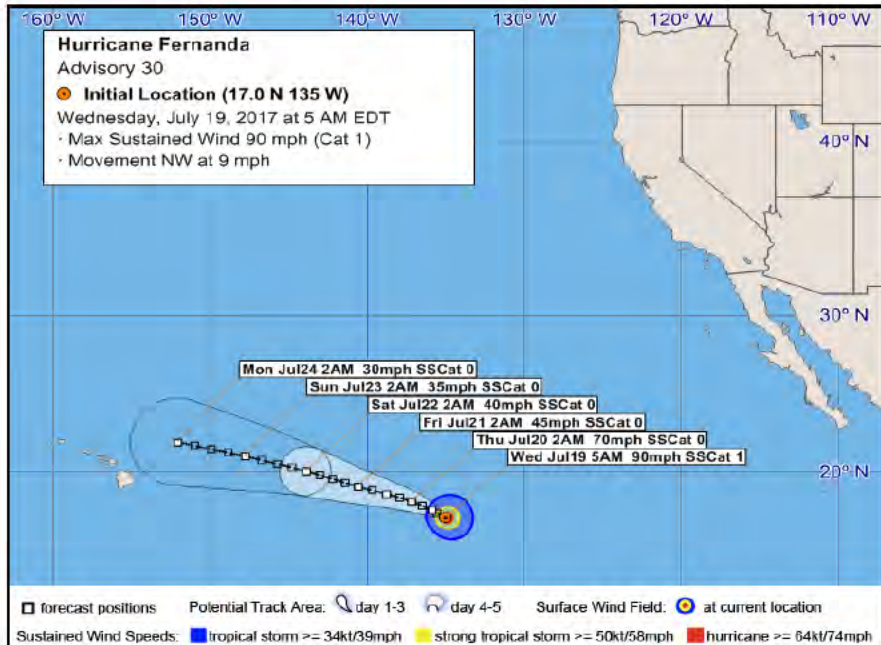
**Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – July 19, 2017

**Eastern Pacific Ocean**



**Hurricane Fernanda**



HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Fernanda was located approximately 1,330 miles east of Hilo, Hawaii and moving toward the northwest at 9 mph. The hurricane is expected to turn toward the west-northwest later today at about the same rate of speed, and this general motion should continue through Thursday. Maximum sustained winds have decreased to near 90 mph, with higher gusts, and continued weakening is forecast for the next 48 hours. There are no coastal watches or warnings in effect at this time.

### Tropical Storm Greg

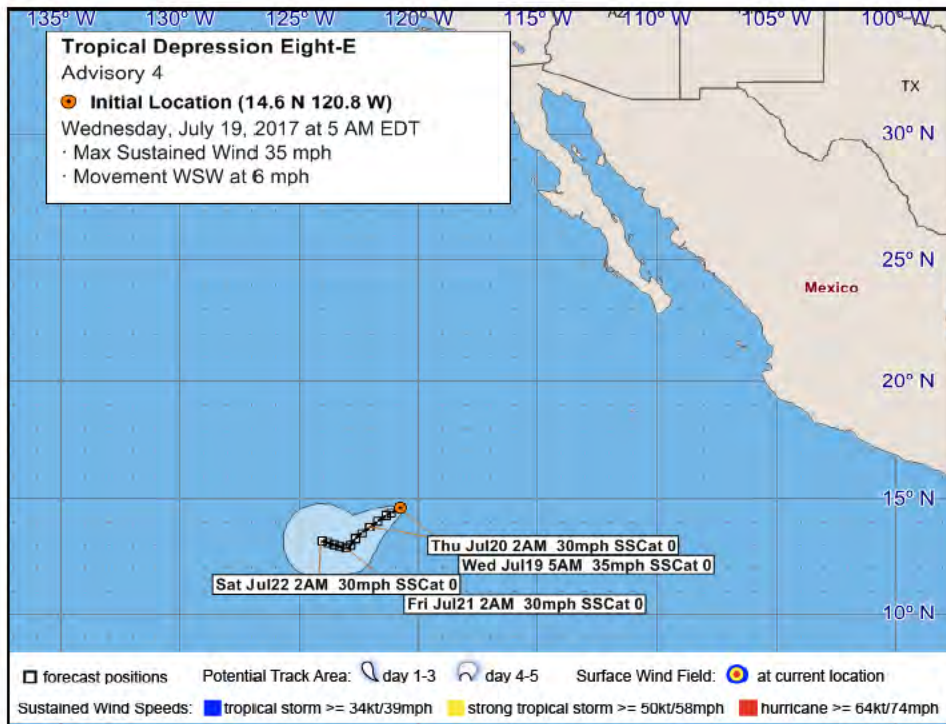


HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Greg was located approximately 550 miles southwest of Manzanillo, Mexico and moving toward the west at 10 mph. A turn toward the west-northwest, with an increase in forward speed, is expected by Thursday. Maximum sustained winds are near 50 mph, with higher gusts, and gradual strengthening is expected during the next 48 hours. There are no coastal watches or warnings in effect.

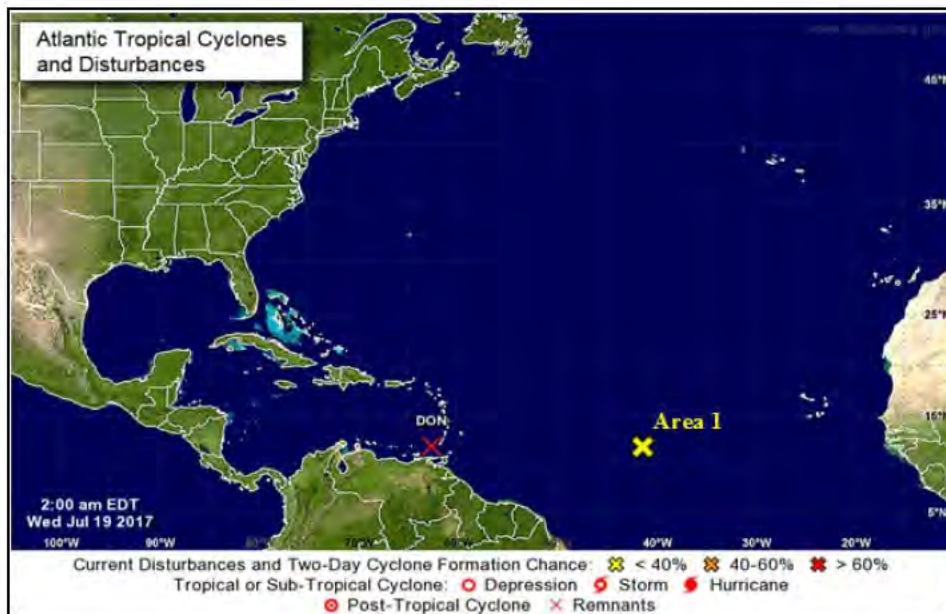
### Tropical Depression Eight-E

As of 5:00 a.m. EDT, Tropical Depression Eight-E was located approximately 915 miles to the southwest of the southern tip of Baja California, Mexico and moving toward the west-southwest at 6 mph. A turn toward the southwest, at a similar forward speed, is expected on Thursday. Maximum sustained winds are near 35 mph, with higher gusts, and little change in strength is expected during the next 48 hours. There are no coastal watches or warnings in effect.



HURREVAC Image

## Atlantic Ocean



## Remnants of Don

Tropical Storm Don degenerated into an open wave over the southeastern Caribbean Sea last night. As of 11:00 p.m. EDT on July 18, the remnants of Don were located approximately 55 miles west-southwest of Grenada and moving toward the west at 25 mph. This general motion is

expected to continue over the next 48 hours. Maximum sustained winds are near 40 mph, with higher gusts. The Tropical Storm Warning for Grenada, St. Vincent, and the Grenadines was canceled, and there are no additional watches or warnings in effect at this time.



HURREVAC Image

**Area 1:** A low pressure system, located more than 1,100 miles west-southwest of the Cabo Verde Islands, is producing a large area of clouds and showers. Some slow development is possible during the next day or two while this system moves toward the west-northwest or northwest at 10 to 15 mph. Environmental conditions are forecast to become unfavorable for further development. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, July 20, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - July 20, 2017](#)*

### California

#### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 48,000 (+23,000)
- Containment: 7-percent (+2)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 3,175 (+1,770) / 36 (+4)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: August 5

Comments: Fire behavior was described as active with uphill and wind-driven runs and short-range spotting, fueled by tall grass and chaparral. The fire will continue to spread to the east,

southwest, and southeast through the next 24 hours. An Evacuation Order and Evacuation Warning has been issued for the surrounding areas. The City of Mariposa and the communities of Hunters Valley, Bear Valley, Twin Pines, Coulterville, Dogtown, Catheys Valley, and the Mount Bullion Conservation Camp are currently impacted by the fire. The fire is burning in a Severe Tree Mortality Area. State Routes 140 and 49 are currently impacted by the fire and impeding access to Yosemite National Park. High power transmission lines, which supply power to Yosemite National Park, are also impacted by the fire. The National Park Service (NPS) is reporting that the fire is impacting towns near the Yosemite National Park, where many NPS employees reside. The fire is burning on Bureau of Land Management lands.



IGEMS Image

### Long Valley Fire

- Start Date: July 11
- Location: Lassen County, CA (BLM)
- Burned Acres: 83,733 (no change)
- Containment: 71-percent (+14)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 676 (-220) / 136 (-65)
- Structures Threatened-Single-Mixed Residential/Commercial: 75 (-75) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: July 25

Comments: Fire behavior was described as minimal during this reporting period. Resources continue to patrol the perimeter to assess for any new damage to infrastructure, private property,

cultural resources, and habitat. Sage-grouse primary habitat management area burned is estimated to be 14,613 acres, and general habitat management area burned is estimated to be 17,014 acres. Field units continue to monitor high-voltage transmission lines servicing the City of Reno, Nevada, and work closely with natural gas and water pipeline personnel to ensure pipeline integrity.



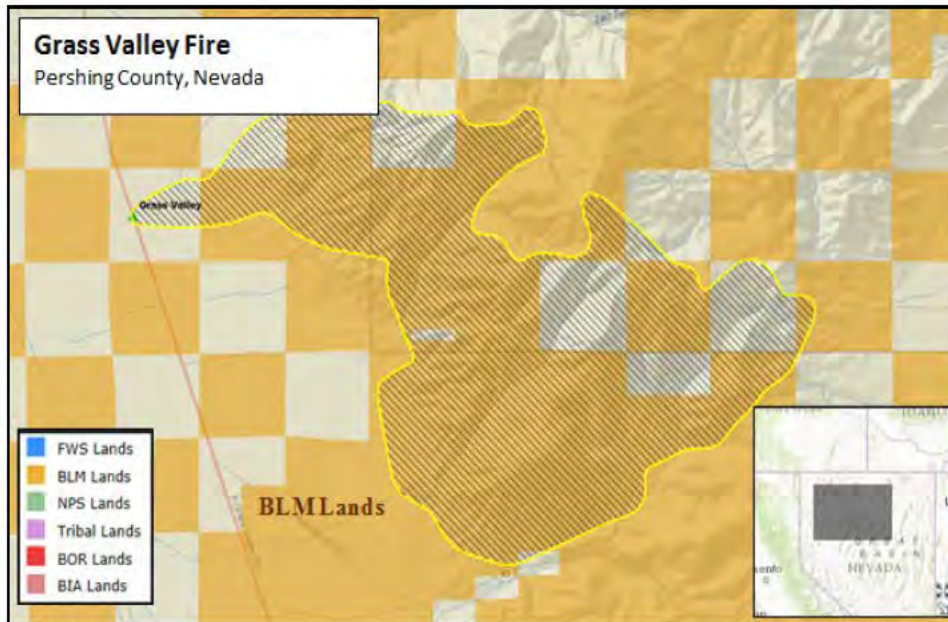
IGEMS Image

## Nevada

### **Grass Valley Fire**

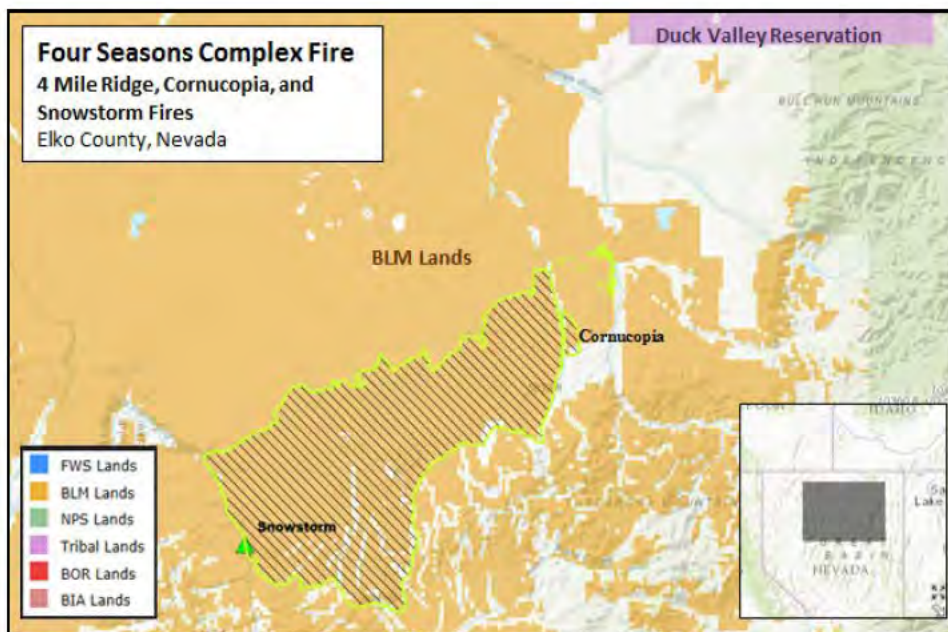
- Start Date: July 17
- Location: Pershing County, NV (BLM)
- Burned Acres: 11,590 (no change)
- Containment: 50-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 199 (+4) / 41 (+3)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 21

Comments: Minimal fire activity was observed during this reporting period, and no additional perimeter spread is expected. The current suppression resources are sufficient at this time.



IGEMS Image

### Four Seasons Complex



IGEMS Image

- Start Date: July 16
- Location: Elko County, NV (BLM)
- Burned Acres: 155,502 (no change)
- Containment: 75-percent (+15)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 537 (-69) / 54 (-21)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-51) / 0 (-1)



- Evacuations / Sheltered in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 24

Comments: Fire progression has been stopped, and mop-up operations continue. There has been no damage to property, critical infrastructure, or key resources reported, and no fire growth is anticipated with the current weather conditions. The complex consists of the Cornucopia, Snowstorm, and 4 Mile Ridge fires. A transition to a local unit is expected within 72 hours.

## **South Dakota**

### **Wanblee Timber Fire**



IGEMS Image

- Start Date: July 16
- Location: Jackson County, SD (BIA)
- Burned Acres: 5,305 (+1,305)
- Containment: 78-percent (+58)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 173 (+15) / 27 (-3)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Sheltered in place: 20 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as moderate during this reporting period, with isolated interior torching as the fire continues to clean-up interior islands of fuel. Rocky, steep terrain and high temperatures are hampering fire suppression efforts. The Wanblee and Georgetown communities, as well as cultural sites are threatened by the fire. The fire is scheduled to transition back to a Type 3 IMT today.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
MM155	Pershing, NV	BLM	3	22,360	90%	July 19
Turtle	Rosebud, MT	BIA	3	1,849	75%	July 23
Cottonwood-Rosebud	Rosebud, MT	BLM	3	1,000	0%	August 2
Cedar Mountain	Tooele, UT	BLM	3	13,788	5%	July 21
Onaqui Mountain Complex	Tooele, UT	BLM	3	37,000	44%	July 22
Peekaboo	Moffat, CO	BLM	4	12,839	95%	July 20

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 20, 2017*

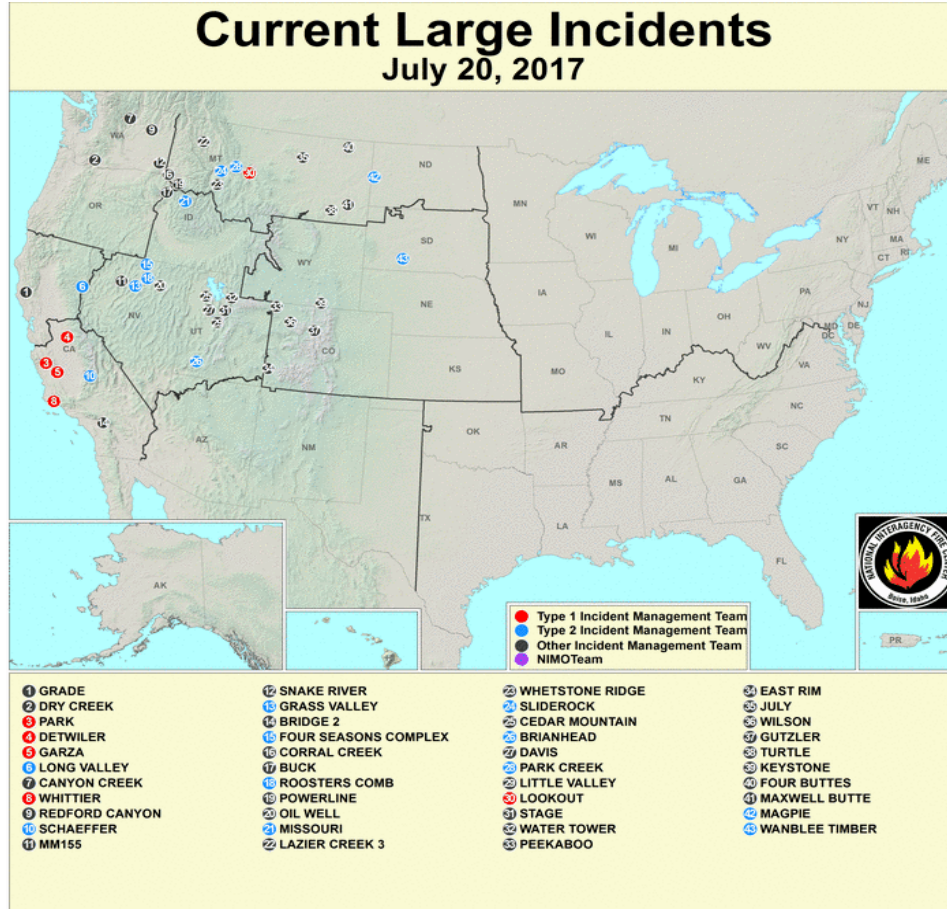
**National Preparedness Level 4**

**National Fire Activity**

Initial attack activity:	Light (155 new fires)
New large fires:	13
Large fires contained:	4
Uncontained large fires: **	34
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	7

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Nothing significant was observed in mostly cloudy satellite images of the Bogoslof Volcano during this observation period, and no activity was detected in seismic, infrasound, or lightning data. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Seismic and webcam data have been restored at the Cleveland Volcano, and no seismicity and infrasound has been detected during this observation period. Elevated surface temperatures at the summit were observed in satellite images, and a new feature at the bottom of the summit crater has appeared within the past week. The feature is likely a new lava dome and is approximately 25 meters in diameter.

**Kilauea Volcano, HI**

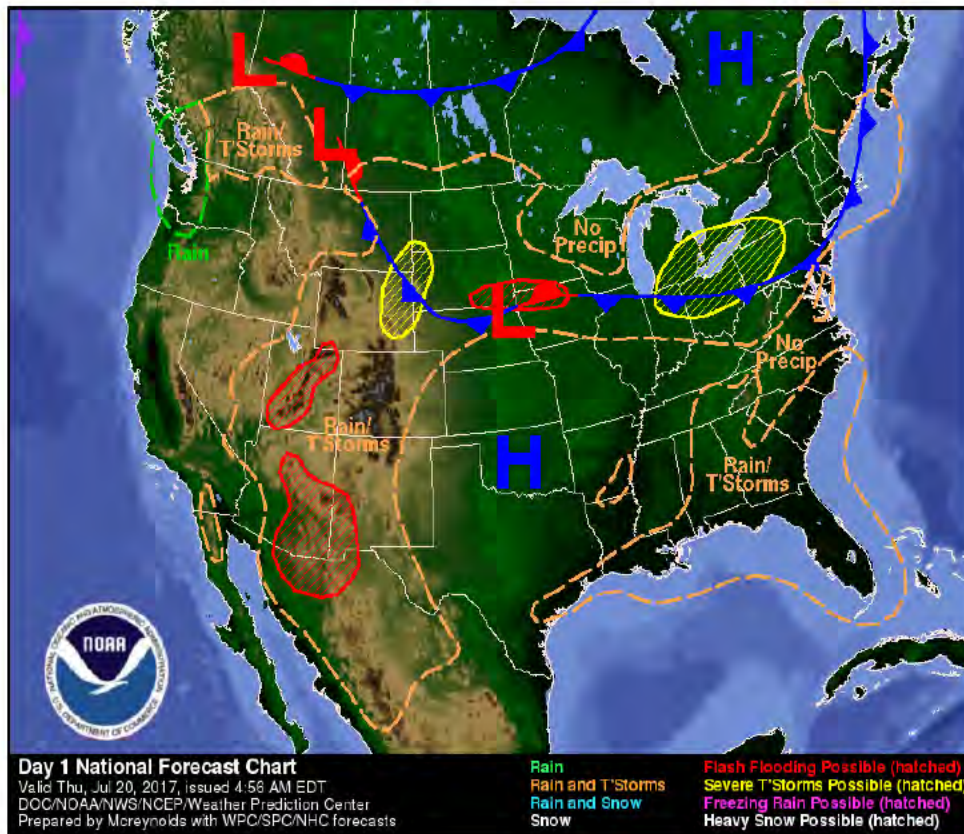
*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 19, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

**Significant National Weather**

*Source: National Weather Service - July 20, 2017*



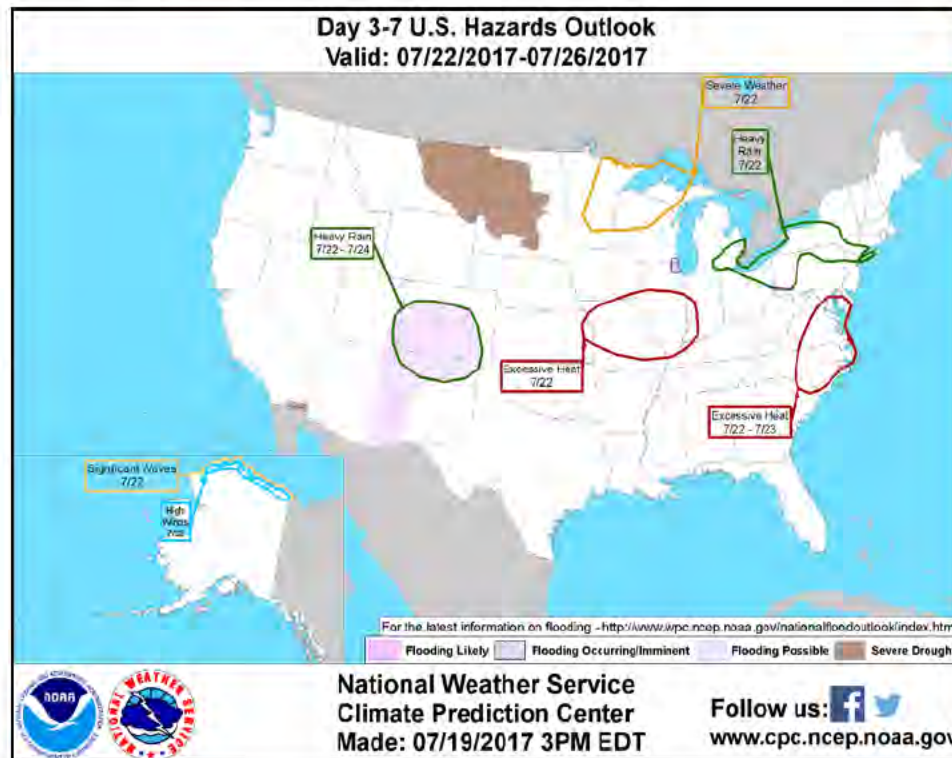
## Today

A frontal system moving through the High Plains, the Midwest, and into the Northeast will develop severe storms with wind or hail this afternoon. Rain will be heavy over portions of the northern Plains, producing the risk of flash flooding. Monsoonal moisture, combined with daytime heating, will trigger showers and thunderstorms over parts of the Desert Southwest and Great Basin into parts of the central and southern Rockies through Friday evening. The showers and thunderstorms will have the greatest areal coverage during the afternoon and evening hours, and may produce periods of heavy rain. Flash flooding will be possible. Elsewhere, showers and thunderstorms will be scattered across the Gulf Coast region, Florida, and the Southeast.

## Tomorrow

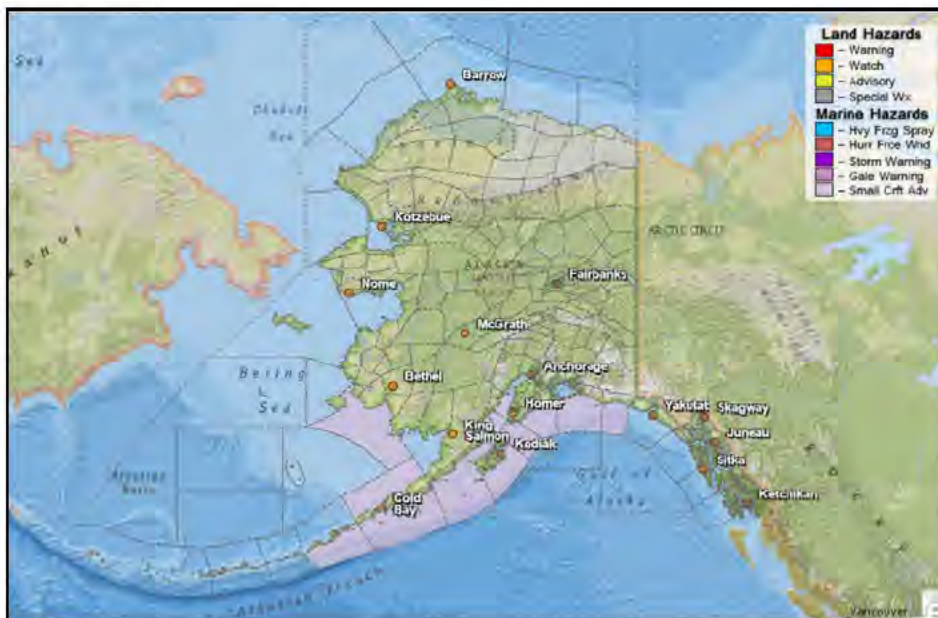
A frontal system moving out of Canada will help push showers and thunderstorms off the Northeast coast by Friday morning and continue over parts of the Ohio Valley and the middle Mississippi Valley on Friday. Locally heavy rain, as much as 4 inches, will be possible, especially along the Wisconsin and Illinois border. Flash flooding will be a concern, as well as the risk for hail and locally damaging winds. The strong monsoonal flow will continue across the Desert Southwest, the Four Corners region, and the Rockies. This will result in afternoon and evening showers and thunderstorms across these areas. Flash flooding will be possible for parts of Utah, Arizona, and southwestern New Mexico. Elsewhere, daytime heating will help develop rain showers and thunderstorms across the Gulf Coast region and the Southeast.

## Weather Hazard Assessment



- July 22: Heavy rain expected across portions of the Great Lakes, the mid-Atlantic, the Northeast, and the Ohio Valley.
- July 22: Severe weather is likely across portions of the Great Lakes and the upper Mississippi Valley.
- July 22: High winds across coastal portions of northern mainland Alaska.
- July 22: High significant wave heights across coastal portions of northern mainland Alaska.
- July 22: Excessive heat across portions of the central Plains, the middle Mississippi Valley, the Great Lakes, and the Ohio Valley.
- July 22-23: Excessive heat across portions of the Southeast and the mid-Atlantic.

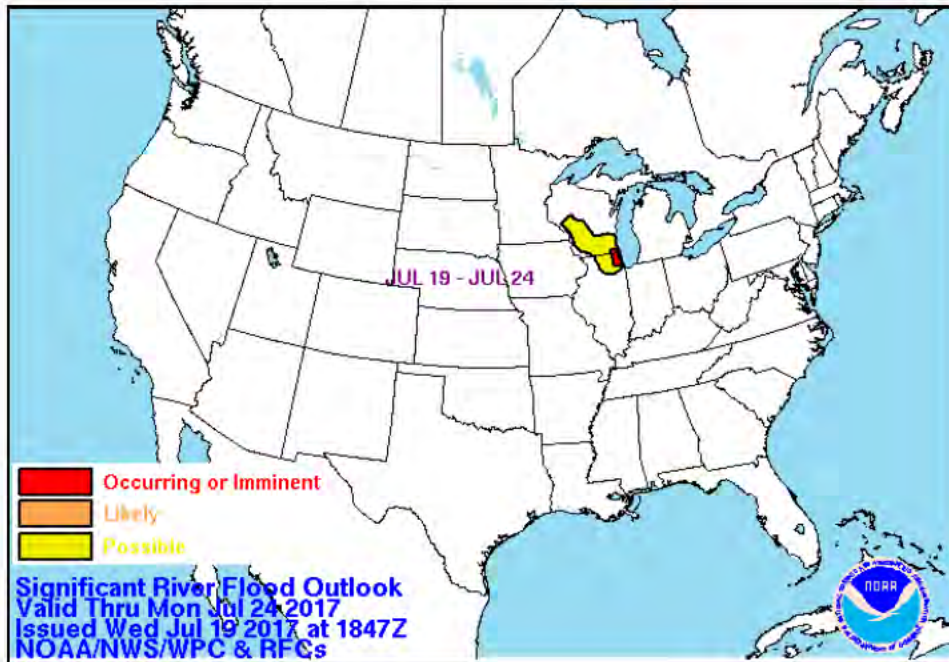
## Alaska Weather



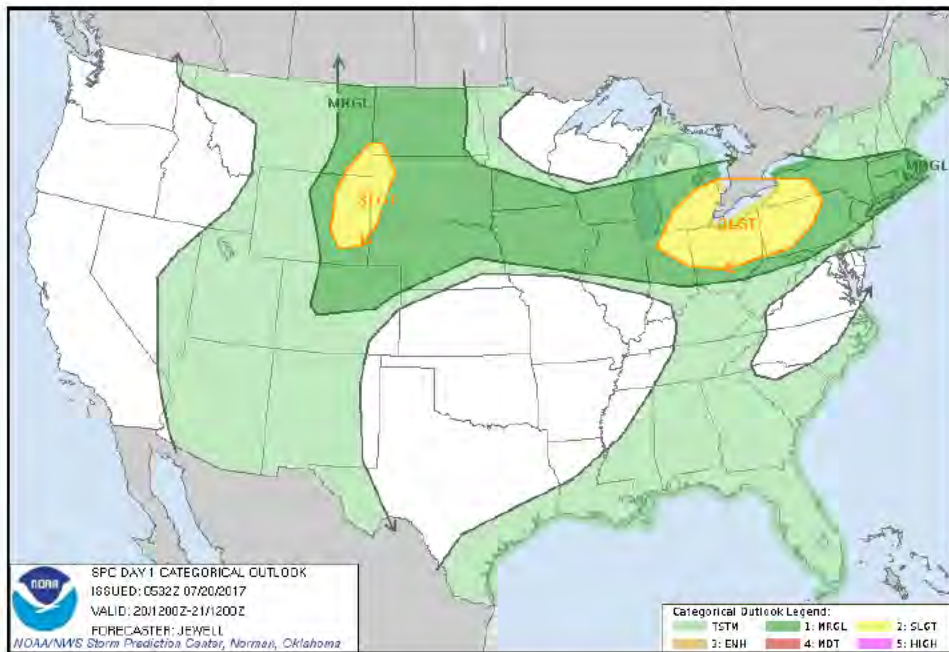
Small Craft Advisories are in effect throughout portions of the central and eastern Aleutian Islands, the central and western Gulf of Alaska, the Cook Inlet, the Kuskokwim Delta, and the Etolin Strait. A Special Weather Statement warning of rapid rise of rivers starting on July 21 has been issued for northeastern Alaska.

## Significant River Flooding

Significant River Flooding is occurring, imminent, or possible in southern Wisconsin and northeastern Illinois.

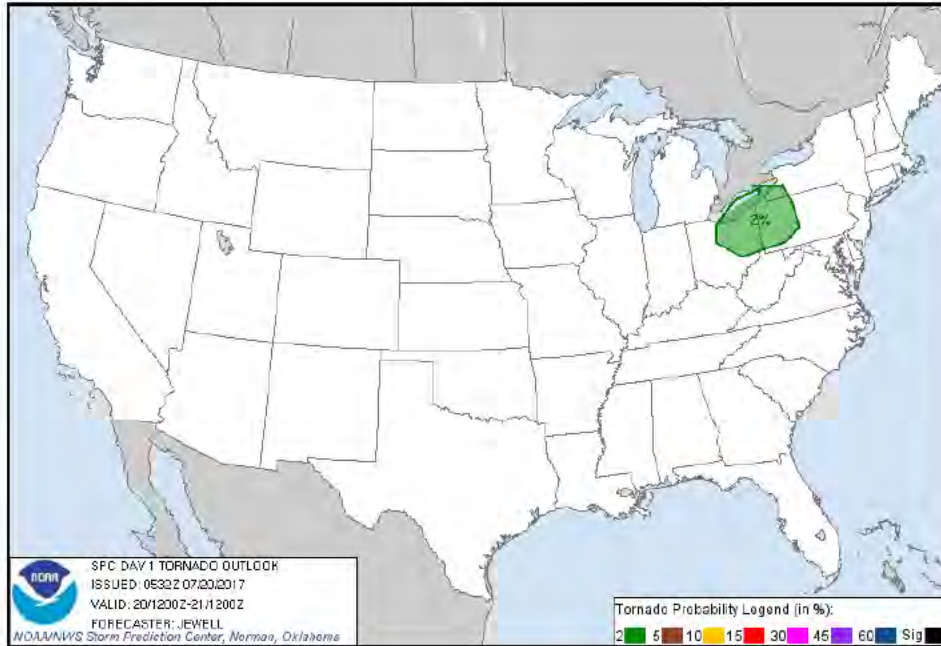


**Severe Weather**



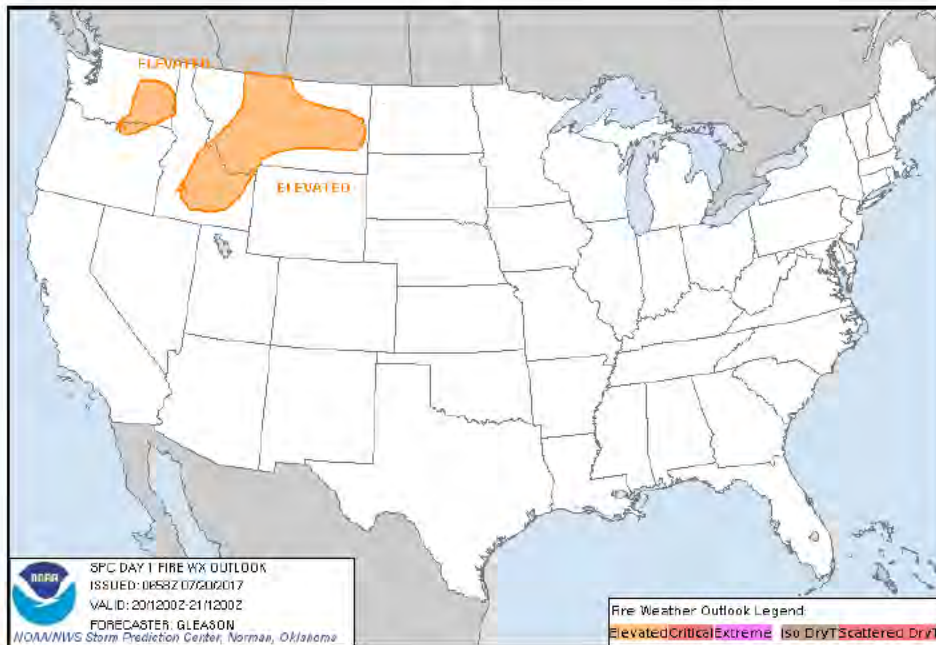
There is Slight Risk of severe thunderstorm activity today across the northern High Plains and lower Great Lakes region. There is Marginal Risk of severe thunderstorms from the northern and central High Plains eastward into New England.

## Tornado Weather



There is a 2-percent chance of tornado activity today for eastern Ohio, western Pennsylvania, and western New York.

## Fire Weather



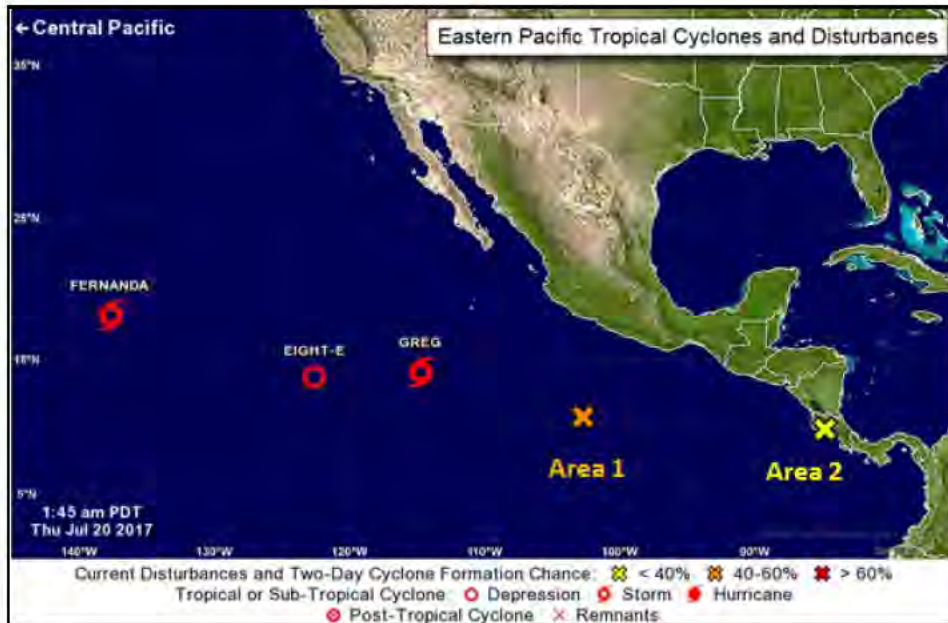
There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather exists for portions of Washington, Idaho, north-central Oregon, and Montana.



## **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – July 20, 2017*

### **Eastern Pacific Ocean**



#### **Area 1**

A large area of disorganized showers and thunderstorms, located several hundred miles south of the coast of southern Mexico, is associated with a broad low pressure system. Environmental conditions are expected to be conducive for development of this system over the next couple of days while it moves westward to west-northwestward at 10 to 15 mph. A tropical depression is likely to form well southwest of Mexico by this weekend. This system has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **Area 2**

Another large area of disorganized showers and thunderstorms is moving westward across southern portions of Central America into the eastern Pacific Ocean. An area of low pressure associated with this disturbance is forecast to form south of Mexico by this weekend, and further development is possible by early next week while the system moves west-northwestward at 10 to 15 mph. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **Tropical Storm Fernanda**

As of 5:00 a.m. EDT, Tropical Storm Fernanda was located approximately 1,140 miles east of Hilo, Hawaii, and moving toward the west-northwest at 9 mph. Fernanda is expected to continue on this forecast track through Friday. Maximum sustained winds have decreased to near 70 mph,

and continued weakening is forecast for the next 48 hours. There are no coastal watches or warnings in effect at this time.



HURREVAC Image

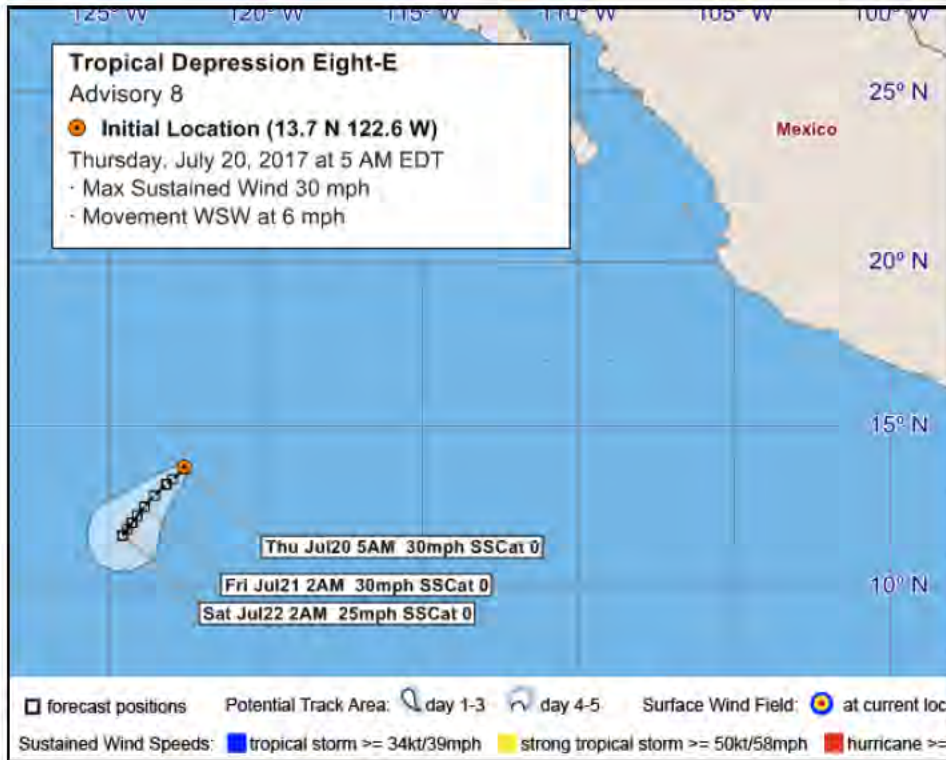
### Tropical Storm Greg



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Greg was located approximately 685 miles southwest of the southern tip of Baja California, Mexico, and moving toward the west at 10 mph. Maximum sustained winds are near 40 mph, with higher gusts, and gradual strengthening is expected during the next 48 hours. Greg could be near hurricane strength by this weekend. There are no coastal watches or warnings in effect.

### Tropical Depression Eight-E



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Depression Eight-E was located approximately 1,045 miles southwest of the southern tip of Baja California, Mexico, and moving toward the west-southwest at 6 mph. A turn toward the southwest and a decrease in forward speed are expected on Friday. Maximum sustained winds are near 30 mph, with higher gusts, and little change in strength is expected during the next 48 hours. There are no coastal watches or warnings in effect.

### Atlantic Ocean

Tropical cyclone activity is not expected during the next 48 hours.

*\*End of Report\**

**Distribution:**

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Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

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IOS Senior Officials\*

Select Individuals/Interagency Partners

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**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Midwestern Flooding

### **Midwestern Flooding Responses in Wisconsin, Iowa, Minnesota**

*Source: U.S. Fish and Wildlife (FWS) and U.S. Geological Survey (USGS), July 20, 2017*

Two rounds of thunderstorms pushed through southern Wisconsin (WI) Wednesday evening, July 19, and again early Thursday morning. In the past two weeks, many areas received between five and ten inches of rain across far southeastern and south central Wisconsin. The National Weather Service has issued Flood Warnings and Watches for Iowa (IA), Illinois, and Wisconsin.

The FWS reported heavy rainfall and a tornado impacted several FWS refuges in Iowa, Minnesota, and Wisconsin. The tornado occurred on July 19 in McGregor, (IA) close to the Upper Mississippi River Wildlife and Fish Refuge (NWR). Trempleau NWR and LaCrosse District, Upper Mississippi River NWR (WI) were closed due to flooded roads. McGregor District, Upper Mississippi River NWR (WI) reported that roads were blocked preventing access to certain portions of the refuge. Through a request from the Clayton County Sheriff's Office, the refuge assisted the town of McGregor with cleanup activities, providing heavy equipment and an operator. The Winona District, Upper Mississippi River NWR (MN) assisted in search and rescue efforts along the river. All FWS employees have been accounted for, and there were some reports of employees homes being impacted.

The USGS currently has five crews collecting high flow measurements in southwestern Wisconsin due to localized flooding. The main rivers affected are the Kickapoo, Trempealeau, Baraboo, Pecatonica, and LaCrosse.

### **Wildland Fire Activity**

Source: *Fire and Aviation Management Website - July 20, 2017*

The **Cottonwood-Rosebud Fire** in Montana reached 100-percent containment and will not be summarized.

### **California**

#### **Detwiler Fire**



*IGEMS Image*

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 70,596 (+22,596)
- Containment: 10-percent (+3)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 3,737 (+562) / 68 (+32)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was active with short-range spotting, fueled by tall grass and chaparral. Evacuation orders remain in effect. The fire will continue to spread to the northeast through the next 24 hours. State Routes 140 and 49 are currently impacted by the fire and impeding access to Yosemite National Park. High power transmission lines, which supply power to Yosemite National Park, are also impacted by the fire. The National Park Service (NPS) is reporting that the fire is impacting towns near the Yosemite National Park, where many NPS employees reside. The fire threatens the Mariposa Public Utility District water supply and critical communication infrastructure on Fremont Peak. Fifty residences have been destroyed.

**Long Valley Fire**



IGEMS Image

- Start Date: July 11
- Location: Lassen County, CA (BLM)
- Burned Acres: 83,733 (no change)
- Containment: 91-percent (+20)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 489 (-187) / 84 (-52)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-75) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: July 25

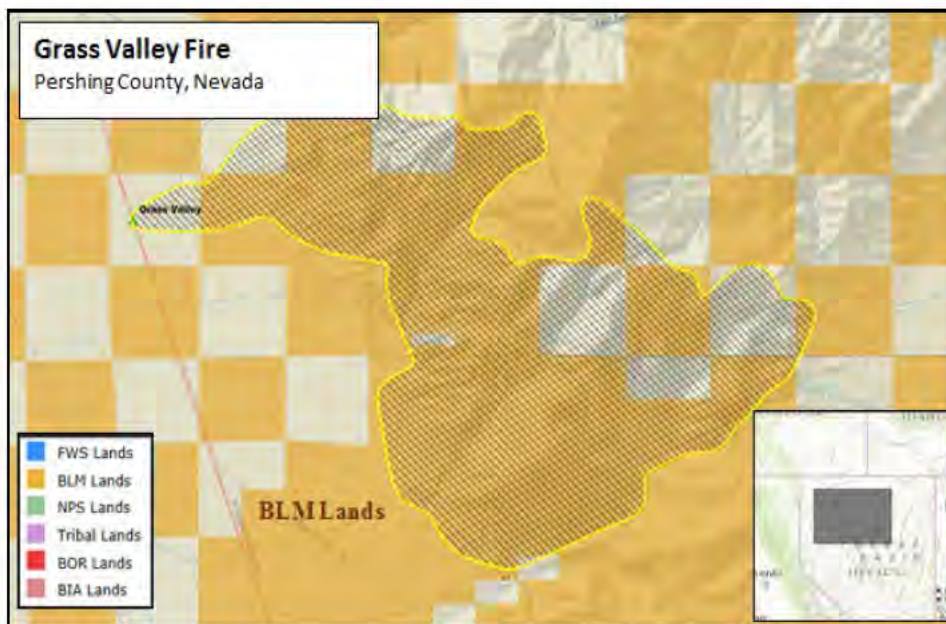
Comments: Fire behavior was described as minimal during this reporting period. Interior fuels continue to burn. Resources continue to patrol the perimeter to assess for any new damage to infrastructure, private property, cultural resources, or habitat. One residence has been destroyed.

## Nevada

### Grass Valley Fire

- Start Date: July 17
- Location: Pershing County, NV (BLM)
- Burned Acres: 11,590 (no change)
- Containment: 88-percent (+38)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 230 (+31) / 59 (+18)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 21

Comments: Minimal fire activity was observed during this reporting period, and crews continue mop-up operations. Sage Grouse habitat continues to be threatened.



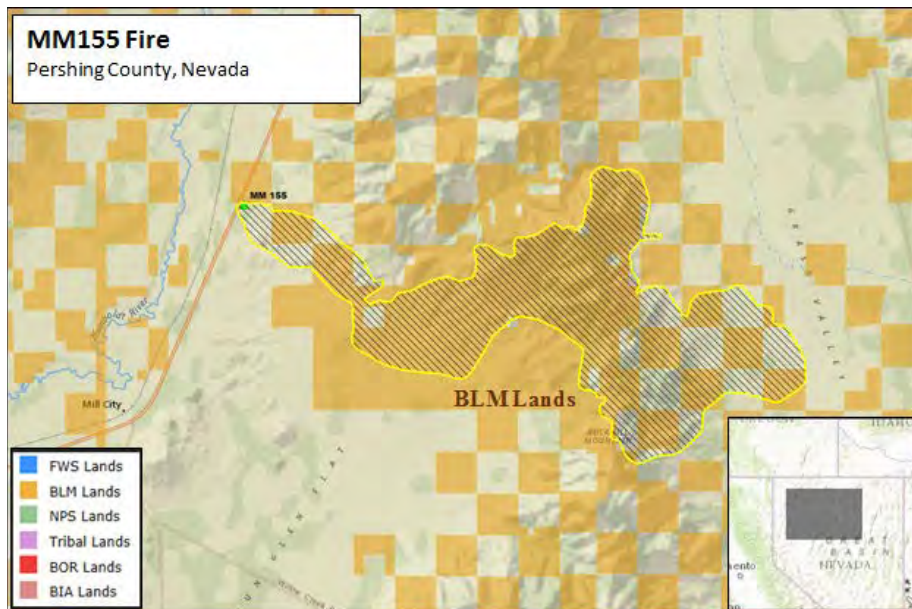
IGEMS Image



## MM155 Fire (Initial)

- Start Date: July 14
- Location: Pershing County, NV (BLM)
- Burned Acres: 22,360
- Containment: 97-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 41 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Shelter in place: 30 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: July 21

Comments: Minimal fire activity was observed during this reporting period, and crews continue mop-up operations. Sage Grouse habitat continues to be threatened. The fire has transitioned to a Type-2 IMT (Grass Valley Fire); however, the fire is expected to transfer to a local Type-4 team within the next 24-36 hours.



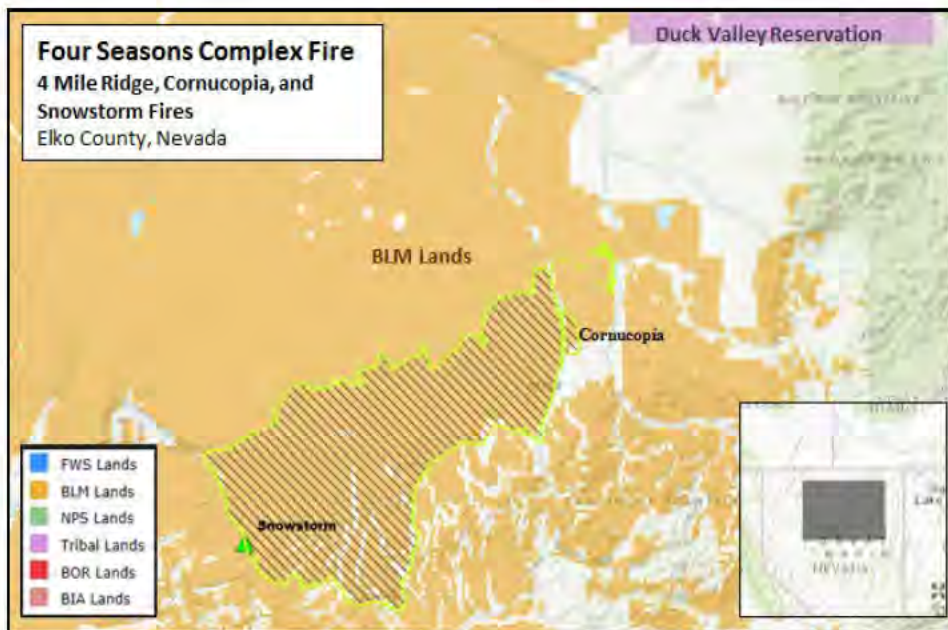
IGEMS Image

## Four Seasons Complex

- Start Date: July 16
- Location: Elko County, NV (BLM)
- Burned Acres: 159,986 (+4,489)
- Containment: 85-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 460 (-76) / 60 (+6)

- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 15 (+15) / 0 (no change)
- Containment Date: July 24

Comments: Fire progression has been stopped, and mop-up operations continue. Resource downsizing continues, but an initial attack contingent will remain. The complex consists of the Cornucopia, Snowstorm, and 4 Mile Ridge fires. The ICP has had 15 develop flu like symptoms.



IGEMS Image

## South Dakota

### Wanblee Timber Fire

- Start Date: July 16
- Location: Jackson County, SD (BIA)
- Burned Acres: 5,305 (no change)
- Containment: 78-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 44 (-129) / 17 (-10)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 20 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as moderate during this reporting period, with the fire creeping and backing. Rocky, steep terrain and high temperatures are hampering fire suppression efforts. The Wanblee and Georgetown communities, as well as cultural sites are threatened by the fire. One unoccupied residence has been destroyed.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Peekaboo	Moffat, CO	BLM	4	12,839	98%	July 20
Turtle	Rosebud, MT	BIA	3	1,849	95%	July 22
Barker	Garfield, MT	BLM	3	2,500	0%	August 2
Bridge Coulee	Garfield, MT	BLM	3	32,500	0%	August 2
South Breaks	Garfield, MT	BLM	3	5,000	0%	August 2
Cedar Mountain	Tooele, UT	BLM	3	17,800	25%	July 30
Onaqui Mountain Complex	Tooele, UT	BLM	3	37,974	90%	July 22
Wildcat	Box Elder, UT	BLM	4	1,000	0%	July 23

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 21, 2017

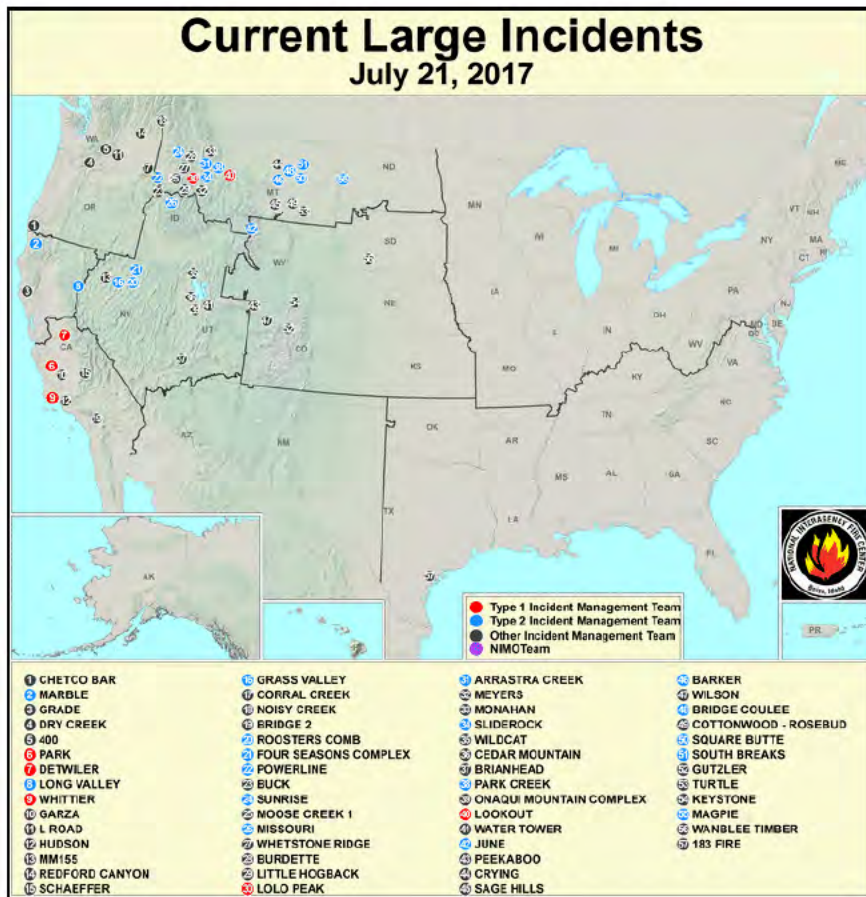
## National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (165 new fires)
New large fires:	15
Large fires contained:	5
Uncontained large fires: **	36
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	5
Type 2 IMTs committed:	11

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Earthquake Activity**

*Source: U.S. Geological Survey – July 20, 2017*

On July 20, at 6:30 p.m. EDT, the USGS reported a magnitude 6.7 earthquake 6.2 miles south-southeast of Bordrum, Turkey at a depth of 6 miles. USGS issued a Yellow Alert PAGER for potential economic losses, indicating some damage was possible and the impact localized. USGS issued a Green PAGER alert for shaking related fatalities, which should be low. No tsunami was generated by the earthquake. Open source media has reported a few fatalities and building damage.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was detected in seismic, infrasound, or lightning data over the past observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. AVO has no ground-based volcano monitoring equipment on Bogoslov volcano. A Temporary Flight Restriction remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Seismic and web-camera data have been intermittent. No significant seismicity or infrasound data from Cleveland has been detected during the last observation period, but slightly elevated surface temperatures at the summit were observed in a partly cloudy satellite image.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 20, 2017*

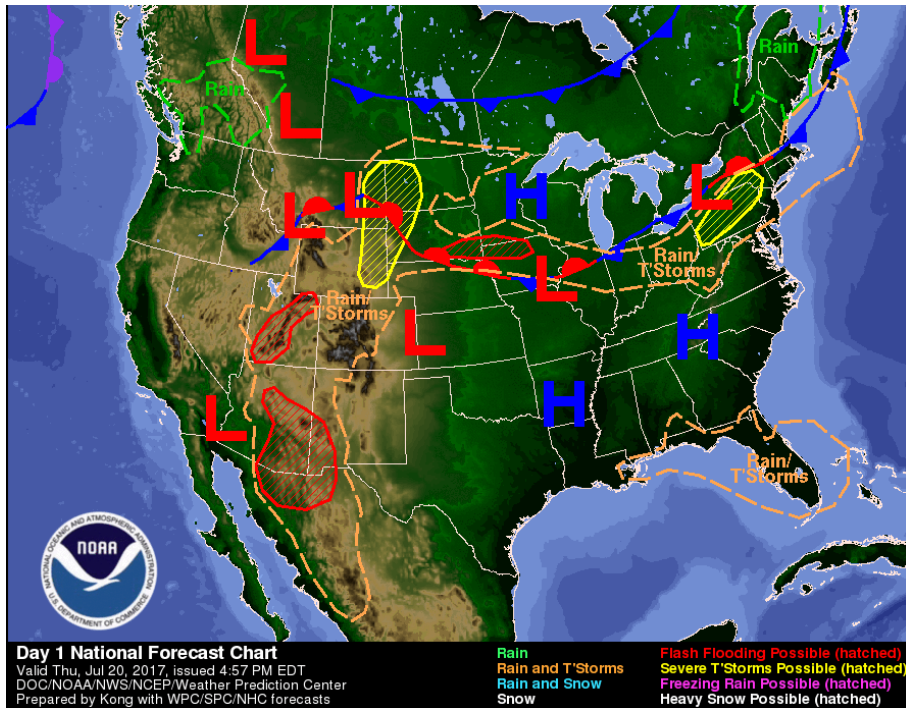
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels or ground deformation trends across the volcano.

## Significant National Weather

Source: National Weather Service - July 21, 2017



### Today

Today, there is an Enhanced Threat of severe weather from North Dakota to northern Illinois, with a Slight Risk covering most of the upper Midwest; large hail and gale force winds are the largest threats. Rain will be heavy over portions of the midwest, producing a risk of flash flooding. A Severe Threat will spread into the Ohio River Valley and mid-Atlantic region by Saturday. Excessive heat will affect most of the eastern half of nation with heat indices reaching 105-110 Fahrenheit. Monsoonal moisture will bring the threat of heavy showers/thunderstorms across the Southwest, and an increased risk for flash flooding will persist across this region through Saturday. Elsewhere, Critical/Elevated Fire Weather conditions are expected for the northern High Plains.

### Tomorrow

A frontal system extending across the northern Plains through the Midwest and mid-Atlantic will bring showers and thunderstorms across this region on Saturday. Severe thunderstorms will be possible with the primary hazard being large hail and damaging winds, while heavy rain will increase the risk of flash flooding across the lower Great Lakes and central Appalachians. A strong monsoonal flow will continue the rain and thunderstorm trend across the Desert Southwest, the Four Corners region, and the southern Rockies. Heavier rain is expected across eastern Arizona, New Mexico, and southern Colorado on Saturday, where flash flooding will be

possible. Elsewhere, rain and thunderstorms will continue across portions of the Gulf Coastal region, the Deep South, the Southeast, and Florida. There is also some rain expected for northwestern Washington with the approach of a Pacific system.

## Weather Hazard Assessment



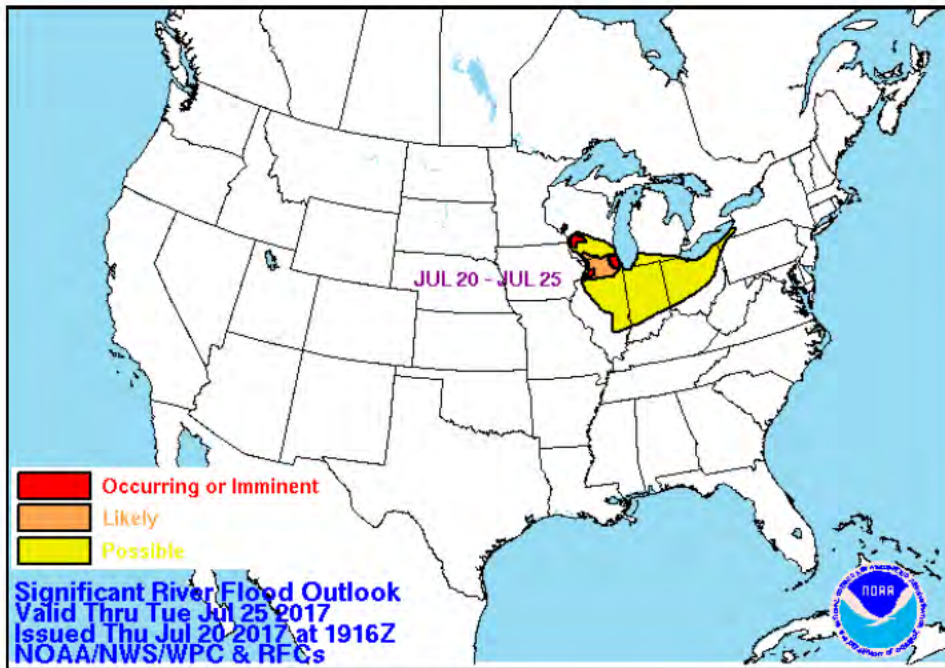
- July 21: Flooding occurring, imminent, or possible for parts of northern Illinois and southern Wisconsin.
- July 21: Severe drought across parts of the Great Plains, Arizona, California, and Hawaii.
- July 23: Excessive heat for parts of the mid-Atlantic.
- July 23-24: Locally heavy rain for parts of the eastern U.S.
- July 23-24: Flash flooding possible for parts of Arizona, Colorado, and New Mexico.
- July 25: Locally heavy rain continuing for the eastern Carolinas.

## Alaska Weather

Small Craft Advisories are in effect throughout the Gulf of Alaska coastal waters, and across portions of the North Slope from Cape Thompson to Demarcation Point. A Gale Warning is in effect for the Shelikof Strait. A Special Weather Statement for rapid river rise is in effect for the eastern Brooks Range and North Slope regions starting on July 22.



### Significant River Flooding



Significant River Flooding is occurring, imminent, or likely in southern Wisconsin and northeastern Illinois. Significant River Flooding is possible across the southern portion of the Great Lakes through Indiana, Illinois, Ohio, and the far northwestern corner of Pennsylvania.

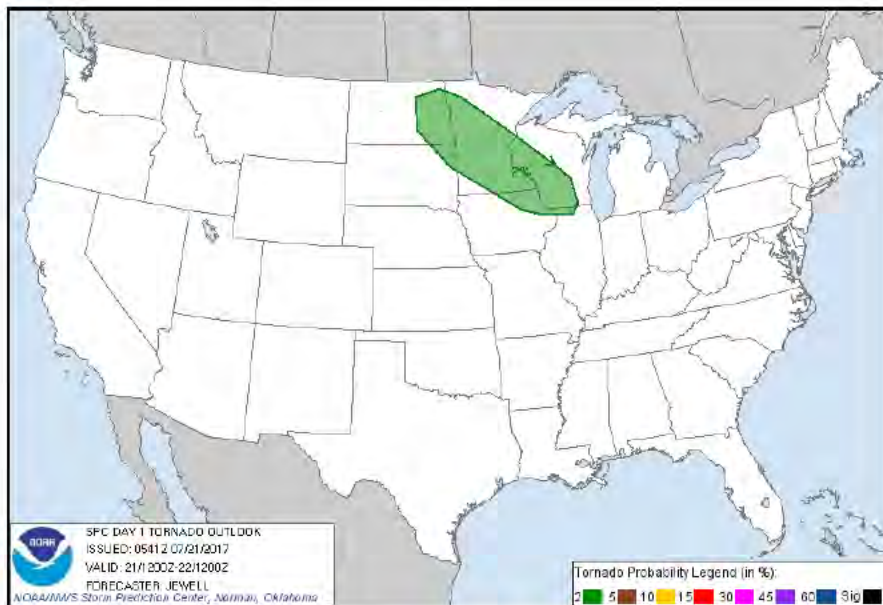


## Severe Weather



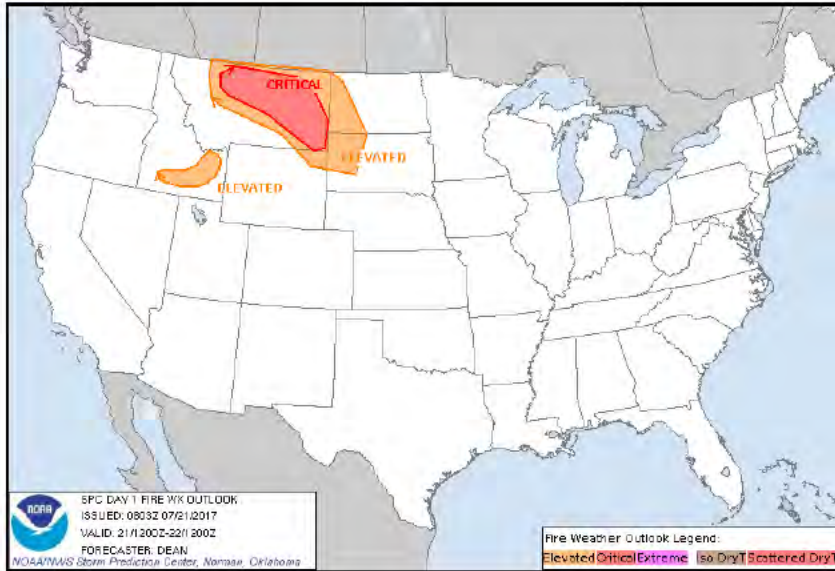
There is an Enhanced and Slight Risk of severe thunderstorm activity today across the northern High Plains through the upper and middle Mississippi Valley, to portions of the upper Great Lakes and western Ohio Valley regions. There is Marginal Risk of severe thunderstorms from the northern and central High Plains eastward into the Ohio Valley.

## Tornado Weather



There is a 2-percent chance of tornado activity today across portions of the northern Plains and the upper Mississippi Valley.

## Fire Weather

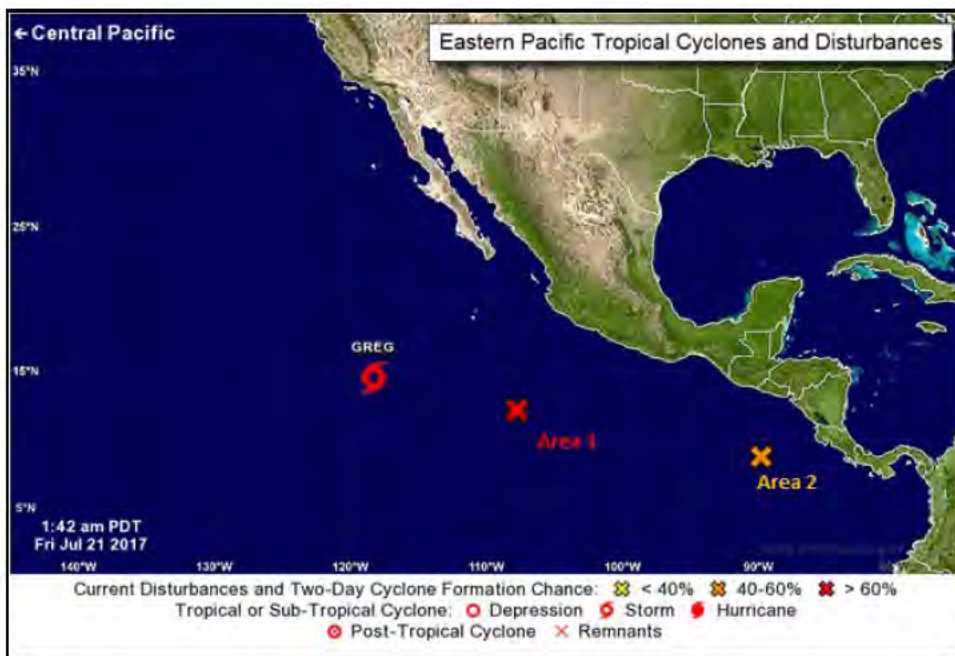


There is Critical Fire Weather forecast for today across much of eastern and central Montana. Elevated Fire Weather spreads over most of Montana, the far western Dakotas and portions of southern Idaho.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – July 21, 2017

## Eastern Pacific Ocean



## Area 1

Numerous showers and thunderstorms are associated with a broad area of low pressure centered several hundred miles south of the southern tip of the Baja California peninsula. Environmental conditions are forecast to be conducive for development of this system while it moves westward to west-northwestward at around 10 miles per hour (mph). This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

## Area 2

Showers and thunderstorms associated with a tropical wave continue to show signs of organization over the far eastern Pacific southwest of Central America. Environmental conditions are forecast to become increasingly favorable for development. This system has a near 50-percent chance of developing into a tropical cyclone over the next 48 hours.

## Central Pacific

### Tropical Storm Fernanda

As of 5:00 a.m. EDT, Tropical Storm Fernanda was located approximately 1,330 miles east of Hilo, Hawaii, and moving toward the west-northwest at 12 mph. Fernanda is expected to continue on this forecast track through Friday and become a Tropical Depression. Maximum sustained winds have decreased to near 50 mph, and continued weakening is forecast for the next 48 hours. There are no coastal watches or warnings in effect at this time.



HURREVAC Image

## Tropical Storm Greg



*HURREVAC Image*

As of 5:00 a.m. EDT, Tropical Storm Greg was located approximately 800 miles southwest of the southern tip of Baja California, Mexico, and moving toward the west at 10 mph. Maximum sustained winds are near 50 mph, with higher gusts, and gradual strengthening is expected during the next 48 hours. Greg could be near hurricane strength by this weekend. There are no coastal watches or warnings in effect.

### Atlantic Ocean

Tropical cyclone activity is not expected during the next 48 hours.

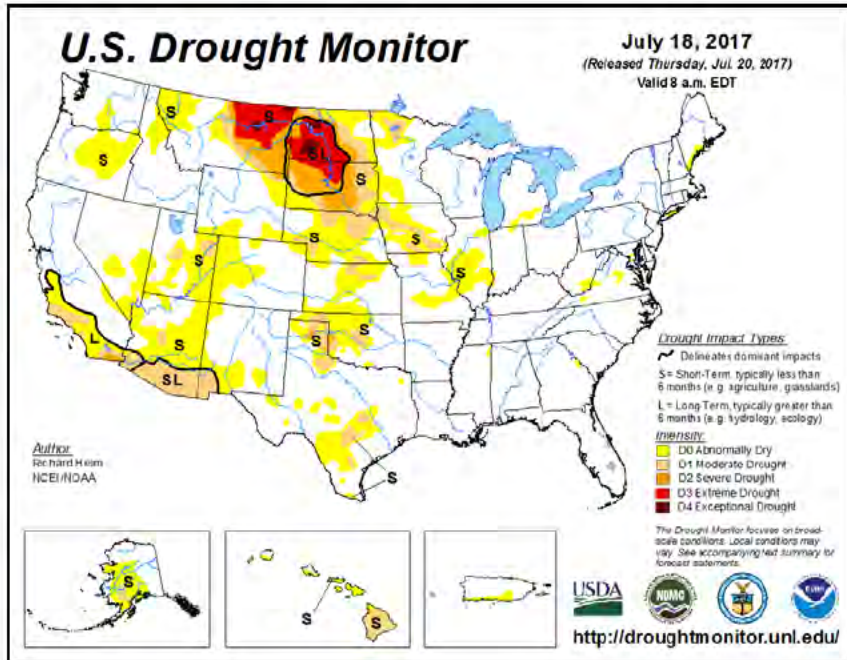
### Other News and Notes

#### U.S. Drought Monitor

Source: *United States Drought Monitor – July 21, 2017*

An upper-level ridge of high pressure dominated the western contiguous U.S. (CONUS) during this U.S. Drought Monitor (USDM) week. The ridge inhibited precipitation and kept temperatures warmer than normal across much of the West. Monsoon showers developed in the Southwest, bringing above-normal precipitation to some areas, with intense storms that developed with the fronts as they moved across the northern and central Plains. Only a few of these storms brought above-normal precipitation to the Plains. Summertime convection and frontal lifting brought rain to parts of the southern Plains and areas east of the Mississippi River. The prolonged and intensifying drought ravaged crops and rangeland in the northern Plains, while soils continued to dry out across the West, the Plains, and into the mid-Atlantic region.

Exceptional Drought returned to the USDM map this week as spots of exceptional drought developed in the northern Plains where below-normal rain fell, and abnormally dry weather expanded in parts of the Southwest where the monsoon precipitation was below normal. Persistent below-normal precipitation and enhanced evapotranspiration due to excessive heat expanded areas of drought and abnormal dryness in the central Plains to Midwest.



***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, July 24, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Midwestern Flooding

**USGS Response to Midwestern Flooding in Illinois and Iowa**

*Source: U.S. Geological Survey (USGS) - July 23, 2017*

USGS crews continue to respond to flooding in northern Illinois and northeastern Iowa due to heavy rains that fell on July 21 and July 22. Rivers in those areas continue to rise. River basins affected by flooding include the Rock, Fox, and Pecatonica rivers in Illinois, and the Wapsipinicon, Maquoketa, and Volga rivers in Iowa. Overall, 22 USGS streamgages in northern Illinois are above the National Weather Service (NWS) flood stage and six USGS streamgages in Iowa are above the NWS flood stage.

USGS crews deployed Saturday to the affected areas and made approximately 15 discharge measurements to validate stage-discharge relations and assist the NWS with forecast information. Three USGS crews deployed yesterday to make discharge measurements and ensure proper streamgage operation.

All streamgages in the affected areas appear to be functioning properly. The NWS, U.S. Army Corps of Engineers (USACE), and other local emergency managers are being kept apprised of USGS findings.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - July 24, 2017*

The **Turtle Fire** in Montana, the **MM155** and **Grass Valley** fires in Nevada, the **Wanblee Timber Fire** in South Dakota, the **Onaqui Mountain Complex**, **Cedar Mountain**, and **Wildcat** fires in Utah, have reached 100-percent containment and will not be summarized in today's report. The **Peekaboo Fire** in Colorado is now being maintained under a Monitor Strategy and will not be summarized in today's report.

## **California**

### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 76,250 (+5,662)
- Containment: 45-percent (+35)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 5,043 (+1,306) / 113 (+45)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was moderate with creeping, fueled by tall grass and chaparral. Evacuation orders remain in effect. The fire will continue to spread to the northeast through the next 24 hours. State Routes 140 and 49 are currently impacted by the fire and impeding access to Yosemite National Park. The fire also affects high power transmission lines, which supply power to Yosemite National Park. The National Park Service (NPS) reported that the fire is impacting towns near the Yosemite National Park, where many NPS employees reside. The fire threatens the Mariposa Public Utility District water supply and critical communication infrastructure on Fremont Peak. Sixty-three residences have been destroyed.

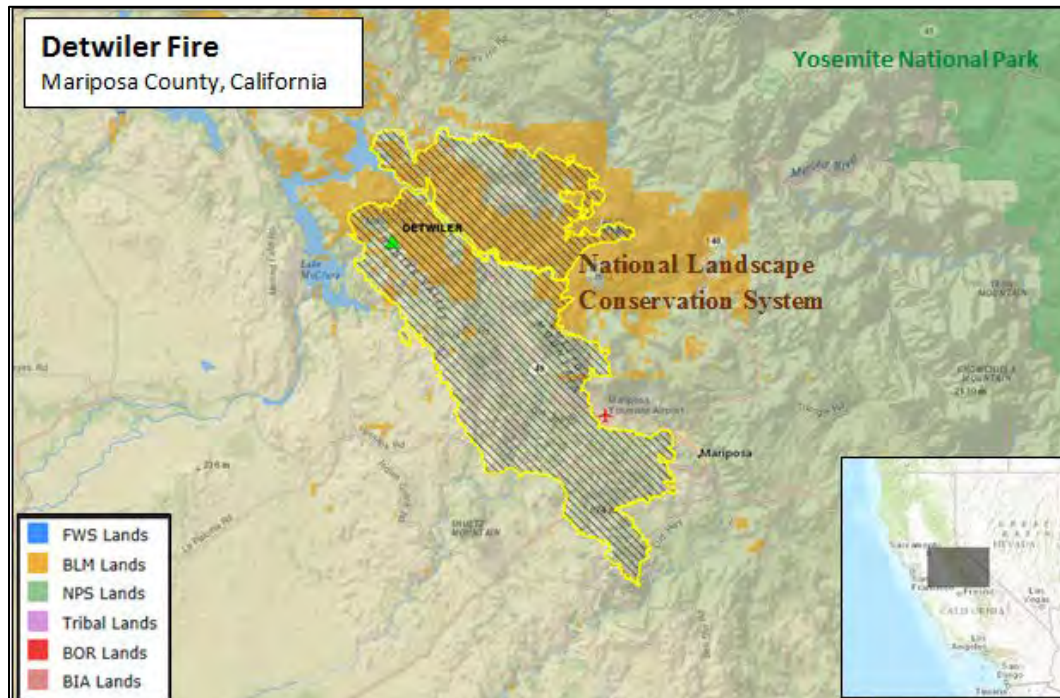
### **Detwiler Fire Impacts to Seismic Sensors**

*Source: U.S. Geological Survey (USGS) - July 20, 2017*

The USGS is reporting that the Detwiler Fire located outside of Yosemite National Park in central California has disrupted service for 19 seismic sensors in the Northern California Seismic Network. These sensors provide coverage over the western side of the south San Joaquin Valley from the San Luis Reservoir to Coalinga, and from Copperopolis to Visalia in the Sierra foothills. Sensors have lost communications connectivity to the USACE Mount Bullion microwave site, which may have been damaged by fire or suffered a loss of power.

Preliminary assessments indicate that one seismic sensor may have also been damaged by

fire. Additional detailed assessments will be performed, along with an estimate for a time of return to service, once USGS and USACE personnel have access to the impacted areas. Impacts to the earthquake monitoring capabilities of the USGS include the loss of ability to detect and locate small earthquakes in the immediate vicinity, along with increased uncertainty in the initial location of larger earthquakes in the immediate vicinity.



IGEMS Image

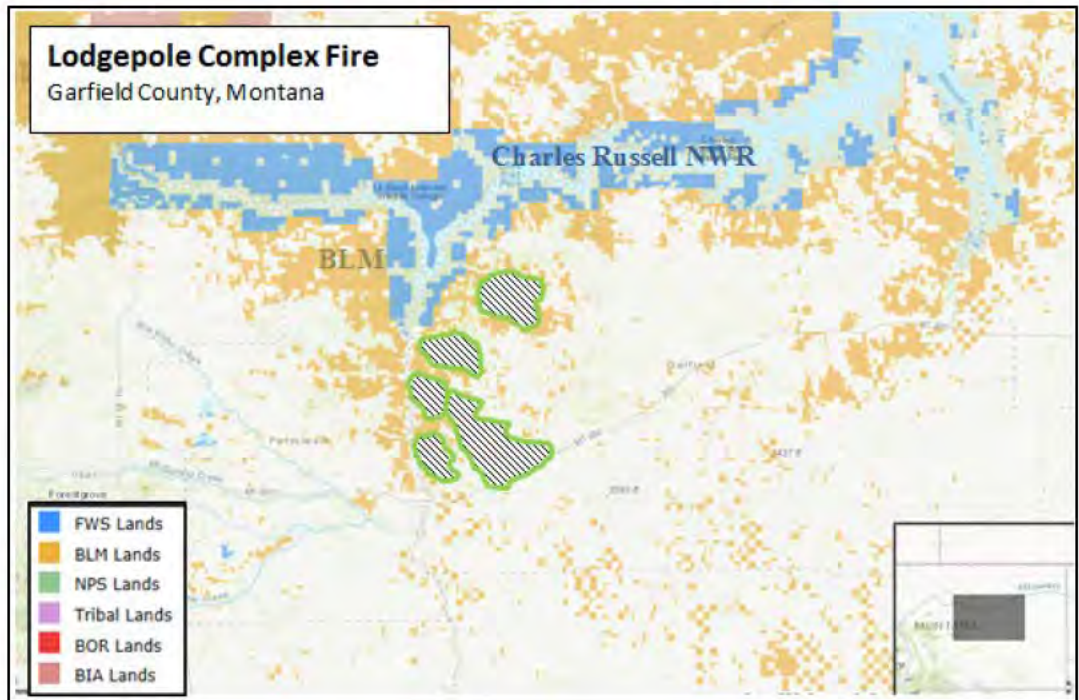
## Montana

### **Lodgepole Complex Fire (Initial)**

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 226,000
- Containment: 5-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 215 / 26
- Structures Threatened-Single-Mixed Residential/Commercial: 145 / 0
- Evacuations / Shelter in place: 50 / 0
- Civilian Injuries / Fatalities: 3 / 0
- Responder Injuries / Fatalities: 2 / 0
- Containment Date: August 2

Comments: Fire behavior was described as active during this reporting period. The Lodgepole Complex Fire combines the Bridge Coulee, South Breaks, Barker, and Square Butte fires. The Bridge Coulee and Barker Fires are expected to continue to increase. Sage Grouse habitat continues to be threatened. Twelve residences have been destroyed.





INCIWEB Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Martin Canyon	Blaine, ID	BLM	3	2,000	0%	TBD
Microwave	Big Horn, MT	BIA	3	6,039	90%	July 27
Four Seasons Complex	Elko, NV	BLM	4	159,986	96%	July 24

# Wildland Fire Incident Management Situation Report

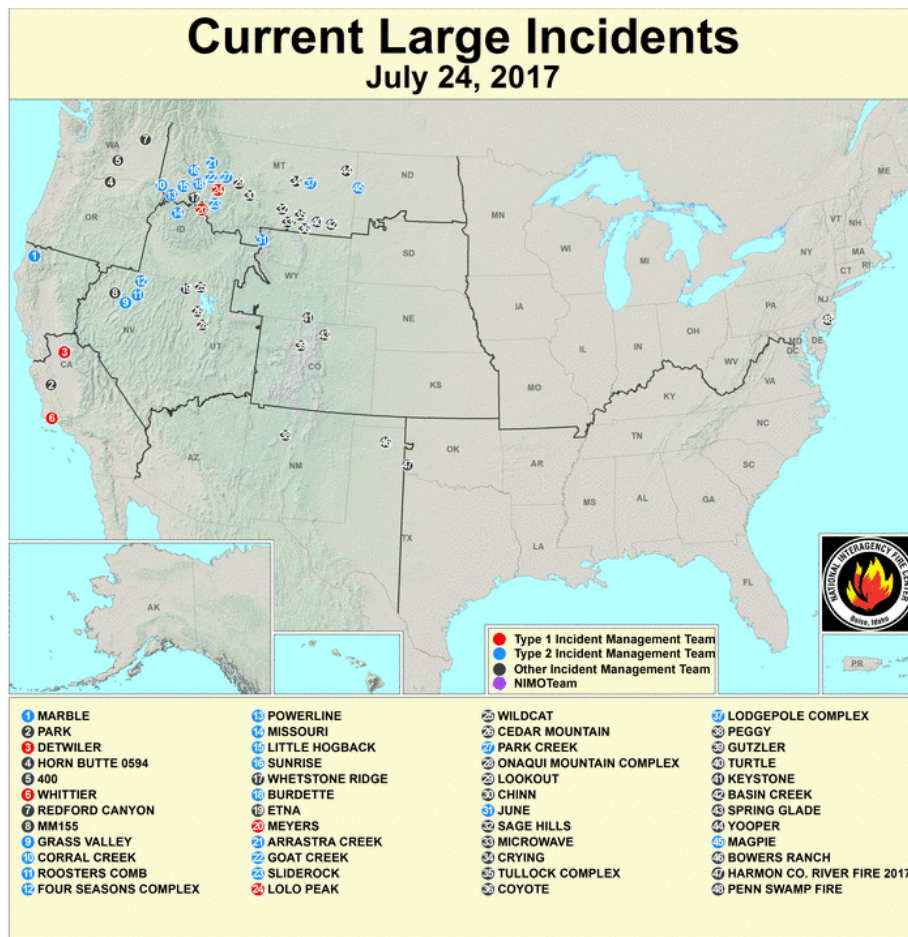
Source: National Interagency Fire Center – July 24, 2017

## National Preparedness Level 4 National Fire Activity

Initial attack activity:	Light (178 new fires)
New large fires:	10
Large fires contained:	6
Uncontained large fires: **	38
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	9

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## **U.S. Bureau of Reclamation Dam Response Activity**

### **Response Level 1 - Canyon Ferry Valley Dam and Helena Dam, Montana**

*Source: United States Bureau of Reclamation (USBR) - July 21, 2017*

On July 6, an Emergency Action Plan (EAP) Response Level 1 at Canyon Ferry Dam and Helena Dam was declared by the USBR Montana Area Office due to the magnitude 5.8 earthquake that occurred near Lincoln, Montana. Increased monitoring will continue this week; however, no damage or issues have been reported. A Response Level 1 is the lowest of USBR's response levels and does not indicate a risk to the downstream population.

### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation (USBR) - July 21, 2017*

On June 20, an EAP Response Level 1 at Boysen Dam was declared by the USBR Wyoming Area Office due to the reservoir water surface elevation rising into the flood control pool. The reservoir elevation is expected to stabilize and begin to fall due to runoff nearing an end. The Wyoming Area Office is coordinating releases from the dam with downstream authorities. While the reservoir is in the exclusive flood control pool, between 4,725.0 feet and 4,732.2 feet, releases from the dam will be coordinated with the U.S. Army Corps of Engineers. Current reservoir water surface elevation as of July 21 was 4,725.45 feet. Reservoir storage was approximately 750,457 acre-feet (af). On July 20, reservoir inflow was calculated to be 4,657 cubic feet per second (cfs) and releases were 5,753 cfs.

### **Response Level 1 - Yellowtail Dam, Montana**

*Source: United States Bureau of Reclamation (USBR) - July 21, 2017*

On July 3, an EAP Response Level 1 at Yellowtail Dam was declared by the USBR Montana Area Office due to the reservoir exceeding elevation 3,642.0 feet (2 feet into the exclusive flood control pool). Above 3,642.0 feet, the reservoir starts to inundate Black Canyon campground. As of July 21, the reservoir elevation was 3,645.58 feet. On July 20, calculated average inflow was 7,892 cfs, while the outflow was 9,664 cfs. USBR is coordinating with mission partners and will make release updates as needed.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 23, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was detected in seismic, infrasound, or lightning data over the past observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. AVO has no ground-based volcano monitoring equipment on Bogoslof volcano. A Temporary Flight Restriction was issued during this observation period, but it has since expired.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 23, 2017

Alert Level = WATCH

Color Code = ORANGE

No significant seismicity or infrasound data was detected from Cleveland volcano during the last observation period, but slightly elevated surface temperatures at the summit were observed in a partly cloudy satellite image. Web-camera views have been obscured by fog.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 23, 2017

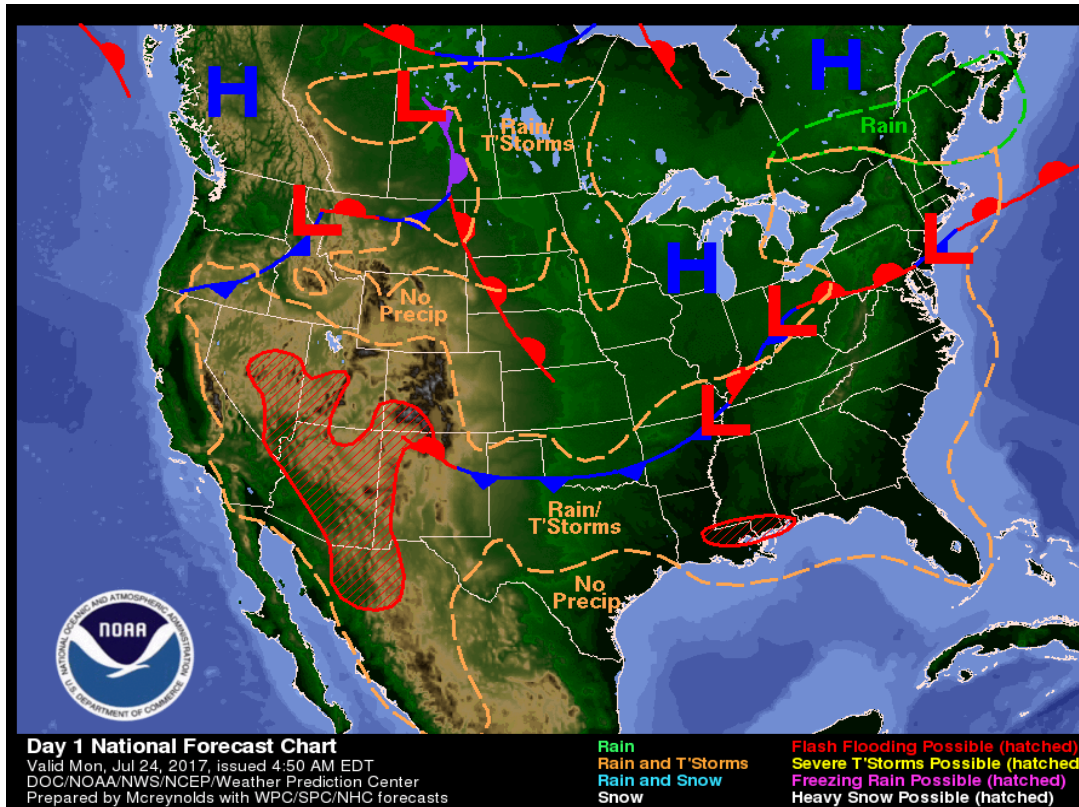
Alert Level = WATCH

Color Code = ORANGE

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano.

## Significant National Weather

Source: National Weather Service - July 24, 2017



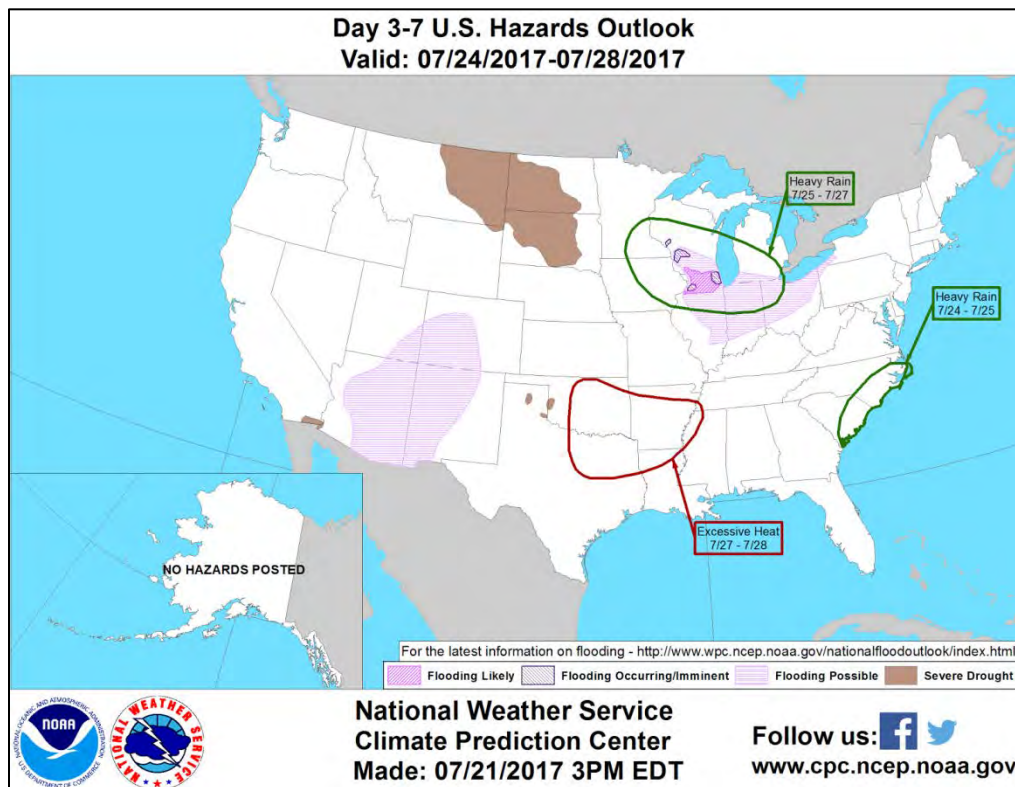
## Today

Rain and thunderstorms will develop from New England into the Southeast, Deep South, lower Mississippi Valley, and southern Plains. Isolated strong to severe thunderstorms may occur over portions of the Northeast, mid-Atlantic, and mid-South. Heavy rain and flash flooding will be possible for parts of far southern Mississippi and Louisiana. A weather system pushing across the northern Plains will produce showers and thunderstorms across parts of the upper Midwest, the Dakotas, and the western northern Plains. Monsoonal afternoon and evening showers and thunderstorms will once again produce heavy rain and the threat of flash flooding across portions of the Four Corners and Desert Southwest.

## Tomorrow

Light rain will be possible across portions of the Northeast. Showers and thunderstorms will continue to develop across the Southeast and Deep South. Rain and thunderstorms will develop from the western Great Lakes southwest into the Great Plains. Strong to locally severe thunderstorms will be possible across portions of the northern central Plains. Flash flooding will be possible from eastern South Dakota into southern Minnesota. Afternoon and evening monsoon related showers and thunderstorms will develop across the Great Basin, Four Corners, and Rockies. Rain will be heavy in spots with possible localized flooding and flash flooding developing from eastern Nevada into western Colorado.

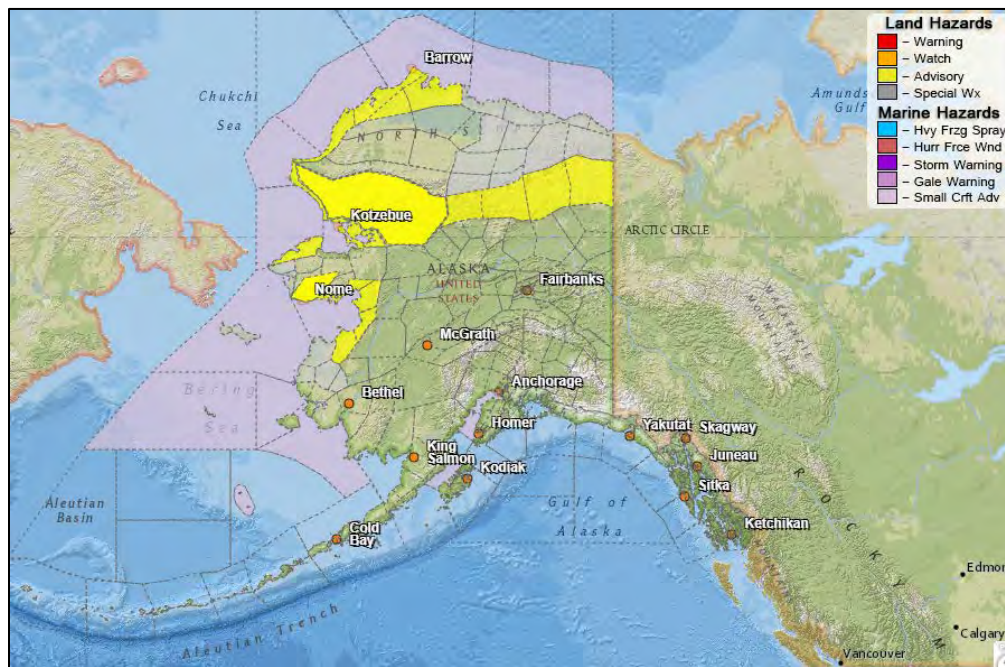
## Weather Hazard Assessment



- July 24: Severe Drought across parts of the Great Plains, Arizona, California, and Hawaii.
- July 24-25: Locally heavy rain for the eastern Carolinas.
- July 24-28: Flash flooding possible for parts of Arizona, Colorado, New Mexico, and Utah.
- July 25-27: Heavy rain shifting southeast across the upper to middle Mississippi Valley, the Great Lakes, and the Midwest.
- July 27-28: Excessive heat for parts of the lower Mississippi Valley, Oklahoma, and Texas.

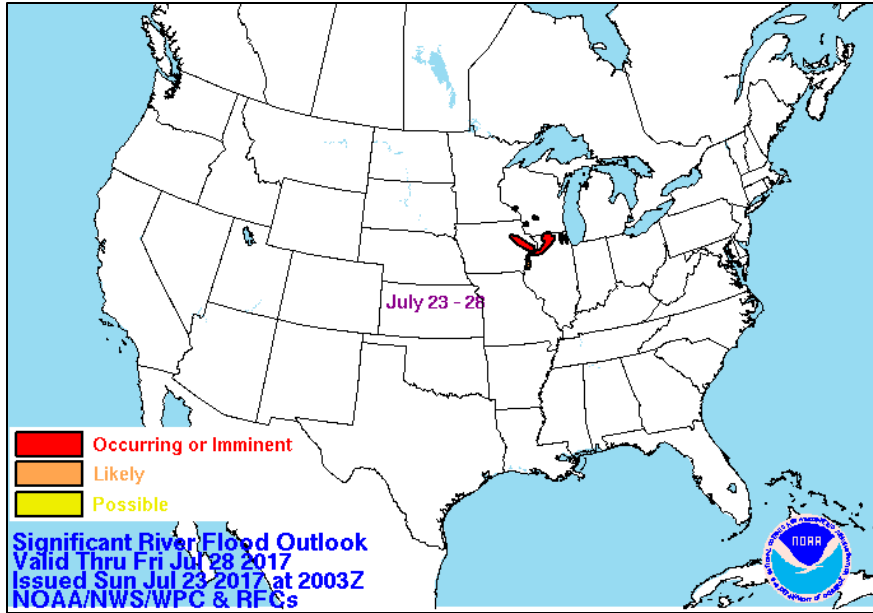
## Alaska Weather

Small Craft Advisories are in effect throughout the western and northern coasts of Alaska, from the Kuskokwim Delta and Etolin Strait to Demarcation Point. Small Craft Advisories are also in effect for the Pribilof Islands, the Shelikof Strait, and the Cook Inlet. A Flood Advisory is in effect for the western Brooks Range. A Wind Advisory is in effect for the eastern Brooks Range. A High Surf Advisory is in effect for the Chukchi Sea Coast, the northern and western Arctic Coast, and Norton Sound. A Special Weather Statement for rapid river rise is in effect for the eastern Brooks Range and North Slope regions.

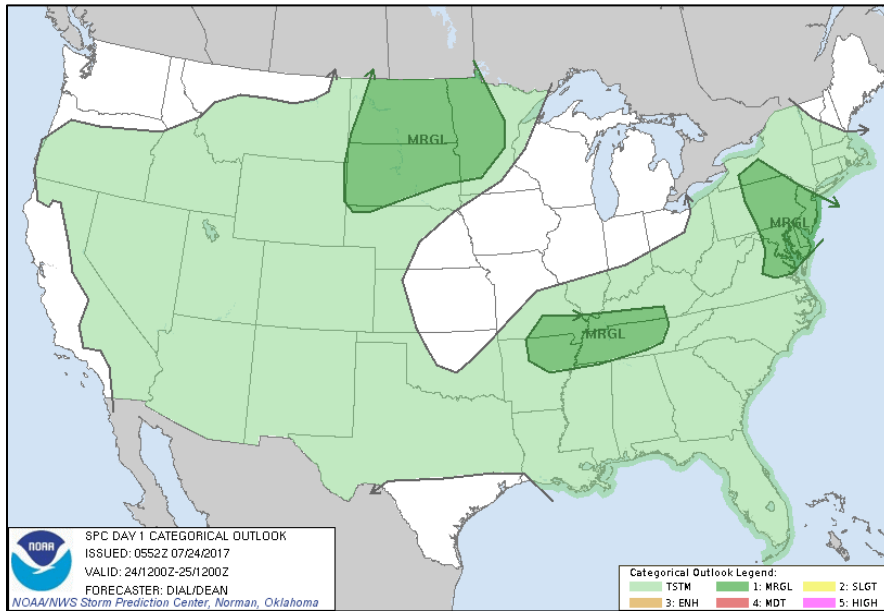


## Significant River Flooding

Significant River Flooding is occurring or imminent in southwestern Wisconsin, northern Illinois, and eastern Iowa. Significant River Flooding is likely along the Mississippi River in southeastern Iowa and western Illinois.



### Severe Weather

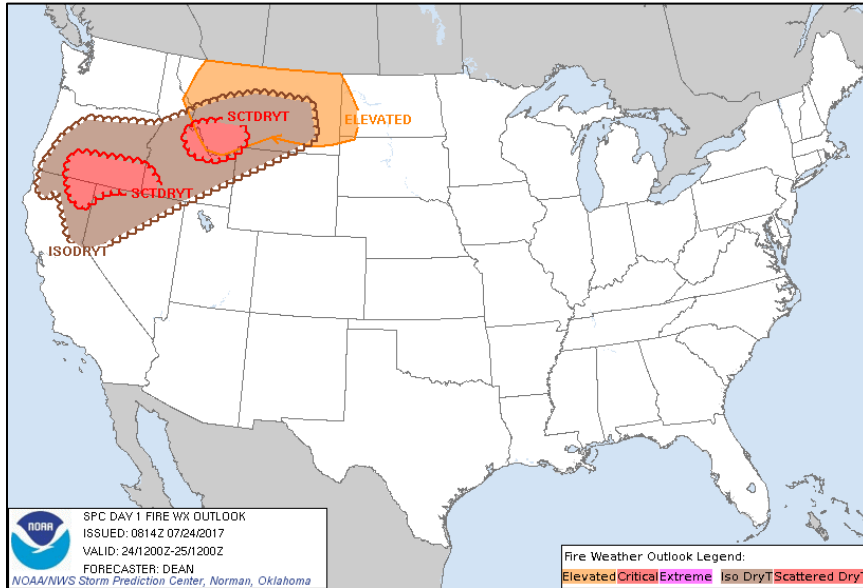


There is a Marginal Risk of severe thunderstorm activity today over portions of the northern Plains, the upper and middle Mississippi Valley, the mid-Atlantic, and the Ohio and Tennessee valleys.

### Tornado Weather

There is less than a 2-percent chance of tornado activity today across the United States.

## Fire Weather

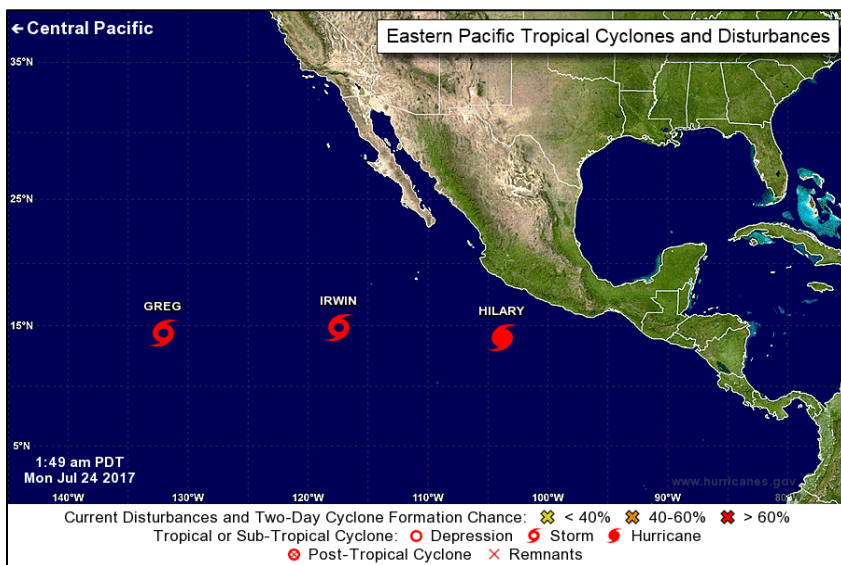


There is Critical Fire Weather today as scattered dry thunderstorms are expected across southern Oregon, northeastern California, northwestern Nevada, portions of eastern and western Idaho, and southwestern Montana. Additionally, Isolated Dry Thunderstorms are expected from northern California across the central and northern Great Basins into the northern Rockies. Elevated Fire Weather is expected across Montana and western North Dakota.

## Tropical Weather Activity

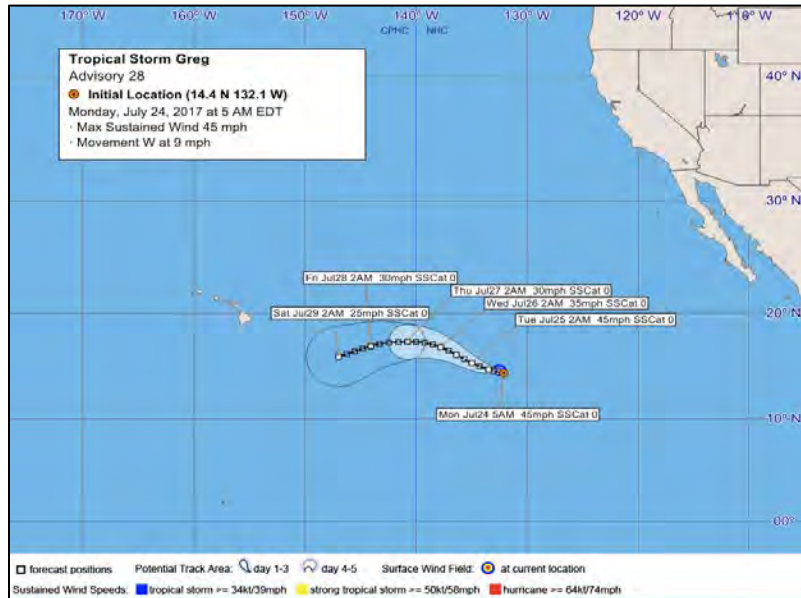
Source: National Weather Service/National Hurricane Center – July 24, 2017

## Eastern Pacific Ocean





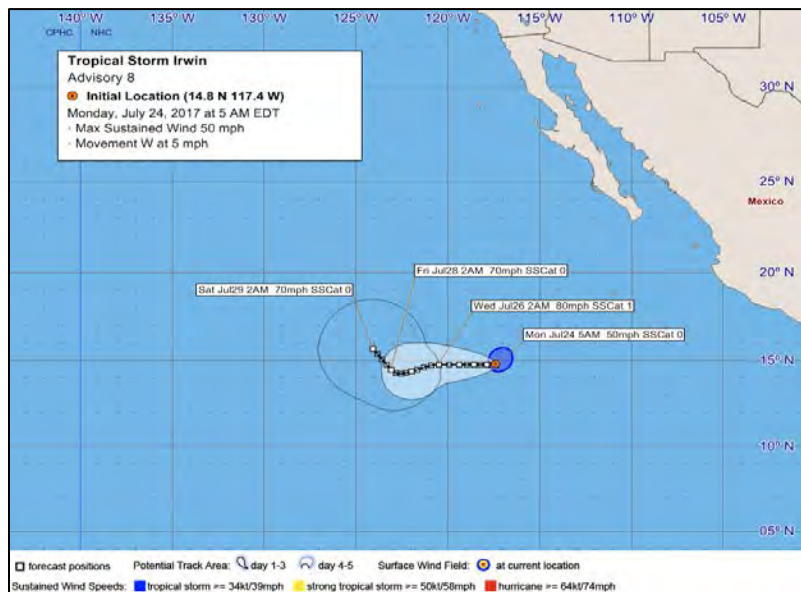
## Tropical Storm Greg



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Greg was located approximately 1,565 miles west-southwest of the southern tip of Baja California, Mexico, and moving toward the west at 9 miles per hour (mph). This general motion is expected to continue today, with a turn toward the west-northwest tonight and Tuesday. Maximum sustained winds are near 45 mph, with higher gusts, and gradual weakening is expected during the next 48 hours. Greg is likely to become a tropical depression by Wednesday. There are no coastal watches or warnings in effect.

## Tropical Storm Irwin



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Irwin was located approximately 745 miles southwest of the southern tip of Baja California, Mexico, and moving toward the west-northwest at 5 mph. Irwin is expected to continue moving west with a decrease in forward speed, then strengthen into a hurricane on Tuesday. Maximum sustained winds are near 50 mph, with higher gusts. There are no coastal watches or warnings in effect at this time.

## Hurricane Hilary



HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Hilary was located approximately 345 miles south of Manzanillo, Mexico, and moving toward the west-northwest at 8 mph. Hilary is expected to continue in this general direction before strengthening into a major hurricane on Tuesday. Maximum sustained winds have increased to near 75 mph, with higher gusts. There are no coastal watches or warnings in effect at this time.

## Atlantic Ocean

Tropical cyclone activity is not expected during the next 48 hours.

***\*End of Report\****

### Distribution:

Assistant Secretaries  
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EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, July 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

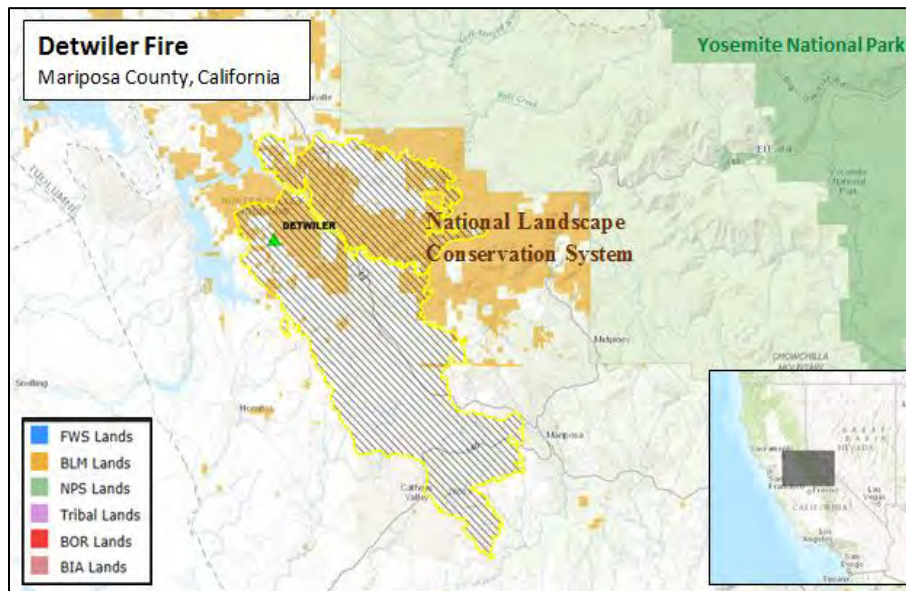
*Source: Fire and Aviation Management Website - July 25, 2017*

## California

### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 78,900 (+2,650)
- Containment: 60-percent (+15)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 5,013 (-30) / 132 (+19)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was described as active during this reporting period, and additional perimeter spread is expected. The communities around Dogtown and Greeley Hill remain threatened, and evacuation orders and advisories are in effect. The fire has destroyed sixty-three residences. Road closures on Highway 49 continue to impede access to Yosemite National Park, and high power transmission lines, which supply power to the park, continue to be impacted by the fire. During the next operational period, fire crews will complete and improve fire lines, and re-population will continue as directed under the Incident Repopulation Plan. The demobilization of resources is expected to begin today.



IGEMS Image

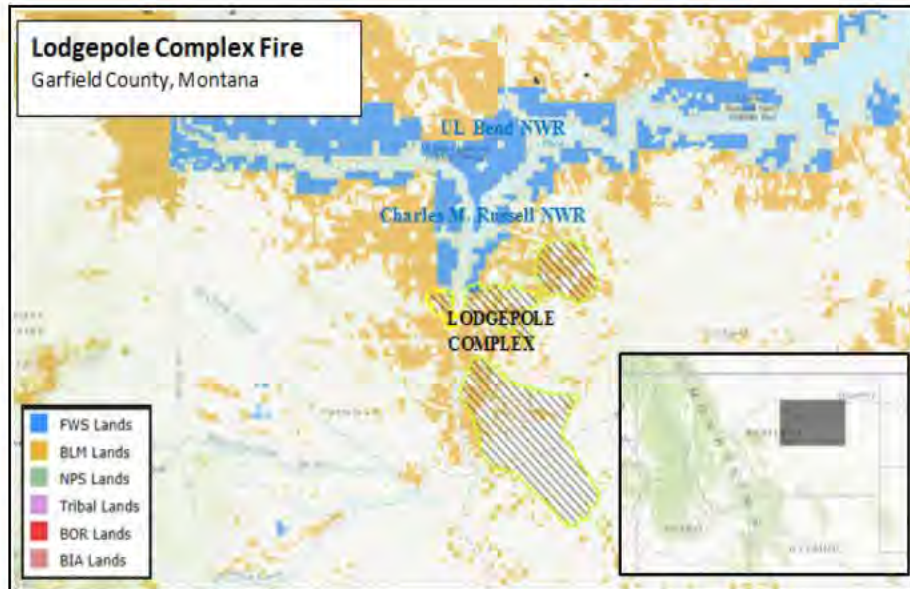
## Montana

### Lodgepole Complex Fire

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 250,000 (+24,000)
- Containment: 20-percent (+15)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 611 (+396) / 81 (+55)
- Structures Threatened-Single-Mixed Residential/Commercial: 145 (no change) / 0 (no change)
- Evacuations / Shelter in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 3 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+1) / 0 (no change)
- Containment Date: August 2

Comments: Fire behavior was described as active during this reporting period, and additional perimeter spread is likely over the next couple of days. The fire destroyed sixteen residences and numerous power poles in the area. Damage assessments will continue as fire behavior

allows. Response personnel will continue to establish containment lines and perform structure protection over the next operational period. Resource needs have been identified.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Martin Canyon	Blaine, ID	BLM	3	3,026	35%	July 26
Buffalo	Powder River, MT	BLM	3	2,000	0%	July 31
Microwave	Big Horn, MT	BIA	3	6,039	90%	July 27
Four Seasons Complex	Elko, NV	BLM	4	159,986	96%	July 24
Leonard Creek	Humboldt, NV	BLM	3	8,000	35%	July 28
Mahogany	Humboldt, NV	BLM	3	4,000	20%	July 28
Preacher	Douglas, NV	BLM	3	1,000	0%	July 29
Toulon	Pershing, NV	BLM	3	2,500	60%	July 26
Upper Mine	Harney, OR	BLM	3	2,500	0%	July 29

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 25, 2017

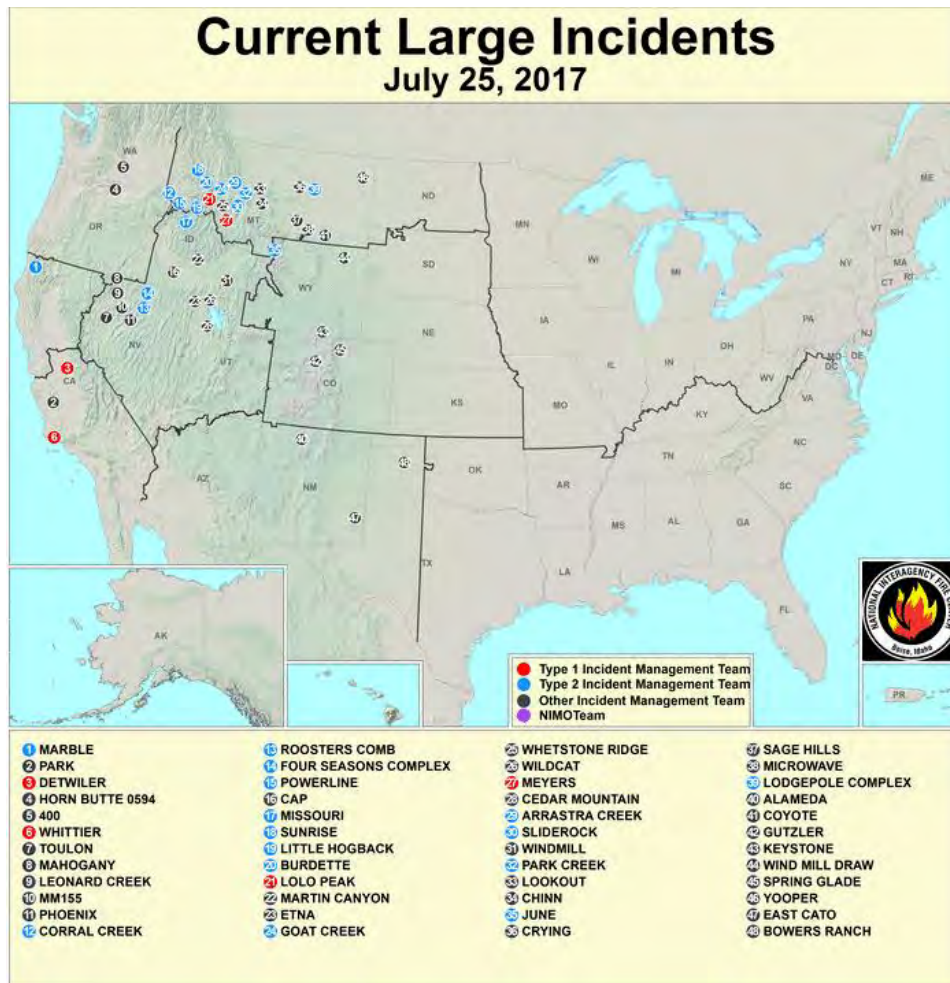
## National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (160 new fires)
New large fires:	11
Large fires contained:	7
Uncontained large fires: **	37
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	5
Type 2 IMTs committed:	8

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **U.S. Bureau of Reclamation Dam Response Activity**

### **Response Level 1 - Canyon Ferry Dam and Helena Valley Dam, Montana (Final)**

*Source: United States Bureau of Reclamation (USBR) - July 24, 2017*

On July 6, an Emergency Action Plan (EAP) Response Level 1 was declared at the Canyon Ferry Dam and the Helena Valley Dam in Montana due to the magnitude 5.8 earthquake that occurred near Lincoln, Montana on the same day. Since no issues or damages have been observed, the USBR has removed the facilities out of a Response Level 1 status and returned to normal operations. This will be the final report for these two dams.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 24, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

No activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslov, but continues to monitor satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network for signs of volcanic activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 24, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

No significant activity was observed in seismic or infrasound data from the Cleveland Volcano during the most recent observation period. Slightly elevated surface temperatures at the summit were observed in partly cloudy satellite images, and web-camera views were obscured by clouds.

### **Kilauea Volcano, HI**

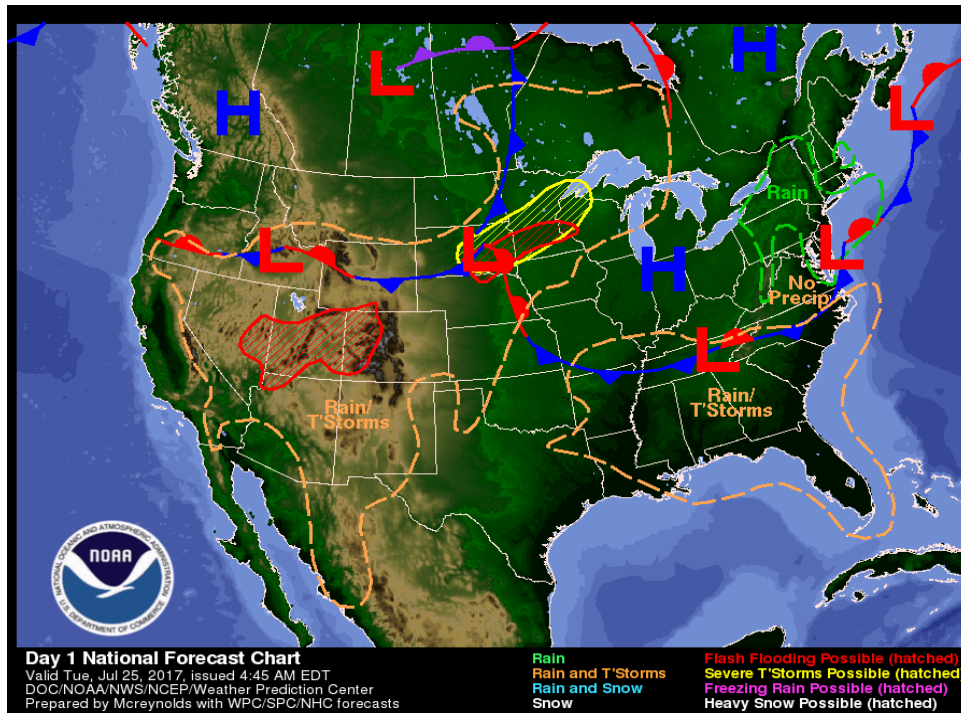
*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 24, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano.

## Significant National Weather

Source: National Weather Service - July 25, 2017



### **Today**

Scattered showers and thunderstorms will develop across the Southeast, Deep South, lower Mississippi Valley, and lower Tennessee Valley. Light rain showers will be possible for the central and northern Appalachians, parts of the central mid-Atlantic coast, and portions of the Northeast. Rain and thunderstorms will develop across the western Great Lakes and upper Midwest into the central Plains. Severe thunderstorms with damaging winds and large hail will be possible across portions of the northern Plains and the upper Mississippi Valley this afternoon and evening. Expect rain to produce localized areas of flooding and flash flooding from the northern Plains to the upper Midwest. Additional heavy rain, associated with the ongoing monsoon season, will continue across parts of the Great Basin and Four Corners region.

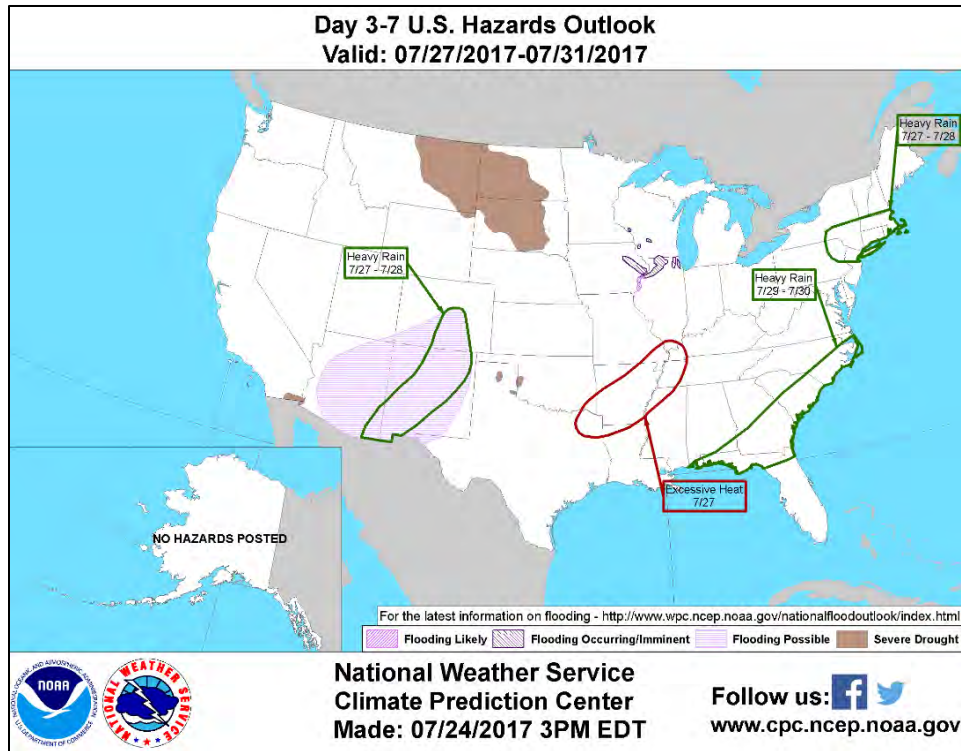
### **Tomorrow**

Expect rain and thunderstorms across the Carolinas, Southeast, and portions of the Deep South. A large area of scattered showers and thunderstorms will develop from northern New England and portions of the Northeast across the Great Lakes to the central Plains. Scattered strong to severe thunderstorms will be possible across portions of the upper Great Lakes and Midwest regions. Heavy rain and flash flooding will be possible across most of Iowa and immediate surrounding states. Afternoon and evening monsoon related showers and thunderstorms will develop over the Southwest, Rockies, and Great Basin. Heavy rains and flash flooding are forecast from central Colorado south into northern New Mexico. A few severe



thunderstorms may also occur across a portion of the Intermountain West, including parts of the Great Basin.

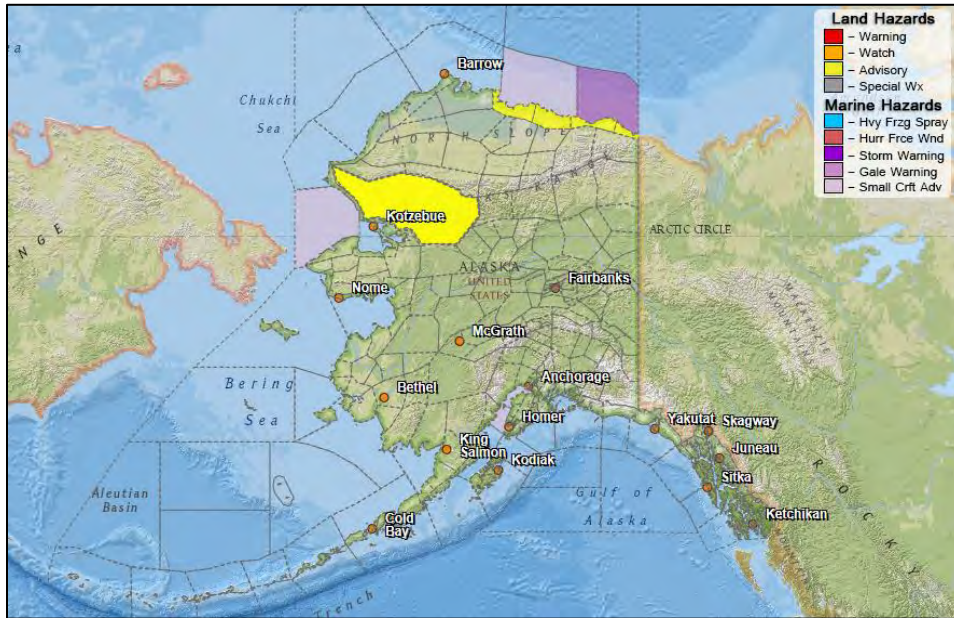
## Weather Hazard Assessment



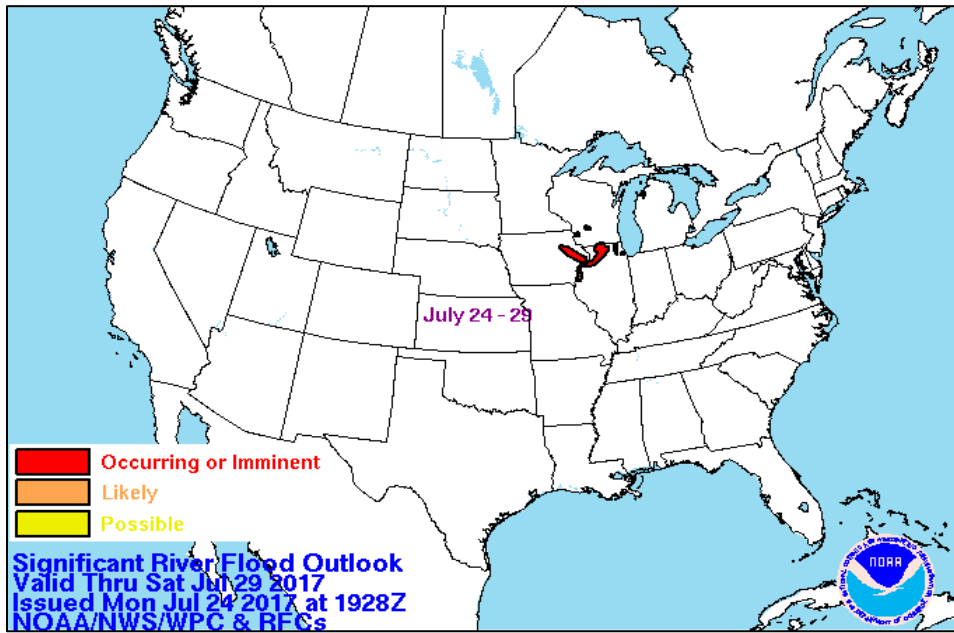
- July 25: Severe drought across parts of the Great Plains, Arizona, California, and Hawaii.
- July 25: Flooding is likely, occurring, or imminent across portions of the upper and middle Mississippi Valley and the Great Lakes.
- July 25: Flooding is possible across portions of the central and southern Plains, the central and southern Rockies, the central Great Basin, and the Southwest.
- July 27: Excessive heat across portions of the lower and middle Mississippi Valley, the southern Plains, the Ohio Valley, and the Tennessee Valley.
- July 27-28: Heavy rain across portions of the Southwest, the central and southern Rockies, and the central and southern Plains.
- July 27-28: Heavy rain across portions of the Northeast.
- July 29-30: Heavy rain across portions of the Southeast and the mid-Atlantic.

## Alaska Weather

A Small Craft Advisory is in effect for portions of the Cook Inlet, from Wales to Cape Thompson, and from Cape Halkett to Flaxman Island. A Gale Warning is in effect from Flaxman Island to Demarcation Point. A High Surf Advisory is in effect from Nuiqsut to Demarcation Bay, and a Flood Advisory is in effect for portions of the Kobuk and Noatak valleys.

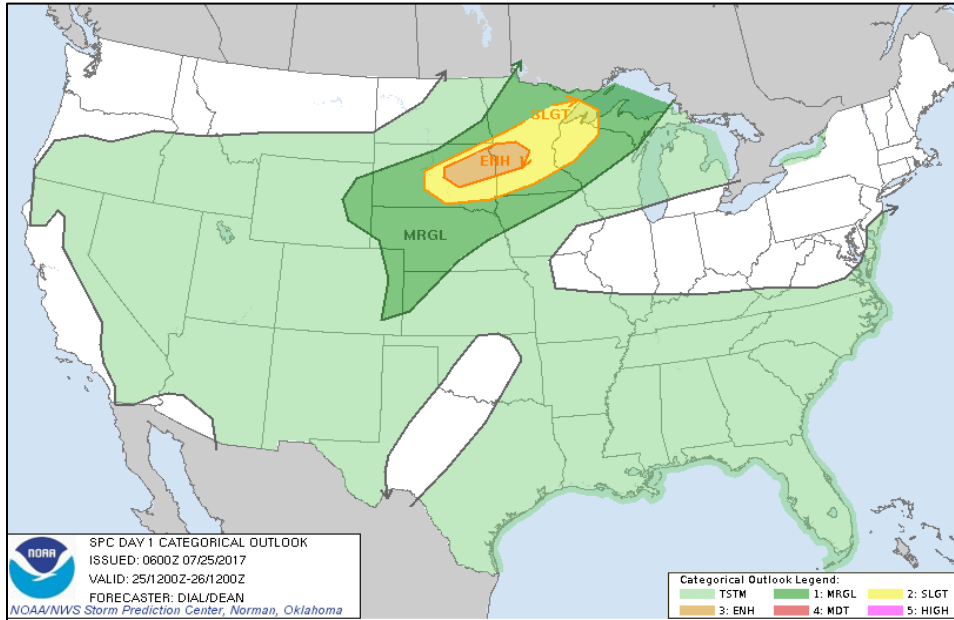


**Significant River Flooding**



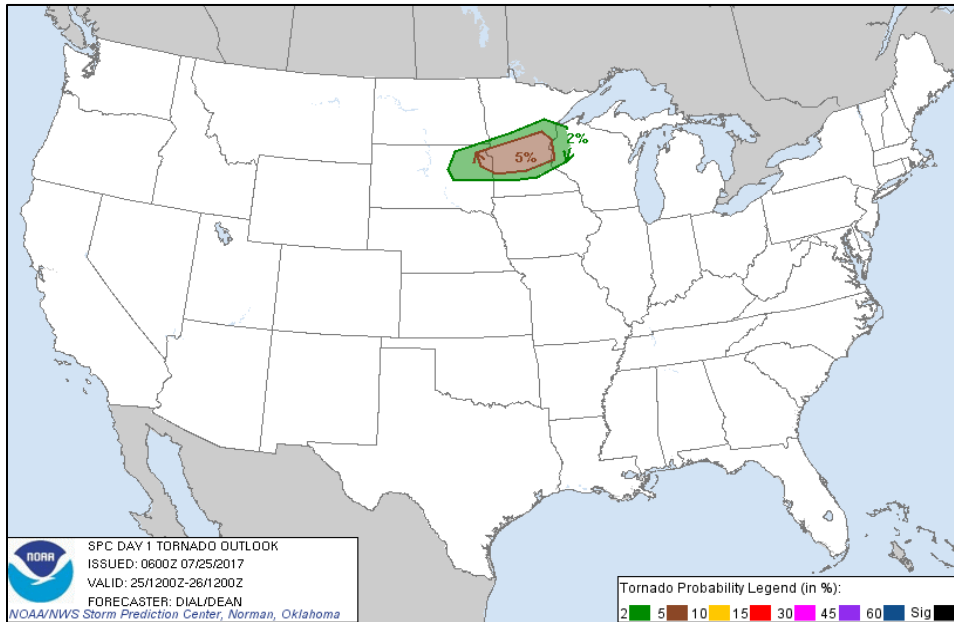
Significant River Flooding is likely, occurring, or imminent across portions of northern Illinois, eastern Iowa, and southern Wisconsin.

## Severe Weather



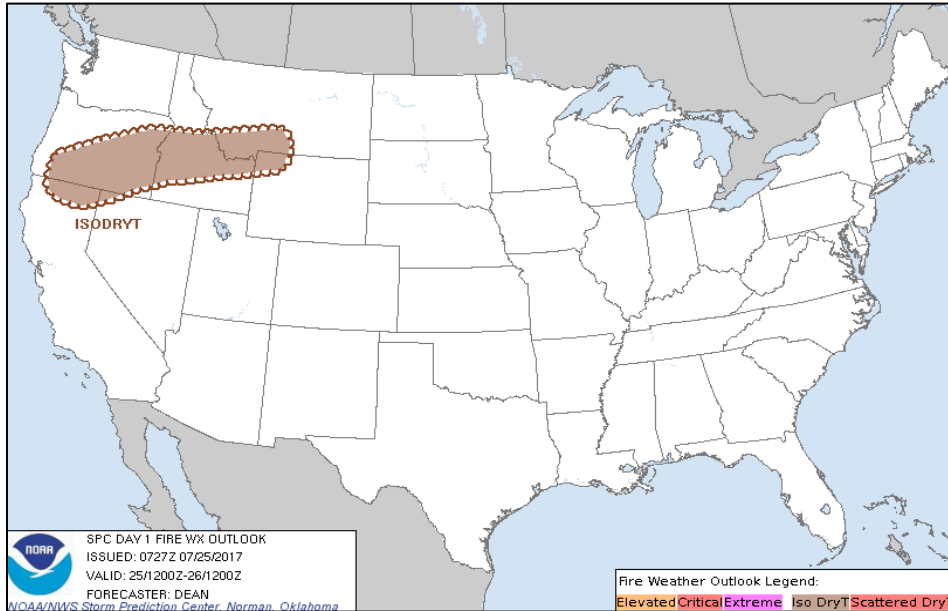
There is an Enhanced Risk of severe thunderstorm activity today from eastern South Dakota to central Minnesota. There is a Slight Risk of severe thunderstorms from central South Dakota to northern Wisconsin. There is a Marginal Risk of severe thunderstorm activity from the central and northern Plains to the upper Great Lakes.

## Tornado Weather



There is a 2 to 5-percent chance of tornado activity today from eastern South Dakota to northwestern Wisconsin.

## Fire Weather

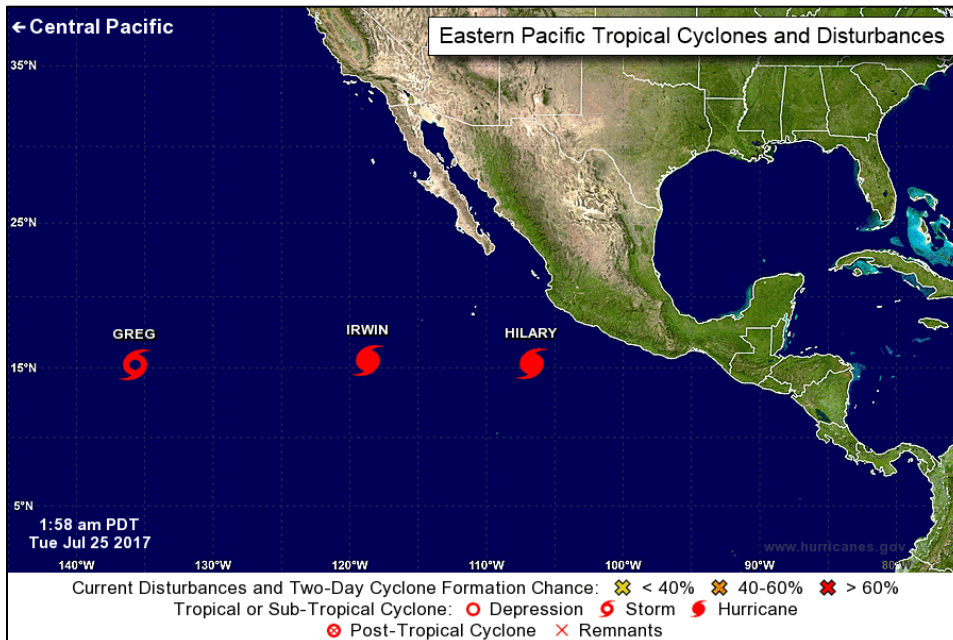


There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northwestern Nevada, Oregon, Idaho, northwestern Wyoming, and southwestern Montana.

## Tropical Weather Activity

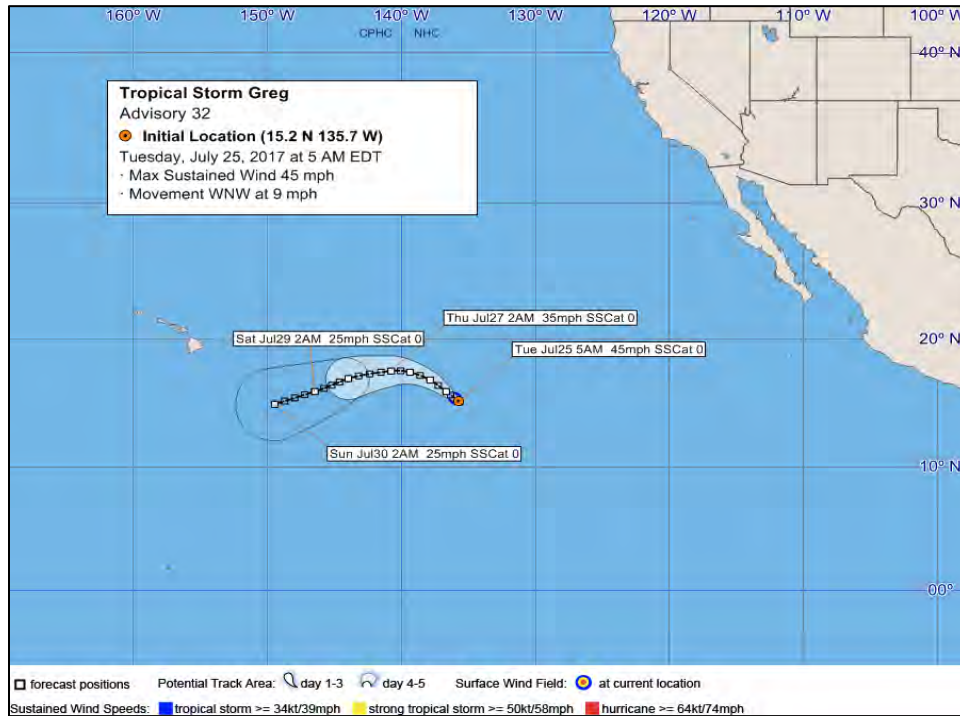
Source: National Weather Service/National Hurricane Center – July 25, 2017

## Eastern Pacific Ocean



## Tropical Storm Greg

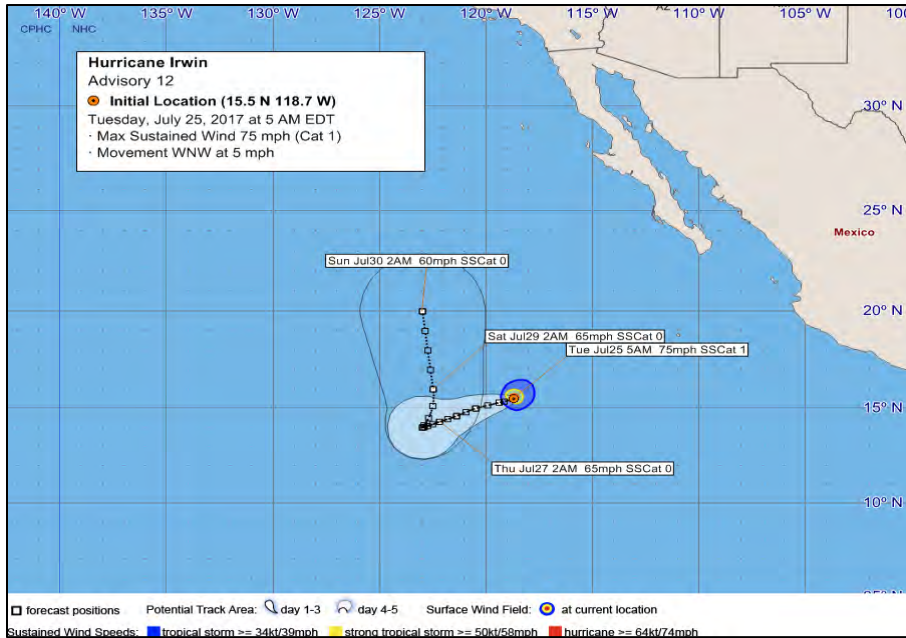
As of 5:00 a.m. EDT, Tropical Storm Greg was located approximately 1,345 miles east of South Point, Hawaii and moving toward the west-northwest at 9 miles per hour (mph). A turn toward the northwest is expected later today, followed by a gradual turn to the west by Wednesday night. Maximum sustained winds are near 45 mph, with higher gusts, and gradual weakening is expected during the next 48 hours. Greg is expected to become a tropical depression by Wednesday. There are no coastal watches or warnings in effect.



*HURREVAC Image*

## Hurricane Irwin

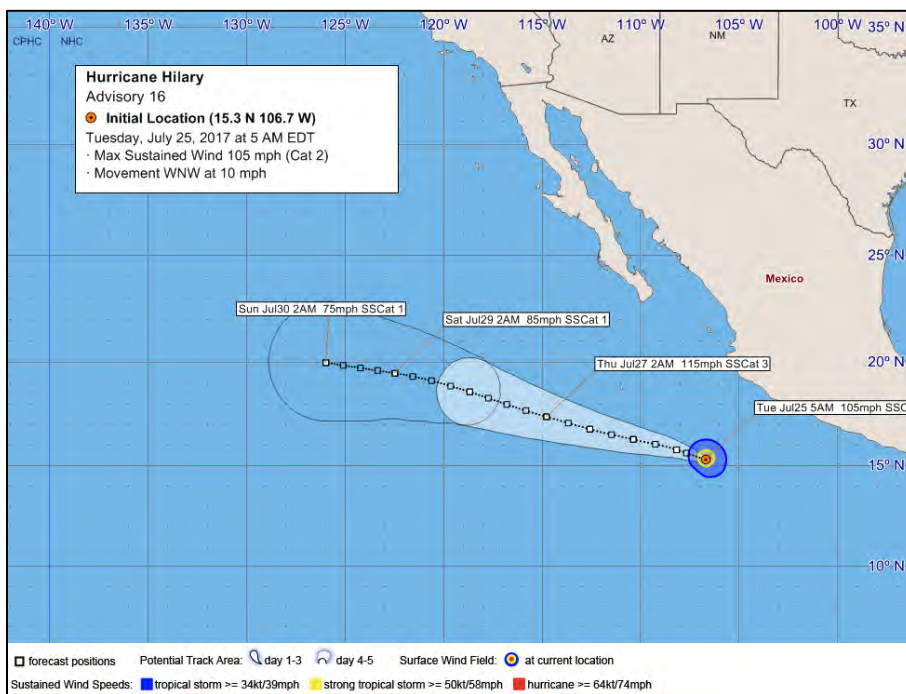
As of 5:00 a.m. EDT, Hurricane Irwin was located approximately 770 miles southwest of the southern tip of Baja California, Mexico and moving toward the west-northwest at 5 mph. A turn toward the west is expected today, followed by a turn toward the west-southwest Wednesday. Maximum sustained winds are near 75 mph, with higher gusts. There are no coastal watches or warnings in effect at this time.



HURREVAC Image

## Hurricane Hilary

As of 5:00 a.m. EDT, Hurricane Hilary was located approximately 360 miles south-southwest of Cabo Corrientes, Mexico and moving toward the west-northwest at 10 mph. This general motion is expected to continue over the next 48 hours. Maximum sustained winds have increased to near 105 mph, with higher gusts, and Hilary is expected to become a major hurricane today. There are no coastal watches or warnings in effect at this time.



HURREVAC Image

**Atlantic Ocean**

Tropical cyclone activity is not expected during the next 48 hours.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, July 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 26, 2017*

The **Four Seasons Complex Fire** in Nevada reached 100-percent containment and will no longer be summarized in this report. An updated Incident Status Summary (ICS-209) for the **Toulon Fire**, also in Nevada, was not provided; therefore, the fire will not be summarized today.

## California

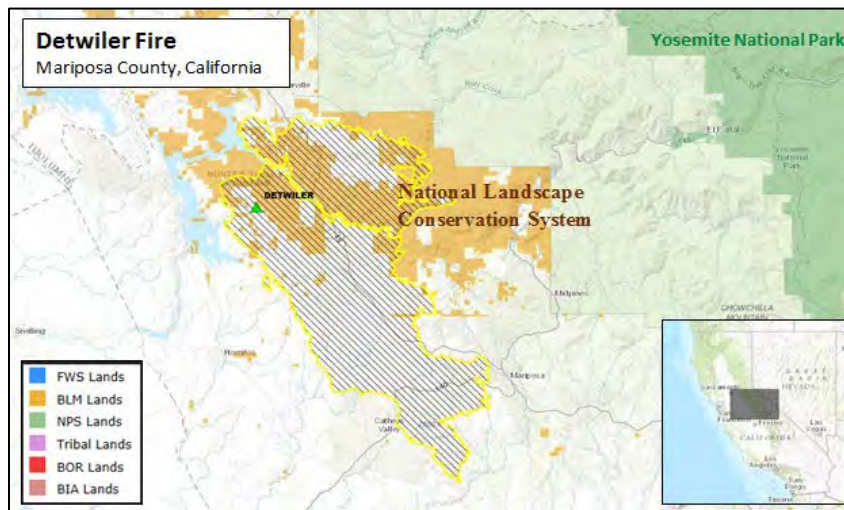
### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 80,000 (+1,100)
- Containment: 65-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 4,495 (-518) / 123 (-9)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)



- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was described as moderate during this reporting period, and additional perimeter spread is expected. Communities, transportation routes, and power infrastructure located to the northeast of the fire continue to be threatened, including transmission lines that supply Yosemite National Park with power. Evacuation orders and advisories remain in effect, and evacuation centers have been established to assist those who have been displaced by the fire. During the next operational period, fire crews will continue to complete and improve fire lines.



IGEMS Image

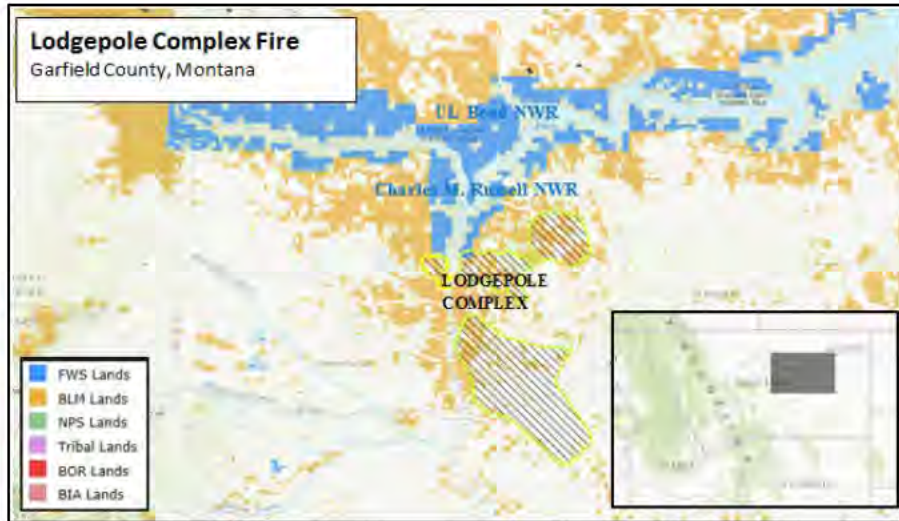
## Montana

### Lodgepole Complex Fire

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 270,000 (+20,000)
- Containment: 34-percent (+14)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 656 (+45) / 96 (+15)
- Structures Threatened-Single-Mixed Residential/Commercial: 145 (no change) / 0 (no change)
- Evacuations / Shelter in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 3 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: August 2

Comments: Fire behavior was described as active during this reporting period, with short-range spotting and smoldering. In addition to the residences, the fire is threatening sage-grouse habitat

and power infrastructure. The number of homes destroyed remains at 16. Warmer and drier conditions are forecast for today, and a cold front on Thursday could bring high winds to the fire area and a potential for large fire growth. Response personnel will continue to establish containment lines and perform structure protection over the next operational period. The need for additional resources is not anticipated at this time.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Martin Canyon	Blaine, ID	BLM	3	4,072	70%	July 26
Buffalo	Powder River, MT	BLM	3	3,107	0%	July 31
Coffee Pot	Carter, MT	BLM	3	1,960	0%	July 25
Microwave	Big Horn, MT	BIA	3	6,039	90%	July 27
Hot Springs	Humboldt, NV	BLM	4	1,000	80%	July 26
Leonard Creek	Humboldt, NV	BLM	3	3,545	35%	July 28
Mahogany	Humboldt, NV	BLM	3	4,500	20%	July 28
Potato	Eureka, NV	BLM	4	1,000	40%	July 27
Preacher	Douglas, NV	BLM	3	4,651	20%	July 29
Upper Mine	Harney, OR	BLM	3	4,800	0%	July 31

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 26, 2017

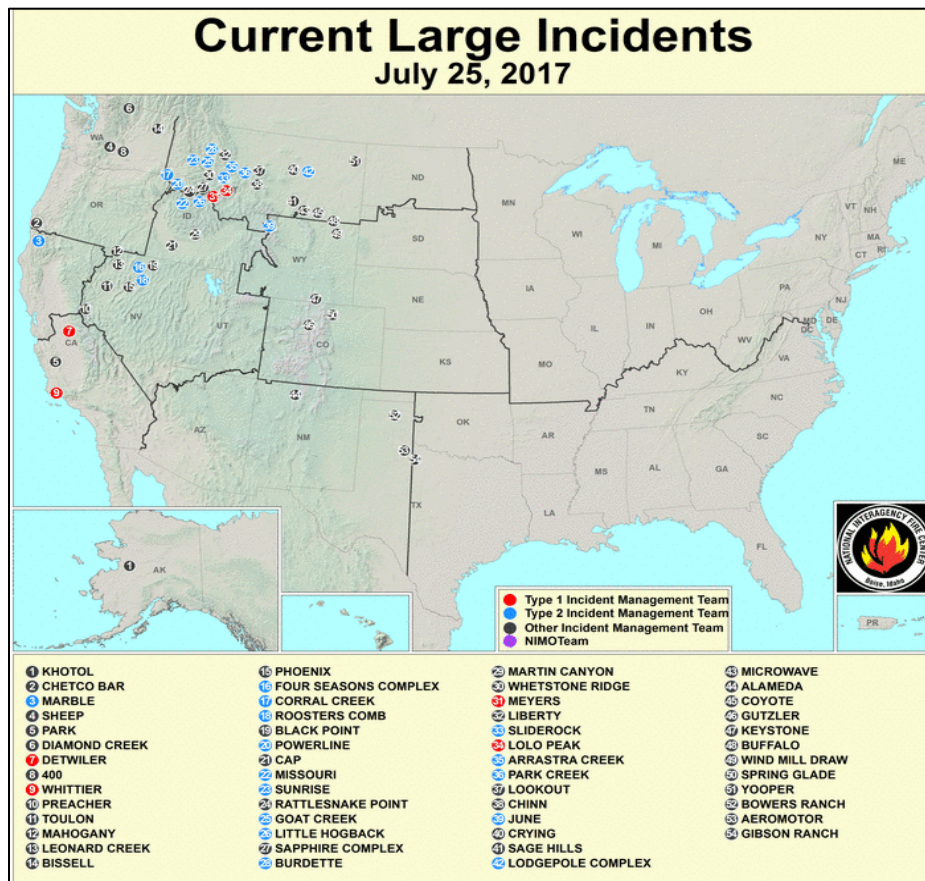
## National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (160 new fires)
New large fires:	14
Large fires contained:	12
Uncontained large fires: **	40
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	5
Type 2 IMTs committed:	10

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslov, but continues to monitor satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network for signs of volcanic activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in seismic, satellite, or infrasound data from the Cleveland Volcano during the most recent observation period. On Tuesday morning, web-camera views showed a weak steam plume emanating from the summit crater of the volcano.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano or ground tilt. At the summit, the lava lake level was observed to be about 89 feet below the rim of the Overlook Crater on Tuesday morning.

## **Earthquake Activity**

*Source: U.S. Geological Survey – July 26, 2017*

On July 26, at 6:32 a.m. EDT, the U.S. Geological Survey (USGS) reported a magnitude 5.9 earthquake 108 miles south-southeast of Naze, Japan, at a depth of 6 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. There was no tsunami generated from this event.

## ***Significant National Weather***

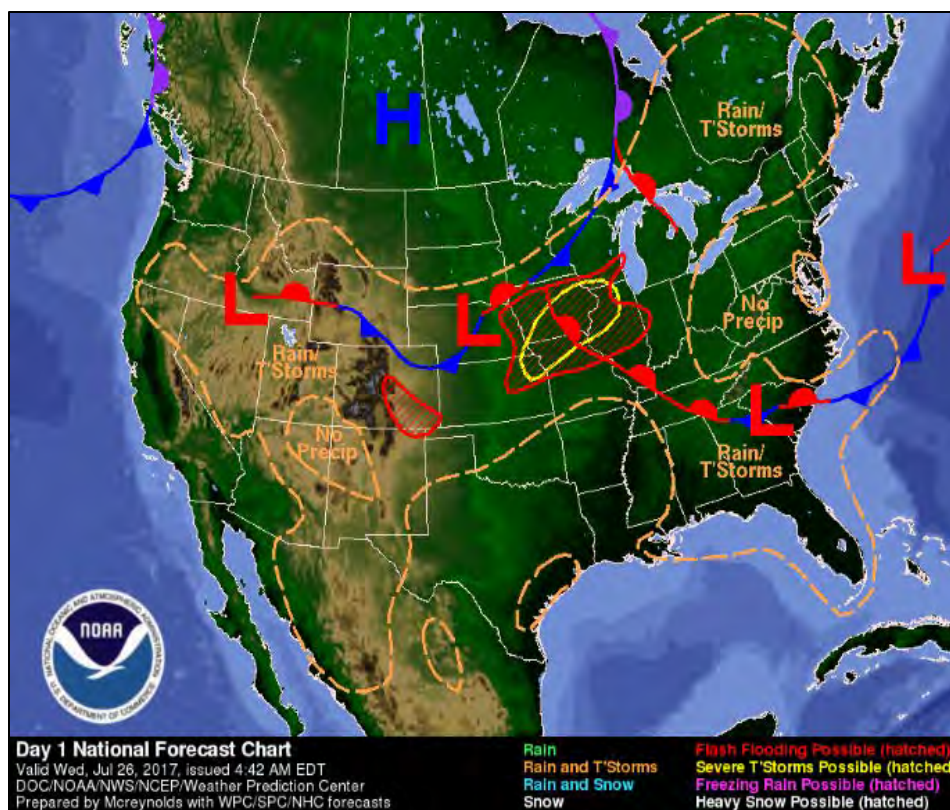
*Source: National Weather Service - July 26, 2017*

### **Today**

An easterly flow across the Delmarva Peninsula region will produce light rain showers. To the south, showers and thunderstorms will develop again over the Southeast, portions of the South, and the southern Appalachians. Rain and thunderstorms will extend from eastern Canada and northern New England back across the Great Lakes, Midwest, into the central Plains. Scattered thunderstorms, a few capable of producing locally strong to severe wind gusts, are expected over portions of the Midwest this afternoon and evening. Rain and thunderstorms across portions of the Midwest and upper Midwest are expected to produce heavy rain today and tonight. Localized flooding and flash flooding will be a concern. Monsoon related afternoon and evening showers and thunderstorms will develop once again across the Four Corners, the Rockies, and the Great Basin. Thunderstorms may also produce a few locally strong to damaging wind gusts from a portion of Nevada into southern Oregon. Additional heavy rain and flash flooding is forecast for parts of eastern Colorado and the surrounding area.

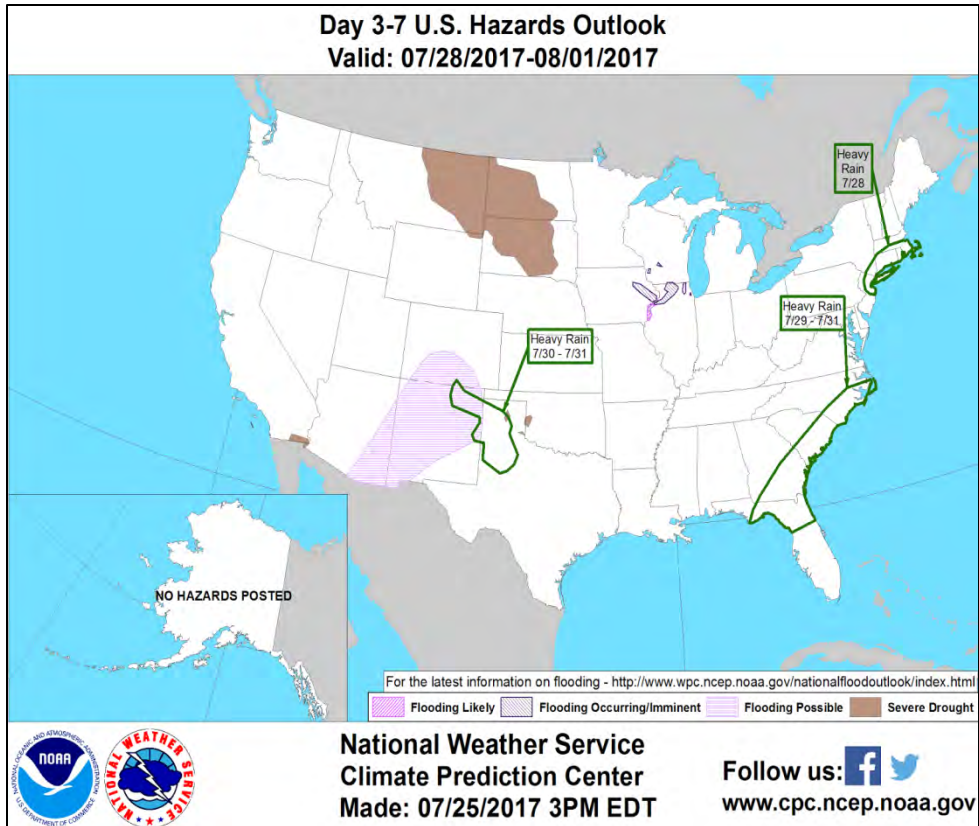
### **Tomorrow**

Showers and thunderstorms are expected to develop again over the Southeast and portions of the South. A large area of rain and thunderstorms will also develop from New England back through the Northeast into the Ohio Valley, the southern Appalachians, the mid-Mississippi Valley, and the southern Plains. Strong to locally severe thunderstorms are forecast to spread across the Ohio and Tennessee valleys, central Appalachians, and into the mid-Atlantic region tomorrow afternoon and evening. There will also be a threat of flash flooding for the lower Ohio Valley. Elsewhere, the strong monsoonal flow will continue from Mexico to the northern Rockies, where afternoon and evening showers and thunderstorms will be common. Isolated severe thunderstorm risk may also evolve across the northern Intermountain region tomorrow afternoon and evening. Flash flooding will be a concern from south-central Colorado southwest to far southeastern Arizona.



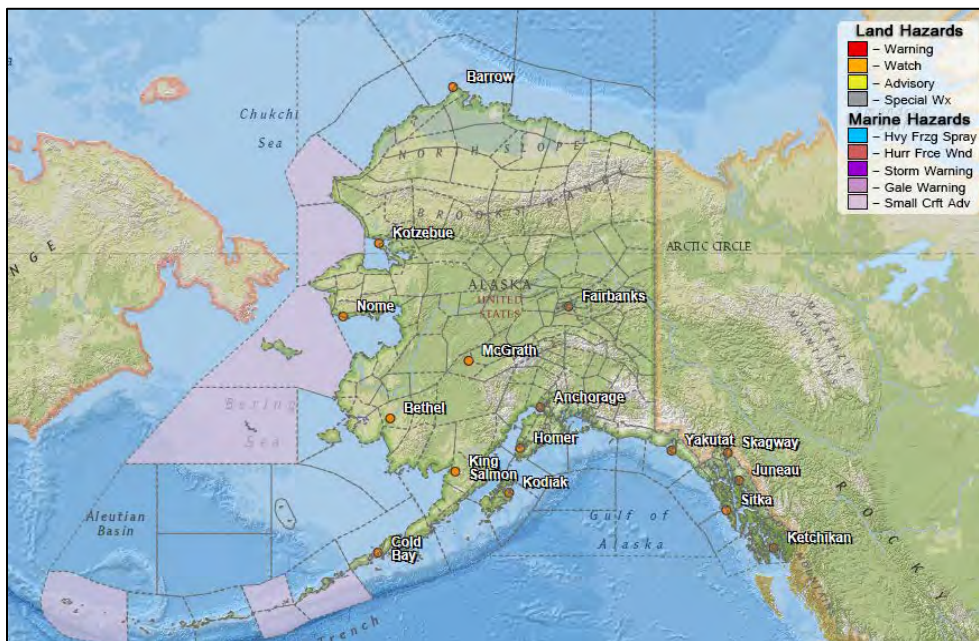
## Weather Hazard Assessment

- July 26: Flooding is likely, occurring, or imminent across portions of the upper and middle Mississippi Valley and the Great Lakes.
- July 26: Flooding is possible across portions of the central and southern Plains, the central and southern Rockies, the central Great Basin, and the Southwest.
- July 26: Severe drought across parts of the Great Plains, Arizona, California, and Hawaii.
- July 28: Heavy rain across portions of the mid-Atlantic and the Northeast.
- July 29-31: Heavy rain across portions of the Southeast and the mid-Atlantic.
- July 30-31: Heavy rain across portions of the central and southern Rockies and the central and southern Plains.
- August 2-3: Moderate risk of much above-normal temperatures for portions of the Central Valley of California.
- August 2-6: Slight risk of much above-normal temperatures for portions of the Great Basin, the northern Plains, the northern Rockies, California, the Pacific Northwest, and the Southwest.

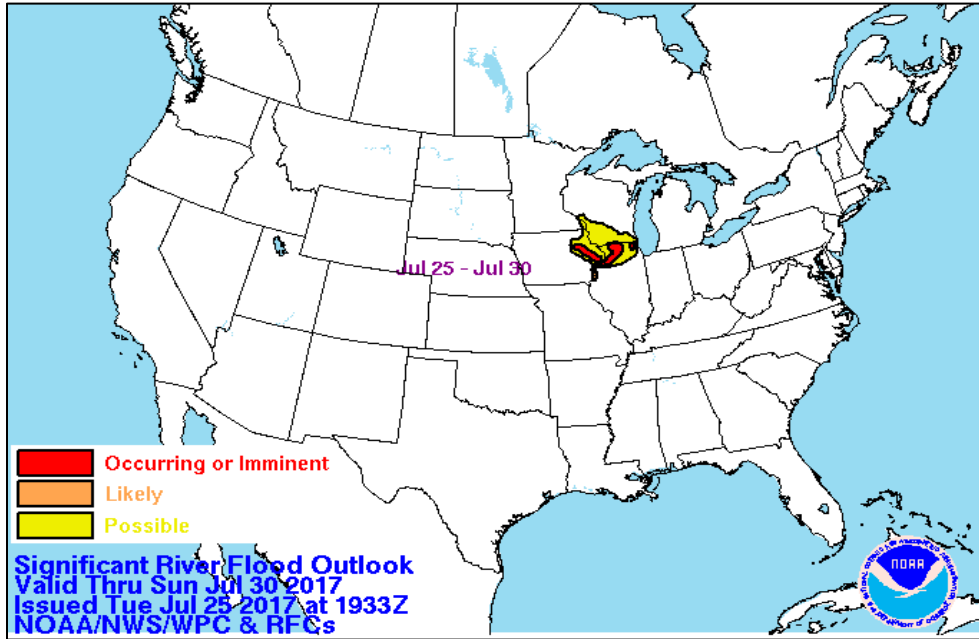


## Alaska Weather

A Small Craft Advisory is in effect for portions of the central and western Aleutian Islands, St. Matthew Island, St. Lawrence Island, and from Dall Point to Cape Beaufort.



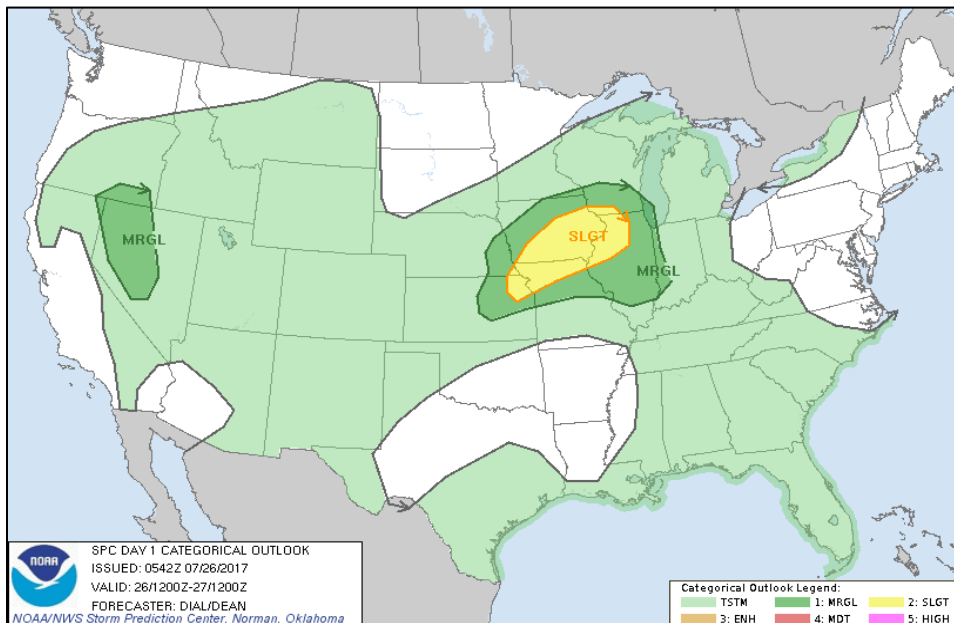
## Significant River Flooding



Significant River Flooding is likely, occurring, or imminent across portions of northern Illinois, eastern Iowa, and southern Wisconsin.

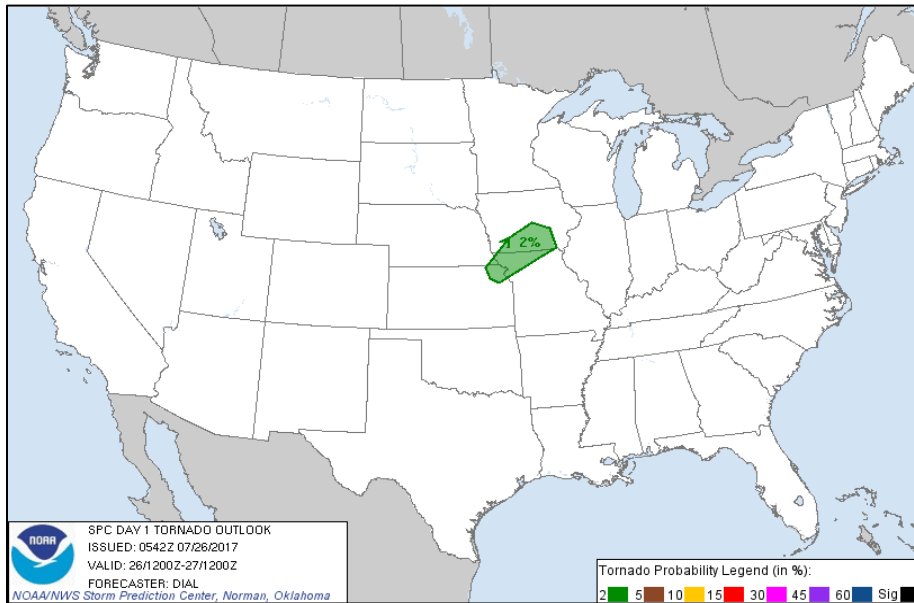
## Severe Weather

There is a Slight Risk of severe thunderstorm activity today from northeastern Kansas to southern Wisconsin. There is a Marginal Risk of severe thunderstorms from the central Plains into central Wisconsin, western Indiana, and from central Nevada to southeastern Oregon.





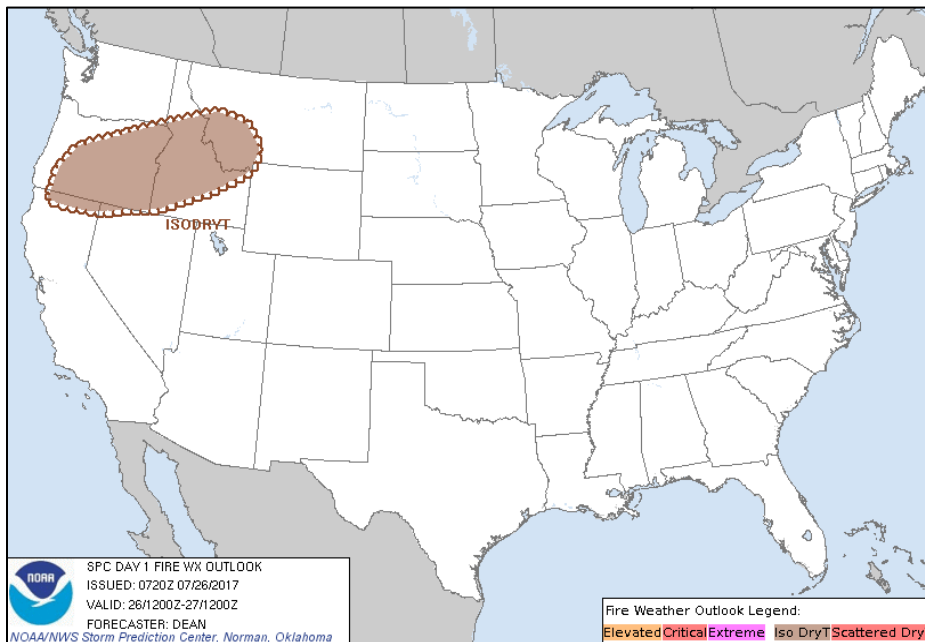
## Tornado Weather



There is a 2-percent chance of tornado activity today in northeastern Kansas, northern Missouri, southern Iowa, and southeastern Nebraska.

## Fire Weather

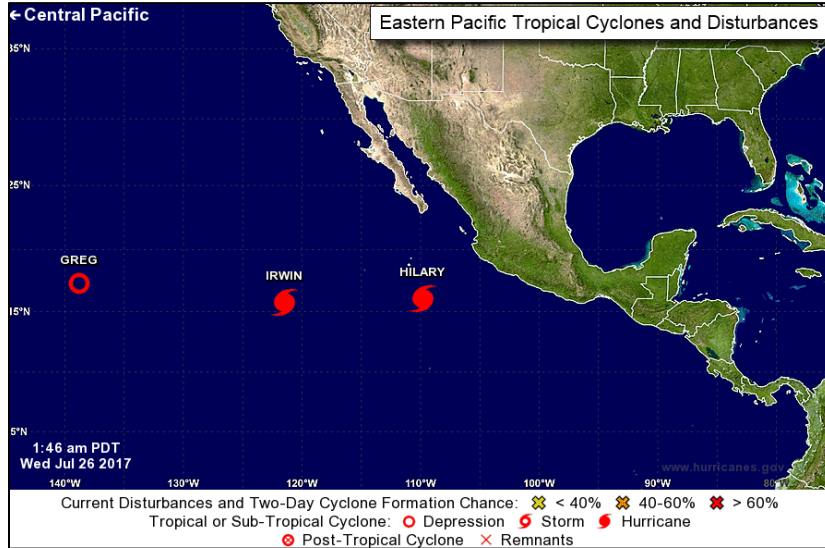
There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northwestern Nevada, Oregon, Idaho, and southwestern Montana.



## Tropical Weather Activity

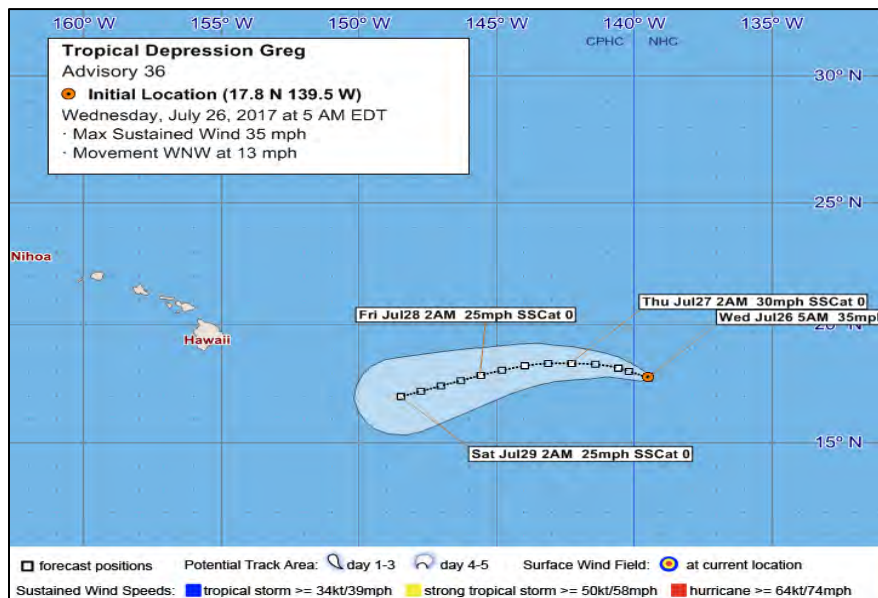
Source: National Weather Service/National Hurricane Center – July 26, 2017

### Eastern Pacific Ocean

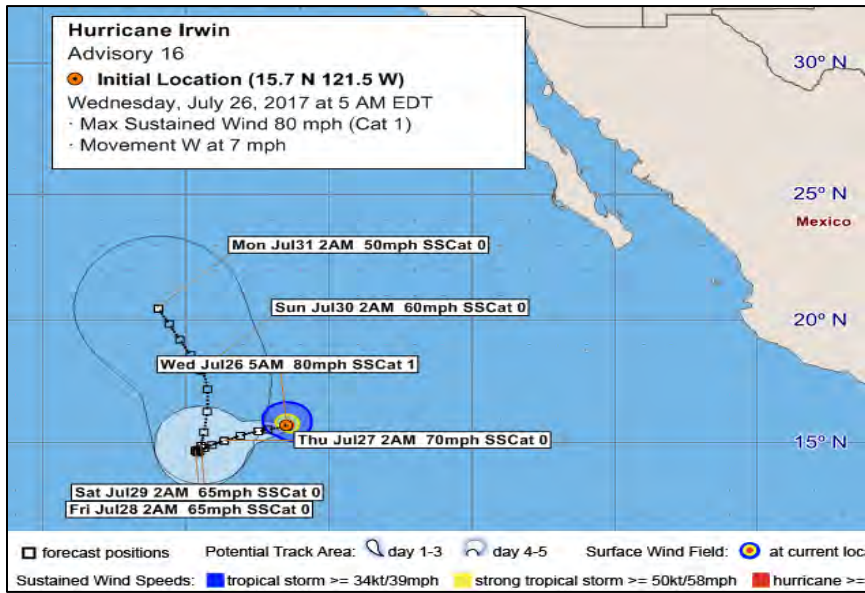


### Tropical Depression Greg

As of 5:00 a.m. EDT, Tropical Depression Greg was located approximately 1,065 miles east of South Point, Hawaii, and moving toward the west-northwest at 13 miles per hour (mph). This general motion is forecast to continue through today, followed by a gradual turn toward the west on Thursday. Maximum sustained winds are near 35 mph, with higher gusts, and a gradual weakening is expected during the next 48 hours. Greg is expected to degenerate into a remnant low by tonight. There are no coastal watches or warnings in effect.



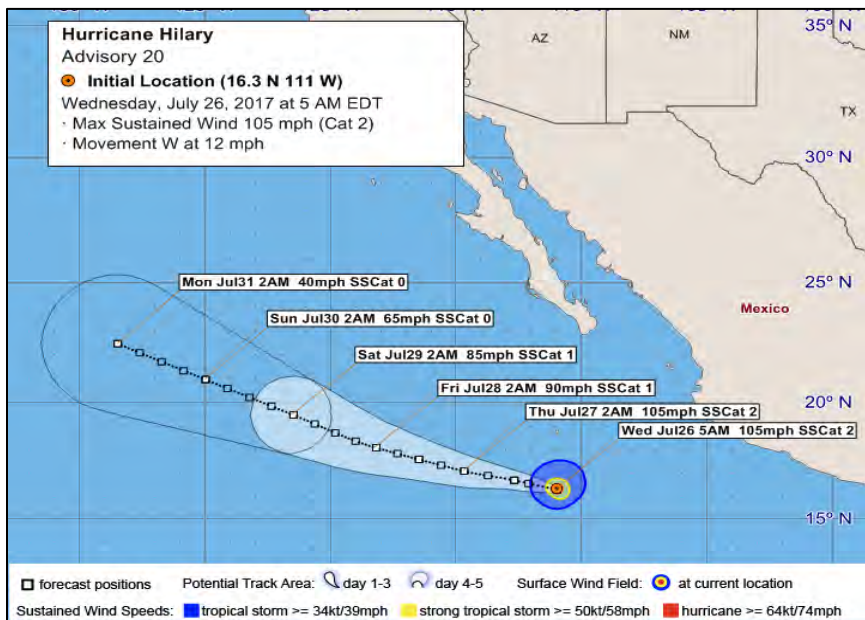
## Hurricane Irwin



HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Irwin was located approximately 905 miles west-southwest of the southern tip of Baja California, Mexico, and moving toward the west at 7 mph. This general motion is expected to continue during the next couple of days, with a gradual decrease in forward speed. Maximum sustained winds are near 80 mph, with higher gusts, and a gradual weakening is forecast for the next few days. There are no coastal watches or warnings in effect at this time.

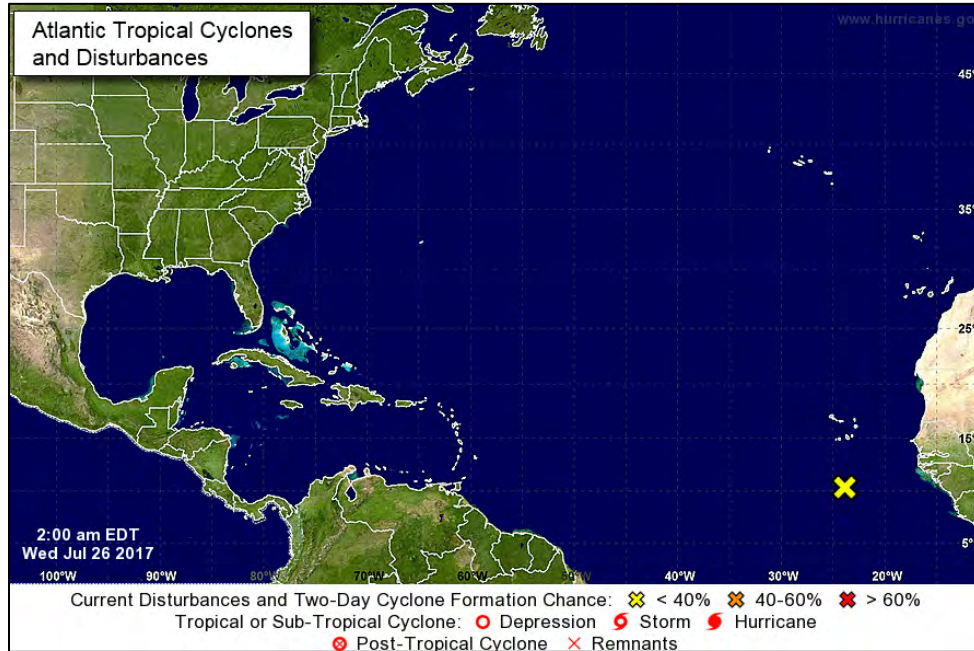
## Hurricane Hilary



*HURREVAC Image*

As of 5:00 a.m. EDT, Hurricane Hilary was located approximately 460 miles south of the southern tip of Baja California, Mexico, and moving toward the west at 12 mph. This general motion is expected to continue for the next couple of days. Maximum sustained winds are 105 mph, with higher gusts, and some strengthening is possible today, followed by a gradual weakening through Friday. There are no coastal watches or warnings in effect at this time.

**Atlantic Ocean**



A tropical wave, located a few hundred miles south of the Cabo Verde Islands, is producing disorganized showers and thunderstorms. Some slow development of this system is possible this weekend as it moves westward at 10 to 15 mph. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, July 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - July 27, 2017*

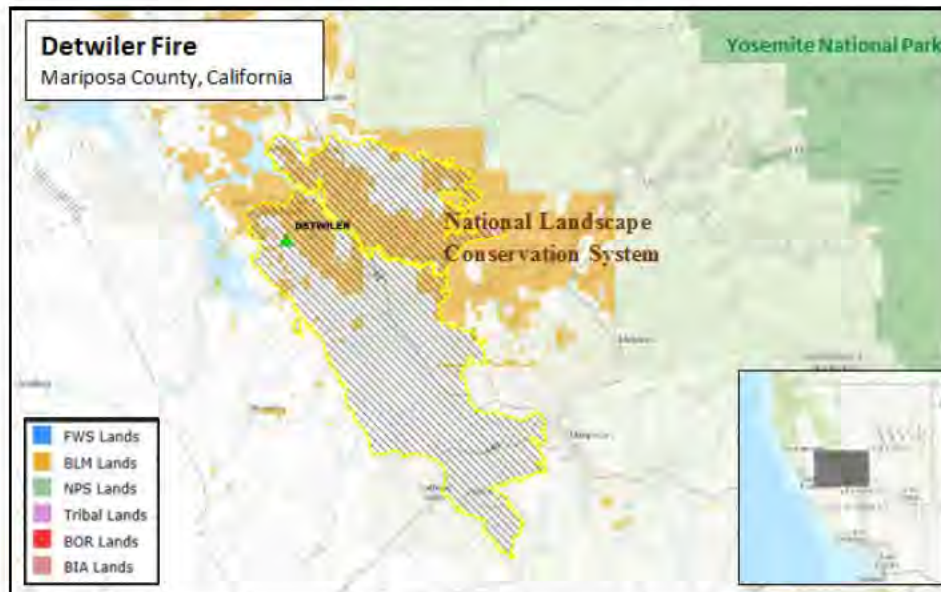
The **Coffee Pot Fire** in Montana, the **Potato Fire** and **Hot Springs Fire** in Nevada, reached 100-percent containment and will no longer be summarized in this report.

## California

### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 81,250 (+1,250)
- Containment: 70-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 4,279 (-216) / 122 (-1)
- Structures Threatened-Single-Mixed Residential/Commercial: 1,500 (no change) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was described as minimal during this reporting period. Communities, transportation routes, and power infrastructure located to the northeast of the fire continue to be threatened, including transmission lines that supply Yosemite National Park with power. Evacuation orders and advisories remain in effect, and evacuation centers have been established to assist those who have been displaced by the fire. During the next operational period, fire crews will continue to complete and improve fire lines.



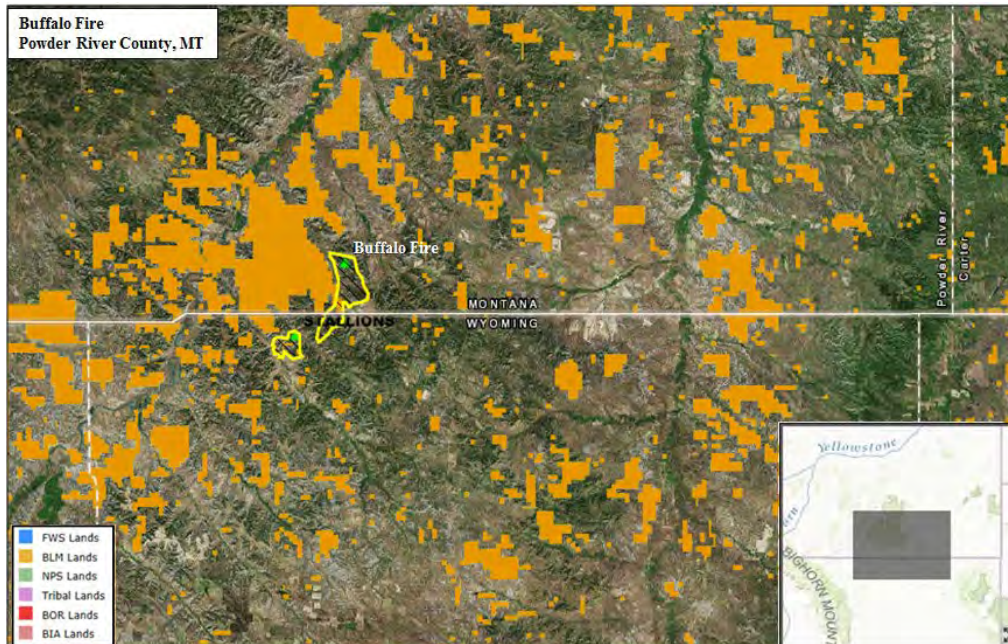
IGEMS Image

## Montana

### **Buffalo Fire**

- Start Date: July 24
- Location: Powder River County, MT (BLM)
- Burned Acres: 3,104 (-3)
- Containment: 80-percent (+46)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 268 (+109) / 45 (+18)
- Structures Threatened-Single-Mixed Residential/Commercial: 5 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: July 30

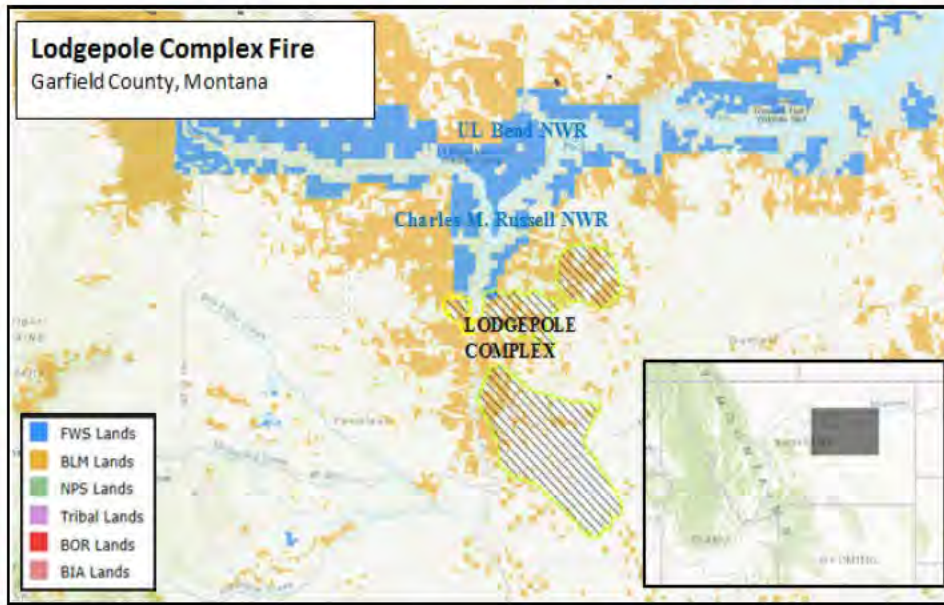
Comments: Fire behavior was described as minimal during this reporting period, with smoldering and creeping. In addition to a few residences, the fire is threatening Sage Grouse Habitat, cattle, grazing lands, and utilities. Significant resource demobilization is scheduled to start on July 29.



## Lodgepole Complex Fire

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 270,200 (+200)
- Containment: 62-percent (+28)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 598 (-58) / 81 (-15)
- Structures Threatened-Single-Mixed Residential/Commercial: 145 (no change) / 0 (no change)
- Evacuations / Shelter in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 3 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: August 2

Comments: Fire behavior was described as moderate during this reporting period, with uphill runs. In addition to the residences, the fire is threatening Sage Grouse Habitat and power infrastructure. The number of homes destroyed remains at 16. Gusty winds to the fire area increases the potential for large fire growth. Response personnel will continue to establish containment lines and perform structure protection over the next operational period. The need for additional resources is not anticipated at this time.



IGEMS Image

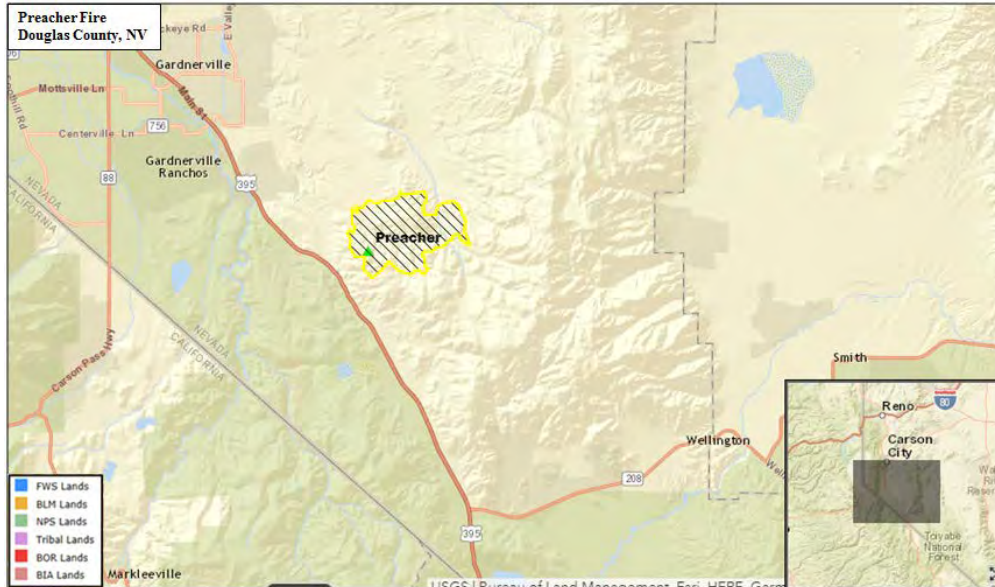
## Nevada

### **Preacher Fire**

- Start Date: July 24
- Location: Douglas County, NV (BLM)
- Burned Acres: 5,386 (+735)
- Containment: 20-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 512 (+233) / 72 (-23)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as moderate during this reporting period, with smoldering and creeping. Strong, gusty winds will impact the the fire area today. Numerous single family structures, developed subdivision properties, significant out buildings and structures, and local power transmission lines are threatened with new fire growth.





IGEMS Image

## Mahogany Fire

- Start Date: July 23
- Location: Humboldt County, NV (BLM)
- Burned Acres: 5,000 (+500)
- Containment: 25-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 299 (-129) / 69 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 (+50) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as minimal during this reporting period. Continued fire spread is expected under the influence of outflow winds from passing thunderstorms during the next 48 hours. Critical Sage Grouse Habitat, multiple recreation sites, federal communication sites, power grid transmission lines, a natural gas pipeline, and wildlife habitat are threatened.

## Leonard Creek Fire

- Start Date: July 23
- Location: Humboldt County, NV (BLM)
- Burned Acres: 3,545 (no change)
- Containment: 80-percent (+45)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 87 (-92) / 9 (-32)

- Structures Threatened-Single-Mixed Residential/Commercial: 8 (+8) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 28

Comments: Fire behavior was described as minimal during this reporting period, with smoldering. Continuous thunderstorm activity contribute gusty and erratic may winds contribute to potential fire growth. Multiple recreation sites, federal communications sites, natural gas pipeline infrastructure, and historic cabins are threatened.



IGEMS Image

## Oregon

### Upper Mine Fire

- Start Date: July 24
- Location: Harney County, NV (BLM)
- Burned Acres: 4,100 (-700)
- Containment: 40-percent (+40)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 187 (no change) / 69 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 3 (+3) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 31

Comments: Fire behavior was described as moderate during this reporting period, with smoldering. Outflow winds may contribute to fire growth during the next 48 hours. Sage Grouse Habitat, overhead power lines, and infrastructure are threatened by this fire.



The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Martin Canyon	Blaine, ID	BLM	3	4,024	70%	July 26
Microwave	Big Horn, MT	BIA	3	6,039	90%	July 27

**Wildland Fire Incident Management Situation Report**

Source: National Interagency Fire Center – July 27, 2017

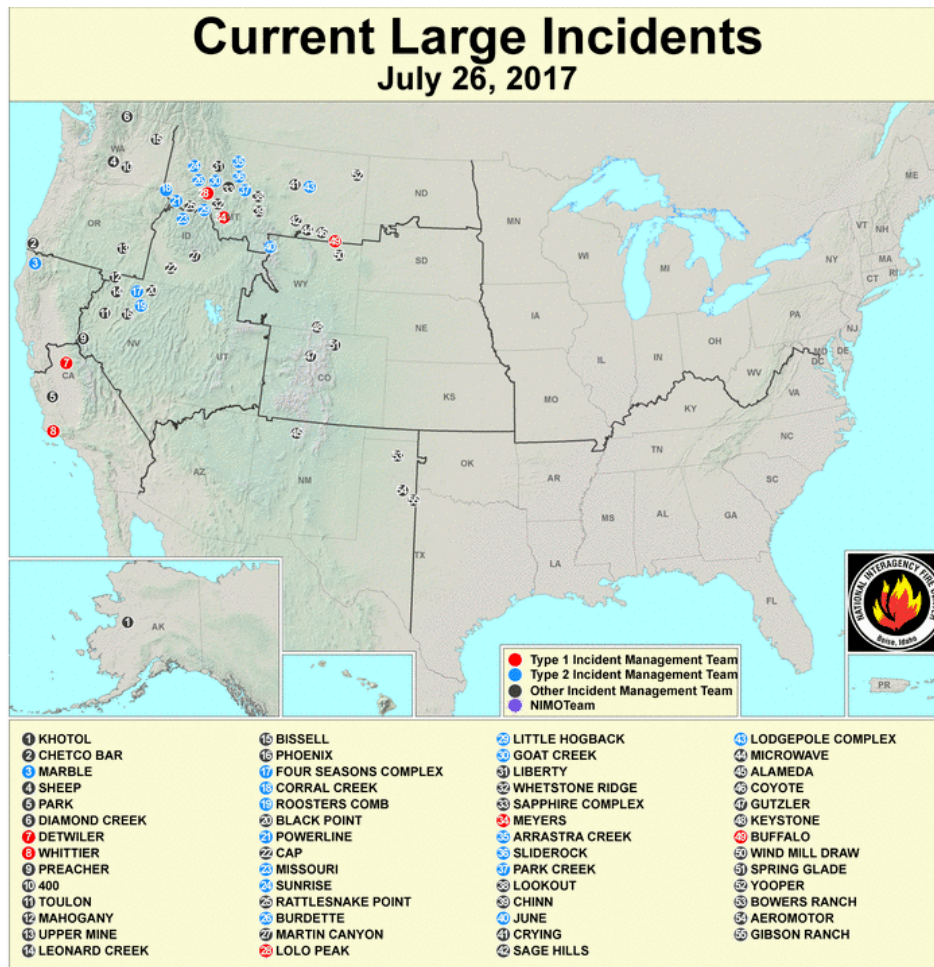
**National Preparedness Level 4**

**National Fire Activity**

Initial attack activity:	Light (258 new fires)
New large fires:	8
Large fires contained:	7
Uncontained large fires: **	38
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	4
Type 2 IMTs committed:	10

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslov Volcano, AK

Source: *U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 26, 2017*

Alert Level = **WATCH**

Color Code = **ORANGE**

No activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslov, but continues to monitor satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network for signs of volcanic activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in seismic, satellite, or infrasound data from the Cleveland Volcano during the most recent observation period. Clear web-camera views on Tuesday evening showed a small steam plume emanating from the summit crater.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano or ground tilt. At the summit, the lava lake level was observed to be about 82 feet below the rim of the Overlook Crater on Wednesday morning.

## **Significant National Weather**

*Source: National Weather Service - July 27, 2017*

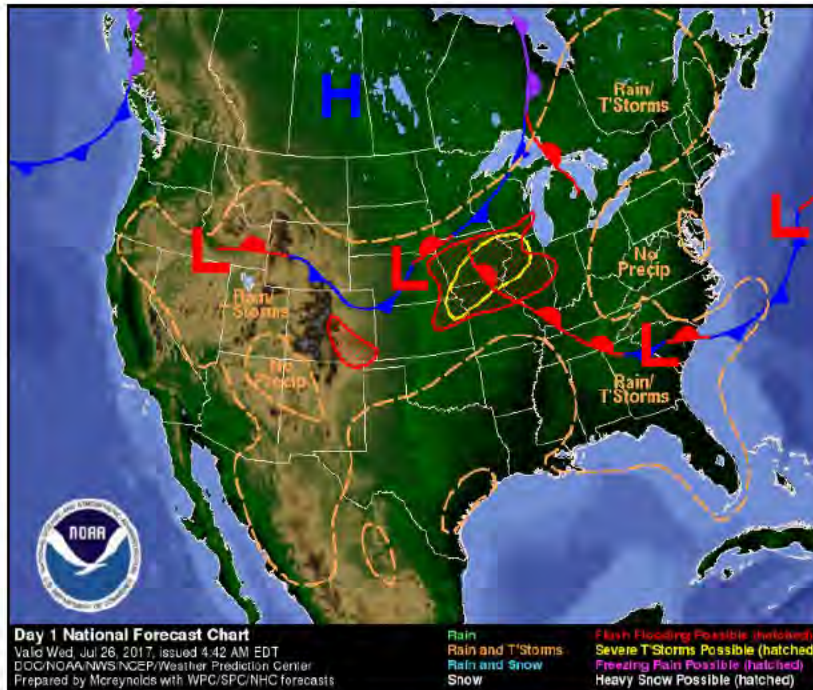
### **Today**

A storm system stretching from the southern Plains through the eastern Great Lakes will bring unsettled weather to much of the eastern third of the U.S. Scattered severe thunderstorms are expected today from parts of the southern Plains into parts of the Northeast. Flash flooding will be possible from these thunderstorms from the mid-Mississippi Valley through the Ohio Valley and the central Appalachians. Scattered severe thunderstorms with hail and isolated strong wind gusts are also expected across parts of the central and northern High Plains. The monsoonal flow will continue across much of the western U.S. and bring the threat of flash flooding to portions of New Mexico, southern Colorado, and southeastern Arizona. Heat Advisories are in place today for the Ark-La-Tex and the lower Mississippi Valley regions where heat index values will approach 110 degrees.

### **Tomorrow**

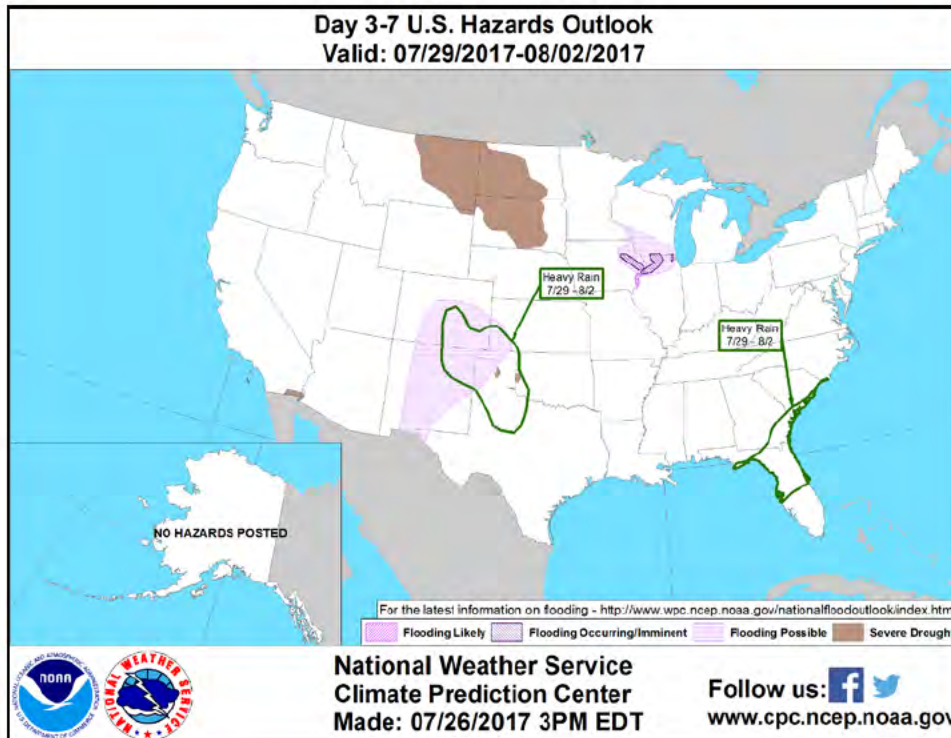
A storm system will push east stretching across the mid-Mississippi Valley from the central Appalachians to coastal sections of the Northeast. The threat of severe thunderstorms will develop across the mid-Atlantic, southern Appalachians, the Carolinas, and northern Georgia. Flash flooding is expected from the rain and thunderstorms that develop across these regions.

There is a chance of rain and thunderstorms existing as well for coastal sections of New England, the Southeast, and Gulf Coast. Monsoon precipitation will continue for the Southwest through much of the Rockies and to the Canadian border. Flash flooding is also possible for eastern Arizona, northern New Mexico, and southern Colorado. The West Coast will experience dry conditions with the exception of extreme southern California, where the chance of rain exists along the Mexico border.



## Weather Hazard Assessment

- July 29-Aug 2: Periods of heavy rain across portions of the Southeast.
- July 29-Aug 2: Periods of heavy rain across portions of the central and southern Rockies and the central and southern Plains.
- Aug 3: Moderate risk of much above-normal temperatures for portions of the northern Intermountain West.
- Aug 3-Aug 4: Moderate risk of much above-normal temperatures for portions of the central valley of California.
- Aug 3-7: Slight risk of much above-normal temperatures for portions of the Great Basin, the northern Plains, the northern Rockies, California, the Pacific Northwest, and the Southwest.
- Severe Drought across parts of the Great Plains, Arizona, California, and Hawaii.

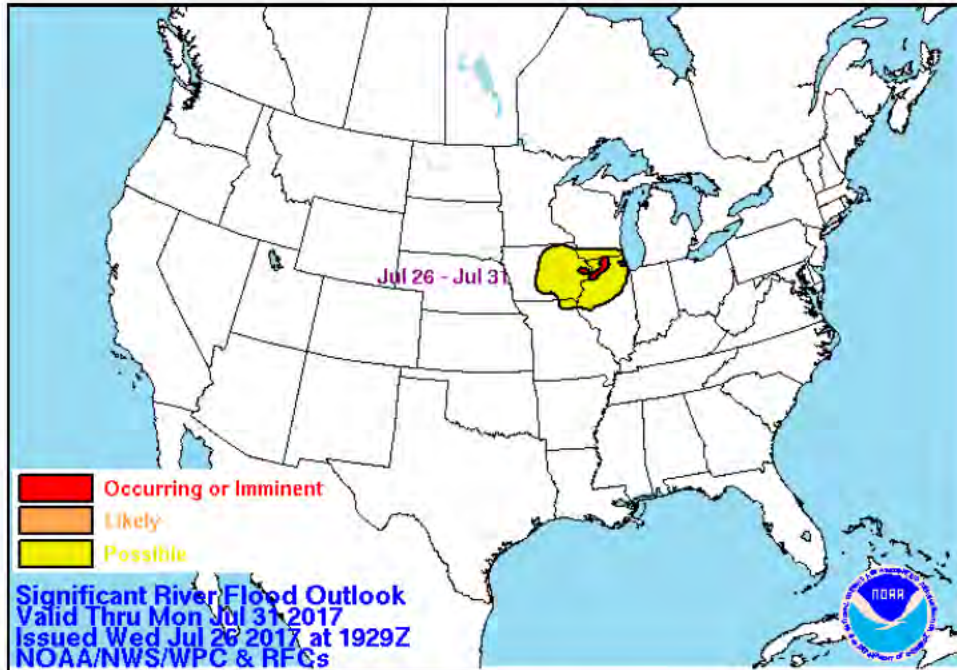


## Alaska Weather

A Small Craft Advisory is in effect for portions of the central and western Aleutian Islands, St. Matthew Island, St. Lawrence Island, the Pribilof Islands, Nunivak Island, Bristol Bay, and from Dall Point to Cape Beaufort.

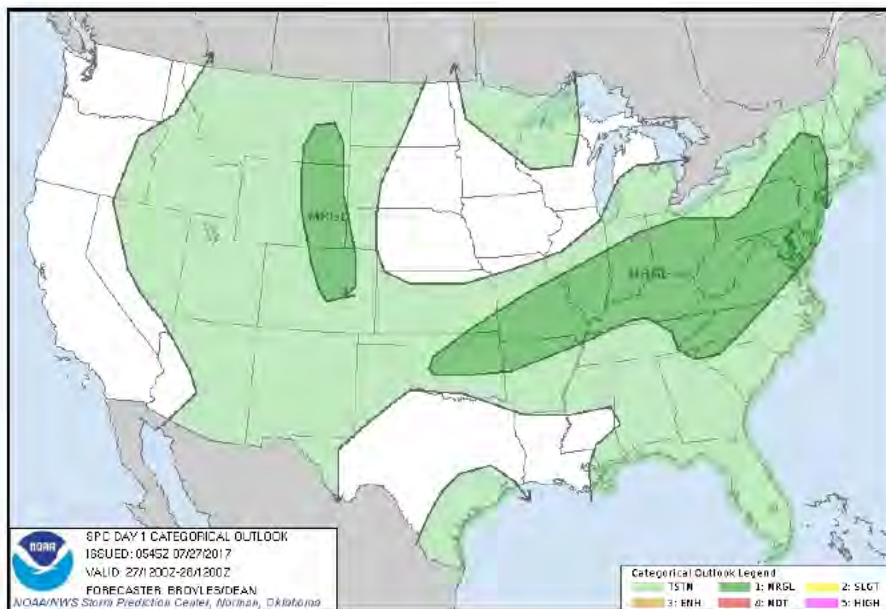


## Significant River Flooding



Significant River Flooding is possible, occurring, or imminent across portions of northern Illinois, central and eastern Iowa, northeastern Missouri, and southern Wisconsin.

## Severe Weather



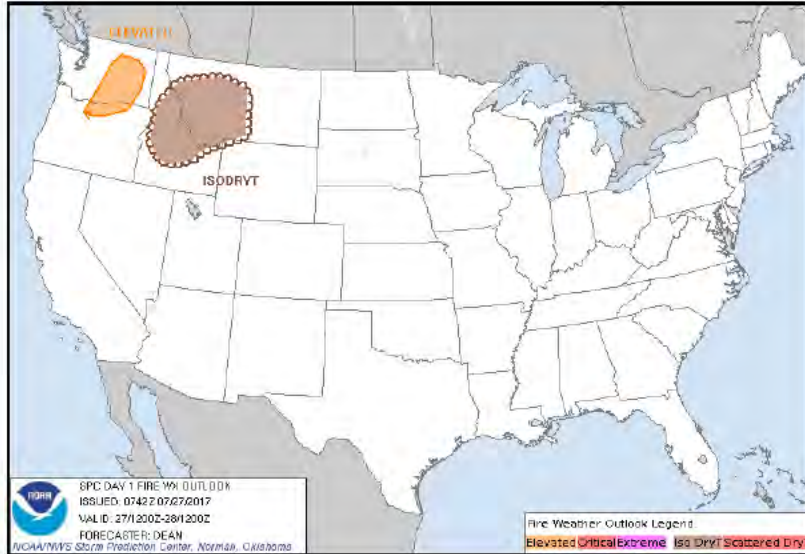
There is a Marginal Risk of severe thunderstorm activity today across portions of the central and eastern United States, and the central and northern High Plains.



## Tornado Weather

There is less than a 2-percent chance of tornado activity across the U.S. today.

## Fire Weather

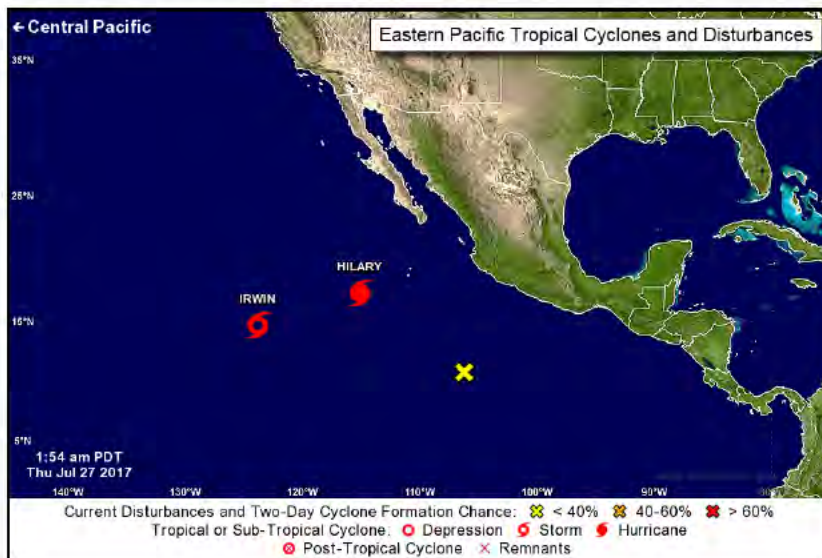


There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Weather forecast for portions of Washington and north-central Oregon. Isolated Dry Thunderstorms are forecast for portions of central Idaho, western Montana, and the northwestern corner of Wyoming.

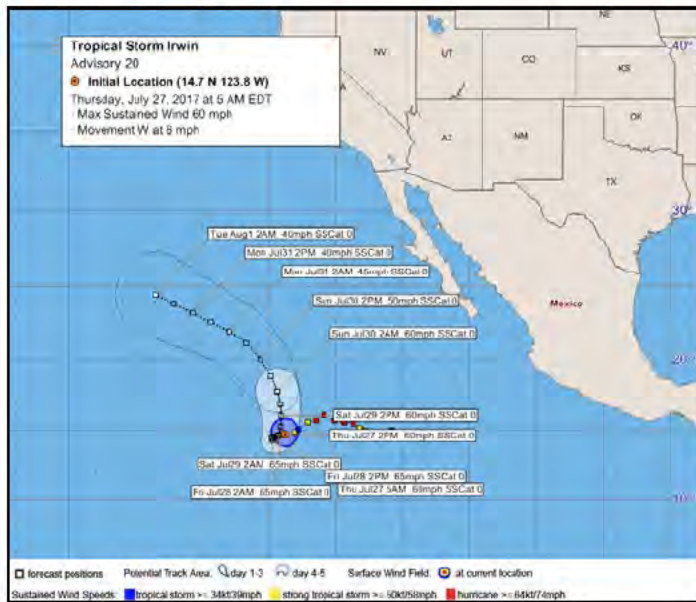
## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – July 27, 2017*

## Eastern Pacific Ocean



## Tropical Storm Irwin



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Irwin was located approximately 1,070 miles west-southwest of the southern tip of Baja California, Mexico, and moving toward the west-southwest at 6 miles per hour (mph). This general motion is expected to continue with a decrease in forward speed through tomorrow. Maximum sustained winds are near 60 mph, with higher gusts, and a slight change in strength expected. Irwin will make a gradual turn toward the northeast by Saturday. There are no coastal watches or warnings in effect at this time.

## Hurricane Hilary

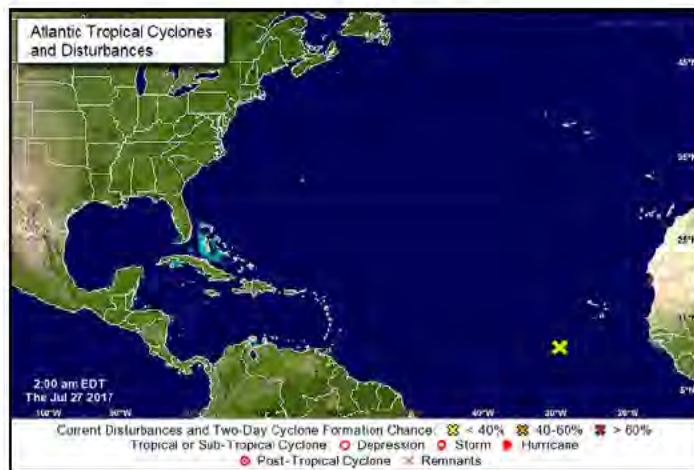


HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Hilary was located approximately 515 miles south of the southern tip of Baja California, Mexico, and moving toward the west-northwest at 12 mph. This general motion is expected to continue for the next couple of days, with a decrease in forward speed. Maximum sustained winds are 100 mph, with higher gusts. Gradual weakening is forecast through Friday. There are no coastal watches or warnings in effect at this time.

**Area 1** - A tropical wave, located several hundred miles south of Manzanillo, Mexico, is producing limited shower and thunderstorm activity. Significant development is not anticipated during the next few days due to strong upper-level winds produced by Hurricane Hilary. Upper-level winds, however, could become more conducive for some development over the weekend as Hilary weakens and moves farther away. The system is forecast to move west-northwestward at 5 to 10 mph during the next several days and has a near zero percent chance of developing into a tropical cyclone over the next 48 hours.

### Atlantic Ocean



A tropical wave, located several hundred miles west-southwest of the Cabo Verde Islands, is producing disorganized showers and scattered thunderstorms. Some slow development of this system is possible this weekend as it moves westward or west-northwestward at 5 to 10 mph. This system has a near zero percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, July 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

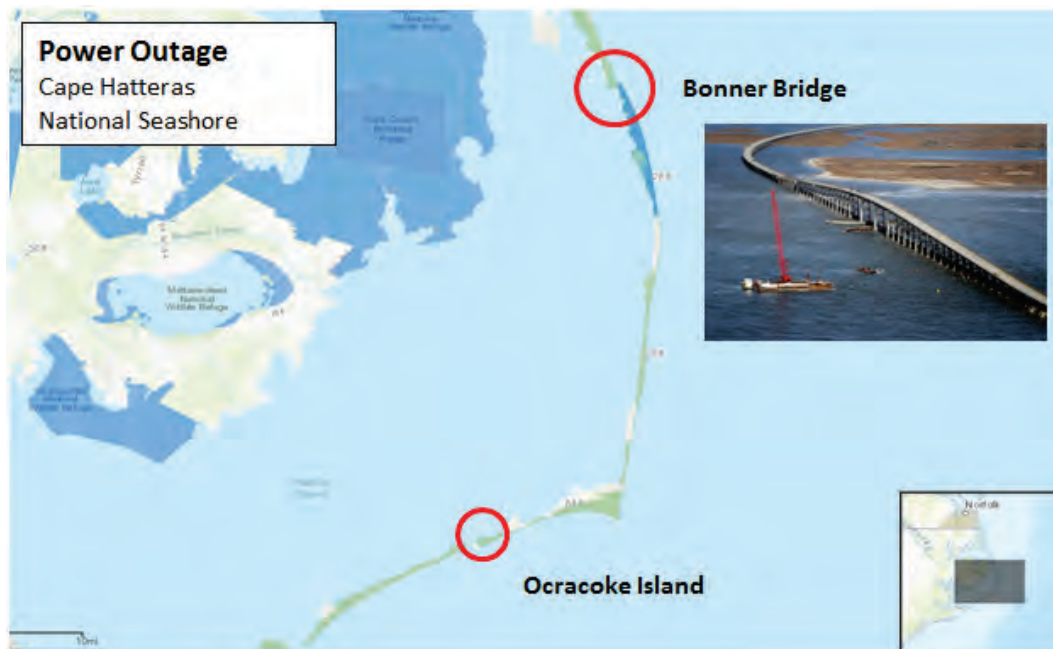
## Bureau and Office Reporting

### **Power Outage and Facility Closures - Cape Hatteras National Seashore**

*Source: National Park Service - July 27, 2017*

Hyde County North Carolina officials say that on July 27, 2017 at 4:30 a.m. EDT, power went out to Ocracoke and Hatteras islands after a contractor drove a piling through the underground cable between the southern end of Bonner Bridge and the first riser pole on Hatteras Island. In response, mandatory visitor evacuations are in effect and only residents, property owners, emergency personnel, vendors, and critical infrastructure providers with Ocracoke re-entry documentation are allowed on ferries inbound to Ocracoke.

Due to current power restrictions, the Frisco Campground is closed through Friday. Due to the Ocracoke non-resident mandatory evacuation issued by Hyde County due to the island-wide power outage, the Ocracoke Campground will be closed until the County's evacuation order is lifted. The Ocracoke Visitor Center and Off Road Vehicle (ORV) Permit Office will remain open unless excessive heat necessitates a closure. ORV permits will be sold on a cash-only basis until power is restored. All other seashore facilities including; the Cape Point Campground, Oregon Inlet Campground, Cape Hatteras Lighthouse, Bodie Island Lighthouse, Hatteras Island ORV Permit Office, and the Bodie Island ORV Permit Office, remain open.



### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - July 28, 2017*

The **Martin Canyon Fire** in Idaho reached 100-percent containment and will no longer be summarized in this report.

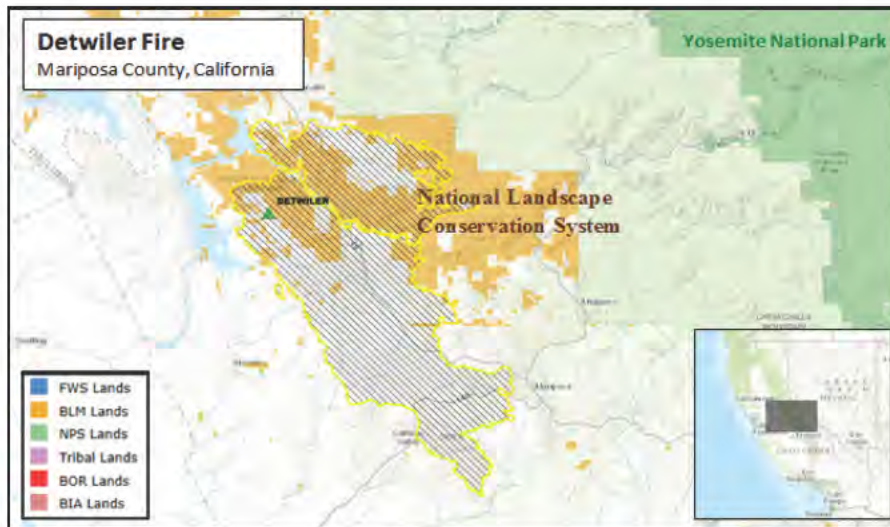
### **California**

#### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 81,550 (+300)
- Containment: 75-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 3,700 (-579) / 102 (-20)
- Structures Threatened-Single-Mixed Residential/Commercial: 30 (-1,470) / 0 (no change)
- Evacuations / Shelter in place: 4,968 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 5

Comments: Fire behavior was described as moderate during this reporting period. Communities, transportation routes, and power infrastructure located to the northeast of the fire continue to be threatened, including transmission lines that supply Yosemite National Park with

power. Evacuation orders and advisories remain in effect, and evacuation centers have been established to assist those who have been displaced by the fire. During the next operational period, fire crews will continue to complete and improve fire lines.



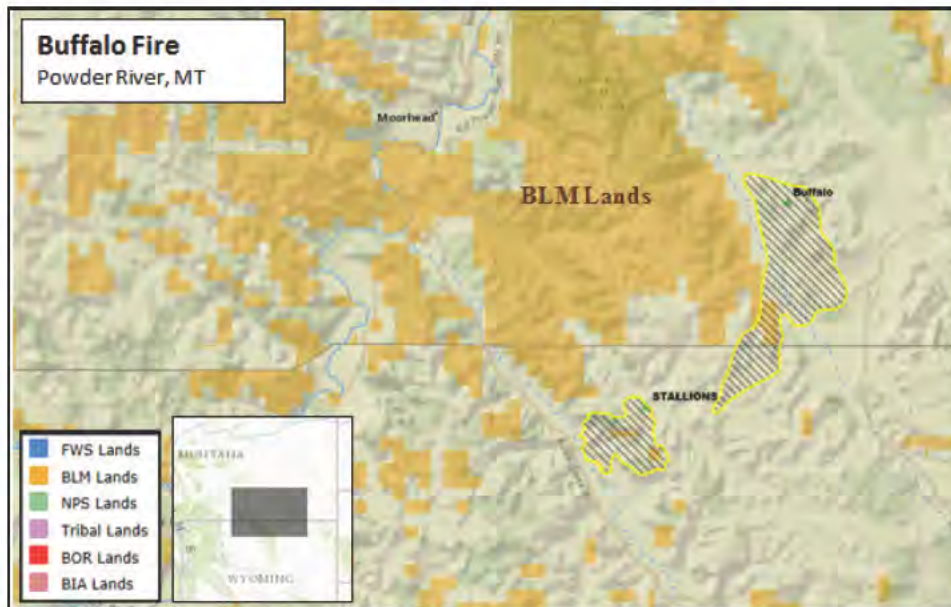
IGEMS Image

## Montana

### **Buffalo Fire**

- Start Date: July 24
- Location: Powder River County, MT (BLM)
- Burned Acres: 3,104 (no change)
- Containment: 80-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 354 (+86) / 69 (+24)
- Structures Threatened-Single-Mixed Residential/Commercial: 5 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (-1) / 0 (no change)
- Containment Date: July 30

Comments: Fire behavior was described as minimal during this reporting period, with smoldering and creeping. There is the potential for strong to severe thunderstorms over the next 24 hours. Gusty and erratic winds may pose a threat to control lines due to increased spotting potential. Significant resource demobilization is scheduled to start on July 29.

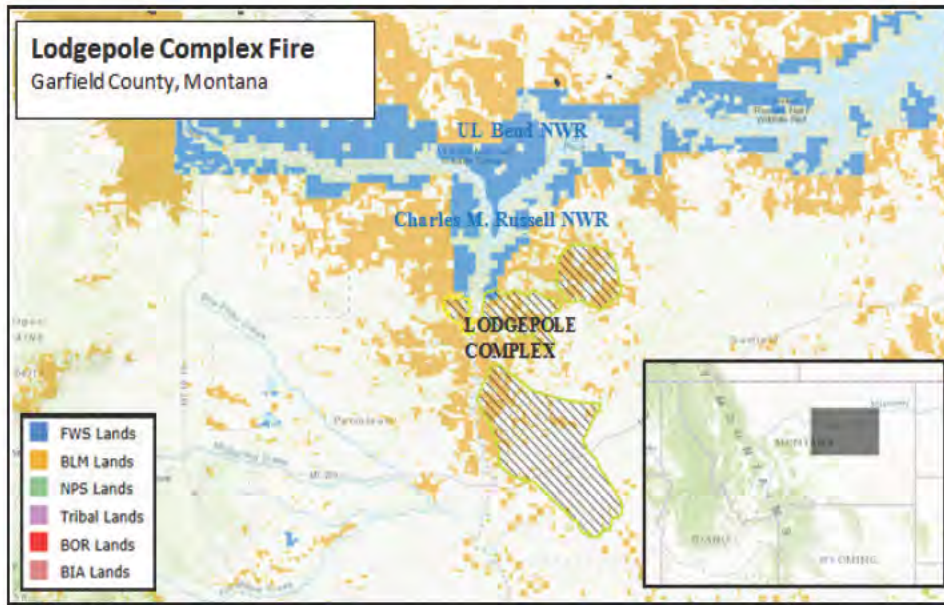


IGEMS Image

### Lodgepole Complex Fire

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 270,200 (no change)
- Containment: 80-percent (+18)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 553 (-45) / 67 (-14)
- Structures Threatened-Single-Mixed Residential/Commercial: 145 (no change) / 0 (no change)
- Evacuations / Shelter in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 3 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: August 2

Comments: Fire behavior was described as minimal during this reporting period, with smoldering. In addition to the residences, the fire is threatening Sage Grouse Habitat and power infrastructure. Sixteen homes have been destroyed. Additional perimeter growth is not expected. Response personnel will continue to establish containment lines and perform structure protection over the next operational period. The need for additional resources is not anticipated at this time.



IGEMS Image

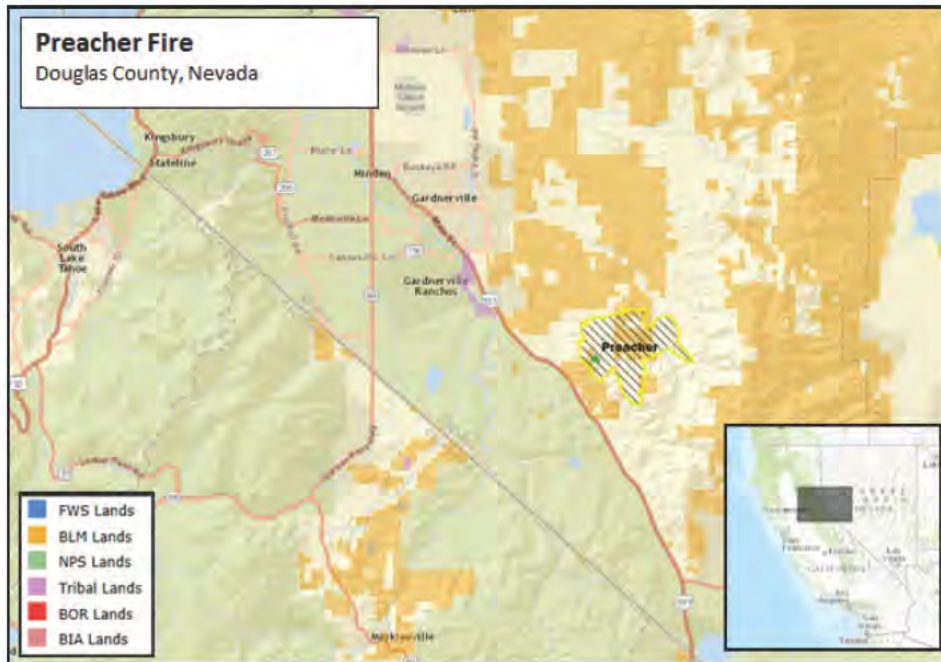
## Nevada

### **Preacher Fire**

- Start Date: July 24
- Location: Douglas County, NV (BLM)
- Burned Acres: 5,353 (-33)
- Containment: 72-percent (+52)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 521 (+9) / 82 (+10)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as minimal during this reporting period, with smoldering and creeping. Minimal perimeter growth is expected. Numerous single family structures, developed subdivision properties, significant out buildings and structures, and local power transmission lines are threatened.





IGEMS Image

### Mahogany Fire

- Start Date: July 23
- Location: Humboldt County, NV (BLM)
- Burned Acres: 5,121 (+121)
- Containment: 45-percent (+20)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 311 (+12) / 65 (-4)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 29

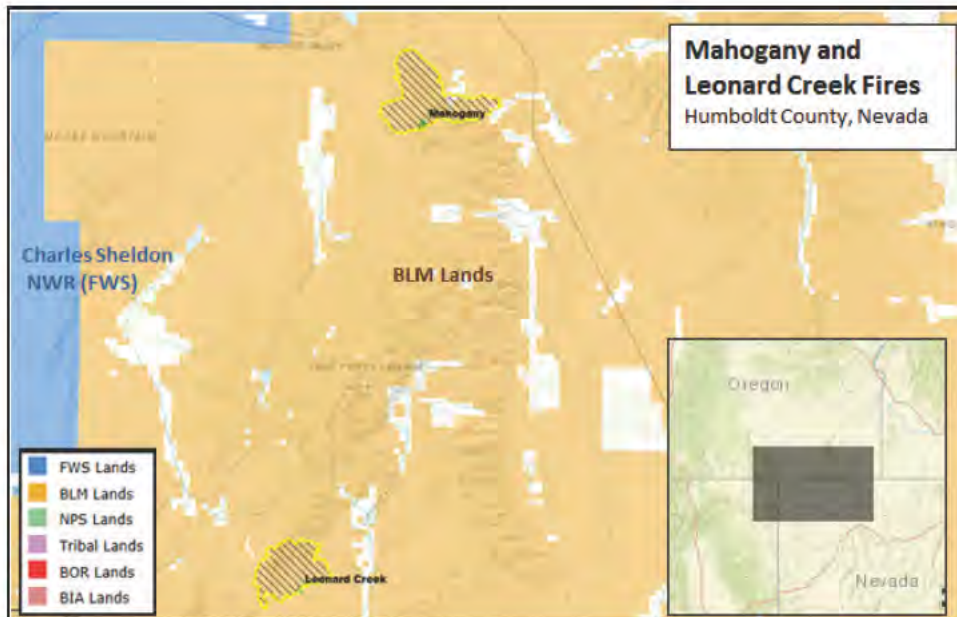
Comments: Fire behavior was described as minimal during this reporting period. Continued fire spread is expected under the influence of outflow winds from passing thunderstorms during the next 48 hours. Critical Sage Grouse Habitat, multiple recreation sites, federal communication sites, power grid transmission lines, a natural gas pipeline, and wildlife habitat are threatened.

### Leonard Creek Fire

- Start Date: July 23
- Location: Humboldt County, NV (BLM)
- Burned Acres: 3,545 (no change)
- Containment: 95-percent (+15)

- Management: Type-2 IMT
- Personnel Assigned / DOI: 135 (+48) / 25 (+16)
- Structures Threatened-Single-Mixed Residential/Commercial: 8 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: July 29

Comments: Fire behavior was described as minimal during this reporting period. A Red Flag Warning is in effect due to dry lightning. Continuous thunderstorm activity, including gusty and erratic winds, may contribute to potential fire growth. Multiple recreation sites, federal communications sites, natural gas pipeline infrastructure, and historic cabins are threatened.



IGEMS Image

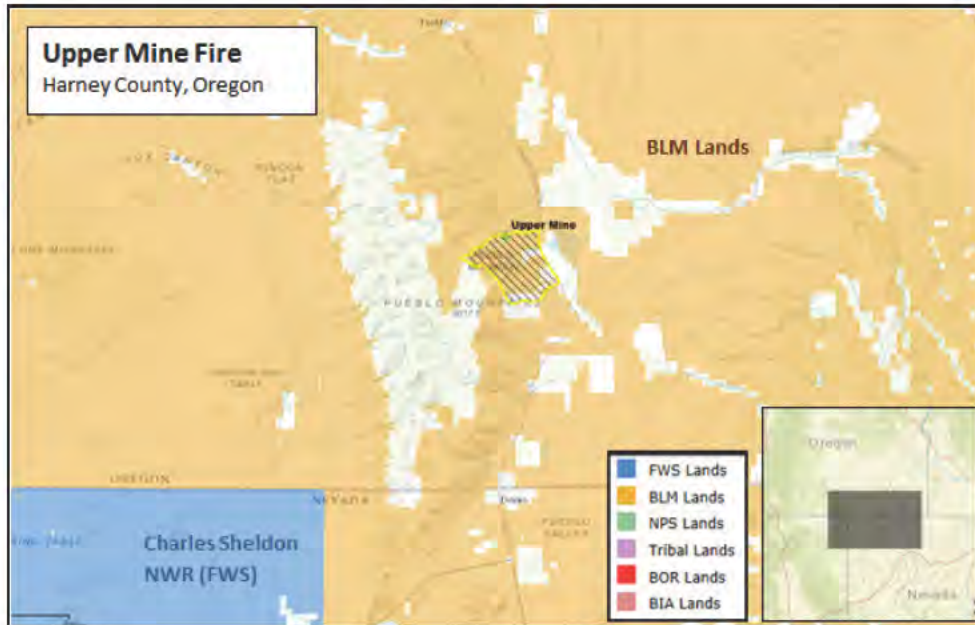
## Oregon

### Upper Mine Fire

- Start Date: July 24
- Location: Harney County, NV (BLM)
- Burned Acres: 4,135 (+35)
- Containment: 75-percent (+35)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 142 (-45) / 52 (-17)
- Structures Threatened-Single-Mixed Residential/Commercial: 3 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: July 28

Comments: Fire behavior was described as minimal during this reporting period, with smoldering. A Red Flag Warning is in effect due to dry lightning for the next 48 hours. Sage Grouse Habitat, overhead power lines, and infrastructure are threatened by this fire.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Lagoon	Lincoln, ID	BLM	3	1,412	70%	July 28
Microwave	Big Horn, MT	BIA	3	6,039	90%	July 27
Hawk	Malheur, OR	BLM	3	1,412	75%	July 28
Lightning	Roosevelt, MT	BLM	4	2,200	20%	July 29
Stallions	Gillette, WY	BLM	3	1,051	96%	July 28

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – July 28, 2017

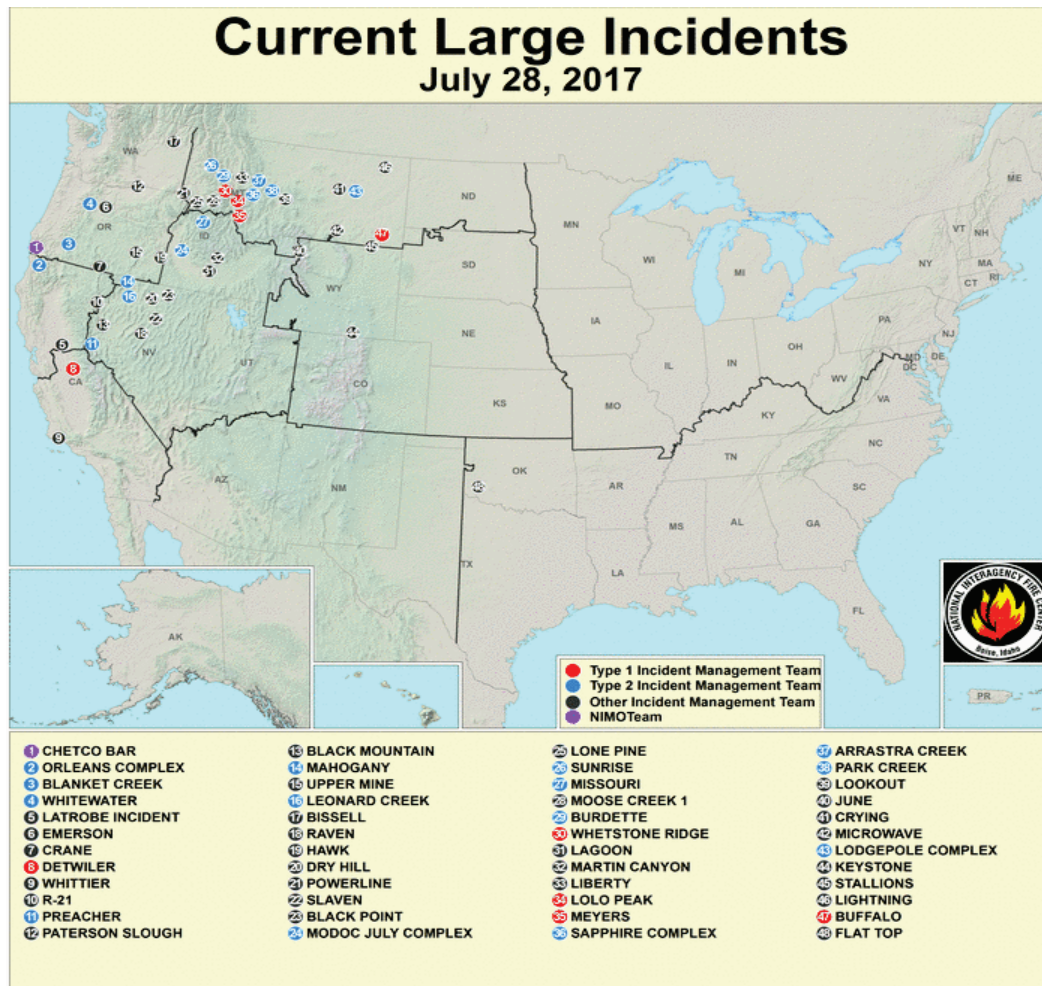
## National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (152 new fires)
New large fires:	6
Large fires contained:	5
Uncontained large fires: **	36
Area Command Teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	4
Type 2 IMTs committed:	11

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslof Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but continues to monitor satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network for signs of volcanic activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was observed in seismic, satellite, or infrasound data from the Cleveland Volcano during the most recent observation period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 27, 2017*

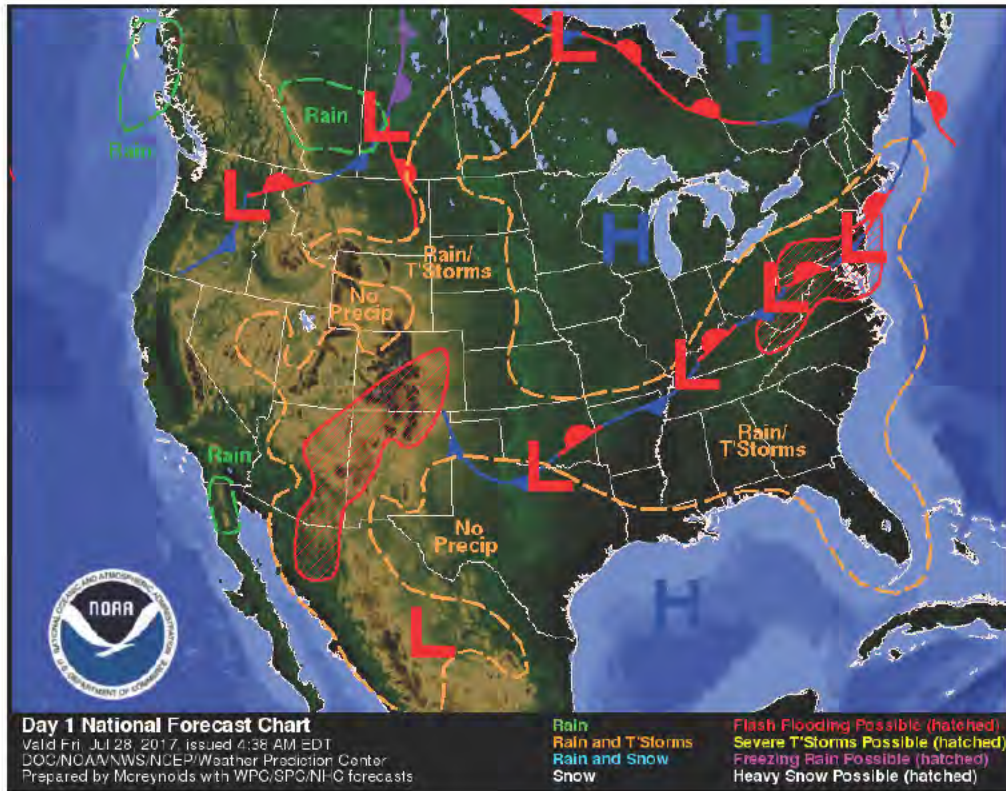
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano or ground tilt. At the summit, the lava lake level was observed to be about 98 feet below the rim of the Overlook Crater on Wednesday morning.

## Significant National Weather

Source: National Weather Service - July 28, 2017



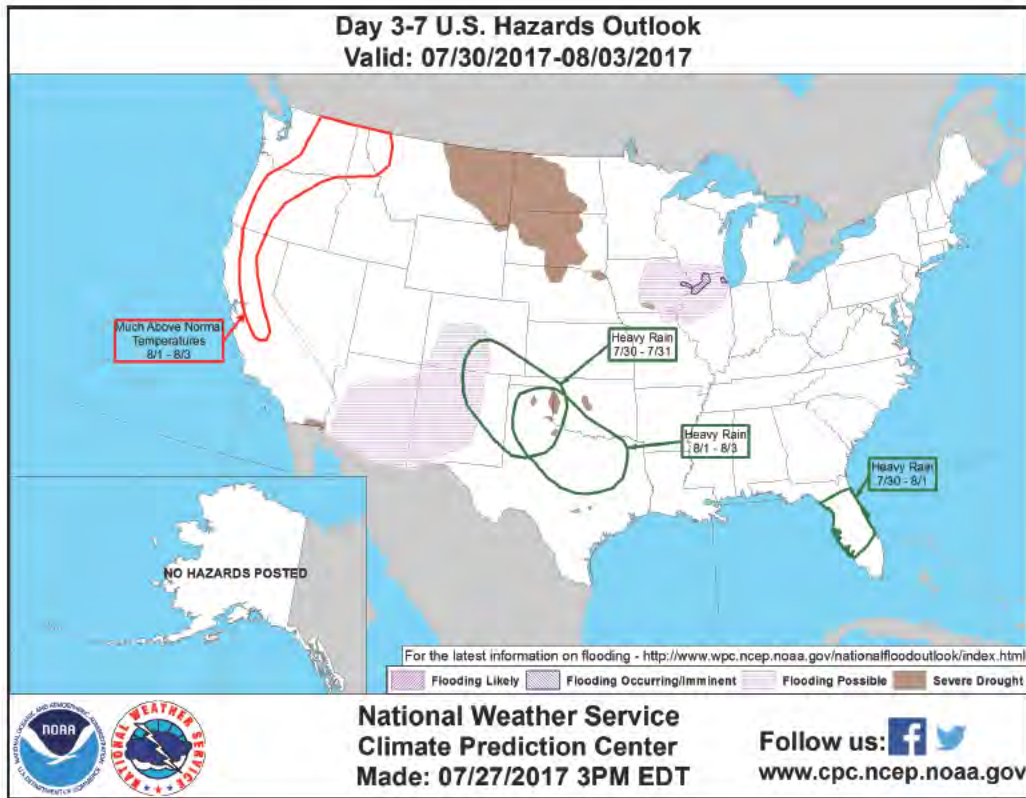
### Today

There is a marginal chance of severe storms for most of central Appalachians and mid-Atlantic area. Strong lifting near the front will lead to very heavy rain and flash flooding from Tennessee to Pennsylvania. The heaviest rain (3-5 inches) will fall Friday night into Saturday morning. Excessive rainfall is likely from eastern Kentucky to New Jersey and southeast Virginia. The monsoonal flow will continue across the Southwest and bring the threat of flash flooding to much of New Mexico, southern Colorado, and eastern Arizona. Heat Advisories exist for northeast Texas where heat index values will approach 110 degrees.

### Tomorrow

A cold front extends from the mid-Atlantic through the Southeast and into northern Texas. Heavy rain will fall through midday Saturday from North Carolina through southern New England, but chances for flash flooding will greatly diminish. Rain showers and strong thunderstorms are still possible along Gulf Coast and from Florida through southern New England. Monsoonal flow will continue to bring the chance of rain and thunderstorms to the Southwest through much of the Rockies and Intermountain West. Flash flooding is possible across the southern border area of Arizona and New Mexico, as well as high Plains in the southern half of Colorado and western Kansas. An area of rain showers and thunderstorms will stretch from the southern Rockies to the upper Midwest.

## Weather Hazard Assessment



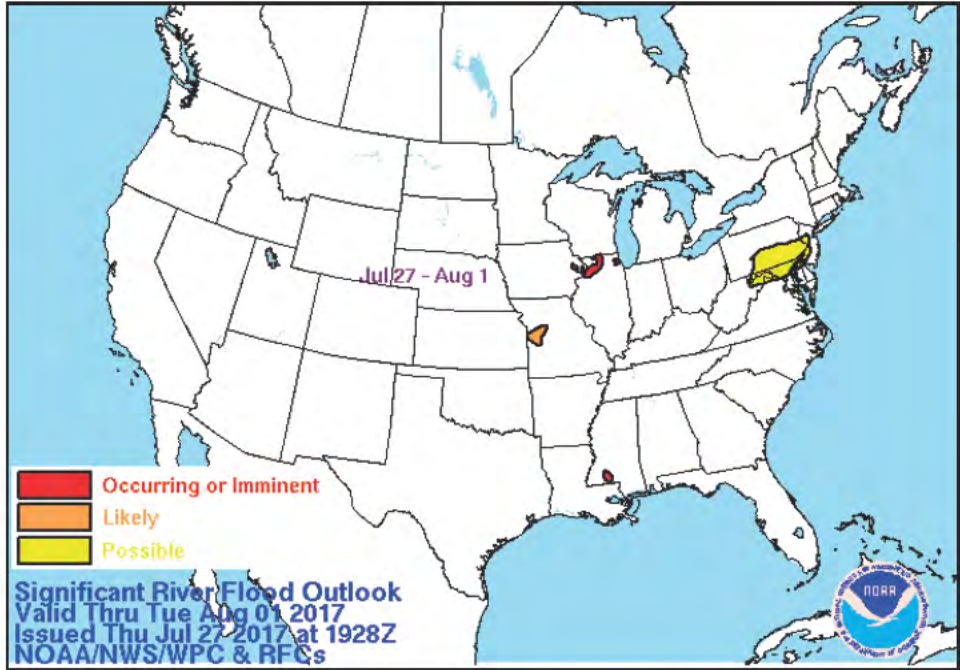
- July 30-31: Heavy rain for the southern High Plains.
- July 30-Aug 1: Heavy rain for the central Florida peninsula.
- July 30-Aug 3: Flash flooding possible for parts of the Southwest.
- Aug 1-3: Heavy rain shifting southeast across the southern Great Plains.
- Aug 1-3: Much above-normal temperatures for parts of the northern Great Basin, the Pacific Northwest, and California.
- Aug 4-5: Moderate risk of much above-normal temperatures for the Central Valley of California.
- Aug 4-6: Slight risk of much above-normal temperatures for much of the western U.S. and the northern Great Plains.

### Alaska Weather

A Small Craft Advisory is in effect for portions of the central and western Aleutian Islands, St. Matthew Island, St. Lawrence Island, the Pribilof Islands, Nunivak Island, from Dall Point to Cape Beaufort, and from Flaxman Island to Demarcation Point.



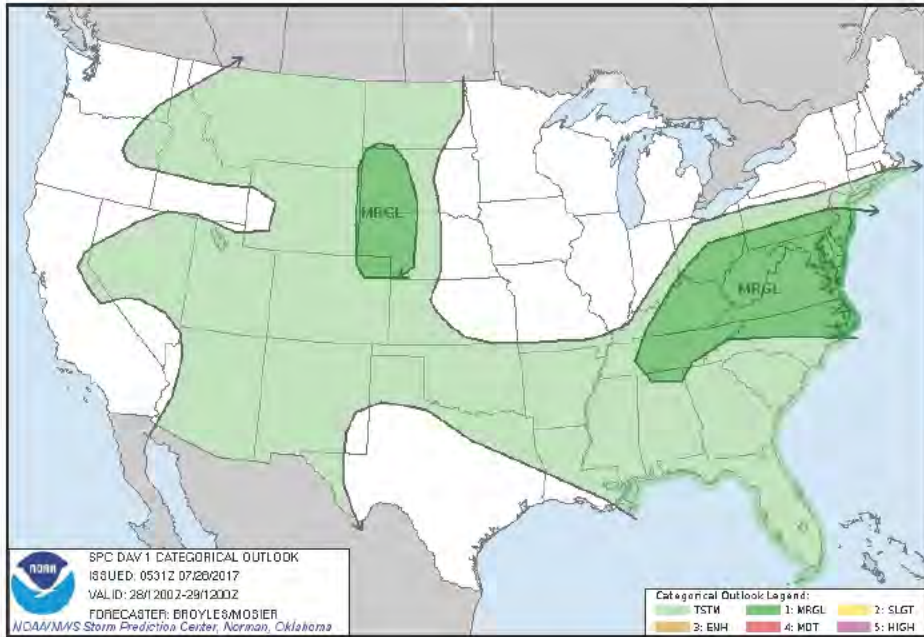
**Significant River Flooding**



Significant River Flooding is occurring or imminent across portions of northern Illinois, eastern Iowa, and southwestern Mississippi. Significant River Flooding is likely in western Missouri, and possible in portions of West Virginia, Maryland, Pennsylvania, and Delaware.



## Severe Weather

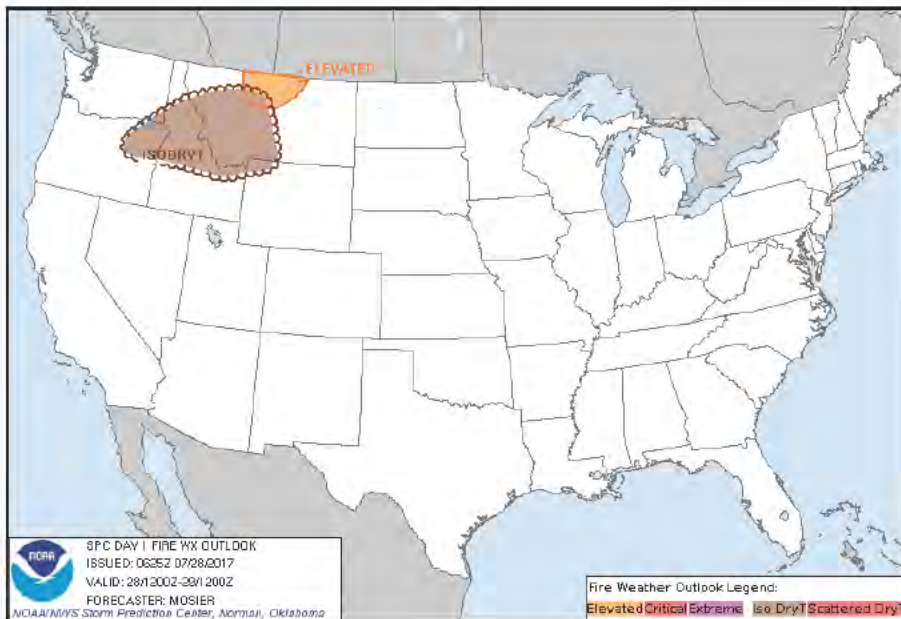


There is a Marginal Risk of severe thunderstorm activity today across portions of the Ohio and Tennessee valleys eastward to the mid-Atlantic, and the central and northern High Plains.

## Tornado Weather

There is less than a 2-percent chance of tornado activity across the U.S. today.

## Fire Weather

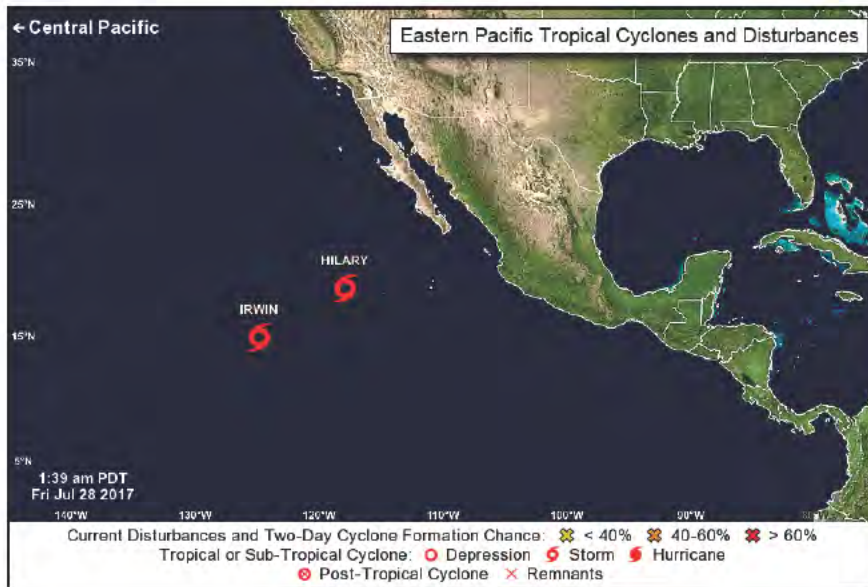


There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for northern Montana. Isolated Dry Thunderstorms are forecast for portions of central Idaho, western Montana, northeastern Oregon, and southeastern Washington.

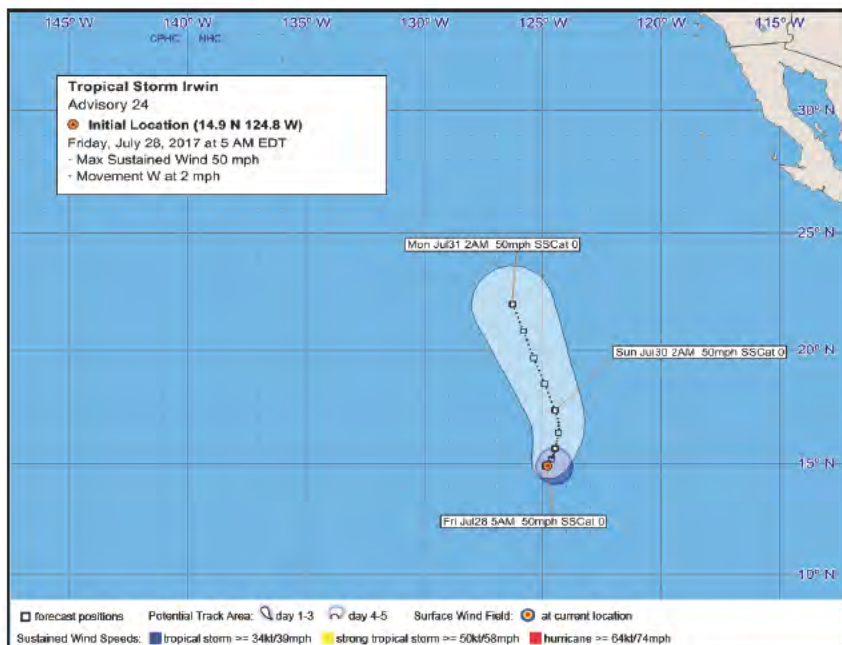
### Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – July 28, 2017

#### Eastern Pacific Ocean



#### Tropical Storm Irwin



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Irwin was located approximately 1,120 miles west-southwest of the southern tip of Baja California, Mexico, and moving westward at 2 miles per hour (mph). Very little change in motion is expected during the next 24-36 hours. Maximum sustained winds are near 50 mph, with higher gusts. Minor variations in strength are possible today into tonight. There are no coastal watches or warnings in effect at this time.

### Tropical Storm Hilary

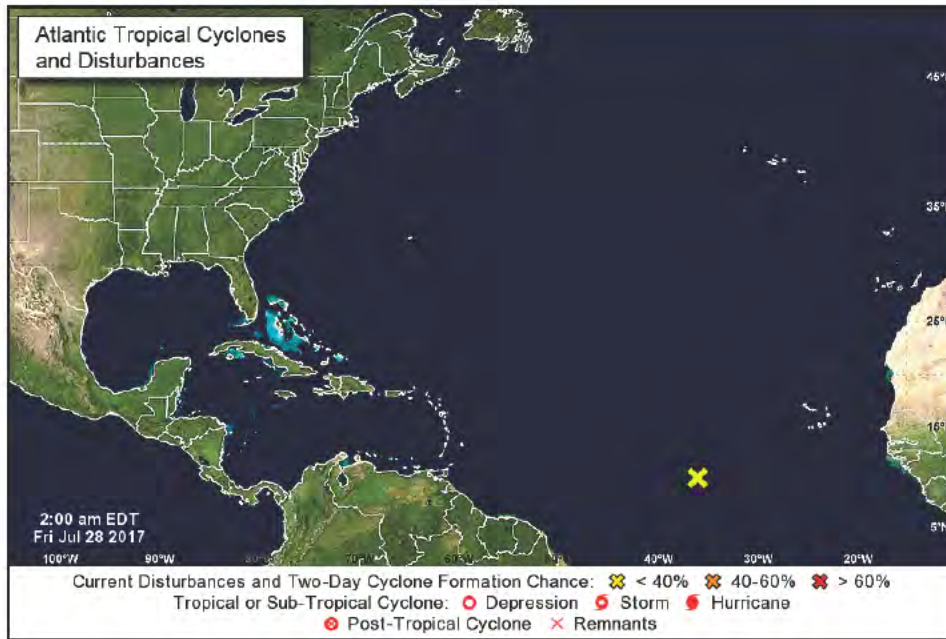


HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Hilary was located approximately 590 miles south of the southern tip of Baja California, Mexico, and moving toward the west-northwest at 8 mph. This general motion with a slight increase in speed is expected to continue for the next couple of days. Maximum sustained winds are 70 mph, with higher gusts. Some weakening is forecast through Saturday. There are no coastal watches or warnings in effect at this time.

### Atlantic Ocean

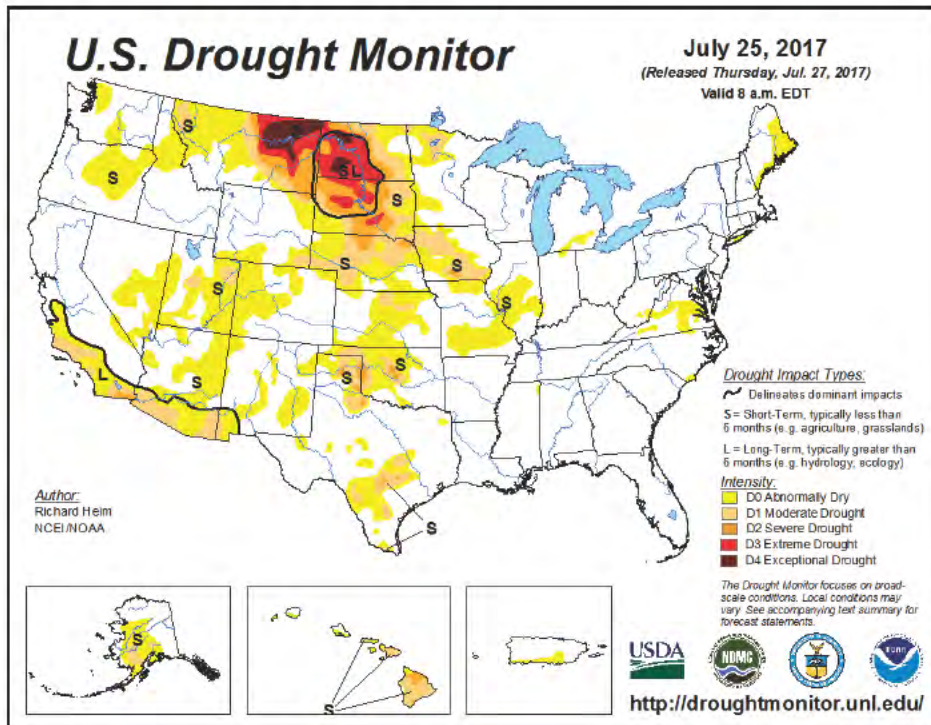
A large area of cloudiness and disorganized shower activity is associated with a broad low pressure system located about 800 miles west-southwest of the Cabo Verde Islands. Slow development is possible over the next several days while the system moves slowly westward or west-northwestward. This system has a near zero percent chance of developing into a tropical cyclone over the next 48 hours.



***Other News and Notes***

**Drought Monitor**

**Source:** *National Drought Mitigation Center – July 27, 2017*



An upper-level ridge of high pressure maintained its grip across the contiguous U.S. (CONUS) during this past week. Showers and thunderstorms developed as fronts moved across the northern Plains and into the Midwest, but rainfall amounts were mostly below normal. Above-normal precipitation fell in places along the North Dakota and South Dakota border, from northeastern South Dakota to northern Illinois, from the Ohio Valley to mid-Atlantic States, and across parts of Nebraska and Kansas. Above-normal precipitation fell across parts of the southern Plains to the Southeast as afternoon heating triggered convective storms, and a front near the end of the week sagged south. The Southwest monsoon continued this week, bringing above-normal precipitation to much of the Four Corners, but drier-than-normal weather dominated the rest of the West, most of the Plains, much of the Midwest, and the South, and parts of the mid-Atlantic and New England. Soils continued to dry out and crops suffered as drought and abnormal dryness continued to expand or intensify across the Plains, the Midwest, the northern Rockies, and Virginia.

### **Plane Crash and Fatality - Lake Clark National Park and Preserve, Alaska**

*Source: National Park Service and KTVA Alaska - July 27, 2017*

Investigators responded to a plane crash in the vicinity of Lake Clark Pass within Lake Clark National Park on Thursday afternoon. The National Transportation Safety Board was informed that a Cessna 206 was missing at about 10:00 a.m. AKDT Thursday. Searchers found the crash site about 12 miles northeast of Port Alsworth. According to a news release from Lake Clark National Park and Preserve, the downed plane was found burning in the Miller Creek drainage. Regal Aviation reports the pilot was the only person on board. Alaska State Troopers responded with a helicopter and are working with National Park Rangers to conduct recovery efforts.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries  
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Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Monday, July 31, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

**Power Outage and Facility Closures - Cape Hatteras National Seashore, North Carolina**

**General Situation**

*Source: Dare County (NC), Hyde County (NC), and Cape Hatteras Electric Cooperative – July 30, 2017*

On July 27, PCL Construction accidentally drove a steel casing into a Cape Hatteras Electric Cooperative (CHEC) underground transmission cable while building the new Bonner Bridge at the Oregon Inlet in North Carolina. This caused a loss of power for all of Hatteras Island and Ocracoke Island. Because of the power loss, local authorities issued a mandatory evacuation order for all visitors to the islands until further notice, which includes the Cape Hatteras National Seashore and the Pea Island National Wildlife Refuge. Residents are being allowed to remain within the evacuation area.

On July 30, the CHEC reported that crews are working toward two solutions for transmission restoration. The first solution is to continue excavating the damaged cables and work to splice them back together. The second solution is to build a new overhead transmission line that would run from the southern end of the Bonner Bridge to meet the cooperative's existing overhead transmission line. The CHEC will actively pursue both of these solutions until it is clear which

one will provide the fastest and safest option for a full repair. Depending on which solution turns out to be the most practical, the timeline for a complete repair could vary from one to two weeks.

The CHEC is supplying temporary power to island residents through diesel generators in Buxton and portable generators. This process will continue until the transmission line repairs are complete. The generators will only be able to work if the power load is at minimal levels, and residents remaining in the area were advised to conserve electricity. The CHEC reports that they are also working to expand the temporary generation service on Hatteras Island in order to accommodate the return of visitors. The North Carolina Department of Transportation Ferry Division reports that the Hatteras Ferry Route assumed a “winter” schedule on July 30.

### **DOI Bureau and Office Reporting**

#### **National Park Service and U.S. Fish and Wildlife Service Closure Status**

*Source: National Park Service and U.S. Fish and Wildlife Service – July 29, 2017*

The National Park Service is reporting that there is currently no visitor entry to Hatteras and Ocracoke islands. Several campgrounds have been closed; however, visitor centers, Off Road Vehicle (ORV) Permit Offices, and other facilities on Hatteras and Ocracoke islands will remain open unless excessive heat necessitates a closure. All Cape Hatteras National Seashore areas located to the north of the Oregon Inlet will remain open as they have not been impacted by the power outage. The U.S. Fish and Wildlife Service reports that the Pea Island National Wildlife Refuge Visitor Center, which is located on Hatteras Island, will be closed through Monday. The refuge will remain open to birders, anglers, and other personnel involved in outdoor recreation.



IGEMS Image

## *Sewage Spill - Santa Cruz County, Arizona*

### **General Situation**

Source: *Federal Emergency Management Agency - July 30, 2017*

On July 25, the International Outfall Interceptor (IOI) sewage line along the U.S. and Mexico border breached, causing millions of gallons of sewage and heavy metal contaminants to spill into the Nogales Wash and the Santa Cruz River in Arizona. The International Boundary and Water Commission (IBWC) conducted tests for E-coli and found samples that exceeded recommended levels. The Arizona Department of Health Services is advising the public to stay out of the Nogales Wash and the Santa Cruz River, and private wells within 100 feet of the waterway are at risk for contamination.

Since the break occurred, crews have been constructing a bypass pipeline, requiring over 5,000 linear feet of pipe. The work is expected to be completed by August 2. Samples taken on July 29 indicate a high concentration of E-coli upstream of the breach, and a much higher concentration downstream of the breach. Additional sampling was scheduled for July 30. Response personnel are reporting that high water has washed away the “earthworks” protecting the IOI pipeline, and the exposed section of pipe is in danger of buckling should there be a surge in water levels.

The Arizona Emergency Operations Center (EOC) is at Partial Activation, and a Federal Emergency Management Agency (FEMA) Liaison Officer (LNO) has been deployed to the Arizona EOC. There have been no reported impacts to the Tumacacori National Historical Park, which is located north of the spill, and there have been no reported impacts to wildlife in the area. The Tumacacori National Historical Park has advised visitors to avoid contact with the Santa Cruz River.



*IGEMS Image*



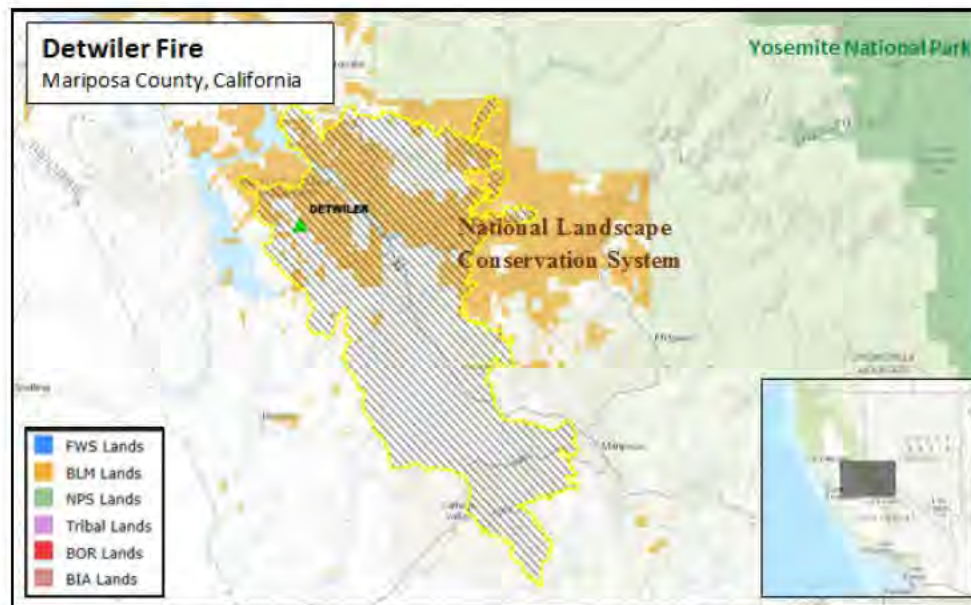
## Wildland Fire Activity

Source: Fire and Aviation Management Website - July 31, 2017

The **Lagoon Fire** (Idaho), the **Buffalo Fire** (Montana), the **Preacher Fire** (Nevada), the **Leonard Creek Fire** (Nevada), the **Hawk Fire** (Oregon), and the **Stallions Fire** (Wyoming) reached 100-percent containment over the weekend and will no longer be summarized in this report. The size on the **Lightning Fire** (MT) was reduced to 800 acres, and the fire will no longer be summarized unless it reaches 1,000 acres in size.

### California

#### **Detwiler Fire**



*IGEMS Image*

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 81,826 (+276)
- Containment: 90-percent (+15)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 2,390 (-1,310) / 19 (-83)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-30) / 0 (no change)
- Evacuations / Shelter in place: 0 (-4,968) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 7

Comments: Fire behavior was described as minimal during this reporting period, and fire lines are continuing to hold. All evacuation orders were lifted over the weekend, and re-population

has been completed. During the next couple of days, fire crews will continue to perform patrol and mop-up operations.

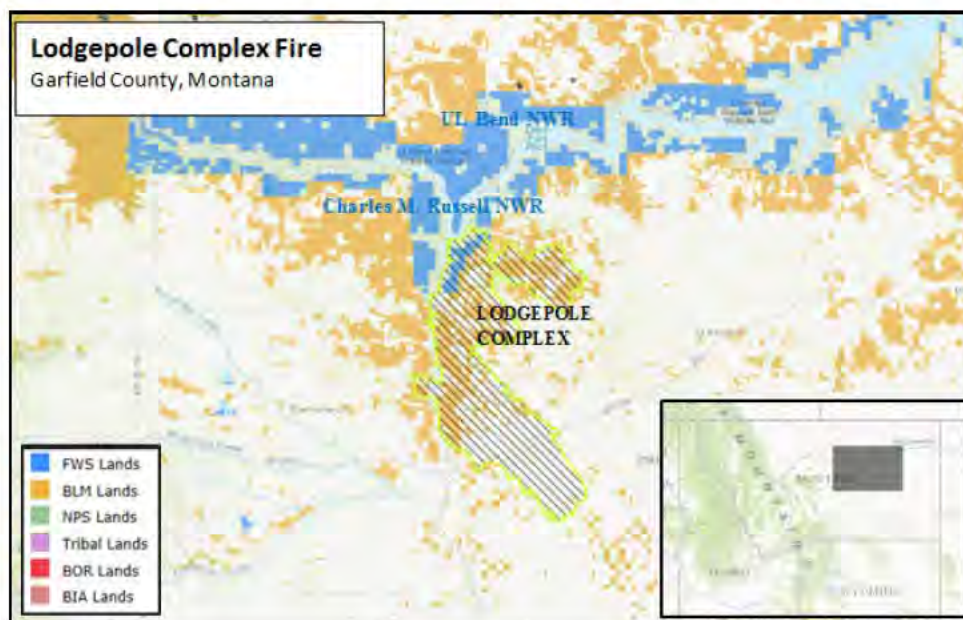
### **Seismic Sensors Back Online Near Detwiler Fire**

*Source: U.S. Geological Survey - July 28, 2017*

On July 21, the United States Geological Survey (USGS) reported that the Detwiler Fire disrupted service for 19 seismic sensors in the Northern California Seismic Network. These sensors provide coverage over the western side of the southern San Joaquin Valley, from the San Luis Reservoir to Coalinga and from Copperopolis to Visalia. The sensors also lost connectivity to the U.S. Army Corps of Engineers Mount Bullion microwave site. As of July 26, the communication link to Mount Bullion was restored, and all the stations are back online and providing data.

## **Montana**

### **Lodgepole Complex Fire**



*IGEMS Image*

- Start Date: July 20
- Location: Garfield County, MT (BLM)
- Burned Acres: 270,723 (+523)
- Containment: 93-percent (+13)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 221 (-332) / 33(-34)
- Structures Threatened-Single-Mixed Residential/Commercial: 145 (no change) / 0 (no change)
- Evacuations / Shelter in place: 50 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 3 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 6 (+3) / 0 (no change)
- Containment Date: August 2

Comments: Fire behavior was described as minimal during this reporting period, and additional perimeter growth is not likely. Mop-up operations are ongoing and will continue for the next couple of days. The management of the fire was expected to transition to a Type-3 IMT last night, and full containment is expected on Wednesday. The demobilization of resources continues.

## Nevada

### **Mahogany Fire**



- Start Date: July 23
- Location: Humboldt County, NV (BLM)
- Burned Acres: 5,121 (no change)
- Containment: 99-percent (+54)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 111 (-200) / 37 (-28)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-50) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (+2) / 0 (no change)
- Containment Date: August 1

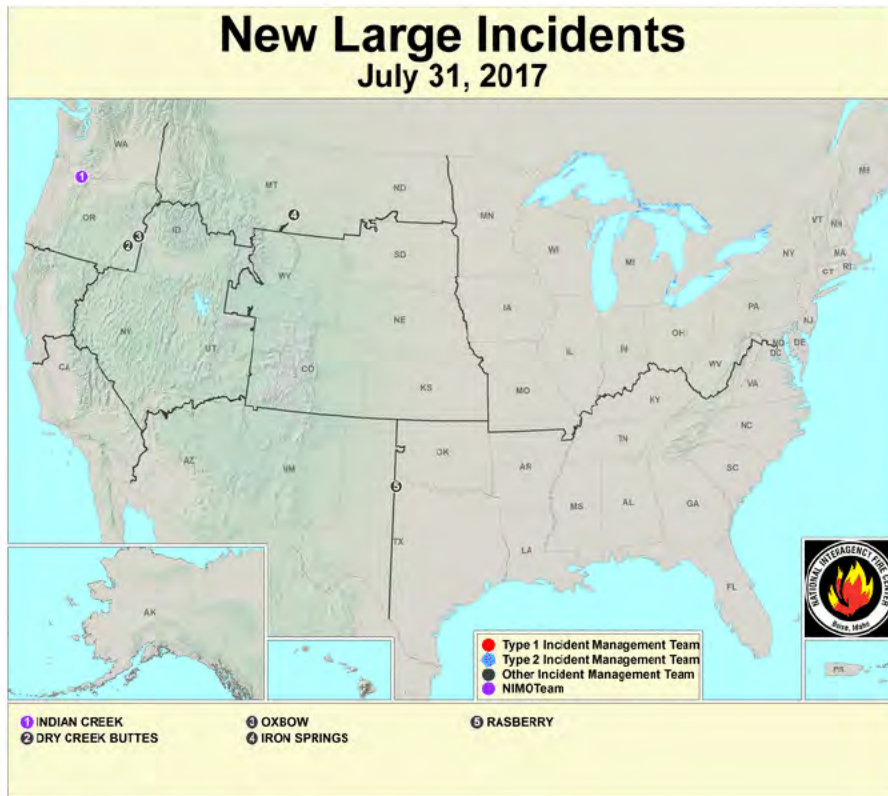
Comments: Fire behavior was described as minimal during this reporting period, and additional perimeter spread is not likely. Fire crews will continue to perform mop-up and patrol operations

until full containment occurs. The management of the fire was expected to transition to a Type-4 IMT on July 30.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Coe	Cassia, ID	BLM	3	1,500	0%	July 31
Wildhorse	Bingham, ID	BLM	3	7,000	0%	TBD
Liberty	Missoula, MT	BIA	3	1,100	0%	September 25
Microwave	Big Horn, MT	BIA	4	6,039	95%	July 31
Pole Creek	Elko, NV	BLM	3	2,500	20%	August 1
Upper Mine	Harney, OR	BLM	3	4,135	95%	August 2

**Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – July 31, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Light (242 new fires)
New large fires:	11
Large fires contained:	4
Uncontained large fires: **	35
Area Command Teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	7
Type 2 IMTs committed:	8

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **U.S. Bureau of Reclamation Dam Response Activity**

#### **Response Level 1 - Boysen Dam, Wyoming**

*Source: United States Bureau of Reclamation (USBR) - July 28, 2017*

On June 20, an Emergency Action Plan (EAP) Response Level 1 was declared at the Boysen Dam in Wyoming due to the reservoir water surface (RWS) elevation rising into the flood control pool. The reservoir elevation is expected to stabilize and begin to fall as the “runoff” is nearing an end. The Wyoming Area Office is currently coordinating releases from the dam with downstream authorities. On July 28, the RWS elevation was 4,724.7 feet, and the reservoir storage was approximately 735,925 acre-feet (af). On July 27, inflows were 3,097 cubic feet per second (cfs), and releases were 4,382 cfs. A Response Level 1 is the lowest of the USBR’s response levels and does not indicate a risk to the downstream population.

#### **Response Level 1 - Yellowtail Dam, Montana**

*Source: United States Bureau of Reclamation (USBR) - July 28, 2017*

On July 3, an EAP Response Level 1 was declared at the Yellowtail Dam in Montana due to the reservoir exceeding an elevation of 3,642.0 feet (2 feet into the exclusive flood control pool). When the RWS elevation is 3,642.0 feet, the reservoir begins to inundate the Black Canyon campground. As of July 28, the RWS elevation was 3,643 feet. On July 27, inflows were 5,211 cfs, while outflows were 8,212 cfs.—The USBR is coordinating with mission partners and will make release updates as needed.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslov, but continues to monitor satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network for signs of volcanic activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Elevated surface temperatures were observed in satellite images of the Cleveland Volcano, and web-camera views showed persistent steaming from the summit crater during the most recent observation period. No activity was detected in seismic or infrasound data from the volcano. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano. At the summit, tiltmeters recorded the onset of inflationary tilt, and the lava lake level was observed to be about 157 feet below the rim of the Overlook Crater on Sunday morning. On July 30, the HVO reported that a magnitude 4.2 earthquake occurred between the islands of Maui and Hawaii, but there was no apparent effect on Kilauea's ongoing eruption.

## **Earthquake Activity**

*Source: U.S. Geological Survey – July 28-29, 2017*

The USGS reported that a magnitude 5.1 earthquake occurred on July 28 at 8:02 p.m. EDT, approximately 54 miles to the west-northwest of Ferndale, California at a depth of 16.5 miles. A second earthquake, measuring 4.6 in magnitude, occurred on July 29 at 1:08 p.m. EDT, approximately 67 miles to the west of Arcata, California. Both earthquakes occurred offshore, outside of the contiguous zone of the U.S. The USGS issued a Green PAGER Alert for both earthquakes, indicating a low likelihood for damages or injuries. No tsunami threat existed for either earthquake.

## **Significant National Weather**

*Source: National Weather Service - July 31, 2017*

### **Today**

The newly formed Tropical Depression 6 is expected to make landfall today and central Florida can expect showers, thunderstorms, and gusty winds. Locally, flash flooding is a possibility. The monsoonal flow will continue across the southwestern U.S. and bring the threat of flash flooding to portions of eastern New Mexico, southern Colorado, and northern Texas. Heat watches, warnings, and advisories have been issued for portions of Washington, Oregon, California, and Nevada, where temperatures of 90-100 F are expected today. Elsewhere, a frontal system moving through the northern Plains, Great Lakes, and the Northeast will develop rain showers and thunderstorms this afternoon and evening in these regions.

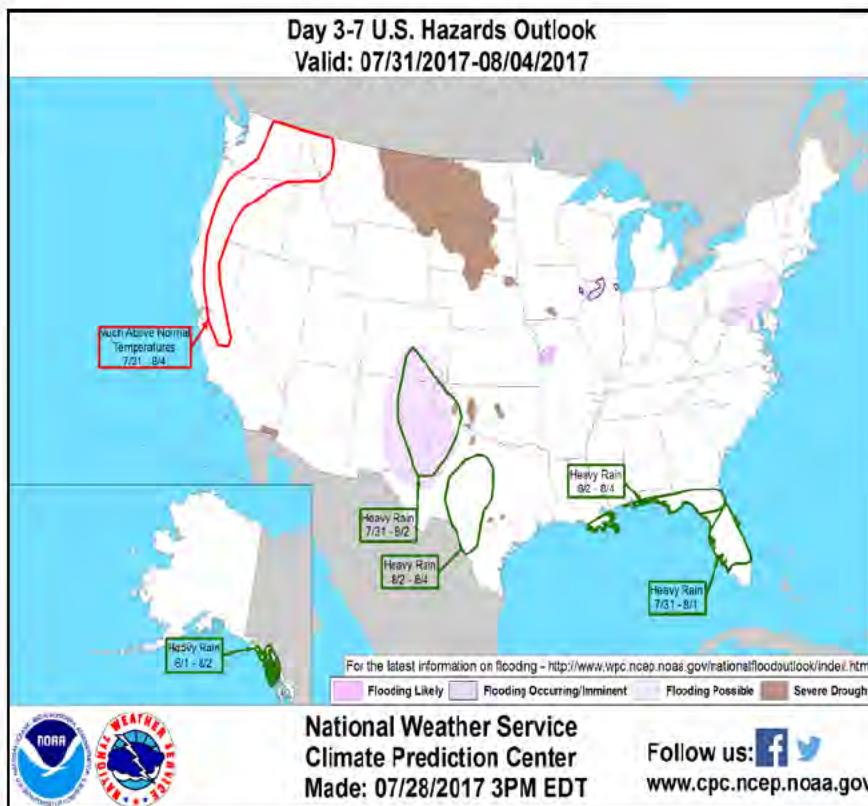
### **Tomorrow**

A frontal system moving through the northern Plains will help develop thunderstorms across the upper Mississippi Valley and northern Plains Tuesday morning, and will move from the upper Great Lakes to the northern high Plains by Tuesday evening. Showers and thunderstorms are forecasted to develop over parts of New England before a cold front moves off the Northeast Coast. A major heat wave is expected to intensify across Washington, Oregon, and northern California, where 105 F or higher temperatures will be possible across the valley regions of these states. Monsoonal flow will continue to bring the chance of rain and thunderstorms to the Southwest, into parts of the central and southern Rockies, and the central and southern high Plains. Flash flooding conditions will be possible across southwestern Arizona and southern New Mexico. Tropical Depression 6 will continue to bring rain showers and thunderstorms to the Florida peninsula.

### **Weather Hazard Assessment**

- July 31: Flooding is occurring, imminent, or likely for parts of the Midwest and middle Mississippi Valley.
- July 31: Flooding is possible for parts of the mid-Atlantic and the central Appalachians.

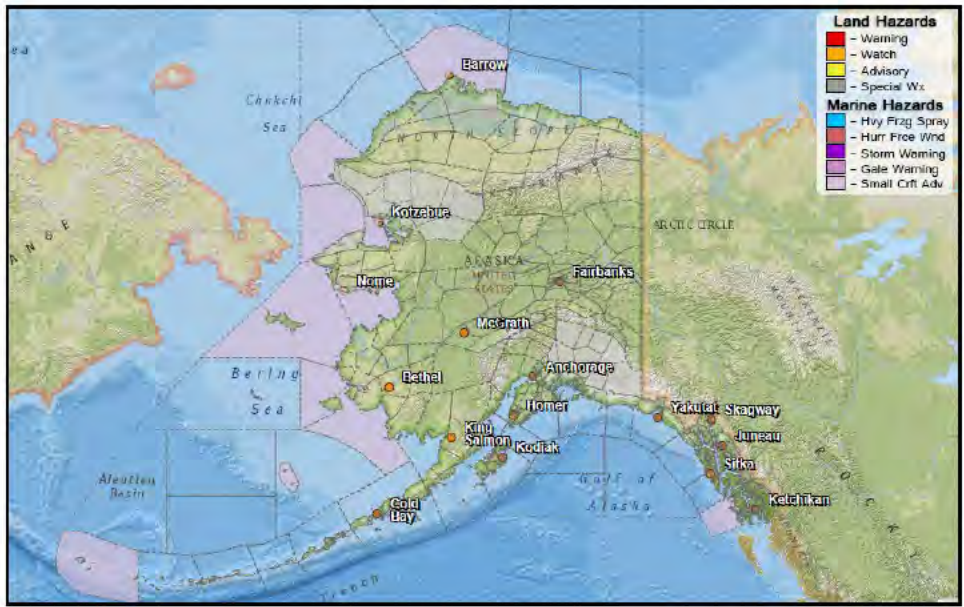
- July 31: Severe drought across portions of the Great Plains, Arizona, California, and Hawaii.
- July 31-August 1: Heavy rain for the central Florida Peninsula.
- July 31-August 2: Heavy rain for the central and southern high Plains and the central and southern Rockies.
- July 31-August 3: Flash flooding possible for parts of the central and southern Rockies and the central and southern high Plains.
- July 31-August 4: Much above-normal temperatures for portions of the northern Great Basin, the Pacific Northwest, the northern Plains, and California.
- August 1-2: Heavy rain for parts of the Alaska Panhandle.
- August 2-4: Heavy rain across the southern Great Plains.
- August 2-4: Heavy rain for parts of the central and eastern Gulf Coast and northern Florida.



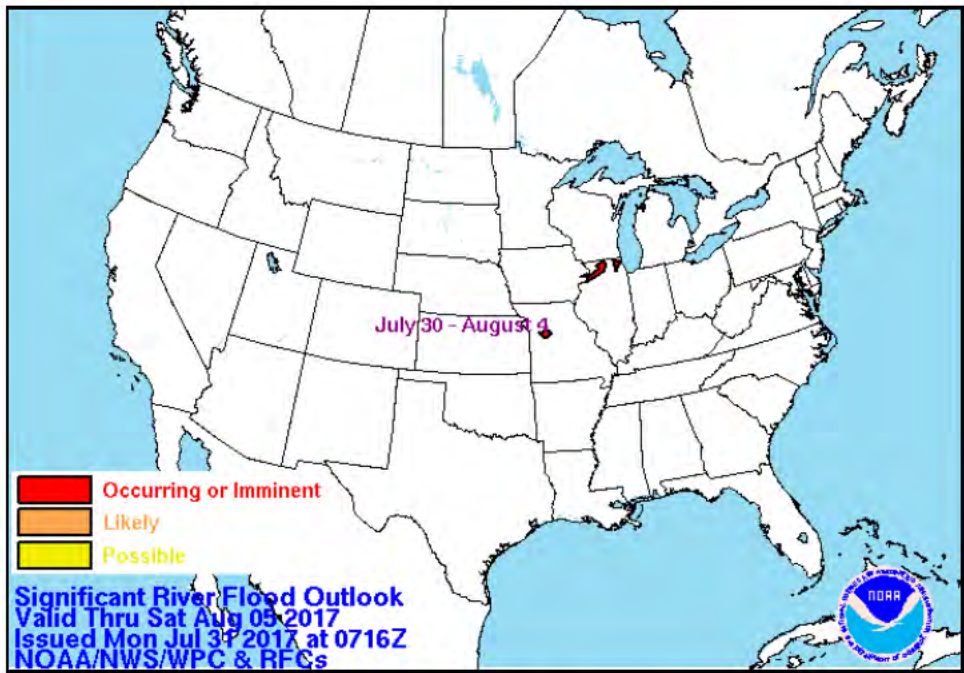
## Alaska Weather

A Small Craft Advisory is in effect for portions of the western Aleutian Islands, the Pribilof Islands, St. Lawrence Island, Nunivak Island, and from Dixon Entrance to Cape Decision. A Small Craft Advisory is also in effect in the Kuskokwim Delta, the Etolin Strait, the Norton Sound, the Kotzebue Sound, from Dall Point to Cape Beaufort, and from Point Franklin to Cape Halkett. The National Weather Service has issued a Special Weather Statement for high water on the Tazlina Lake and the Tazlina River, and for heavy rain in portions of northwestern Alaska, near Kotzebue.





**Significant River Flooding**



Significant River Flooding is imminent or occurring across portions of northern Illinois, eastern Iowa, and east-central Missouri.

## Severe Weather

There is a Marginal Risk of severe thunderstorm activity today across portions of North Dakota and northwestern Minnesota.



## Tornado Weather

There is less than a 2-percent chance of tornado activity across the U.S. today.

## Fire Weather

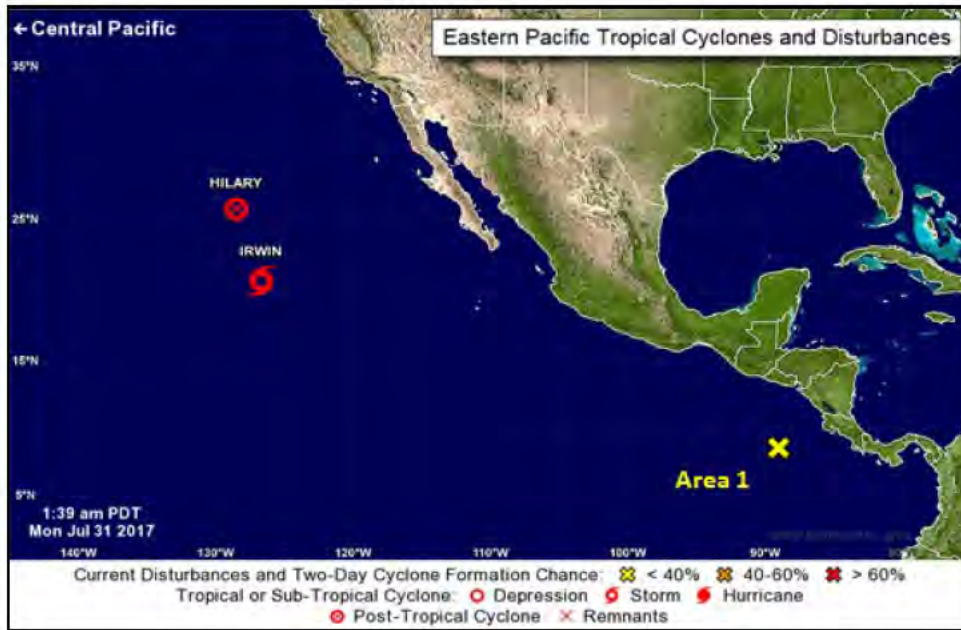
There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

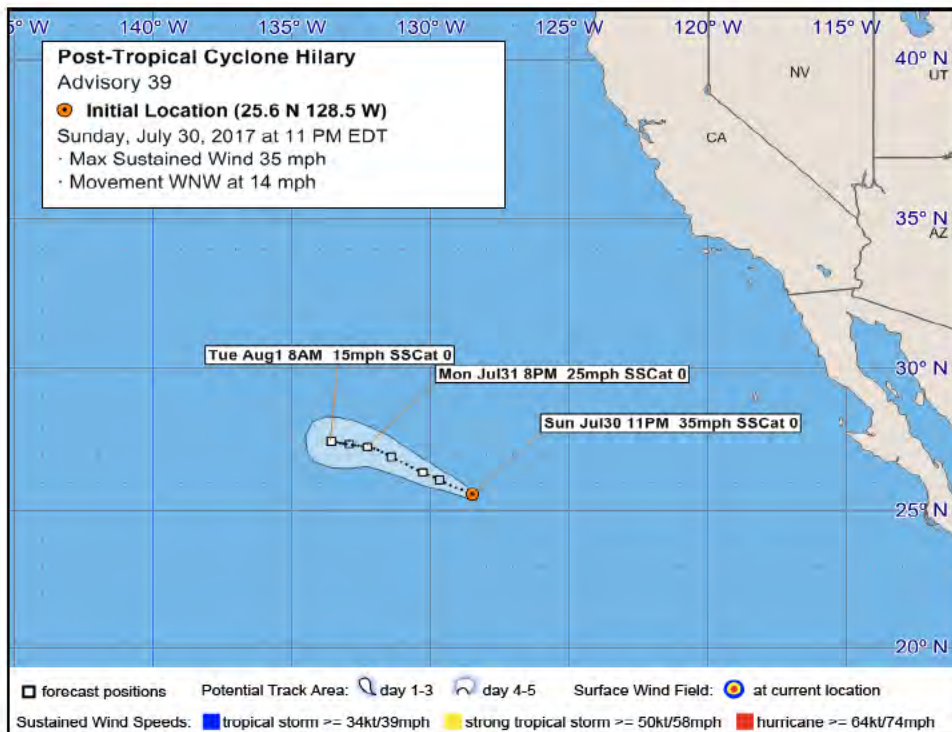
Source: National Weather Service/National Hurricane Center – July 31, 2017

## Eastern Pacific Ocean

**Area 1:** A large area of cloudiness and showers located over the far eastern Pacific Ocean is associated with a tropical wave. Environmental conditions appear conducive for some slow development of this disturbance during the next several days while it moves west-northwestward at 10 to 15 miles per hour (mph). This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.



### Post-Tropical Cyclone Hilary



*HURREVAC Image*

The National Hurricane Center is reporting that Hilary has degenerated into a remnant low. As of 11:00 p.m. EDT on July 30, Post-Tropical Cyclone Hilary was located approximately 1,185 miles west-northwest of the southern tip of Baja California, Mexico, and moving toward the west-northwest at 14 mph. This general motion is expected to continue for the next couple of

days. Maximum sustained winds are 35 mph, with higher gusts. There are no coastal watches or warnings in effect at this time, and additional reporting on Hilary is not expected.

### Tropical Storm Irwin

As of 5:00 a.m. EDT, Tropical Storm Irwin was located approximately 1,085 miles west-southwest of the southern tip of Baja California, Mexico, and moving west-northwest at 13 mph. This general motion, with an increase in forward speed, is expected today. Maximum sustained winds are near 60 mph, with higher gusts, and the storm is expected to weaken during the next 48 hours. There are no coastal watches or warnings in effect at this time.



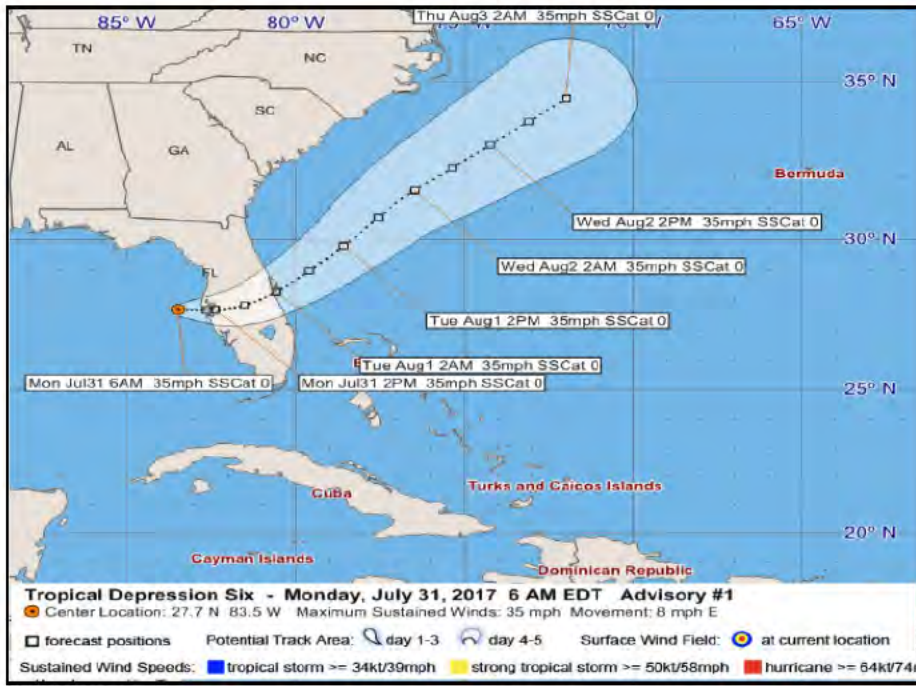
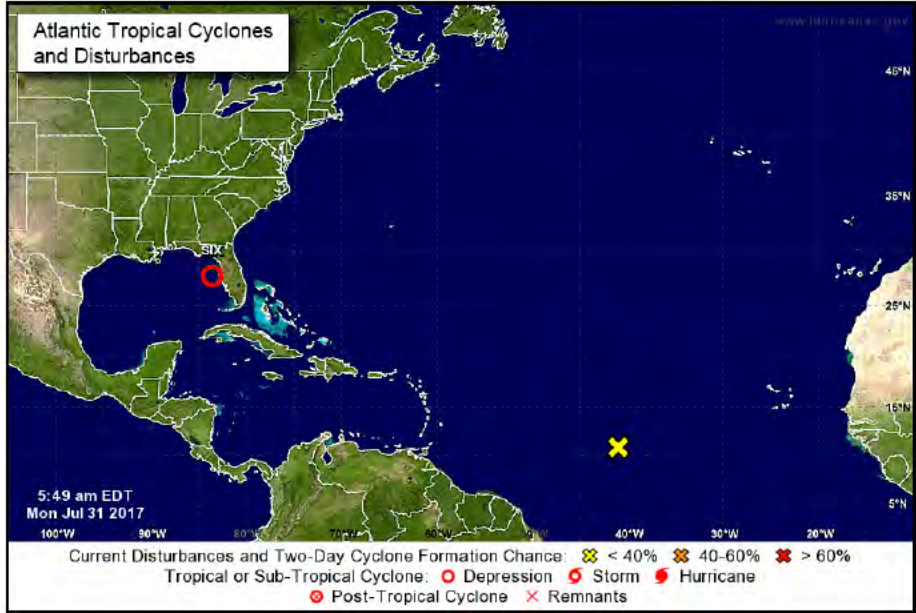
HURREVAC Image

### Atlantic Ocean/Gulf of Mexico

#### Tropical Depression Six

At 6:00 a.m. EDT, the center of Tropical Depression Six was about 65 miles west-southwest of Tampa, Florida. The depression is moving toward the east near 8 mph and this general motion is expected to continue today. A turn toward the northeast and an increase in forward speed are expected tonight or Tuesday. On the forecast track, the center of the depression is expected to move inland over the central Florida peninsula later today and move across central Florida through tonight. The depression is forecast to move offshore of the east-central Florida coast early Tuesday. Maximum sustained winds are near 35 mph with higher gusts. Little change in strength is forecast during the next 48 hours.

**Area 2:** Shower activity associated with a tropical wave located about midway between western Africa and the Lesser Antilles remains limited. Any development of this system is expected to be slow to occur over the next several days while the system moves westward to west-northwestward at 10 to 15 mph. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.



HURREVAC Image

## **Other News and Notes:**

### **Northern West Virginia Flooding**

*Source: Federal Emergency Management Agency - July 31, 2017*

Thunderstorms and heavy rain passed through portions of northern West Virginia Friday night through Saturday morning causing flash flooding in multiple counties. According to FEMA, up to 11 counties, infrastructure, and 400 homes could have potentially been impacted. There have been no significant power outages reported.

The West Virginia EOC is currently at Partial Activation, and a State of Emergency has been declared in Ohio, Marshall, Wetzel, Marion, Monongahela, and Harrison counties. The West Virginia National Guard has been activated to support response activities. FEMA reports that the Region III Regional Response Coordination Center is not activated at this time, but a Liaison Officer has been deployed to the West Virginia EOC. Preliminary Damage Assessments are scheduled to begin on August 2.

According to the Interior Geospatial Emergency Management System (IGEMS), the Ohio River Islands National Wildlife Refuge is located in close proximity to the areas where the flooding occurred. As of this morning, there have been no reported impacts to the refuge.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, August 1, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 1, 2017*

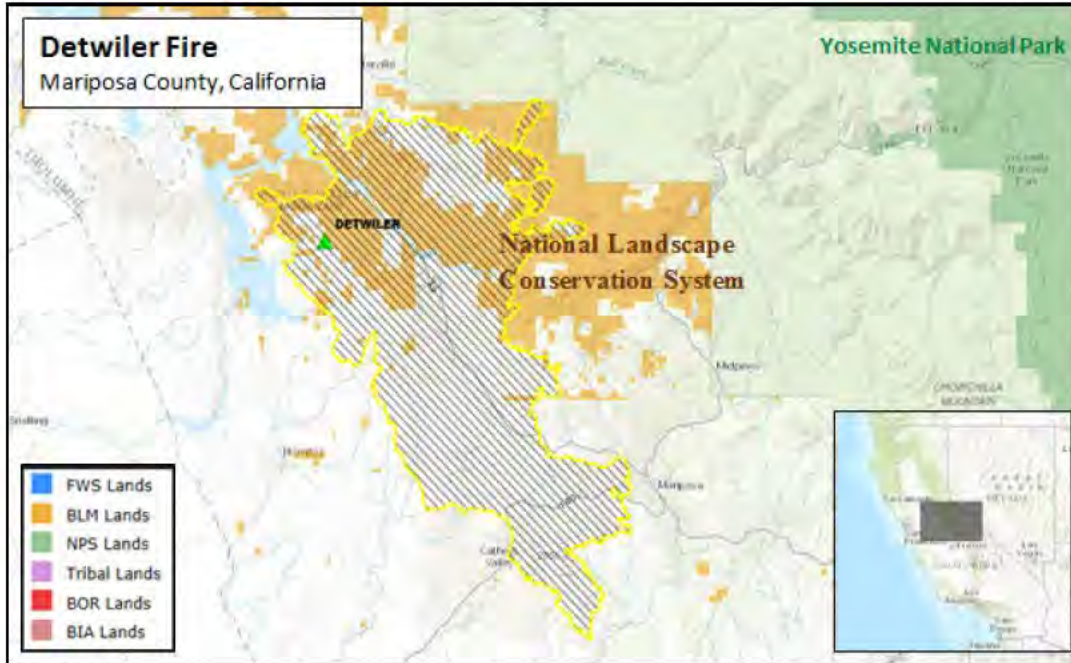
The **Microwave Fire** (Montana), the **Mahogany Fire** (Nevada), and the **Upper Mine Fire** (Oregon) reached 100-percent containment and will no longer be summarized in this report.

## California

### **Detwiler Fire**

- Start Date: July 16
- Location: Mariposa County, CA (CAL FIRE)
- Burned Acres: 81,826 (no change)
- Containment: 90-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 1,635 (-755) / 13 (-6)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 7

Comments: Fire behavior was described as minimal during this reporting period, and fire lines continue to hold. All evacuation orders have been lifted, and re-population has been completed. During the next couple of days, fire crews will perform patrol and mop-up operations.



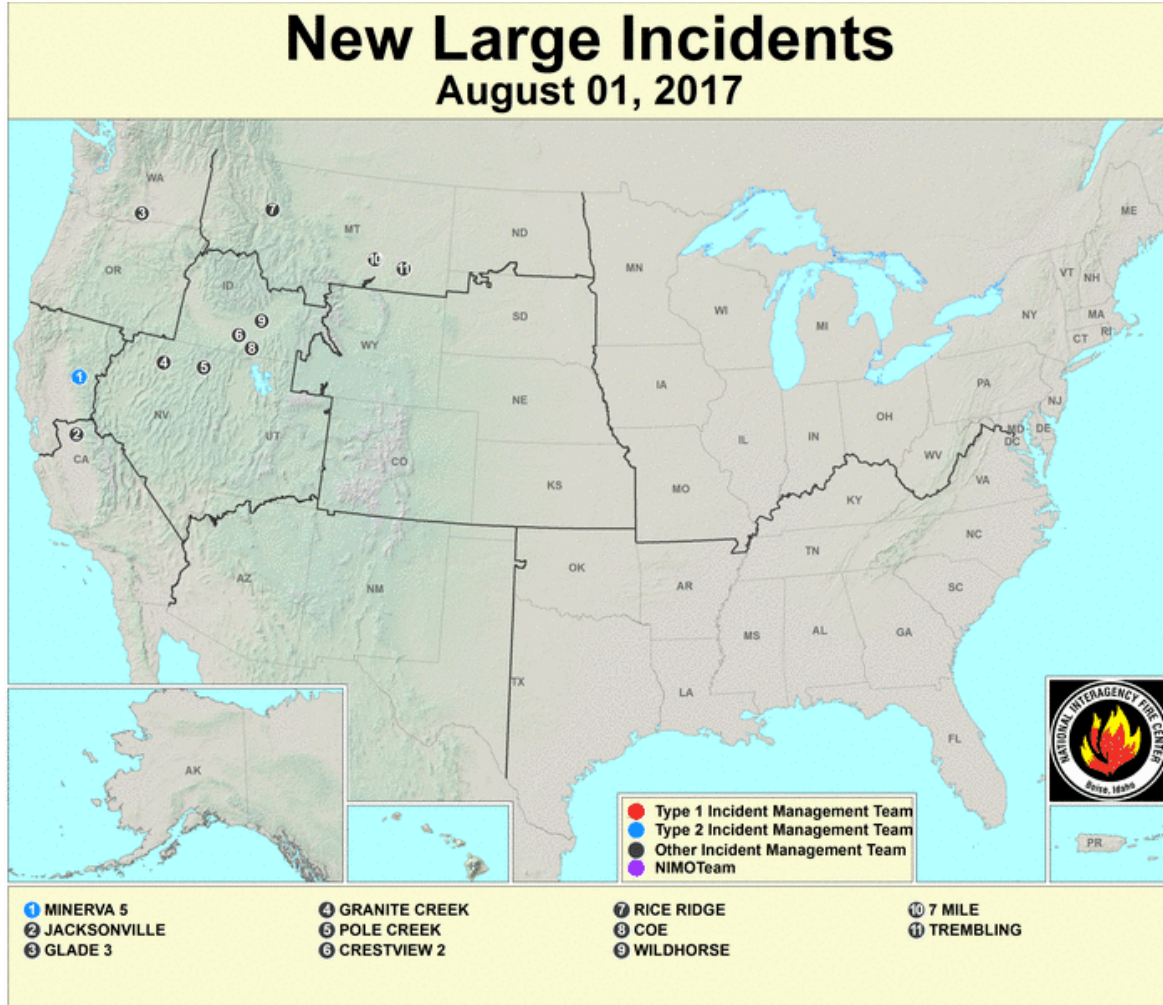
IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Coe	Cassia, ID	BLM	3	1,059	55%	August 1
Wildhorse	Bingham, ID	BLM	3	25,712	50%	July 31
Liberty	Missoula, MT	BIA	3	2,500	0%	September 25
Lodgepole Complex	Garfield, MT	BLM	3	270,723	94%	August 2
Pole Creek	Elko, NV	BLM	3	6,000	70%	August 3



## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 1, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (108 new fires)
New large fires:	5
Large fires contained:	9
Uncontained large fires: **	29
Area Command Teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	6
Type 2 IMTs committed:	10

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **U.S. Bureau of Reclamation Dam Response Activity**

### **Response Level 1 - Yellowtail Dam, Montana (Final)**

*Source: United States Bureau of Reclamation (USBR) - July 31, 2017*

On July 3, an Emergency Action Plan (EAP) Response Level 1 was declared at the Yellowtail Dam in Montana due to the reservoir exceeding an elevation of 3,642.0 feet (2 feet into the exclusive flood control pool). When the reservoir water surface (RWS) elevation is 3,642.0 feet, the reservoir begins to inundate the Black Canyon campground. As of July 28, the RWS elevation was 3,642 feet, and further decline is anticipated. The Response Level 1 has been cancelled. The USBR has communicated with mission partners regarding the reservoir operations and the current elevation. This is the final situation report for this event.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslov, but continues to monitor satellite images, seismic, and infrasound instruments on nearby islands, as well as lightning data from the Worldwide Lightning Location Network, for signs of volcanic activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – July 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Elevated surface temperatures were observed in satellite images of the Cleveland Volcano, and web-camera views showed persistent steaming from the summit crater during the most recent observation period. No activity was detected in seismic or infrasound data from the volcano. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – July 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano. At the summit, tiltmeters recorded the onset of inflationary tilt, and the lava lake level was observed to be about 138 feet below the rim of the Overlook Crater on Monday morning.

## **Significant National Weather**

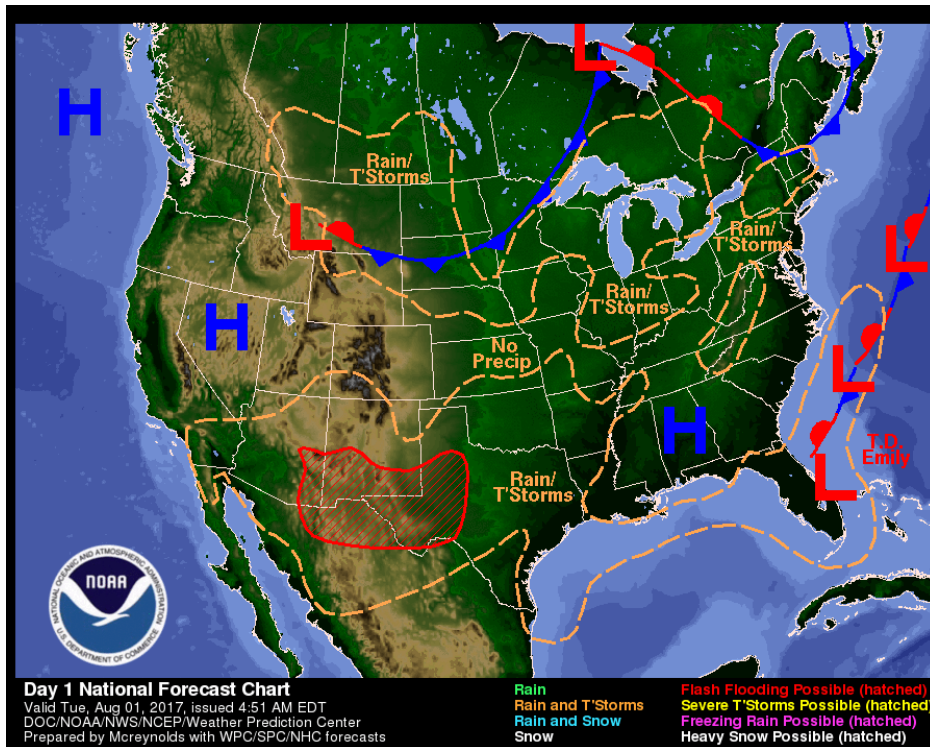
*Source: National Weather Service - August 1, 2017*

### **Today**

Tropical Depression Emily will continue to move away from the east-central coast of Florida; however, rain and thunderstorms will continue from the Florida Peninsula west along the immediate coastal regions to Texas. To the north, isolated showers and thunderstorms will develop over the central and southern Appalachians and portions of the Northeast. A frontal system will dive into the upper Midwest and northern Plains. Rain and thunderstorms will develop across the Great Lakes, portions of the Midwest, the upper Midwest, and western high Plains. Isolated severe thunderstorms capable of a few instances of hail and locally strong to damaging wind gusts are expected from southeast Montana, western South Dakota, and northeast Wyoming, into northwest Nebraska, this afternoon and evening. Afternoon and evening showers and thunderstorms will develop over the Southwest and west Texas producing areas of heavy rain. Some of this heavy rain will lead to localized areas of flooding and flash flooding. Elsewhere, very warm temperatures are expected from southern California north into the Pacific Northwest. Temperatures across these regions will range 10 to 15 degrees above normal and Heat Advisories and Excessive Heat Warnings are in effect.

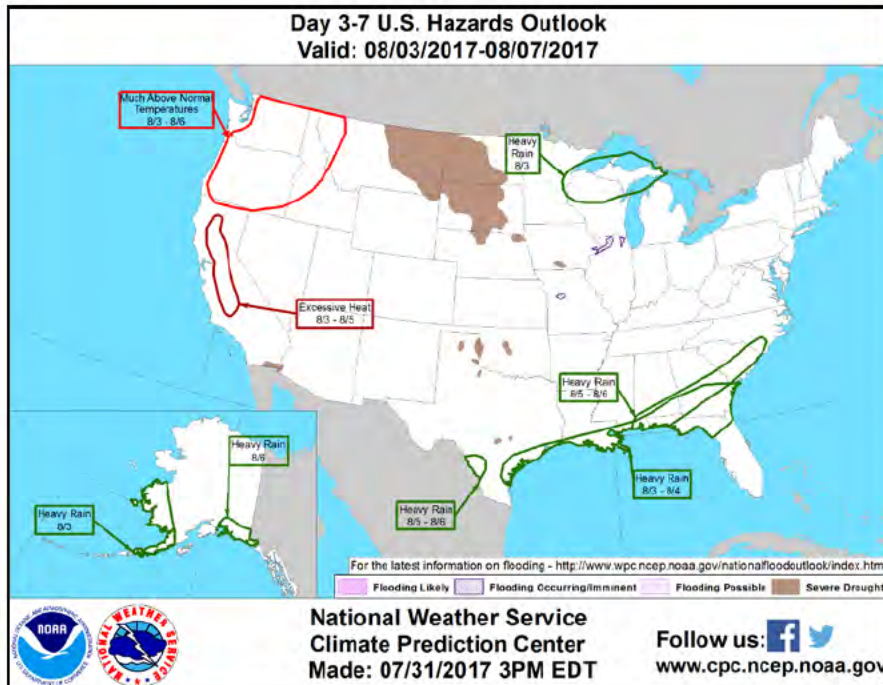
### **Tomorrow**

Tropical Depression Emily will be well off the Southeast coast moving northeast; however, rain and thunderstorms will once again develop from the Florida Peninsula west along the Gulf Coastal regions to Texas. A frontal boundary will stretch from eastern Canada through the Great Lakes to the northern Plains. Rain and thunderstorms will develop from New England to the southern Appalachians, lower Ohio Valley, and lower Mississippi Valley, with additional showers and thunderstorms developing over the upper Midwest, most of the Great Plains, and Rockies. Heavy rain will be possible from eastern South Dakota to the Iowa and Minnesota border region where flash flooding will also be possible. Elsewhere, monsoon related afternoon and evening showers and thunderstorms will continue across the Southwest.

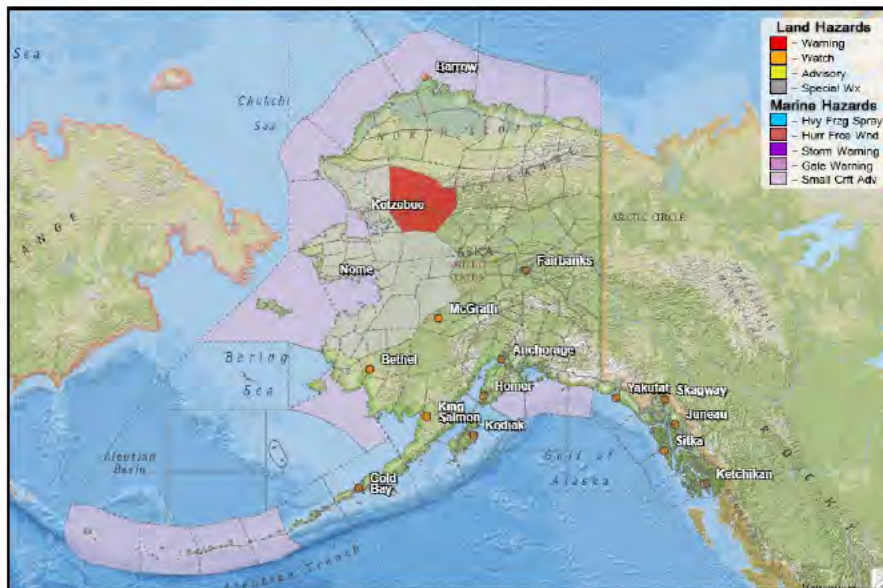


## Weather Hazard Assessment

- August 3: Heavy rain across portions of the Great Lakes and the upper Mississippi Valley.
- August 3: Heavy rain across portions of mainland Alaska.
- August 3-4: Heavy rain across portions of the Southeast, the lower Mississippi Valley, and the southern Plains.
- August 3-5: Excessive heat across portions of California.
- August 3-6: Much above normal temperatures across portions of California, the central Great Basin, the Pacific Northwest, the northern Rockies, and the northern Great Basin.
- August 5-6: Heavy rain across portions of the Southeast and the southern Plains.
- August 6: Heavy rain across portions of the Alaska Panhandle and mainland Alaska.
- August 8-9: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- August 8-10: Slight risk of much above normal temperatures for portions of California, the central Great Basin, the Pacific Northwest, and the northern Great Basin.
- Severe Drought across the central Plains, the northern Plains, Hawaii, the middle Mississippi Valley, California, the southern Plains, and the Southwest.

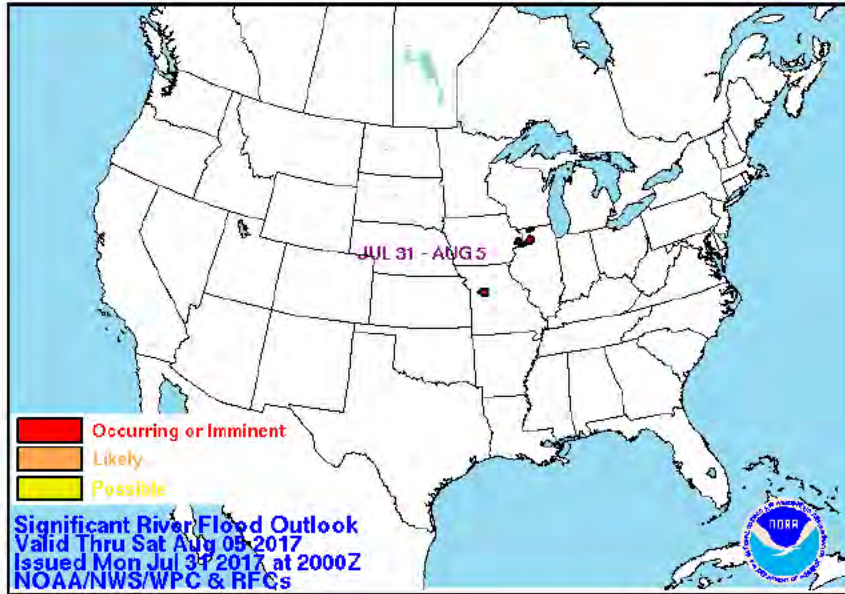


## Alaska Weather



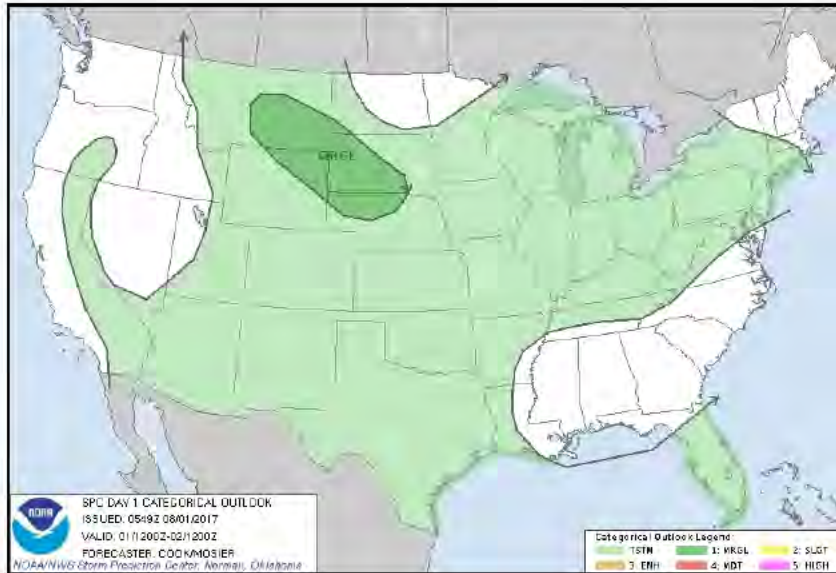
A Small Craft Advisory is in effect for portions of the western and central Aleutian Islands, the central Gulf of Alaska, the Pribilof Islands, and St. Lawrence Island. A Small Craft Advisory is also in effect in the Kuskokwim Delta, the Etolin Strait, the Norton Sound, the Kotzebue Sound, and from Dall Point to Demarcation Point. The National Weather Service has issued a High Wind Warning for portions of the western Brooks Range and a Special Weather Statement due to heavy rains expected through Wednesday for a large portion of western Alaska.

## Significant River Flooding



Significant River Flooding is occurring or imminent across portions of northwest Illinois, eastern Iowa, and west-central Missouri.

## Severe Weather

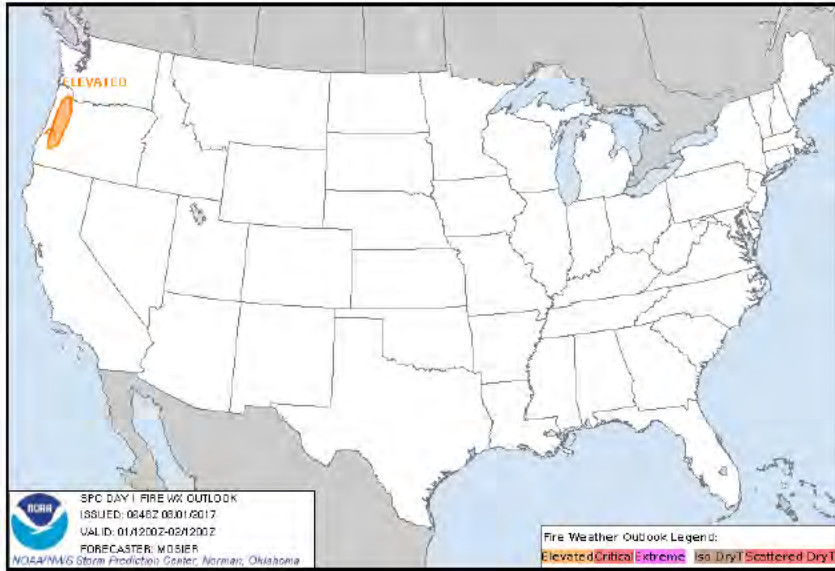


There is a Marginal Risk of severe thunderstorm activity today from central Montana southeastward to northern Nebraska.

## Tornado Weather

There is less than a 2-percent chance of tornado activity across the U.S. today.

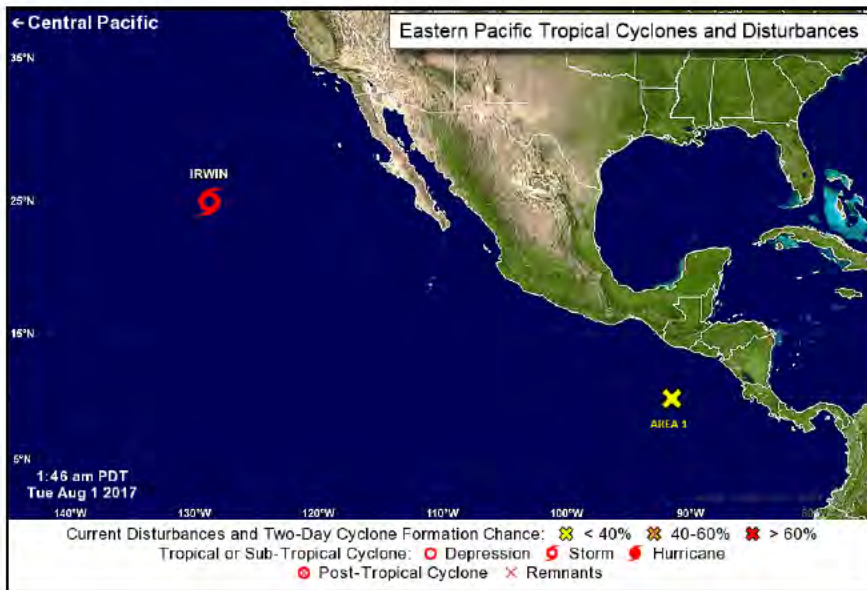
## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for portions of western Oregon.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 1, 2017



**Area 1:** A disorganized system bringing clouds and thunderstorms located several hundred miles south-southeast of the Gulf of Tehuantepec is associated with a tropical wave. Environmental conditions appear favorable for slow development of this disturbance during the next several days while it moves west-northwestward at 10 to 15 miles per hour (mph) south of the coast of Mexico. Upper-level winds will likely become unfavorable for development by

Friday. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

## Tropical Storm Irwin



HURREVAC Image

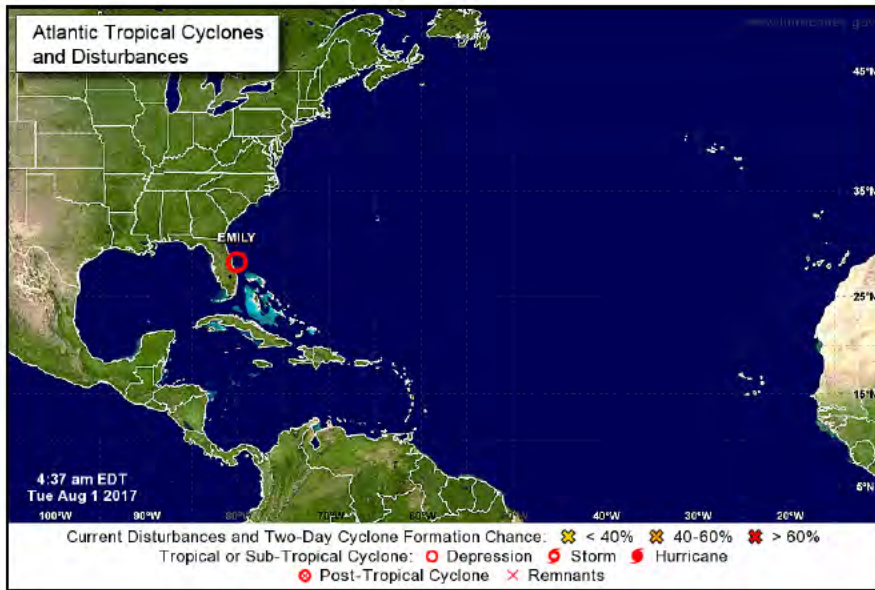
As of 5:00 a.m. EDT, Tropical Storm Irwin was located approximately 1,200 miles west of the southern tip of Baja California, Mexico, and moving north-northwest at 13 mph. A turn toward the northeast, with a decrease in forward speed, is expected later today. Maximum sustained winds are near 45 mph, with higher gusts, and the storm is expected to weaken into a remnant low later today. There are no coastal watches or warnings in effect at this time for Tropical Storm Irwin.

## Atlantic Ocean/Gulf of Mexico

### Tropical Depression Emily

At 5:00 a.m. EDT, the center of Tropical Depression Emily was located about 50 miles north-northeast of Vero Beach, Florida. Emily is moving toward the east near 12 mph. A turn toward the northeast and an increase in forward speed is expected today. The center of the depression is expected to move offshore of the east-central Florida coast and accelerate northeastward well off the western Atlantic through Wednesday. Maximum sustained winds are near 30 mph, with higher gusts. Emily may gain strength over the Atlantic Ocean, but could also decrease and become an extratropical low during the next 48 hours. There are no coastal watches in effect for Tropical Depression Emily.





HURREVAC Image

**Other News and Notes**

**Sewage Spill - Santa Cruz County, Arizona**

**General Situation**

Source: Federal Emergency Management Agency - July 31, 2017

On July 25, the International Outfall Interceptor (IOI) sewage line along the U.S. and Mexico border breached, causing millions of gallons of sewage and heavy metal contaminants to spill into the Nogales Wash and the Santa Cruz River in Arizona.

Progress continues to be made on welding the pipeline. After the IOI is plugged and the by-pass pipeline is installed, the IOI pipeline will be flushed to remove sewage and sediment so it can be inspected internally for breaks. The sewage plant is reportedly becoming overwhelmed with sediment and gravel, causing the plant to re-route inflow to holding lagoons. A contractor has been identified to clear the IOI line of sediment. Department of Environmental Quality conducted sampling yesterday at the breach site, as well as downstream of the breach. A sampling was reportedly also completed on tribal land in Pinal County, but the results of those samples have not been released.



*\*End of Report\**

**Distribution:**

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- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, August 2, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 2, 2017*

The **Wildhorse Fire** in Idaho reached 100-percent containment and will no longer be summarized in this report. The **Detwiler Fire** in California (CAL FIRE) is no longer monitored by the Department of Homeland Security and will no longer be summarized.

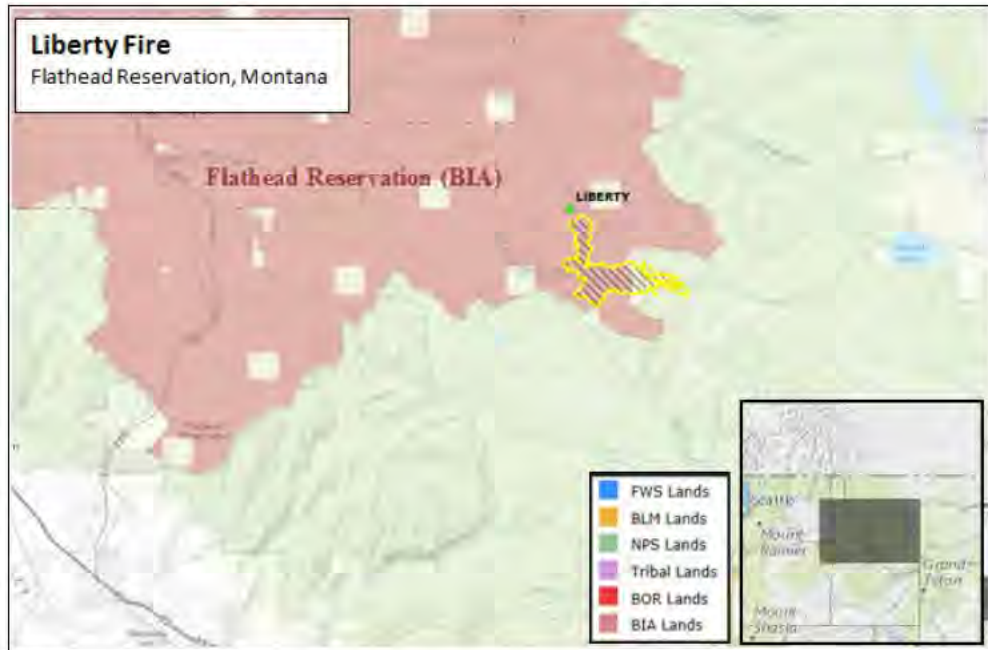
## Montana

### **Liberty Fire**

- Start Date: July 15
- Location: Flathead Reservation, Montana (BIA)
- Burned Acres: 2,523 (+23)
- Containment: 0-percent
- Management: Type-1 IMT
- Personnel Assigned / DOI: 195 (+74) / 112 (-9)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 25

Comments: Fire behavior was described as active during this reporting period, with flanking, backing, and torching. An evacuation warning was issued for the Finley Creek and Placid Lake areas. Cultural resources and endangered species habitats are threatened.



IGEMS Image

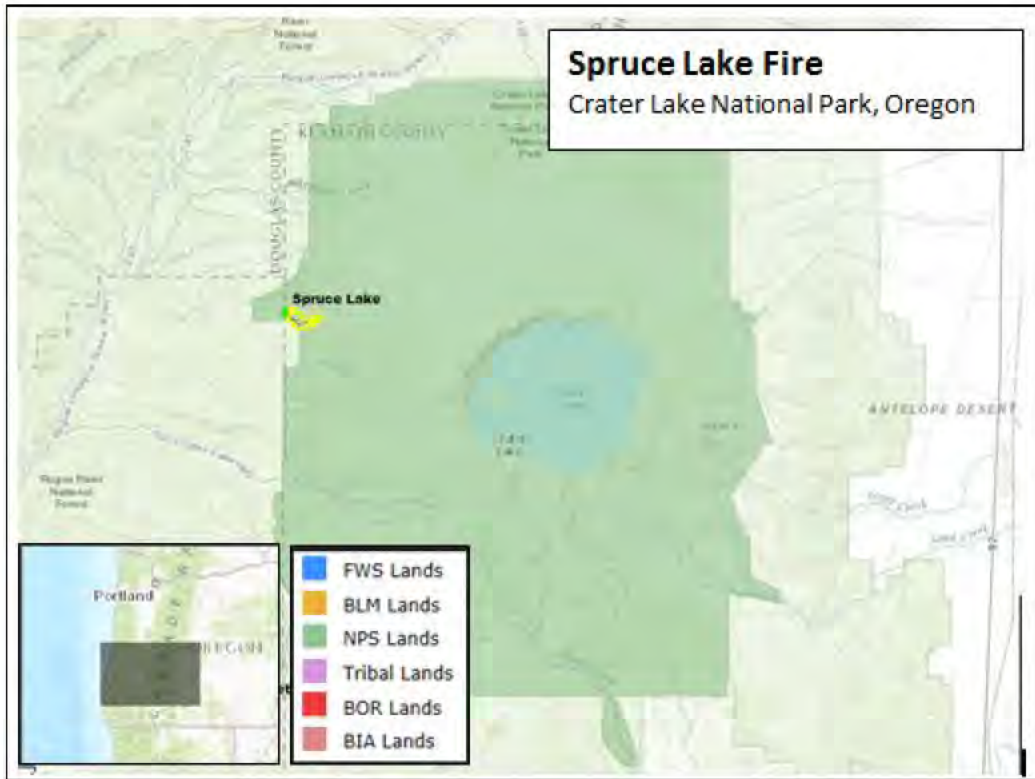
## Oregon

### **Spruce Lake Fire (Initial)**

- Start Date: July 29
- Location: Crater Lake National Park, Oregon (NPS)
- Burned Acres: 1,200
- Containment: 5-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 118 / 19
- Structures Threatened-Single-Mixed Residential/Commercial: 0 / 0
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 1 / 0
- Containment Date: August 14

Comments: Fire behavior was described as extreme during this reporting period, with crowning, spotting, and running. The fire is located within Crater Lake National Park. Significant fire growth is anticipated, which could eventually threaten the Park's Visitor Center, the Crater Lake

community, the habitat of the northern spotted owl, and sensitive aquatic, plant, and animal species.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Coe	Cassia, ID	BLM	3	1,065	70%	August 3
Lodgepole Complex	Garfield, MT	BLM	3	270,723	95%	August 2
Delano	Elko, NV	BLM	3	8,500	5%	August 5
Pole Creek	Elko, NV	BLM	3	6,540	83%	August 2

## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 2, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Light (147 new fires)
New large fires:	6
Large fires contained:	4
Uncontained large fires: **	28
Area Command Teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	5
Type 2 IMTs committed:	10

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Elevated surface temperatures were observed in satellite images of the Cleveland Volcano, and web-camera views showed minor steaming from the summit crater during the most recent observation period. Satellite data shows that the lava dome surface area has increased approximately 75-percent since July 25, and slow growth continues.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 1, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismicity levels across the volcano.

### **Significant National Weather**

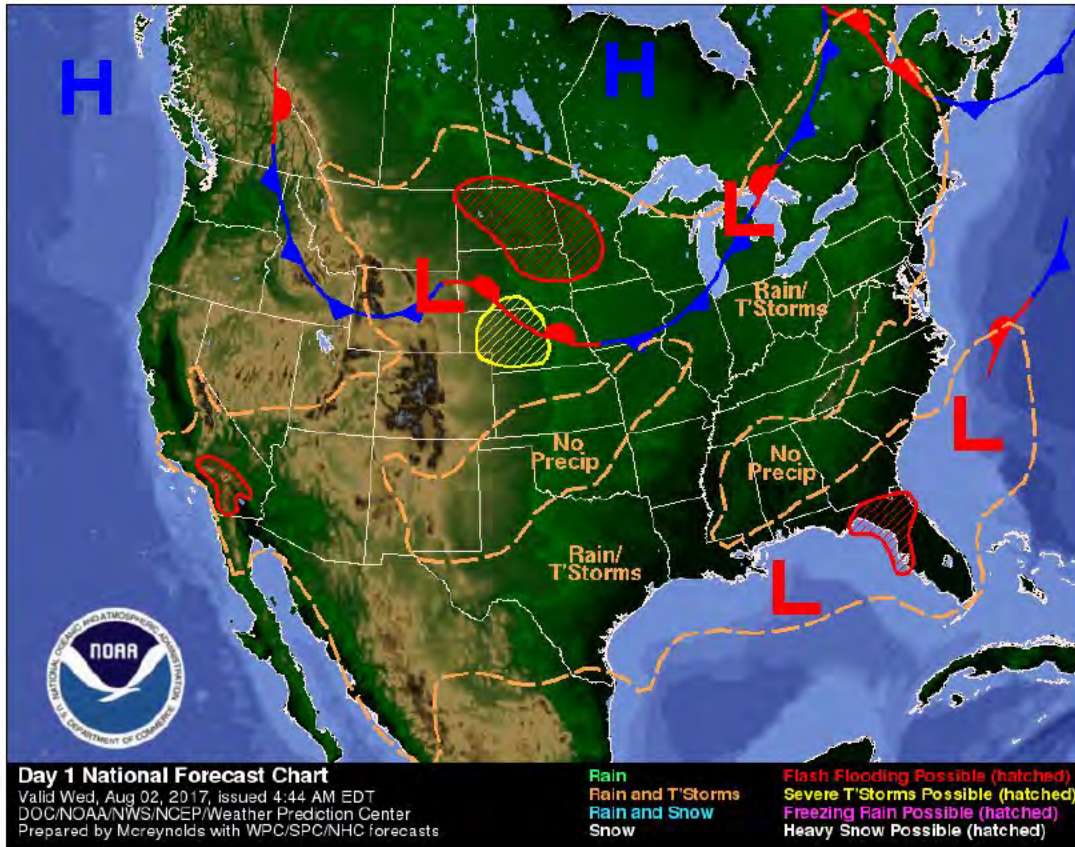
Source: National Weather Service - August 2, 2017

#### **Today**

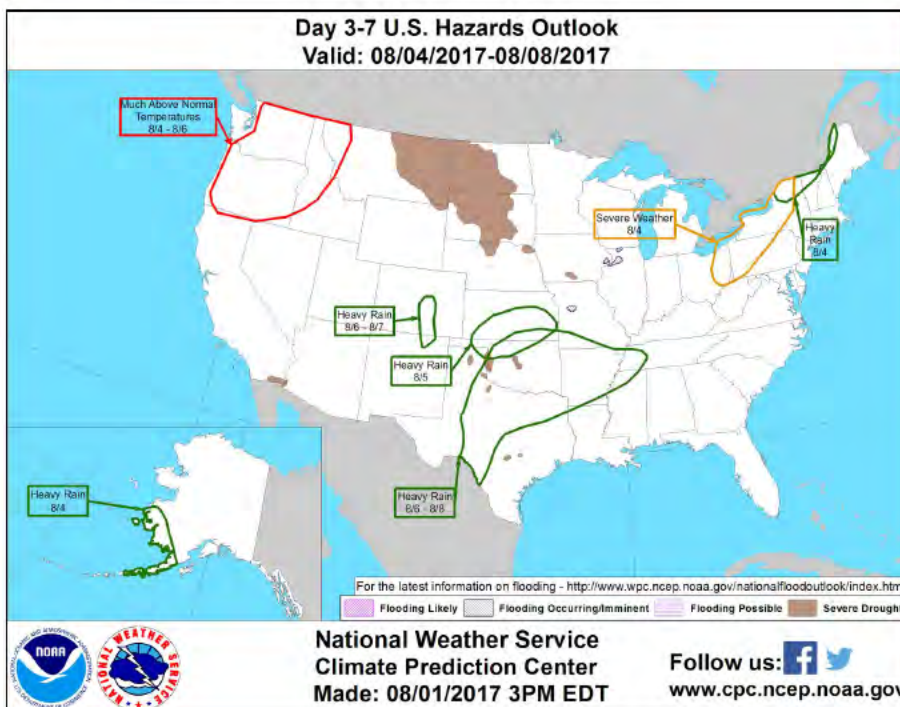
Rain will be heavy across the northern Florida Peninsula with the possibility of flash flooding. Scattered showers and thunderstorms will stretch from New England southwest into the lower Ohio and Tennessee valleys. Widespread showers and thunderstorms will be possible from the Great Lakes across the high Plains and into the central Plains. Scattered thunderstorms will pose a threat for hail, damaging wind gusts, and perhaps a tornado or two across western and central Nebraska. The Southwest will continue to see monsoonal moisture streaming in over the next few days, fueling scattered afternoon and evening showers and storms. Strong high pressure situated over the West Coast will result in many locations setting record high temperatures, and some sites coming close to all-time record highs. Triple digit temperatures will be common from Washington State to California in areas away from the coast.

#### **Tomorrow**

Heavy rain and flash flooding will be possible for a small portion of the Florida Panhandle. Widespread rain and thunderstorms will develop across New England, the Northeast, the Great Lakes, the upper Midwest, the Ohio and Tennessee valleys, and the southern Plains. Scattered severe thunderstorms are possible across parts of Illinois, Wisconsin, eastern Iowa, and northwest Indiana, with hail, wind, and isolated tornadoes. Isolated severe storms are possible in surrounding lower Michigan southward to the Ohio river, and across parts of the southern high Plains. Monsoonal related afternoon and evening showers and thunderstorms will develop once again across the Desert Southwest, Four Corners, and central Rockies. Heavy rain, which could produce regions of flash flooding, will be possible for northeast New Mexico and immediate surrounding areas.



### Weather Hazard Assessment

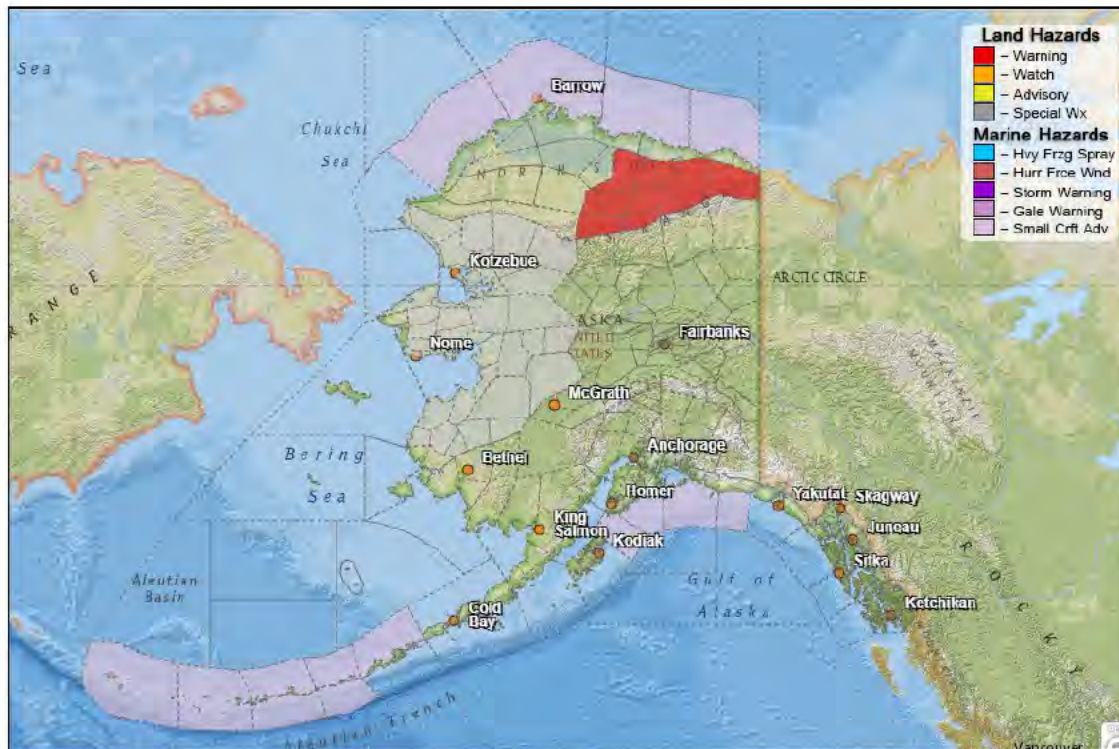




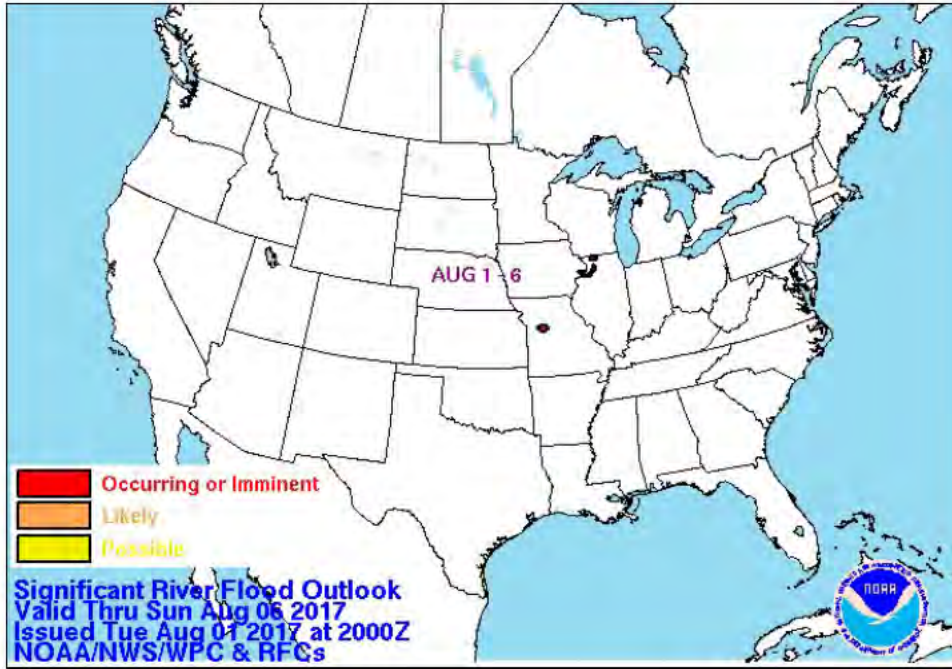
- August 4: Heavy rain across portions of the Northeast and the Great Lakes.
- August 4: Severe weather across portions of the Great Lakes, the mid-Atlantic, the Northeast, the central Appalachians, and the Ohio Valley.
- August 4: Heavy rain across portions of mainland Alaska and the Aleutians.
- August 4-6: Much above normal temperatures across portions of California, the central Great Basin, the Pacific Northwest, the northern Rockies, and the northern Great Basin.
- August 5: Heavy rain across portions of the central and the southern Plains.
- August 6-7: Heavy rain across portions of the southern Rockies, the central Rockies, the southern Plains, and the central Plains.
- August 6-8: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, the southern Plains, and the Tennessee Valley.

## Alaska Weather

A Small Craft Advisory is in effect for portions of the western and central Aleutian Islands, the central Gulf of Alaska, and from Cape Beaufort to Demarcation Point. The National Weather Service issued a High Wind Warning for portions of the eastern North Slope and Brooks Range. A Special Weather Statement was also issued for a large portion of western Alaska due to heavy rains expected today.

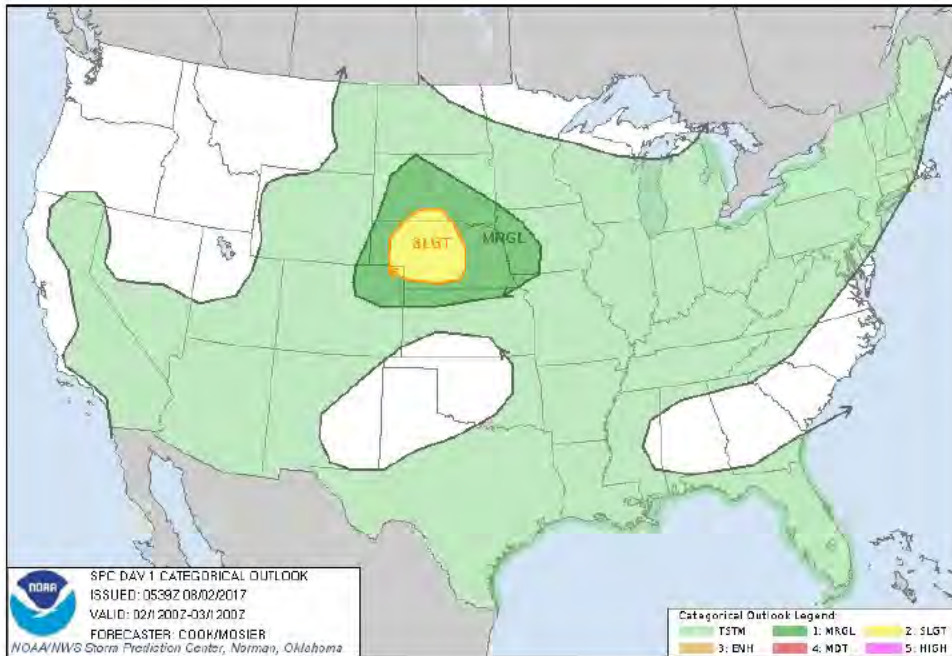


## Significant River Flooding



Significant River Flooding is occurring or imminent across portions of northwest Illinois, eastern Iowa, and west-central Missouri.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity across central and western Nebraska, southern South Dakota, and northeastern Colorado. There is a Marginal Risk of severe thunderstorms across a broader portion of the central and northern Plains.

### **Tornado Weather**



There is a 2-percent chance of tornado activity today across portions of central Nebraska and southern South Dakota.

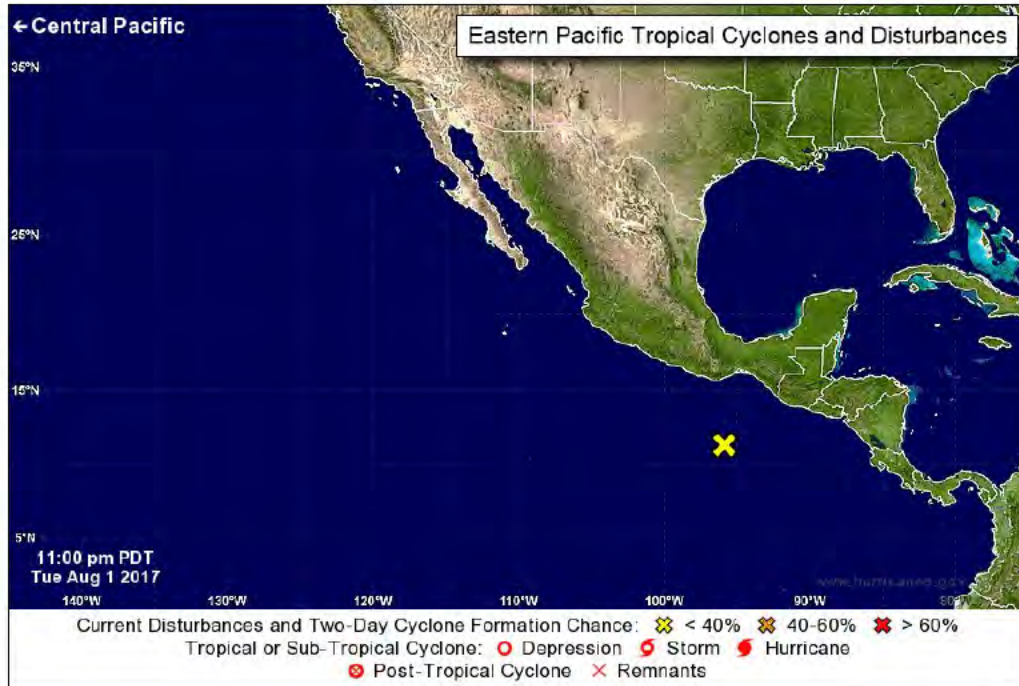
### **Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

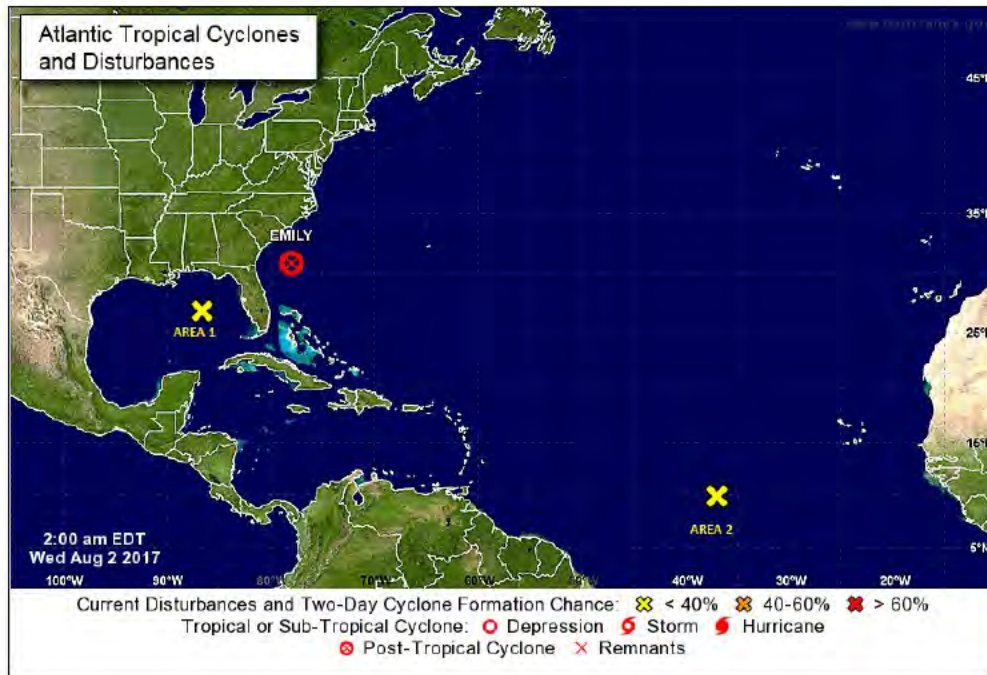
### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – August 2, 2017*

A tropical wave located south-southwest of the Gulf of Tehuantepec is producing widespread cloudiness, but the associated shower and thunderstorm activity remains disorganized. Environmental conditions should continue to be supportive of some gradual development during the next several days while the system moves west-northwestward at about 15 miles per hour (mph). Conditions may become less favorable for development by the end of this week. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.



### Atlantic Ocean/Gulf of Mexico



**Area 1:** A small, non-tropical area of low pressure centered approximately 240 miles south of Pensacola, Florida, is producing disorganized clouds and showers. Significant development of this system is not expected due to strong upper-level winds and proximity to dry air. The system is forecast to move northeastward over the Big Bend area of Florida by early Thursday. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 2:** A tropical wave is producing a large area of clouds and disorganized shower activity several hundred miles southwest of the Cabo Verde Islands. Development, if any, of this system is expected to be slow to occur during the next few days while the disturbance moves westward at 10 to 15 mph. Upper-level winds are expected to become too strong for development by the weekend. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

### **Post-Tropical Cyclone Emily**

At 5:00 a.m. EDT, the center of Post Tropical Cyclone Emily was located about 235 miles northeast of Cape Canaveral, Florida. Emily is moving toward the north-northeast near 9 mph. A turn toward the northeast and an increase in forward speed is expected today. Maximum sustained winds are near 35 mph, with higher gusts. Emily will slowly dissipate over the next 24 to 48 hours. There are no coastal watches in effect for Post-Tropical Cyclone Emily. The National Hurricane Center has issued its last advisory on this storm.

### **Other News and Notes**

#### **Sewage Spill - Santa Cruz County, Arizona**

##### **General Situation**

*Source: National Park Service, Bureau of Indian Affairs, Federal Emergency Management Agency - July 31, 2017*

On July 25, the International Outfall Interceptor (IOI) sewage line along the U.S. and Mexico border breached, causing millions of gallons of sewage and heavy metal contaminants to spill into the Nogales Wash and the Santa Cruz River in Arizona.

Progress continues to be made on welding the pipeline. Inclement weather delayed the plugging of the IOI and the installation of the bypass pipeline. Additionally, a delay occurred at Site 1 due to the need of a re-grout fill used to cover exposed IOI pipe located at the site. The city of Nogales' water pumps were struck by lightning overnight, resulting in the temporary disruption of their domestic water supply. The pumps have since been reset and the water pressure was restored. There was no additional damage to the water infrastructure reported.

The Bureau of Indian Affairs continues to monitor the situation in Nogales and reports that there have been no requests for assistance from any Tribes in Arizona.

The National Park Service still advises visitors to the Tumacacori National Historical Park, north of Nogales, to avoid contact with the Santa Cruz river along the Anza Trail.

**TUMACACORI-CARMEN**  
 Population: 2,031  
 Homes: 1,298  
 Schools: 1  
 Fire Stations: 1

**RIO RICO**  
 Population: 5,212  
 Homes: 1,610  
 Schools: 6  
 Medical: 2  
 Fire Stations: 2

**NOGALES (Downriver)**  
 Population: 1,277  
 Homes: 418  
 Schools: 1

**IOI Pipeline Rupture**

**FEMA Region IX RWC**  
 Incident: Sewage Pipeline Rupture  
 Location: Nogales, Arizona (Santa Cruz County)

**OPERATIONAL STATUS**

RWC: Normal Operations  
 RRCC: Normal Operations  
 R9 LNO: Deployed to County EOC  
 AZ SOG: Partial Operations  
 Santa Cruz EOC: Activated

**EVENT**  
 Hazmat

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, August 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 3, 2017*

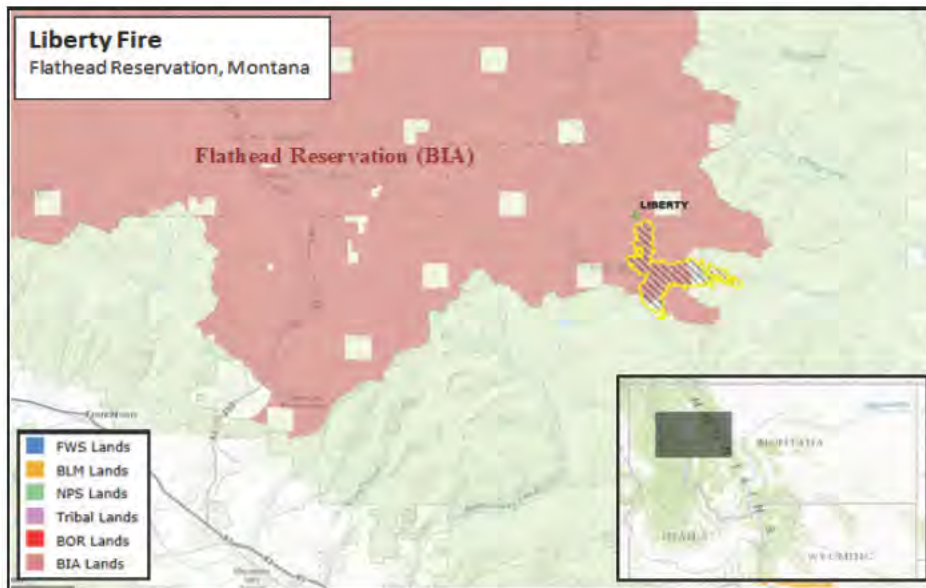
The **Pole Creek Fire** in Nevada reached 100-percent containment yesterday and will not be summarized in today's report.

## Montana

### **Liberty Fire**

- Start Date: July 15
- Location: Flathead Reservation, Montana (BIA)
- Burned Acres: 3,220 (+697)
- Containment: 2-percent (+2)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 260 (+65) / 116 (+4)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 25

Comments: Active fire behavior was observed during this reporting period, and some perimeter growth is possible over the next day or so. Cultural resources, timber allotments, and threatened and endangered (T&E) species habitat remain threatened. Road, trail, and area closures are in effect, and an evacuation warning has been issued for the Finley Creek and Placid Lake areas.



IGEMS Image

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, Oregon (NPS)
- Burned Acres: 2,500 (+1,300)
- Containment: 5-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 197 (+79) / 19 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 14

Comments: Fire behavior was described as active during this reporting period, and significant perimeter spread is possible over the next 24 hours. There are no residences currently threatened by the fire, but the Crater Lake National Park Visitor Center could be at risk if the current suppression activities are unsuccessful. Road, trail, and area closures are in effect, and the fire continues to threaten the habitat of the northern spotted owl, sensitive aquatic species, timber allotments, and recreation sites.





IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Coe	Cassia, ID	BLM	3	1,065	82%	August 3
Lodgepole Complex	Garfield, MT	BLM	3	270,741	95%	August 2
Delano	Elko, NV	BLM	3	11,450	20%	August 6
Cinder Butte	Lake, OR	BLM	3	10,000	0%	August 9

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 3, 2017

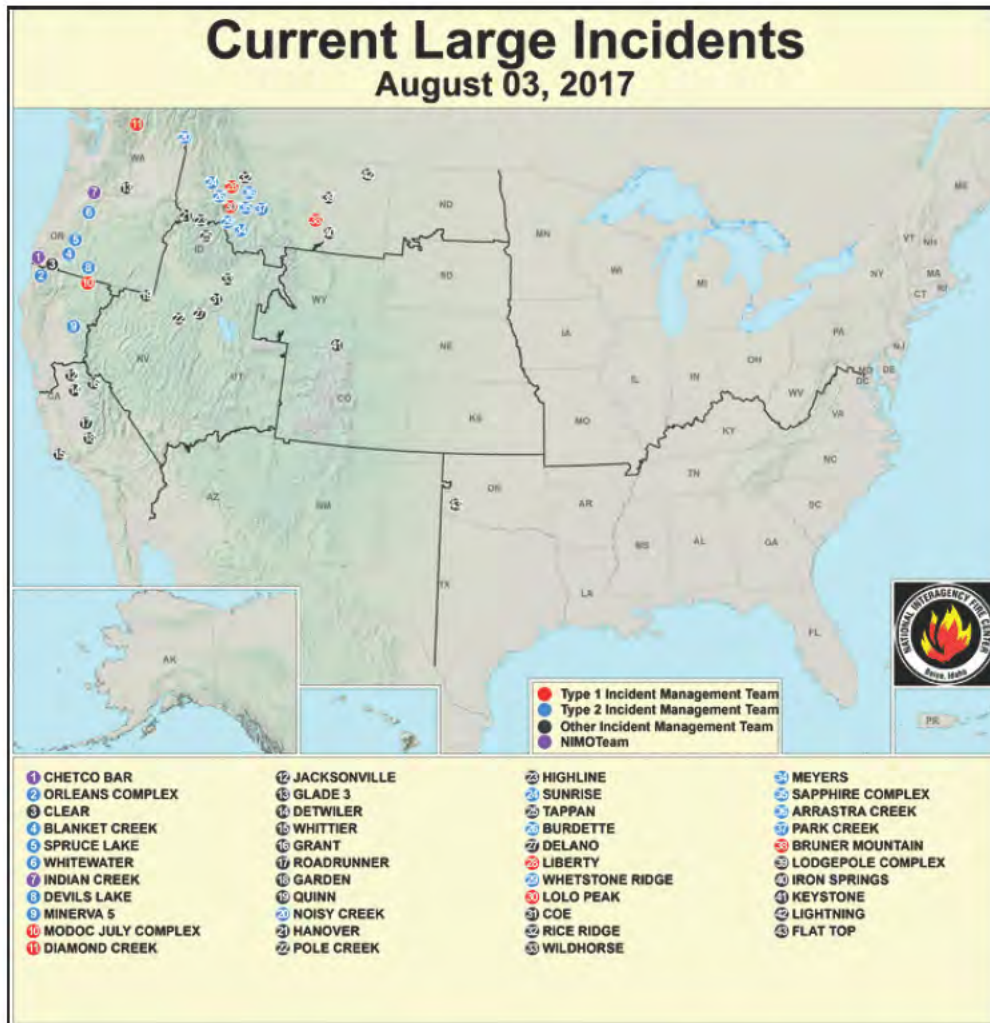
#### National Preparedness Level 4

#### National Fire Activity

Initial attack activity: Light (153 new fires)  
 New large fires: 7  
 Large fires contained: 5  
 Uncontained large fires: \*\* 29  
 Area Command Teams committed: 1  
 NIMOs committed: 2  
 Type 1 IMTs committed: 4  
 Type 2 IMTs committed: 13

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



### Public Health Emergency Designation for Zika Virus Expired

Source: U.S. Department of Health and Human Services (HHS) – August 2, 2017

The Public Health Emergency (PHE) designation for the 2016 Zika Virus Outbreak has expired, and the response has transitioned to steady state public health activities. Local, state, and federal public health authorities continue to manage these important activities; however, due to the long standing and robust coordination capabilities of these public health partners, the continued activation of HHS emergency response structures at the department level are no longer required.

### Major Disaster Declaration - Michigan

Source: Federal Emergency Management Agency – August 2, 2017

On August 2, the President approved a Major Disaster Declaration for the State of Michigan as a result of severe storms and flooding from June 22-27 of this year. The declaration provides

Individual Assistance for four counties and the Saginaw Chippewa Tribe and Hazard Mitigation statewide.

### **Volcano Activity**

#### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Satellite and web camera observations of the Cleveland Volcano were obscured by clouds during the most recent observation period, and no significant activity was observed in seismic and infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.

### **Significant National Weather**

*Source: National Weather Service - August 3, 2017*

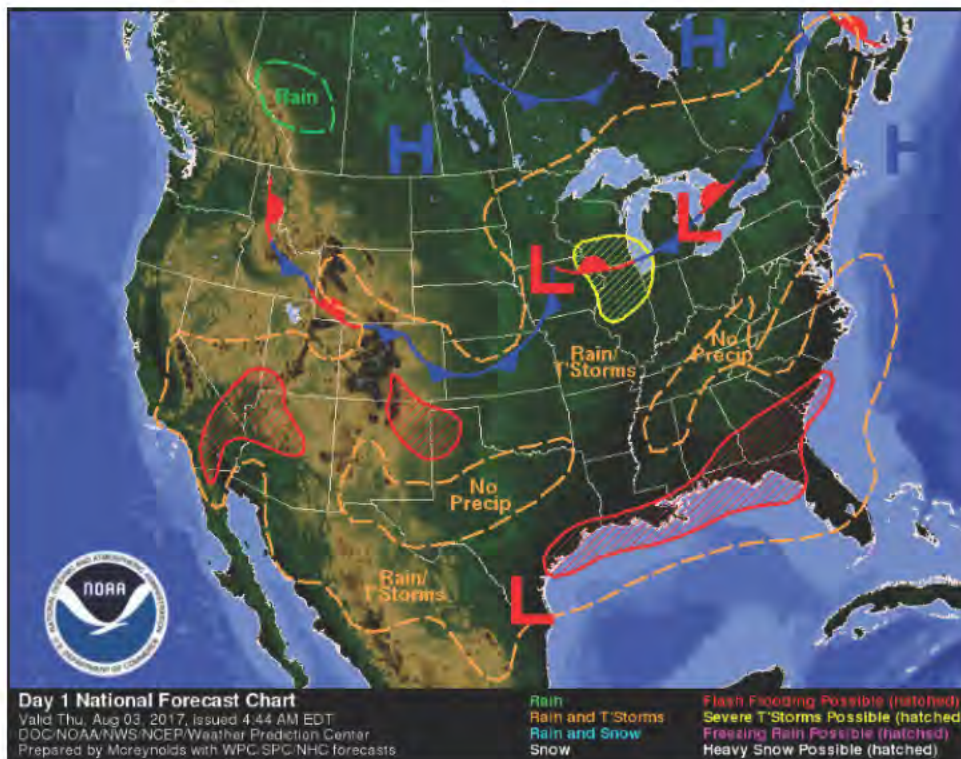
#### **Today**

Rain and thunderstorms will persist from the Southeast across the Gulf Coast region to the lower Mississippi Valley, and eastern Texas. Heavy rain is forecast to develop and there will be the possibility of localized flooding and flash flooding. Showers and thunderstorms will develop over the Northeast, the Great Lakes, the upper Midwest, the Ohio Valley, the mid-Mississippi Valley, and the central Plains. Scattered severe thunderstorms are expected across the Midwest

today with hail and gusty winds. Other more isolated strong to severe storms are possible from portions of the Ohio Valley to southeast Kansas and over the southern High Plains. The Southwest and southwestern Plains will continue to see monsoonal moisture over the next few days, fueling scattered afternoon and evening showers and thunderstorms. Areas from southern California through New Mexico could see heavy rain and the possibility of flash flooding with these thunderstorms.

### Tomorrow

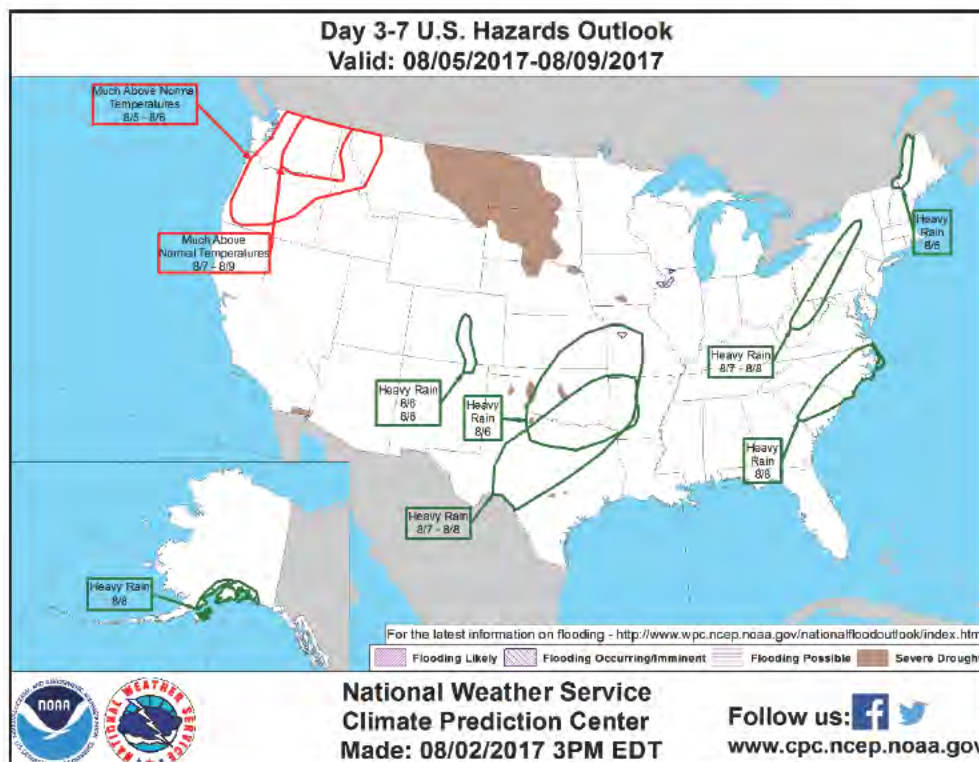
Rain and thunderstorms are expected across the Great Lakes, the Northeast, and New England south into the Southeast, the Deep South, the lower Mississippi Valley, and eastern Texas. Scattered storms are expected tomorrow afternoon and evening from Ohio and West Virginia across Pennsylvania and New York. Additional scattered showers and thunderstorms will also develop across the central and northern Plains and the far northern High Plains. A few of these thunderstorms will produce isolated large hail Friday night across the central and northern High Plains. Afternoon and evening thunderstorms will develop across the Southwest, the Four Corners, and the central Rockies.



### Weather Hazard Assessment

- August 3: Severe drought across the Plains, Hawaii, the middle Mississippi Valley, California, and the Southwest.
- August 3: Flooding is occurring or imminent across portions of the middle Mississippi Valley, the Great Lakes, and the upper Mississippi Valley.
- August 5: Heavy rain across portions of the Northeast.

- August 5-6: Much above normal temperatures across portions of the Pacific Northwest, the northern Rockies, and the northern Great Basin.
- August 6: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- August 7-8: Heavy rain across portions of the mid-Atlantic, the central Appalachians, the lower Mississippi Valley, the middle Mississippi Valley, the southern Plains, and the Northeast.
- August 7-9: Much above normal temperatures across portions of the Pacific Northwest and the northern Rockies.
- August 8: Heavy rain across portions of the central and southern Rockies and the Southeast.
- August 8: Heavy rain across portions of mainland Alaska.

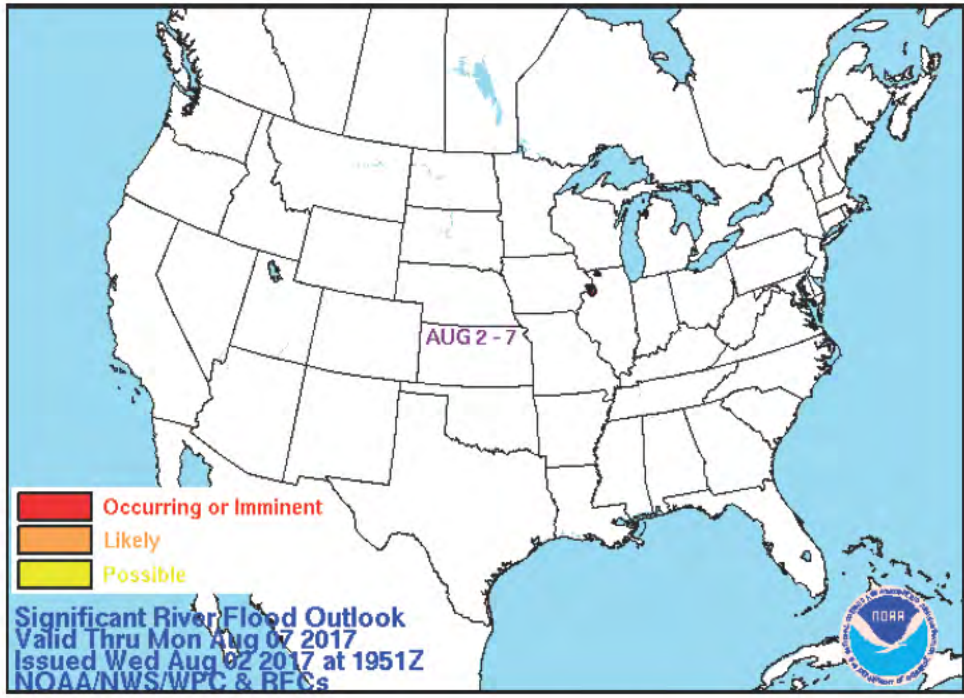


## Alaska Weather

A Small Craft Advisory is in effect for most of the Aleutian Islands, Bristol Bay, the Kuskokwim Delta, the Pribilof Islands, the Barren Islands, and the Etolin Strait. A Flood Advisory is in effect for the upper Noatak, the Kobuk, and the Alatna river basins, and a Special Weather Statement has been issued for periods of rain in parts of central and northeastern Alaska.

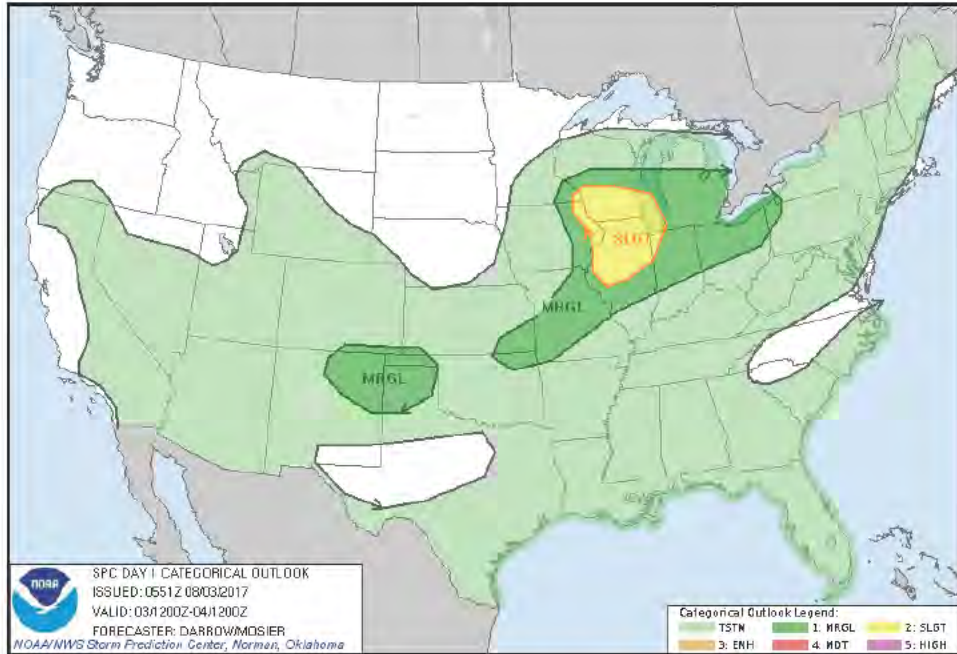


**Significant River Flooding**



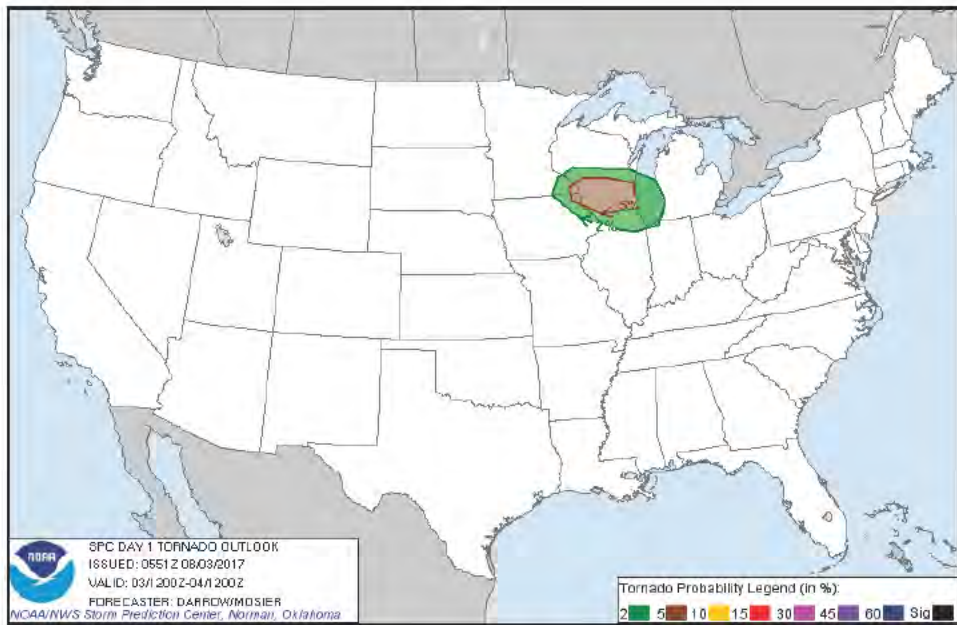
Significant River Flooding is occurring or imminent across portions of northwestern Illinois and east-central Iowa.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today across the Midwest. There is a Marginal Risk of severe thunderstorms from the Ohio Valley to southeastern Kansas and across the southern High Plains.

## Tornado Weather



There is a 2 to 5-percent chance of tornado activity today across portions of eastern Iowa, southeastern Minnesota, Wisconsin, northern Illinois, and northwestern Indiana.

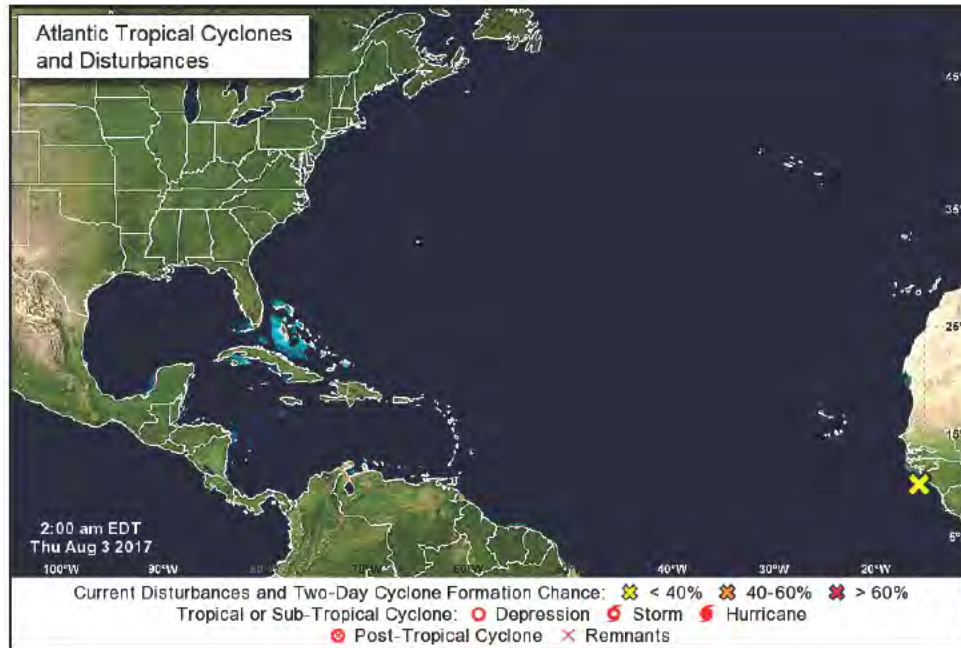
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 3, 2017

### Atlantic Ocean/Gulf of Mexico



A large area of showers and thunderstorms near the western coast of Africa is associated with a tropical wave. Environmental conditions are forecast to be conducive for gradual development, and a tropical depression could form by early next week over the Atlantic Ocean. This system is forecast to move toward the west or west-northwest at 10 to 15 miles per hour (mph) for the next several days. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

### Eastern Pacific Ocean

Shower activity associated with a tropical wave located a few hundred miles to the south-southwest of Acapulco, Mexico, continues to show some signs of organization; however, there are no indications that the system has a closed circulation, and environmental conditions are forecast to become unfavorable for development by the weekend. This disturbance should move west-northwestward at about 15 mph for the next few days. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.





## **Other News and Notes**

### **Train Derailment - Bedford County, Pennsylvania**

**Source:** DOI Office of Environmental Policy and Compliance, Department of Homeland Security National Operations Center, Federal Emergency Management Agency, and CSX Railroad - August 2, 2017

On August 2, a CSX train derailed in Hyndman Borough, Pennsylvania, which is located about 70 miles to the southeast of Pittsburgh. According to CSX, at least 32 cars derailed, and some of the cars were carrying hazardous materials that included liquefied petroleum gas, phosphoric acid, and molten sulfur. Several of the cars began to burn, and personnel located within approximately one mile of the derailment site were evacuated. The evacuation has affected 441 homes and 1,056 people. The cause of the derailment is unknown at this time.

There has been no estimate provided as to how long the evacuation order will remain in effect or how long the cleanup will take. The fires are reportedly still burning. As a result of the derailment, Amtrak's Capitol Limited service between Washington D.C. and Pittsburgh has been suspended. Bus shuttles have been established to provide service between the two localities. All roads entering Hyndman are closed to non-emergency response vehicles, and a Temporary Flight Restriction is in effect over the incident.

The Pennsylvania Emergency Operations Center (EOC) is at Partial Activation, and an Incident Command Post has been established outside of the evacuation zone. The Pennsylvania Emergency Management Agency reports that there is no need for assistance at this time. The Federal Emergency Management Agency (FEMA) has deployed a Liaison Officer (LNO) to the Pennsylvania EOC, and the National Transportation Safety Board (NTSB) is sending a team to investigate the incident. There have been no reports of injuries.

According to the Interior Geospatial Emergency Management System (IGEMS), there are no DOI assets in the vicinity of the derailment. The DOI Office of Environmental Policy and Compliance (OEPC) is monitoring the situation.



IGEMS Image/Photo by WTAE News

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Friday, August 4, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

**Power Outage and Facility Closures - Cape Hatteras National Seashore, North Carolina (Final)**

**General Situation**

Source: National Park Service, U.S. Fish and Wildlife Service, Dare County (NC), Hyde County (NC), and Cape Hatteras Electric Cooperative – August 3, 2017

North Carolina officials are reporting that power has been restored to Hatteras Island, and evacuation orders are to be lifted at noon today. According to the Cape Hatteras Electric Cooperative (CHEC), reliable and adequate power is now available, and all power restrictions have been lifted. The power outage and mandatory evacuations began on July 27 following a construction accident at the Oregon Inlet in North Carolina's Outer Banks.

The three Cape Hatteras National Seashore campgrounds, which were closed due to the power outage and evacuation order, will reopen today. Other facilities at the Cape Hatteras National Seashore remained open to permanent residents and non-resident property owners while electrical service was being restored. The Pea Island National Wildlife Refuge Visitor Center, which was also closed due to the power outage, reopened on August 2 to permanent residents and non-resident property owners. This will be the final report for this incident.

## Wildland Fire Activity

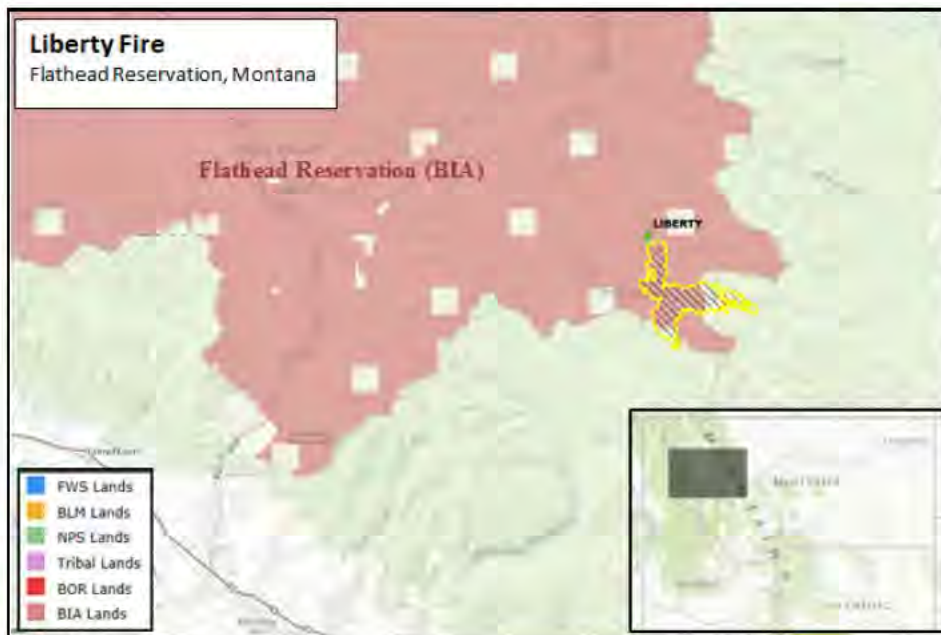
Source: Fire and Aviation Management Website - August 4, 2017

### Montana

#### **Liberty Fire**

- Start Date: July 15
- Location: Flathead Reservation, Montana (BIA)
- Burned Acres: 3,408 (+188)
- Containment: 12-percent (+10)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 363 (+103) / 114 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: September 25

Comments: Moderate fire behavior was observed during this reporting period with backing, flanking, and isolated torching. Active fire behavior is likely over the next 72 hours. The evacuation warning for the Finley Creek and Placid Lake areas remain in effect, and safety concerns for response personnel include steep terrain and remote work locations. Cultural resources, timber allotments, and threatened and endangered (T&E) species habitat continued to be threatened.



IGEMS Image

## Oregon

### Spruce Lake Fire

- Start Date: July 29
- Location: Crater Lake National Park, Oregon (NPS)
- Burned Acres: 3,600 (+1,100)
- Containment: 5-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 197 (no change) / 19 (no change)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 16

Comments: Fire behavior was described as active during this reporting period with crowning, spotting, and running. Very active fire behavior is expected over the next 24 hours, and significant perimeter spread is possible. There are no residences currently threatened by the fire, but the Crater Lake National Park Visitor Center and Crater Lake Community may be threatened in the next few days. Road, trail, and area closures are in effect, and the fire continues to threaten the habitat of the northern spotted owl, sensitive aquatic species, timber allotments, and recreation sites.

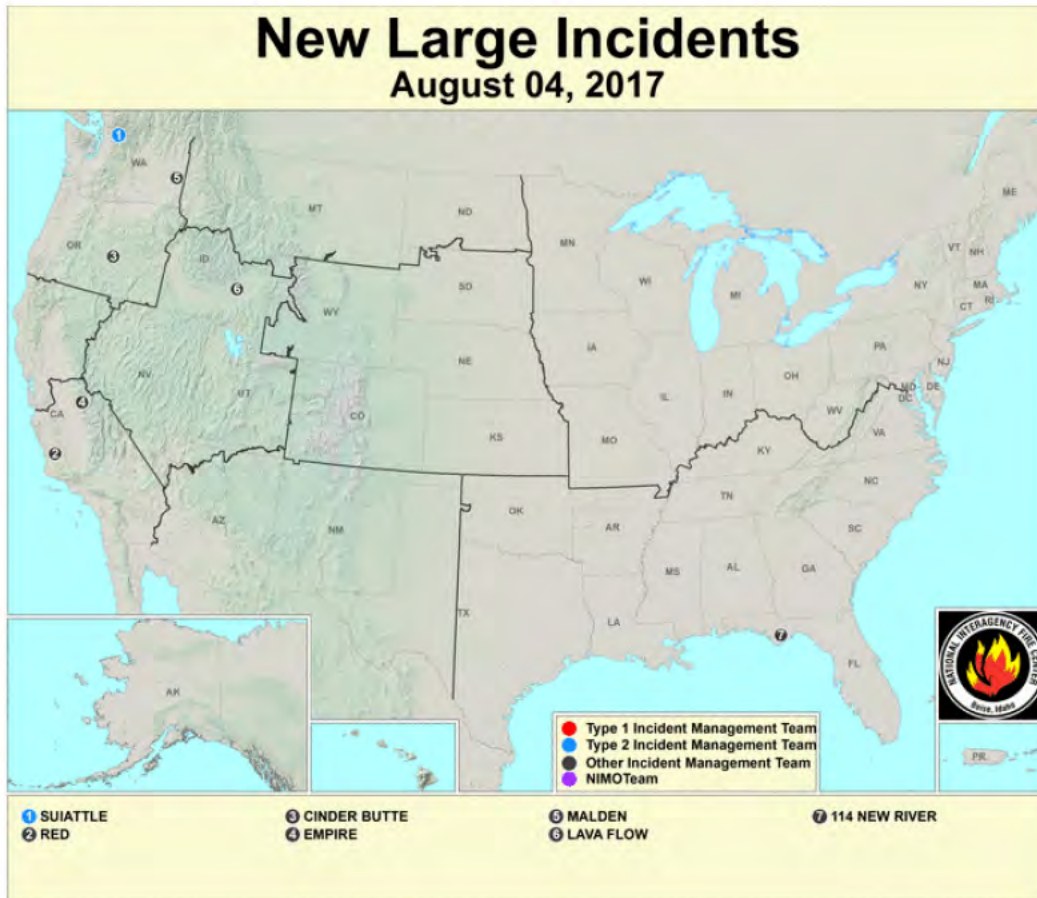


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Coe	Cassia, ID	BLM	3	1,065	98%	August 3
Lava Flow	Bingham, ID	BLM	3	22,651	0%	August 6
Lodgepole Complex	Garfield, MT	BLM	3	270,741	96%	August 2
Delano	Elko, NV	BLM	3	15,264	30%	August 6
Cinder Butte	Lake, OR	BLM	3	56,000	9%	August 9
Morgan Creek	Baker, OR	BLM	3	1,500	40%	August 5

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 4, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Light (114 new fires)
New large fires:	6
Large fires contained:	4
Uncontained large fires: **	26
Area Command Teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	4
Type 2 IMTs committed:	15

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **U.S. Bureau of Reclamation Dam Response Activity**

#### **Response Level 1 - Boysen Dam, Wyoming (Final)**

*Source: U.S. Bureau of Reclamation – August 3, 2017*

On August 3, the U.S. Bureau of Reclamation (USBR) reported that the Emergency Action Plan (EAP) Response Level 1 at the Boysen Dam in Wyoming was terminated. The EAP Response Level 1 was declared by the USBR Wyoming Area Office on June 20 due to the reservoir water surface elevation rising into the flood control pool. The reservoir elevation has now decreased and is no longer in the flood pool. This will be the final report for Boysen Dam.

### **Volcano Activity**

#### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 3, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Satellite observations of the Cleveland Volcano were obscured by clouds during the most recent observation period, and no significant activity was observed in seismic, infrasound, or lightning data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 3, 2017

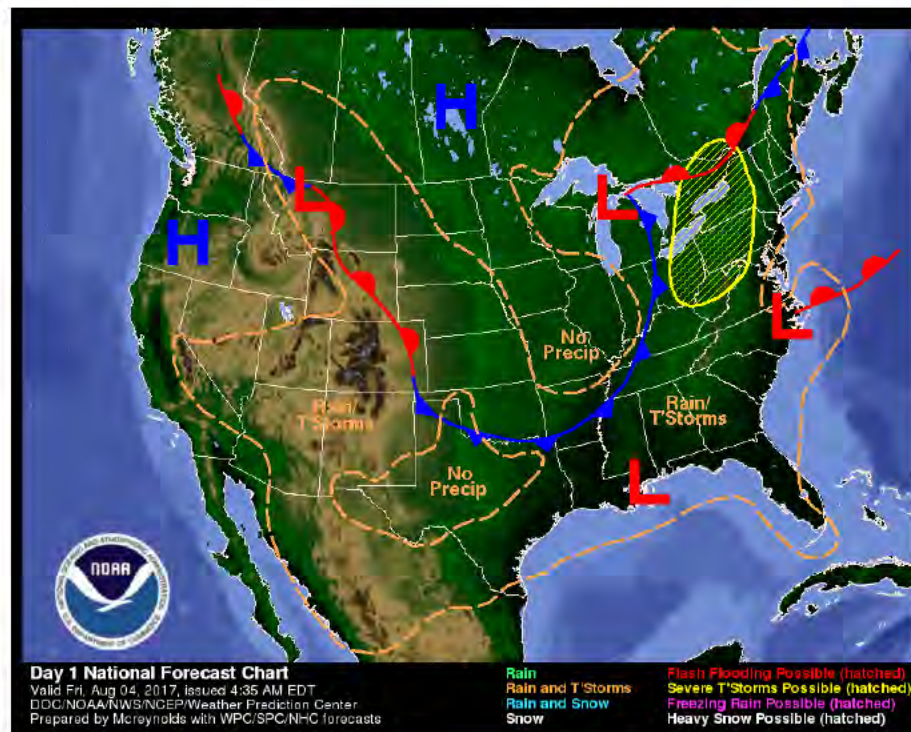
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. At the summit, the lava lake was observed to be about 118 feet below the rim of the Overlook Crater, and gradual inflationary tilt resumed on Thursday morning. There have been no significant changes in seismic activity across the volcano.

## Significant National Weather

Source: National Weather Service - August 4, 2017





## **Today**

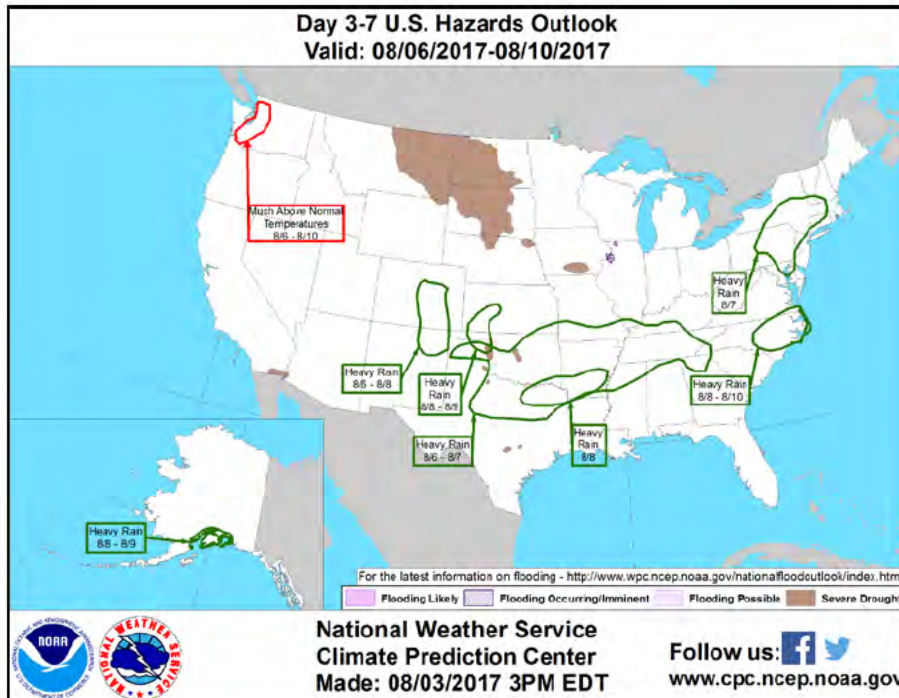
Showers and thunderstorms will develop along and ahead of a frontal system from the Great Lakes/Northeast southward into the Southeast, the Deep South, the lower Mississippi Valley, and eastern Texas. Scattered severe thunderstorms are expected this afternoon and evening from Ohio and West Virginia across Pennsylvania and New York, while scattered rain and thunderstorms will also develop across the central and northern Great Plains and the northern Rockies. Isolated severe thunderstorms may also evolve this afternoon and evening across portions of the central High Plains and vicinity. Scattered afternoon and evening monsoonal showers and thunderstorms are forecast for the Desert Southwest, the Four Corners, and the central Rockies. Elsewhere, portions of the Pacific Northwest will continue to have oppressive heat today. Much of western Washington and Oregon have excessive heat warnings and heat advisories in effect with highs soaring to the 100 to 110+ range. Temperatures will cool slightly this weekend with most areas peaking in the upper 90s.

## **Tomorrow**

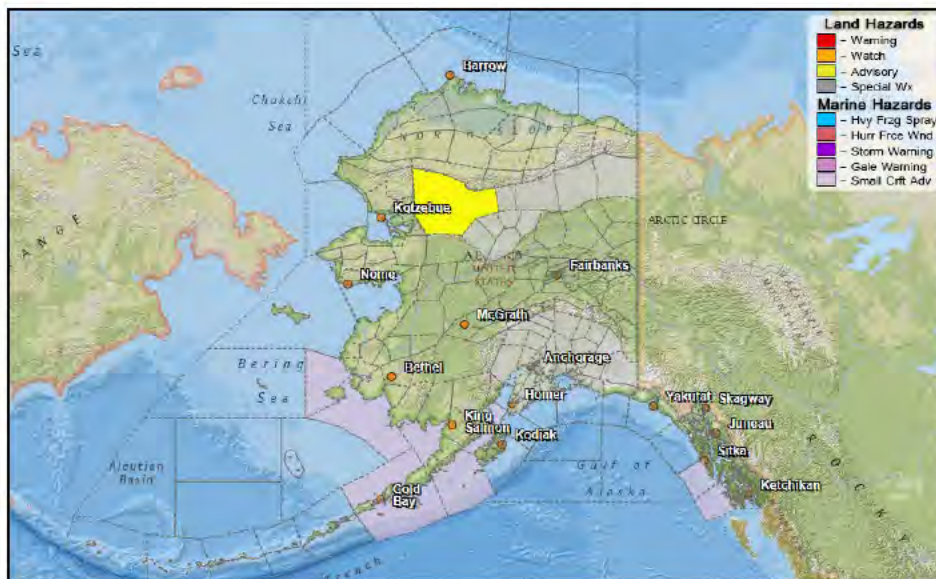
A frontal system will stretch from the Northeast southward into Delaware, Maryland, and Virginia, continuing into the Deep South and swinging northward into the central Plains. Rain and thunderstorms will develop across the eastern Great Lakes, the Northeast, and New England, while scattered thunderstorms with marginally severe wind gusts and hail are possible across parts of the Northeast on Saturday. Showers and thunderstorms will also develop from the Southeast coastal region across the Gulf coastal region and the lower Mississippi Valley, while widespread rain and thunderstorms will develop across the Great Plains and the Midwest. Scattered thunderstorms with marginally severe wind gusts and hail are possible across much of the Great Plains. Heavy rain which could produce flash flooding is possible from eastern Kansas to central Missouri. Afternoon and evening showers and thunderstorms will continue across portions of the Great Basin, the Four Corners, and the Rockies.

## **Weather Hazard Assessment**

- August 6-7: Heavy rain for parts of the central and southern Plains, the middle and lower Mississippi valleys, the Ohio and Tennessee valleys, and the southern Appalachians.
- August 6-8: Heavy rain for parts of the central and southern Rockies and the central and southern Plains.
- August 6-10: Much above-normal temperatures for parts of the Pacific Northwest.
- August 7: Heavy rain for parts of the central Appalachians, the mid-Atlantic, and the Northeast.
- August 8: Heavy rain for parts of the southern Plains and the lower Mississippi Valley.
- August 8-9: Heavy rain for parts of the central and southern Plains.
- August 8-9: Heavy rain for southern portions of coastal mainland Alaska.
- August 8-10: Heavy rain for parts of the mid-Atlantic.



## Alaska Weather



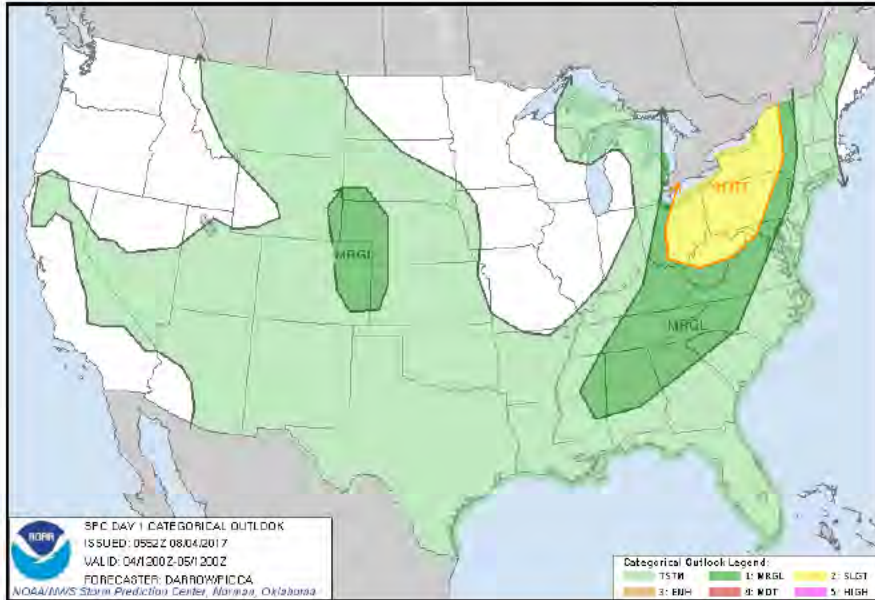
A Small Craft Advisory is in effect for the Shelikof Strait, the Barren Islands, the Bristol Bay, the Kuskokwim Delta, the Etolin Strait, Nunivak Island, from Cape Edgecumbe to Dixon Entrance, and from Cape Sarichef to Sitkinak. A Flood Advisory is in effect for the upper Noatak, the Kobuk, and the Alatna river basins. A Special Weather Statement has been issued for high rivers in central and northeastern Alaska and for hot and sunny conditions in southeastern Alaska.

## Significant River Flooding

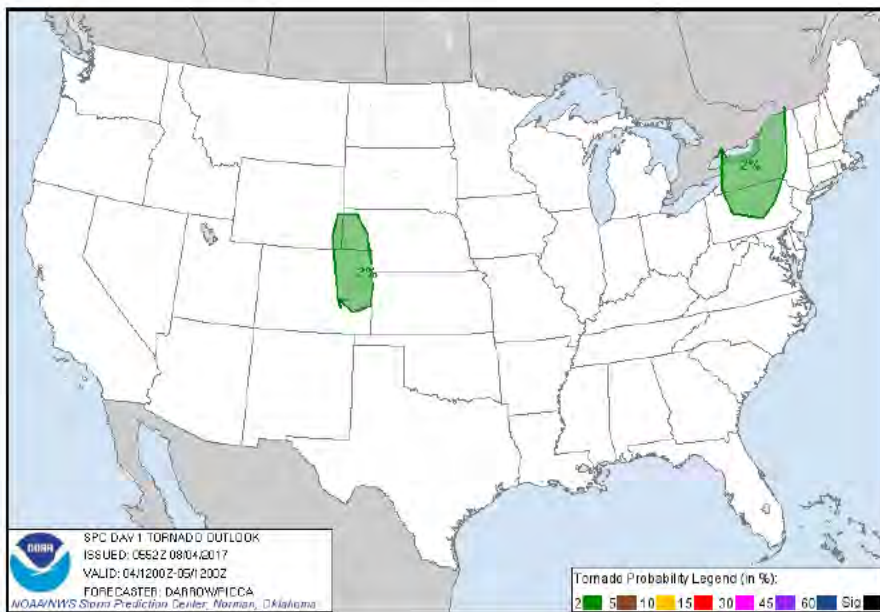
There is no Significant River Flooding forecast for today across the U.S.

## Severe Weather

There is a Slight Risk of severe thunderstorm activity today from the Ohio Valley into western New York. There is a Marginal Risk of severe thunderstorms from the northern Gulf States to eastern New York and across the central High Plains.



## Tornado Weather



There is a 2-percent chance of tornado activity today in portions of New York, Pennsylvania, eastern Colorado, western Nebraska, and southeastern Wyoming.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S. There is Elevated Fire Weather forecast for Idaho, Oregon, south-central Washington, northeastern California, and northern Nevada.

## Tropical Weather Activity

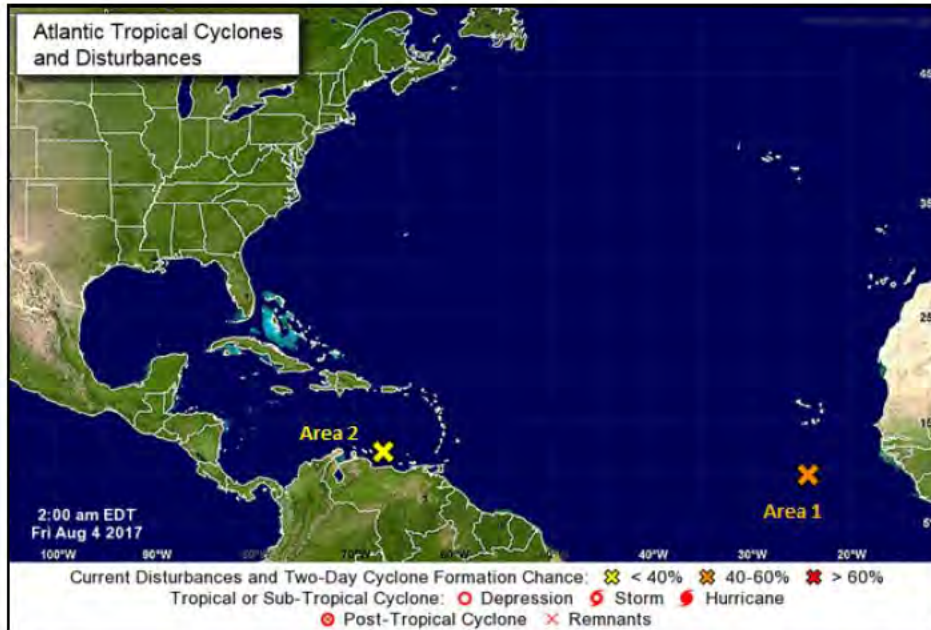
Source: National Weather Service/National Hurricane Center – August 4, 2017

### Atlantic Ocean/Gulf of Mexico

**Area 1:** A large and complex area of disturbed weather associated with a broad low pressure system is located to the south of the Cabo Verde Islands. Environmental conditions are forecast to be conducive for gradual consolidation and development, and a tropical depression is likely to form by early next week over the eastern or central Atlantic Ocean. This disturbance is forecast to move toward the west or west-northwest at 10 to 15 miles per hour (mph) for the next several days. This system has a 40-percent chance of developing into a tropical cyclone over the next 48 hours.

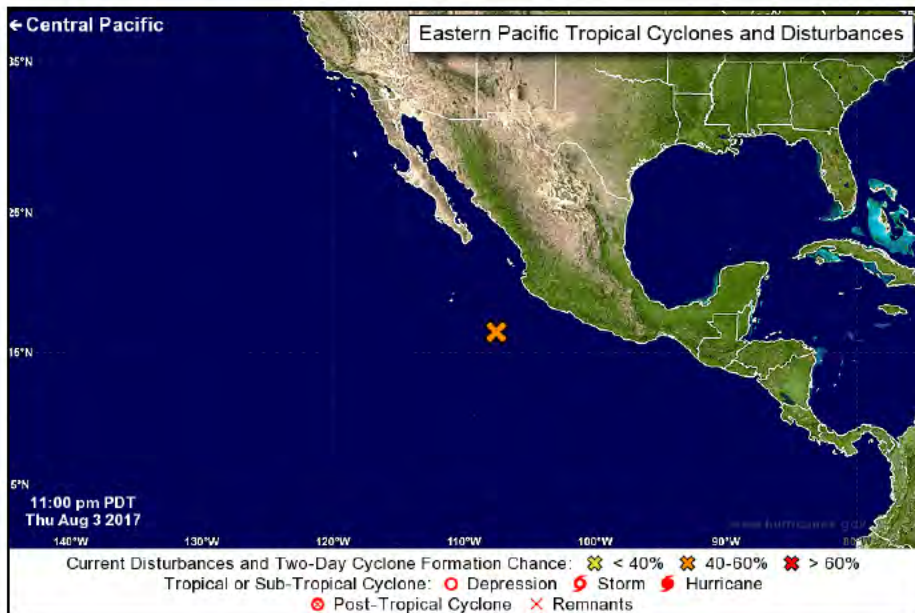
**Area 2:** A strong tropical wave located over the eastern Caribbean Sea is producing a large area of cloudiness and thunderstorms. Environmental conditions are expected to become more conducive for development by Sunday over the western Caribbean Sea and by early next week over the Bay of Campeche while the disturbance moves westward or west-northwestward at 15 to 20 mph. This tropical wave could produce brief heavy rainfall and gusty winds over Aruba,

Bonaire, and Curacao today. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.



### Eastern Pacific Ocean

Showers and thunderstorms associated with an area of low pressure located a few hundred miles southwest of Manzanillo, Mexico continue to show signs of organization. Some additional development is possible today before conditions become less favorable by the weekend. This disturbance should move west-northwestward at about 15 mph for the next few days. This system has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.



## **Other News and Notes**

### **Train Derailment - Bedford County, Pennsylvania (Final)**

*Source: CSX Railroad, DOI Office of Environmental Policy and Compliance, and Federal Emergency Management Agency - August 3, 2017*

On August 2, a CSX train derailed in Hyndman Borough, Pennsylvania, which is located about 70 miles to the southeast of Pittsburgh. Over 30 cars derailed, and some of the cars were carrying hazardous materials that included liquid propane gas, phosphoric acid, hot asphalt, and molten sulfur. Several of the cars continued to burn yesterday, but CSX expected the fire to be extinguished by late yesterday evening. Recovery operations will begin once approval is granted by the National Transportation Safety Board and the Federal Railroad Administration.

The evacuation order remains in place for those within a mile of the derailment site, and it is unknown when residents will be allowed to return to their homes. Air monitoring is in place for both sulphur dioxide and hydrogen sulfide, and the Temporary Flight Restriction (TFR) remains in effect. A nearby waterway has not been impacted by the derailment. According to the Interior Geospatial Emergency Management System (IGEMS), there are no DOI assets in the vicinity of the derailment. The DOI Office of Environmental Policy and Compliance is continuing to monitor the incident, but additional reporting will not occur unless the situation changes.

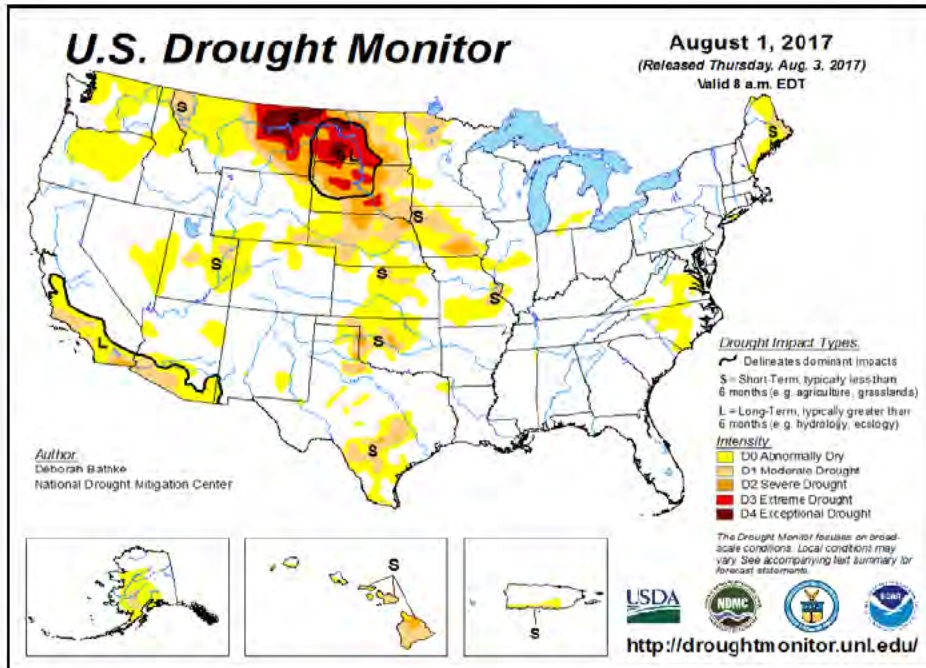
### **Sewage Spill - Santa Cruz County, Arizona (Final)**

*Source: Federal Emergency Management Agency, Santa Cruz County (AZ), and International Boundary and Water Commission - August 3, 2017*

On July 25, the International Outfall Interceptor (IOI) sewage line along the U.S. and Mexico border breached, causing millions of gallons of sewage to spill into the Nogales Wash and the Santa Cruz River in Arizona. Tests for E-coli found samples that exceeded recommended levels. The Federal Emergency Management Agency (FEMA) reports that the bypass line has been completed, and no leaks have been detected. The sewage is now being conveyed for treatment at the Nogales International Wastewater Treatment Plant and is no longer flowing into the Nogales Wash. Officials with the Arizona Division of Environmental Quality (ADEQ) will continue daily sample collection and testing, and residents with wells located within 100 feet of the Santa Cruz River have been advised to have their wells tested for contamination. There have been no reported impacts to the Tumacacori National Historical Park, which is located in the vicinity of the spill. Additional reporting on this incident is not expected.

## U.S. Drought Monitor

Source: National Drought Mitigation Center – August 3, 2017



Rain fell in much of the country last week, with the greatest amounts occurring from the Southwest to the Great Plains and across much of the eastern half of the U.S. Rainfall bypassed the Northwest, the south-central U.S., and parts of the north-central U.S. Continued precipitation deficits, combined with above normal temperatures, resulted in an expansion of abnormal dryness and drought in these areas. Seasonal monsoon showers in the Southwest alleviated lingering short-term dryness and began to chip away at the long-term deficits. Rainfall in the Plains and the Midwest brought relief to a few locations and prevented degradation in other areas.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
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Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Monday, August 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

**Blackwater (Coal Sediment) Discharge - Conner Run, West Virginia**

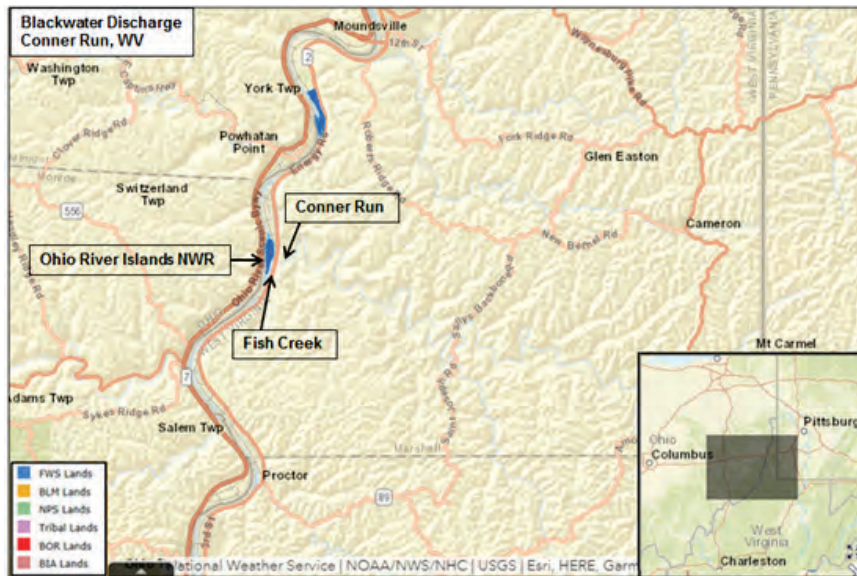
**General Situation**

*Source: U.S. Fish and Wildlife Service, U.S. Coast Guard - August 3, 2017*

On August 3, the West Virginia Department of Environmental Protection (WVDEP) reported Murray Energy Corporation was the potentially responsible party (PRP) for a blackwater discharge into Conner Run in West Virginia (WV) due to a malfunction of the control system. Conner Run discharges into Fish Creek, which feeds into the Ohio River, adjacent to the Ohio River Islands National Wildlife Refuge (NWR). The PRP is tasked to clean the remaining coal sludge from the discharge channel, stop the discharge, and clean the Conner Run streambed of coal sediment to the best extent feasible.

Blackwater discharged at a rate of approximately 7,000 gallons per minute (gpm), totalling an estimated 200,000 gallons of blackwater discharged into Conner Run. A significant amount of coal sludge was visible in the entire streambed of Conner Run. The U.S. Fish and Wildlife Service's Information for Planning and Consultation (IPAC) has identified four species of endangered mussels in the area. No fish kill was observed in the area.





IGEMS Image

## Wildland Fire Activity

Source: Fire and Aviation Management Website - August 7, 2017

The **Coe Fire** (Idaho) and the **Morgan Creek Fire** (Oregon) reached 100-percent containment over the weekend and will no longer be summarized in this report. The **Liberty Fire** (Montana) and the **Cinder Butte Fire** (Oregon) are no longer being managed with a full suppression strategy and will not be summarized in this report.

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, Oregon (NPS)
- Burned Acres: 5,300 (+1,700)
- Containment: 13-percent (+8)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 332 (+135) / 14 (-5)
- Structures Threatened-Single-Mixed Residential/Commercial: 39 (+39) / 13 (+13)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as active during this reporting period with torching, flanking, and spotting. Main weather concerns are for additional thunderstorm activity and warmer than normal temperatures with lower humidity. Northern Spotted Owl habitats, sensitive aquatic species, Forest Service Timber sale groves, and other sensitive plant and animal species

are affected by this fire. Lack of fire line management personnel (TFDLs) and adequate air attack coverage may slow fire attack operations.



*IGEMS Image*

### **Crater Lake National Park Potential Evacuation of Rim Village and Park Headquarters**

*Source: National Park Service - August 5, 2017*

Crater Lake National Park issued a Level 1 Evacuation Notice for Rim Village and Park Headquarters effective at 5:00 p.m., August 5, 2017. The Level 1 Evacuation Notice informs residents and visitors to “be ready” for a potential evacuation of Rim Village and Park Headquarters in the event that the Spruce Lake Fire approaches these areas. Current or projected threats from the approaching fire indicate that there may be a need to evacuate in the future. Mazama Village and other areas in the park are not affected by this notice.

### **Crater Lake National Park Road and Trail Closures**

*Source: National Park Service - August 5, 2017*

Due to the Spruce Lake Fire, the following road and trail closures continue in effect until further notice:

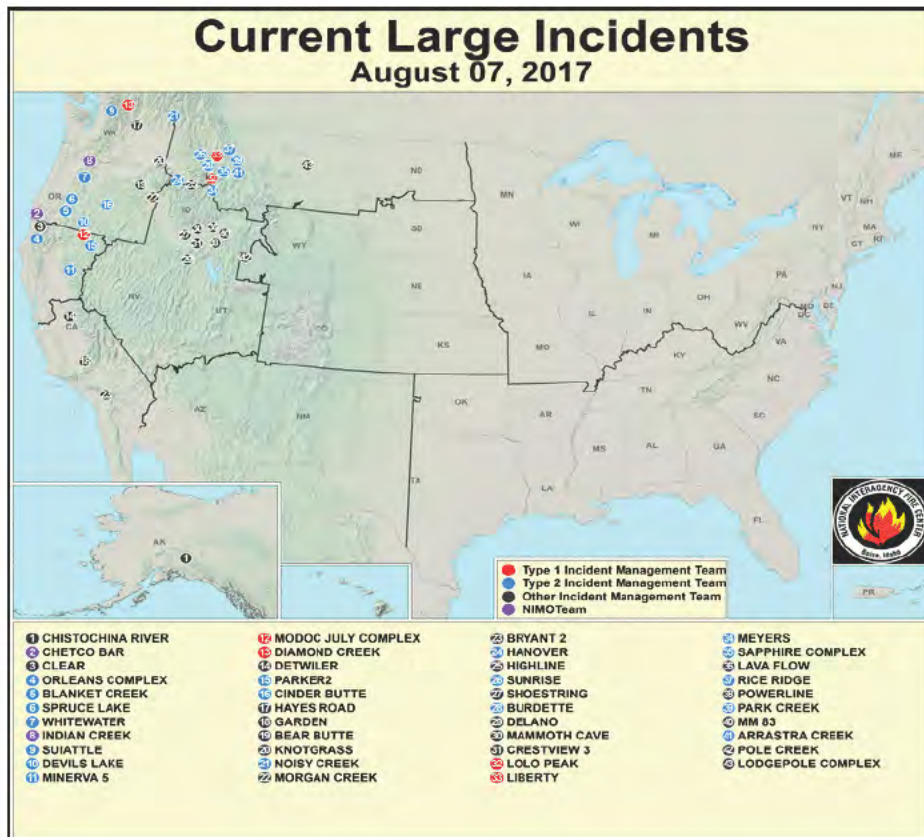
- West Rim Drive from Munson Valley Road to North Junction
- Pacific Crest Trail, from the intersection of Dutton Creek Trail north to the North
- Entrance Road
- Boundary Springs Trail
- All of Bald Crater Loop Trail
- Bert Creek Trail
- Discovery Point Trail
- Lightning Springs Trail
- Rim Trail from Discovery Point to North Junction

This is an adjustment from the previous closure notice issued on August 4, 2017 due to increased fire size and potential for continued expansion. The National Park Service will reopen these trails as soon as it is safe to do so.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Lava Flow	Bingham, ID	BLM	3	22,651	98%	August 6
Powerline	Power, ID	BIA	3	46,000	25%	August 10
Mammoth Cave	Lincoln, ID	BLM	3	47,052	40%	August 7
Shoestring	Gooding, ID	BLM	3	35,737	50%	August 7
Lodgepole Complex	Garfield, MT	BLM	3	270,743	98%	August 7
Delano	Elko, NV	BLM	3	15,264	80%	August 7

**Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 7, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Light (100 new fires)
New large fires:	7
Large fires contained:	5
Uncontained large fires: **	32
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	6
Type 2 IMTs committed:	16

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

#### **Volcano Activity**

##### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslov Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

##### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Satellite observations of the Cleveland Volcano were obscured by clouds during the most recent observation period, and no significant activity was observed in seismic, infrasound, or lightning data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption.

##### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 6, 2017*

**Alert Level = WATCH**

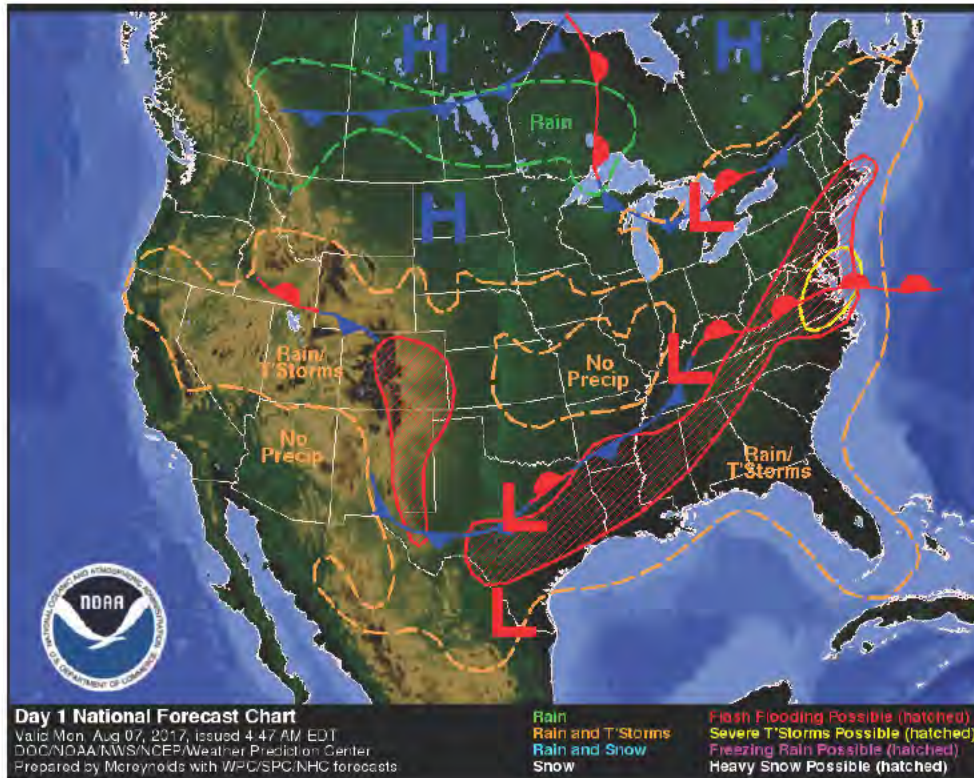
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows

remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.

### **Significant National Weather**

Source: *National Weather Service - August 7, 2017*



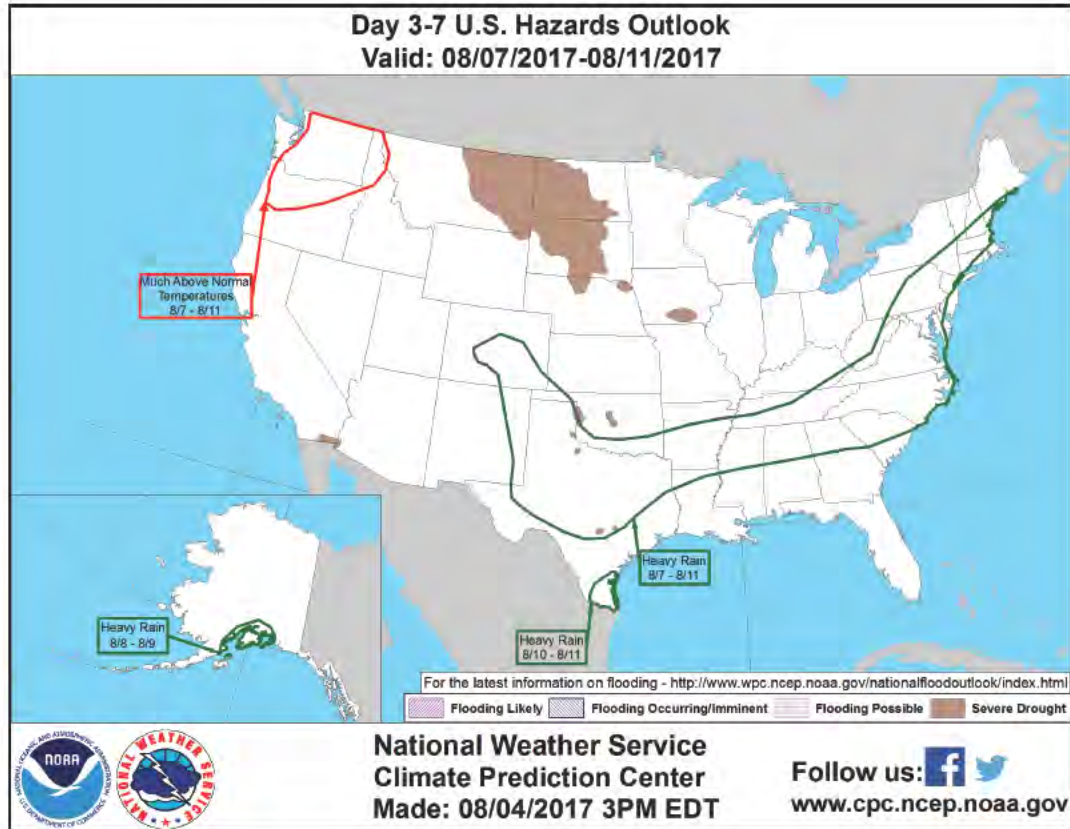
#### **Today**

Rain and thunderstorms will develop across portions of the Great Lakes, the Northeast, the mid-Atlantic, the Appalachians, the Southeast, the Deep South, the lower Mississippi Valley, and the southern Plains. Scattered thunderstorms, some of which could be severe, are expected across the middle Atlantic today. A more isolated severe risk may extend as far southwest as the southern Appalachians. Rain will be heavy from the New England coastal region all the way down to southern Texas. Localized flooding and flash flooding will also be possible across these regions. Rain and thunderstorms are expected across portions of the Midwest, the western, central, and southern Plains, the central and northern Rockies, and the Great Basin. Heavy rain along with flash flooding is possible for the western Great Plains from Colorado to New Mexico. A more isolated severe risk is possible over parts of eastern New Mexico and far western Texas.

#### **Tomorrow**

Rain and thunderstorms will be possible for New England, the Carolinas, the Southeast, the Deep South, and Texas. Heavy rain and flash flooding will be possible for the North Carolina coastal region. Widespread rain and thunderstorms will develop across the Great Plains, the Rockies, the Great Basin, and the Sierras. A few marginally severe storms could occur in the central High Plains. Heavy rain and flash flooding are forecast for parts of the central Great Plains.

## Weather Hazard Assessment



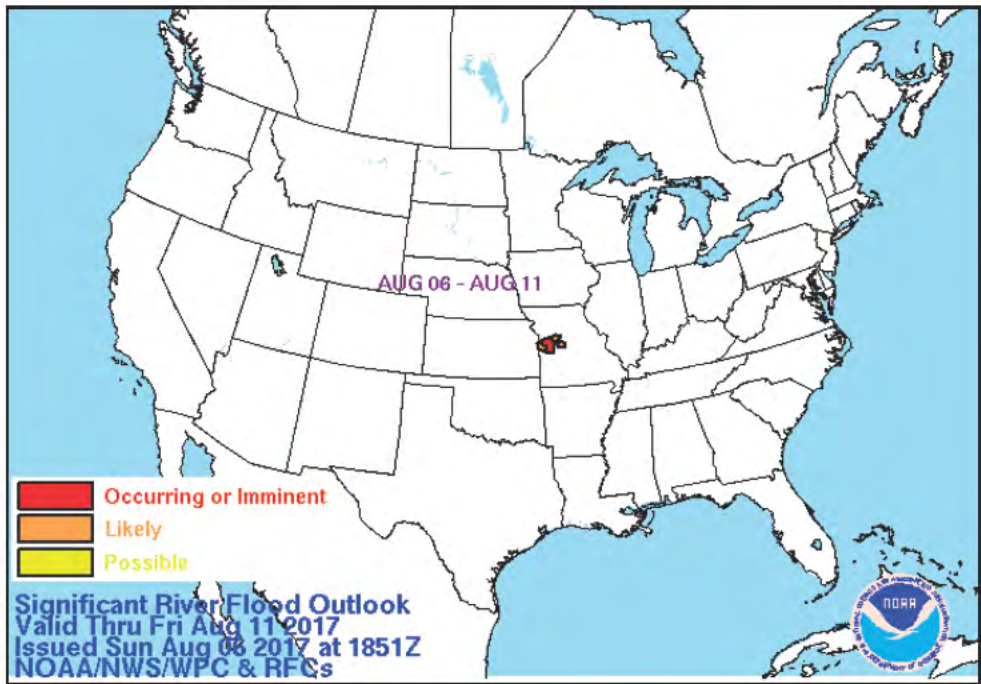
- August 7-11: Periods of heavy rain across portions of the central and southern Plains, the central and southern Rockies, the mid-Atlantic, the lower Mississippi Valley, the central and southern Appalachians, the Tennessee Valley, the Northeast, the Southeast, and the Ohio Valley.
- August 7-11: Much above-normal temperatures across portions of the Pacific Northwest, the northern Rockies, and the northern Great Basin.
- August 8-9: Heavy rain across portions of southern mainland Alaska.
- August 10-11: Heavy rain over parts of southern Texas.

### Alaska Weather

A Small Craft Advisory is in effect in the western Aleutians from Attu to Adak, the Shelikof Strait, and the Barren Islands East. A Special Weather Statement has been issued for heavy rain and high rivers for much of central Alaska.

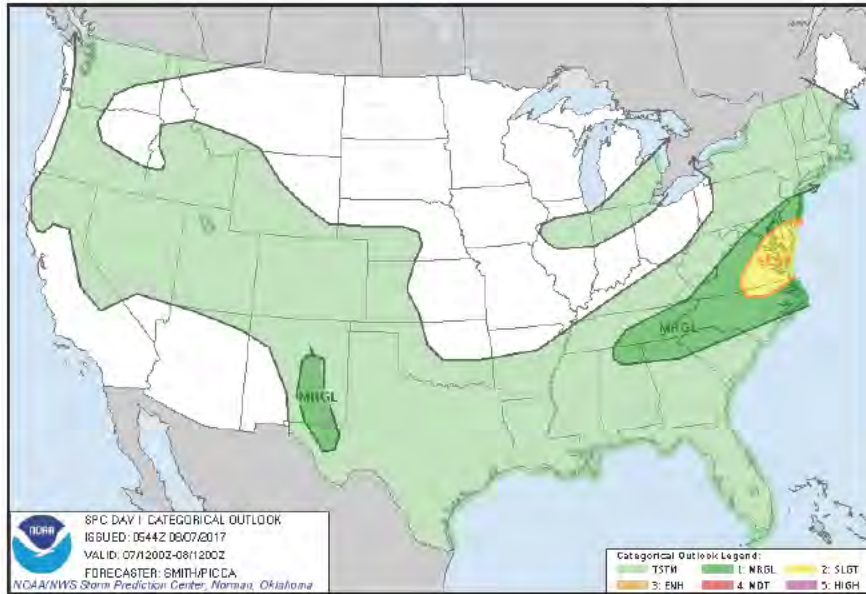


**Significant River Flooding**



There is Significant River Flooding occurring, imminent, or likely in west-central Missouri.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today for portions of the mid-Atlantic states. There is a Marginal Risk of severe thunderstorms for portions of the mid-Atlantic, the upper Southeast, and the Ohio and Tennessee valleys. There is also a Marginal Risk of severe thunderstorms for portions of far western Texas and southeastern New Mexico.

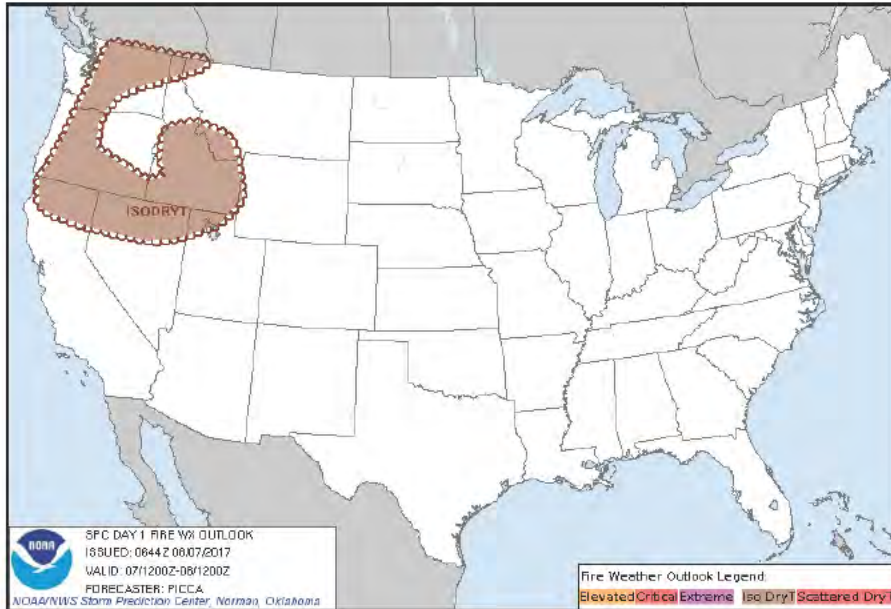
## Tornado Weather



There is a 2-percent chance of tornado activity today for portions of the mid-Atlantic.



## Fire Weather

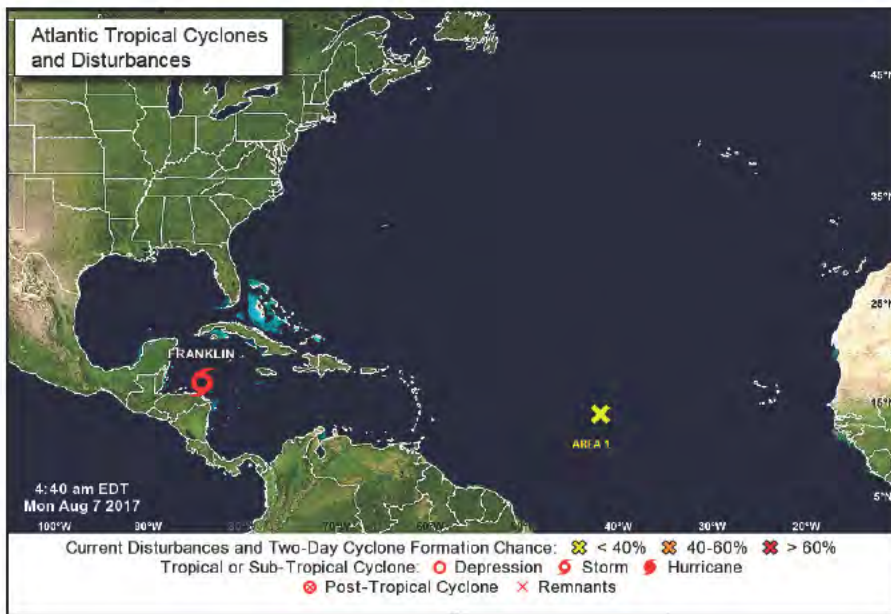


There is no Critical Fire Weather forecast for today across the U.S.; however, an area of Isolated Dry Thunderstorms is forecast for Idaho, Oregon, central Washington, northern California, northern Nevada, and northwestern Utah.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 7, 2017

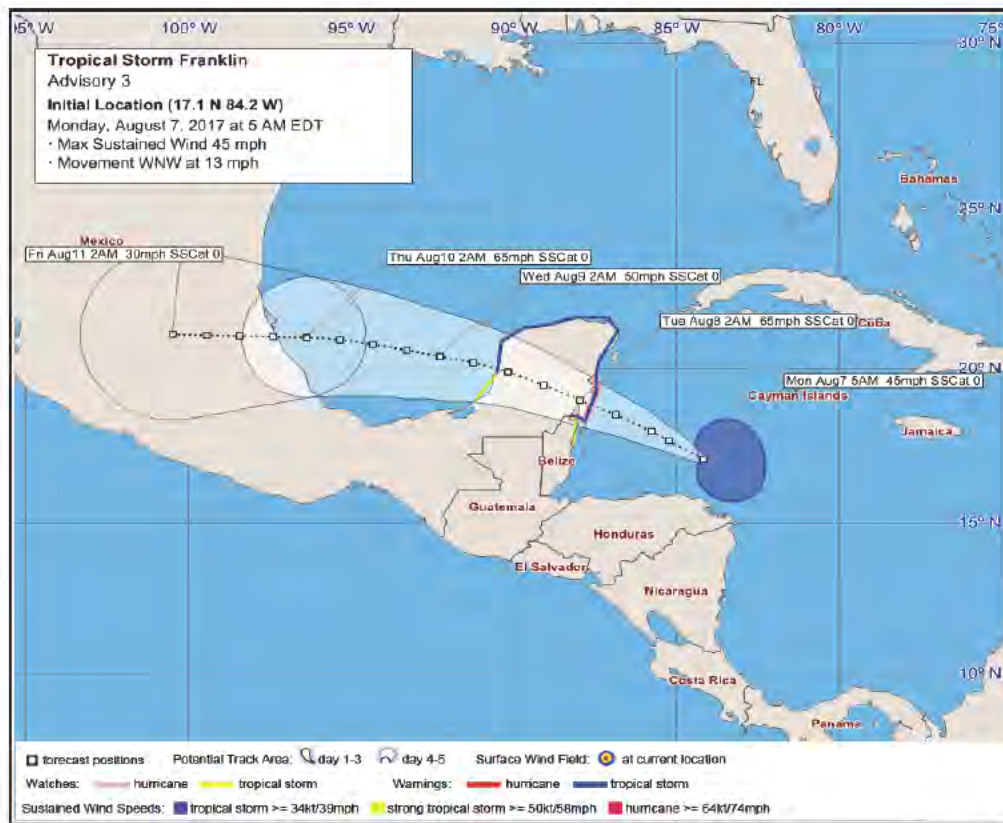
### Atlantic Ocean/Gulf of Mexico



**Area 1:** An area of low pressure located about midway between the Cabo Verde Islands and the Lesser Antilles is producing limited shower and thunderstorm activity. Environmental conditions are forecast to be unfavorable for development during the next few days. Upper-level winds could become more conducive for some gradual increase in organization later in the week while the system moves generally west-northwest across the tropical Atlantic at about 15 miles per hour (mph). This system has a near zero percent chance of developing into a tropical cyclone over the next 48 hours.

### Tropical Storm Franklin

As of 5:00 a.m. this morning, Tropical Storm Franklin was located approximately 285 miles east-southeast of Chetumal, Mexico, moving toward the west-northwest at 13 mph. This general motion is expected to continue over the next 48 hours. Franklin is forecast to pass north of Honduras today and will approach the eastern coast of the Yucatan peninsula later tonight through Tuesday. Maximum sustained winds are near 45 mph, with higher gusts. Franklin will continue to gain strength and could be near hurricane strength as it reaches landfall later tonight. A Hurricane Watch is in effect for the coast of Mexico from Chetumal to Punta Allen. A Tropical Storm Warning is in effect for the coast of Mexico from Chetumal to Campeche. A Tropical Storm Watch is in effect for Belize City northward to the border of Mexico, and the coast of Mexico from Campeche to Sabancuy.



### Eastern Pacific Ocean

There is no tropical cyclone activity forecast during the next 48 hours.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, August 8, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 4**  
**Bogoslof Volcano: Alert Level is WARNING; Aviation Color Code is RED**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 8, 2017*

The **Delano Fire** (Nevada) and the **Shoestring Fire** (Idaho) reached 100-percent containment yesterday and will no longer be summarized in this report. The Incident Status Summary (ICS-209) for the **Lodgepole Complex Fire** (Montana) and the **Lava Flow Fire** (Idaho) were not updated; therefore, the fires will not be summarized today.

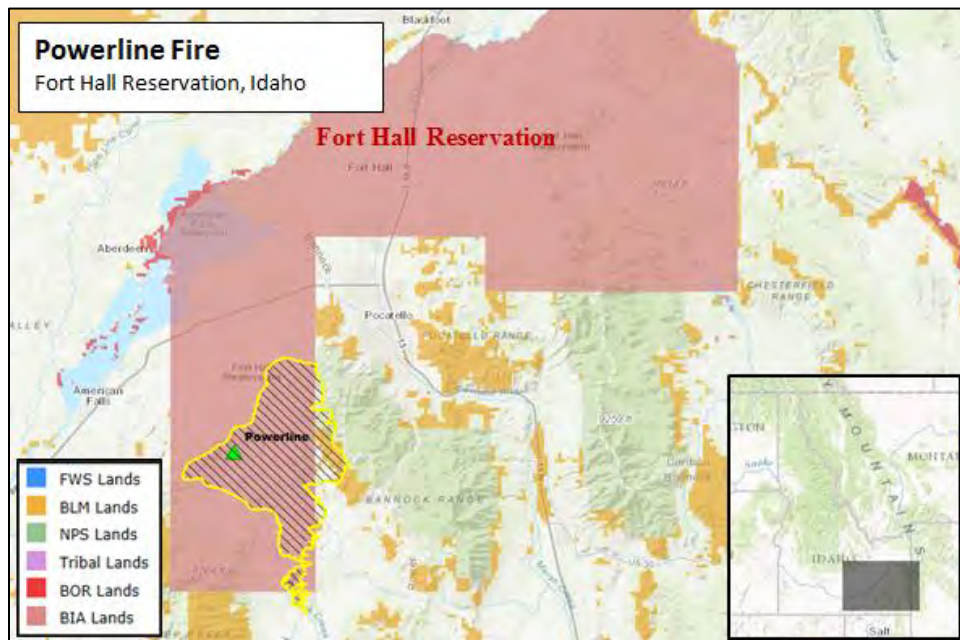
## Idaho

### **Powerline Fire**

- Start Date: August 4
- Location: Fort Hall Reservation, ID (BIA)
- Burned Acres: 52,014 (+6,014)
- Containment: 25-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 403 (+102) / 126 (+23)
- Structures Threatened-Single-Mixed Residential / Commercial: 20 (no change) / 0 (no change)
- Evacuations / Shelter in place: 150 (no change) / 0 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: August 13

Comments: Fire behavior was described as moderate during this reporting period with isolated torching and flanking. Some areas of the fire perimeter became more active with thunderstorm development, but additional perimeter spread is expected to be minimal over the next several days. People who were evacuated from their homes along the Arbon Valley Road, south to Rattlesnake Road, were allowed to return to their residences on Monday. Native American cultural resources, powerlines, and pipelines remain threatened by the fire. Road, trail, and area closures are in effect.



IGEMS Image

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 4,681 (-619)
- Containment: 19-percent (+6)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 397 (+65) / 14 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (no change) / 13 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)

- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with isolated torching and flanking. A mapping flight on Monday revealed less growth than previously reported, and the fire size was reduced to reflect. Additional fire growth is expected in the coming days. The northern spotted owl habitat, sensitive aquatic species, U.S. Forest Service timber sale groves, recreation sites, and other sensitive plant and animal species continue to be threatened by the fire. Road, trail, and area closures remain in effect within the Crater Lake National Park, and the fire has the potential to threaten the Park Headquarters and Visitor Center in the coming days. Additional fire crews are needed, and air asset coverage is inadequate at this time. Economic impacts to the Crater Lake National Park include the loss of 6,000 visitors per day.

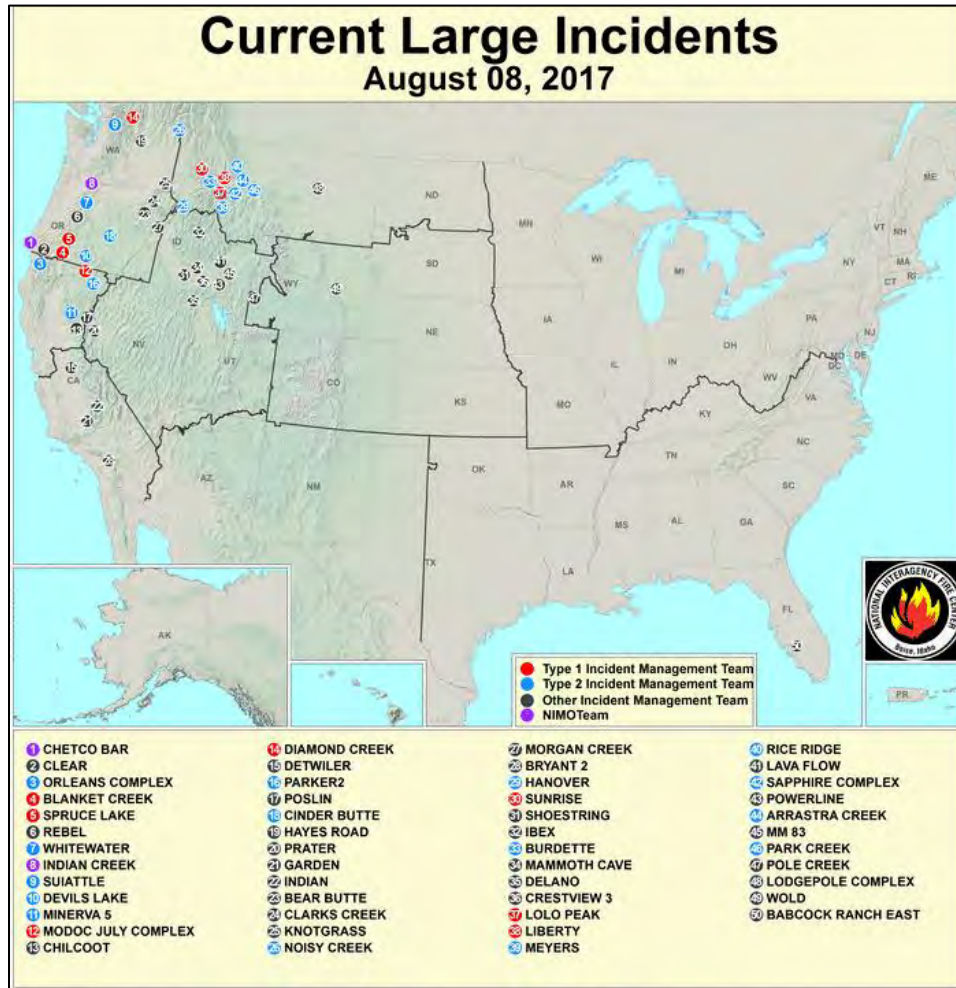


IGEMS Image

The IOC is also monitoring the following fire:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Mammoth Cave	Lincoln, ID	BLM	3	50,116	98%	August 7

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – August 8, 2017*

### National Preparedness Level 4 National Fire Activity

Initial attack activity:	Light (127 new fires)
New large fires:	2
Large fires contained:	3
Uncontained large fires: **	29
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	6
Type 2 IMTs committed:	16

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslov Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 7, 2017*

**Alert Level = WARNING**

**Color Code = RED**

An explosive eruption began at the Bogoslov Volcano on August 7 at approximately 2:00 p.m. EDT and continued until around 5:00 p.m. EDT. The eruption was detected in seismic, infrasound, satellite, and lightning data. Since that time, seismic and infrasound activity levels have declined, but are still above background levels. Low-level ash emissions may still be occurring and could intensify again at any time. Due to the increased activity at the volcano, the AVO raised the Aviation Color Code to Red and the Volcano Alert Level to Warning.

The AVO reports that yesterday's eruption at Bogoslov was longer in duration than most of the events in the eruptive sequence that began in December of 2016. As of last night, satellite images indicated that the ash cloud was moving to the south over Umnak Island and then the Pacific Ocean. The National Weather Service Alaska Aviation Weather Unit issued a Significant Meteorological Information (SIGMET) Warning for aviation activities up to 34,000 feet above sea level.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 7, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Elevated surface temperatures in the summit crater were observed in satellite data, and vigorous steaming was observed in web camera images. Recent data suggests that the extrusion of lava in the summit crater may have slowed or paused over the past week.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 7, 2017*

**Alert Level = WATCH**

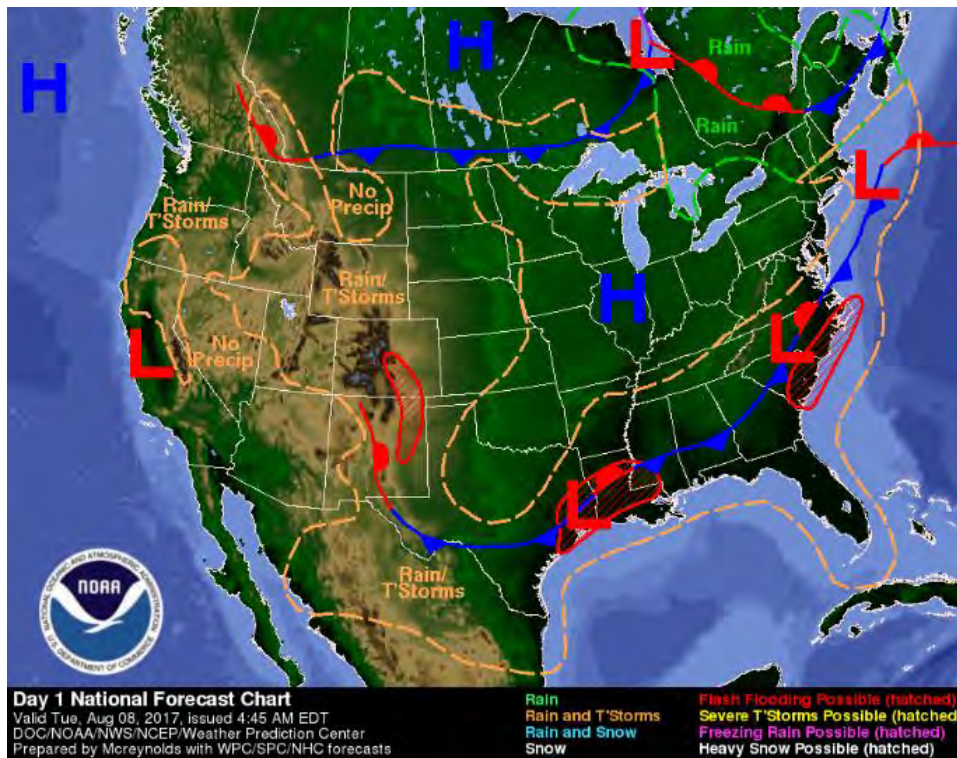
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The lava lake at Halema‘uma‘u continues to circulate and spatter, and the lava lake surface level continues to fluctuate. Summit tiltmeters began recording deflationary tilt since late last Sunday night. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.



## Significant National Weather

Source: National Weather Service - August 8, 2017



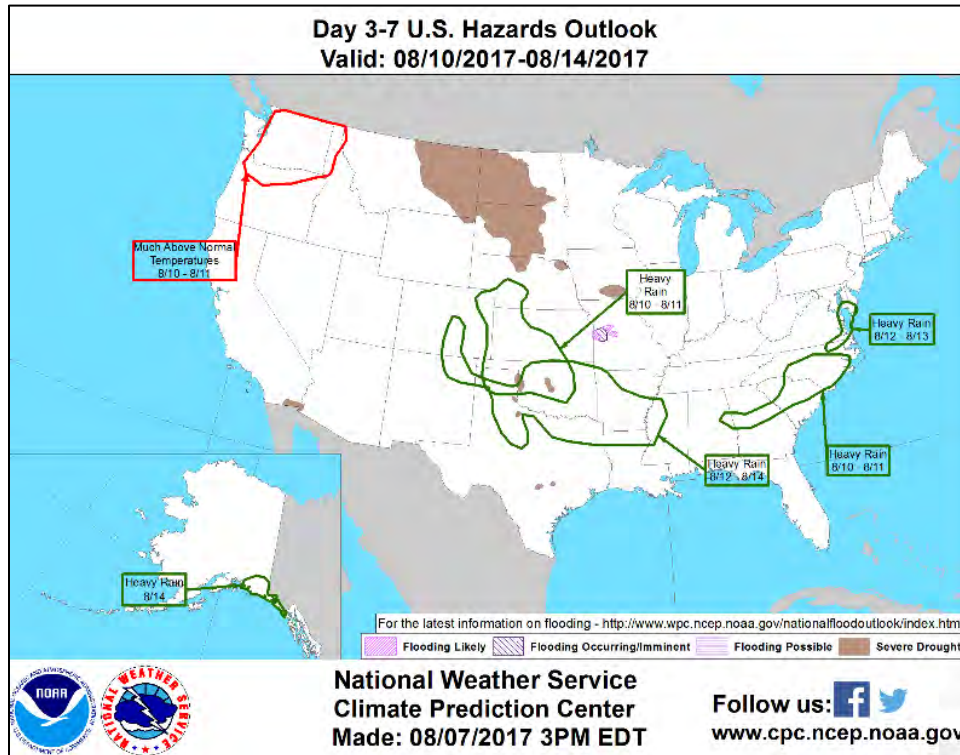
### **Today**

A frontal system will extend from just off the Northeast coast down across the Carolinas into the Deep South, the lower Mississippi Valley, and from southern Texas to the southwestern Plains. Expect rain and thunderstorms over portions of the Northeast coast and the Southeast from the lower Mississippi Valley to southern Texas. Heavy rain and flash flooding are forecast for the Carolina coastal region and portions of the lower Mississippi Valley. To the north, rain showers will be possible across New England and eastern Canada. Showers and thunderstorms will develop across the Great Plains, the Rockies, and the Great Basin. A few severe thunderstorms will be possible this afternoon into the early evening over parts of the central High Plains. Heavy rain and flash flooding are forecast to develop along the Rockies from Colorado to New Mexico. Additional showers and thunderstorms will develop over the Sierras.

### **Tomorrow**

Rain and thunderstorms will continue across the Carolinas, the Southeast, the Deep South, the southern Appalachians, and the lower Mississippi Valley. Heavy rain and flash flooding will be possible for the Carolina coastal region and across central Alabama. Rain and thunderstorms are expected from New England to the Great Lakes and in the northern and central Plains. A few marginally severe thunderstorms could occur in the central and northern Plains during the afternoon and early evening. Heavy rain and flash flooding will be possible from central Kansas to far western Missouri. Elsewhere, afternoon and evening showers and thunderstorms will develop over the Rockies and the northern Great Basin.

## Weather Hazard Assessment



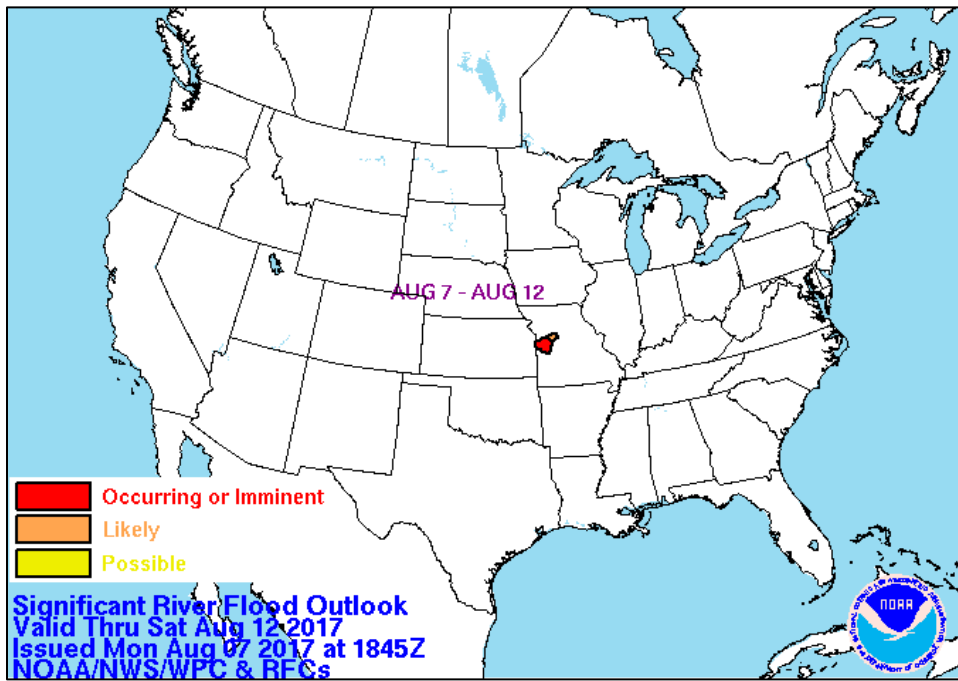
- August 8: Severe drought across parts of the Great Plains, the middle Mississippi Valley, California, the Southwest, and Hawaii.
- August 8: Flooding is likely, occurring, or imminent for parts of western Missouri.
- August 10-11: Heavy rain for parts of the Tennessee Valley, the Southeast, and the mid-Atlantic.
- August 10-11: Heavy rain for parts of the central and southern Plains.
- August 10-11: Much above-normal temperatures across parts of the Pacific Northwest and the northern Great Basin.
- August 12-13: Heavy rain for parts of the mid-Atlantic.
- August 12-14: Heavy rain for parts of the central and southern Rockies, the southern Plains, and the lower Mississippi Valley.
- August 14: Heavy rain for parts of southeastern mainland Alaska and the northern portions of the Alaska Panhandle.

### Alaska Weather

A Small Craft Advisory is in effect in the central and western Gulf of Alaska and the Barren Islands. A Gale Warning is in effect in the Shelikof Strait. A Special Weather Statement has been issued for portions of central Alaska for dropping water levels on the Koyukuk River.



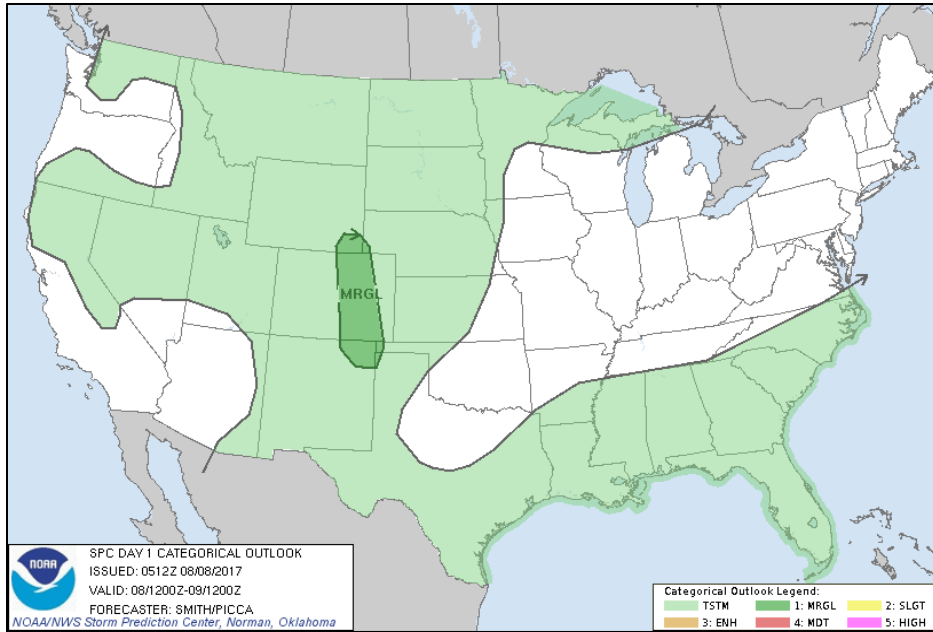
**Significant River Flooding**



There is Significant River Flooding occurring, imminent, or likely in west-central Missouri.

## Severe Weather

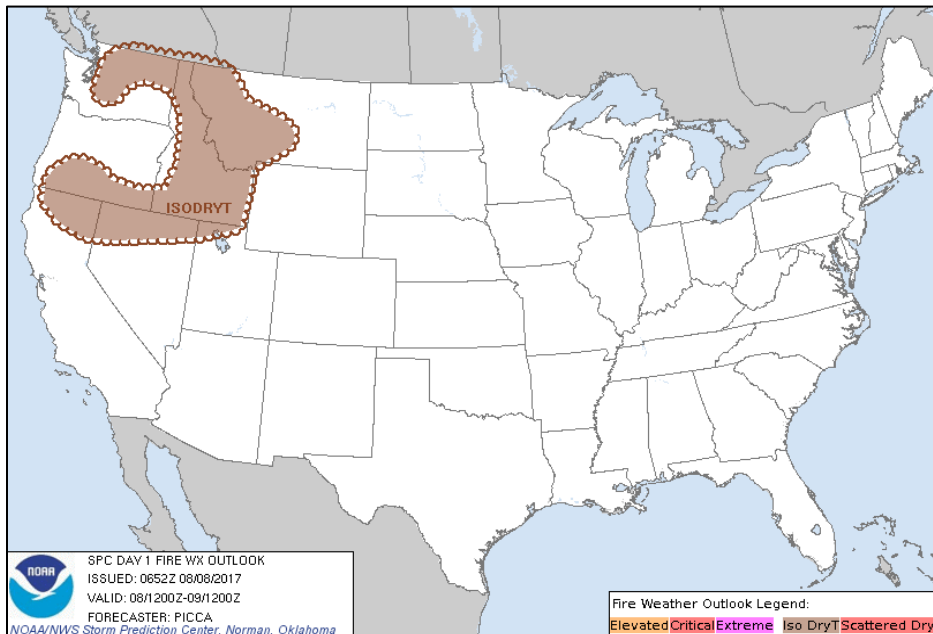
There is a Marginal Risk of severe thunderstorm activity today in portions of the central High Plains.



## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

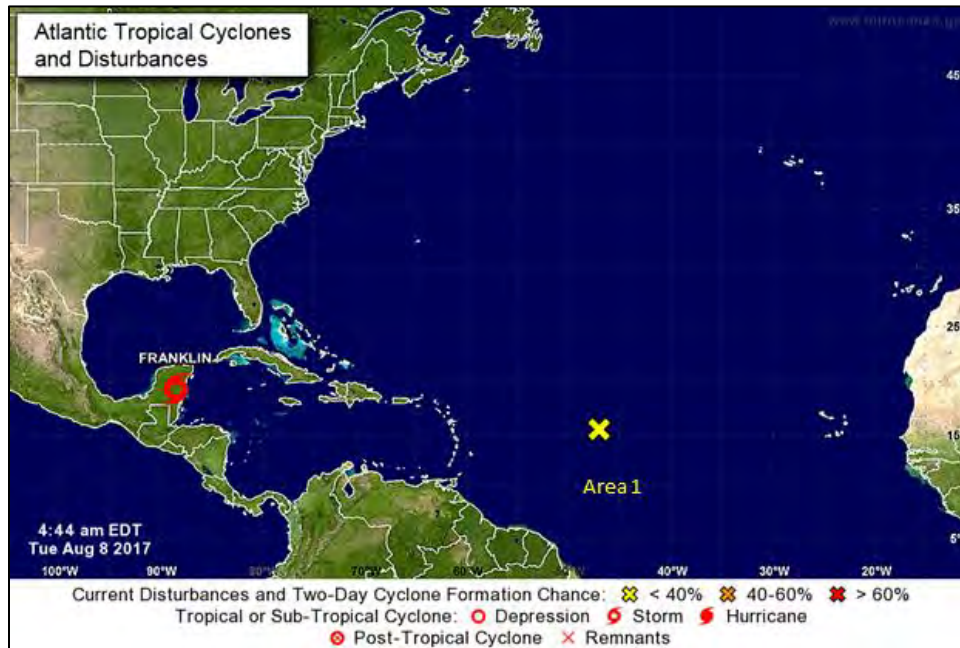


There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northern Nevada, northern Utah, southern Oregon, Idaho, Washington, and the western half of Montana.

### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – August 8, 2017*

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

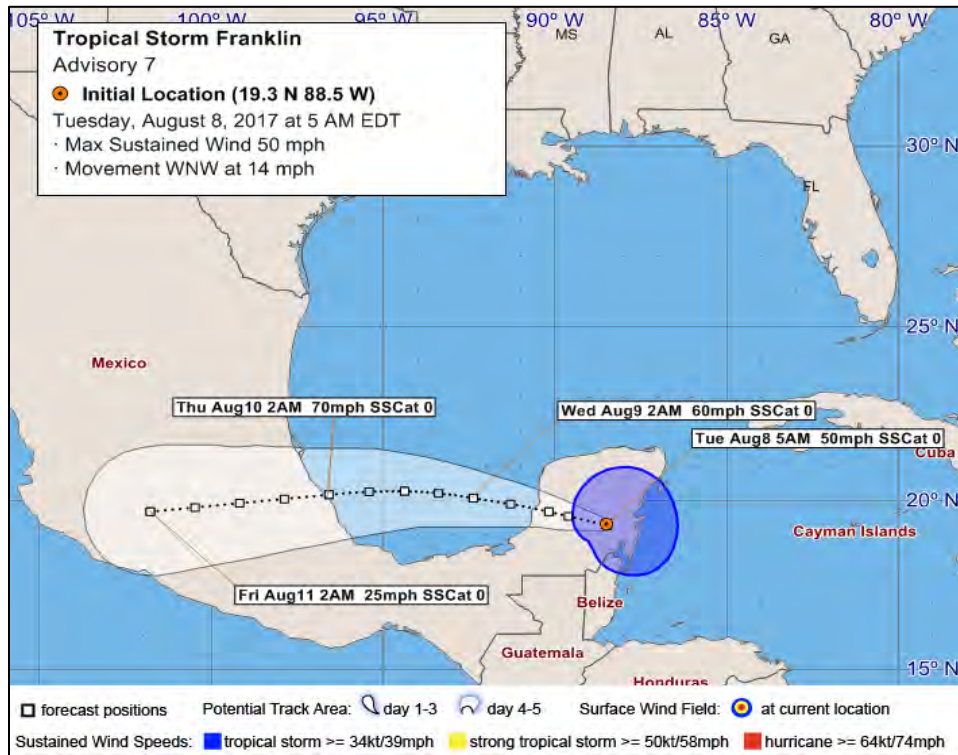


**Area 1:** A trough of low pressure located about 900 miles east of the Lesser Antilles continues to produce disorganized cloudiness and showers. Due to unfavorable environmental conditions, this system is not expected to develop during the next few days; however, some development is possible by late in the weekend while the system moves west to northwestward at about 15 miles per hour (mph) over the western Atlantic. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **Tropical Storm Franklin**

The National Weather Service reports that Tropical Storm Franklin made landfall on the Yucatan Peninsula last night. As of 5:00 a.m. EDT, the storm was located approximately 55 miles north-northwest of Chetumal, Mexico, and moving toward the west-northwest at 14 mph. A west-northwestward to westward motion is expected during the next couple of days. On this forecast track, the center of Franklin will move across the Yucatan Peninsula through today and emerge over the Bay of Campeche tonight. Maximum sustained winds are near 50 mph, with higher gusts. Weakening is expected while Franklin moves across the Yucatan Peninsula today, but the storm is forecast to begin to strengthen tonight and Wednesday while it moves over the Bay of Campeche.

A Hurricane Watch is in effect for the coast of Mexico from Puerto de Veracruz to Rio Panuco. A Tropical Storm Warning is in effect from Belize City to the Belize and Mexico border and from Chetumal to Sabancuy along Mexico's coast. A Tropical Storm Watch is in effect for the coast of Mexico from Sabancuy to Puerto de Veracruz. Tropical Storm Franklin is not threatening U.S. interests at this time.



IGEMS Image

## Eastern Pacific Ocean

Tropical cyclone activity is not expected during the next 48 hours.

***\*End of Report\****

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, August 9, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 9, 2017*

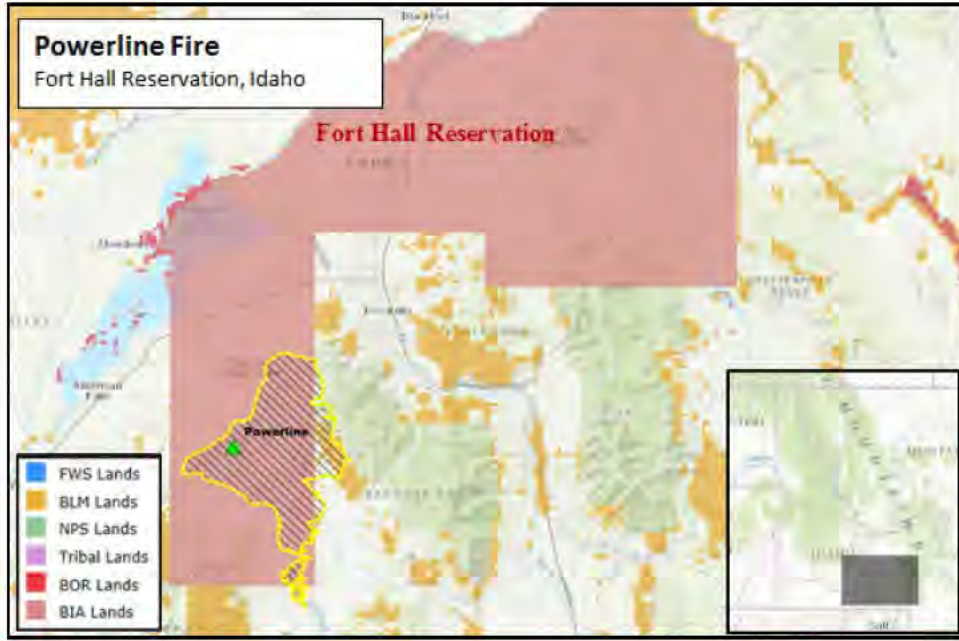
The **Mammoth Cave Fire** and the **Lava Flow Fire** in Idaho reached 100-percent containment and will no longer be summarized in this report.

## Idaho

### **Powerline Fire**

- Start Date: August 4
- Location: Fort Hall Reservation, ID (BIA)
- Burned Acres: 53,076 (+1,062)
- Containment: 47-percent (+22)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 468 (+65) / 123 (-3)
- Structures Threatened-Single-Mixed Residential / Commercial: 20 (no change) / 0 (no change)
- Evacuations / Shelter in place: 150 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 13

Comments: Fire behavior was described as minimal during this reporting period with creeping and smoldering. Additional perimeter growth is not expected. Native American cultural resources, powerlines, and pipelines will remain threatened over the next 12 hours, but the risk to these areas will be minimal over the next several days if no additional fire growth occurs. The current assigned resources are reportedly adequate to meet the needs of the fire response.



IGEMS Image

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 4,681 (no change)
- Containment: 23-percent (+4)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 384 (-13) / 15 (+1)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (no change) / 13 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with isolated torching and flanking. Fire spread is expected to continue to the south and to the northeast over the next couple of days. Several trails in the Crater Lake National Park are closed, including the



Pacific Crest Trail. The Park's West Rim Road remains closed, and an evacuation notice has been issued for the Visitor's Center at Rim Village, the Park Headquarters, and the Mazama Village. Northern spotted owl habitat, sensitive aquatic species, U.S. Forest Service timber sale groves, recreation sites, and other sensitive plant and animal species continue to be threatened by the fire.

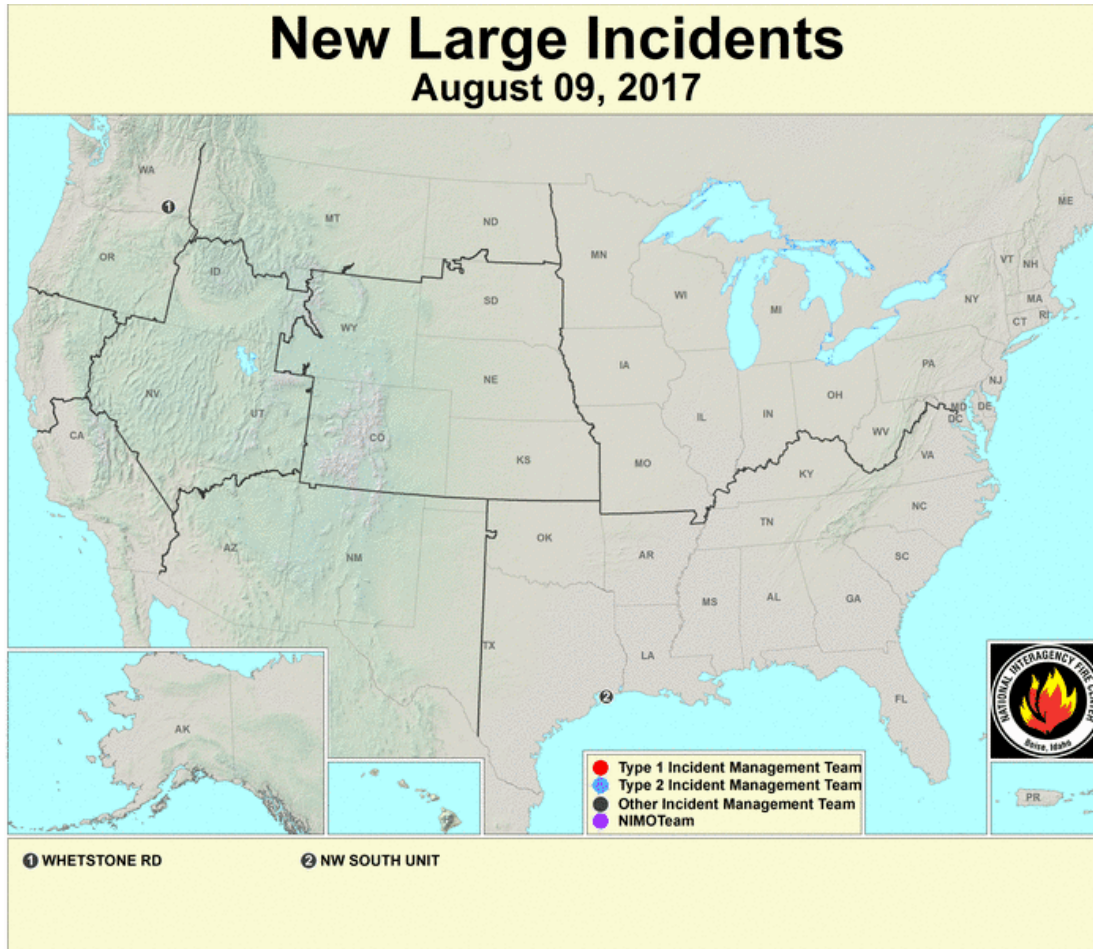


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Lodgepole Complex	Garfield, MT	BLM	4	270,743	98%	August 7
Potato	Carter, MT	BLM	3	1,097	45%	August 16
Dune	Humboldt, NV	BLM	3	13,000	20%	August 9

## Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 9, 2017

#### National Preparedness Level 4

#### National Fire Activity

Initial attack activity:	Light (146 new fires)
New large fires:	6
Large fires contained:	5
Uncontained large fires: **	27
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	7
Type 2 IMTs committed:	17

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No further ash emissions have occurred at the Bogoslof Volcano since the August 7 eruption, and seismicity remains low. Due to the reduction in activity, the AVO reduced the Aviation Color Code to Orange and the Volcano Alert Level to Watch. Satellite data on Tuesday morning showed a significant expansion to the northern side of the Bogoslof Island due to Monday's three-hour eruption. Thick new tephra deposits have surrounded the vent area, forming a new crater lake. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Elevated surface temperatures in the summit crater were observed in satellite data, and vigorous steaming was observed in web camera images. No significant activity was observed in seismic and infrasound data from the volcano.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The lava lake at Halema‘uma‘u continues to circulate and spatter, and the lava lake surface level continues to fluctuate. Summit tiltmeters have recorded deflationary tilt since Sunday. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey - August 8, 2017*

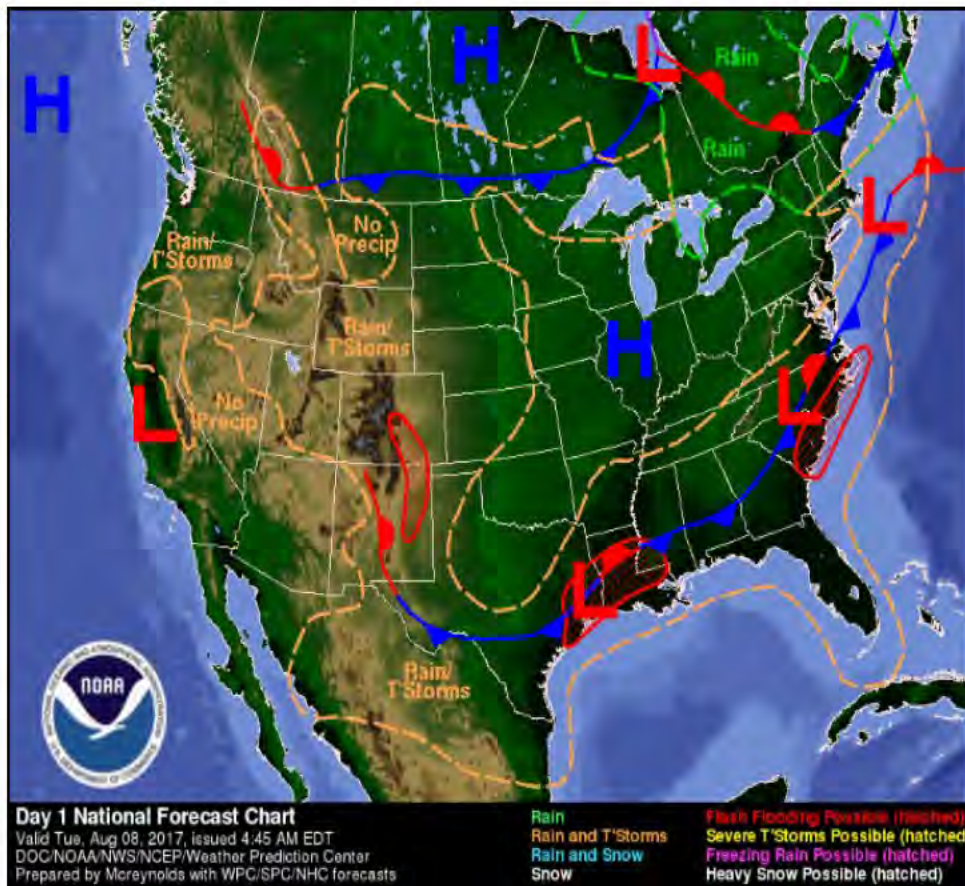
The United States Geological Survey (USGS) reported that a magnitude 6.5 earthquake occurred on August 8 at 9:19 a.m. EDT, approximately 22 miles to the west-southwest of Yongle, China at a depth of 5.6 miles. The USGS issued a Yellow PAGER Alert for economic losses, indicating that some damage was possible and that the impact should be relatively localized. A Green PAGER Alert was issued for shaking-related fatalities, indicating a low likelihood for casualties.

The USGS reported that a magnitude 6.3 earthquake occurred on August 8 at 7:27 p.m. EDT, approximately 39.5 miles to the west-southwest of Todok, China at a depth of 16 miles. This earthquake was approximately 1,100 miles from the magnitude 6.5 earthquake that was reported earlier yesterday. The USGS initially issued a Yellow PAGER Alert for economic losses, indicating that some damage was possible and that the impact should be relatively localized. A Green PAGER Alert was issued for shaking-related fatalities, indicating a low likelihood for casualties. The Yellow PAGER Alert for economic losses was later changed to a Green PAGER Alert.

The USGS reported that a magnitude 5.2 earthquake occurred on August 8 at 5:46 p.m. EDT, approximately 29 miles to the west-southwest of Attu Station, Alaska at a depth of 21.6 miles. The earthquake occurred offshore, and the USGS did not issue a PAGER Alert for this event. No tsunami was generated.

### **Significant National Weather**

*Source: National Weather Service - August 9, 2017*



### **Today**

A stationary front will stretch from the Southeast coast along the Gulf Coast to southern Texas and the Four Corners. Rain and thunderstorms will develop over the Southeast, southern

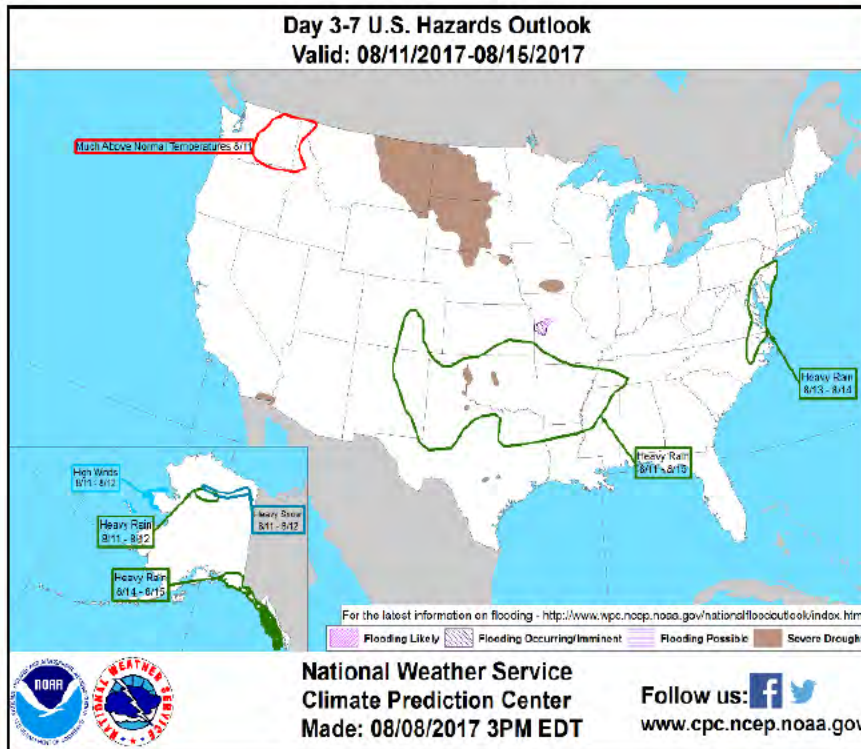
Appalachians, Deep South, portions of the lower Mississippi Valley, and the Rio Grande Valley. Heavy rain and flash flooding will be possible across parts of the Southeast. Another frontal boundary will extend from the St. Lawrence River west across the Great Lakes to a wave of low pressure over North Dakota and the northern Rockies. Rain and thunderstorms are expected from New England and eastern Canada across the Great Lakes to the upper Midwest and northern Plains. Thunderstorms with a marginal threat for hail and locally strong wind gusts are forecast from southwestern Minnesota to northeastern New Mexico this afternoon and evening. Some of these thunderstorms will also produce heavy rain which may result in areas of flash flooding, especially over the upper Midwest and central Plains. Elsewhere, afternoon and evening showers and thunderstorms will develop across parts of the Great Basin. Thunderstorms with a marginal threat for hail and locally strong wind gusts are forecast this afternoon and evening for portions of northern California and adjacent Oregon and Nevada.

### **Tomorrow**

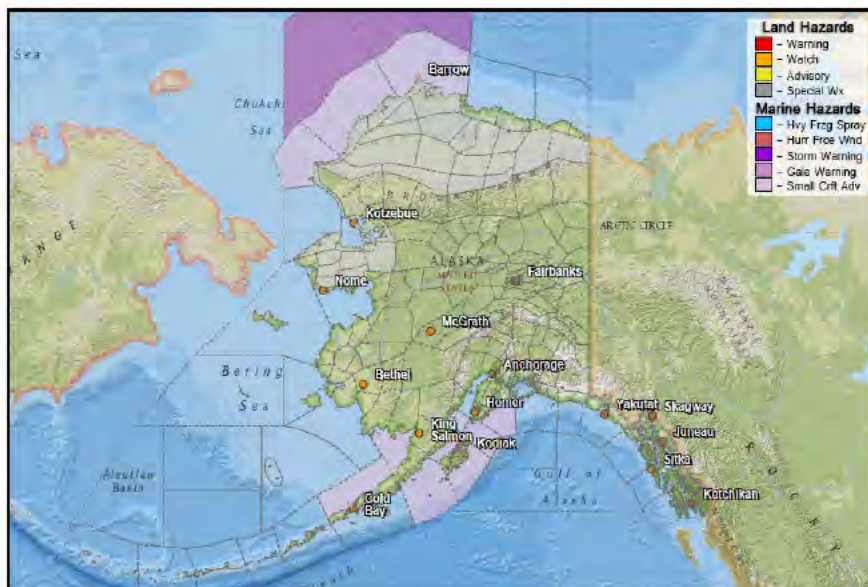
Widespread shower and thunderstorm activity is expected from the Great Lakes and northern New England south to the Gulf of Mexico and across the central Great Plains. A chance for isolated large hail and a few damaging wind gusts will be possible across parts of the central Plains. Marginally severe thunderstorms could also affect parts of the southern high Plains. Heavy rain, which could produce areas of flooding and flash flooding, will be possible from western Colorado to southeastern Kansas and northeastern Oklahoma. Elsewhere, afternoon and evening showers and thunderstorms are forecast to develop across the Four Corners, the Rockies, the Sierras, and the Oregon Cascades.

### **Weather Hazard Assessment**

- August 8: Severe drought across parts of the Great Plains, the middle Mississippi Valley, California, the Southwest, and Hawaii.
- August 8: Flooding is likely, occurring, or imminent for parts of western Missouri.
- August 11: Much above-normal temperatures for portions of the northern Intermountain West.
- August 11-12: Heavy snow above 2,500 feet for parts of the Brooks Range of Alaska.
- August 11-12: Heavy rain for portions of the southern side of the Brooks Range of Alaska.
- August 11-15: Periods of heavy rain for parts of the central and southern Rockies, the central and southern Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the Tennessee Valley.
- August 13-14: Heavy rain for parts of the mid-Atlantic.
- August 14-15: Heavy rain for parts of southeastern mainland Alaska and portions of the Alaska Panhandle.



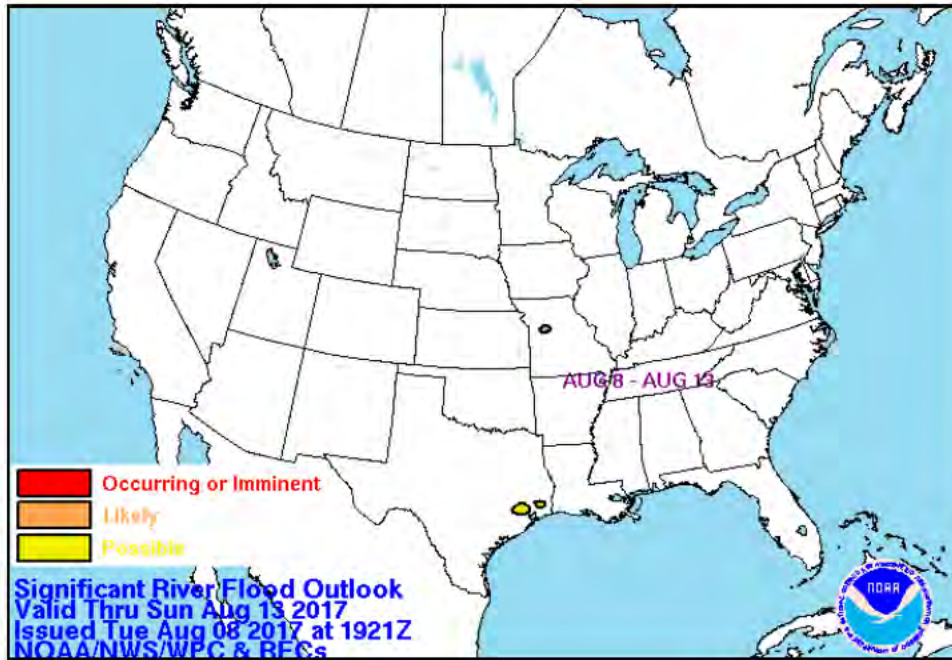
## Alaska Weather



A Small Craft Advisory is in effect in portions of the western Gulf of Alaska, the Barren Islands, the Shelikof Strait, the eastern Aleutian Islands, Bristol Bay, and from Cape Thompson to Cape Halkett. A Special Weather Statement has been issued for high surf conditions along Alaska's northern coast and the Seward Peninsula. A Gale Warning is in effect in offshore areas of Alaska's northern coast.

## Significant River Flooding

There is Significant River Flooding likely in portions of Missouri and possible in eastern Texas.



## Severe Weather

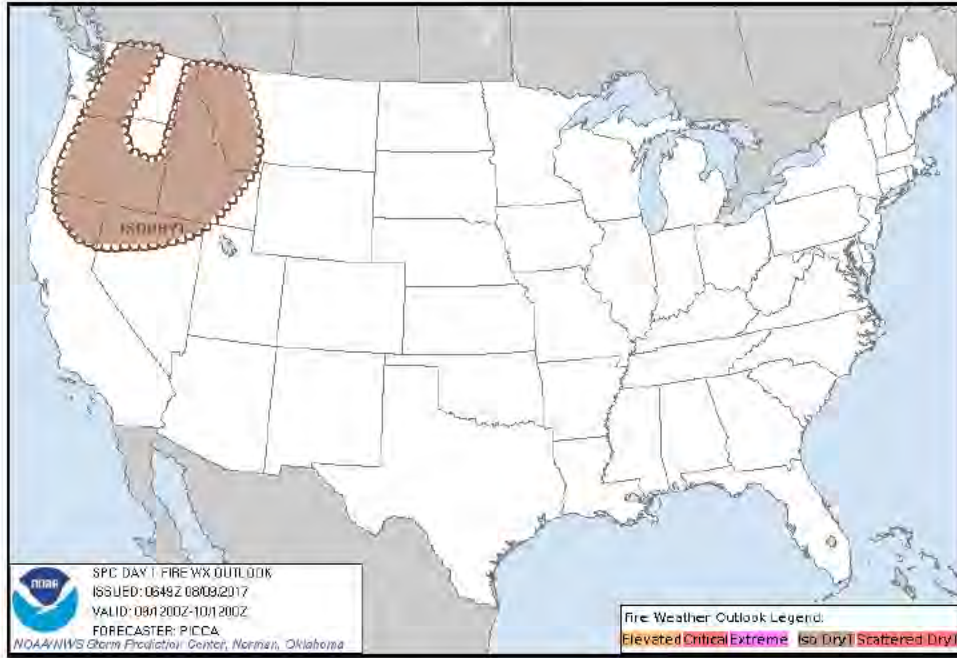


There is a Marginal Risk of severe thunderstorm activity today from southwestern Minnesota to northeastern New Mexico. A Marginal Risk also exists in northern California, northwestern Nevada, and southern Oregon.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northern Nevada, Oregon, Idaho, Washington, and the western Montana.

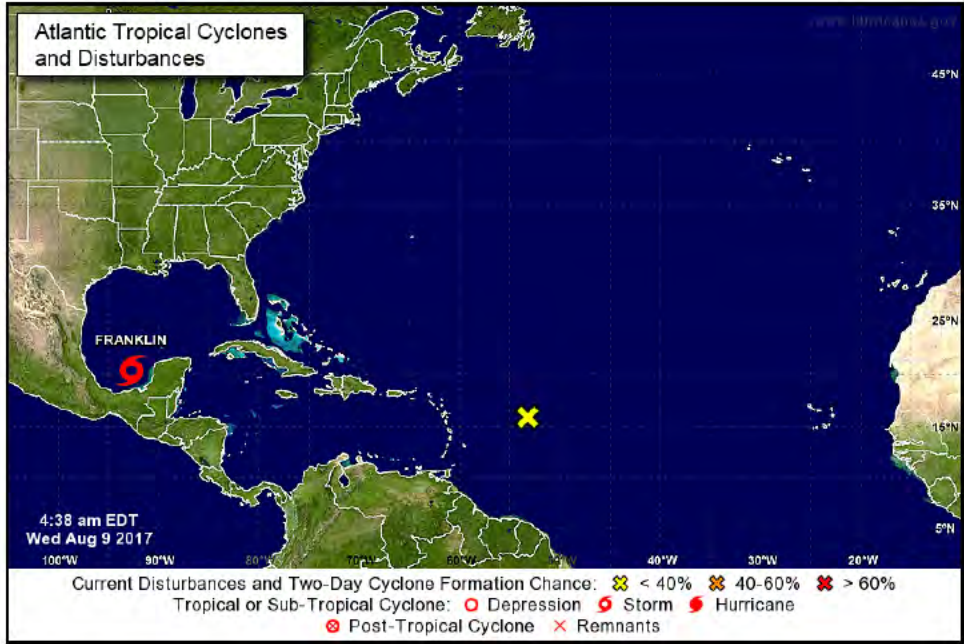
## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – August 9, 2017*

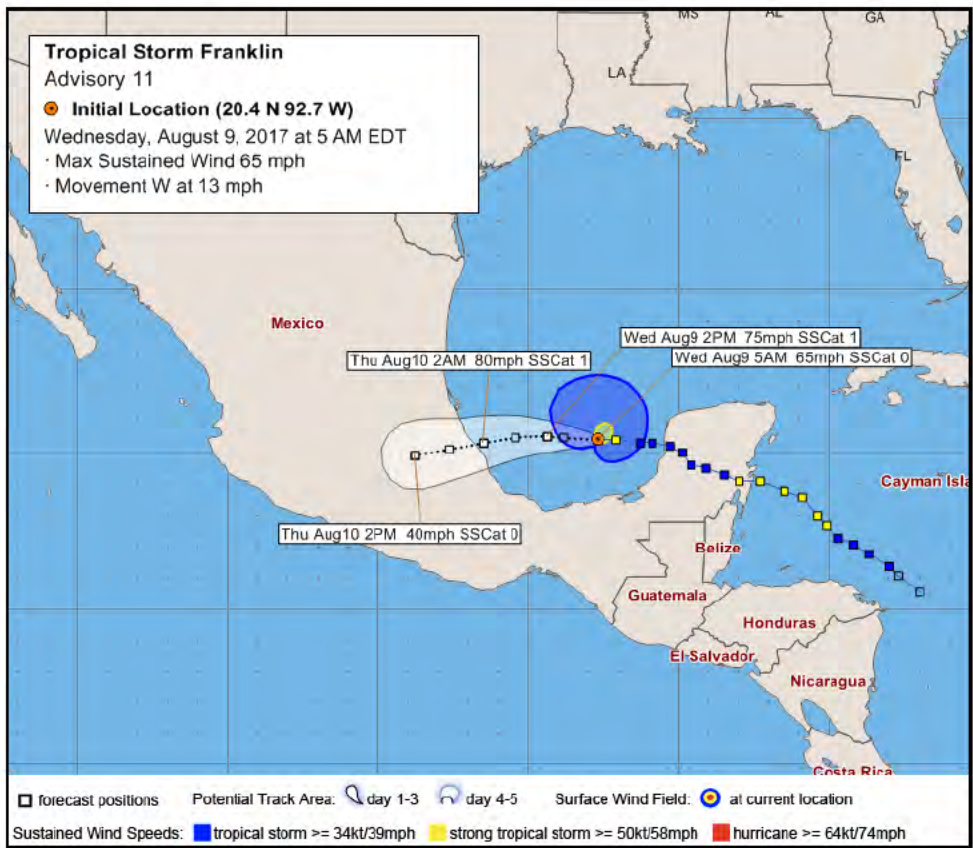
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** A trough of low pressure located about 550 miles east of the Leeward Islands continues to produce disorganized showers and thunderstorms. Environmental conditions are expected to remain unfavorable for significant development during the next couple of days. Environmental conditions are forecast to become somewhat conducive for development late this week while the system moves generally west-northwestward at about 15 miles per hour (mph) over the western Atlantic. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.





### Tropical Storm Franklin



IGEMS Image

As of 5:00 a.m. EDT, Tropical Storm Franklin was located approximately 190 miles northeast of Coatzacoalcos, Mexico, and moving toward the west-northwest at 13 mph. A westward motion is expected to continue until Franklin makes landfall in Veracruz, Mexico, tonight or early tomorrow. Maximum sustained winds have increased to near 65 mph, with higher gusts, and additional strengthening is expected. Tropical Storm Franklin is forecast to reach hurricane strength prior to landfall.

A Hurricane Warning is in effect for the coast of Mexico from Puerto de Veracruz to Tuxpan, and a Hurricane Watch is in effect from north of Tuxpan to Rio Panuco. A Tropical Storm Warning is in effect for the coast of Mexico from Puerto de Veracruz to Celestun and from Tuxpan to Rio Panuco. Tropical Storm Franklin is not threatening U.S. interests at this time.

### **Eastern Pacific Ocean**

Tropical cyclone activity is not expected during the next 48 hours.

***\*End of Report\****

#### **Distribution:**

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Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, August 10, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 10, 2017*

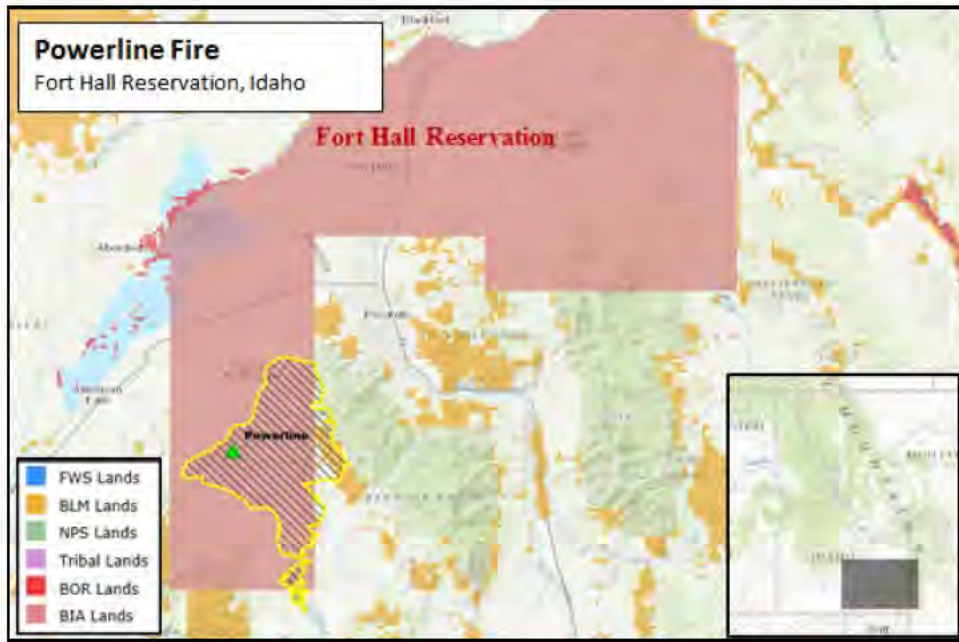
The **Potato Fire** in Montana and the **Dune Fire** in Nevada reached 100-percent containment and will no longer be summarized in this report.

## Idaho

### **Powerline Fire**

- Start Date: August 4
- Location: Fort Hall Reservation, ID (BIA)
- Burned Acres: 57,151 (+4,075)
- Containment: 85-percent (+38)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 464 (-4) / 127 (+4)
- Structures Threatened-Single-Mixed Residential / Commercial: 20 (no change) / 0 (no change)
- Evacuations / Shelter in place: 150 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+2) / 0 (no change)
- Containment Date: August 12

Comments: Fire behavior was described as minimal during this reporting period with creeping and smoldering. Additional perimeter growth is not expected. Native American cultural resources, powerlines, and pipelines will remain threatened over the next 24-48 hours, but the risk to these areas will be minimal over the next several days if no additional fire growth occurs. Two crew members sustained non life-threatening injuries and were removed from the fire area. Significant resource demobilization is projected to begin today.



IGEMS Image

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 4,681 (no change)
- Containment: 31-percent (+8)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 384 (no change) / 15 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (no change) / 13 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with isolated torching and flanking. Although fire spread is expected to continue to the south and to the

northeast over the next couple of days, fire behavior has been moderated by a wetting rain that fell over the entire fire area. Several trails in the Crater Lake National Park are closed, including the Pacific Crest Trail. The Park's West Rim Road remains closed, and an evacuation notice has been issued for the Visitor's Center at Rim Village, the Park Headquarters, and the Mazama Village. Northern spotted owl habitat, sensitive aquatic species, U.S. Forest Service timber sale groves, recreation sites, and other sensitive plant and animal species continue to be threatened by the fire.

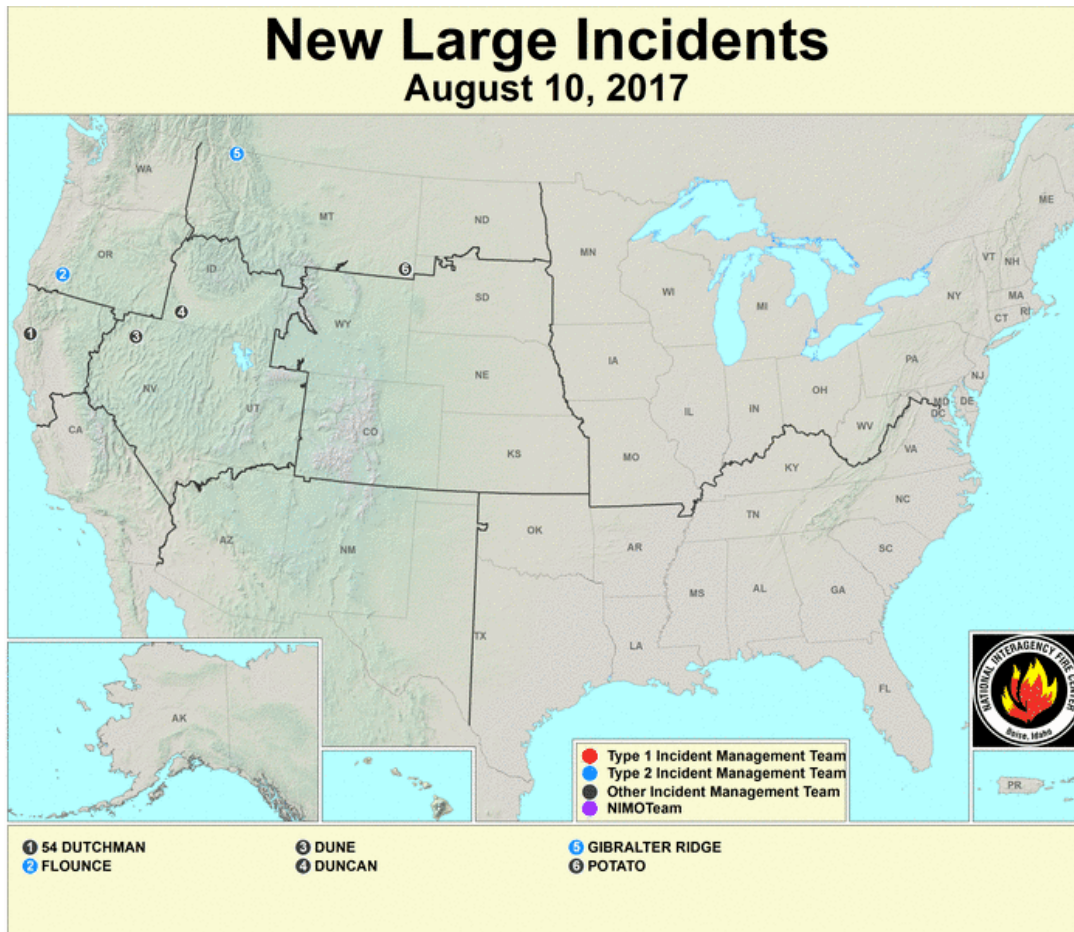


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Lodgepole Complex	Garfield, MT	BLM	4	270,743	98%	August 7
Nena Springs	Wasco, OR	BIA	3	14,000	4%	August 15
Dutch Mountain	Tooele, UT	BLM	4	1,428	50%	August 10

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – August 10, 2017*

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (127 new fires)
New large fires:	7
Large fires contained:	6
Uncontained large fires: **	24
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	6
Type 2 IMTs committed:	17

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Several short-duration seismic and infrasound signals were detected in routine checks of nearby islands; however, this is consistent with low-level eruptive activity from the Bogoslof Volcano during the most recent observation period. Satellite images showed weakly elevated surface temperatures and a minor steam plume. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Elevated surface temperatures in the summit crater were observed in satellite data. Web camera images were obscured by clouds. No significant activity was observed in seismic and infrasound data from the volcano.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The lava lake at Halema‘uma‘u continues to circulate and spatter, and the lava lake surface level continues to fluctuate. Summit tiltmeters began recording inflationary tilt on Tuesday. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.

## **Significant National Weather**

*Source: National Weather Service - August 10, 2017*

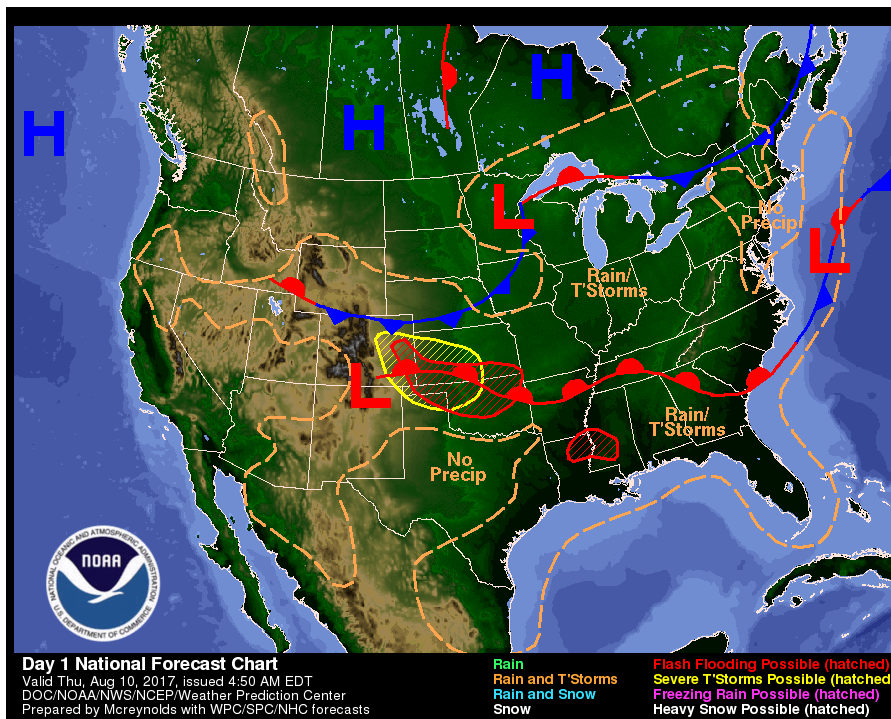
### **Today**

Rain and thunderstorms will develop over the Great Lakes, portions of New England, the Northeast, the Appalachians, the Deep South, and the Gulf Coastal region. Heavy rain is forecast to develop over portions of the lower Mississippi Valley, where there will be a threat of flash flooding. Additional scattered showers and thunderstorms will develop over the central

Plains. One or two clusters of severe thunderstorms are possible across parts of the central High Plains late this afternoon through tonight. Additionally, these thunderstorms will produce areas of heavy rain which could produce localized areas of flash flooding. Afternoon and evening showers and thunderstorms are expected over portions of the Four Corners, the Rockies, and the northern Great Basin.

## Tomorrow

Scattered showers and thunderstorms will develop tomorrow from the Great Lakes to the Northeast, and southward to the Gulf of Mexico. A few marginally severe thunderstorms will be possible for the lower to mid-Mississippi Valley. Rain and thunderstorms will also develop across the central and northern Great Plains. Marginally severe thunderstorms will be possible for the central High Plains. Additionally, heavy rain and flash flooding will be possible for Oklahoma and immediate surrounding states. Elsewhere, afternoon and evening showers and thunderstorms are forecast for the Four Corners, Rockies, and Oregon Cascades. Flash flooding will be possible for parts of New Mexico, Arizona, and southern Colorado.

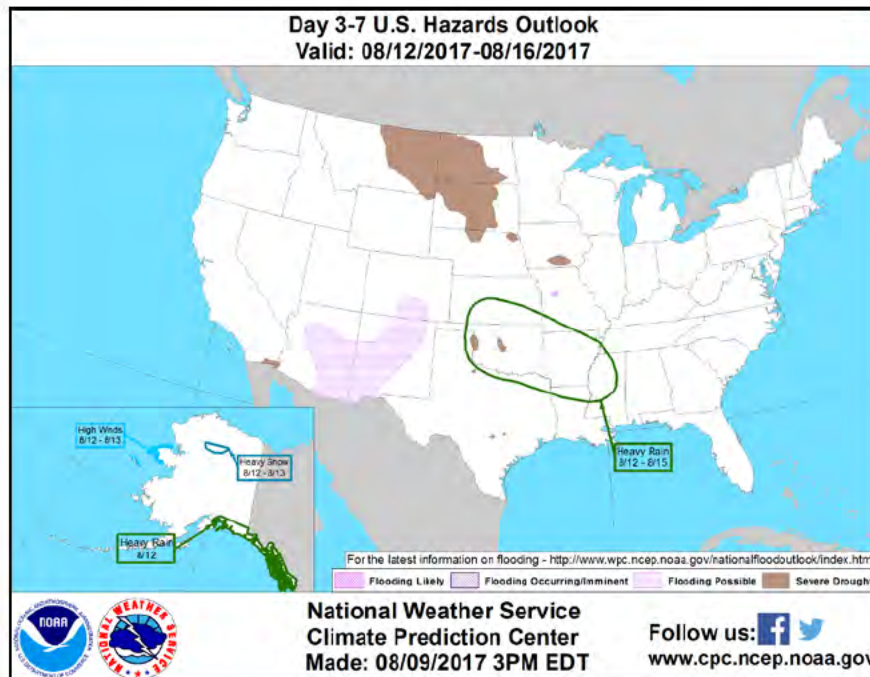


## Weather Hazard Assessment

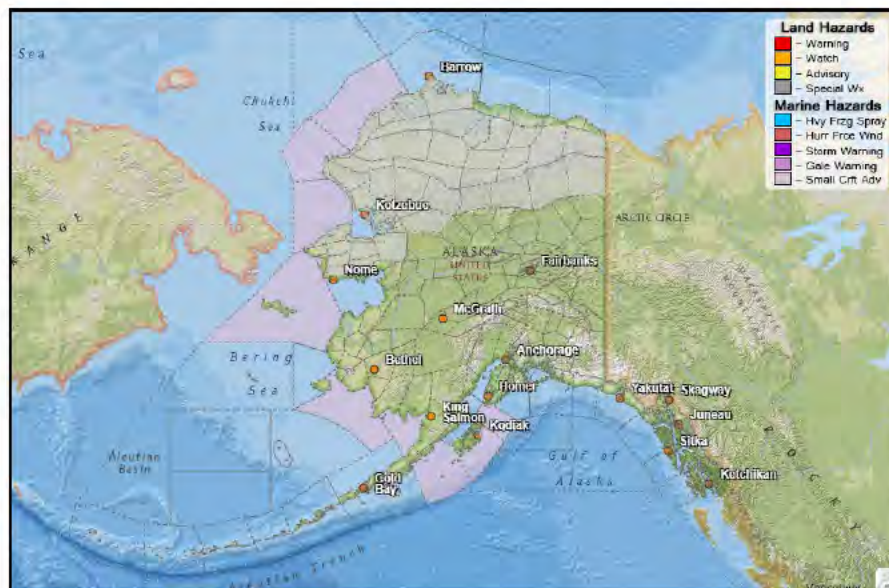
- August 12: Heavy rain for southeastern mainland Alaska and the Alaska Panhandle.
- August 12-13: High winds along coastal areas of Alaska bordering the southern Chukchi Sea and northern Bering Sea.
- August 12-15: Periods of heavy rain for the central and southern Great Plains and lower Mississippi Valley.
- August 12-13: Heavy snow for parts of the Brooks Range of Alaska.
- August 12-14: Flash flooding possible for parts of Arizona, Colorado, and New Mexico.



- Flooding likely along part of the Blackwater River in Missouri.
- Severe Drought across parts of the Great Plains, the middle Mississippi Valley, California, the Southwest, and Hawaii.

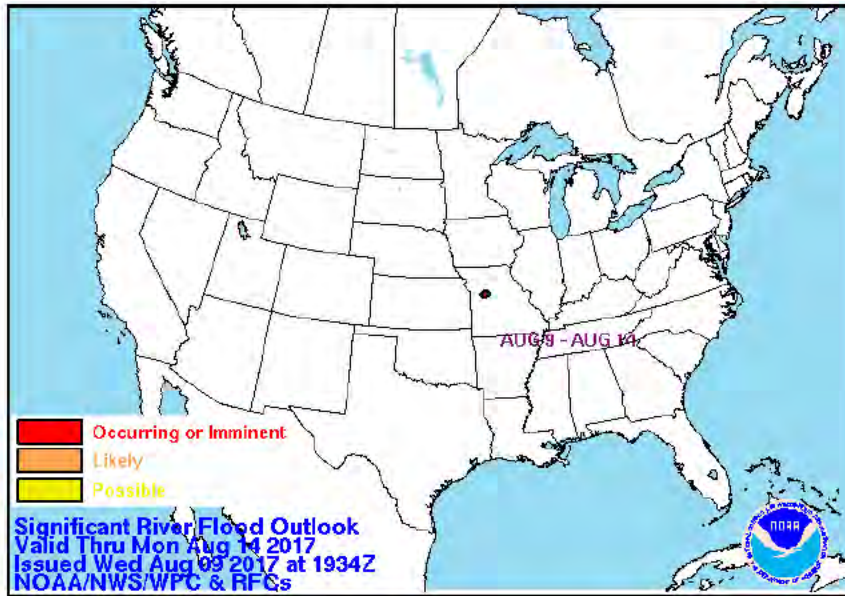


## Alaska Weather



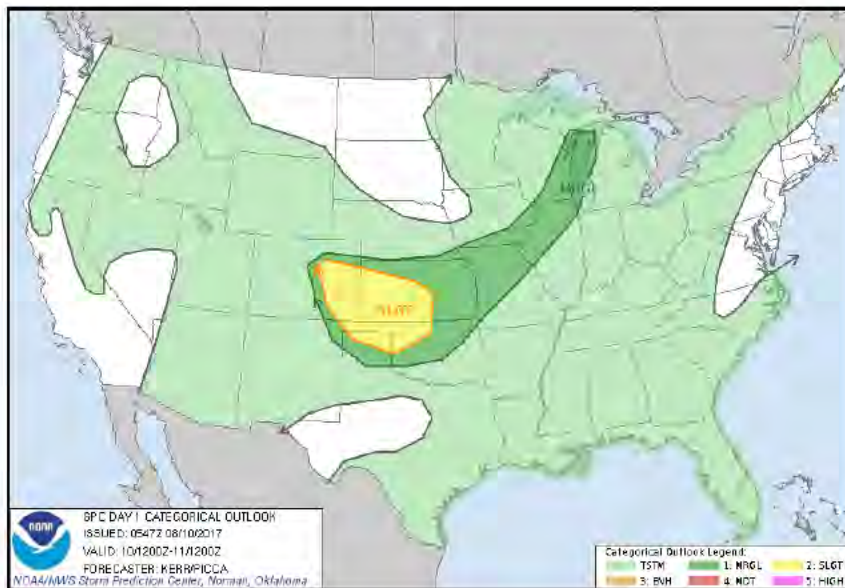
A Small Craft Advisory is in effect in portions of the western Gulf of Alaska, Bristol Bay, the Kuskokwim Delta and Etolin Strait, and from Dall Point to Point Franklin. A Special Weather Statement has been issued for high surf conditions along Alaska's northern coast, the Seward Peninsula, and across Brooks Range.

## Significant River Flooding



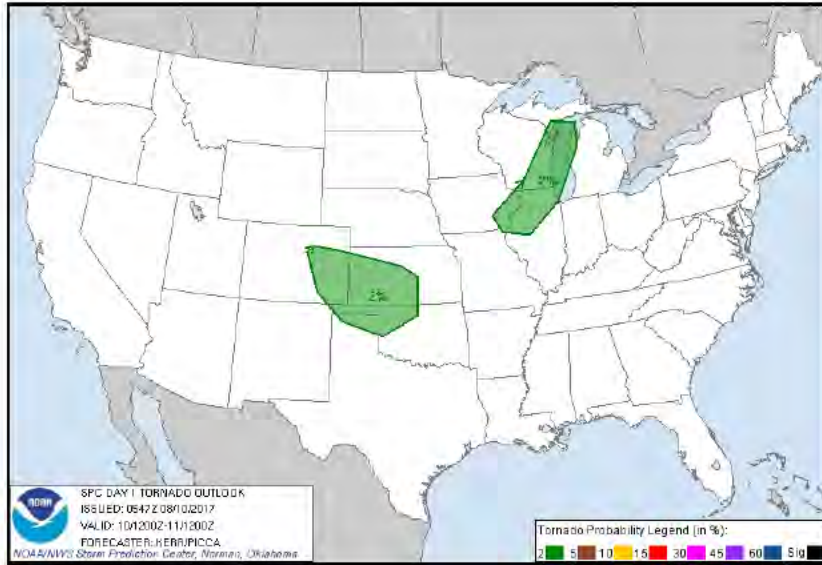
There is Significant River Flooding occurring today in portions of central Missouri.

## Severe Weather



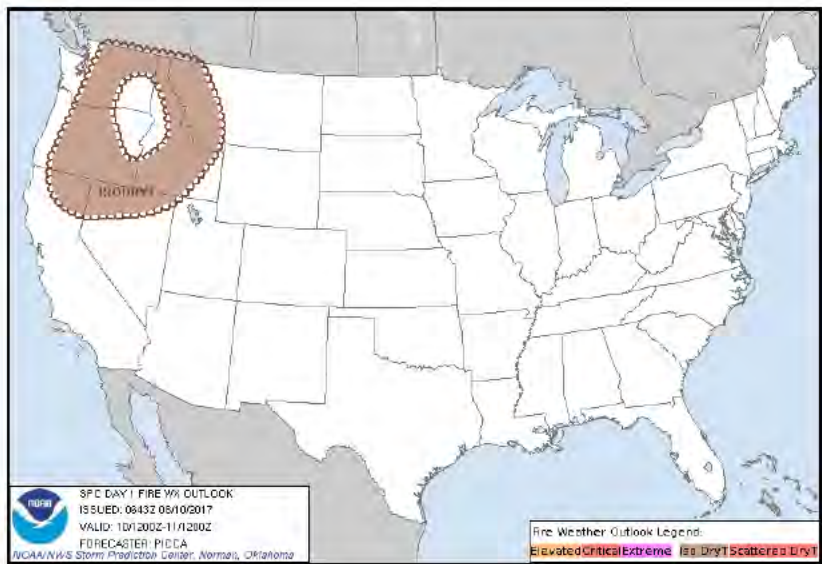
There is a Slight Risk of severe thunderstorm activity today across portions of the central High Plains. There is a Marginal Risk of severe thunderstorm activity across the surrounding areas of the central Plains and from the lower Missouri Valley into the upper Midwest.

## Tornado Weather



There is a 2-percent chance of tornado activity today across parts of the central High Plains and the upper Midwest.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northern Nevada, Oregon, Idaho, Washington, and the western Montana.

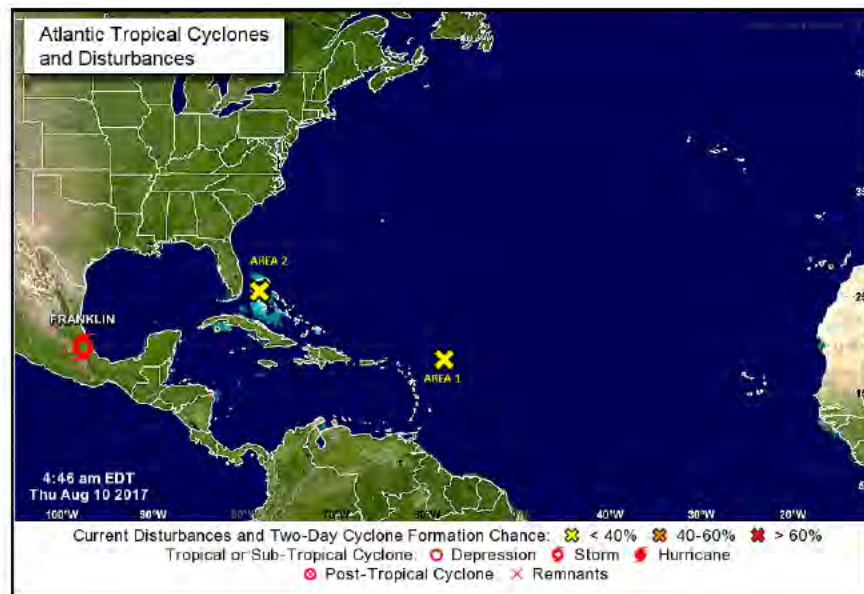
## **Tropical Weather Activity**

**Source:** National Weather Service/National Hurricane Center – August 10, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

**Area 1:** Showers and thunderstorms associated with a trough of low pressure located about 250 miles east-northeast of the northern Leeward Islands have become a little better organized overnight. The environment is forecast to become more conducive for development by this weekend, while the trough moves northwestward over the western Atlantic. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 2:** A trough of low pressure over the Bahamas and the Florida Straits continues to produce disorganized shower activity. Although development of this system appears unlikely, it could potentially bring areas of heavy rain to portions of the Bahamas and Florida during the next day or two. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.



### **Tropical Storm Franklin**

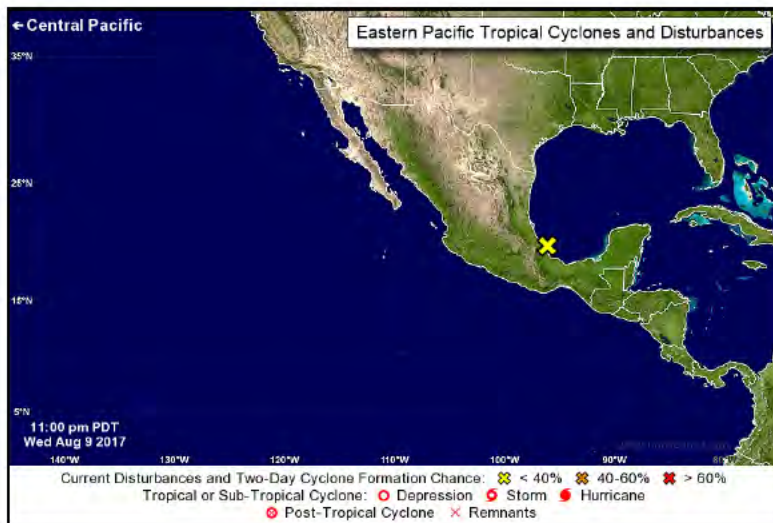
As of 5:00 a.m. EDT, Tropical Storm Franklin was located approximately 75 miles north of Tuxpan, Mexico, and moving west at 15 mph. This westward motion is expected to continue today as Franklin is projected to continue moving across eastern Mexico. Maximum sustained winds have increased to near 70 mph, with higher gusts. Rapid weakening is likely as Franklin continues and is expected to dissipate Thursday evening or Friday.

Although the Government of Mexico has discontinued the Hurricane Warning and the Hurricane Watch for the coast of eastern Mexico, a Tropical Storm Warning is in effect for the coast of Mexico from Cabo Rojo to Roca Partida. Franklin is not threatening U.S. interests at this time.



IGEMS Image

## Eastern Pacific Ocean



An area of low pressure is expected to form just off the west-central coast of Mexico late this week in association with the remnants of Franklin after it moves across southern Mexico. Some development of this system may occur this weekend before it moves west-northwestward into a hostile environment. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

**Distribution:**

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EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, August 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 11, 2017*

The **Dutch Mountain Fire** (Utah) reached 100-percent containment and will no longer be summarized in this report. The **Cinder Butte Fire** (Oregon) is being managed under a full suppression strategy again and has been added to today's report.

The National Multi-Agency Coordinating Group (NMAC) raised the National Fire Preparedness Level (PL) to its highest point, PL-5, effective at 6 p.m. EDT on August 10. The PL ranges from one, indicating minimal activity, to five, which signals very high activity. The raised preparedness level reflects a high degree of wildfire activity, a major commitment of fire resources, and the probability that severe conditions will continue for at least a few days.

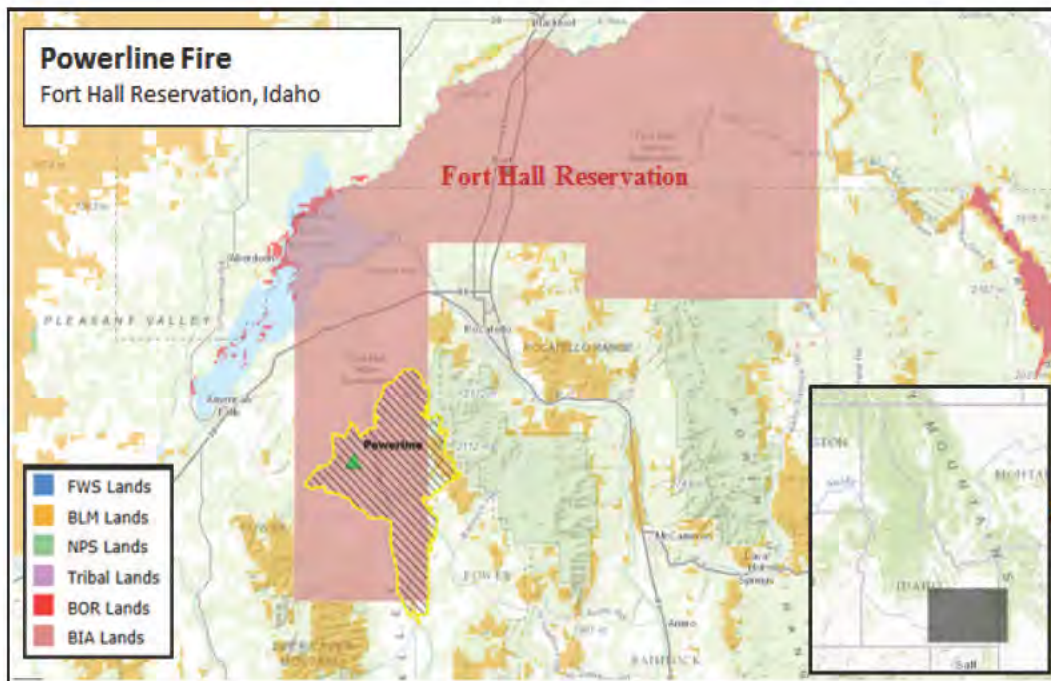
## Idaho

### **Powerline Fire**

- Start Date: August 4
- Location: Fort Hall Reservation, ID (BIA)
- Burned Acres: 55,787 (-1,364)
- Containment: 98-percent (+13)
- Management: Type-2 IMT

- Personnel Assigned / DOI: 360 (-104) / 127 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 20 (no change) / 0 (no change)
- Evacuations / Shelter in place: 150 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: August 11

Comments: Fire behavior was described as minimal during this reporting period with smoldering. Additional perimeter growth is not expected. Further risk to resources is minimal. Changes to acreage will continue to occur as better perimeter data is collected.



IGEMS Image

## Oregon

### **Spruce Lake Fire**

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 4,734 (+53)
- Containment: 31-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 383 (-1) / 17 (+2)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (no change) / 13 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)



- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with isolated torching and flanking. Fire spread is expected to continue to the east and to the northeast over the next couple of days. Thunderstorms that formed directly over the fire area prompted crews assigned to the fire to pull off the line for safety concerns. The forecast for the next 48 hours includes similar thunderstorm activity that has the potential to generate gusty and erratic winds. Several trails in the Crater Lake National Park are closed, including the Pacific Crest Trail. The Park's West Rim Road remains closed from Munson Valley Road to North Junction, a Level 1 evacuation notice has been issued for the Visitor's Center at Rim Village, the Park Headquarters informing visitors and staff to "be ready" for a potential evacuation. Northern spotted owl habitat, sensitive aquatic species, U.S. Forest Service timber sale groves, recreation sites, and other sensitive plant and animal species continue to be threatened by the fire.

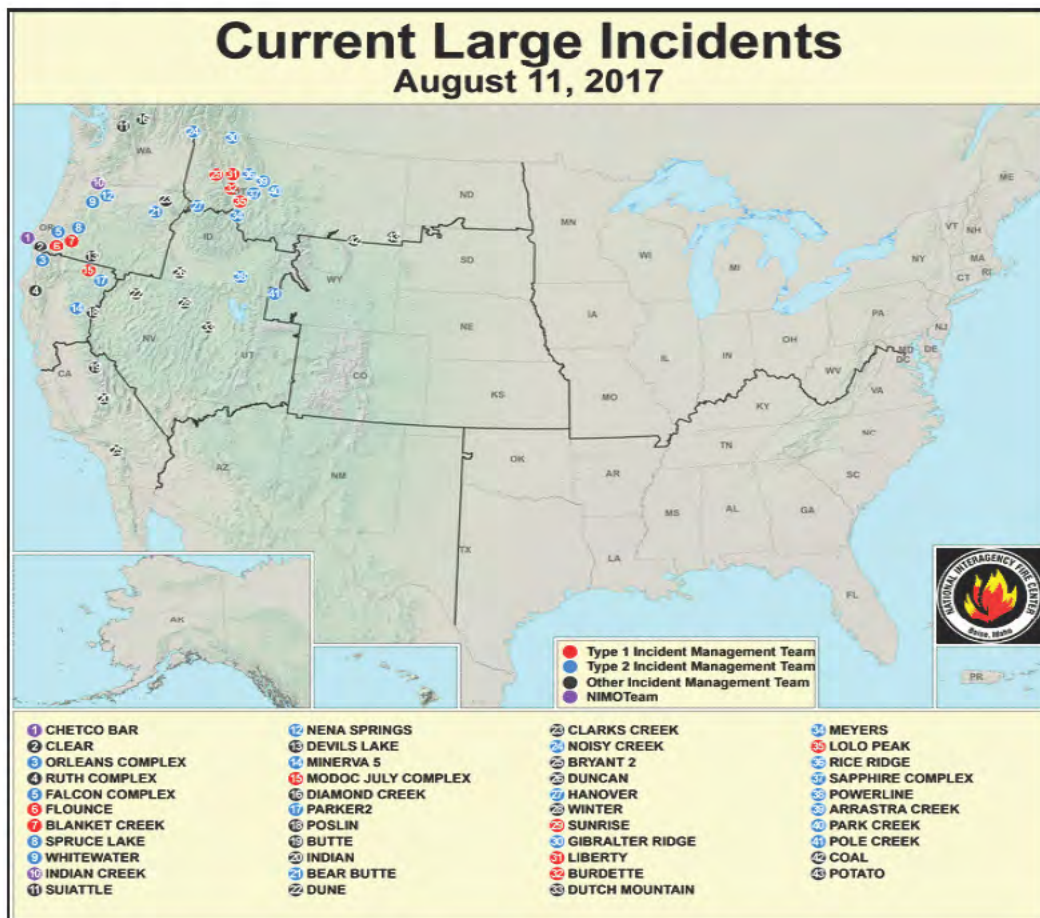


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Lodgepole Complex	Garfield, MT	BLM	4	270,743	98%	August 7
Nena Springs	Wasco, OR	BIA	3	24,000	4%	August 15
Cinder Butte	Lake, OR	BLM	3	52,465	90%	August 12

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 11, 2017

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (130 new fires)
New large fires:	10
Large fires contained:	2
Uncontained large fires: **	22
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	8
Type 2 IMTs committed:	18

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslof Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Elevated surface temperatures in the summit crater were observed in satellite data. Web camera images were obscured by clouds. No significant activity was observed in seismic and infrasound data from the volcano.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The lava lake at Halema‘uma‘u continues to circulate and spatter, and the lava lake surface level continues to fluctuate. Summit tiltmeters that recorded inflationary tilt on Wednesday have reversed to a deflationary trend. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in seismic activity across the volcano.

## **Earthquake Activity**

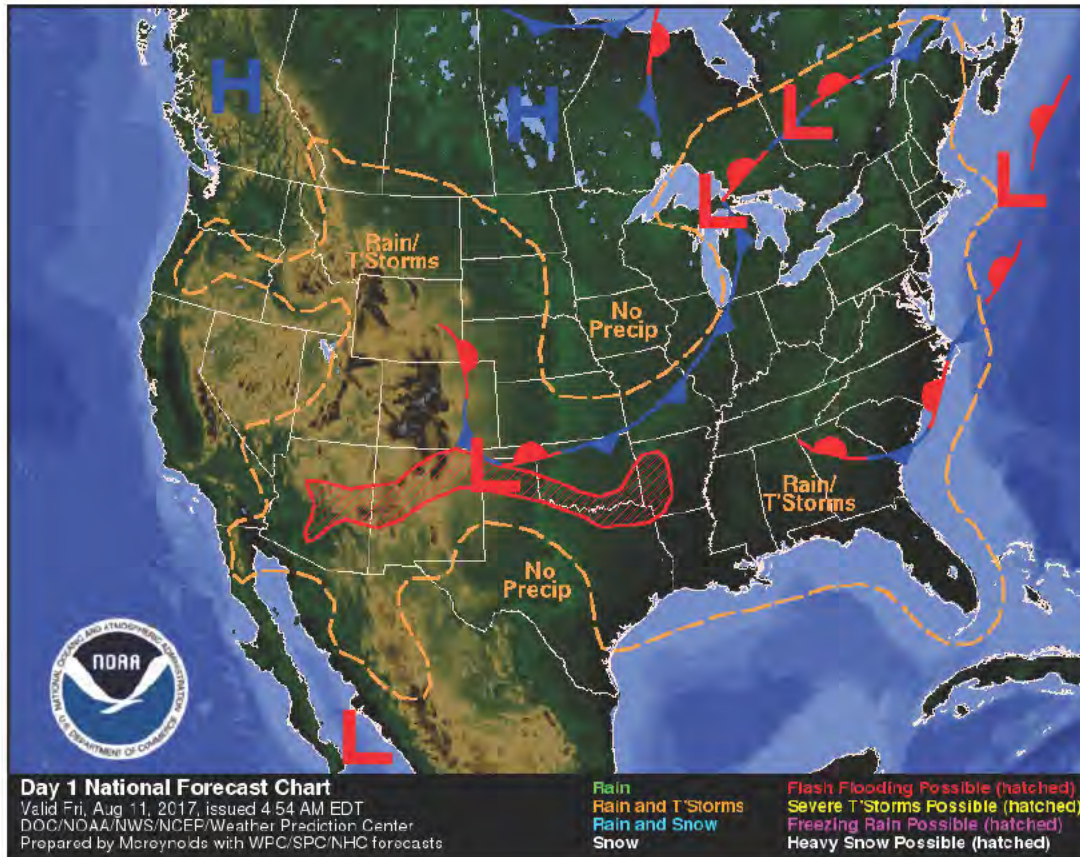
*Source: U.S. Geological Survey – August 11, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.2 earthquake occurred this morning at 1:28 a.m. EDT, approximately 1.6 miles to the northwest of Putol, Philippines, at a depth of 104 miles. A Green PAGER Alert was issued indicating a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 4.6 earthquake occurred yesterday at 4:59 p.m. EDT, approximately 87.2 miles to the west-southwest of Pistol River, Oregon, at a depth of 14 miles. There was no USGS PAGER Alert issued, and no tsunami threat for this event.

### ***Significant National Weather***

*Source: National Weather Service - August 11, 2017*



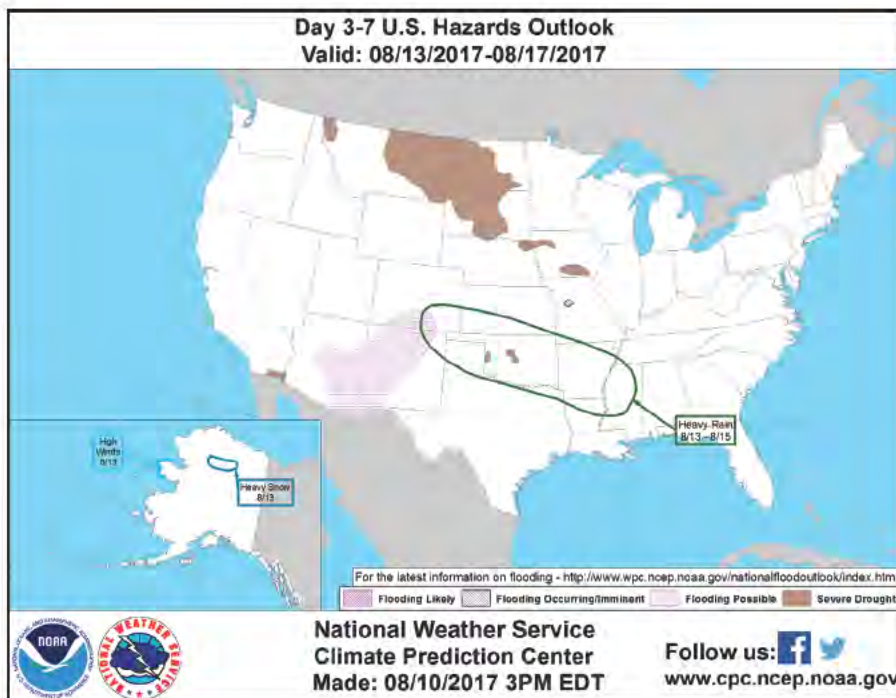
### **Today**

A low pressure system centered over the Great Lakes and an associated cold front stretching across the Mississippi Valley will bring a chance of rain and thunderstorms to the eastern third of the U.S. There is a threat of severe weather from these thunderstorms across the eastern Great Lakes, the Ohio Valley, and the northern mid-Atlantic. On the southern end of this system, a separate low pressure center will draw moisture from the monsoonal flow and trigger the threat of severe weather over the northern panhandle of Texas and northeastern New Mexico. Flash flooding is possible as well from the monsoon precipitation for portions of the southern Plains, central New Mexico, and central Arizona. The monsoonal flow will also bring the chance of rain and thunderstorms to much of the Rockies and Intermountain West. An Air Quality Alert is in effect across much of the Northwest. A Heat Advisory is in place today across southeastern Washington, where high temperatures will be 100-105 degrees. A Heat Advisory is also in effect today for southeastern Texas. Heat index values will range between 105 degrees and 110 degrees across this region this afternoon.

## Tomorrow

A low pressure system will push east through the Great Lakes with an associated cold front trailing across the Appalachians. This system will allow the chance of rain and thunderstorms to remain in place for the Northeast, the mid-Atlantic, the Southeast, and the Gulf Coast. The flash flooding threat will continue across much of the southern Plains. Active weather is expected in the form of severe weather for portions of the central and northern Plains. Flash flooding is possible for portions of these regions as well. Monsoon precipitation will continue across the Rockies. A storm system over the Pacific will approach the Pacific Northwest and bring the chance of rain and thunderstorms to this region.

## Weather Hazard Assessment



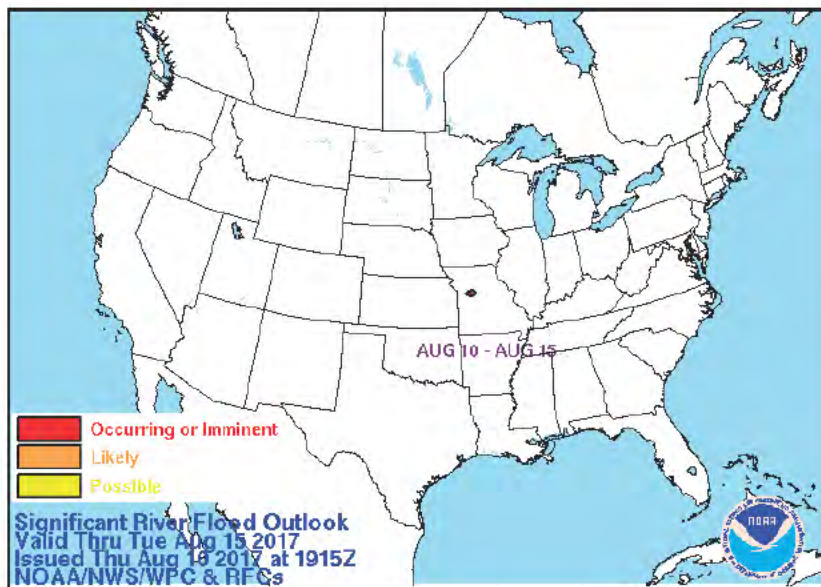
- August 11: Flooding likely along part of the Blackwater River in Missouri.
- August 11: Severe Drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, Arizona, California, and Hawaii.
- August 13: Heavy snow for the higher elevations of the Brooks Range of Alaska.
- August 13: High winds along coastal areas of Alaska bordering the southern Chukchi Sea and the northern Bering Sea.
- August 13-14: Flash flooding possible for parts of Arizona, Colorado, and New Mexico.
- August 13-15: Heavy rain for the central and southern Great Plains and lower Mississippi Valley.

## Alaska Weather



A Small Craft Advisory is in effect in portions of the central and eastern Gulf of Alaska, from Port Heiden to Cape Sarichef, the Bristol Bay, the Kuskokwim Delta, the Etolin Strait, the St. Matthew Island waters, the Norton Sound, and from Wales to Flaxman Island. A Gale Warning is in effect for Nunivak Island, and from Dall Point to Wales. A High Surf Advisory is in effect for St. Lawrence Island and along the western coast from Wales to Point Hope. A Special Weather Statement has been issued for high surf conditions along Alaska's northern coast, the Seward Peninsula, and across the Brooks Range. An additional Special Weather Statement for cool and wet weather for south-central Alaska has been issued through August 13.

## Significant River Flooding



Significant River Flooding is occurring today in portions of central Missouri.

## Severe Weather

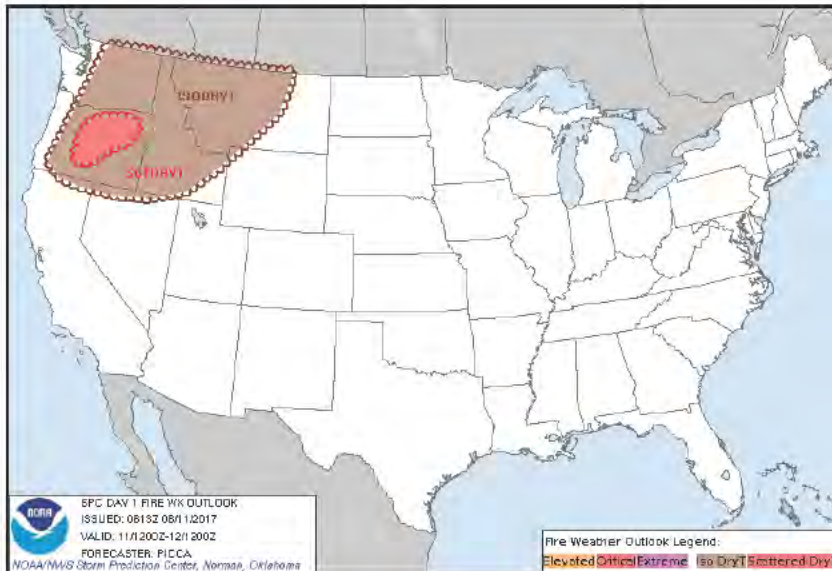


There is a Marginal Risk of severe thunderstorm activity today from the Ohio Valley through the mid-Atlantic, the lower Great Lakes, and the Northeast. Additionally, a Marginal Risk is also forecast in parts of the southern and northern High Plains.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are forecast for portions of northern California, northern Nevada, Oregon, Idaho, Washington, and Montana. Scattered Dry Thunderstorms are forecast for portions of Oregon.

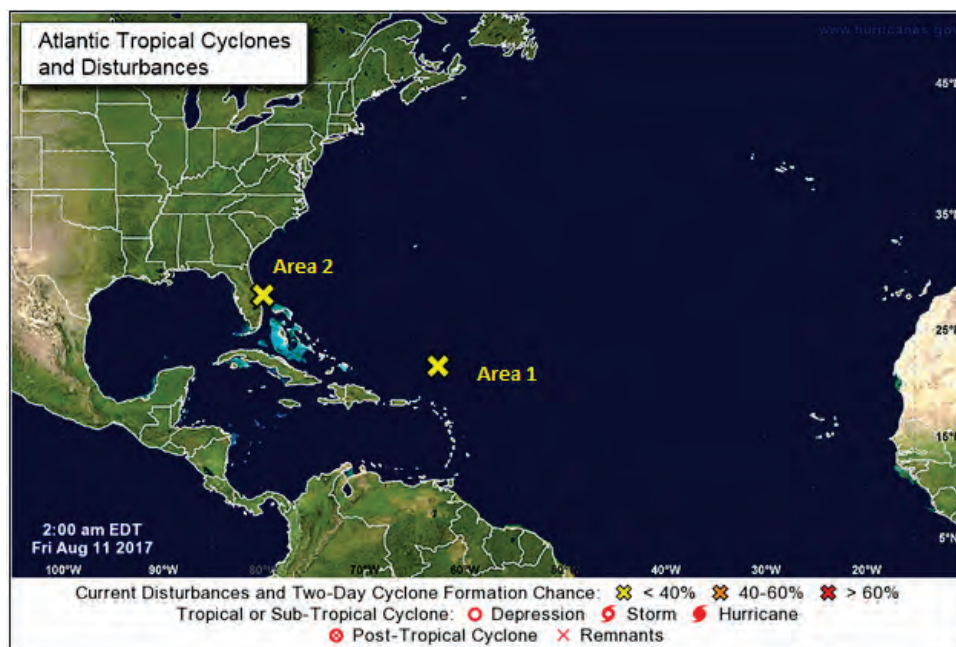
## **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – August 11, 2017*

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

**Area 1:** An area of disturbed weather centered a couple of hundred miles north of the northern Leeward Islands is associated with a broad trough of low pressure. While upper-level winds are forecast to become more favorable for development by this weekend, dry air aloft could limit the system's thunderstorm activity, making the overall environment only marginally conducive. The trough is expected to move northwestward today, then northward over the weekend across the western Atlantic Ocean. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

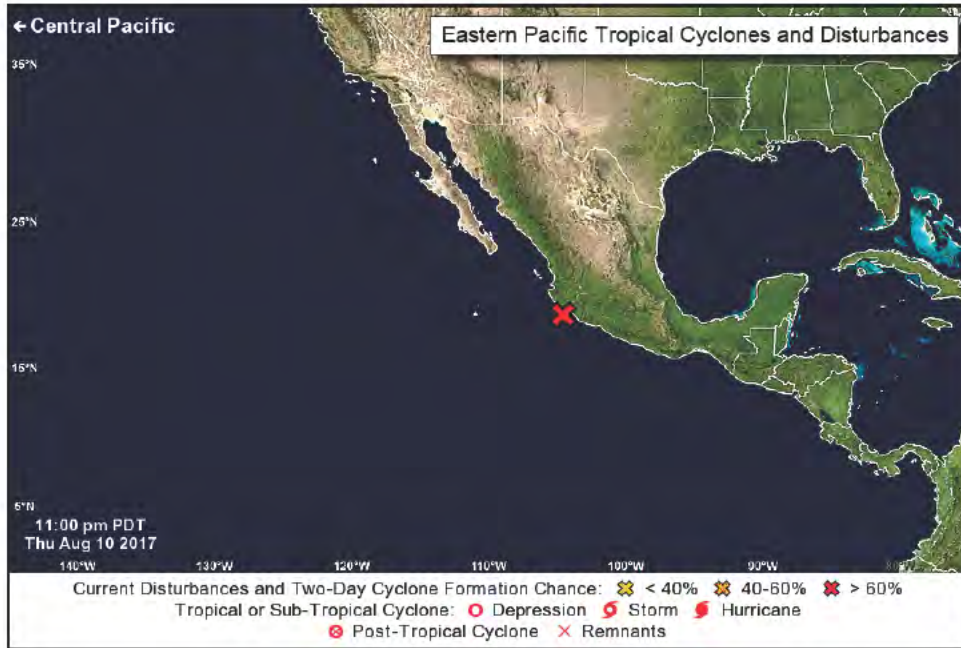
**Area 2:** A weak and elongated area of low pressure is centered just northeast of Cape Canaveral, Florida. This low is accompanied by disorganized showers and thunderstorms extending from southern Florida northeastward across the southwestern Atlantic. Significant development is not anticipated, but this system could bring locally heavy rains to portions of the Florida peninsula as it moves northwestward and northward during the next day or two. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.



### **Eastern Pacific Ocean**

Satellite images indicate strong thunderstorms are occurring just offshore of the west coast of Mexico, in association with a surface trough and the remnants of Franklin. Environmental conditions are forecast to be favorable for development, and the system is likely to become a tropical cyclone on Friday or Saturday, before it moves over colder waters on Sunday. This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

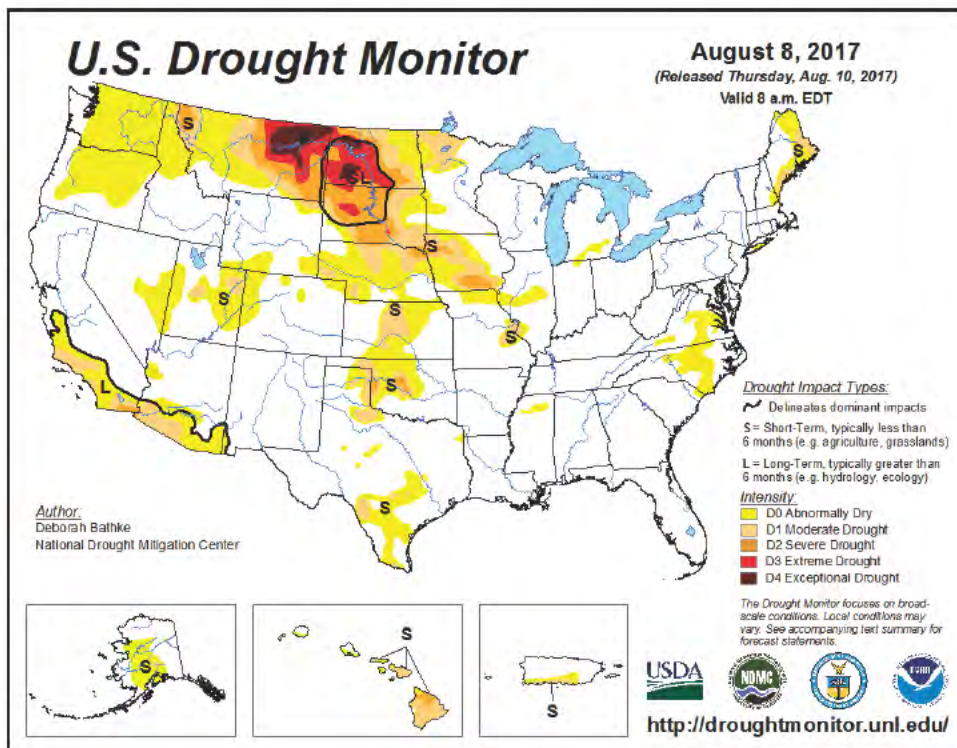




## Other News and Notes

### U.S. Drought Monitor

Source: National Drought Mitigation Center - August 10, 2017



This week was marked by torrential rains and flooding in cities such as New Orleans, Houston, Kansas City, and Las Vegas. Heavy rainfall over the Gulf Coast and into the mid-South kept drought conditions at bay, while scattered showers and thunderstorms over the southern Rockies erased pockets of abnormally dry conditions. In the drought-afflicted Plains, rains brought relief to a few areas, slowed deterioration in others, and had minimal impact on areas suffering from long-term impacts. Once again, rain bypassed the Pacific Northwest, where record-breaking high temperatures and the prolonged dry spell deteriorated drought conditions.

**Fake Social Media Message about North Korea Missile Attack Addressed by the Governor of Guam**

*Source: Guam, Office of the Governor - August 11, 2017*

A message posted to Guam social media sites that a commanding officer briefed military personnel on an imminent North Korea missile attack has been refuted by the Governor's Office. The Mariana Regional Fusion Center and the U.S. Navy vetted the message. Guam's Governor Calvo added, "Unfortunately, we have seen our share of false messages like these that do nothing but stir fear in the hearts and minds of our people, we are sharing all information that we have with you because this community understands that preparation is key to being safe, and your safety is paramount to this administration."

The Guam Civil Defense Joint Information Center has added additional posts and "Fact Sheets" to help the citizenry stay prepared. This information can be found [HERE](#).

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, August 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 14, 2017*

The **Powerline Fire** (Idaho) and the **Lodgepole Complex Fire** (Montana) reached 100-percent containment and will no longer be summarized in this report. The Incident Status Summary (ICS-209) for the **Cinder Butte Fire** (Oregon) was not updated yesterday, and full containment was expected on Saturday. Therefore, additional reporting on the **Cinder Butte Fire** will not occur.

## Oregon

### **Nena Springs Fire**

- Start Date: August 8
- Location: Warm Springs Reservation, OR (BIA)
- Burned Acres: 40,000 (+16,000)
- Containment: 60-percent (+56)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 444 (+204) / 92 (-5)
- Structures Threatened-Single-Mixed Residential / Commercial: 141 (no change) / 2 (no change)
- Evacuations / Shelter in place: 75 (no change) / 120 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+2) / 0 (no change)
- Containment Date: August 16

Comments: Fire behavior was described as minimal during this reporting period, and additional perimeter spread is not expected over the next several days. Considering the current fire behavior, the threat to the public and response personnel is minimal at this time. Six residences have been destroyed by the fire, and road and trail closures remain in effect.



IGEMS Image

### Spruce Lake Fire

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 4,885 (+151)
- Containment: 45-percent (+14)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 401 (+18) / 37 (+20)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (no change) / 13 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as minimal during this reporting period with creeping and smoldering. Some additional perimeter spread to the north and east is possible over the next couple of days. Cooler temperatures and recent precipitation have slowed fire activity in the western portions of the fire. As a result, the park was able to reopen West Rim Drive on August

11, from Rim Village to North Junction. The Rim Trail from Rim Village to North Junction has also reopened. The Level 1 Evacuation Notice for Rim Village and park headquarters has been lifted. The most recent ICS-209 indicates that the fire will be placed a complex in the near future.



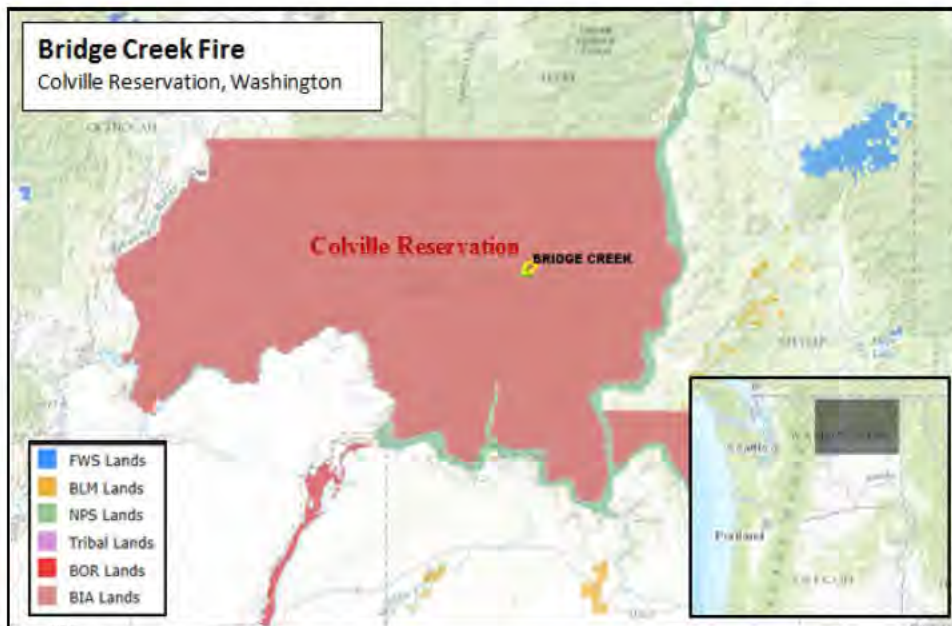
IGEMS Image

## Washington

### **Bridge Creek Fire (Initial)**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 1,118
- Containment: 13-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 313 / 82
- Structures Threatened-Single-Mixed Residential / Commercial: 0 / 0
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: August 31

Comments: Fire behavior was described as active during this reporting period with uphill runs, short-range spotting, and torching. Additional perimeter spread is likely over the next 48 hours due to increasing temperatures and drier fuels. The fire is threatening cultural and natural resources, a critical transportation corridor, and recreation areas. The fire also has the potential to impact the Colville Tribe local government. Resource availability is an operational challenge and the steep, rocky terrain is hindering direct attack.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
East Saddle	Grant, WA	FWS	3	17,000	41%	August 15

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 14, 2017

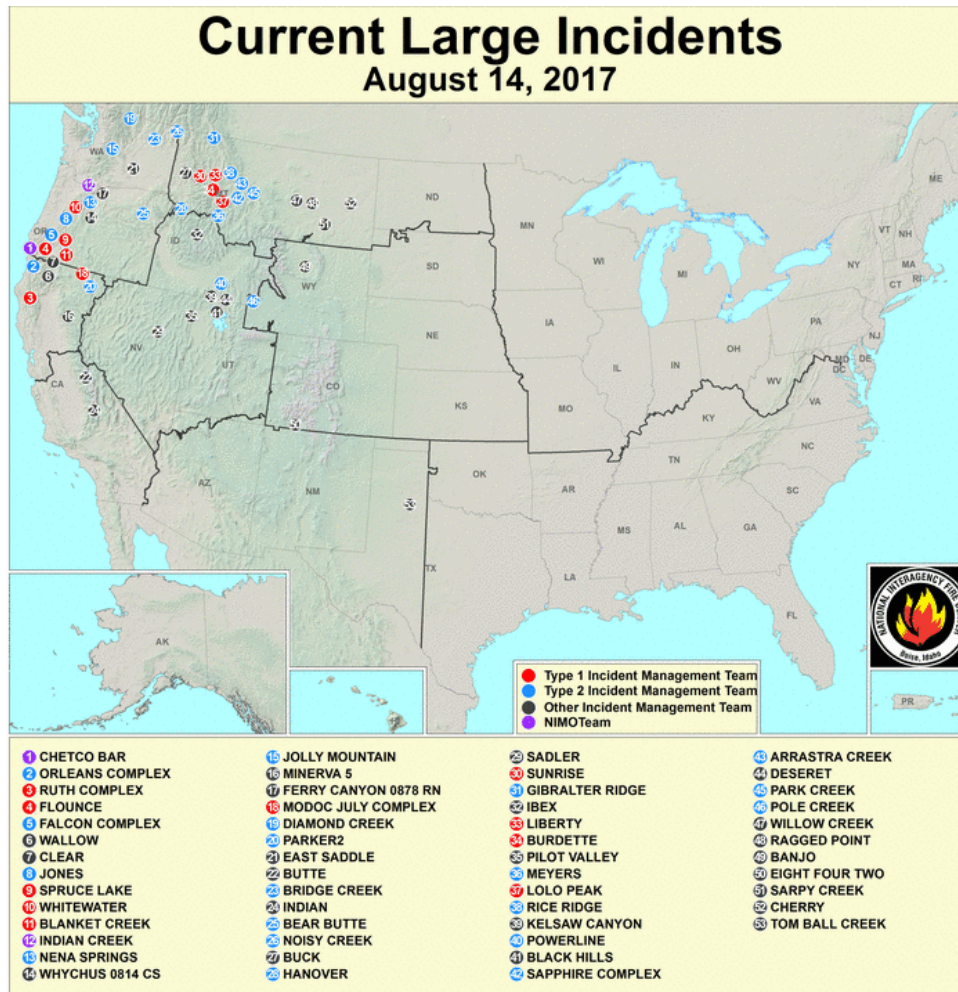
#### National Preparedness Level 5

#### National Fire Activity

Initial attack activity:	Light (119 new fires)
New large fires:	8
Large fires contained:	5
Uncontained large fires: **	32
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	10
Type 2 IMTs committed:	17

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 13, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslof Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor volcanic activity with satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and slightly elevated surface temperatures were observed in satellite images on Sunday morning. A small plume was observed extending from the summit in web camera images, but no significant activity was observed in seismic and infrasound data from the volcano. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 13, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey – August 13, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.4 earthquake occurred on August 12 at 11:08 p.m. EDT, approximately 45 miles to the west of Bengkulu, Indonesia at a depth of 22 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. No tsunami was generated.

## **Significant National Weather**

*Source: National Weather Service - August 14, 2017*

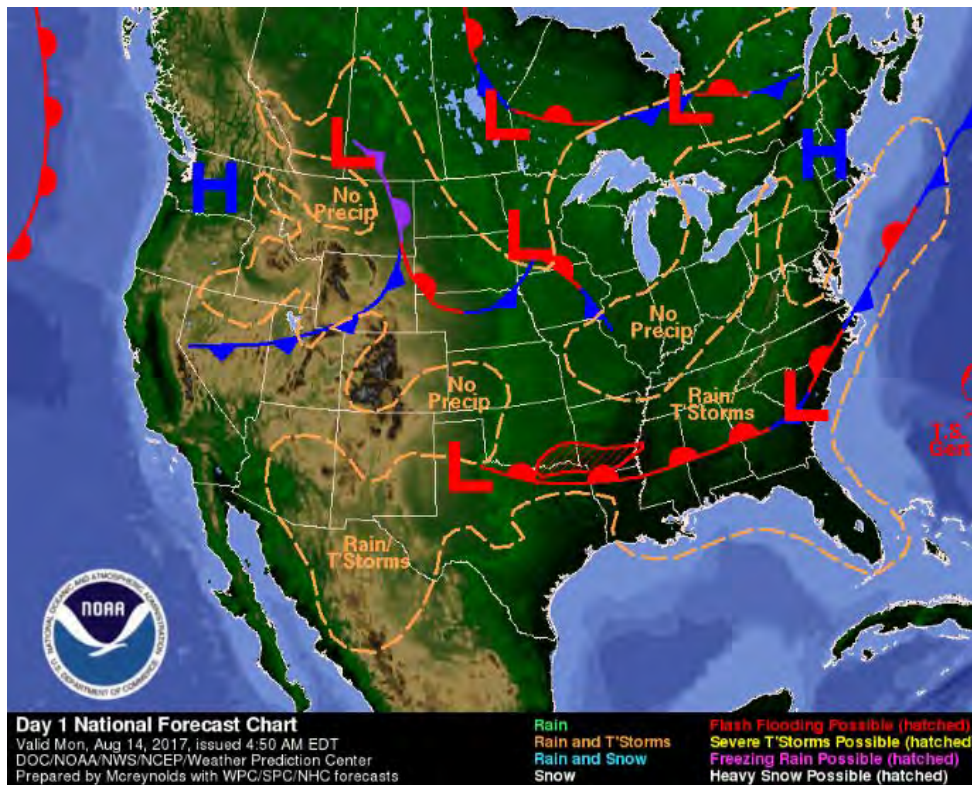
## **Today**

Widespread rain and thunderstorm activity is expected across the western Great Lakes, the upper Midwest, the Great Plains, portions of the southwest Plains, and the southern Four Corners area. Heavy rain will be concentrated near the common boundaries of Arkansas, Texas, and Louisiana, where there will be the possibility of flash flooding. More rain and thunderstorms will be found across the central and northern Rockies. Scattered thunderstorms are expected to develop across the High Plains this afternoon and evening, with the greatest potential for a few severe storms in vicinity of the Black Hills area.



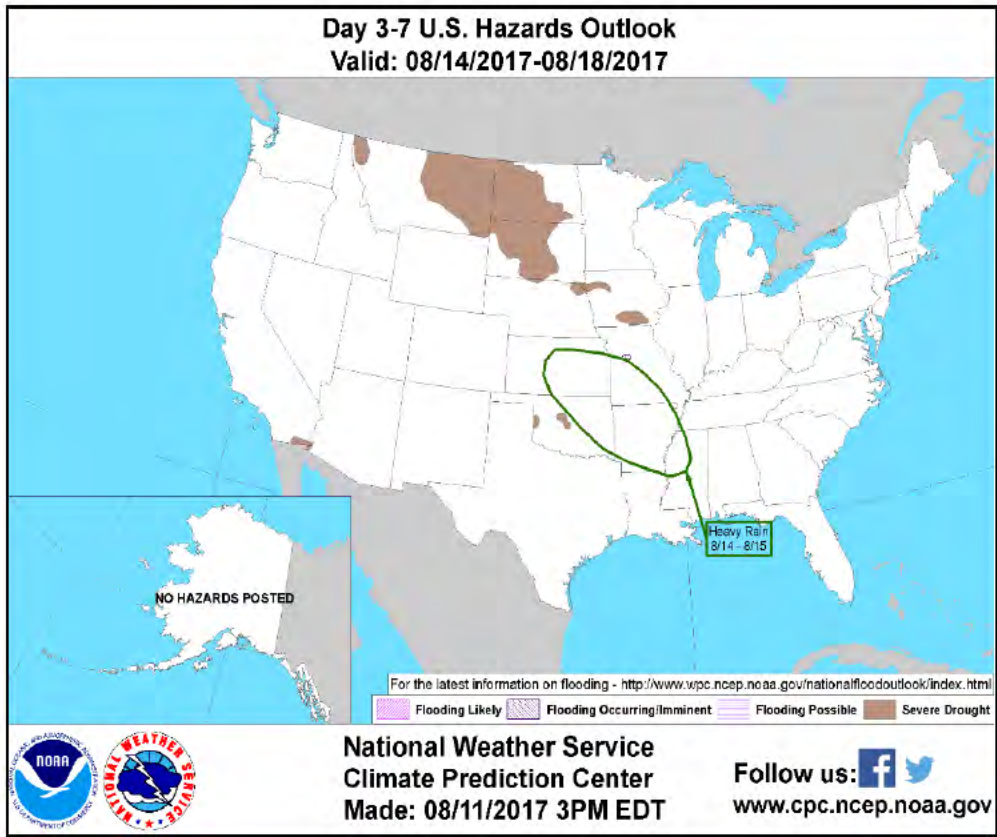
## Tomorrow

There is a marginal risk of severe thunderstorms for portions of the Northeast. More scattered showers and thunderstorms are expected for portions of the mid-Atlantic, the Southeast, and the Deep South. Widespread rain and thunderstorms will develop along the Mississippi Valley, the Great Plains, and the central Rockies. Thunderstorms, some potentially severe, are expected to develop across the central High Plains.

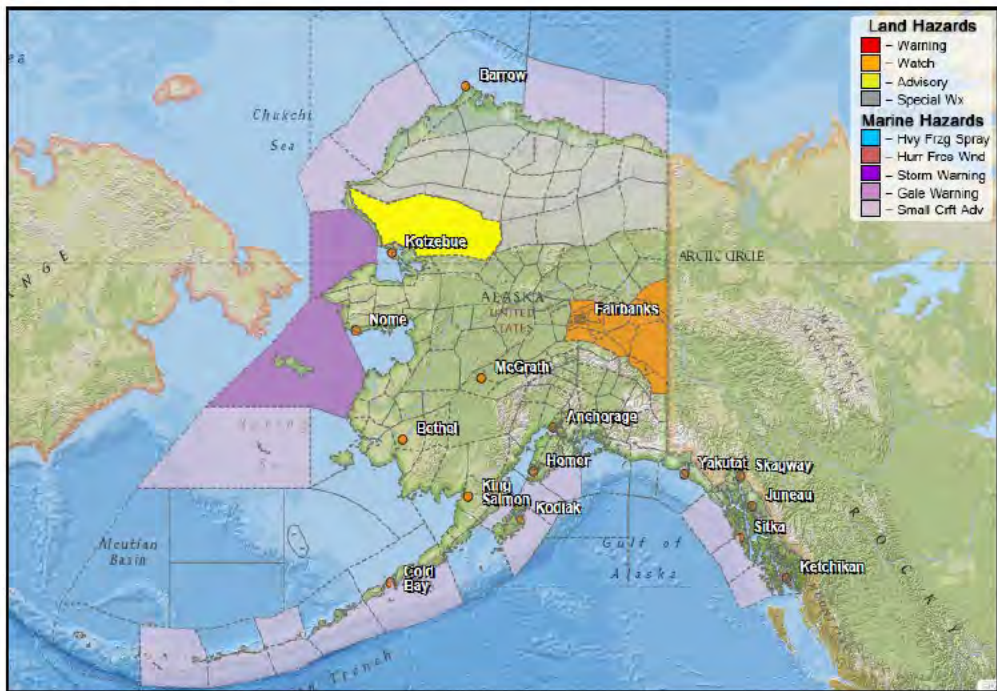


## Weather Hazard Assessment

- August 14: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, Arizona, California, and Hawaii.
- August 14-15: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- August 19-24: Slight risk of much above normal temperatures for portions of the southern Plains.



### Alaska Weather



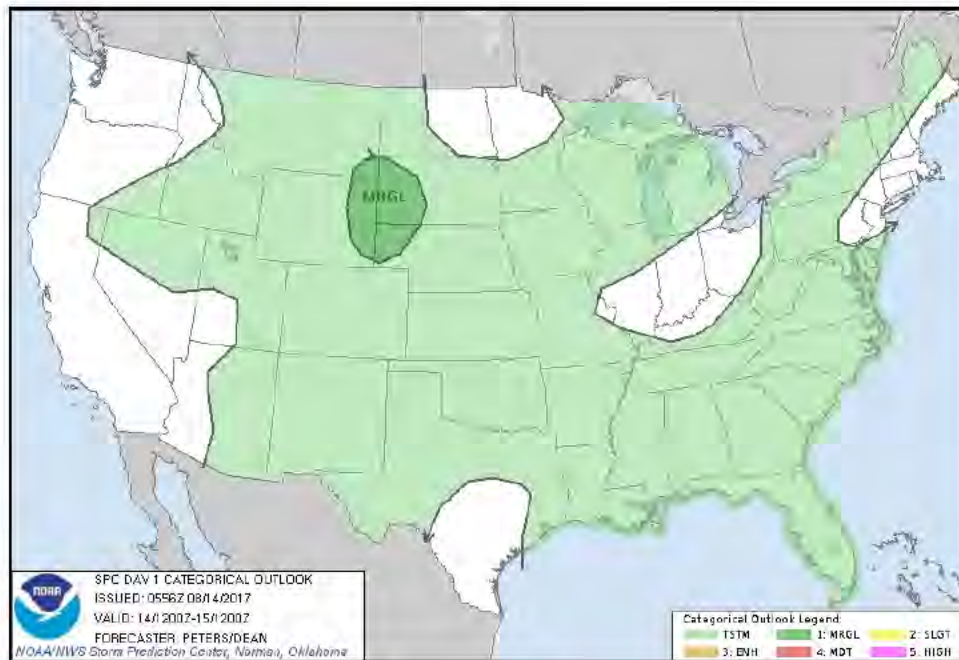
A Small Craft Advisory is in effect for portions of the eastern and western Gulf of Alaska, the Shelikof Strait, the Aleutian Islands, St. Matthew Island, and much of Alaska's northern coast.

A Gale Warning is in effect for St. Lawrence Island and from Dall Point to Cape Thompson. A Flood Watch is in effect around Fairbanks in eastern Alaska, and a Flood Advisory is in effect in the Kobuk and Noatak valleys. A Special Weather Statement has been issued for snowfall across the central and western Brooks Range and heavy rainfall from Iniakuk Lake to Coleen River.

### Significant River Flooding

Significant River Flooding is not expected across the U.S. during the next 5 days.

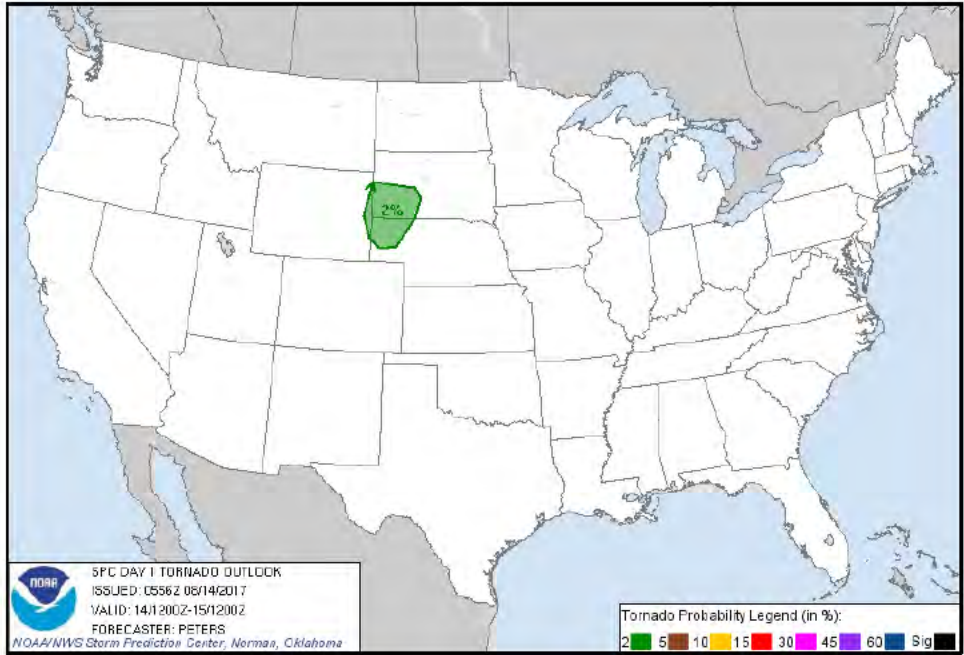
### Severe Weather



There is a Marginal Risk of severe thunderstorm activity today across eastern Wyoming, southeastern Montana, western South Dakota, and the Nebraska Panhandle.

### Tornado Weather

There is a 2-percent chance of tornado activity today across portions of western Nebraska, southwestern South Dakota, and eastern Wyoming.



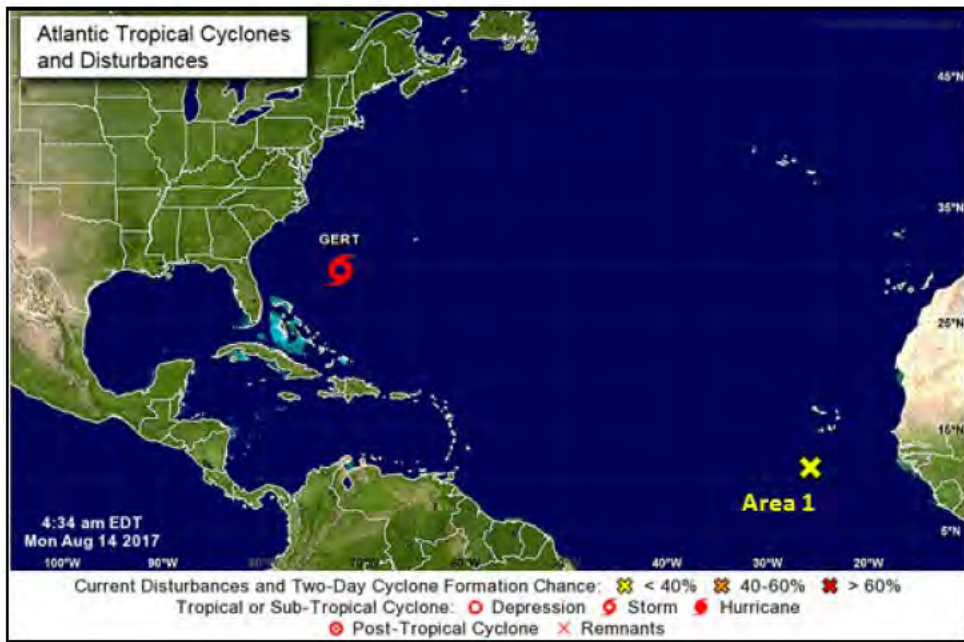
**Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

**Tropical Weather Activity**

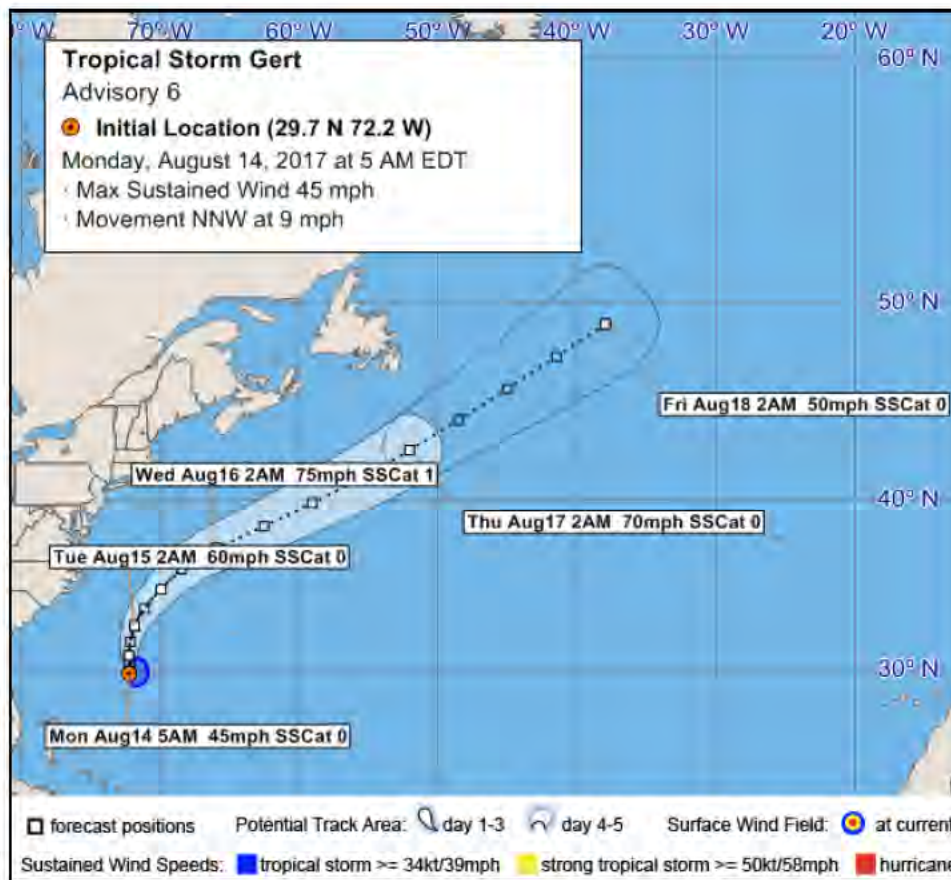
Source: National Weather Service/National Hurricane Center – August 14, 2017

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Area 1:** A large and complex area of disturbed weather to the south and southwest of the Cabo Verde Islands, is associated with a broad trough of low pressure and a tropical wave. These systems are forecast to merge during the next day or two, and environmental conditions are then expected to be conducive for development of this disturbance later this week while it moves westward at about 15 miles per hour (mph) over the Atlantic Ocean. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

### Tropical Storm Gert



HURREVAC Image

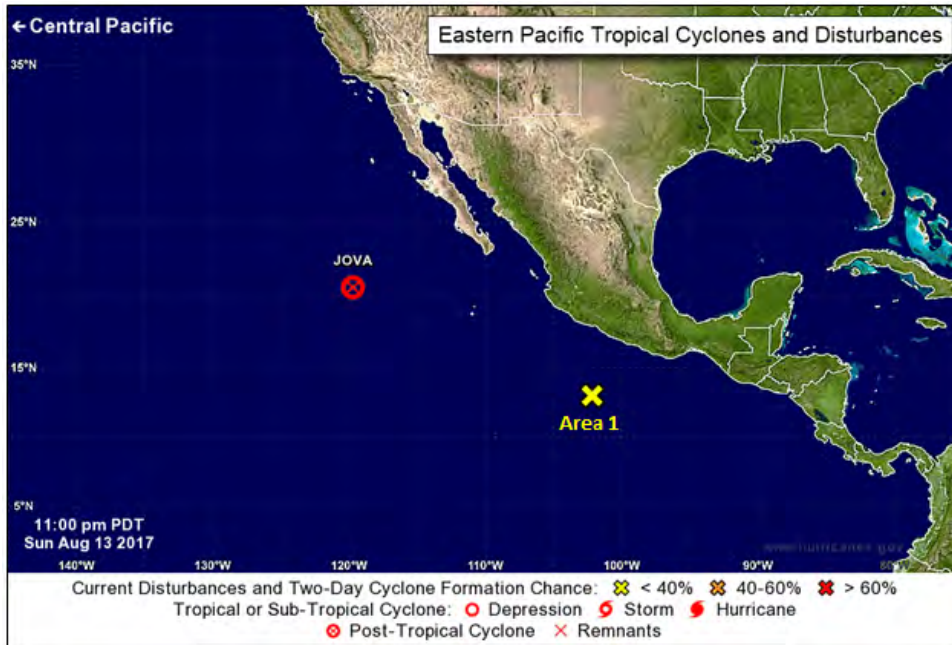
As of 5:00 a.m. EDT, Tropical Storm Gert was located approximately 475 miles west-southwest of Bermuda, and moving toward the north-northwest 9 mph. A northwestward motion is expected during the next couple of days, which will keep Gert off the coast of the U.S. Maximum sustained winds are near 45 mph, with higher gusts. Some strengthening is forecast during the next 48 hours and Gert could become a hurricane by Wednesday. There are no coastal watches or warning in effect.

### Eastern Pacific Ocean

**Area 1:** An area of disorganized showers and thunderstorms is located a few hundred miles south-southwest of Acapulco, Mexico. Environmental conditions are forecast to be only marginally conducive for a tropical depression to form later this week while the system moves

slowly westward to west-northwestward. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

**Post-Tropical Cyclone Jova:** On August 13, Jova weakened into a remnant low, and the National Hurricane Center issued their last advisory for the system. As of 11:00 p.m. EDT on August 13, Jova was located approximately 650 miles to the west-southwest of the southern tip of Baja California, Mexico, and moving to the west at 14 mph. Maximum sustained winds were 30 mph, and the remnant low is expected to continue to weaken over the next several days. This will be the final report for Jova.



### Other News and Notes

#### **Emergency Declaration - Charlottesville, Virginia**

Source: *City of Charlottesville, Virginia State Police, Virginia Office of the Governor, and Media Sources – August 12-13, 2017*

On Saturday August 12, a rally/protest scheduled at Emancipation Park in Charlottesville, Virginia became violent. In response to the increased threat level and potential for continued unrest, the Governor of the Commonwealth of Virginia declared a State of Emergency. The Virginia State Emergency Operations Center (SEOC), the Virginia Emergency Support Team (VEST), and other emergency response teams were activated to support local law enforcement. Multiple injuries occurred throughout the day, and one woman was killed when a vehicle was driven into a crowd of people. Two Virginia State Troopers were also killed when their helicopter crashed. On August 13, the Virginia SEOC transitioned back to an Increased Readiness / Monitoring (Level II) status.

***\*End of Report\****

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, August 15, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 15, 2017*

The **Spruce Lake Fire** (Oregon) has been included in the High Cascades Complex Fire and is now under U.S. Forest Service management; therefore, it will no longer be summarized in this report.

## Oregon

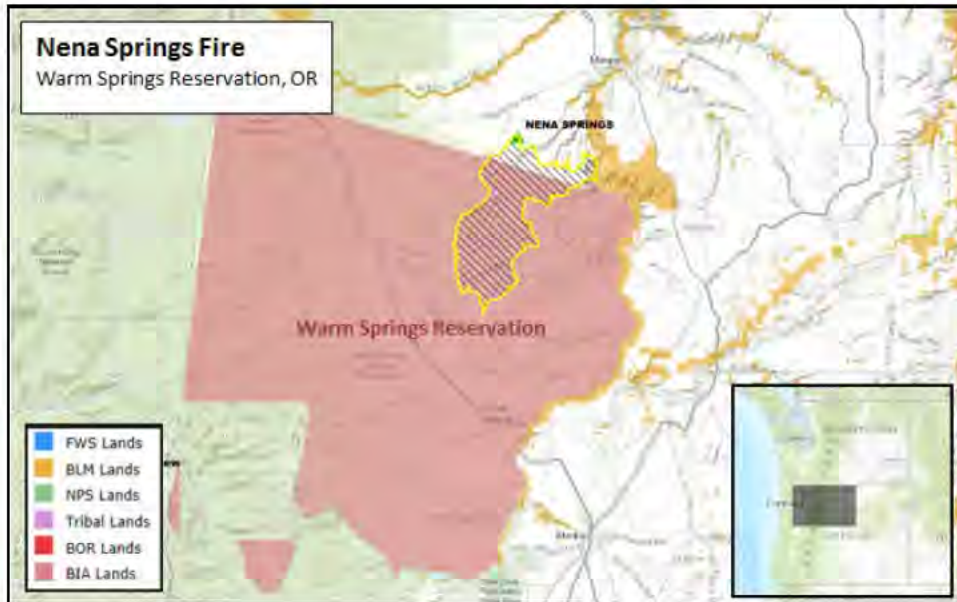
### **Nena Springs Fire**

- Start Date: August 8
- Location: Warm Springs Reservation, OR (BIA)
- Burned Acres: 40,000 (no change)
- Containment: 80-percent (+20)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 422 (-22) / 84 (-8)
- Structures Threatened-Single-Mixed Residential / Commercial: 141 (no change) / 2 (no change)
- Evacuations / Shelter in place: 75 (no change) / 120 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)



- Containment Date: August 16

Comments: Fire behavior was described as minimal during this reporting period with minimal potential for escape. Considering the current fire behavior, the threat to the public and response personnel is minimal at this time. There is very minimal threat to residences both on private land and the reservation.



IGEMS Image

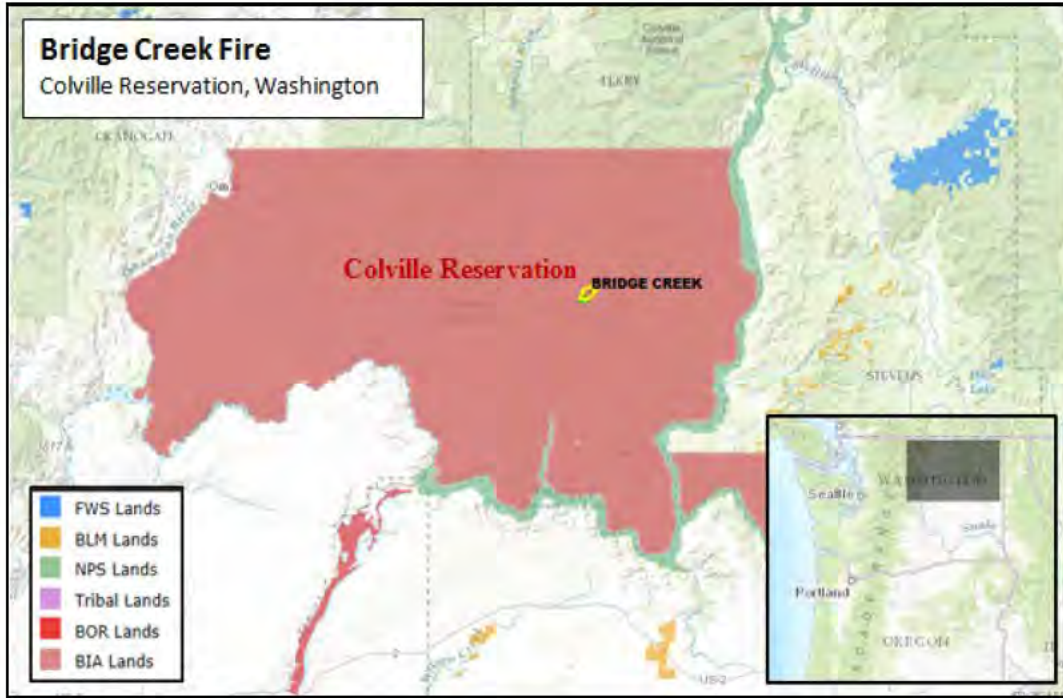
## Washington

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 1,150 (+32)
- Containment: 18-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 336 (+23) / 93 (+11)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as active during this reporting period with backing, flanking, and group torching. The fire threatens cultural and natural resources and continues to spread to the northeast and northwest. The fire also has the potential to impact the Colville Tribe

local government. Resource availability is an operational challenge and the steep, rocky terrain is hindering direct attack.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Empire	Mariposa, CA	NPS	3	1,320	0%	October 31
South Fork	Mariposa, CA	NPS	3	1,500	0%	September 3
East Saddle	Grant, WA	FWS	3	17,465	80%	August 15

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 15, 2017

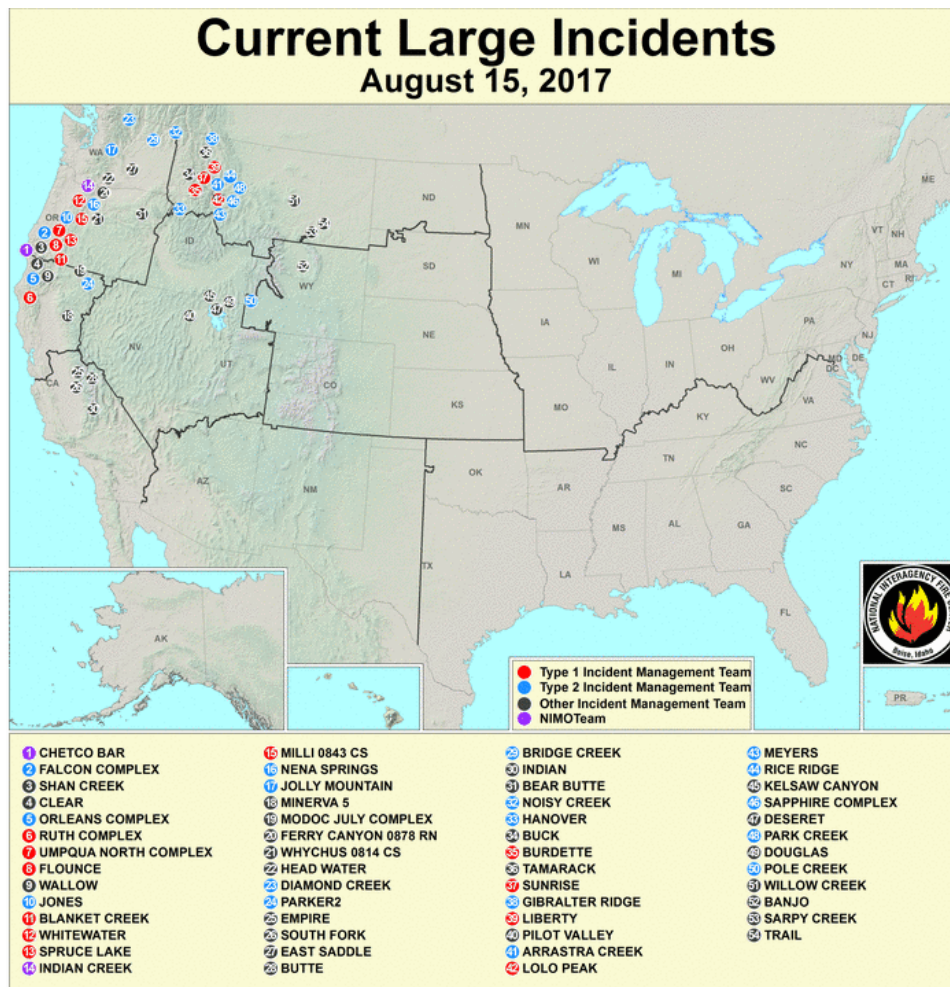
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (113 new fires)
New large fires:	12
Large fires contained:	6
Uncontained large fires: **	29
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	9
Type 2 IMTs committed:	19

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic, infrasound, satellite, or lightning data from the Bogoslof Volcano during the most recent observation period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor volcanic activity with satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and slightly elevated surface temperatures were observed in satellite images on Sunday morning. A small plume was observed extending from the summit in web camera images, but no significant activity was observed in seismic and infrasound data from the volcano. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 14, 2017*

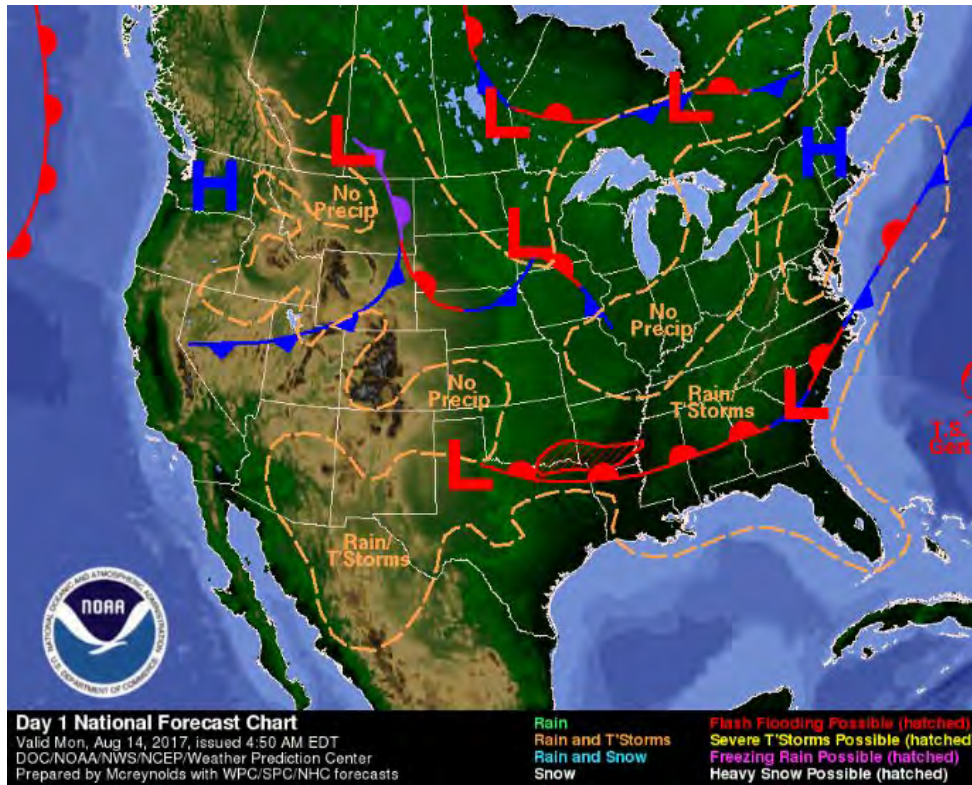
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano. At the summit, the lava lake level hasn't changed significantly since it was last measured on Saturday afternoon, at which time it was about 98 feet below the Overlook crater rim.

## Significant National Weather

Source: National Weather Service - August 15, 2017



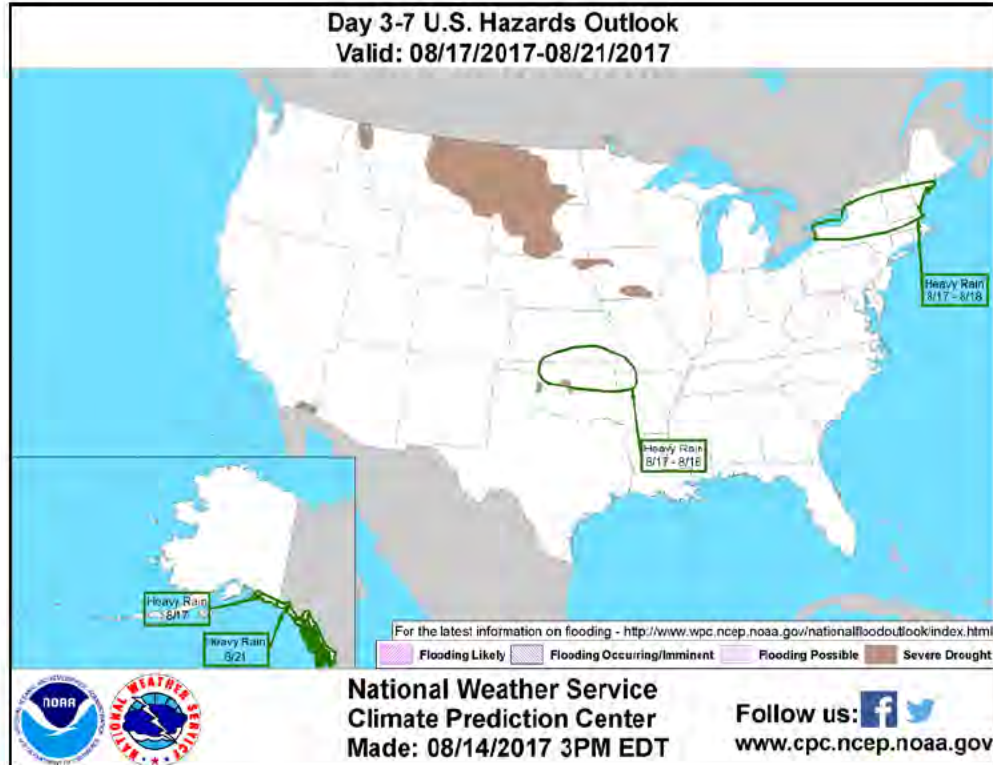
### Today

Thunderstorms will be widespread across the country developing over the Northeast, the mid-Atlantic, the Deep South, and the Great Plains. Thunderstorms, some potentially severe, are expected to develop across portions of the Great Plains today. A few strong thunderstorms may also develop across portions of the Northeast later this afternoon. Rain across portions of the central Plains is expected to be heavy, therefore there will be the possibility of some isolated flooding and flash flooding. A stationary front will stretch from southeast Virginia to Oklahoma, while another frontal system extends from the Great Lakes to the central Plains and central Rockies.

### Tomorrow

Scattered thunderstorms, some potentially severe, are expected from northern Oklahoma to southern Minnesota Wednesday. Heavy rain and flash flooding will be possible for portions of the upper Midwest. Afternoon and evening showers and thunderstorms will be possible for portions of the Rockies, the Great Basin, and the Sierras. Rain and thunderstorms will develop from the upper Midwest and the Great Plains, south to deep Texas and the Southeast.

## Weather Hazard Assessment



- August 17: Heavy rain across portions of the Alaska Panhandle and southwestern mainland Alaska.
- August 17-18: Heavy rain across portions of upstate New York and New England.
- August 17-18: Heavy rain across portions of the central and southern Plains and the lower and middle Mississippi Valley.
- August 21: Heavy rain across portions of the Alaska Panhandle.
- August 22-25: Slight risk of much above-normal temperatures for portions of the southern Plains.

### Alaska Weather

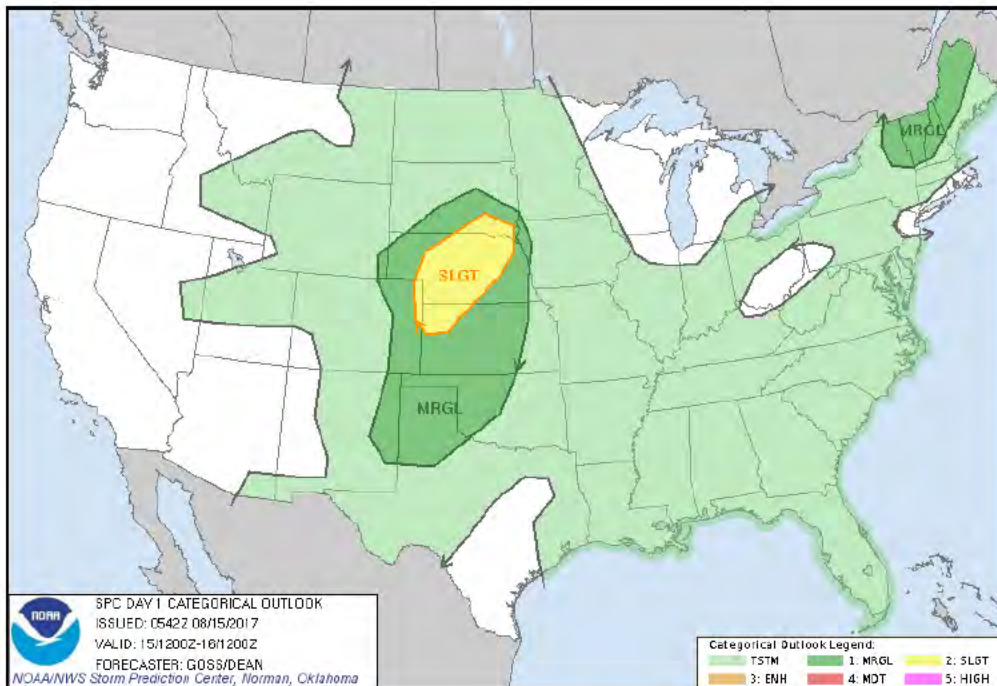
A Small Craft Advisory is in effect for portions of the Gulf of Alaska, the Shelikof Strait, the Aleutian Islands, St. Matthew Island, the St. Lawrence Island waters, from Cape Halkett to Demarcation Point, and from Dall Point to Cape Beaufort. A Special Weather Statement has been issued for snowfall across the central and western Brooks Range. An additional Special Weather Statement was issued for high water levels on small streams and rivers in the eastern Interior of Alaska and the western Cook Inlet. A Flood Advisory for rain and snowmelt is in effect for the upper Tanana Valley and the Fortymile Country.



**Significant River Flooding**

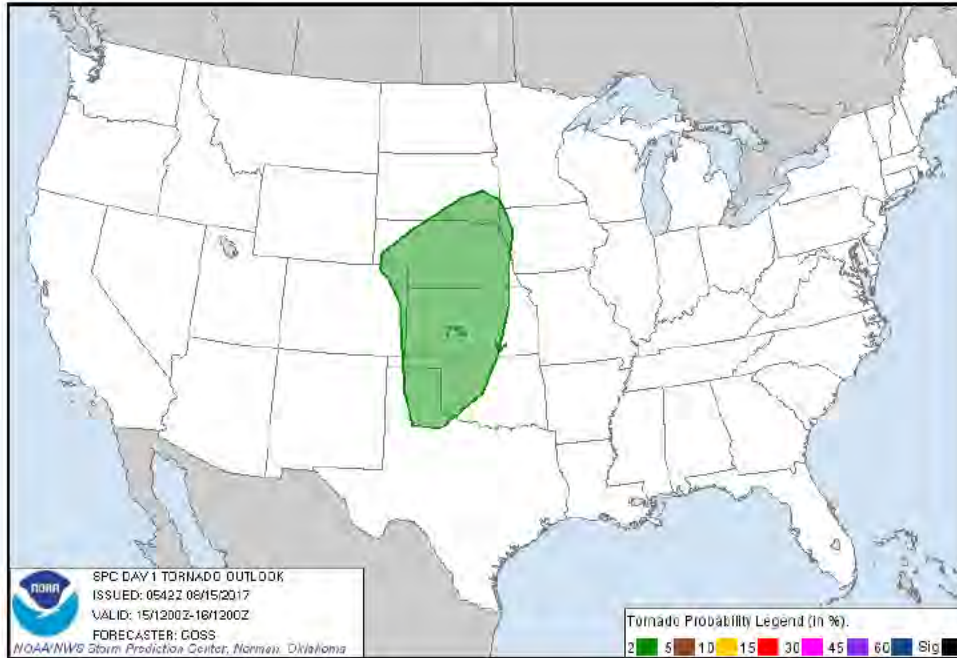
There is no Significant River Flooding expected across the U.S. during the next 5 days.

**Severe Weather**



There is a Slight Risk of severe thunderstorms for portions of northeastern Colorado, northwestern Kansas, central Nebraska, and southeastern South Dakota. There is a Marginal Risk through the Great Plains, from northern Texas and eastern New Mexico to South Dakota.

## Tornado Weather



There is a 2-percent chance of tornado activity today across southeastern South Dakota, Nebraska, northeastern Colorado, Kansas, Oklahoma, and northern Texas.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

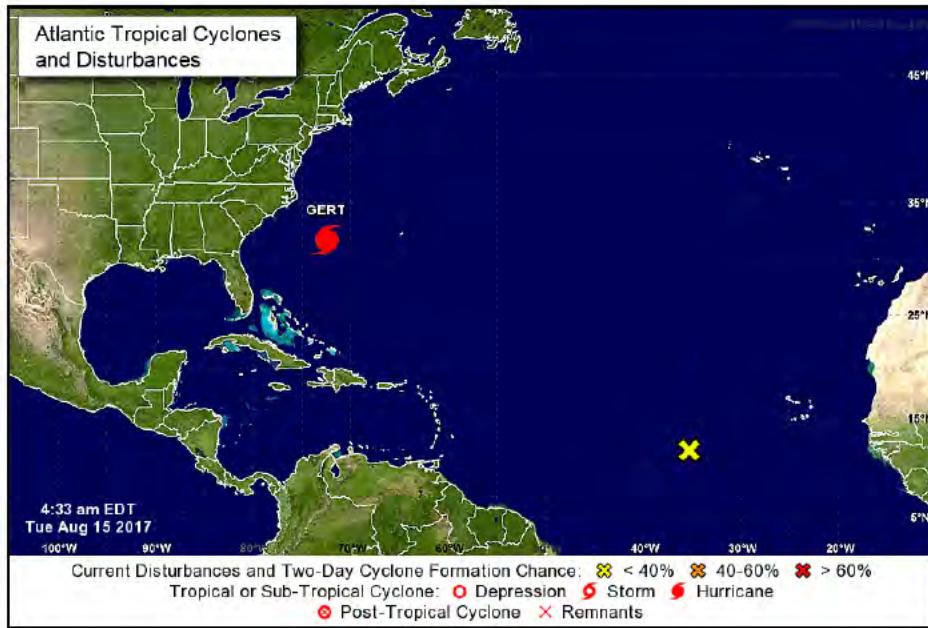
## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 15, 2017

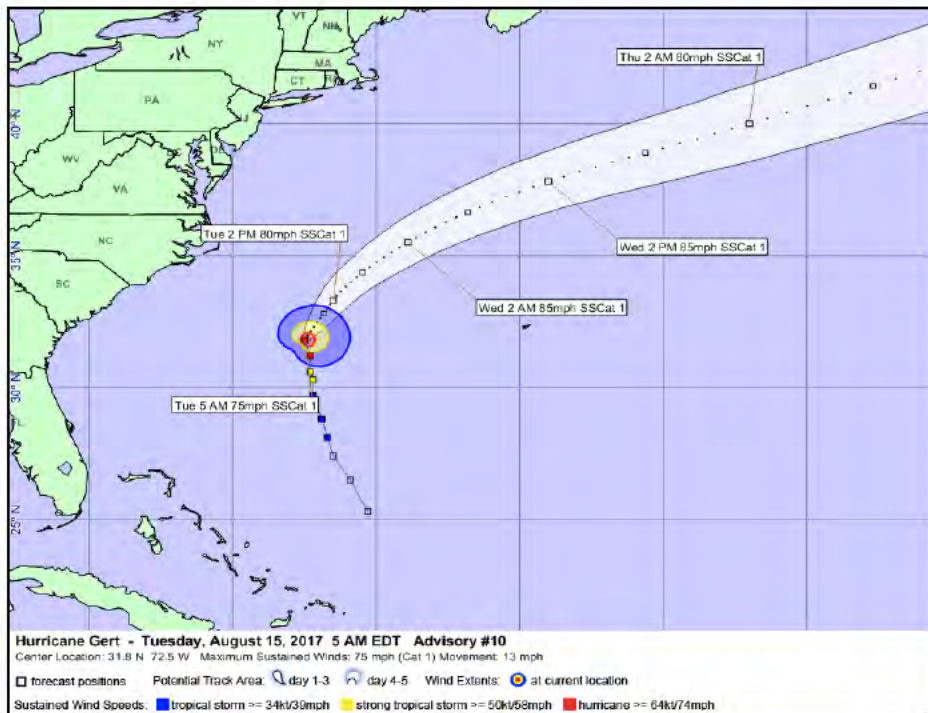
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** A couple of disorganized areas of disturbed weather are embedded within an elongated area of low pressure located several hundred miles west-southwest of the Cabo Verde Islands. Only slow development is anticipated during the next day or two, but conditions are forecast to become a little more conducive for tropical cyclone formation by later in the week, while the system moves westward at about 15 miles per hour (mph) over the tropical Atlantic. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.





### Tropical Storm Gert

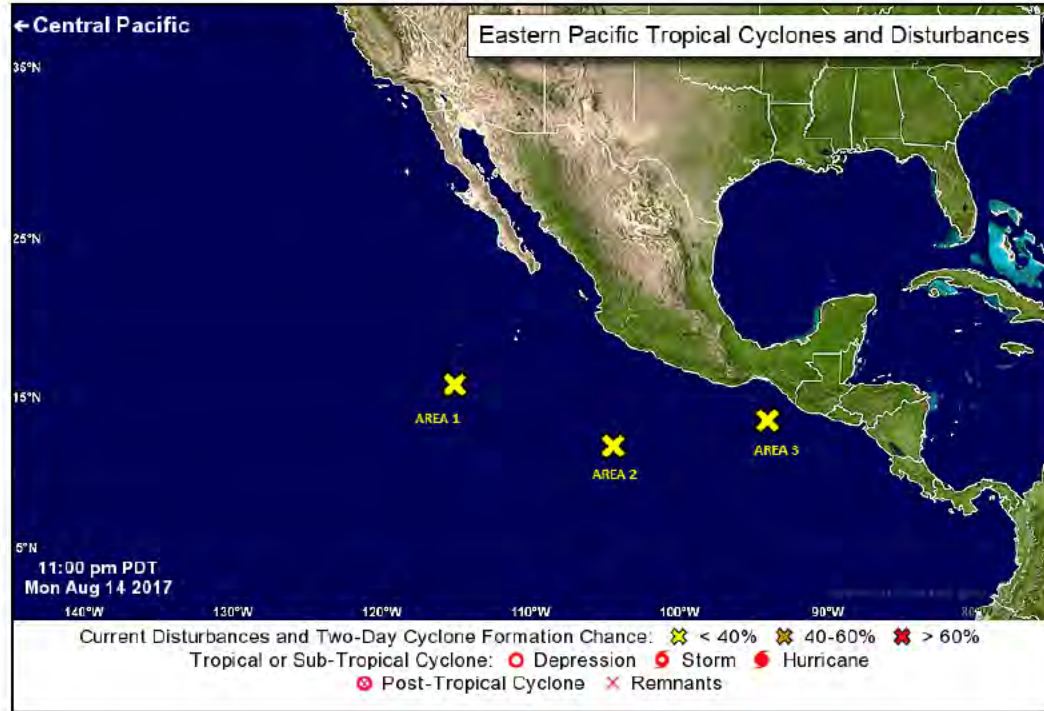


*HURREVAC Image*

As of 5:00 a.m. EDT, Hurricane Gert was located approximately 450 miles west of Bermuda, and moving toward the north at 12 mph. A turn toward the northeast, with an increase in forward speed, is expected later today. Maximum sustained winds remain near 75 mph, with higher gusts. Gert has the opportunity to gather some strength later today or Wednesday.

Hurricane-force winds extend outward up to 25 miles from the center and tropical-storm-force winds extend outward up to 105 miles. There are no coastal watches or warnings in effect.

### Eastern Pacific Ocean



**Area 1:** An area of disturbed weather located several hundred miles southwest of the southern tip of the Baja California peninsula is poorly organized. Development of this system, if any, will likely occur later this week while it moves slowly westward. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

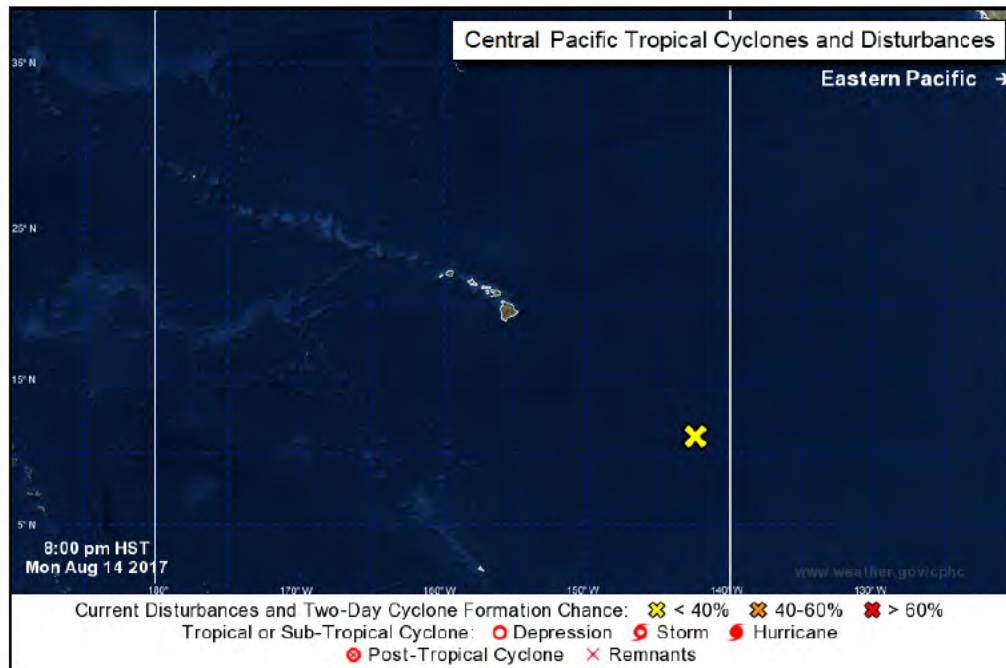
**Area 2:** Showers and thunderstorms associated with a westward moving trough of low pressure located several hundred miles southwest of Acapulco, Mexico, remain disorganized. Development of this system has become less likely. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 3:** A tropical wave near the Gulf of Tehuantepec is producing a few showers and thunderstorms. Some development of this system is possible in a few days while it moves westward to west-northwestward at 10 to 15 mph. This system has a 0-percent chance of developing into a tropical cyclone over the next 48 hours.

### Central Pacific Ocean

**Area 1:** Showers and thunderstorms associated with a broad area of low pressure, located about 1,000 miles southeast of Hilo, Hawaii, remain disorganized. Environmental conditions may become conducive for some gradual development of this system later this week as it moves

slowly toward the west-northwest. This system has a 20-percent chance of developing into a tropical cyclone within the next 48.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

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## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 16, 2017*

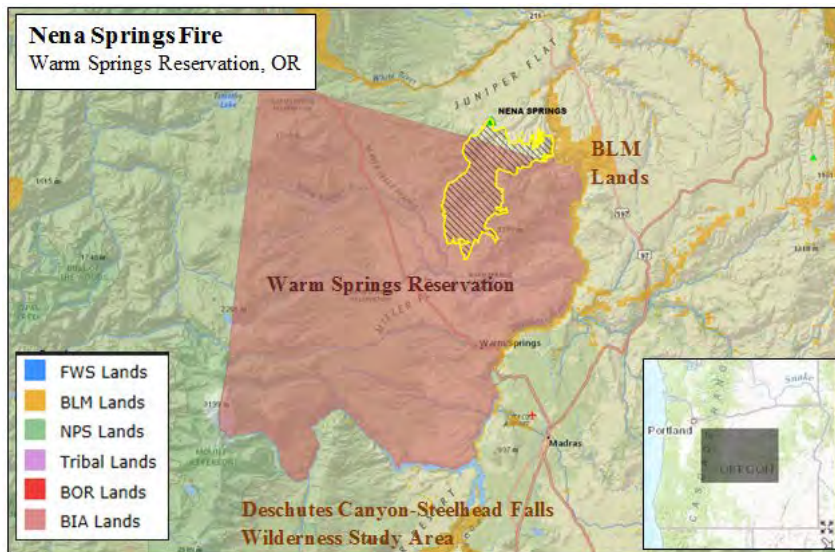
## Oregon

### **Nena Springs Fire**

- Start Date: August 8
- Location: Warm Springs Reservation, OR (BIA)
- Burned Acres: 39,526 (-474)
- Containment: 90-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 299 (-123) / 45 (-39)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (-141) / 0 (-2)
- Evacuations / Shelter in place: 75 (no change) / 120 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: August 16

Comments: Fire behavior was minimal with smoldering in the primary fuels. The acreage burned has been reduced due to better mapping. Six residences have been destroyed, but there is

little threat to other residences throughout the area. This fire will transition to a Type-3 IMT today.



IGEMS Image

## Washington

### Bridge Creek Fire

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 1,150 (no change)
- Containment: 22-percent (+4)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 350 (+14) / 108 (+15)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (+1) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with backing, flanking, and isolated torching. The burnout has begun and will continue for the next few days. The fire threatens cultural and natural resources and continues to spread to the northeast and northwest. The fire also has the potential to affect the Colville Tribe local government. Resource availability is an operational challenge, and the steep, rocky terrain is hindering direct attack.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
South Fork	Mariposa, CA	NPS	3	1,700	0%	September 3
North Pole 0900 RN	Wasco, OR	BLM	3	5,075	0%	August 17
East Saddle	Grant, WA	FWS	3	17,465	95%	August 17
Bucknum	Natrona, WY	BLM	3	2,957	90%	August 18

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 16, 2017

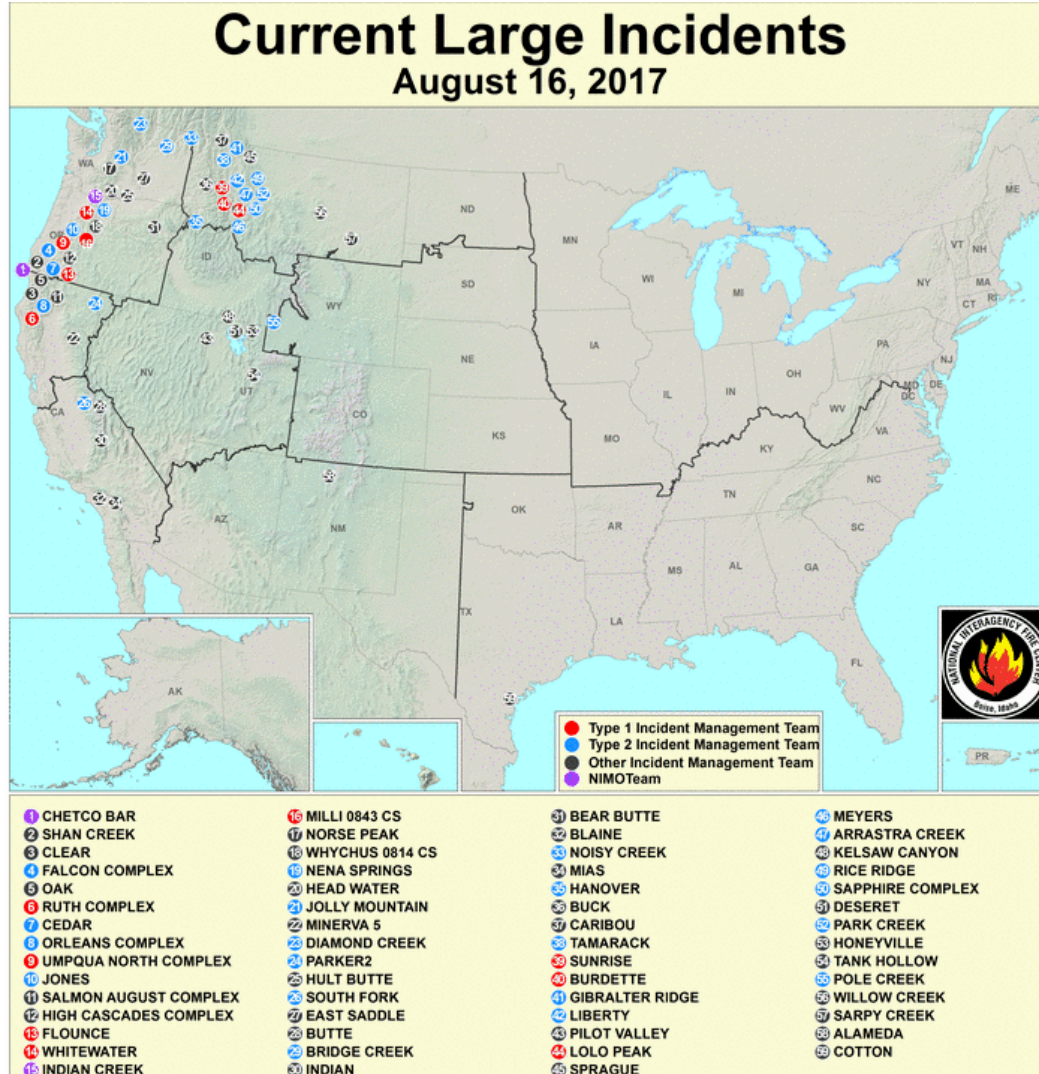
#### National Preparedness Level 5

#### National Fire Activity

Initial attack activity: Light (89 new fires)  
 New large fires: 11  
 Large fires contained: 6  
 Uncontained large fires: \*\* 28  
 Area Command Teams committed: 1  
 NIMOs committed: 2  
 Type 1 IMTs committed: 10  
 Type 2 IMTs committed: 22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogolof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 15, 2017

Alert Level = WATCH

Color Code = ORANGE

A sequence of seismic events has been observed at Bogolof since August 5. Similar sequences have preceded eruptive activity at Bogolof; however, in other cases, such activity died down with no major explosive activity. No infrasound or lightning signals were detected during the observation period, and no activity was observed in partly cloudy satellite data. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 15, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and elevated surface temperatures were observed in satellite images on Tuesday morning. While the summit of Cleveland was obscured by cloudy weather in web camera images, no significant activity was observed in seismic and infrasound data. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 15, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano.

## **Significant National Weather**

*Source: National Weather Service - August 16, 2017*

### **Today**

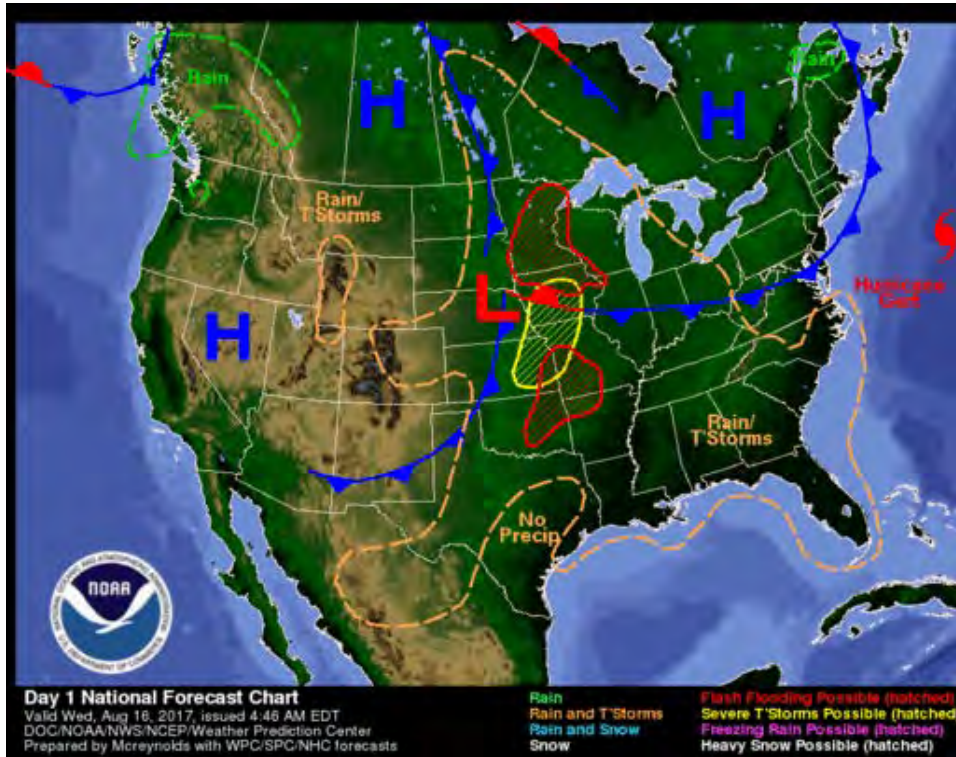
Another cold front will drop south into the Texas Panhandle and southern Four Corners regions. Scattered rain and thunderstorms will develop through the upper Midwest and western Great Lakes to the Southeast, the Deep South, the lower Mississippi Valley, and southwestern Texas. Scattered thunderstorms are expected across much of the central U.S., from Oklahoma to southern Minnesota and Wisconsin. Heavy rain, which could produce localized areas of flooding and flash flooding, is forecast to develop across portions of the upper Midwest and middle Mississippi Valley region.

### **Tomorrow**

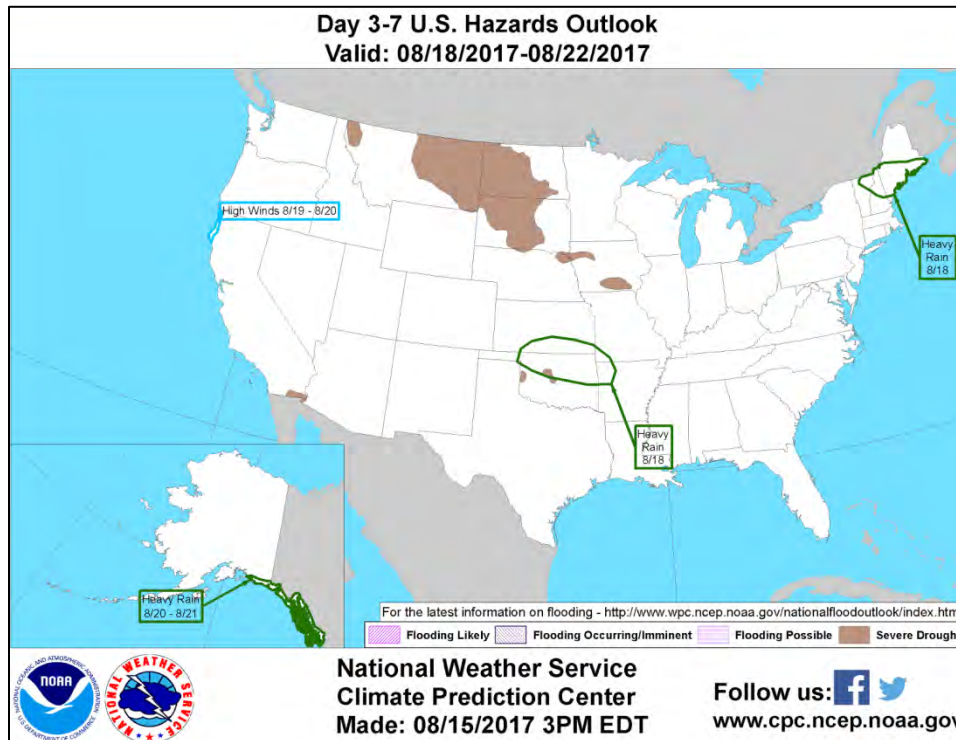
Rain and thunderstorms will be widespread over the Plains, portions of the Rockies, the Great Lakes, the Northeast, the Midwest, the lower Mississippi Valley, the Deep South, and the Southeast. Thunderstorms are expected across the Ohio Valley into lower Michigan. Scattered severe thunderstorms are also expected across the southern High Plains. Heavy rain and flash



flooding will be possible across the Oklahoma and Texas Panhandle regions. Afternoon and evening showers and thunderstorms will develop over the Sierras.



### Weather Hazard Assessment



- August 18: Heavy rain across portions of the Northeast.
- August 18: Heavy rain across portions of the central and the southern Plains and the lower and the middle Mississippi Valley.
- August 19-20: High winds for coastal portions of northern California.
- August 20-21: Heavy rain across portions of the Alaska Panhandle and southwestern mainland Alaska.

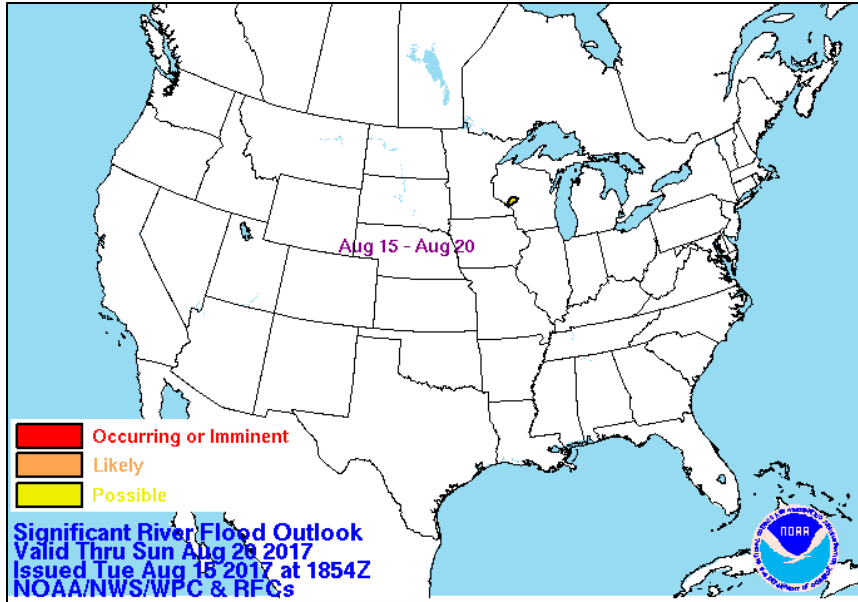
## Alaska Weather

A Small Craft Advisory is in effect for portions of the Gulf of Alaska, the Shelikof Strait, the Aleutian Islands, St. Matthew Island, from Port Heiden to Bristol Bay, and from Dall Point to Cape Beaufort. A Gale Warning is in effect for the Bering Sea Offshore, the Pribilof Islands, and from Nikolski to Castle Cape.

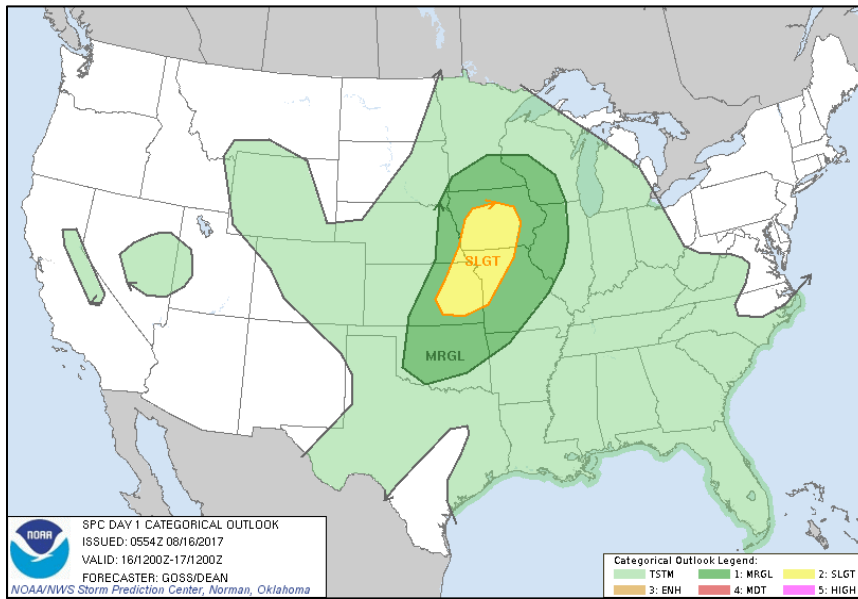


## Significant River Flooding

Significant River Flooding is possible in western Wisconsin.

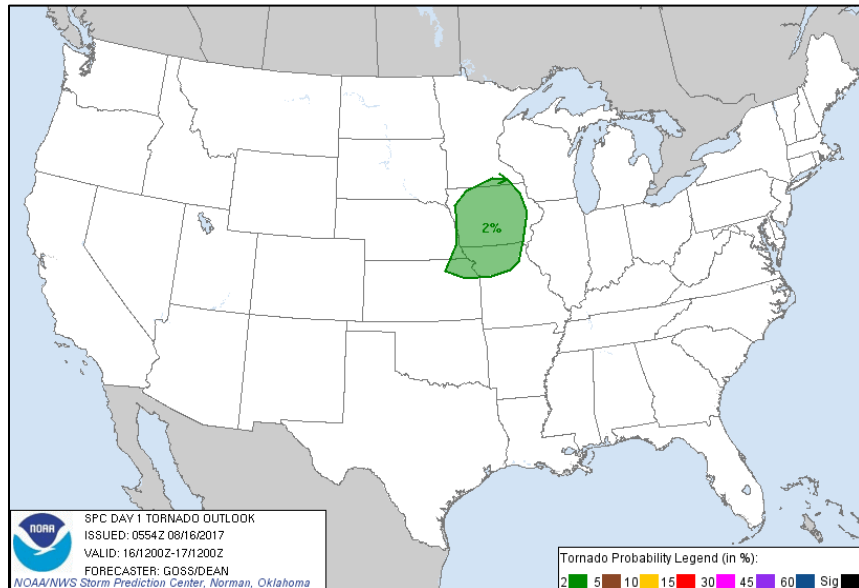


**Severe Weather**



There is a Slight Risk of severe thunderstorms for portions of Iowa, southeastern Nebraska, eastern Kansas, and northwestern Missouri. There is a Marginal Risk of severe thunderstorms across portions of the lower and middle Mississippi Valley and the central and southern Plains.

## Tornado Weather



There is a 2-percent chance of tornado activity today across southern Minnesota, southeastern Nebraska, Iowa, northeastern Kansas, and northern Missouri.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

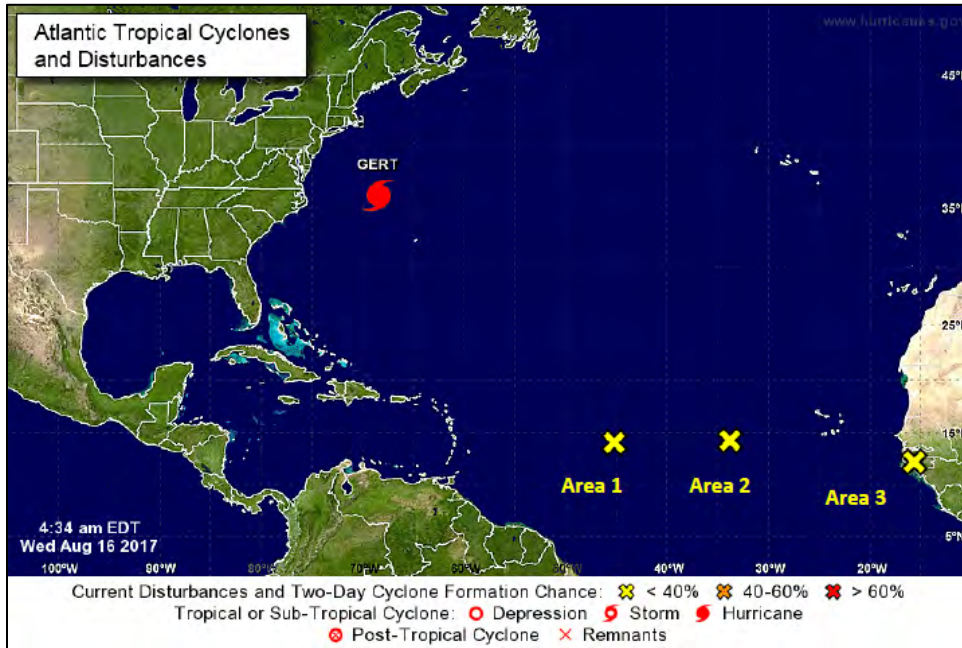
Source: National Weather Service/National Hurricane Center – August 16, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

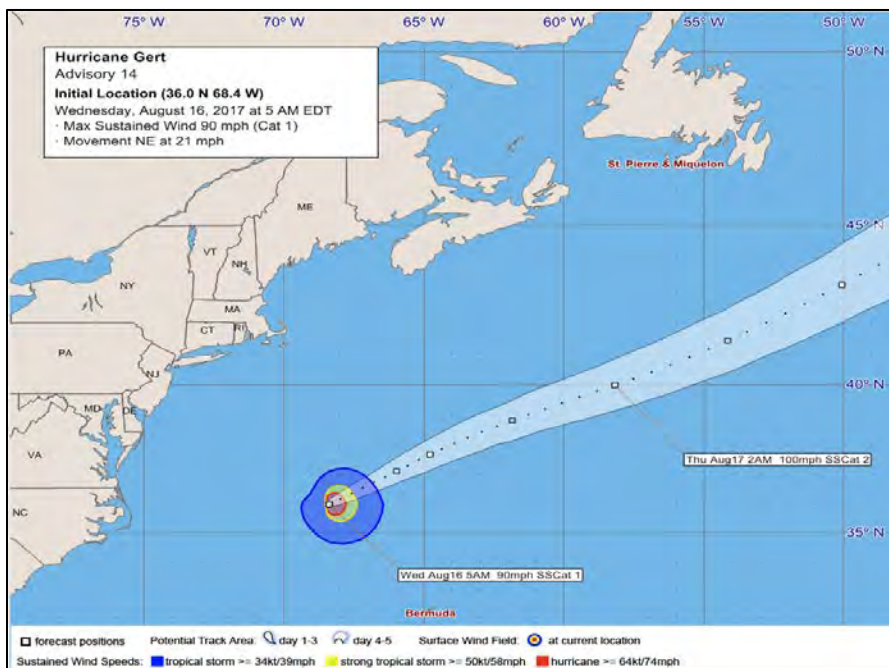
**Area 1:** A broad area of low pressure located about 1,000 miles east of the Lesser Antilles is producing disorganized showers and a few thunderstorms. This system is moving westward at 15 to 20 miles per hours (mph), and it is expected to cross into the Caribbean Sea on Friday. Environmental conditions are expected to be marginally conducive for slow development of this system during the next few days. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 2:** Showers and thunderstorms continue to show some signs of organization in association with an area of low pressure located about 600 miles west of the Cabo Verde Islands. Gradual development of this system is possible before upper-level winds become less conducive for development by the weekend. This system is expected to move west-northwestward at 15 to 20 mph during the next several days. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 3:** A tropical wave near the western coast of Africa is producing a large area of disorganized showers and thunderstorms. Environmental conditions appear conducive for gradual development of this wave while it moves west-northwestward at about 15 mph during the next several days. This system has a zero-percent chance of developing into a tropical cyclone over the next 48 hours.



### Tropical Storm Gert

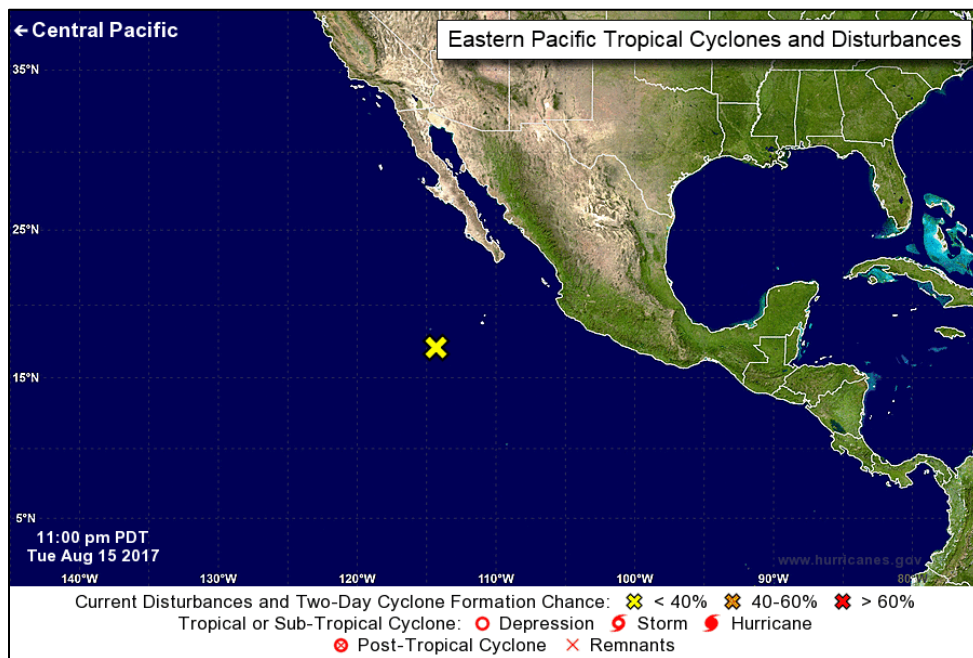


HURREVAC Image

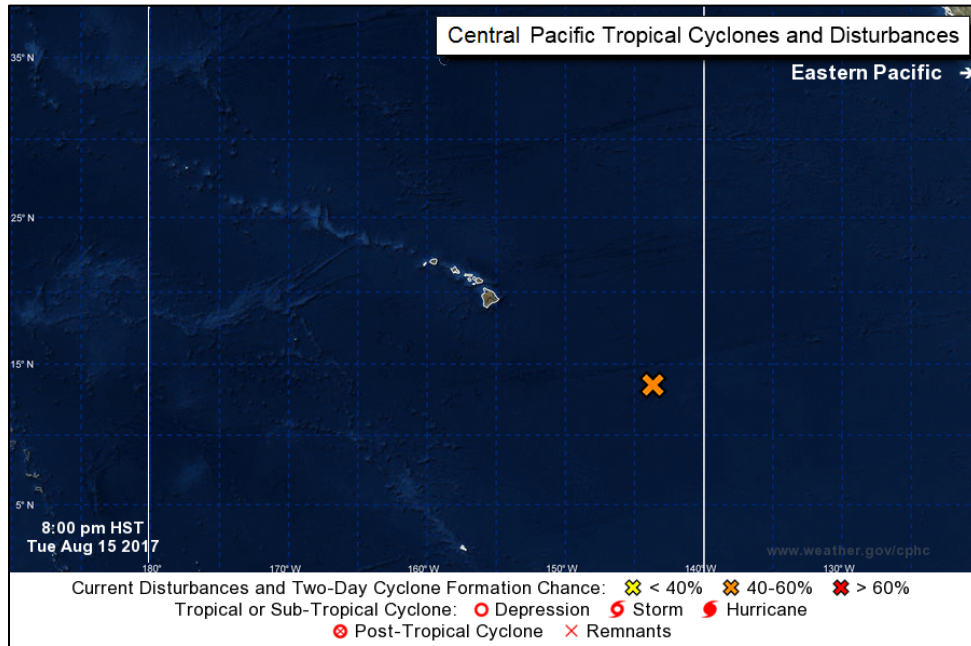
As of 5:00 a.m. EDT, Hurricane Gert was located approximately 450 miles west of Bermuda, and moving toward the north at 15 mph. A turn toward the northeast, with an increase in forward speed, is expected later today. Maximum sustained winds remain near 75 mph, with higher gusts. Gert has the opportunity to gather some strength later today or Wednesday. Hurricane-force winds extend outward up to 25 miles from the center and tropical-storm-force winds extend outward up to 105 miles. There are no coastal watches or warnings in effect.

### Eastern Pacific Ocean

**Area 1:** A broad area of low pressure located about 500 miles south-southwest of the southern tip of the Baja California peninsula, and is producing disorganized cloudiness and showers. Development, if any, of this system is expected to be slow to occur, while it moves westward at 10 mph during the next several days. This system has a 0-percent chance of developing into a tropical cyclone over the next 48 hours.



## Central Pacific Ocean



**Area 1:** Showers and thunderstorms continue to develop in association with a broad area of low pressure around 860 miles southeast of Hilo, Hawaii. Environmental conditions appear to be conducive for gradual development of this system during the next few days as it moves slowly toward the northwest. This system has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
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**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 17, 2017*

The **Bucknum Fire** (Wyoming) and the **North Pole 0900 RN Fire** (Oregon) reached 100-percent containment yesterday; therefore, the fires will no longer be summarized in this report. The **East Saddle Fire** (Washington) will also not be summarized since an updated ICS-209 was not published.

## California

### **South Fork Fire**

- Start Date: August 13
- Location: Yosemite National Park, CA (NPS)
- Burned Acres: 2,296 (+596)
- Containment: 5-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 350 (+97) / 48 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 1 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)



- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 3

Comments: Fire behavior was described as active during this reporting period with running, backing, and torching. Voluntary evacuations are occurring in some areas around Wawona, and trail closures are in effect. In addition to the structures, the fire is also threatening archaeological sites, critical habitat for the Yosemite toad, communications infrastructure, rare plant life, and a local water intake.



IGEMS Image

## Washington

### Bridge Creek Fire

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 1,343 (+193)
- Containment: 22-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 454 (+104) / 131 (+23)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with flanking, single-tree torching, and short-range spotting. Additional perimeter spread is expected. The fire continues to threaten cultural and natural resources and has the potential to impact the Colville Tribe local government. The main transportation route to the Twin Lakes and Inchelium areas may need to be closed during suppression activities over the next several days.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Keyhole Hammock	Miami-Dade, FL	NPS	4	1,600	50%	August 25
Nena Springs	Wasco, OR	BIA	3	39,526	80%	August 16

### Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – August 17, 2017*

#### National Preparedness Level 5

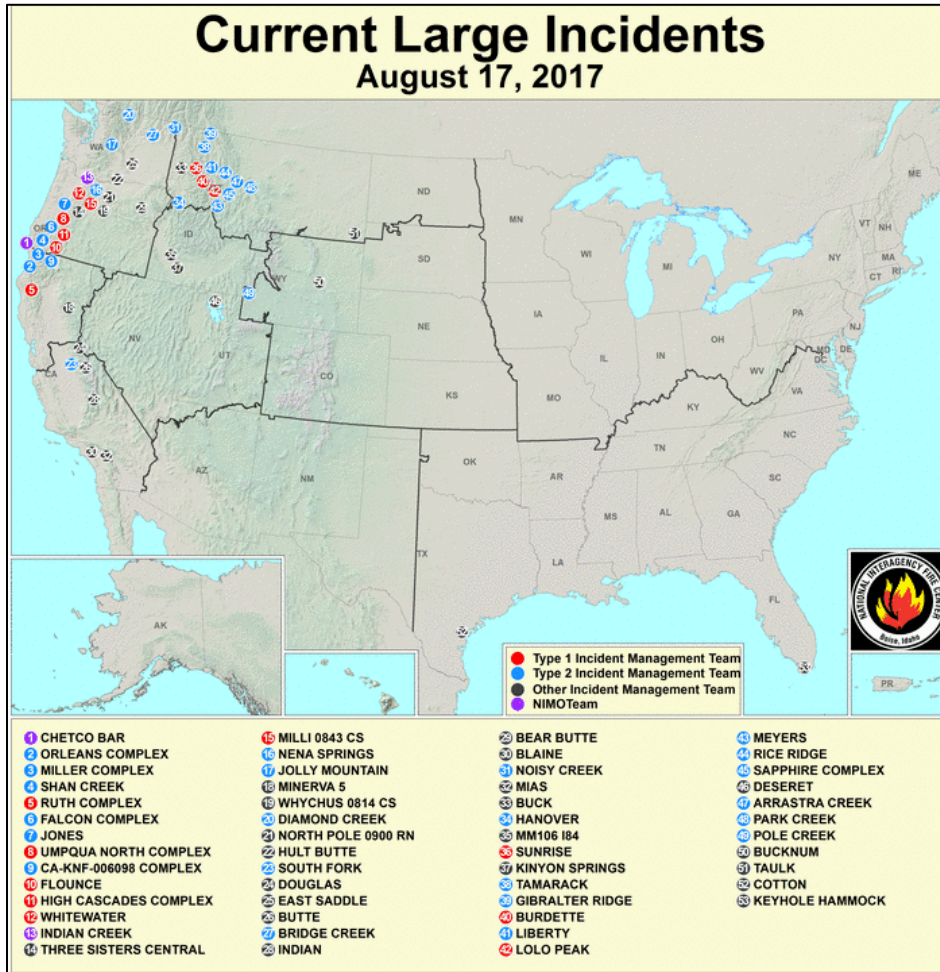
#### National Fire Activity

Initial attack activity:	Light (84 new fires)
New large fires:	4
Large fires contained:	4
Uncontained large fires: **	25
Area Command Teams committed:	1
NIMOs committed:	1

Type 1 IMTs committed: 8  
 Type 2 IMTs committed: 19

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**



**Volcano Activity**

**Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 16, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, and seismicity remained slightly elevated during this reporting period. No infrasound or lightning signals have been detected, and no activity was observed in partly cloudy satellite data. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period, but no significant activity was observed in seismic and infrasound data from the volcano. Satellite and web camera views were obscured by clouds. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

**Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano.

**Significant National Weather**

*Source: National Weather Service - August 17, 2017*

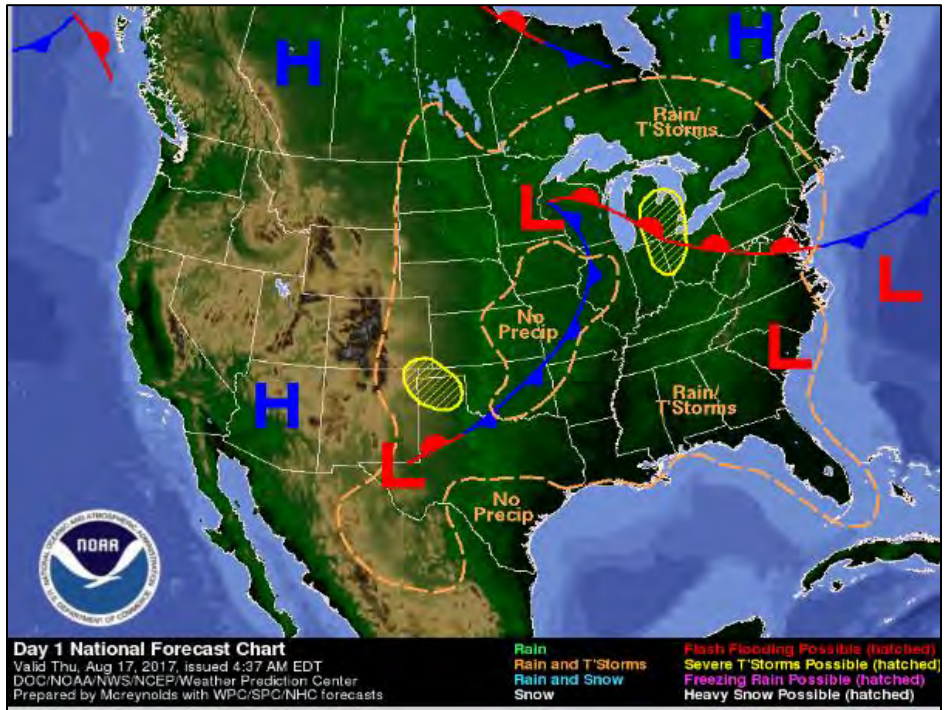
**Today**

Today, an area of low pressure moves into the upper Midwest with a warm front extending from the upper Midwest across the Great Lakes into the mid-Atlantic. A cold front drops south from this area of low pressure through the Midwest into Texas. Rain and thunderstorms develop across a large part of the central and eastern United States from the High Plains, Great Lakes, and Northeast south to the Gulf of Mexico and Texas. Thunderstorms, some severe, are expected across the Ohio Valley into lower Michigan. Expect scattered thunderstorms, some severe across the central and southern High Plains. Very warm temperatures and high relative humidity values combine to produce heat index values in the mid 100's across the lower Mississippi Valley and southeast coastal region. Numerous Heat Advisories are in effect across these regions. Expect fair and dry weather from the Rockies to the West Coast.

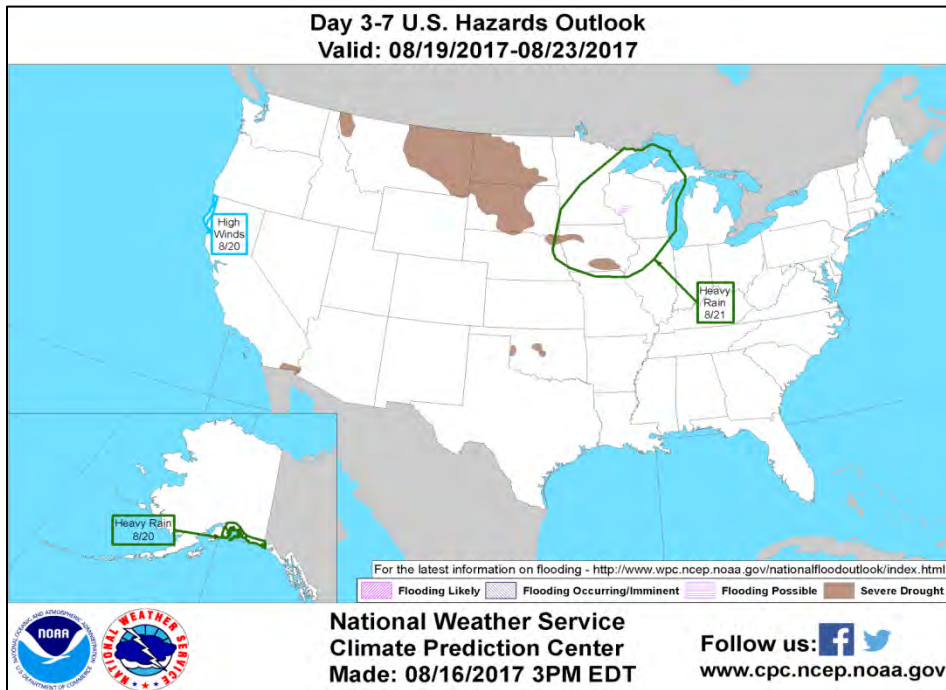
**Tomorrow**

Rain and thunderstorms will develop from the eastern Great Lakes southward along the East Coast to the Southeast and the Deep South. Heavy rain and flash flooding is forecast from the Chesapeake Bay to the central New England coastal region. Scattered thunderstorms are expected from the middle Atlantic into Upstate New York. Additional scattered showers and thunderstorms will develop from the upper Midwest to the lower Mississippi Valley and central Plains. Heavy rain and flash flooding is expected from central Oklahoma to southwest

Arkansas. Isolated severe thunderstorms are expected across the mid-Missouri Valley region. Elsewhere, monsoonal related showers and thunderstorms will develop across portions of the Rio Grande Valley, southern New Mexico, the central Great Basin, and the Sierras.

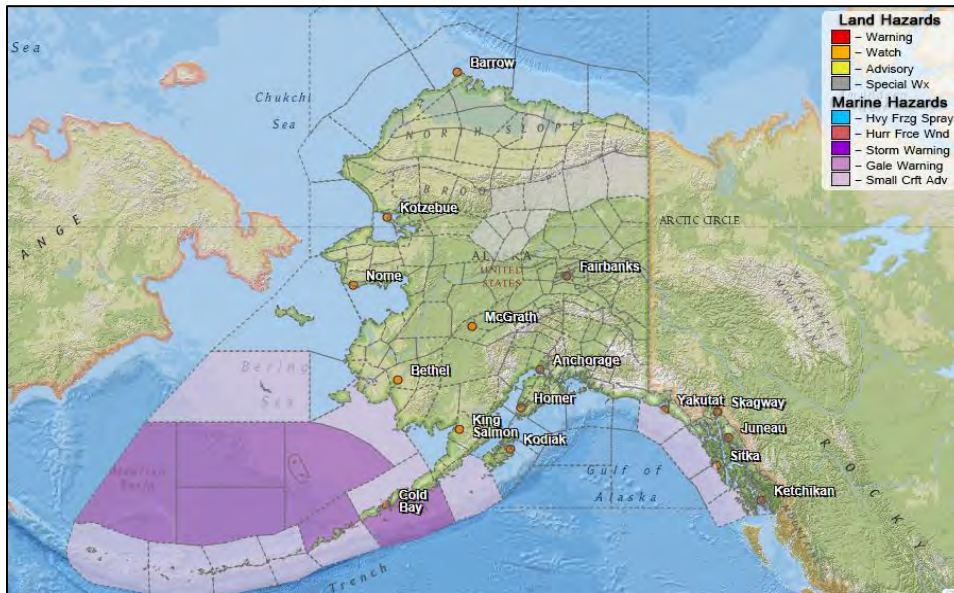


### Weather Hazard Assessment



- August 17: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, Arizona, California, and Hawaii.
- August 19-20: High winds for coastal portions of northern California.
- August 20: Heavy rain across portions of Alaska's southern coast.
- August 21: Heavy rain across portions of the upper and middle Mississippi Valley and the Great Lakes.

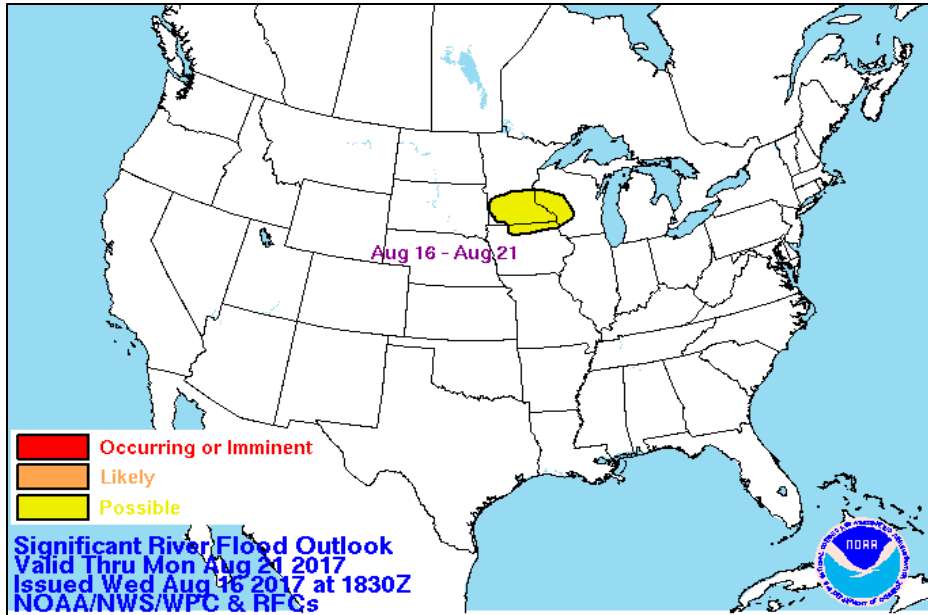
## Alaska Weather



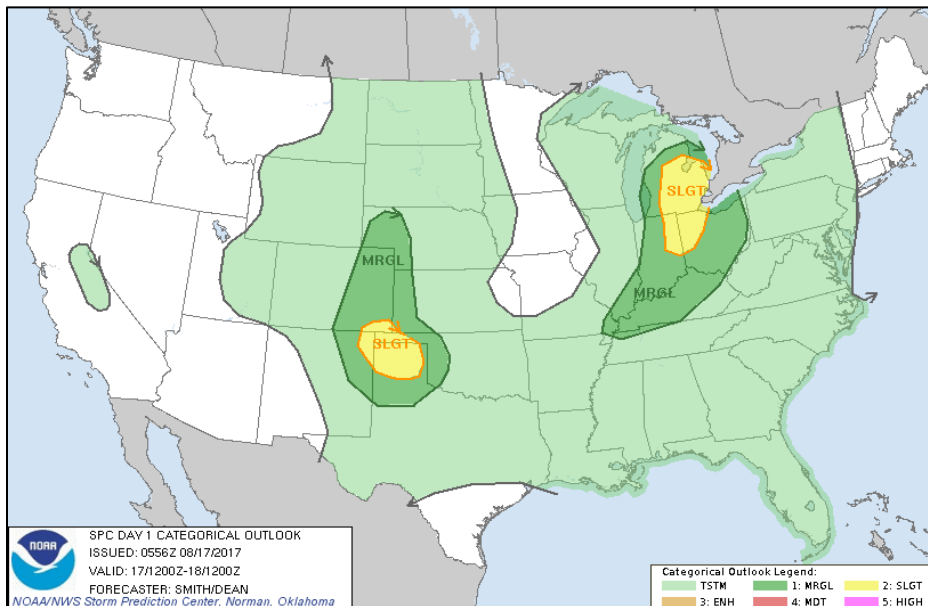
A Small Craft Advisory is in effect for eastern portions of the Gulf of Alaska, the Aleutian Islands, the Kuskokwim Delta, the Etolin Strait, and St. Matthew Island. A Gale Warning is in effect in the Pribilof Islands, from Castle Cape to Cape Sarichef (Pacific Ocean side), and from Cape Sarichef to Nikoliski (Bering Sea side). Heavy rain is forecast for portions of the upper Koyukuk River Basin.

## Significant River Flooding

Significant River Flooding is possible in southern Minnesota, western Wisconsin, and northern Iowa.

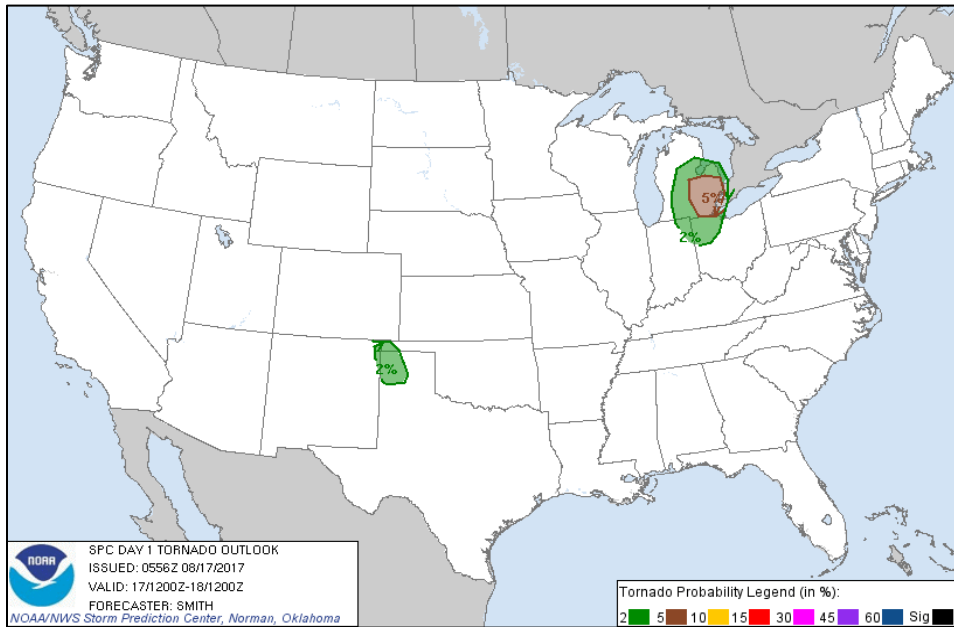


## Severe Weather



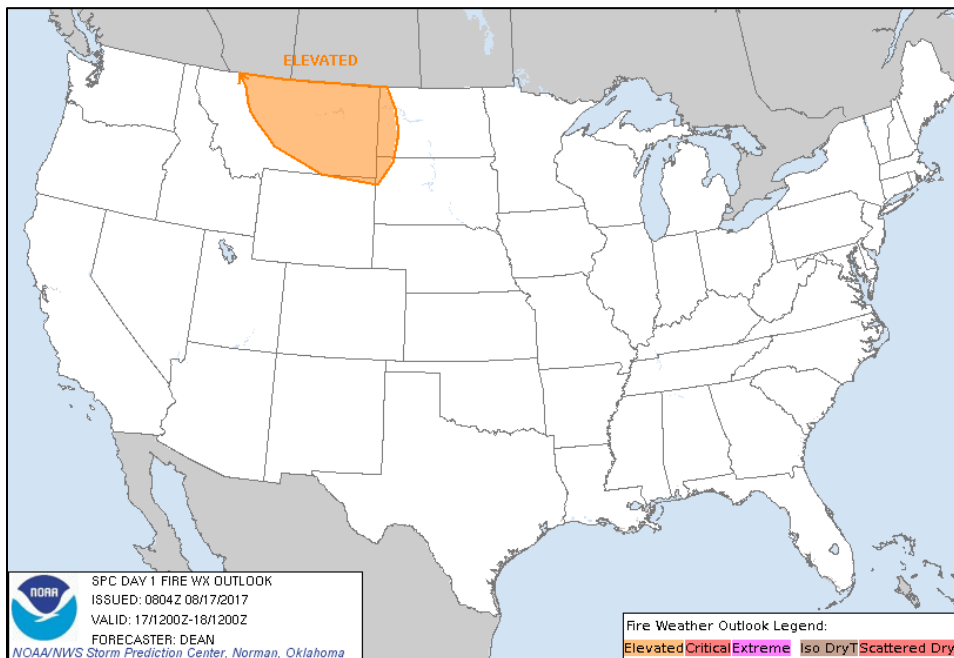
There is a Slight Risk of severe thunderstorm activity today for portions of lower Michigan, eastern Indiana, northwestern Ohio, and from southeastern Colorado into the Oklahoma and Texas panhandles. There is a Marginal Risk of severe thunderstorms from the Ohio Valley into the central Great Lakes and from western Nebraska into the southern High Plains.

## Tornado Weather



There is a 2 to 5-percent chance of tornado activity today across portions of lower Michigan, northeastern Indiana, and northwestern Ohio. There is a 2-percent chance of tornado activity across portions of the Texas and Oklahoma panhandles and northeastern New Mexico.

## Fire Weather





There is no Critical Fire Weather forecast for today across the U.S; however, Elevated Fire Weather is forecast for portions of Montana, western North Dakota, northwestern South Dakota, and northeastern Wyoming.

### **Tropical Weather Activity**

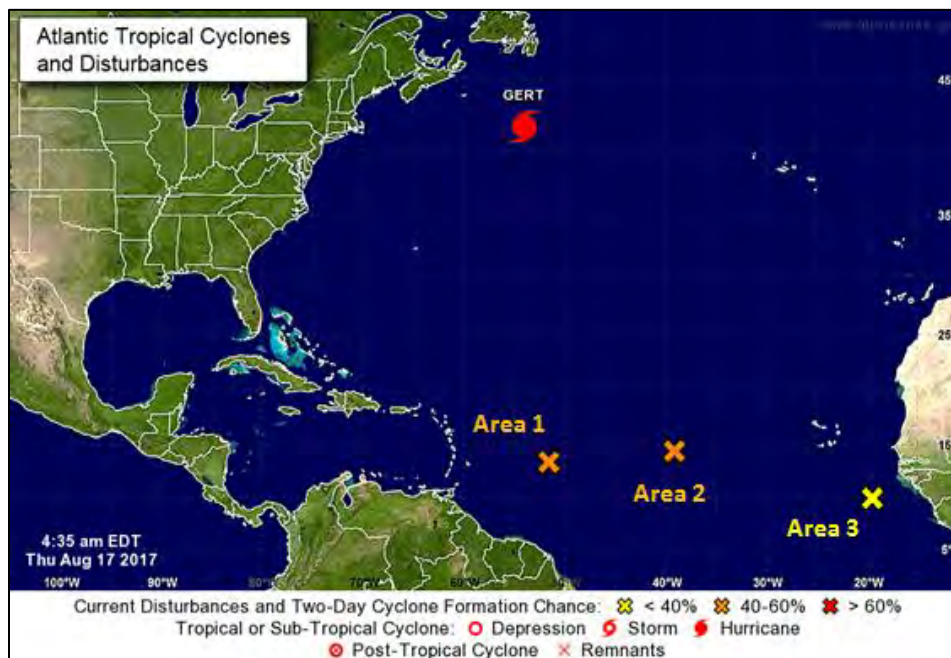
Source: National Weather Service/National Hurricane Center – August 17, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

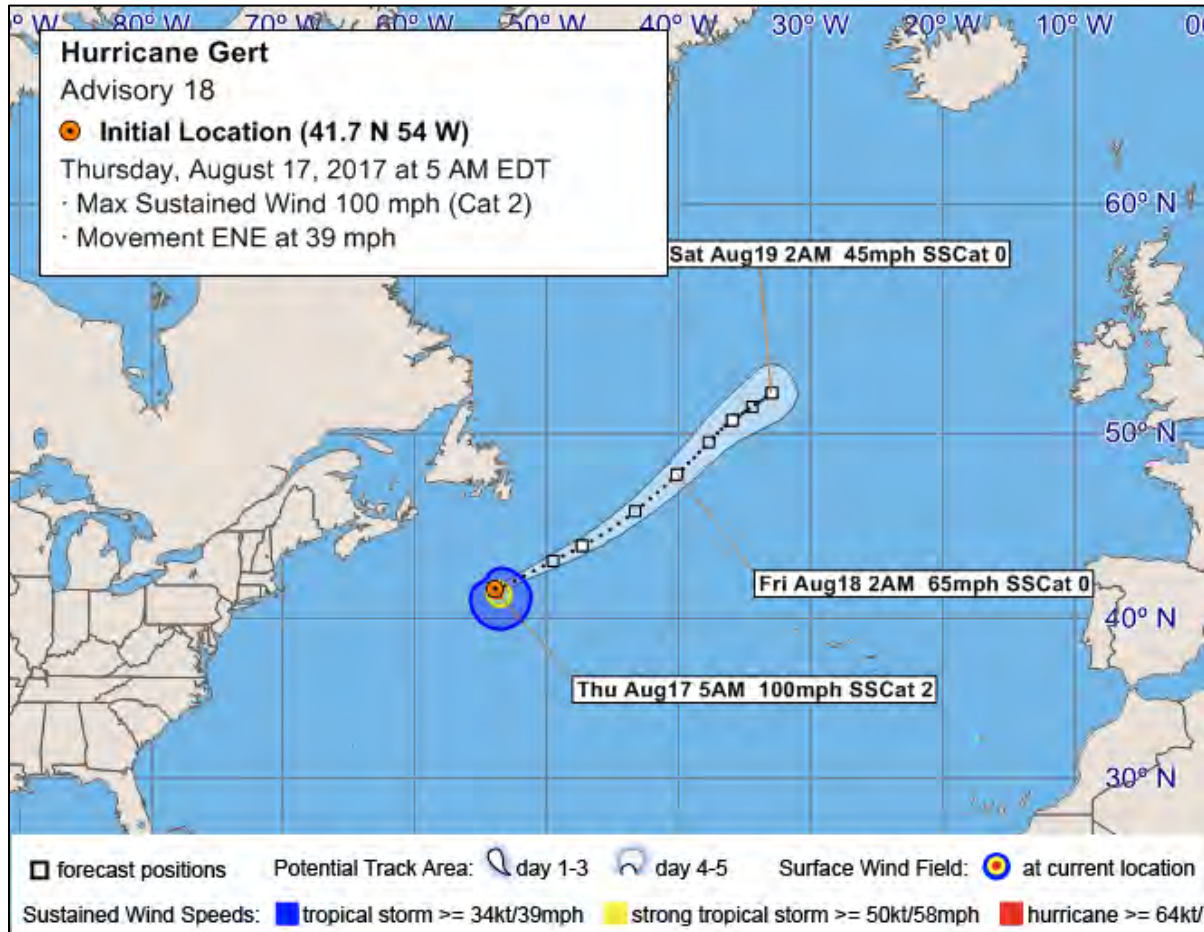
**Area 1:** Showers and thunderstorms associated with a low-pressure system located about 550 miles east of the Lesser Antilles are showing signs of organization. A U.S. Air Force Reserve reconnaissance aircraft is scheduled to investigate the disturbance this afternoon, if necessary. This system has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 2:** A second area of low pressure located about midway between the coast of Africa and the Lesser Antilles continues to produce disorganized showers and thunderstorms. Gradual development is possible while the system moves west-northwestward at 15 to 20 miles per hour (mph). This system has a 40-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 3:** A tropical wave located over the eastern Atlantic Ocean, near the Cabo Verde Islands, is producing disorganized showers and thunderstorms. Gradual development is possible during the next several days while this system moves northwestward at about 15 mph. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.



## Hurricane Gert

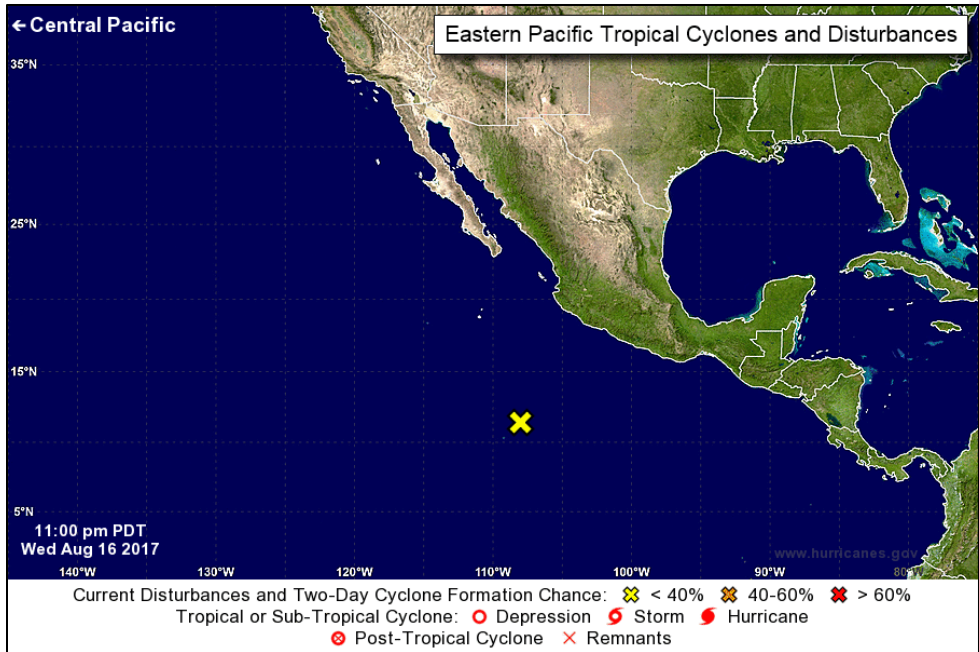


*HURREVAC Image*

As of 5:00 a.m. EDT, Hurricane Gert was located approximately 350 miles south of Cape Race, Newfoundland and moving toward the east-northeast at 39 mph. This motion is expected to continue today, and a slower northeastward to east-northeastward motion is expected on Friday. Maximum sustained winds are 100 mph, with higher gusts, and a weakening trend is expected to continue. Gert will likely lose its tropical characteristics by tonight. Hurricane-force winds extend outward up to 35 miles from the storm's center, and tropical-storm-force winds extend outward up to 175 miles. This will be the final report on Hurricane Gert.

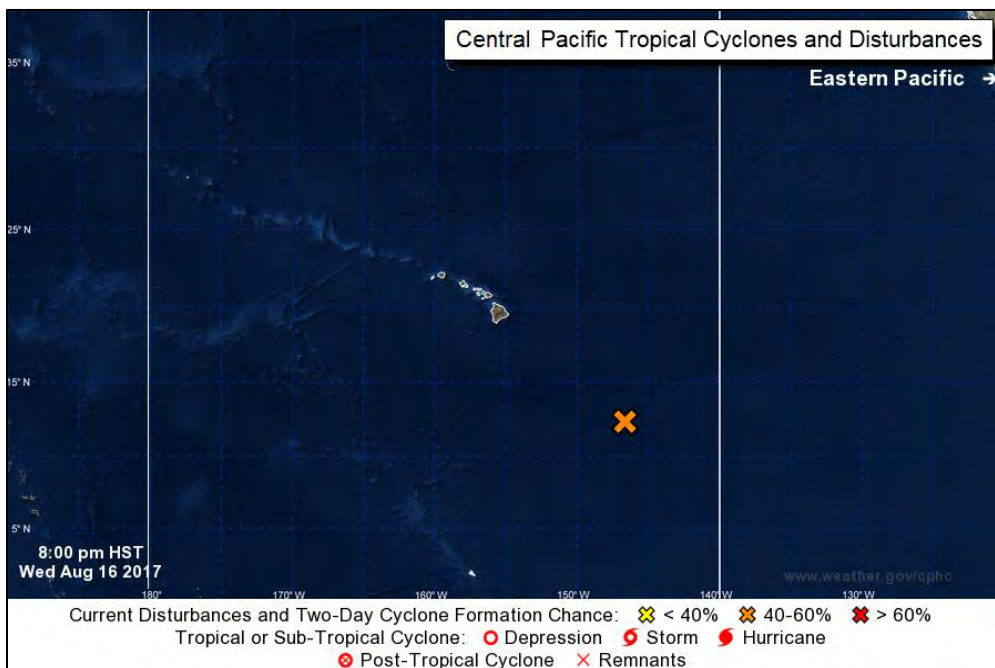
## Eastern Pacific Ocean

A broad area of low pressure located about 650 miles south-southwest of Manzanillo, Mexico continues to produce disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for gradual development, and this system could become a tropical depression within the next few days while it moves west-northwestward at 10 to 15 mph. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.



## Central Pacific Ocean

Showers and thunderstorms associated with a broad area of low pressure about 750 miles southeast of Hilo, Hawaii remain disorganized. Environmental conditions appear to be marginally conducive for gradual development during the next 2 to 3 days as the system drifts toward the northwest. If the system does not develop within the next 3 days, less favorable conditions are expected to make development unlikely on days 4 or 5. This system has a 50-percent chance of developing into a tropical cyclone over the next 48 hours.



*\*End of Report\**

**Distribution:**

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EM Coordinators and Alternates

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EM-Incident Support Team

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IOS Senior Officials\*

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, August 18, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Fieldwood Green Canyon Block 200 Well Pressure Increase – Gulf of Mexico

*Source: DOI Bureau of Safety and Environmental Enforcement – August 17, 2017*

The DOI Bureau of Safety and Environmental Enforcement (BSEE) is reporting that a well located approximately 96 miles to the south of Houma, Louisiana in the Gulf of Mexico has experienced an increase in pressure. The well site is referred to as Green Canyon Block 200, and the current lease holder is Fieldwood Energy, LLC. According to BSEE, the well is located in approximately 2,700 feet of water and has been “shut-in” since 2009. Between May 1 and August 17 of this year, sensors at the well indicated that the casing pressure rose from 2,197 pounds per square inch (PSI) to 10,009 PSI. The well infrastructure has a pressure rating of 10,000 PSI. In response to the increase in pressure, the well operator dispatched four ships and over 180 personnel to the area to support operations.

The BSEE was notified of the increase in pressure on July 28 and has been working with the well's operator and communicating situation updates to DOI leadership, the U.S. Coast Guard (USCG), and the Federal Emergency Management Agency (FEMA). On August 17, BSEE reported that Fieldwood Energy conducted a series of tests of the sensors in the annulus to confirm the reliability of the pressure readings at the well. The tests confirmed the annulus sensor is producing faulty readings. BSEE engineers agreed with the procedure and the conclusion of a faulty annulus pressure sensor. Over the next couple of days, Fieldwood Energy will begin procedures to temporarily abandon the well. This process will take about 2 weeks to

complete, and BSEE will require Fieldwood Energy to continue to monitor the casing pressure with an accurate sensor. As of August 17, there has been no loss of well integrity, and no pollution has been observed in the area.



IGEMS Image

### Wildland Fire Activity

Source: *Fire and Aviation Management Website - August 18, 2017*

### California

#### **South Fork Fire**

- Start Date: August 13
- Location: Yosemite National Park, CA (NPS)
- Burned Acres: 2,407 (+111)
- Containment: 7-percent (+2)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 512 (+162) / 57 (+9)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 1 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (+1) / 0 (no change)
- Containment Date: September 3

Comments: Fire behavior was described as active during this reporting period with running, torching, and spotting. Voluntary evacuations remain in place around Wawona, and trail closures are in effect. The fire continues to spread to the northeast and is threatening

archaeological sites, critical habitat for the Yosemite toad, communications infrastructure, rare plant life, and a local water intake.



IGEMS Image

## Washington

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 1,428 (+85)
- Containment: 24-percent (+2)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 470 (+16) / 130 (-1)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (+1) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as moderate during this reporting period with flanking, isolated torching, and short-range spotting. Additional perimeter spread is expected. The fire continues to threaten cultural and natural resources and has the potential to impact the Colville Tribe local government. The main transportation route to the Twin Lakes and Inchehlium areas may need to be closed during suppression activities over the next several days.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Keyhole Hammock	Miami-Dade, FL	NPS	4	1,600	50%	August 25
Nena Springs	Wasco, OR	BIA	3	46,000	40%	August 23

### Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center – August 18, 2017*

#### National Preparedness Level 5

#### National Fire Activity

Initial attack activity: Light (90 new fires)

New large fires: 6

Large fires contained: 3

Uncontained large fires: \*\* 27

Area Command Teams committed: 1

NIMOs committed: 2

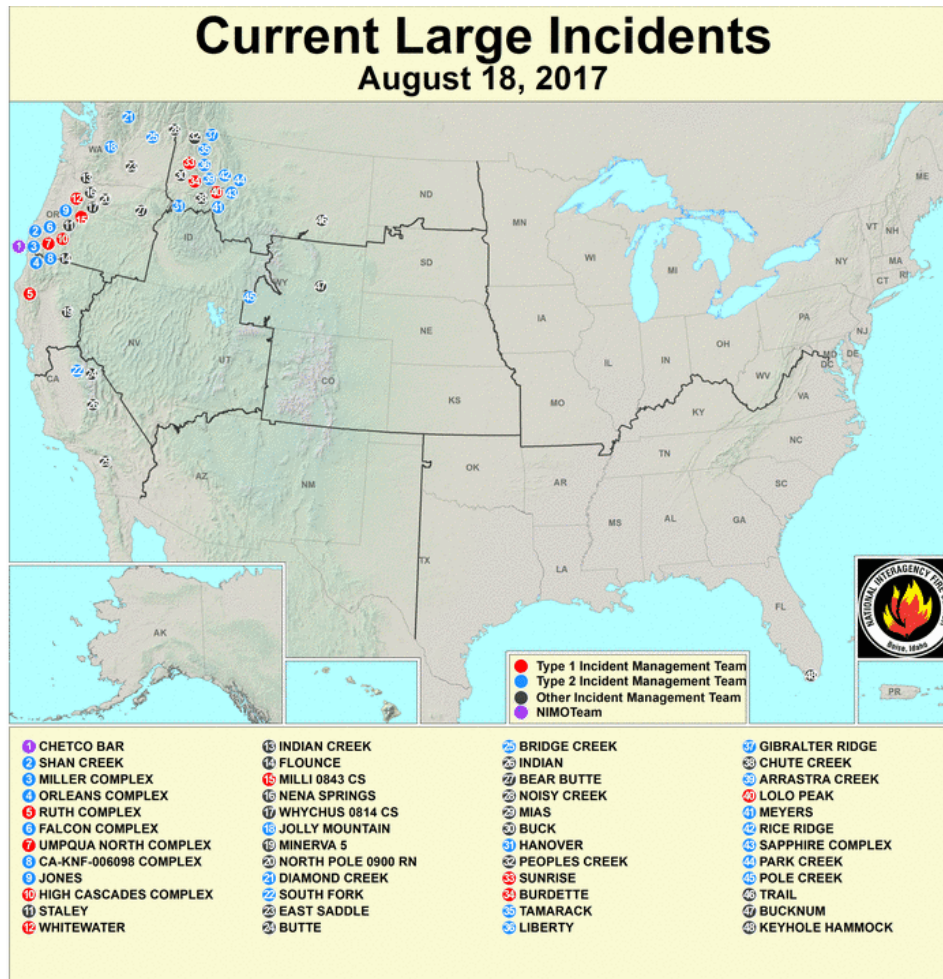
Type 1 IMTs committed: 9

Type 2 IMTs committed: 21

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 17, 2017

Alert Level = **WATCH**

Color Code = **ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period, but no activity was observed in seismic or satellite data during this reporting period. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period, but no significant activity was observed in seismic and infrasound data from the volcano. Weakly elevated surface temperatures were observed in partly cloudy satellite data on Thursday morning.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey – August 17, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.6 earthquake occurred on August 17 at 10:59 p.m. EDT, approximately 525 miles to the southwest of Greenville, Liberia in the central Atlantic Ocean. The earthquake occurred at a depth of 6.2 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. No tsunami was generated.

## **Significant National Weather**

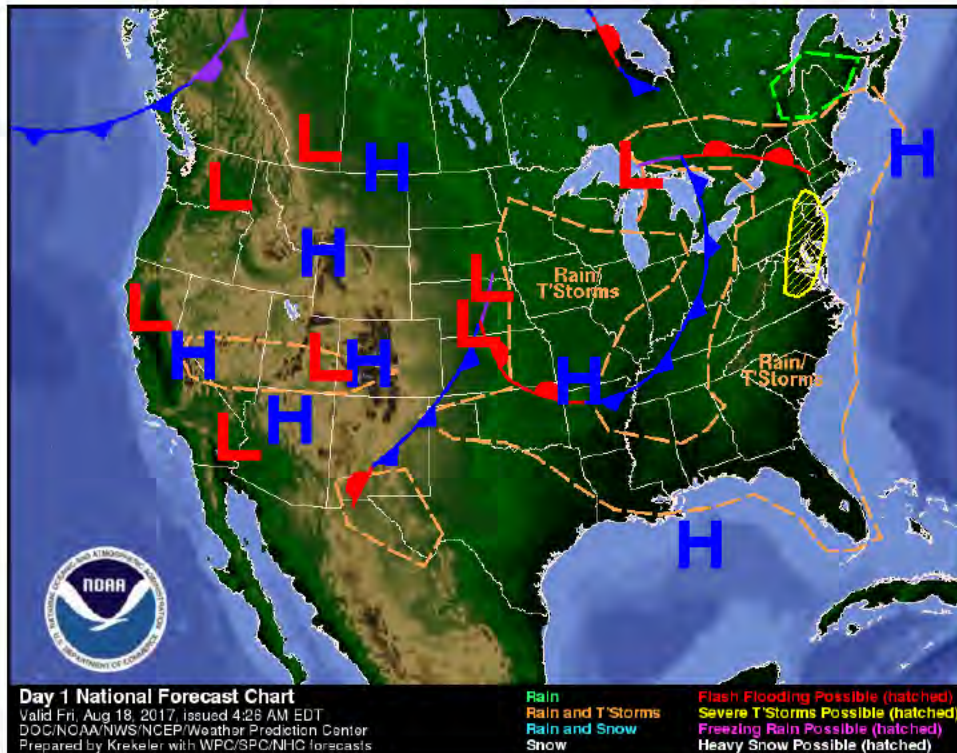
*Source: National Weather Service - August 18, 2017*

### **Today**

A surface low pressure system located over the upper Great Lakes is expected to track northeastward over the next couple of days. As it moves, its associated cold front will progress eastward through the Ohio Valley and into the Northeast and the mid-Atlantic tomorrow. Along this front, widespread showers and thunderstorms will be possible for much of the eastern U.S. There is a slight risk of severe weather as well as a slight risk for excessive rainfall and flash flooding for portions of the mid-Atlantic today. Severe wind gusts will also be possible, especially from the Chesapeake Bay vicinity northward into southern New York. Another surface low pressure system located in the central Plains will lead to scattered showers and thunderstorms for portions of the Plains today and into the Mississippi Valley by this evening. Heavy rain and some flash flooding is possible, particularly in portions of the southern Plains. Fair and dry weather is expected from the Rockies to the West Coast.

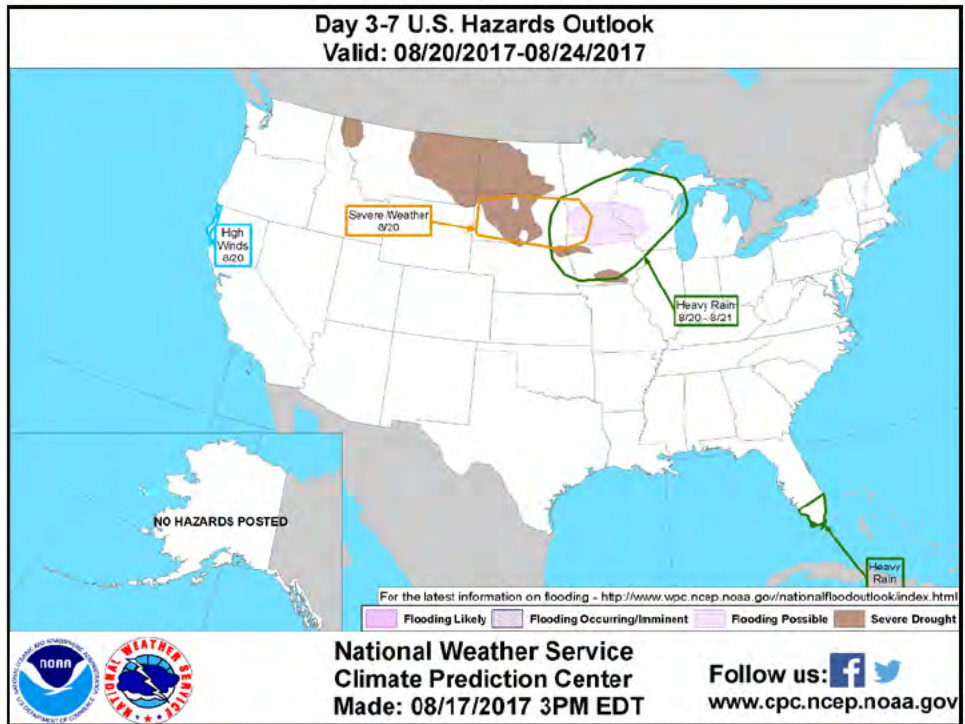
## Tomorrow

An upper-level low will move into the southwestern U.S. and bring monsoonal-like flow back to the region. This will lead to showers and thunderstorms for portions of the Southwest, the southern and central Rockies, and the southern and central High Plains. By tomorrow night, rain and thunderstorms will become more widespread. Some storms could contain heavy rain, and flash flooding is a possibility, particularly for parts of New Mexico, where there is a slight risk of flash flooding. Afternoon showers and thunderstorms are possible across the Gulf States.

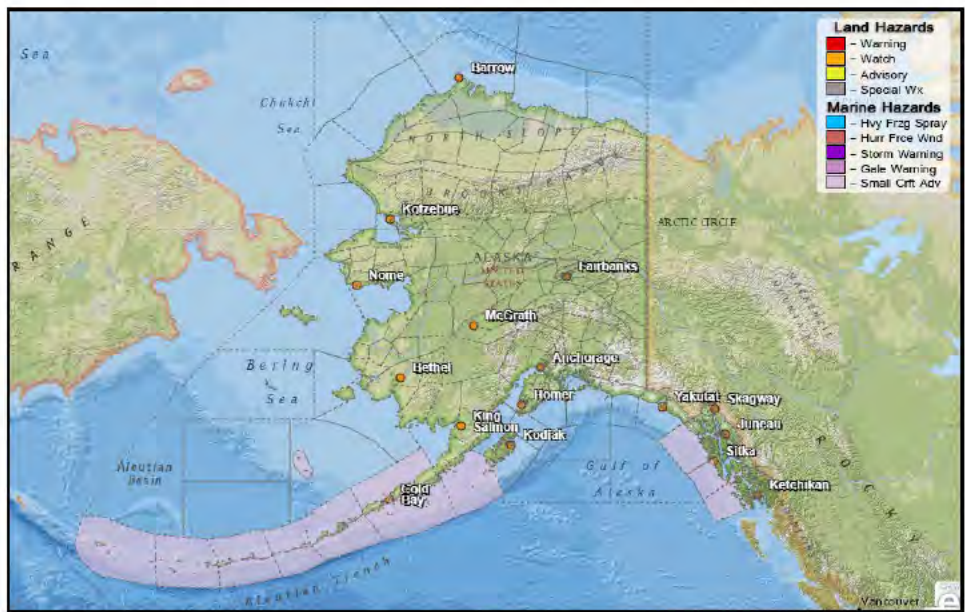


## Weather Hazard Assessment

- August 18: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, California, and Hawaii.
- August 18: Flooding is possible across parts of the upper Mississippi Valley.
- August 20: Severe weather for parts of the northern Plains and the middle Mississippi Valley.
- August 20: High winds for coastal portions of northern California.
- August 20-21: Heavy rain across portions of the upper and middle Mississippi Valley, the northern Plains, and the Great Lakes.
- August 24: Heavy rain across parts of southern Florida.

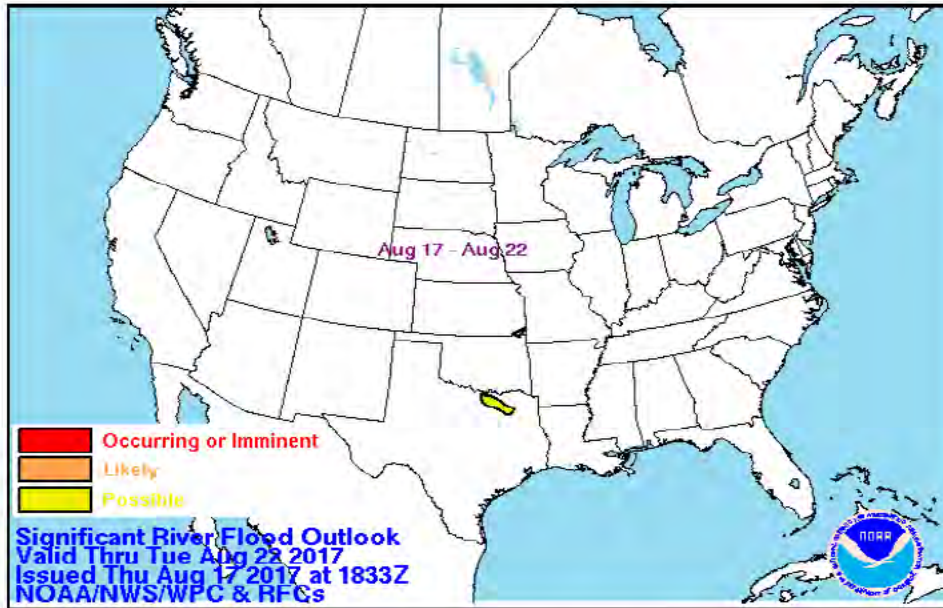


### Alaska Weather



A Small Craft Advisory is in effect for eastern portions of the Gulf of Alaska, the Pribilof Islands, and the Aleutian Islands.

## Significant River Flooding



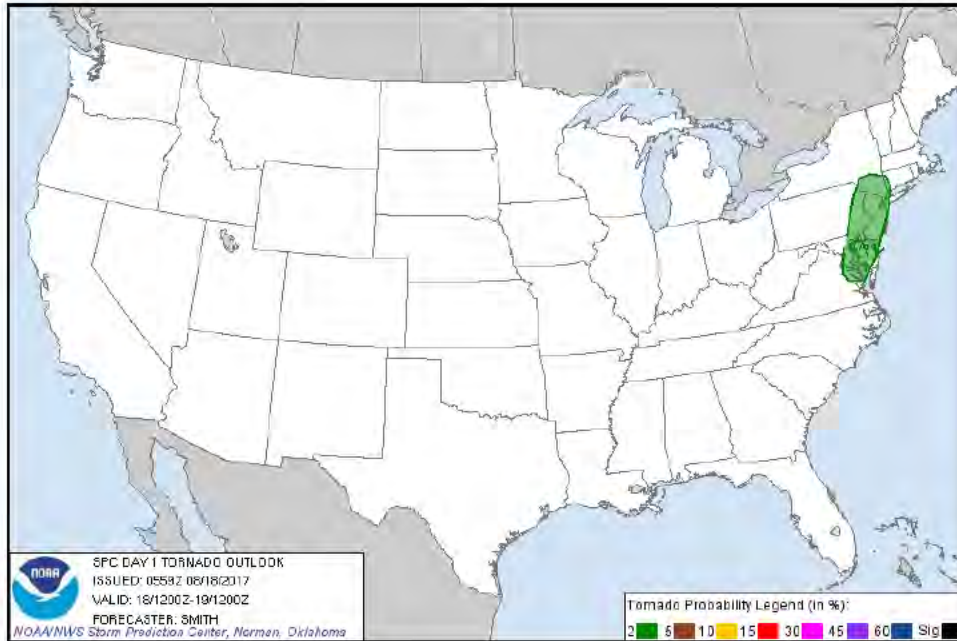
Significant River Flooding is possible in northeastern Texas, northeastern Oklahoma, and southeastern Kansas.

## Severe Weather



There is a Slight Risk of severe thunderstorm activity today from the lower Hudson Valley into central Virginia. There is a Marginal Risk of severe thunderstorms from the mid-Atlantic to Connecticut and New York, and from the middle and lower Mississippi Valley into Kansas and northern Texas.

## Tornado Weather



There is a 2-percent chance of tornado activity today from eastern Virginia to southeastern New York.

## Fire Weather

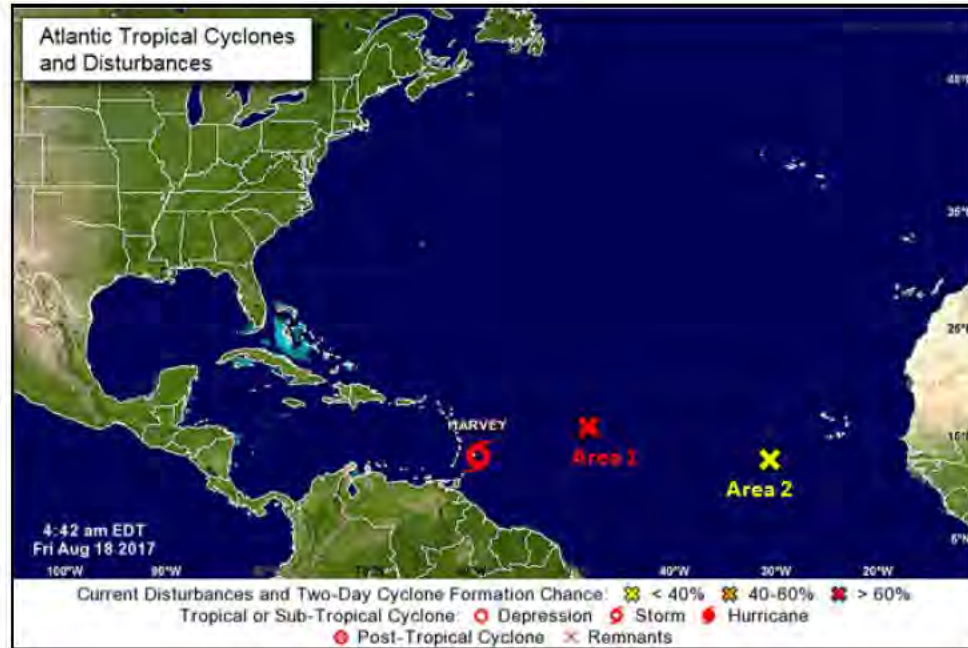


There is no Critical Fire Weather forecast for today across the U.S; however, Elevated Fire Weather is forecast for portions of Montana, Washington, northern Idaho, and north-central Oregon.

## **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – August 18, 2017*

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Area 1:** Shower and thunderstorm activity associated with an area of low pressure located about 900 miles east of the Leeward Islands, continues to show signs of organization. While this system does not yet appear to have a closed circulation, only a slight increase in organization could lead to the formation of a tropical depression before upper-level winds become less favorable for development early next week. The low is expected to move west-northwestward at about 20 miles per hour (mph) during the next few days, and interests in the northern Leeward Islands should monitor the progress of this disturbance. This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

**Area 2:** A tropical wave located over the far eastern Atlantic Ocean, a few hundred miles southwest of the Cabo Verde Islands, continues to produce disorganized showers and thunderstorms. Environmental conditions are forecast to become more favorable for some development early next week while the system moves west-northwestward to northwestward at about 20 mph. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

### **Tropical Storm Harvey**

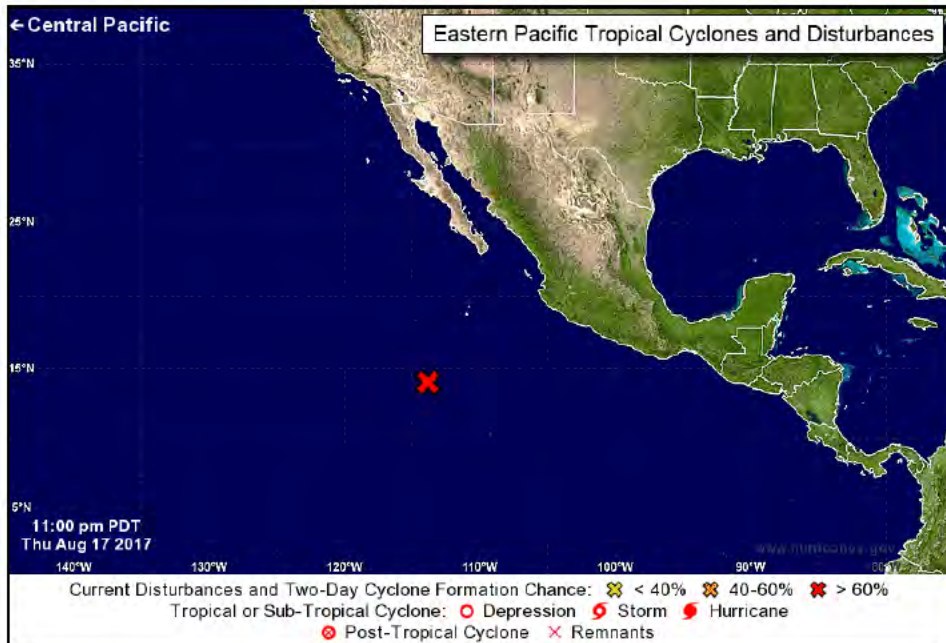
At 5:00 a.m. EDT, Tropical Storm Harvey was located 30 miles east-southeast of Barbados, and is moving toward the west at 18 mph. Harvey is expected to continue a westward motion with a slight increase in forward speed over the next couple of days. Maximum sustained winds are 40 mph, with higher gusts, and strengthening is possible during the next 48 hours. On the forecast track, Harvey should move through the Windward Islands and into the eastern Caribbean Sea later today. Tropical-storm-force winds extend outward up to 60 miles, mainly to the north of

the storm's center. A Tropical Storm Warning is in effect for Martinique, St. Lucia, Barbados, St. Vincent, and the Grenadines, and a Tropical Storm Watch is in effect for Dominica.



HURREVAC Image

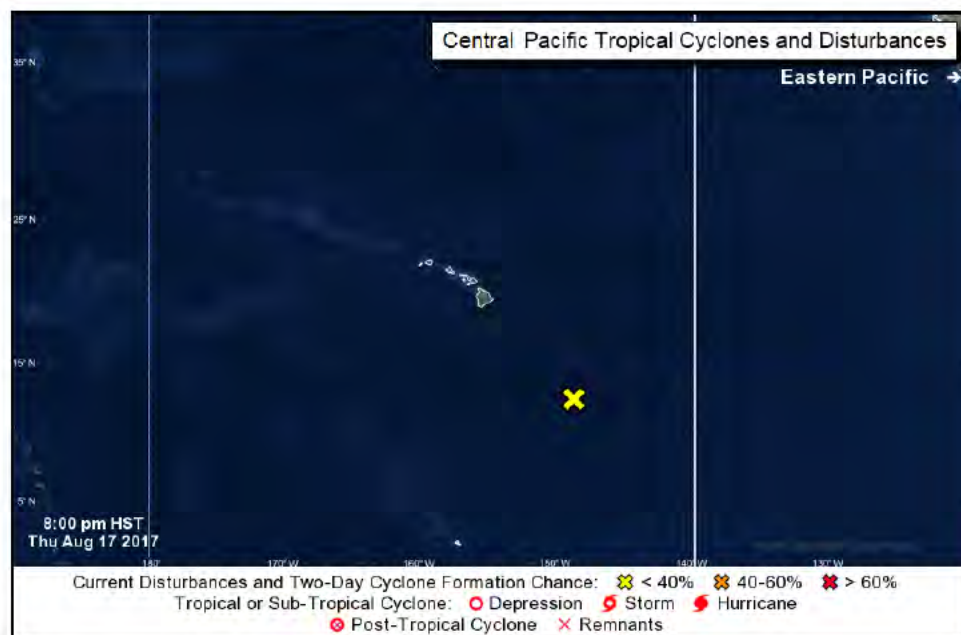
### Eastern Pacific Ocean





Satellite images indicate that shower and thunderstorm activity associated with a low pressure area located about 650 miles south-southwest of the Baja California, Mexico, has increased since yesterday. Environmental conditions are conducive for this system to develop into a tropical cyclone at any time over the next day or so, while it moves west-northwestward at about 15 mph. This system has a 90-percent chance of developing into a tropical cyclone over the next 48 hours.

### Central Pacific Ocean



Showers and thunderstorms associated with an area of low pressure located around 600 miles southeast of Hilo, Hawaii, remain disorganized. Environmental conditions are expected to become less conducive for development over the next few days due to a combination of dry upper-level air and increasing upper-level winds as the system drifts toward the west-northwest. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

### Other News and Notes

#### Multiple Attacks - Spain

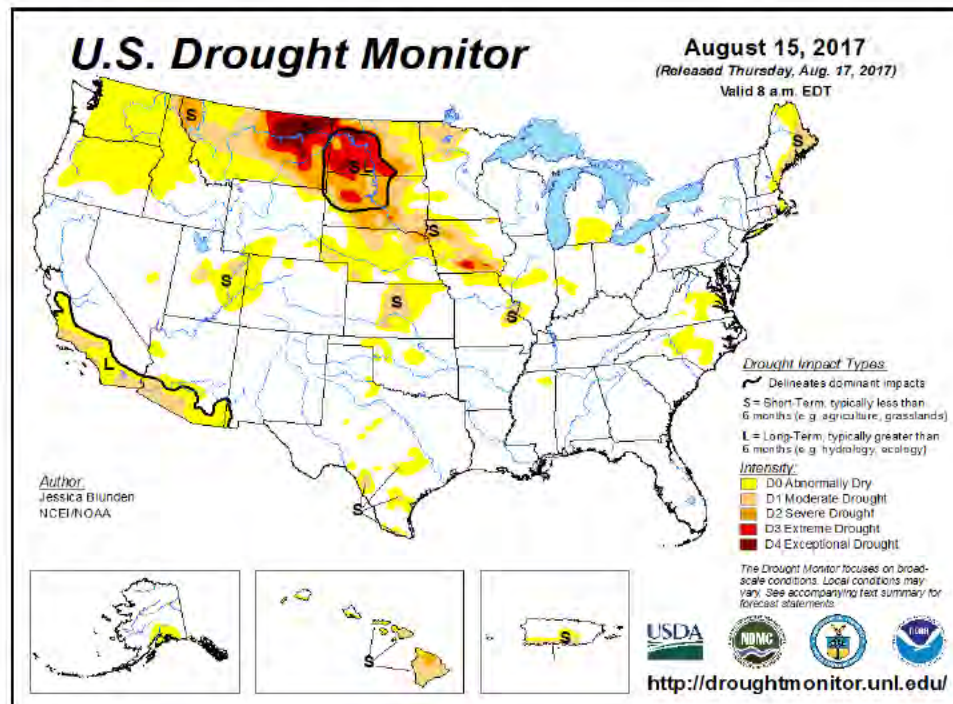
Source: Department of Homeland Security National Operations Center - August 18, 2017

Local media sources and Spanish authorities report that multiple attacks have occurred in the Spanish cities of Barcelona, Cambrils, and Alcanar. Vehicles were reportedly used to strike pedestrians in Barcelona and Cambrils, and an explosion occurred in Alcanar. Authorities believe that all three attacks could be linked. The U.S. Consulate in Barcelona reports that all mission personnel are accounted for. The following updates have been provided for the three Spanish cities:

- **Barcelona:** Media sources report 13 fatalities and over 100 injuries (one U.S. citizen with minor injuries) after a rental van struck pedestrians in a local tourist area. Two suspects were arrested, but the driver of the van remains at-large. Media reports indicate that ISIS has claimed responsibility for this attack.
- **Cambrils:** Media sources report that a rental van struck pedestrians in the resort town of Cambrils. Spanish police engaged five suspects, and all the suspects were killed. The suspects were reportedly all wearing suicide explosive belts. Six people were reportedly injured (five local citizens and one police officer).
- **Alcanar:** Spanish police report that an explosion occurred at a residence, and one suspect was arrested who was reportedly connected to the Barcelona attack. There was one fatality and one injury (suspect).

## U.S. Drought Monitor

*Source: National Drought Mitigation Center - August 17, 2017*



Temperatures were cooler than average for much of the contiguous U.S. this week. Only Washington and Oregon saw temperatures more than 4 degrees above average for the period. With the below-average temperatures came a significant amount of rain in some regions, notably across northern Texas and much of Oklahoma, where rainfall exceeded 600-percent more than normal for this time of year. There was also substantial rainfall in parts of Wyoming, Nebraska,

the Dakotas, and the Southeast. Rainfall was below average in southern Texas, parts of the Midwest, the Northeast, and the Northwest, particularly in Montana where wildfires are prevalent.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Monday, August 21, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

**Fieldwood Green Canyon Block 200 Well Pressure Increase – Gulf of Mexico**

*Source: DOI Bureau of Safety and Environmental Enforcement – August 18, 2017*

On July 28, the Fieldwood Energy, LLC well site, referred to as Green Canyon Block 200, reported an increase in pressure readings. The well, located to the south of Houma, Louisiana, has been “shut-in” since 2009. Between May 1 and August 17 of this year, sensors at the well indicated that the casing pressure rose from 2,197 pounds per square inch (PSI) to 10,009 PSI. The well infrastructure has a pressure rating of 10,000 PSI. Fieldwood Energy conducted a series of tests and confirmed that the annulus sensor was producing faulty readings. Fieldwood replaced the faulty sensor and the alternate sensor's reading was zero, and has remained at that level.

Due to this satisfactory reading of well pressure, the Bureau of Safety and Environmental Enforcement (BSEE) is no longer monitoring this event and has recalled its personnel. All other resources have been or are in the process of being returned to homeport.



IGEMS Image

### Wildland Fire Activity

Source: Fire and Aviation Management Website - August 21, 2017

### California

#### **South Fork Fire**

- Start Date: August 13
- Location: Yosemite National Park, CA (NPS)
- Burned Acres: 3,191 (+784)
- Containment: 10-percent (+3)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 758 (+246) / 65 (+8)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 2 (+1)
- Evacuations / Shelter in place: 85 (+85) / 17 (+17)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: September 3

Comments: Fire behavior was described as moderate during this reporting period with running, backing, and isolated torching. Mandatory evacuations are in place around Wawona. An additional 250 non-residential structures, including National Park Service (NPS) administrative facilities and the Mariposa Grove of Giant Sequoias, are also threatened.



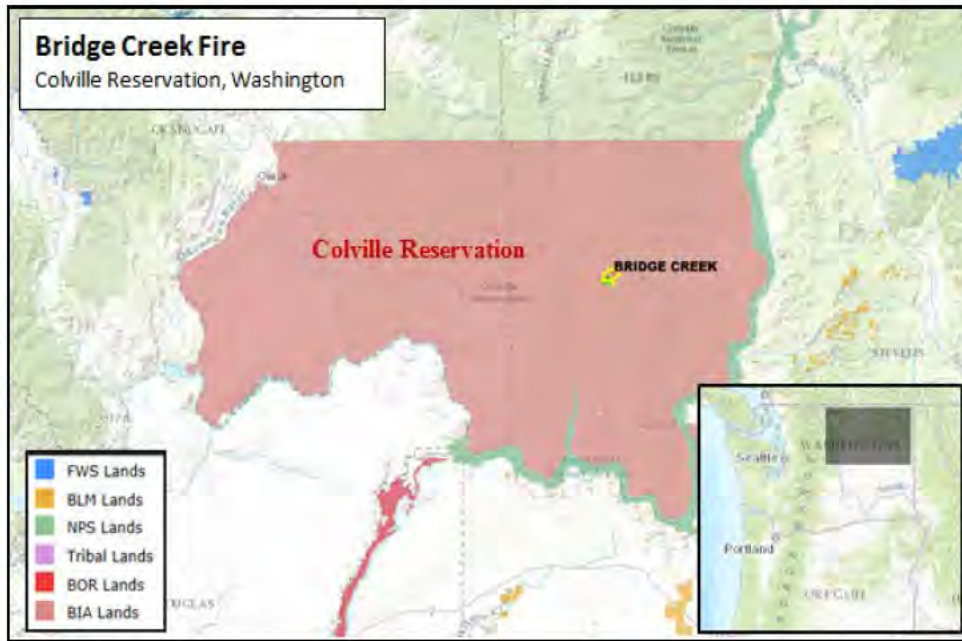
IGEMS Image

## Washington

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 2,015 (+587)
- Containment: 29-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 427 (-43) / 64 (-66)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as active during this reporting period with backing, group torching, and short-range spotting. The fire is active in the interior and the edges. The fire continues to threaten cultural and natural resources and has the potential to impact the Colville Tribe local government. Smoke from the fire and burnout is impacting the main transportation route, residents, and visitors in the Twin Lakes area.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Keyhole Hammock	Miami-Dade, FL	NPS	4	1,702	90%	August 25
Wolverine	Glacier, MT	BIA	4	3,035	39%	August 25
Sprague	Flathead, MT	BIA	3	1,123	0%	November 1
Nena Springs	Wasco, OR	BIA	3	68,135	60%	August 23
Puddle	Tooele, UT	BLM	4	1,400	0%	August 21

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 21, 2017

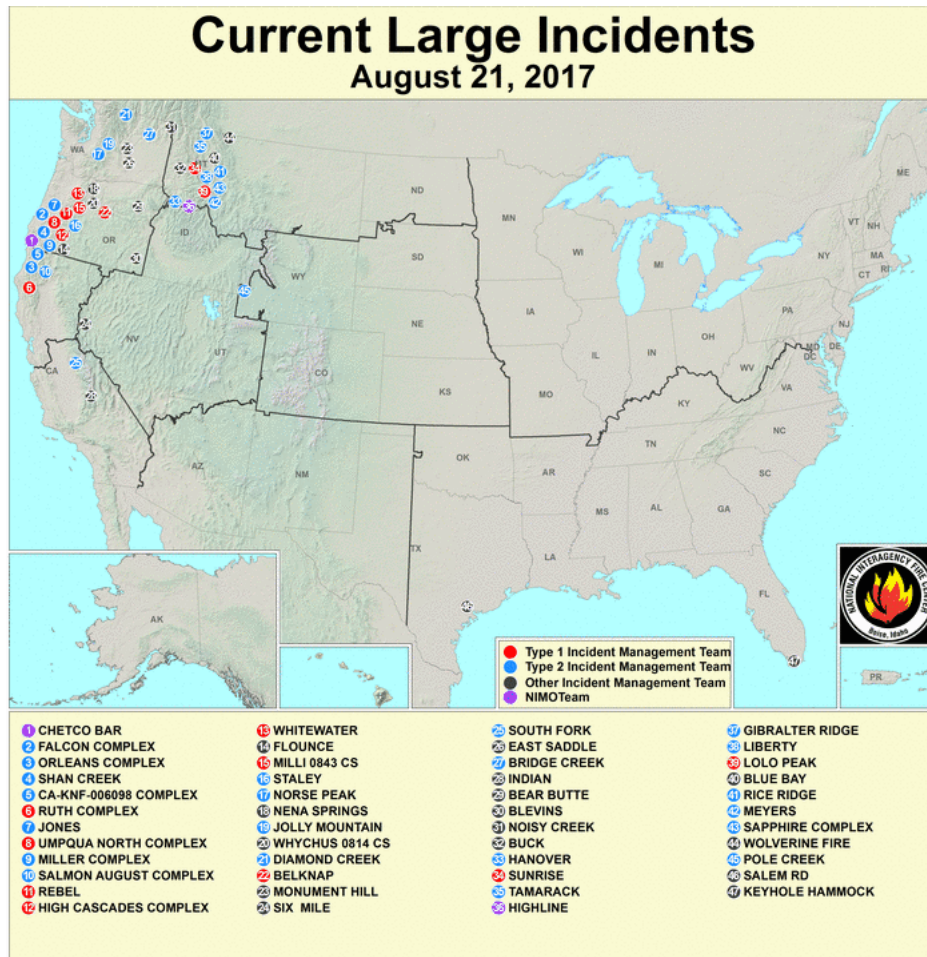
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (92 new fires)
New large fires:	5
Large fires contained:	0
Uncontained large fires: **	25
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	7
Type 2 IMTs committed:	22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map





## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period, but no significant activity was observed in seismic data. Weakly elevated surface temperatures, consistent with a warm lake, were observed in one satellite image. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period, but no significant activity was observed in seismic and infrasound data from the volcano. Elevated surface temperatures and a short plume were observed in satellite data, while web camera images showed light degassing during the reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. There have been no significant changes in deformation or seismic activity across the volcano.

## **Significant National Weather**

*Source: National Weather Service - August 21, 2017*

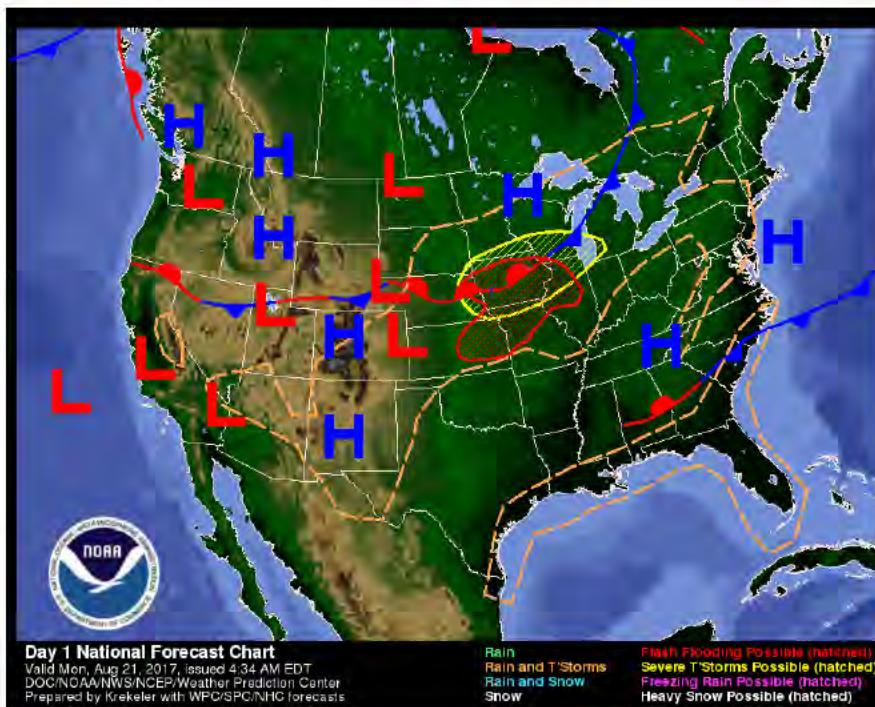
### **Today**

Scattered showers and thunderstorms will develop from the Southeast coastal region across Florida, then along the Gulf coastal region to Texas. Rain and thunderstorms will also develop over portions of the mid-Atlantic, southern Appalachians, and the Northeast. Additional rain and thunderstorms are expected from eastern Canada and the eastern Great Lakes to the Midwest and the central Plains. Severe thunderstorms are forecast to impact parts of the middle Missouri Valley, the middle to upper Mississippi Valley, and the western Great Lakes this afternoon into

tonight. All severe hazards will be possible with the storms this afternoon within the western part of the Slight risk area, including very large hail and an isolated tornado threat. Damaging winds should become the primary threat through the evening and tonight. Additionally, rain will be heavy across portions of the Midwest and central Plains where there will be the threat of flooding and flash flooding. This afternoon and evening showers and thunderstorms will develop across portions of the Four Corners and the central Sierras. The total solar eclipse will begin in Lincoln Beach, Oregon at 10:16 a.m. PDT. It will then move toward the East Coast, and end near Columbia, S.C. at about 2:44 p.m. EDT.

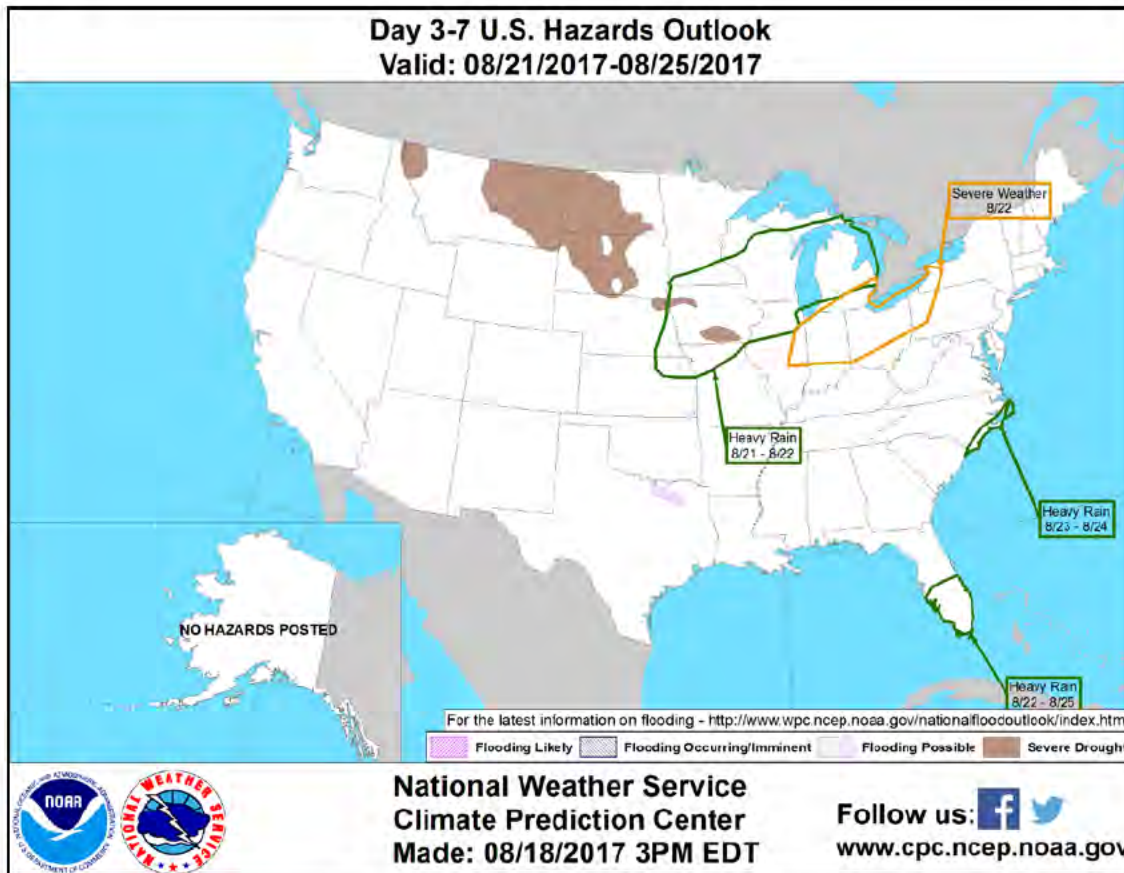
### Tomorrow

Showers and thunderstorms will develop from the South Carolina coast to the Florida Panhandle, the Mississippi Delta region, and the eastern Texas Gulf region. Additional showers and thunderstorms will be found across portions of southern Florida. Widespread rain and thunderstorms are expected from New England across the Northeast to the Ohio Valley, the middle Mississippi Valley, and the southern Plains. Severe thunderstorms, accompanied mainly by the risk for potentially damaging wind gusts, will be possible tomorrow afternoon and evening across the lower Great Lakes region, the Ohio Valley, and parts of the Northeast. Scattered strong thunderstorms may also impact parts of the Ozark Plateau into the south central Plains, with at least some risk for severe weather. Heavy rain along with flash flooding is possible from central Oklahoma to northwestern Arkansas. Elsewhere, afternoon and evening showers and thunderstorms will develop across parts of the southwestern Plains, New Mexico, and Colorado. More showers and thunderstorms are possible for the Sierras and parts of the Great Basin.



## Weather Hazard Assessment

- August 21-22: Heavy rain across portions of the central Plains, the middle and upper Mississippi Valley, and the Great Lakes.
- August 22: Severe weather across portions of the Great Lakes and the Ohio Valley.
- August 22-25: Heavy rain across portions of Florida.
- August 23-24: Heavy rain across portions of the eastern Carolinas.
- August 27-29: Moderate risk of much above-normal temperatures for portions of the northern Rockies and the northern Great Basin.
- August 27-September 1: Slight risk of much above-normal temperatures for portions of the Great Basin, the northern Plains, the northern Rockies, California, the Pacific Northwest, and the Southwest.

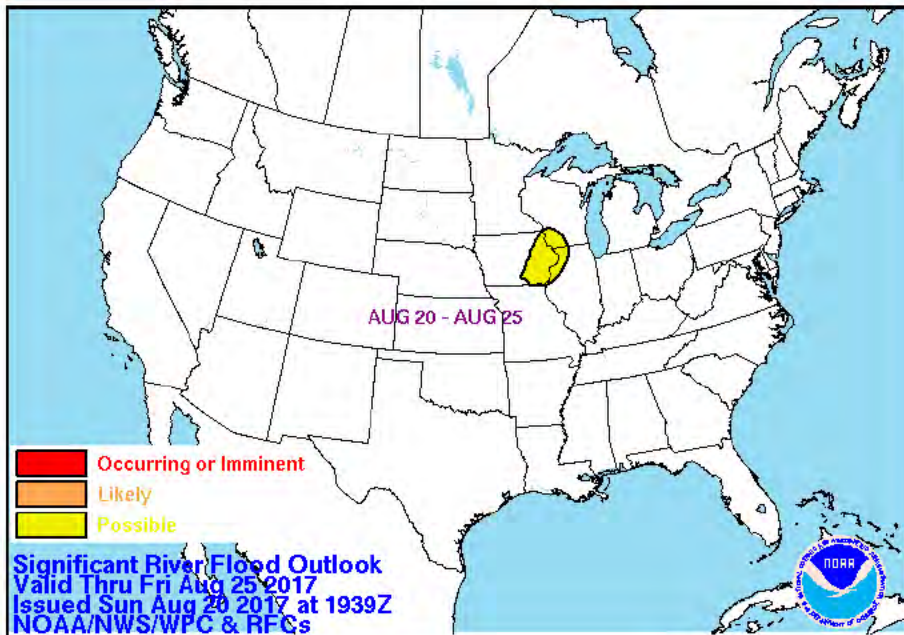


## Alaska Weather



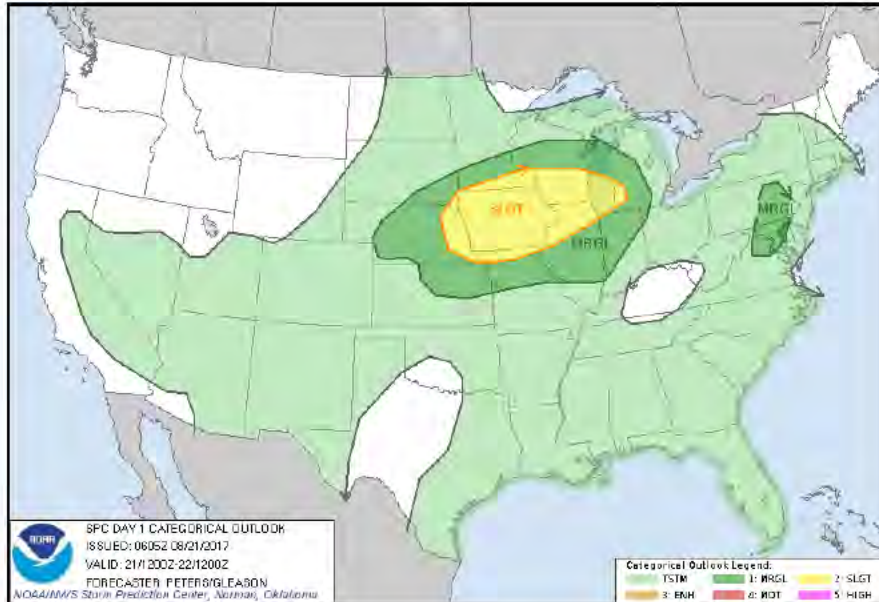
A Small Craft Advisory is in effect for portions of the western and eastern Aleutian Islands, the western and eastern Gulf of Alaska, the Kuskokwim Delta and Etolin Strait, Bristol Bay, the Shelikof Strait, from Dall Point to Point Franklin, and from Flaxman Island to Demarcation Point. A Gale Warning is in effect for portions of the Gulf of Alaska, from Sitkinak to Castle Cape and from the Barren Islands East to Cape Suckling.

## Significant River Flooding



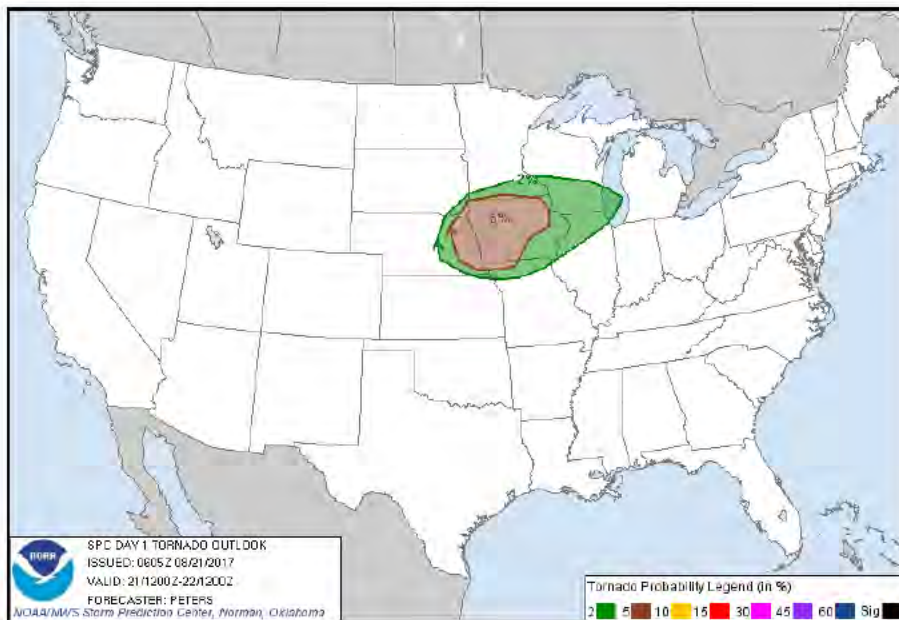
Significant River Flooding is possible in eastern Iowa, southwestern Wisconsin, and northwestern Illinois.

### Severe Weather



There is a Slight Risk of severe thunderstorm activity today from part of the middle Missouri Valley to the southwest Great Lakes Region. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area, from the central Plains to the Midwest, western Great Lakes. There is an additional area with Marginal Risk from northern Virginia to eastern Pennsylvania.

### Tornado Weather



There is a 5-percent chance of tornado activity from eastern Nebraska to Iowa. There is a 2-percent chance of tornado activity today from eastern Nebraska to Iowa, southern Minnesota, southern Wisconsin, northern Missouri, and northwestern Illinois.

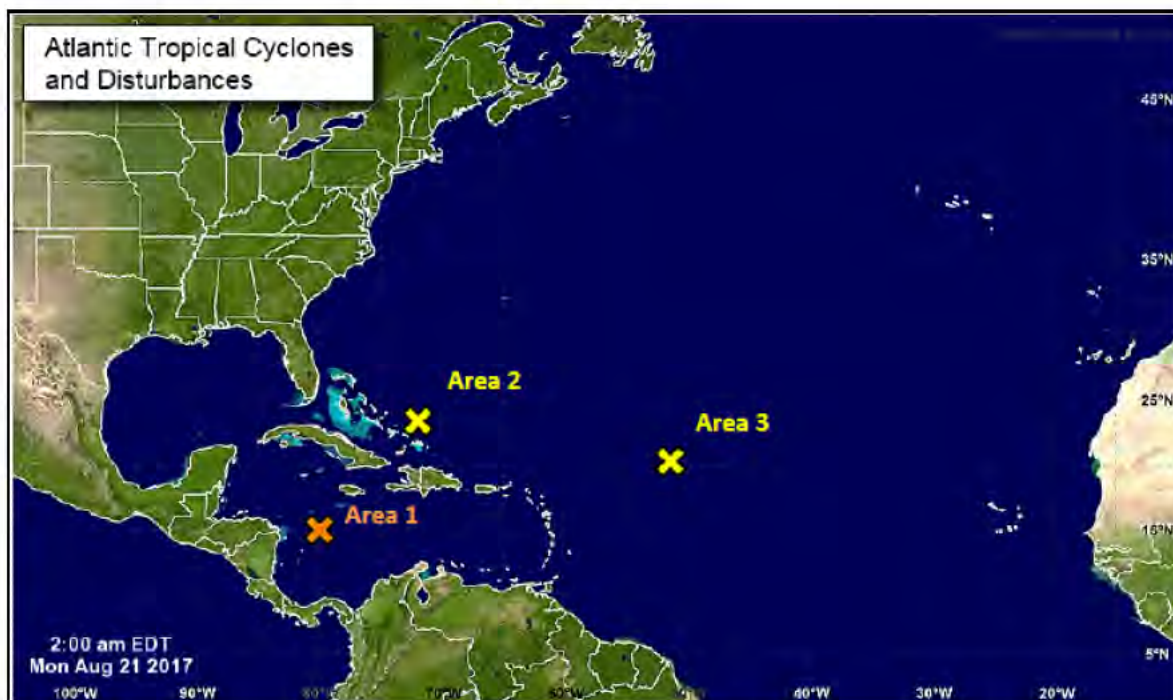
### **Fire Weather**

There is no Critical Fire Weather forecast for today across the U.S.

### **Tropical Weather Activity**

Source: *National Weather Service/National Hurricane Center – August 21, 2017*

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Area 1:** A trough of low pressure, associated with the remnants of Harvey, is producing a large area of cloudiness and disorganized thunderstorms over the west-central Caribbean Sea. Some development of this system is still possible before it reaches the coast of Belize or the Yucatan Peninsula early Tuesday. The disturbance is forecast to move into the Bay of Campeche early Wednesday, where environmental conditions are expected to be more conducive for redevelopment. Regardless of development, locally heavy rainfall and gusty winds are likely to spread westward across northern Nicaragua, Honduras, Belize, and the Yucatan Peninsula during the next couple of days. This system has a near 50-percent chance of formation over the next 48 hours.

**Area 2:** A trough of low pressure located a couple of hundred miles north-northeast of the southeastern Bahamas is producing disorganized showers and thunderstorms that extend southeastward toward Puerto Rico. Environmental conditions are expected to be unfavorable for development of this system during the next day or so, while it moves west-northwestward at

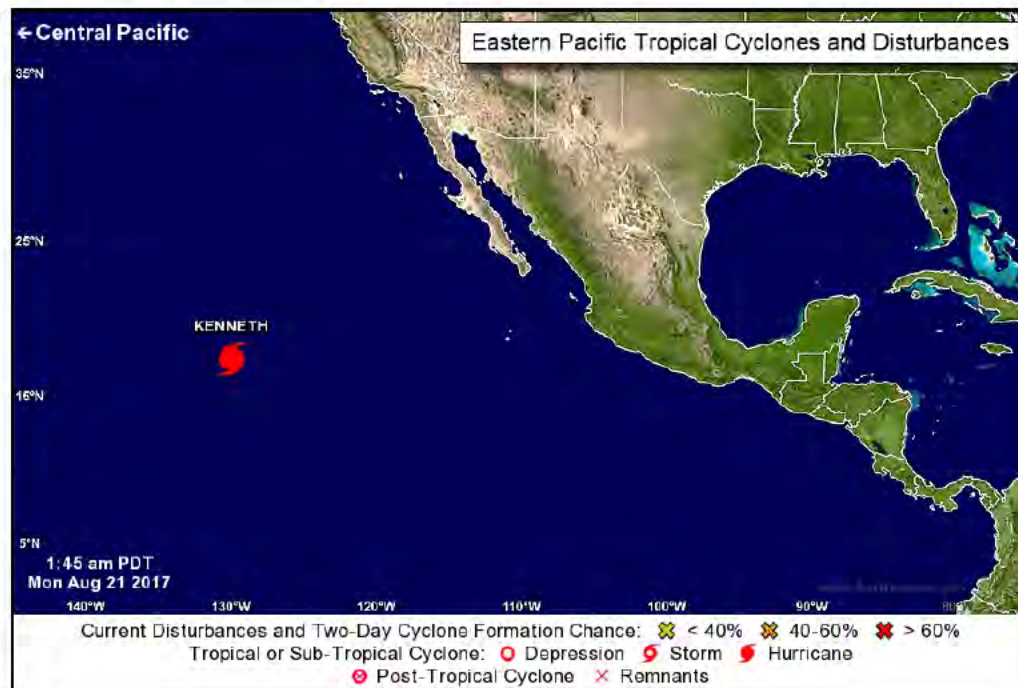
about 15 miles per hours (mph) toward the northern Bahamas and southern Florida. Conditions could become a little more conducive for development later in the week when the system is near Florida or the adjacent waters of the western Atlantic or eastern Gulf of Mexico. This system has a near 10-percent chance of formation over the next 48 hours.

**Area 3:** A large area of cloudiness and disorganized thunderstorms located about 900 miles east-northeast of the northern Leeward Islands, is associated with a surface trough that is interacting with a large upper-level low over the central Atlantic. Upper-level winds are not conducive for development of this system while it moves northwestward over the central Atlantic at 10 to 15 mph. This system has a near 0-percent chance of formation over the next 48 hours.

## Eastern Pacific Ocean

### Hurricane Kenneth

At 5:00 AM EDT, the center of Hurricane Kenneth was located about 1,355 miles west-southwest of the southern tip of Baja California. A turn toward the northwest, then north-northwest is expected over the next couple of days. Maximum sustained winds have increased to near 130 mph, with higher gusts. Kenneth is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Additional strengthening is possible this morning, before weakening begins tonight. Hurricane-force winds extend outward up to 30 miles from the center and tropical-storm-force winds extend outward up to 105 miles.





*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, August 22, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 22, 2017*

The **Keyhole Hammock Fire** (Florida) and the **Puddle Fire** (Utah) reached 100-percent containment; therefore, the fires will no longer be summarized in this report. The **Sprague Fire** (Montana) is no longer managed under a full suppression strategy and will not be summarized.

## California

### **South Fork Fire**

- Start Date: August 13
- Location: Yosemite National Park, CA (NPS)
- Burned Acres: 3,473 (+282)
- Containment: 17-percent (+7)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 765 (+7) / 53 (+12)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 2 (No Change)
- Evacuations / Shelter in place: 85 (no change) / 0 (-17)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 3 (no change) / 0 (no change)
- Containment Date: September 3

Comments: Fire behavior was described as moderate during this reporting period with backing, creeping, and isolated torching. In addition to the radio and telecommunications site on Wawona Point, the fire continues to threaten Wawona, resulting in the mandatory evacuations in effect throughout the week. An additional 250 non-residential structures, including National Park Service (NPS) administrative facilities and the Mariposa Grove of Giant Sequoias are also threatened. Select trail and area closures remain in effect.



IGEMS Image

## Washington

### Bridge Creek Fire

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 2,275 (+260)
- Containment: 29-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 454 (+27) / 64 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: August 31

Comments: Fire behavior was described as active during this reporting period with backing, isolated torching, and flanking. If the fire moves over the ridge it could affect the Twin Lakes recreation area, infrastructure, and private structures to the northeast. Smoke from the fire and burnout is affecting the main transportation route, residents, and visitors in the Twin Lakes area. Temporary road closures are in place along Upper Bridge Creek road due to smoke and rocks.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	50%	August 25
Dud	Powder River, MT	BLM	4	1,000	0%	August 24
Nena Springs	Wasco, OR	BIA	3	68,135	60%	August 23

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 22, 2017

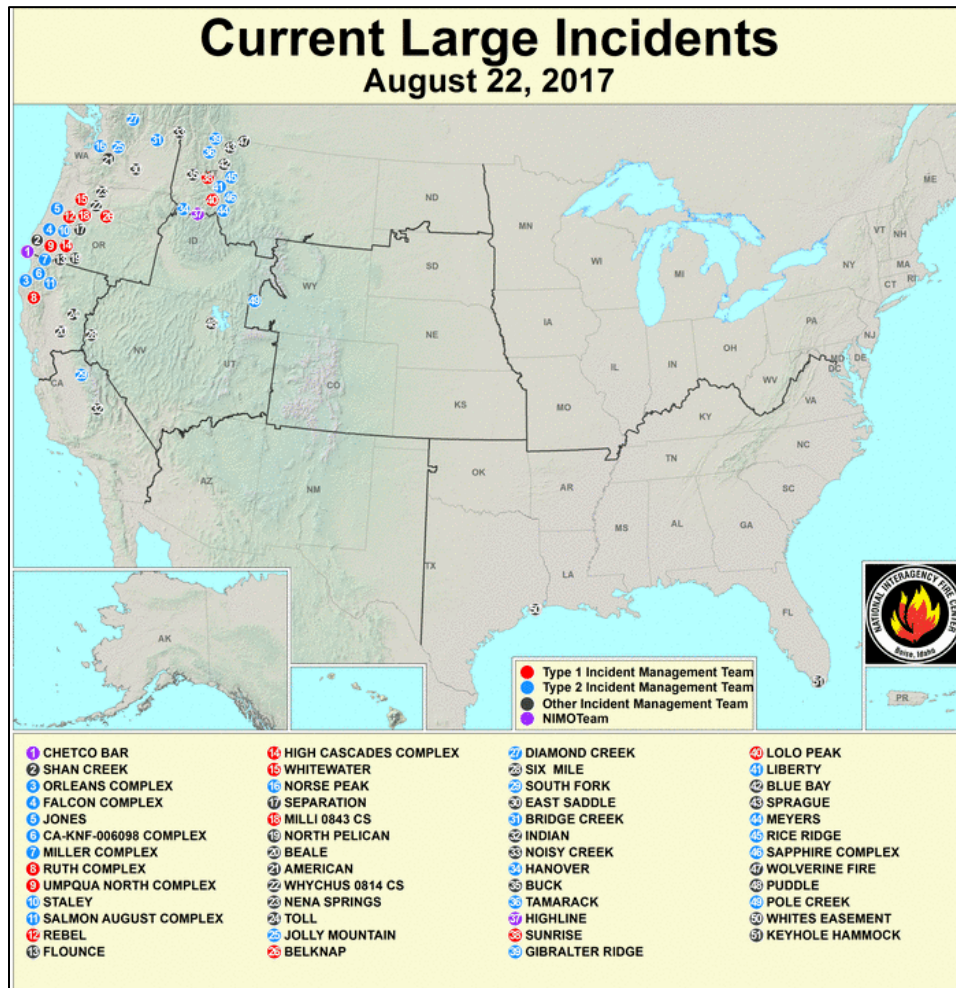
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (127 new fires)
New large fires:	6
Large fires contained:	6
Uncontained large fires: **	20
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	7
Type 2 IMTs committed:	22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period, but no significant activity was observed in seismic or infrasound data. Satellite data confirmed the presence of a lava dome approximately 125 meters in diameter within the intra-island lake just west of the 1992 lava dome. A cold volcanic cloud was also observed in satellite data, extending about 33 miles south of Bogoslof Island, and likely represents the steam plume from the lava dome. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Elevated surface temperatures were observed in satellite data from the summit, and web camera images showed light degassing from the summit on Sunday evening.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows pose no threat to nearby communities. The summit lava lake level dropped over the weekend, in concert with deflationary tilt, and was lower than 130 feet below the rim of the Overlook Crater on Monday morning. There have been no significant changes in deformation or seismic activity across the volcano.

## ***Significant National Weather***

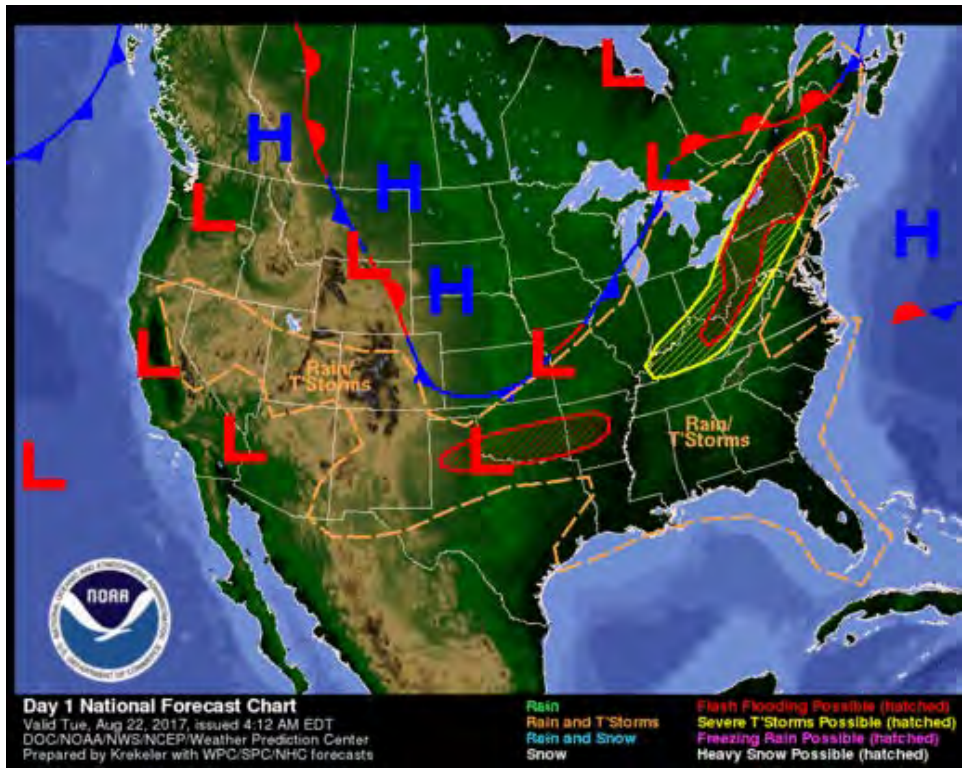
*Source: National Weather Service - August 22, 2017*

### **Today**

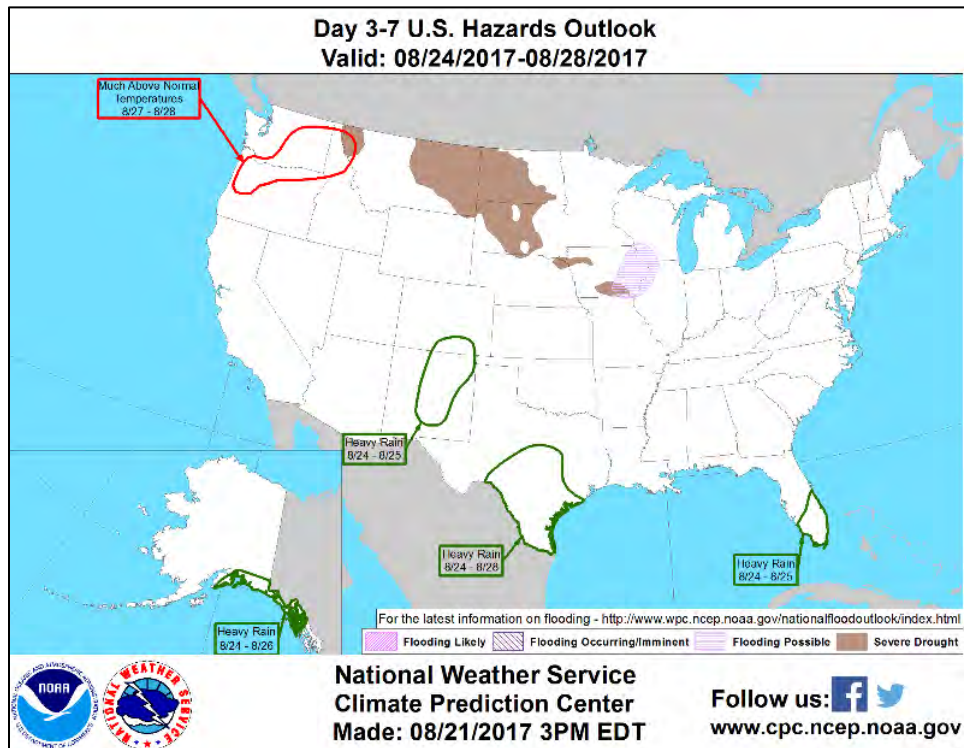
A warm front will extend from northern Maine to an area of low pressure over the northern Great Lakes. Another frontal system will drop out of the low to the central Plains, then swing northward up along the lee of the Rockies. Rain and thunderstorms will develop from New England down the Ohio Valley to the southern Plains, the lower Mississippi Valley, the Deep South, and the Southeast. Severe thunderstorms are possible this afternoon and evening across the lower Great Lakes region and Ohio Valley into parts of the Northeast, accompanied mainly by the risk for damaging wind gusts. A tornado threat also exists today from Pennsylvania into eastern New York and western Vermont. Scattered strong thunderstorms may also impact parts of the Ozark Plateau into the south central Plains, with at least some risk for severe weather. Rain and flash flooding are also expected to develop from the upper Ohio Valley to portions of New England. Additional rain and flash flooding are possible from the Texas Panhandle eastward into central Arkansas. Afternoon and evening showers and thunderstorms will develop across portions of the Four Corners, the Great Basin, and the Sierras.

### **Tomorrow**

A cold front will stretch from New England south through the mid-Atlantic into the southern Appalachians, the lower Mississippi Valley, the southern Plains, and the northern Rockies. Rain and thunderstorms will develop from the New England coast south through the mid-Atlantic to the Carolinas, into the Southeast, the deep South, the lower Mississippi Valley, and Texas. Heavy rain and flash flooding will develop from southeast Virginia to northeast South Carolina. Strong thunderstorms may impact the southern mid Atlantic Coast region Wednesday afternoon and evening, accompanied by some risk for severe weather. Scattered rain showers will be possible for portions of Minnesota and Wisconsin. Monsoonal related afternoon and evening showers and thunderstorms will develop across portions of the Four Corners, the Rockies, and the northern Great Basin. Heavy rain and flash flooding will be possible across south-central New Mexico. Elsewhere, a frontal system pushing into the Northwest will produce some light rain showers over western Washington State.



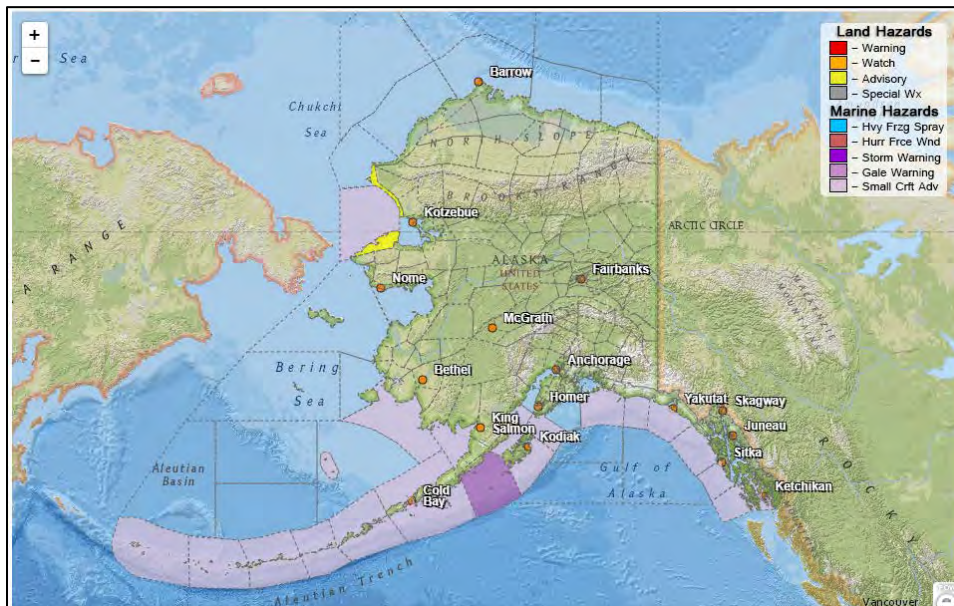
### Weather Hazard Assessment



- August 22: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, and Hawaii.
- August 22: Flooding is possible for parts of the middle Mississippi River Valley.
- August 24-25: Heavy rain forecast for southern Florida.
- August 24-25: Locally heavy rain for parts of southern Colorado and New Mexico.
- August 24-26: Heavy rain from the southern Kenai Peninsula to the northern Alaska Panhandle.
- August 24-28: Heavy rain for the lower Texas Gulf Coast, the lower and middle Rio Grande Valley, and southern Texas.
- August 27-28: Much above-normal temperatures for parts of the Pacific Northwest and the northern Rockies.

## Alaska Weather

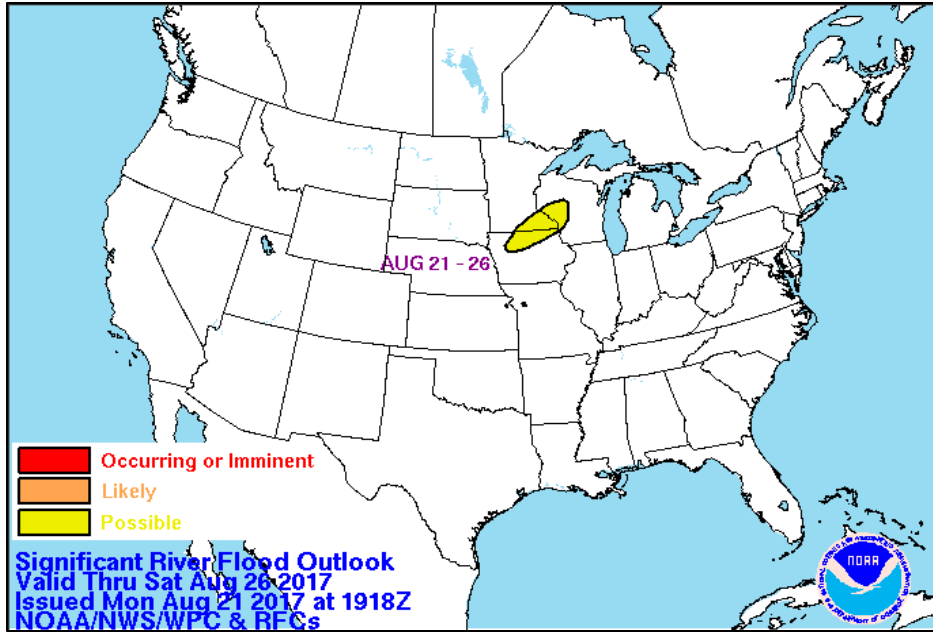
A Small Craft Advisory is in effect for the Aleutian Islands, the majority of the Gulf of Alaska, the Kuskokwim Delta and Etolin Strait, Bristol Bay, the Shelikof Strait, the Pribilof Islands, and from Wales to Cape Thompson. A Gale Warning is in effect from Sitkinak to Castle Cape. A High Surf Advisory is in effect along Point Hope and Shishmaref.



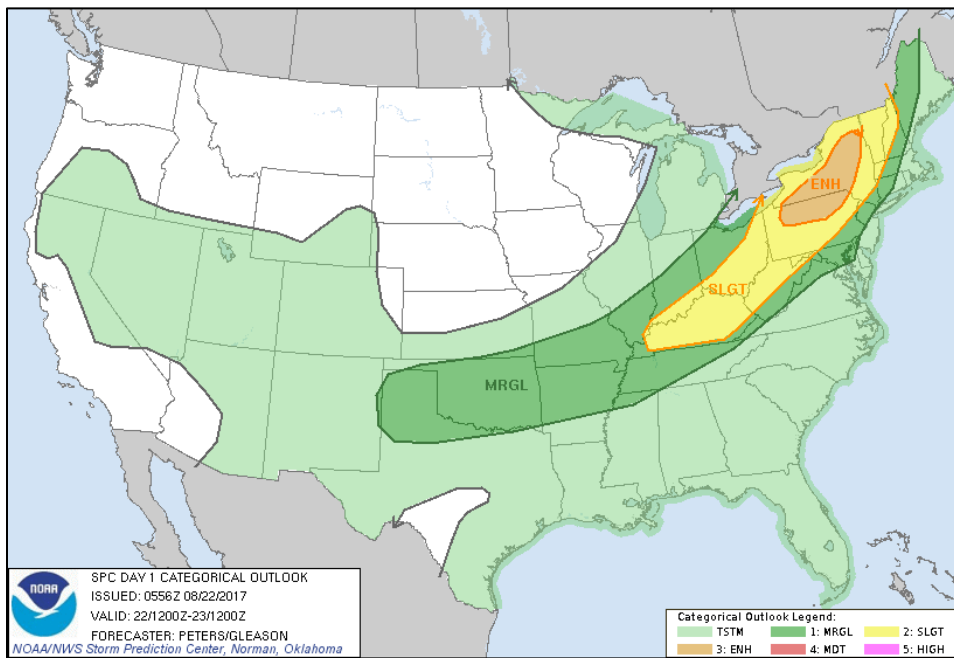
## Significant River Flooding

Significant River Flooding is possible across portions of northern Iowa, western-central Wisconsin, and southeastern Minnesota.



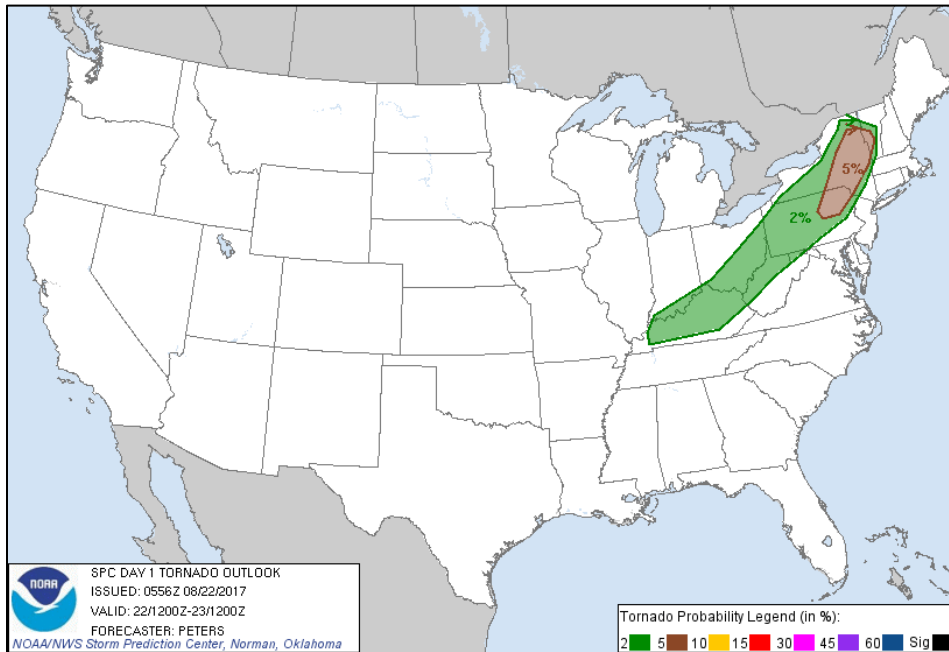


**Severe Weather**



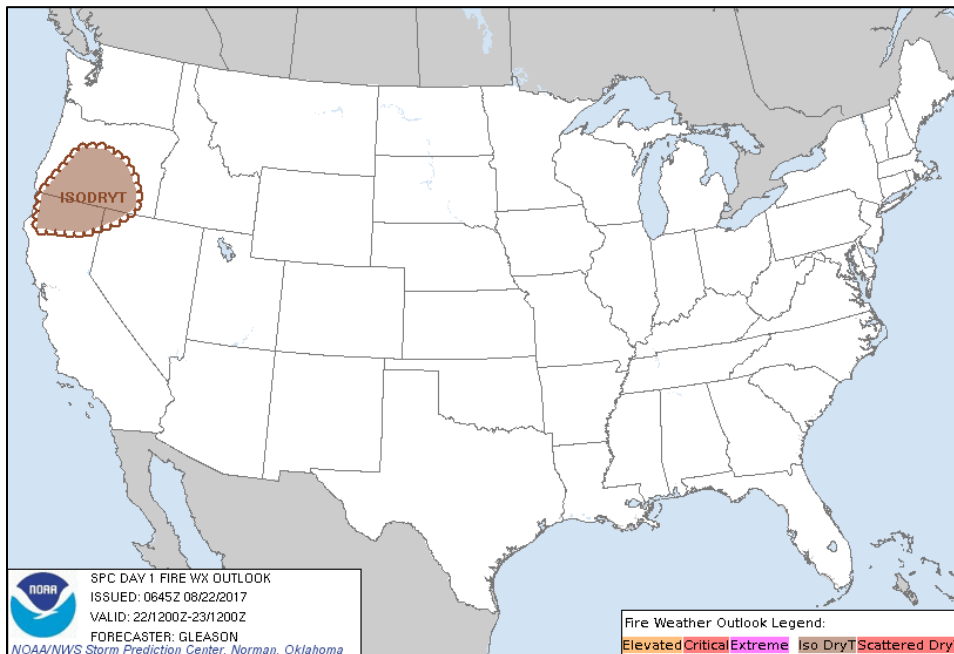
There is an Enhanced Risk of severe thunderstorms from northern Pennsylvania into central and eastern New York. There is a Slight Risk of severe thunderstorm activity today from western New England to the Ohio Valley. There is a Marginal Risk of severe thunderstorms from the Northeast to the Ozark Plateau and the Southern Plains.

## Tornado Weather



There is a 5-percent chance of tornado activity from northern Pennsylvania into central and eastern New York. There is a 2-percent chance of tornado activity today from western New England to the Ohio Valley.

## Fire Weather

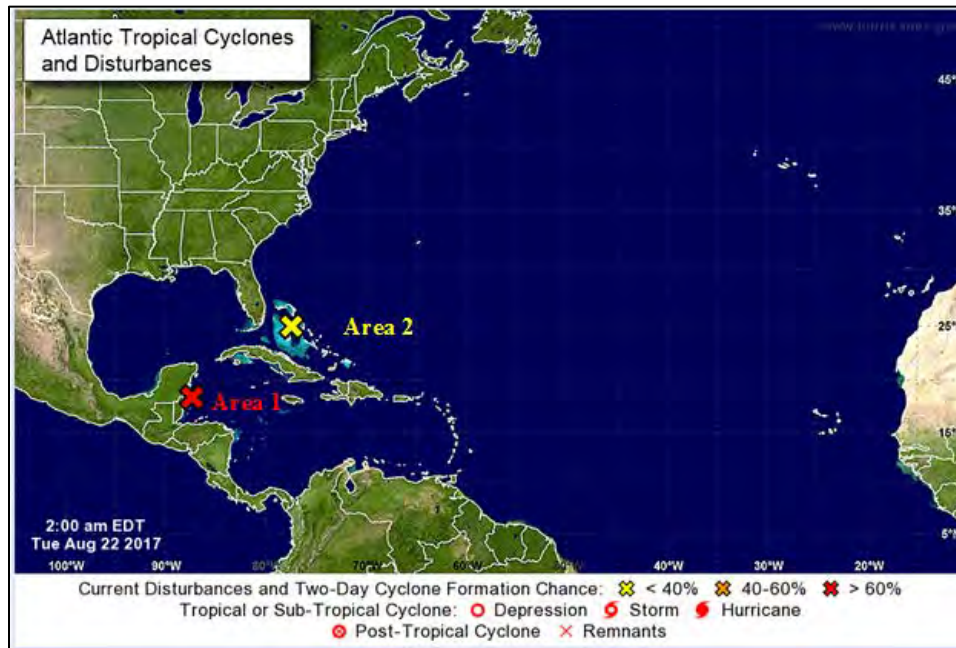


There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are possible in northern California, northwestern Nevada, and Oregon.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – August 22, 2017

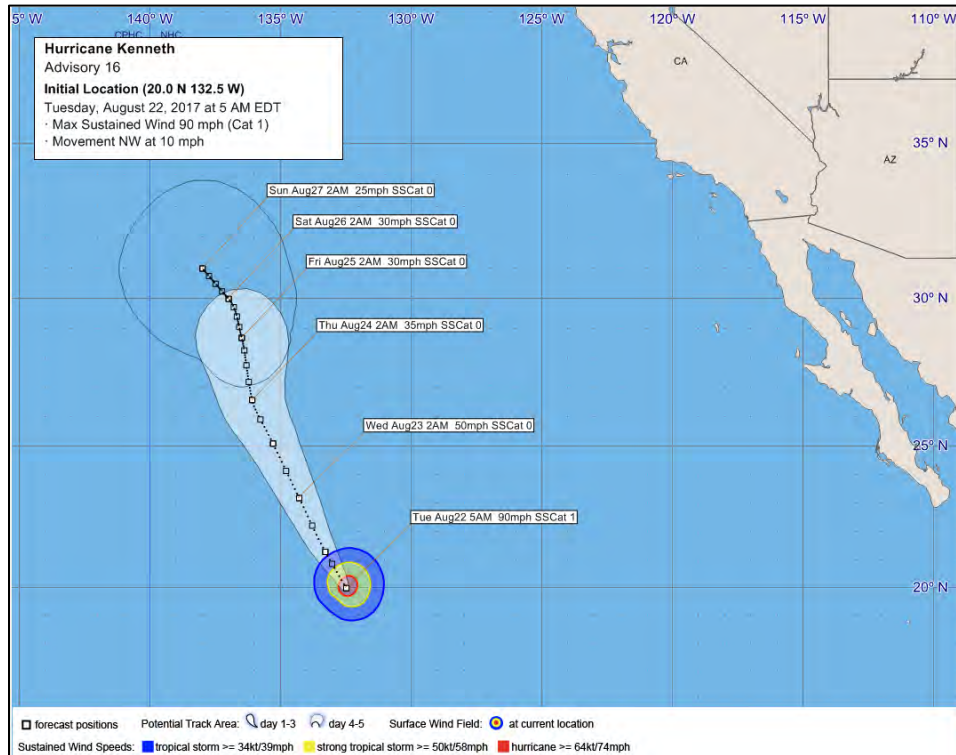
#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Area 1:** A large area of disturbed weather over the northwestern Caribbean Sea is associated with the remnants of Harvey. Satellite images and surface observations indicate that the system has not become better organized. Tropical cyclone development is not expected before the system moves inland over the Yucatan peninsula this morning; however, environmental conditions are expected to be conducive for development when the system moves over the Bay of Campeche tonight or early Wednesday. A tropical depression is likely to form over the southwestern Gulf of Mexico on Wednesday or Thursday. Regardless of development, locally heavy rainfall and gusty winds are expected to spread westward across Belize and the Yucatan peninsula during the next day or so. Formation chance through 48 hours is high, at 70-percent.

**Area 2:** Shower and thunderstorm activity associated with a broad trough of low pressure near the northwestern Bahamas remains limited. Any development of this system during the next few days should be slow to occur while it moves west-northwestward, and then turns northwestward near Florida and the adjacent waters. Environmental conditions could become a little more conducive for development by the weekend when the system begins to move northeastward over the western Atlantic. Formation chance through 48 hours is low, at 10-percent.

## Eastern Pacific Ocean - Hurricane Kenneth



HURREVAC Image

At 5:00 AM EDT, the center of Hurricane Kenneth was located about 1,465 miles west of the southern tip of Baja California. Kenneth has begun to weaken and is now a Category 1 hurricane. Additional rapid weakening is forecast during the next 48 hours, and Kenneth is expected to weaken to a tropical storm later today. Hurricane-force winds extend outward up to 35 miles from the center and tropical-storm-force winds extend outward up to 105 miles.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, August 23, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - August 23, 2017*

The **South Fork Fire** (California) is no longer being managed by a full suppression strategy and will not be summarized in this report. The ICS Status Summary (ICS-209) for the **Dud Fire** (Montana) was not updated; therefore, the fire will not be summarized today.

## Washington

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 2,440 (+165)
- Containment: 29-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 478 (+24) / 61 (-3)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)

- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with uphill runs, torching, and flanking. If the fire moves over the ridge it could affect the Twin Lakes recreation area, infrastructure, and private structures to the northeast. Traffic on Bridge Creek Road remains an issue; however, law enforcement mitigation is in place. Steep, rocky timber terrain with a dead and down component continue to be a safety concern.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	60%	August 25
Nena Springs	Wasco, OR	BIA	3	68,135	75%	August 23

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 23, 2017

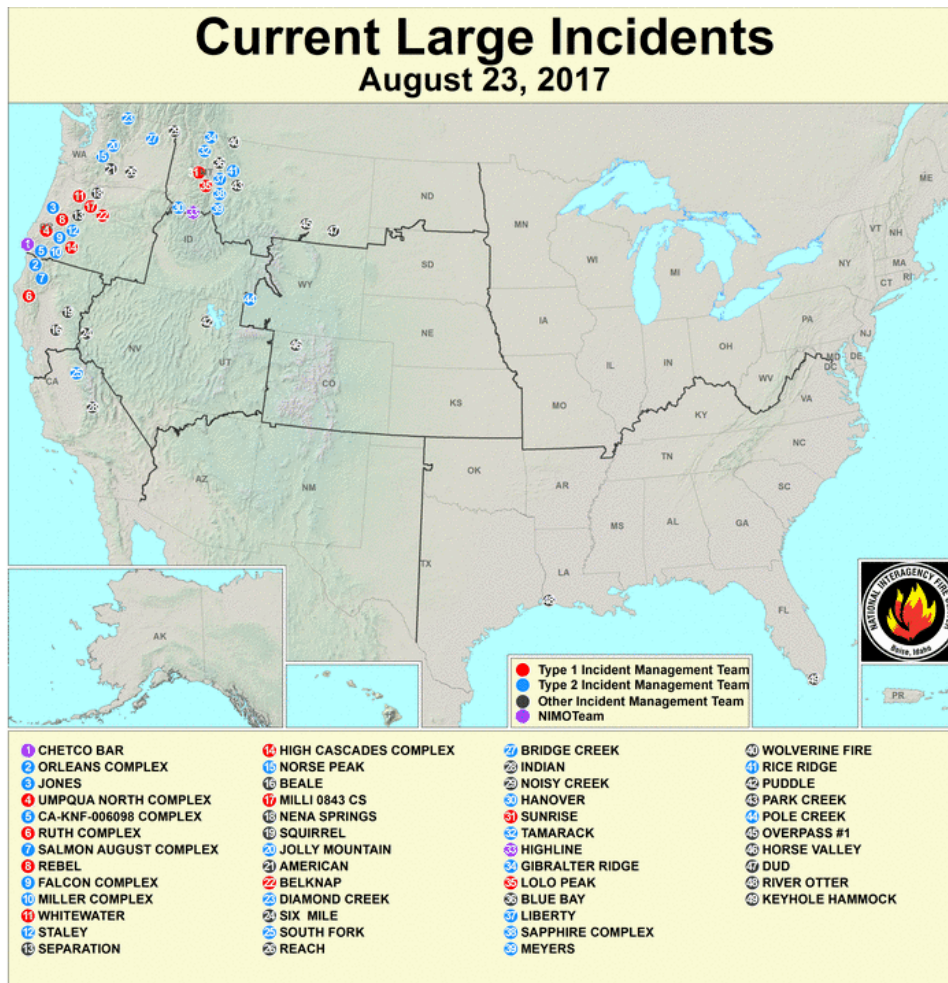
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (128 new fires)
New large fires:	3
Large fires contained:	1
Uncontained large fires: **	27
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	9
Type 2 IMTs committed:	27

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period. No significant activity resulted from minor explosions detected by infrasound data. Satellite data confirmed the lava dome within the intra-island lake, just west of the 1992 lava dome, has grown to approximately 525 feet in diameter since August 20. The presence of a growing mound of lava has heralded the end of several past eruptions of Bogoslof; however, during some eruptive periods, additional explosions and dome destruction have followed lava effusion. If future explosions do occur, it is possible that the resulting volcanic cloud could be more ash-rich than those that have occurred thus far during the 2016-17 Bogoslof eruption. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. A moderate, 1-minute eruption occurred on August 22, and was detected by seismic and infrasound sensors. Prior to the explosion, satellite data observed elevated surface temperatures at the summit. Web camera images observed nothing of note.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. On August 22, the summit lava lake level was observed to be 115 feet below the rim of the Overlook Crater. There have been no significant changes in deformation or seismic activity across the volcano.



## **Significant National Weather**

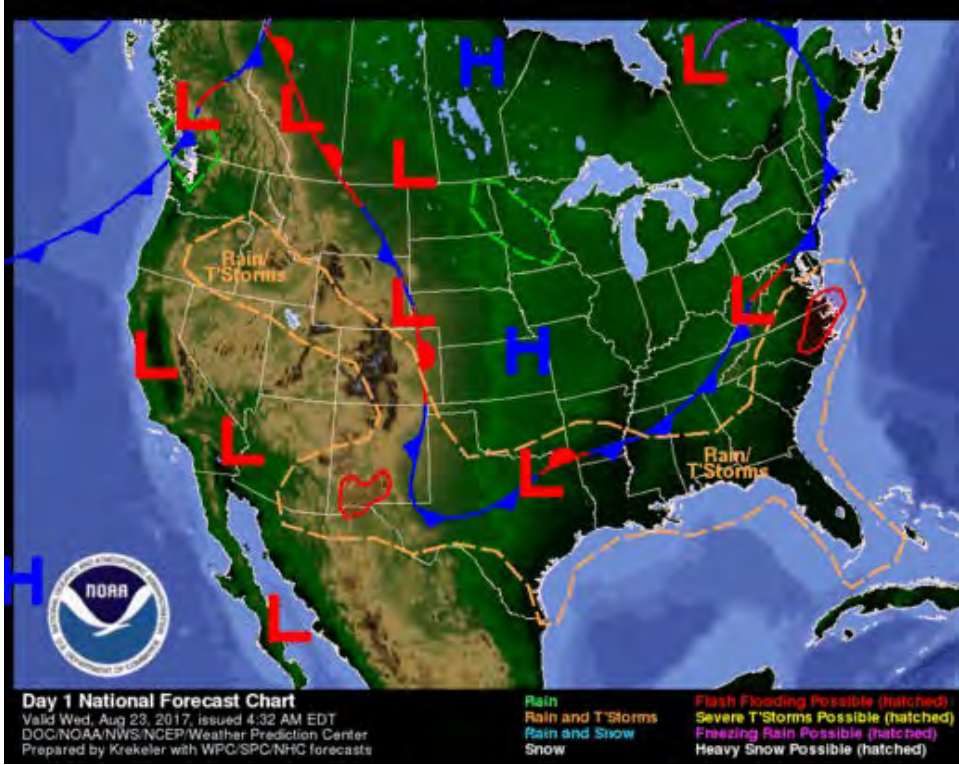
*Source: National Weather Service - August 23, 2017*

### **Today**

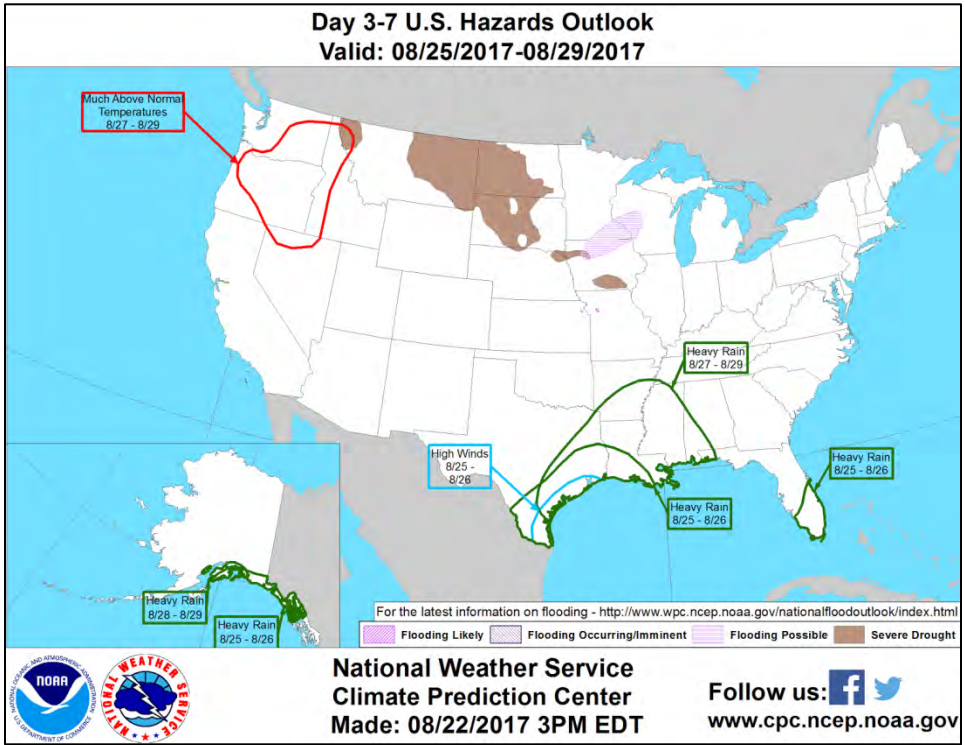
A frontal system will extend from eastern New England to the mid-Atlantic, down the Appalachian to the lower Mississippi Valley, and from Texas up the front range of the Rockies. Rain and thunderstorms will develop from the southern mid-Atlantic to the Gulf Coastal region, lower Mississippi Valley, and Texas. A few strong to severe thunderstorms may affect parts of the southern mid-Atlantic region and eastern Carolinas this afternoon and evening. Gusty, damaging winds will be the main threat. Additionally, rain will be heavy for portions of this same region, with the possibility of some localized flash flooding. Afternoon and evening showers and thunderstorms will develop across parts of the Four Corners, the Rockies, and the northern Great Basin. Heavy rain and flash flooding are forecast for parts of south-central New Mexico. Elsewhere, light rain showers are possible for portions of northwest Washington and the upper Midwest.

### **Tomorrow**

Rain and thunderstorms will develop from the Carolina Coastal region, across the Southeast, to the Gulf Coast and Texas. An area of low pressure will move out of the southern Gulf of Mexico approaching the Texas coastal region. The system will produce heavy rain along the coastal region, which could produce areas of flooding and flash flooding. Afternoon and evening showers and thunderstorms will develop over the central, southern, and southwestern Plains, the Rockies and the western High Plains. Strong thunderstorms may affect the Front Range of the Rockies, the Black Hills vicinity, and adjacent areas of the central high Plains late tomorrow afternoon and evening, perhaps accompanied by some risk for severe weather. Heavy rain and flash flooding will be possible from the Oklahoma and Texas Panhandle region to far western Texas through the upper Rio Grande Valley. Elsewhere, light rain showers will develop across the eastern Great Lakes and upstate New York.



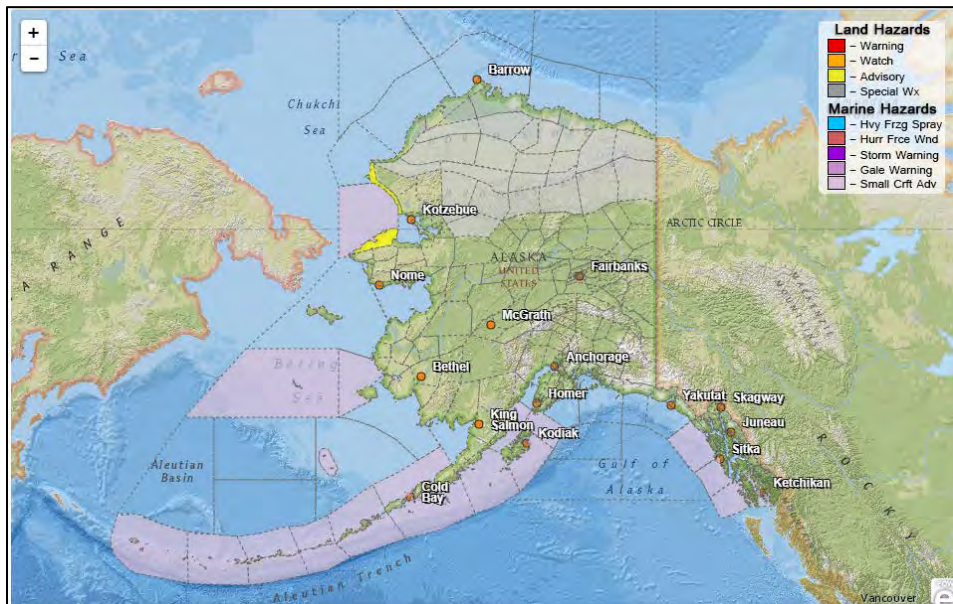
**Weather Hazard Assessment**



- August 22: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, and Hawaii.
- August 25-26: Heavy rain for the western Gulf Coast, inland areas of southeastern Texas, southwestern Louisiana, central and southern Florida, and from the southern Kenai Peninsula to the northern Alaska Panhandle.
- August 27-29: Heavy rain for southeastern Texas, the lower Mississippi Valley, and the western to central Gulf Coast.
- August 27-29: Much above-normal temperatures for parts of the Pacific Northwest, the northern Great Basin, and the northern Rockies.
- August 28-29: Heavy rain for parts of southern mainland Alaska.

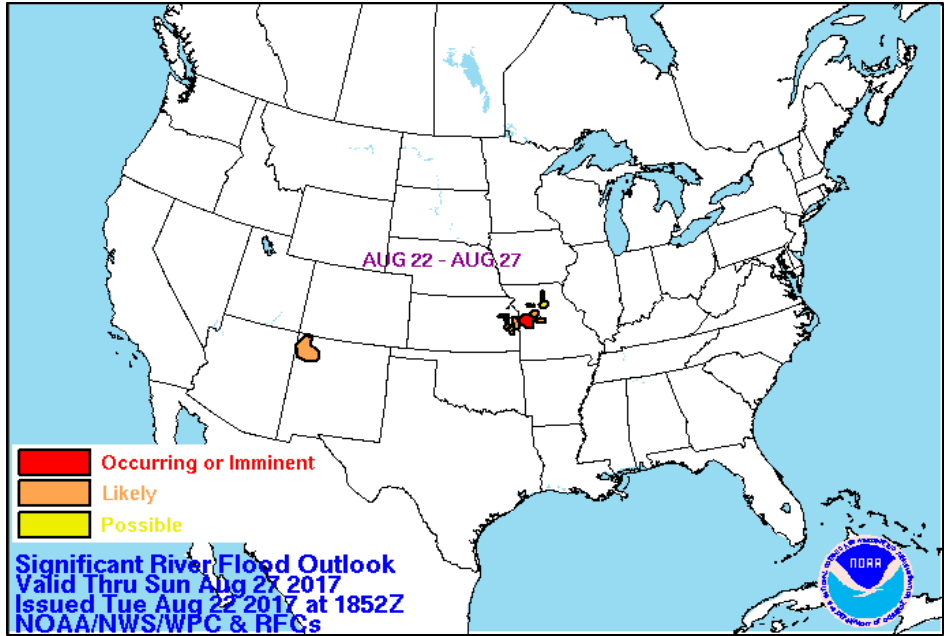
## Alaska Weather

A Small Craft Advisory is in effect for the Aleutian Islands, the majority of the Gulf of Alaska, the Shelikof Strait, the Pribilof Islands, St. Matthew Islands Waters, north and west of Nunivak Island, and from Wales to Cape Thompson. A High Surf Advisory is in effect along Point Hope and Shishmaref. There is a Special Weather Statement forecasting snow in the northern Alaskan interior.



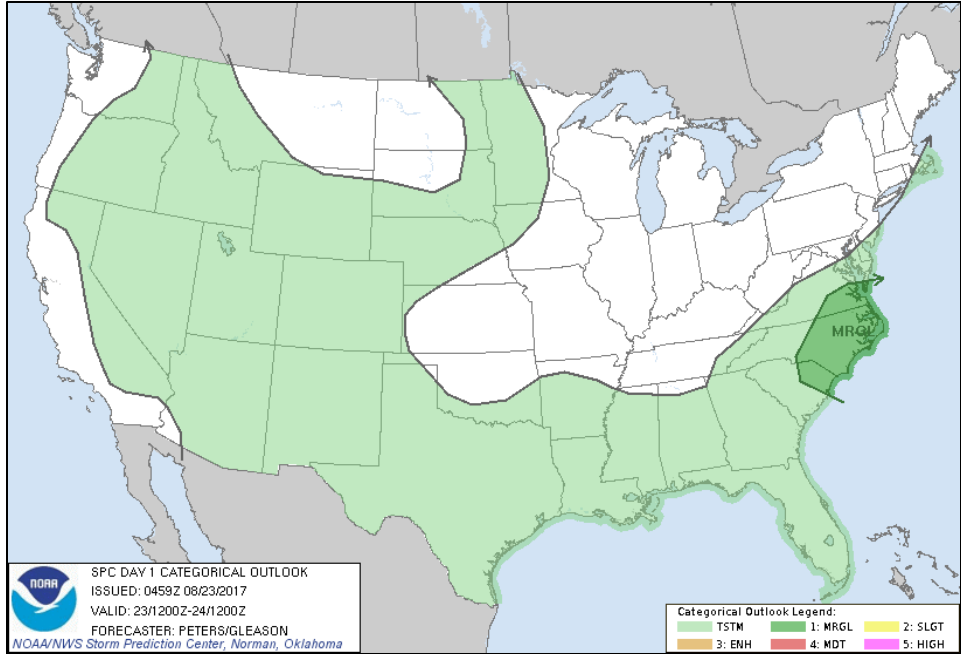
## Significant River Flooding

Significant River Flooding is possible, likely, or occurring across portions of Missouri, eastern Kansas, and northwestern New Mexico.



**Severe Weather**

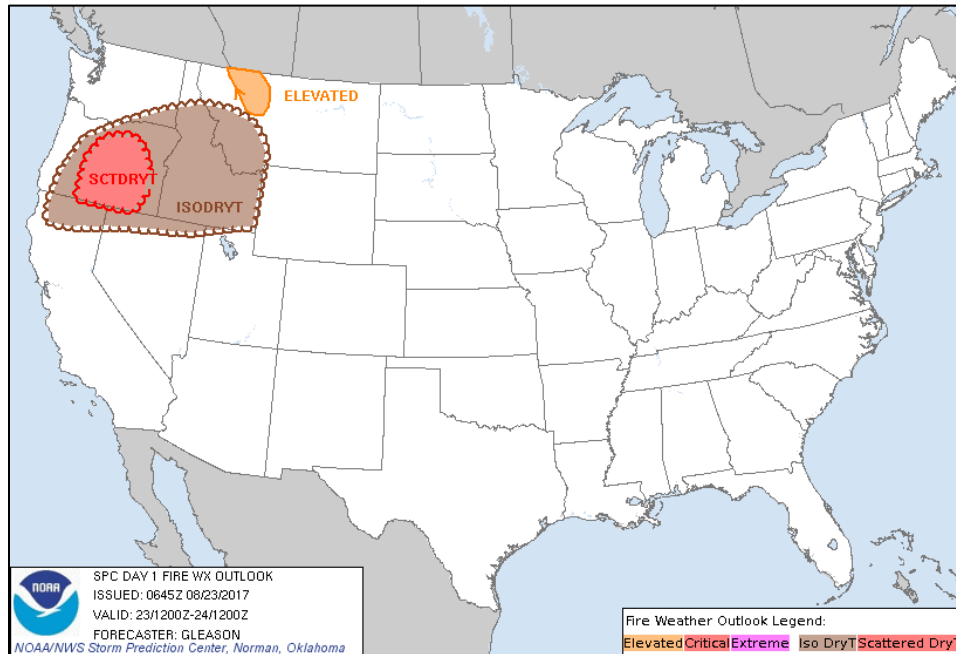
There is a Marginal Risk of severe thunderstorms across the southern mid-Atlantic and eastern Carolinas.



**Tornado Weather**

There is a less than 2-percent chance of tornadoes in the U.S. today.

## Fire Weather



There is no Critical Risk forecast for today across the U.S.; however, there is an Elevated Risk in northwestern Montana. Scattered Dry Thunderstorms are possible throughout central Oregon. Isolated Dry Thunderstorms are possible in northern California, northern Nevada, Idaho, southeastern Washington, and Oregon.

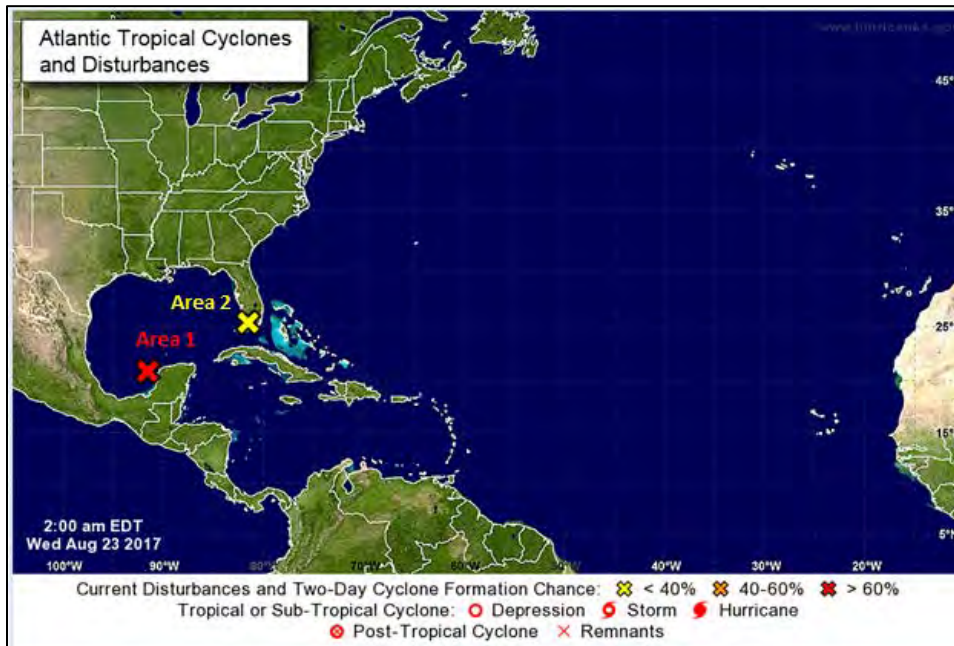
### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – August 23, 2017*

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

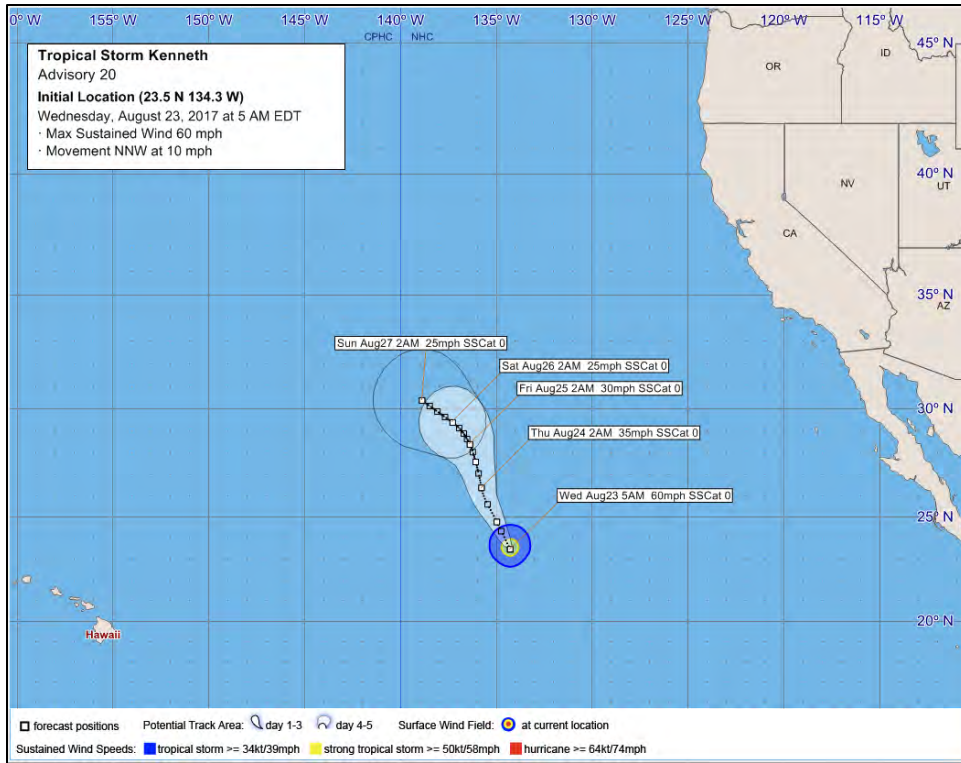
**Area 1:** A broad area of low pressure associated with the remnants of Harvey is located over the eastern Bay of Campeche. Although thunderstorm activity has increased over the northern portion of the system, recent satellite wind data indicate that the low-pressure area lacks a well-defined circulation at this time. Environmental conditions are conducive for development, and a tropical depression or tropical storm is very likely to form today or tonight while the low moves northwestward at about 10 miles per hour (mph) across the western Gulf of Mexico. The low could possibly reach the northwestern Gulf coast late Friday. This system is likely to slow down once it reaches the coast, increasing the threat of a prolonged period of heavy rainfall and flooding across portions of Texas, southwestern Louisiana, and northeastern Mexico, into early next week. This system could also produce storm surge and tropical storm or hurricane force winds along portions of the Texas coast later this week, and Tropical Storm or Hurricane Watches could be required later today for portions of the coast of northeastern Mexico, Texas, and southwestern Louisiana. Formation chance through 48 hours is high at 90-percent.

**Area 2:** An area of disorganized showers and thunderstorms stretching across the Bahamas, southern Florida, and the adjacent waters, is associated with a trough of low pressure. Any development of this system during the next few days should be slow to occur while it drifts northward over Florida and the adjacent waters. Environmental conditions could become a little more conducive for tropical or subtropical development over the weekend when the system begins to move northeastward over the western Atlantic. Regardless of development, very heavy rain and flooding is possible over portions of the Florida peninsula during the next few days. Formation chance through 48 hours is low, at 10-percent.



### Eastern Pacific Ocean - Tropical Storm Kenneth

At 5:00 AM EDT, the center of Tropical Storm Kenneth was located about 1,545 miles west of the southern tip of Baja California. Kenneth continues to deteriorate quickly and is now a Tropical Storm. Maximum sustained winds have decreased to near 60 mph, with higher gusts. Continued weakening is forecast, and Kenneth is expected to become a remnant low tonight or Thursday. Tropical-storm-force winds extend outward up to 80 miles from the center.



HURREVAC Image

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Thursday, August 24, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

**Tropical Weather Activity - Gulf of Mexico**

**Tropical Storm Harvey**

*Source: National Weather Service/National Hurricane Center – August 24, 2017*

**General Situation**

As of 5:00 a.m., EDT, the center of Tropical Storm Harvey, was located about 425 miles south-southeast of Port O'Connor, Texas. Harvey is moving toward the north near 10 miles per hour (mph). A track toward the northwest or north-northwest at a faster forward speed is expected for the next 48 hours. On the forecast track, Harvey will approach the southern Texas coast on Friday. Air Force Reserve and NOAA Hurricane Hunter aircraft report that maximum sustained winds have increased to near 45 mph, with higher gusts. Some additional strengthening is forecast during the next 48 hours, and Harvey is expected to become a hurricane by Friday. Tropical-storm-force winds extend outward up to 115 miles from the center.

A Hurricane Warning has been issued for the Texas coast from Port Mansfield to Matagorda. A Tropical Storm Warning has been issued from north of the Matagorda to High Island, Texas. A Tropical Storm Warning and a Hurricane Watch have been issued from south of Port Mansfield to the mouth of the Rio Grande. A Tropical Storm Watch has been issued from south of the



mouth of the Rio Grande, Texas to Boca de Catan, Mexico. A Storm Surge Warning has been issued for the Texas coast from Port Mansfield to the San Luis Pass. A Storm Surge Watch has been issued from Port Mansfield south to the Mouth of the Rio Grande.

**DOI Bureau and Office Reporting**

Source: Office of Emergency Management - August 24, 2017

The Interior Operations Center continues coordination with potentially affected bureaus and offices regarding preparatory actions, emergency action plans, and anticipated impacts to DOI personnel, lands, and facilities. The Preparedness and Response Division continues coordination with the FEMA National Response Coordination Center. Updates to bureau and office activities and status will be provided via the Emergency Management Daily Situation Report (8:00 a.m. EDT, Mon-Fri) and Spot Reports (5:00 p.m. EDT, Daily and as required according to severity of the situation).

**Other Federal Response Agencies**

Source: Federal Emergency Management Agency (FEMA) - August 24, 2017

The Federal Emergency Management Agency (FEMA) National Watch Center will active to an Enhanced Watch (24/7 operations) effective 08:00 a.m. EDT today. The FEMA Region VI Regional Response Coordination Center (RRCC) is activated to Level II (24/7 operations). FEMA has deployed Incident Management Assistance Team (IMAT)-1 to the Louisiana State Emergency Operations Center (SEOC), while the IMAT-2 and a FEMA Liaison (LNO) have deployed to the Texas SEOC.



IGEMS Image

## **Wildland Fire Activity**

**Source:** *Fire and Aviation Management Website - August 24, 2017*

The ICS Status Summary (ICS-209) for the **Nena Springs Fire** (Oregon) was not updated; therefore, the fire will not be summarized today.

## **Washington**

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 2,640 (+200)
- Containment: 33-percent (+4)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 515 (+37) / 61 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. If the fire moves over the ridge it could affect the Twin Lakes recreation area, infrastructure, and private structures to the northeast. The Colville Tribes local government is being impacted and cultural and natural resources are threatened.



*IGEMS Image*

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Diamond A	Elko, ID	BLM	4	2,000	0%	August 24
Grassy Hills	Owyhee, ID	BLM	3	1,100	0%	August 24
Wolverine	Glacier, MT	BIA	4	3,035	60%	August 25
Micro	Lyon, NV	BLM	3	1,100	50%	August 24
Kelton	Box Elder, UT	BLM	4	3,200	40%	August 25

### Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center – August 24, 2017*

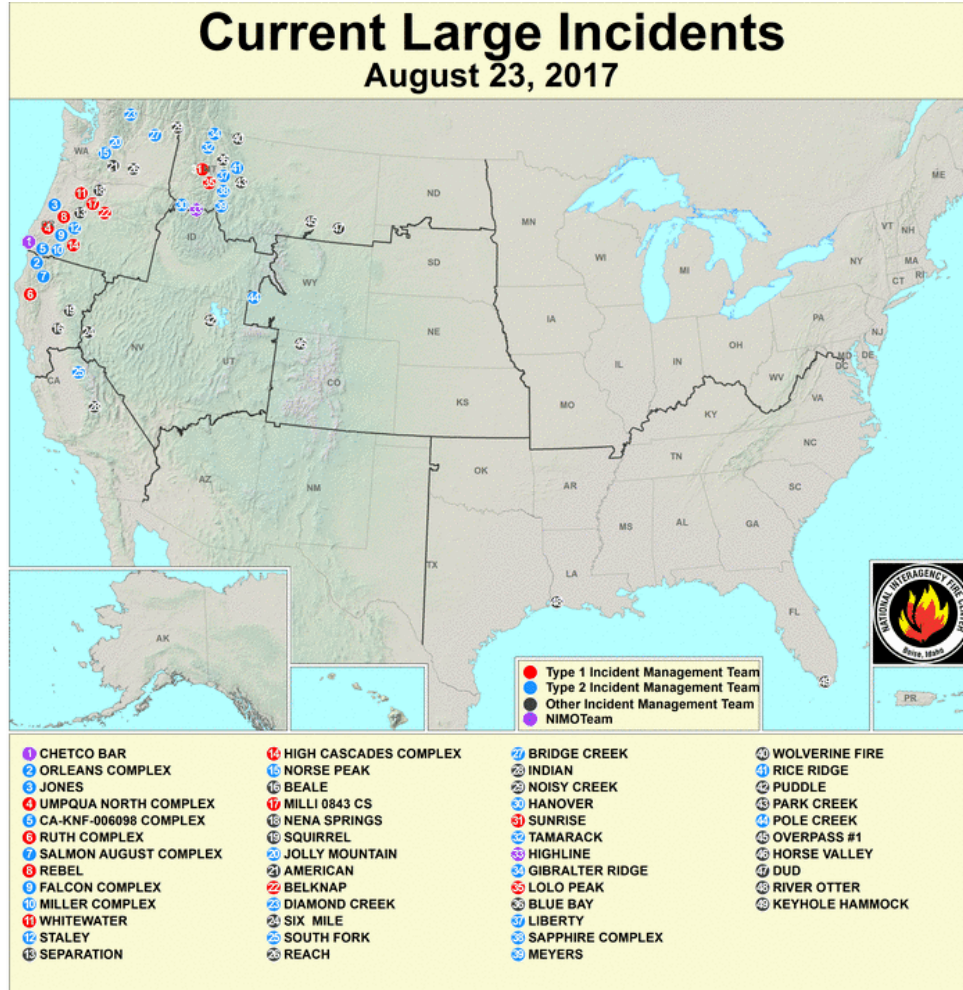
#### National Preparedness Level 5

#### National Fire Activity

Initial attack activity:	Light (141 new fires)
New large fires:	15
Large fires contained:	0
Uncontained large fires: **	45
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	8
Type 2 IMTs committed:	23

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Flooding in Missouri

### DOI Bureau Reports

#### **USGS Response to Missouri Flooding**

*Source: U.S. Geological Survey (USGS) – August 23, 2017*

Heavy rains overnight from August 21 into August 22, caused historic stage flood levels and flash flooding in Kansas City, Missouri, and the surrounding area. This was the second such event in the past 30 days, dumping more heavy rain over previously saturated grounds. USGS gages in the area have reported rainfall totals approaching 20 inches during the period. Flooding is primarily confined to the Blue River, the Little Blue River, and the South Grand River basins and tributaries.

In Kansas City alone, police and firefighters responded to over 270 water-related calls, 62 of which resulted in water rescues. The surrounding communities on both the Missouri and Kansas sides of the state line are reporting similar occurrences. A car being swept away by rushing

water has accounted for one fatality, and property damage is significant in the area. Many, if not most, gages on the Blue and Little Blue River experienced peaks of record. One gage, located at the Little Blue River at Lee's Summit Road in Independence, Missouri, was completely submerged and destroyed.

The Missouri Water Science Center's (MOWSC) Lees Summit Field Office maintains contact with the U.S. Army Corps of Engineers, the National Weather Service, the City of Kansas City Water Services Department, and the City of Independence, Missouri.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period. No significant activity was observed in mostly cloudy satellite data and no unusual seismicity or airwave signals were detected. The volcano remains at a heightened state of unrest, and additional explosions could occur with little to no precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

#### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. No significant activity has been observed in satellite and web camera images since the minor eruption that occurred on August 22. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data..

#### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. On August 22, the summit lava lake level was observed to be 140 feet below the

rim of the Overlook Crater. There have been no significant changes in deformation or seismic activity across the volcano.

### **Significant National Weather**

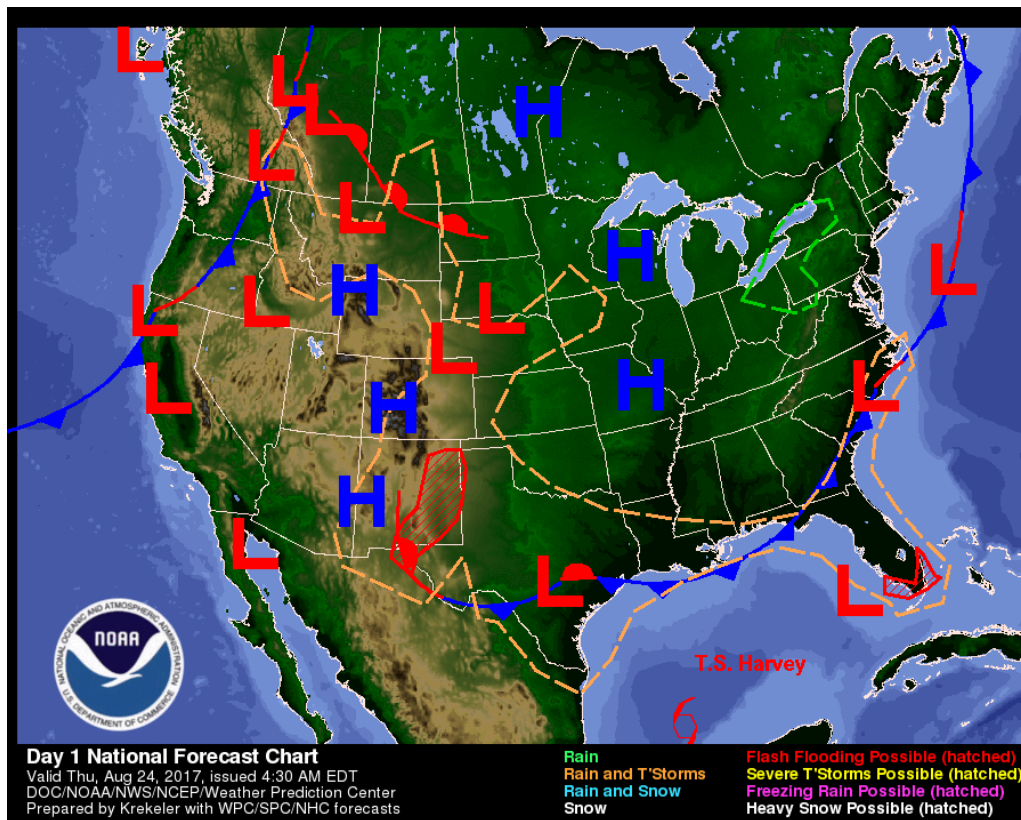
Source: National Weather Service - August 24, 2017

#### **Today**

A frontal system will extend from the Carolina coastal region across the Florida Panhandle, the Mississippi Delta region, southern Texas, and the upper Rio Grande Valley. Additionally, a tropical disturbance will linger just off the southwestern Florida coast, and Tropical Storm Harvey is in the southwestern Gulf of Mexico. Rain and thunderstorms will develop from the Carolinas and Southeast coastal regions, across Florida to Texas. Heavy rain is likely for far southern Florida. Light rain showers will develop downwind of Lakes Erie and Ontario. Afternoon and evening showers and thunderstorms will develop from the southwestern Plains into the central Plains, the northern Rockies, and the western High Plains. Isolated strong thunderstorms may occur over a portion of the High Plains region this afternoon and evening. Heavy rain and flash flooding are forecast for eastern New Mexico and the immediate surrounding states.

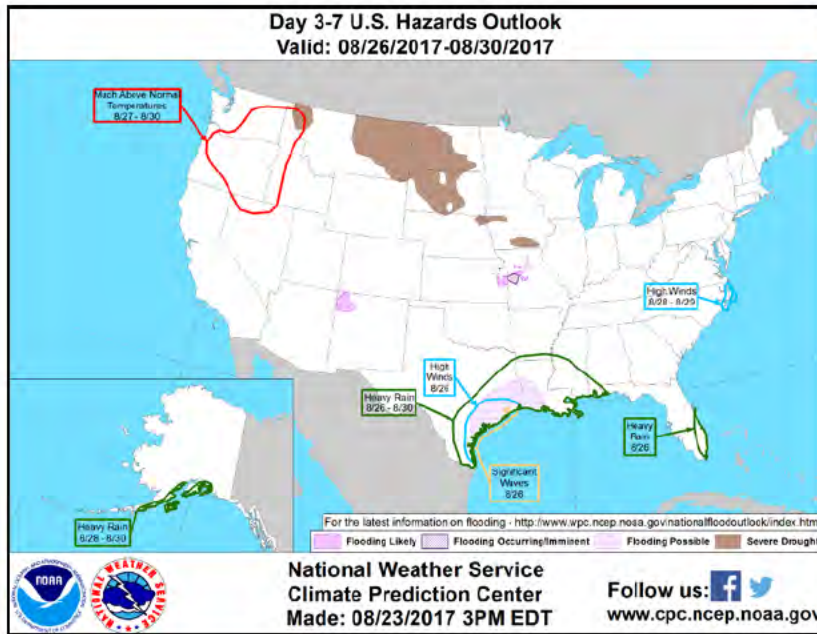
#### **Tomorrow**

The above mentioned front will remain stationary extending from southeastern Georgia across southern Louisiana to southern Texas and the middle Rio Grande Valley. Harvey will continue to approach the Texas Gulf Coast. Thunderstorms with heavy rain will continue over the Texas and western Louisiana coastal region, where copious rainfall amounts are expected. A few of these thunderstorms may be accompanied by tornadoes. Additional rain and thunderstorms will develop across the remainder of Texas, southern Oklahoma, and portions of New Mexico. Elsewhere, scattered rain and thunderstorms will develop ahead of a frontal system pushing into the northern Great Plains. A cluster of thunderstorms may develop across parts of the Black Hills and Badlands of South Dakota, into portions of the middle Missouri Valley, accompanied by at least some risk for severe weather tomorrow evening.

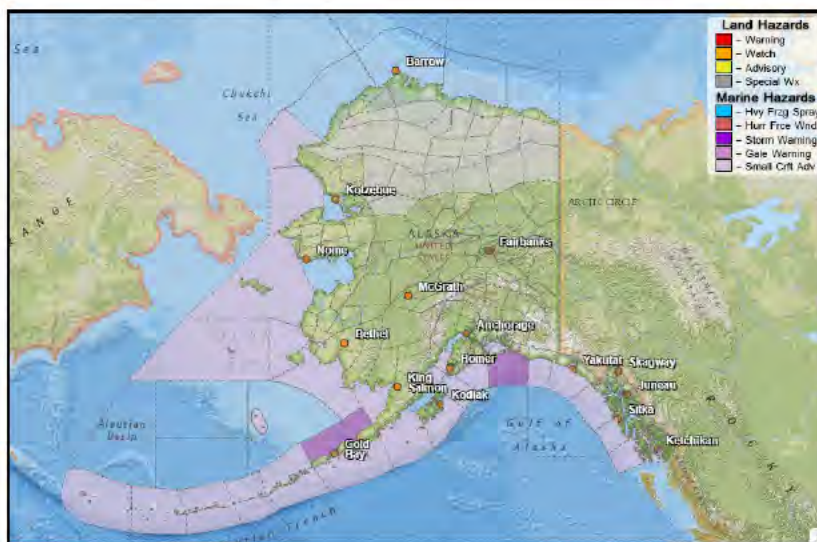


## Weather Hazard Assessment

- August 26-30: Heavy rain and flooding for the Texas Gulf Coast, inland areas of southeastern Texas, and the lower Mississippi Valley.
- August 26: Significant waves and storm surge along the Texas Gulf Coast.
- August 26: High winds for the Texas Gulf Coast.
- August 26: Heavy rain for parts of central and southern Florida.
- August 28-29: High winds for the Outer Banks of North Carolina.
- August 27-30: Much above-normal temperatures for parts of the Pacific Northwest, the northern Great Basin, and the northern Rockies.
- August 28-30: Heavy rain for the Alaska Peninsula, Kenai Peninsula, and Prince William Sound.
- August 31: Moderate risk of much above-normal temperatures for parts of Idaho, Nevada, Oregon, and Washington.
- Flooding likely for parts of northwest New Mexico.
- Severe Drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, and Hawaii.



## Alaska Weather

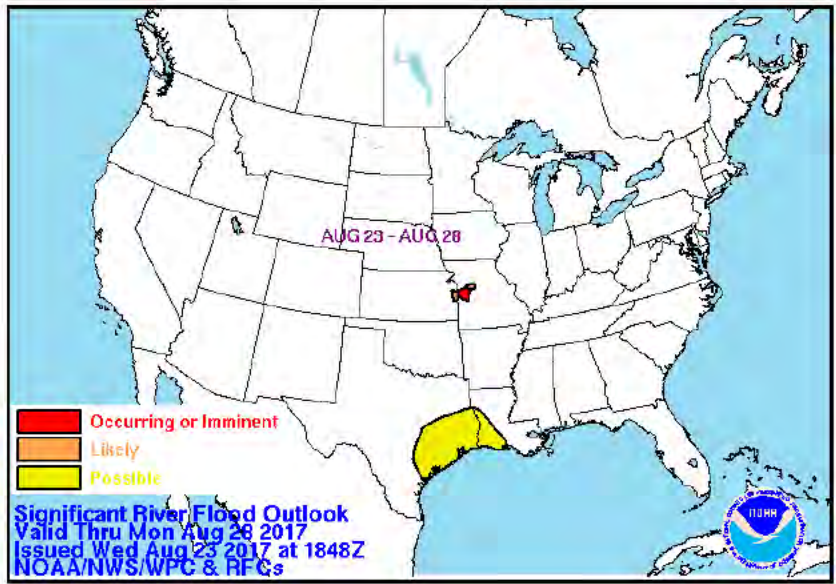


A Small Craft Advisory is in effect for the Aleutian Islands, the Gulf of Alaska, Bristol Bay, the Pribilof Islands, the Kuskokwim Delta and Etolin Strait, St. Matthew Islands Waters north and west of Nunivak Island, and from Wales to Cape Beaufort. A Gale Warning is in effect from Port Heiden to Cape Sarichef, and in the Gulf of Alaska from Cape Suckling to Cape Clear. There is a Special Weather Statement forecasting snow in the northern Alaskan interior.

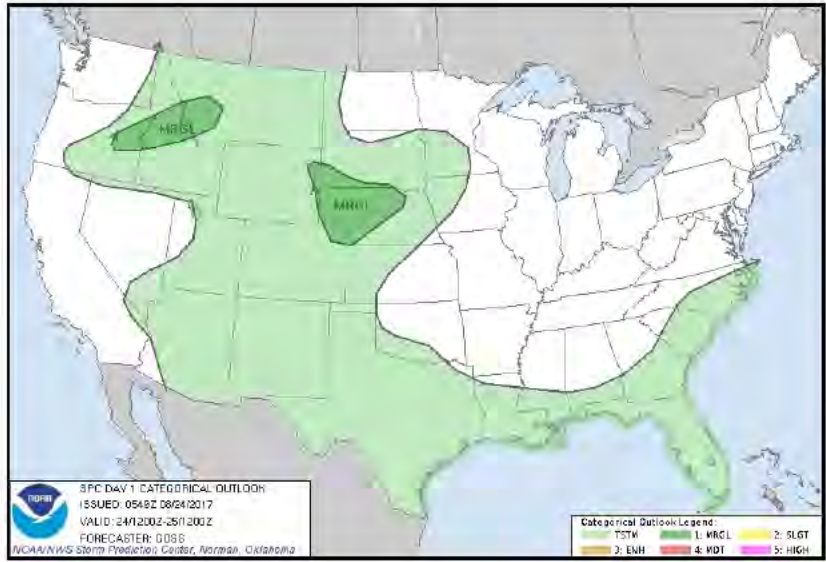
## Significant River Flooding

Significant River Flooding is occurring or likely in portions of western Missouri and eastern Kansas. Flooding is possible in southeastern Texas and western Louisiana.





**Severe Weather**

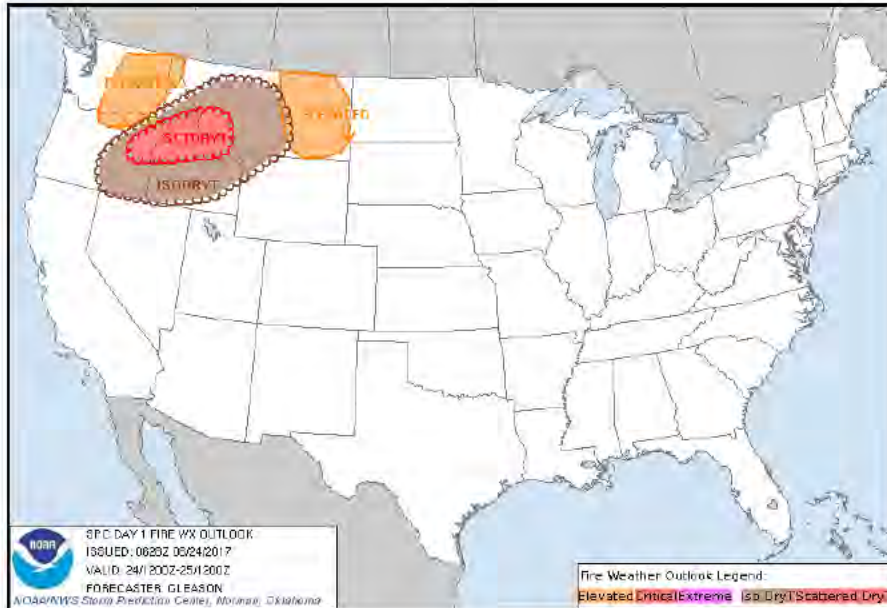


There is a Marginal Risk of severe thunderstorms across portions of the Northwest, the northern Rockies, and the Great Plains.

**Tornado Weather**

There is a less than 2-percent chance of tornadoes in the U.S. today.

## Fire Weather



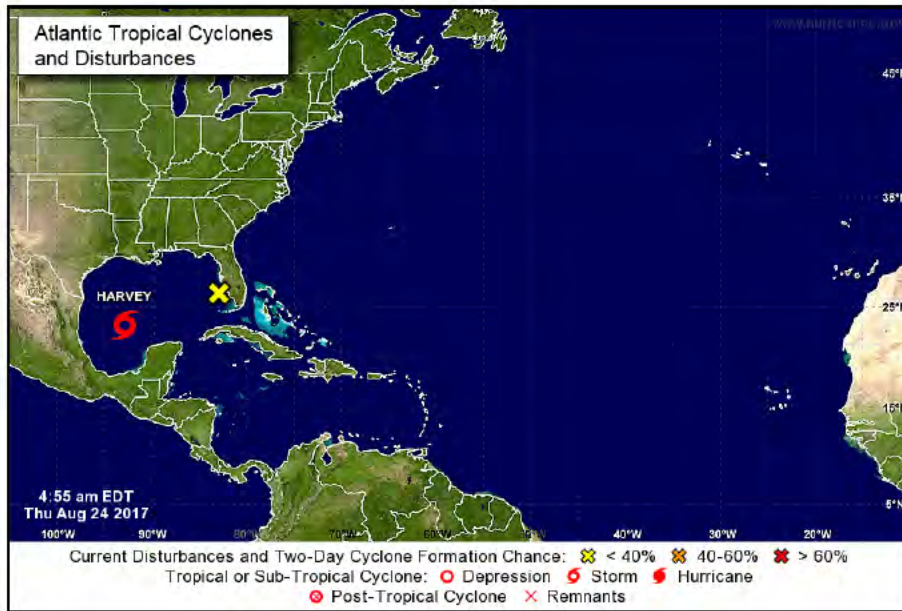
There is no Critical Risk forecast for today across the U.S.; however, there is an Elevated Risk for portions of Washington, Oregon, and eastern Montana. Scattered Dry Thunderstorms are forecast across parts of northeastern Oregon, central Idaho, and southwestern Montana. Isolated Dry Thunderstorms are possible in Montana, Idaho, and eastern Oregon.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 24, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** A trough of low pressure continues to produce disorganized showers and thunderstorms extending across the Bahamas, southern Florida, and the adjacent waters. Development, if any, of this system should be slow to occur while it drifts northward during the next day or two. Some tropical or subtropical development is possible over the weekend or early next week while the system moves northeastward over the western Atlantic before it merges with a front. Regardless of development, very heavy rain and flooding is possible over portions of the Florida peninsula during the next few days.



## Eastern Pacific Ocean

There is no tropical cyclone activity expected during the next 48 hours.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials\*  
 Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, August 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Hurricane Harvey - Gulf of Mexico

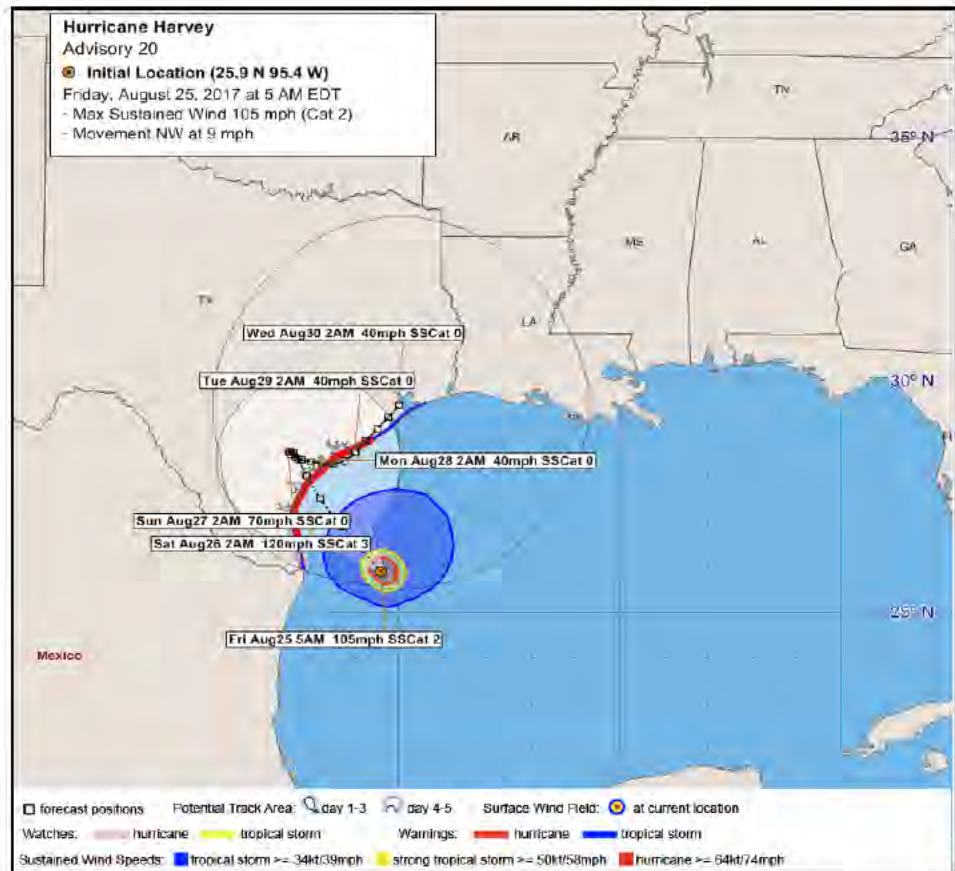
### **General Situation**

*Source: National Weather Service/National Hurricane Center – August 25, 2017*

As of 5:00 a.m., EDT, Hurricane Harvey was located about 180 miles southeast of Corpus Christi, Texas and moving toward the northwest near 9 miles per hour (mph). This general motion is expected to continue during the next couple of days. On the forecast track, Harvey will make landfall on the middle of the Texas coast tonight or early Saturday and then meander near, or just inland, of the middle Texas coast through the weekend. Maximum sustained winds are near 105 mph, with higher gusts, and some additional strengthening is possible. Harvey is expected to become a major hurricane before it makes landfall. Hurricane force winds extend outward up to 25 miles from the storm's center, and tropical storm force winds extend outward up to 140 miles.

Hurricane Harvey is expected to produce total rain accumulations of 15 to 25 inches, with isolated maximum amounts of 35 inches over the middle and upper Texas coast through next Wednesday. During the same time period, Harvey is expected to produce total rain accumulations of 7 to 15 inches in far southern Texas and the Texas Hill Country, eastward through central and southwestern Louisiana. Accumulations of up to 7 inches will extend into other parts of Texas and the lower Mississippi Valley. The rainfall from Harvey will cause devastating and life-threatening flooding. The combination of a dangerous storm surge and the

tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. A storm surge of 6 to 12 feet is expected in some coastal areas, including the Padre Island National Seashore. The deepest water will occur along the immediate coast near and to the northeast of the landfall location, where the surge will be accompanied by large and destructive waves. Isolated tornadoes are also possible across portions of the middle and upper Texas coast today.



HURREVAC Image

## **DOI Bureau and Office Reporting**

### **National Park Service**

*Source: National Park Service (NPS) - August 24, 2017*

The State of Texas has declared a state of emergency for 30 counties ahead of the storm. Many mandatory evacuations are in place for both coastal counties, as well as some inland and in lower lying areas that are prone to flooding.

The Padre Island National Seashore (PAIS) will be closed until further notice in preparation for Harvey. The park may be closed several days. Prevention actions for the park and evacuations for employees are being conducted in accordance with local authorities. There is a mandatory evacuation order for northern PAIS and some areas on the eastern side of Corpus Christi. Employees residing in the area are relocating out of the area. Storm surge and flooding is

predicted up to 10 feet on parts of Padre Island, and the storm is to stall and produce a large amount of rainfall.

Palo Alto Battlefield National Historical Park (PAAL) is forecast to be hit with tropical force winds and up to 6 inches of rain. Precautions for property and employees are being implemented. Big Thicket National Preserve is also closely monitoring this storm.

The Federal Emergency Management Agency (FEMA) has activated the National Response Coordination Center (NRCC) for this event. The Emergency Support Function (ESF) 9 for Search and Rescue has also been activated. The Federal Search and Rescue Coordination Group has been requested to activate to include a representative from the NPS. A location has not yet been determined, but may be in the Denton area. The Emergency Incident Coordination Center (EICC) is attempting to source assets which may be able to help with a swiftwater or standing water search and rescue operation, but due to a number of other events in the intermountain region as well as nationally, assets within a six hour radius of the projected impact area are limited. It is likely that the NPS will serve in a support role for this event. The EICC is still under normal status, but will likely have enhanced staffing through the weekend.

### **BSEE Response Activities for Hurricane Harvey**

*Source: DOI Bureau of Safety and Environmental Enforcement - August 24, 2017*

The Bureau of Safety and Environmental Enforcement (BSEE) reports several closures in preparation for Hurricane Harvey. The Lake Jackson District Office in Clute, Texas, will be closed today so that the staff may prepare their families and property for potential storm damage. BSEE will also be closing the Office of Natural Resources Revenue (ONRR) and their Houston offices for the duration of the storm and until conditions are safe to return. Depending on the local storm conditions, BSEE may close additional Louisiana offices in Lake Charles, Houma, and Lafayette.

Due to current saturation concerns and the lack of operable pumps in the New Orleans, BSEE is currently working with the Bureau of Land Management (BLM) and potentially conducting Continuity of Operations (COOP) in available space in Jackson, Mississippi. BSEE will continue its mission of monitoring the status of oil production platforms and will provide updates to the Interior Operations Center (IOC) once production is impacted by more than 10-percent.

### **ESF #11 (Agriculture and Natural Resources) Response for Hurricane Harvey**

*Source: DOI Office of Environmental Policy and Compliance – August 24, 2017*

Emergency Support Function (ESF) #11 has not been activated at this time, and there have been no Federal ESF requests for assistance. The following ESF preparatory actions are in effect:

- *ESF #11 - Natural and Cultural Resources, and Historic Properties (NCH):* The Heritage Emergency National Task Force has provided flood preparation information to their member agencies and organizations.
- *ESF #11 – Animal Health:* The Houston Zoo reportedly maintains a captive assurance colony of critically endangered Houston toads and damage to that facility would be catastrophic for this species. This potential damage puts significant investments of

federal funds at risk of loss. The U.S. Department of Agriculture Animal and Plant Health Inspection Service (USDA/APHIS) has been enlisted to provide technical expertise in support of animal emergency management.

### **USGS Response Activities for Hurricane Harvey**

*Source: U.S. Geological Survey – August 24, 2017*

The U.S. Geological Survey (USGS) reports the following activities in preparation of Hurricane Harvey in the Gulf of Mexico:

- The USGS Texas Water Science Center (TXWSC) is deploying storm surge sensors in as many as 20 locations between the San Luis Pass and Corpus Christi.
- A total of 5 TXWSC crews (10 personnel) worked to deploy surge sensors and then pull back from the Texas coast yesterday evening. The USGS has also activated its Coastal Storm Team to coordinate response activities and partner coordination. Information on deployed sensors will be available at: <https://stn.wim.usgs.gov/FEV/#HarveyAug2017>.
- The USGS Coastal and Marine Science Center (CMSC) in St. Petersburg, Florida is updating coastal change forecasts for the Texas coast on the Coastal Change Hazards Portal at: <https://marine.usgs.gov/coastalchangehazardsportal/>.
- The USGS is coordinating with Federal, State, and local partners in the region on potential needs for support, including the need for additional stream discharge measurements, high water marks, and surveys.
- The USGS Geospatial Response Team (GIRT) has been mobilized and is prepared to support the State of Texas request to NOAA for Civil Air Patrol imagery fly-overs for impacted portions of the State. The State of Texas submitted an activation request to include multiple Search and Rescue (SAR) and electro-optical (EO) collection systems.
- All USGS collected imagery can be located in the Hazard Data Distribution System (<https://hddsexplorer.usgs.gov/>) and Disaster Coordination Preparedness & Response (DCPR) Map.

### **BIA Response Activities for Hurricane Harvey**

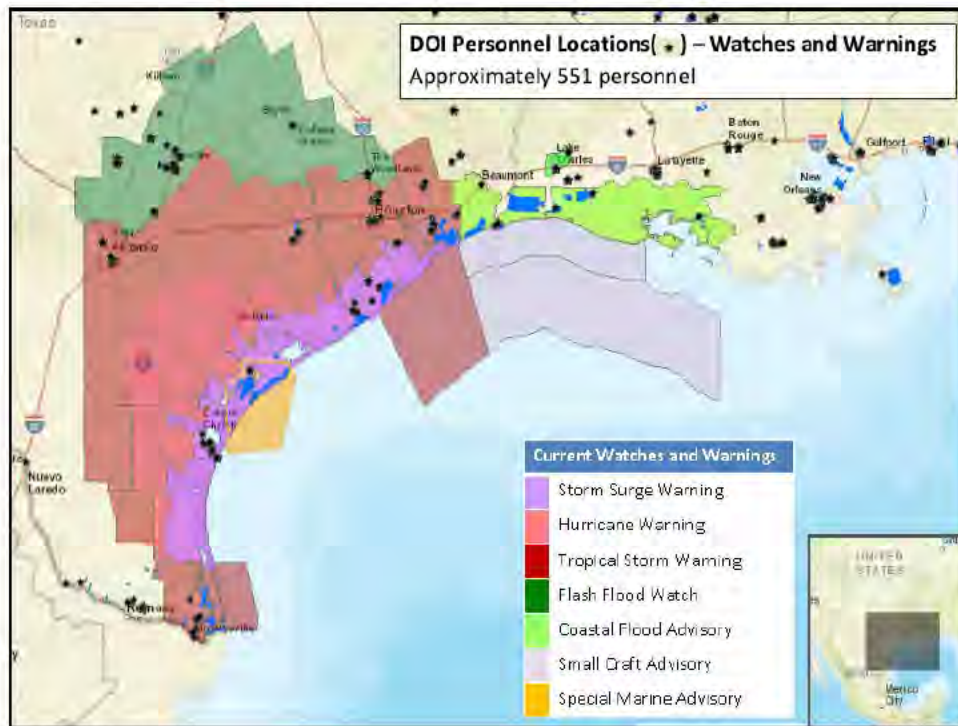
*Source: Bureau of Indian Affairs – August 24, 2017*

The Bureau of Indian Affairs (BIA) anticipates hurricane force winds, the potential for storm surges, and dangerous amounts of rain as Hurricane Harvey makes landfall and travels across Texas, Louisiana, and Mississippi.

BIA Emergency Management representatives have been in contact with Tribal emergency managers in the path of Harvey, while also coordinating with the Federal Emergency Management Agency (FEMA), the Indian Health Service (HIS), BIA's Eastern Region, and the Tribal Assistance Coordination Group (TAC-G) partners. The Tribal Assistance Coordination Group (TAC-G), a Multi-Agency Coordination (MAC) group that assists Federally Recognized Tribes during emergencies and disasters, will convene coordination teleconference calls today, and over the weekend, if necessary.

## **Interior Geospatial Emergency Management System (IGEMS) Graphic – Department of the Interior Personnel within Watches and Warnings Areas for Hurricane Harvey**

According to the Interior Geospatial Emergency Management System (IGEMS), there are approximately 551 DOI personnel located in the various weather watch and warning areas for Hurricane Harvey. This is an estimate and could change as the forecast path for the hurricane changes.



IGEMS Image

## **Other Federal and State Government Reporting**

### **Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA - August 25, 2017*

The FEMA National Watch Center is at Enhanced Watch (24/7 operations), and the FEMA National Response Coordination Center (NRCC) will activate to Level II at 8:00 a.m. EDT this morning. The FEMA Region VI Regional Response Coordination Center (RRCC) is activated to Level II (24/7 operations), and FEMA Incident Management Assistance Teams (IMATs) have been deployed to the Louisiana State Emergency Operations Center (SEOC) and the Texas SEOC. FEMA Incident Support Bases (ISBs) have been established at Seguin, Texas, Fort Worth, Texas, and Camp Beauregard, Louisiana. Five Mobile Communication Office Vehicles (MCOV) are deployed, and twelve MCOVs are on standby. The Texas National Guard anticipates mobilizing approximately 236 Guardsmen. The Texas SEOC has activated to Level II, and the Louisiana SEOC has activated to Level III (24/7 operations).



Mandatory evacuation orders are in effect for the City of Port Aransas, San Patricio County, Calhoun County, Aransas County, and Refugio County in Texas. A mandatory evacuation order is also in effect for Cameron Parish, Louisiana. Texas has six shelters open with 91 occupants. The U.S. Coast Guard (USCG) reports that Atlantic Area and District Eight Crisis Action teams are activated, and assets are mobilizing for post-storm assessments. All USCG Sector Corpus Christi personnel and dependents are being directed to evacuate.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - August 25, 2017*

The **Diamond A Fire** (Idaho) and the **Micro Fire** (Nevada) reached 100-percent containment; therefore, the fires will no longer be summarized in this report.

### **Washington**

#### **Bridge Creek Fire**



*IGEMS Image*

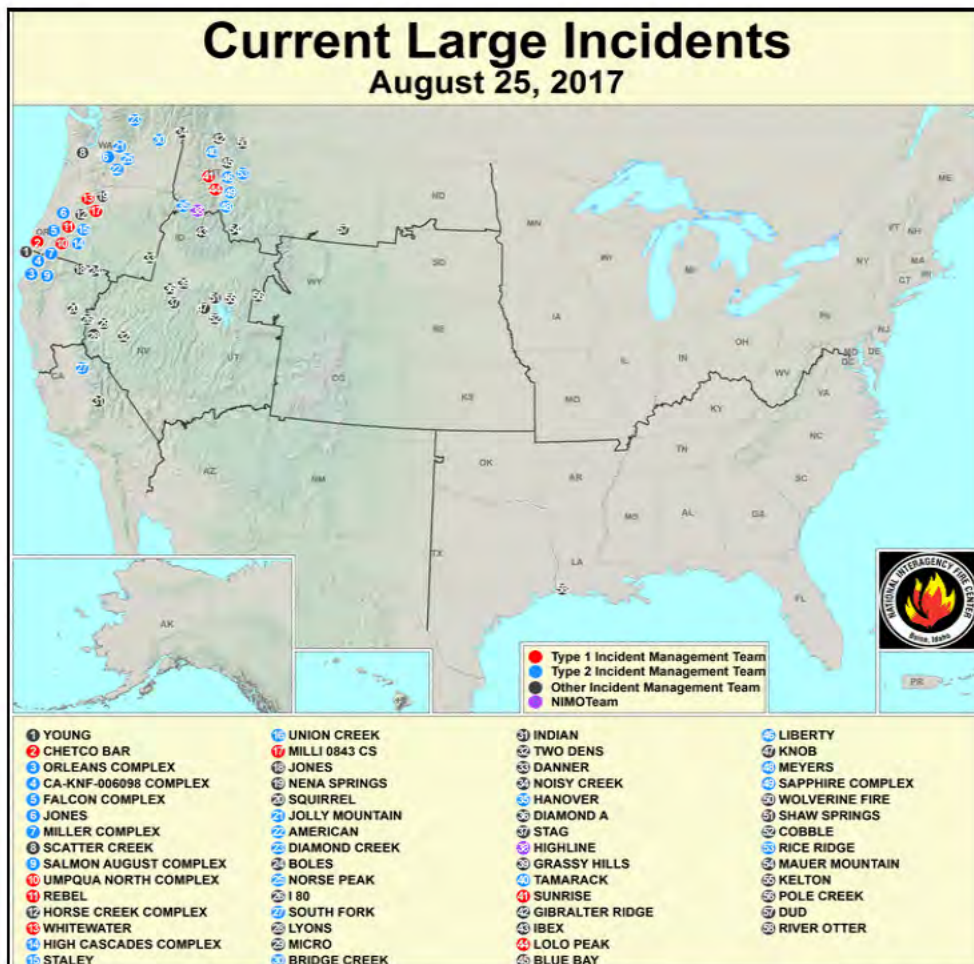
- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 2,670 (+30)
- Containment: 33-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 514 (-1) / 64 (+3)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. There are impacts to a main transportation route from smoke. The Colville Tribe's local government is being impacted, and cultural and natural resources are threatened.

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Grassy Hills	Owyhee, ID	BLM	3	7,560	60%	August 25
Wolverine	Glacier, MT	BIA	4	3,035	61%	August 25
Lyons	Lyon, NV	BLM	3	1,626	21%	August 27
Kelton	Box Elder, UT	BLM	4	4,187	70%	August 25

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 25, 2017*

### **National Preparedness Level 5**

#### **National Fire Activity**

Initial attack activity:	Light (162 new fires)
New large fires:	8
Large fires contained:	8
Uncontained large fires: **	35
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	9
Type 2 IMTs committed:	21

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **DOI Bureau and Office Reporting**

#### **BIA Response to Western Wildland Fires**

*Source: Bureau of Indian Affairs (BIA) – August 24, 2017*

Bureau of Indian Affairs (BIA) Emergency Management (EM) personnel are reporting that smoke from local wildland fires in California and Oregon has begun to negatively impact northern California Tribes, including the Hoopa, Karuk, and the Yurok Tribes. Many of the Tribal members, elders, and people with breathing difficulties are suffering from the effects of smoke inhalation.

The State of California Office of Emergency Service (CAL OES), the Office of Tribal Coordination, and BIA EM conducted an initial Tribal Assistance Coordination Group (TAC-G) teleconference to establish a baseline of situational awareness from state, county, federal, and Tribal TAC-G partners. The TAC-G is a Multi-Agency Coordination (MAC) group that assists Federally Recognized Tribes during emergencies and disasters, as well as providing coordination, collaboration, information sharing, and technical assistance, for tribal emergency management programs.

Currently, there are no unmet needs. BIA EM personnel will continue to conduct TAC-G conference calls with BIA Wildland Fire leadership and the BIA Pacific Region in order to coordinate further BIA Wildland Fire participation.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Bogoslof Volcano during this reporting period. Satellite views have been mostly obscured by clouds over the past few days; however, one Visible Infrared Imaging Radiometer Suite (VIIRS) mid-image did show elevated surface temperatures and a small plume, most likely steam, extending to the south of the volcano for about 11 miles. As of August 21, a lava dome has been observed in satellite data, and the thermal state of the lava is likely responsible for the elevated temperatures. No unusual seismicity or airwave signals in infrasound data were detected during the reporting period. The presence of a growing mound of lava has heralded the end of eruptive activity at Bogoslof during some past eruptions; however, during other eruptive periods, lava effusion has been followed by additional explosions and dome destruction. If future explosions do occur, it is possible that the resulting volcanic cloud could be more ash-rich than those that have occurred thus far during the 2016-17 Bogoslof eruption. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. No significant activity has been observed in satellite or web camera images through the reporting period. The volcano has been quiet since the minor eruption that occurred on August 22.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. On August 22, the summit lava lake level was observed to be 140 feet below the rim of the Overlook Crater. There have been no significant changes in deformation or seismic activity across the volcano.

### **Significant National Weather**

*Source: National Weather Service - August 25, 2017*

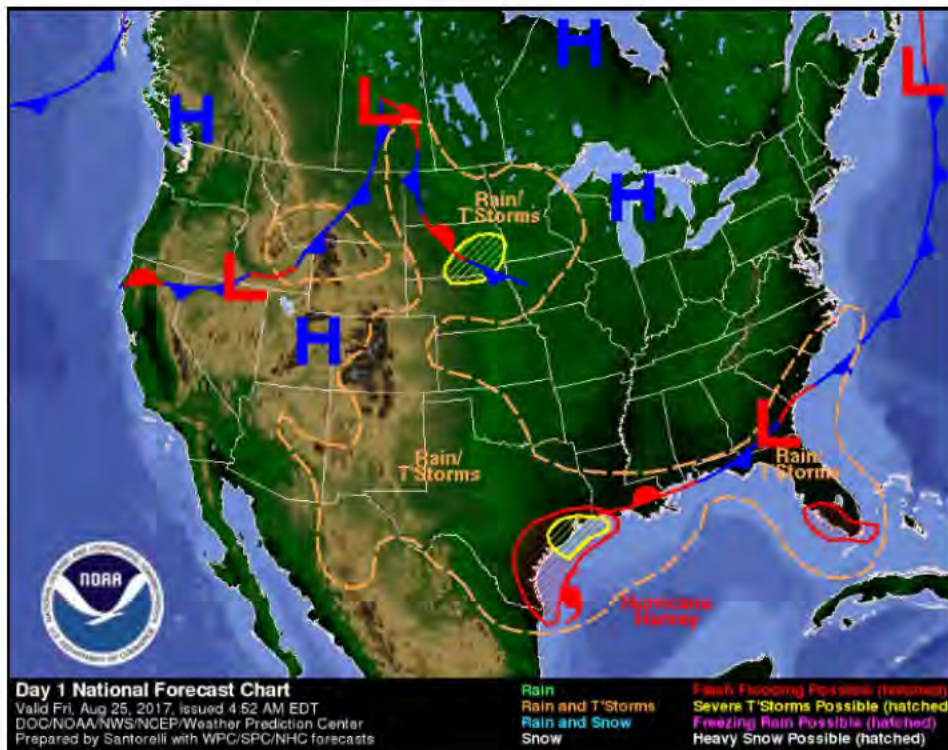
### **Today**

Severe thunderstorms may impact eastern South Dakota today, but the threat will become marginal by Saturday. Showers and thunderstorms will be prevalent along a front from the Carolinas to the Gulf Coast. Elevated Fire Weather conditions are expected for parts of southern Idaho, and Isolated Dry Thunderstorms will affect areas from southern Idaho to southern Montana. Hurricane Harvey is likely to produce multiple hazards, such as heavy and catastrophic rainfall, storm surge, and hurricane conditions for portions of the Texas coast

beginning later today. The hurricane will make landfall around midnight Friday at Category 3 strength.

### Tomorrow

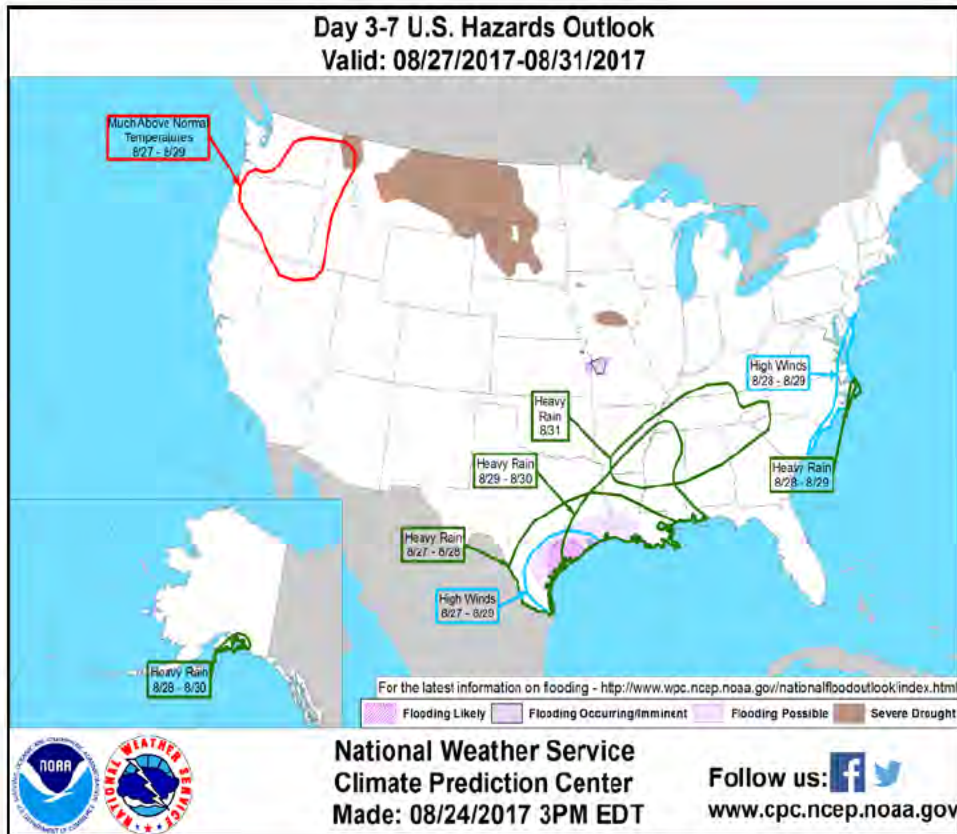
A stationary front will stretch from central Florida to southern Texas tomorrow. At the same time, Hurricane Harvey will already be inland, but with hurricane force winds and very heavy rainfall. Very heavy rain is forecast for most of eastern Texas and far southwestern Louisiana, and amounts could exceed 12-15 inches from the time Harvey approaches Texas until it stalls near coast late on Saturday. Overall rainfall amounts through early next week will be 15-25 inches, with some areas of Texas getting 30-35 inches. Pockets of light rain may develop across the Appalachians between northern Georgia and northern West Virginia. Otherwise, most of the eastern half of nation will enjoy below normal temperatures and dry air. Elsewhere, rain and thunderstorms are expected from the remainder of Texas north to the upper Midwest and northern Great Plains.



### Weather Hazard Assessment

- August 25: Severe drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, and Hawaii.
- August 27-29: High winds for the Texas Gulf Coast and inland areas of southeastern Texas.
- August 27-30: Much above-normal temperatures for parts of the Pacific Northwest, the northern Great Basin, and the northern Rockies.
- August 27-31: Heavy rain and flooding for the Texas Gulf Coast, the inland areas of southeastern Texas, and southwestern Louisiana.

- August 28-29: High winds for the coastal Carolinas and mid-Atlantic.
- August 28-29: Heavy rain for the Outer Banks of North Carolina.
- August 28-30: Heavy rain for the Kenai Peninsula and Prince William Sound.
- August 29-30: Heavy rain and flooding expanding northeast from the Texas Gulf Coast and inland areas of southeastern Texas to the lower Mississippi Valley.
- August 31: Heavy rain shifting northeast to the Tennessee Valley and southern Appalachians.

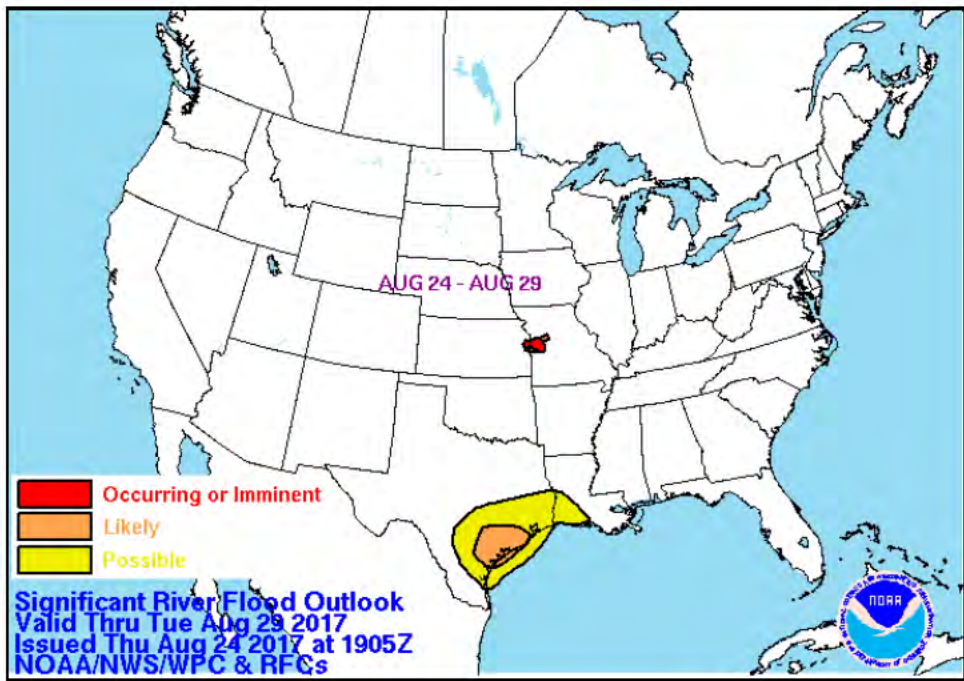


## Alaska Weather

A Small Craft Advisory is in effect from Kiska to Nikolski Pacific Side, Shuyak Island to Sitkinak, Barren Islands to Kalgin Island, Prince William Sound, Cape Edgecumbe to Cape Decision, Bristol Bay, the Pribilof Islands, the Kuskokwim Delta and Etolin Strait, St. Matthew Islands Waters north and west of Nunivak Island, Norton Sound and from Wales to Cape Thompson. A Gale Warning is in effect from Port Heiden to Cape Sarichef, and from Cape Suckling to Cape Fairweather. There is a Special Weather Statement forecasting snow in Brooks Range.

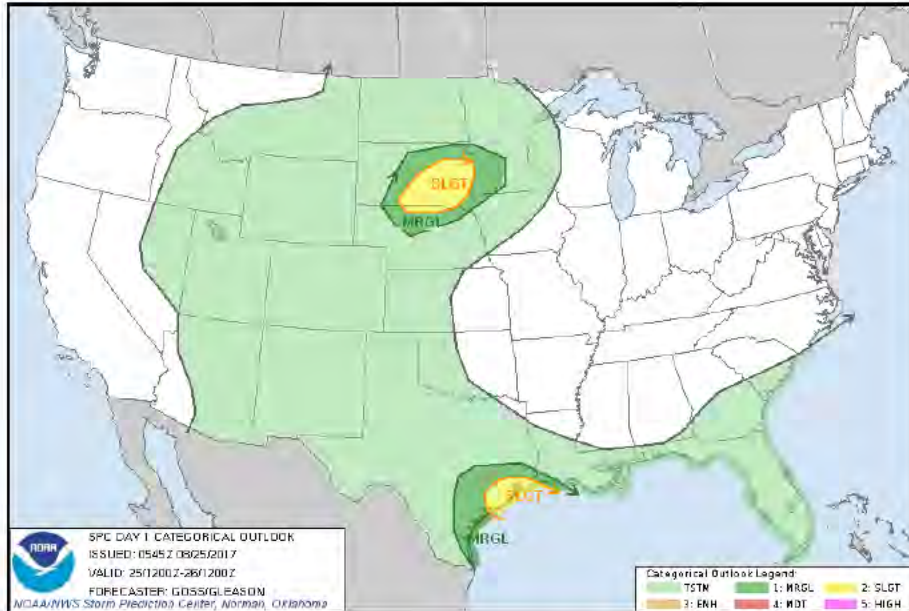


### Significant River Flooding



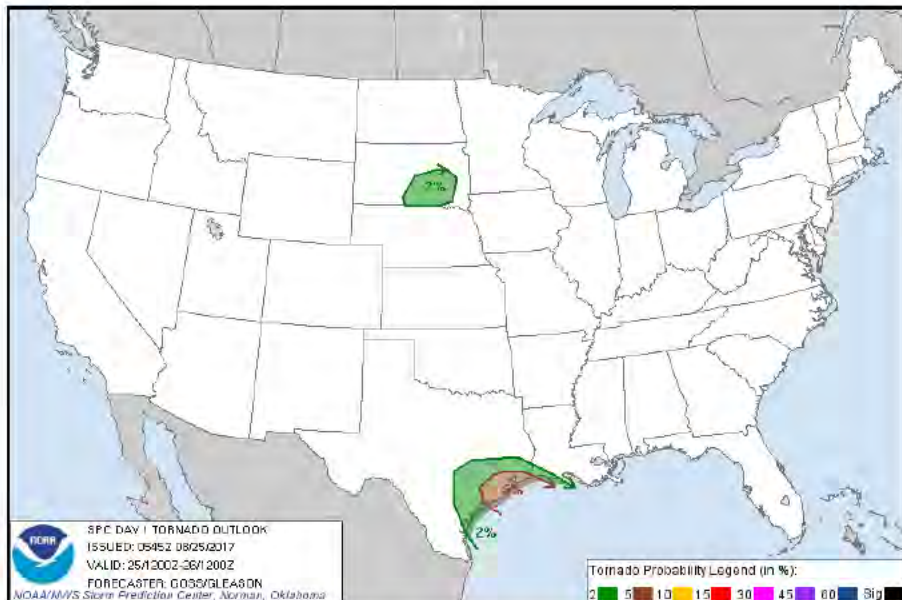
Significant River Flooding is occurring or likely in portions of western Missouri. Moderate and greater flooding is possible or likely in southeastern Texas and southwestern Louisiana.

## Severe Weather



Areas along Gulf Coast, from southeastern Texas to southwestern Louisiana, have a Slight to Marginal chance of severe thunderstorms today. A similar area is forecast in the northern Great Plains.

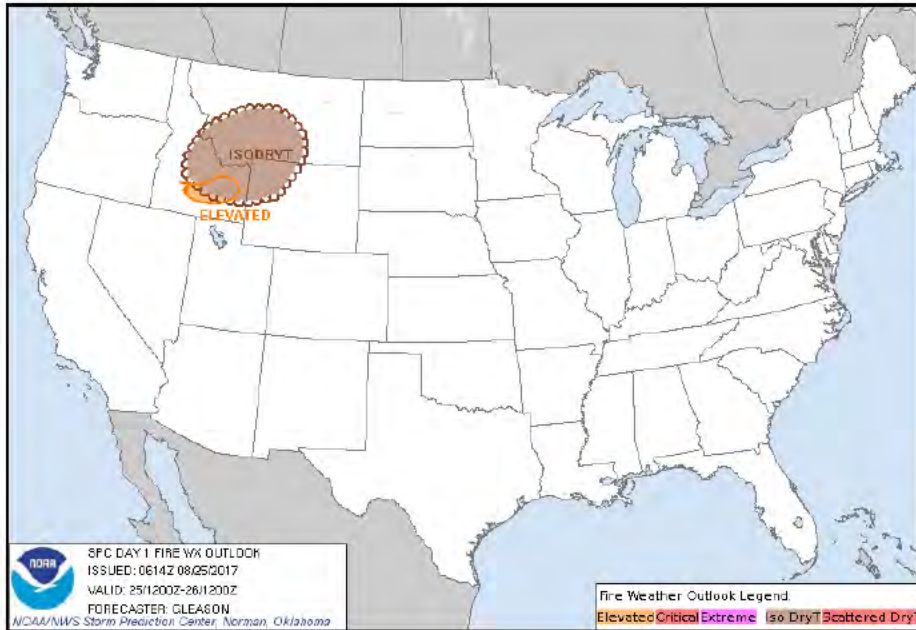
## Tornado Weather



There is a 2-percent chance of tornado activity today in central South Dakota, southeastern Texas, and southwestern Louisiana. There is a 5-percent chance of tornado activity along the Gulf Coast in southeastern Texas.



## Fire Weather

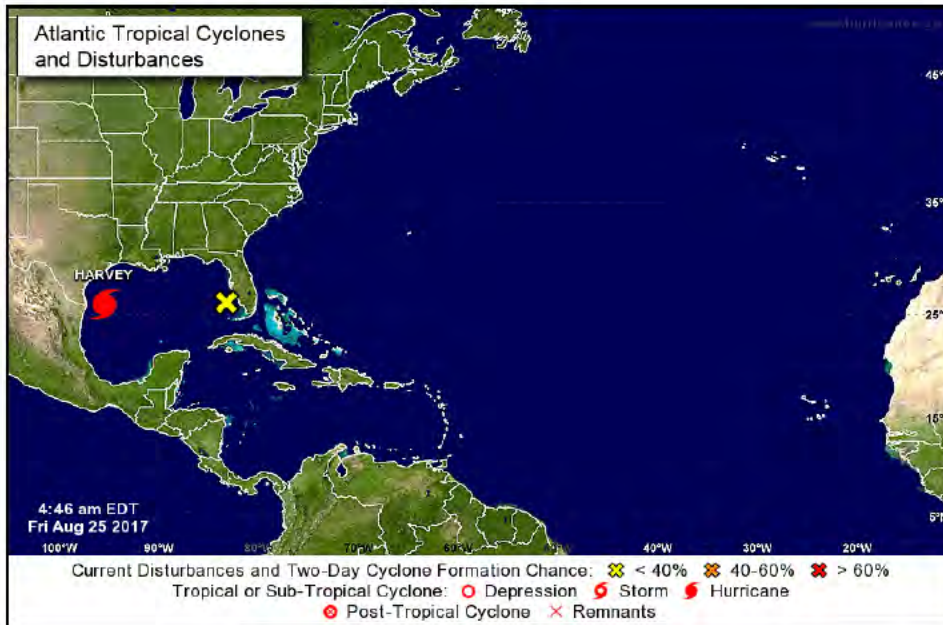


There is no Critical Fire Weather forecast for today across the U.S.; however, there is an Elevated Fire Weather for central Idaho. Isolated Dry Thunderstorms are possible for parts of Montana, Idaho, and northwestern Wyoming.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 25, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Area 1:** A trough of low pressure extending from the eastern Gulf of Mexico over central Florida is producing disorganized showers and thunderstorms. Although strong upper-level winds could limit tropical cyclone formation, some subtropical development is possible over the weekend or early next week while the system moves northeastward over the western Atlantic before it merges with a front. Regardless of development, very heavy rain and flooding is possible over portions of southern and central Florida during the next few days. There is a 20-percent chance of formation through the next 48 hours.

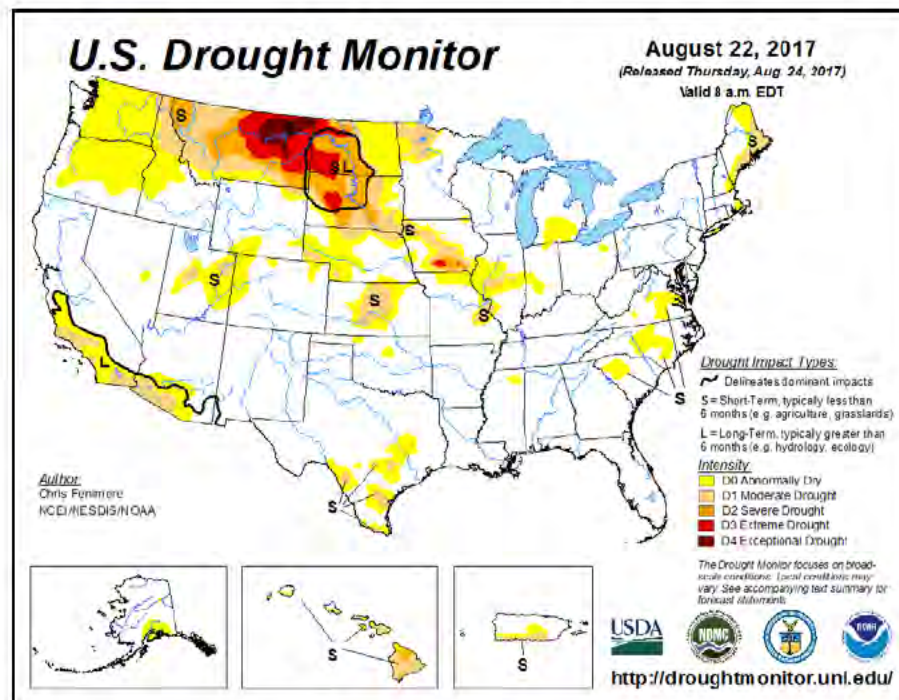
### Eastern Pacific Ocean

There is no tropical cyclone activity expected during the next 48 hours.

### Other News and Notes

#### U.S. Drought Monitor

Source: National Drought Mitigation Center – August 25, 2017



Precipitation was above normal across much of the nation’s mid-section and below normal in portions of the Deep South, the Southeast, the Ohio Valley, and much of the West. The heaviest rainfall was in southern Minnesota, western Iowa, eastern Nebraska, western Missouri, eastern Kansas, and northwestern Arkansas. Temperatures were above normal for much of the eastern third of the nation, the Deep South, and the far West. The northern Plains, the Southwest, and much of the West had below-normal temperatures. Drought and dryness persisted in the northern Plains and expanded westward significantly in Montana.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, August 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Tropical Storm Harvey - Southeastern Texas

The IOC produces the Emergency Management Daily Situation Report at 08:00 a.m. EDT Monday through Friday. All Harvey updates will be included in the Emergency Management Daily Situation Reporting Monday through Friday. Additionally, an incident specific SPOTREP will be produced at 6:00 p.m. EDT, Monday through Friday.

## **General Situation**

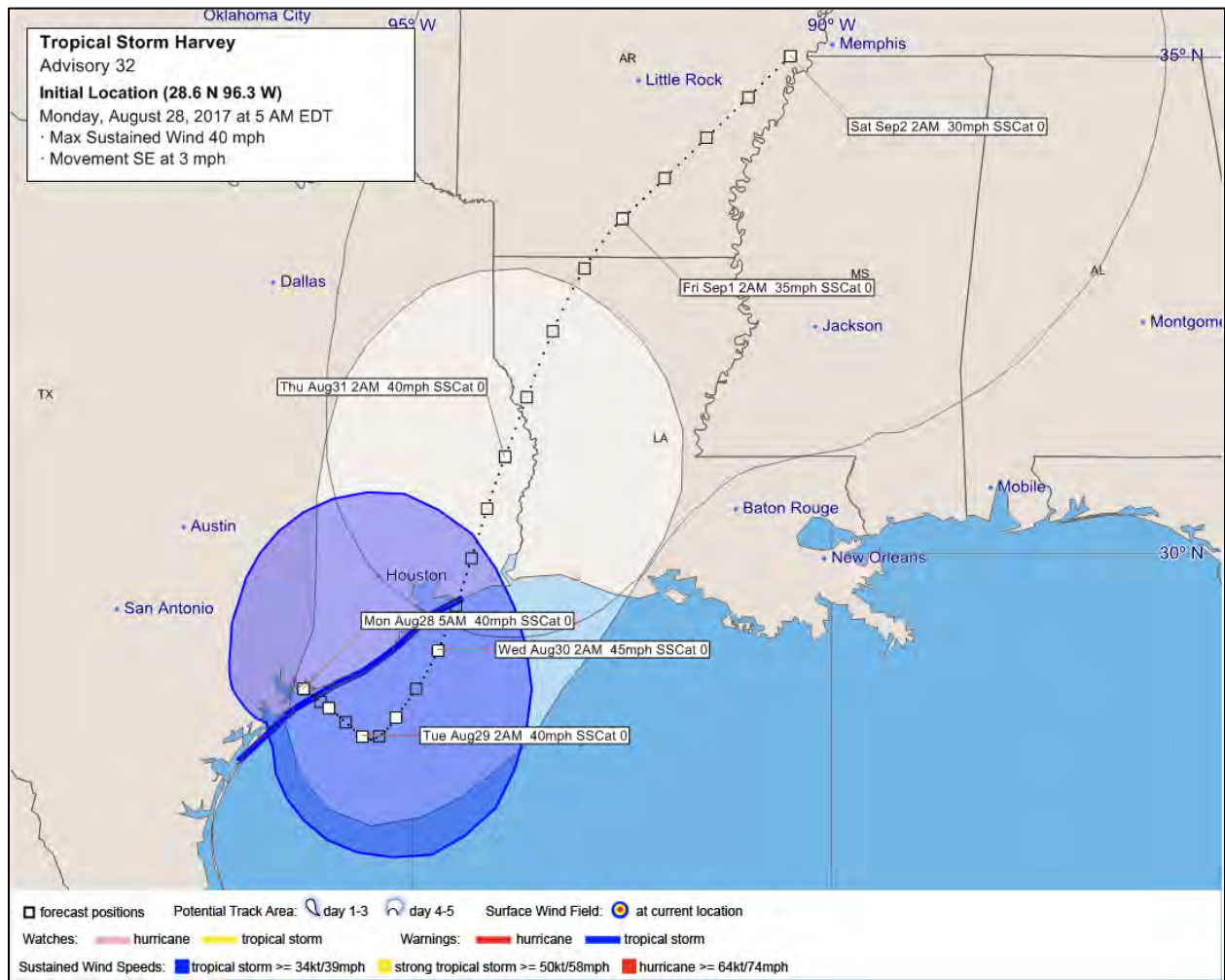
*Source: National Weather Service/National Hurricane Center – August 28, 2017*

As of 5:00 a.m. EDT, Tropical Storm Harvey was located 15 miles north-northwest of Port O'Connor, Texas, with maximum sustained winds of 40 miles per hour (mph). Harvey is moving toward the southeast near 3 mph and a slow southeastward motion is expected today. A slow northeastward motion is expected to begin on Tuesday. On the forecast track, the center of Harvey is forecast to move off the middle Texas coast this morning, and remain just offshore through Tuesday.

Harvey is expected to produce additional rainfall accumulations of 15 to 25 inches through Friday over the upper Texas coast and into southwestern Louisiana. Isolated storm totals may reach 50 inches over the upper Texas coast, including the Houston and Galveston metropolitan area. These rains are currently producing catastrophic and life-threatening flooding, and flash

flood emergencies are in effect for portions of southeastern Texas. Elsewhere, Harvey is expected to produce total rain accumulations of 5 to 15 inches farther south into the middle Texas coast, farther west toward the Texas Hill Country, and farther east across south-central Louisiana.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach one to three feet in the area of Port Aransas through Morgan City, including Galveston Bay. The deepest water will occur along the immediate coast near the area of onshore winds. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.



HURREVAC Image

**DOI Mission Assignments as of August 27, 2017:**

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>
Emergency Support Function (ESF) #5 8/25/17 TX-17082301-DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000
ESF #5 8/26/17 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000
ESF #9 8/26/17 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000
ESF #9 8/26/17 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000
ESF #11 8/25/17 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000
LNO 8/26/17 4332DR-TX_DOI-01	OEM	Activate DOI to the FEMA NRCC to perform duties of DOI Liaison to the FEMA NRCC in support of disaster operations to Hurricane Harvey.	\$10,000

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning):**

- ESF #5-USGS: The USGS has received a FEMA Mission Assignment to perform high water mark (HWM) flagging and surveying, once flood waters begin to recede. The USGS is coordinating with the U.S. Army Corps of Engineers, the National Weather Service, and the Harris County Flood Control District to prioritize discharge measurements and to support partners' operational decisions.

**ESF #8 (Public Health):**

- ESF #8-NPS: NPS Public Health Officers are on standby and ready to respond if requested.

### **ESF #9 (Search and Rescue):**

- ESF #9-(DOI): DOI reports eleven (11) Unmanned Aerial Systems (UAS) pilots across five (5) separate Bureaus and Offices (BLM, FWS, OAS, USGS, NPS) are en route to provide search and rescue support. Six personnel are expected to arrive today, and the rest will arrive by Wednesday afternoon.
- ESF #9-(USFWS): The catastrophic flooding in the Harvey-impacted area is causing the need for additional support to Search and Rescue activities. The Department has been asked to ensure all available nationwide assets be offered up to FEMA to address the need. The Service's Chief of EM & PS sent out an internal DOI Request for Information regarding availability of rescue boats, pilots and personal protective equipment (PPE)
- ESF #9-(NPS): The NPS continues to lead an effort to collect available resources from the DOI which may be able to be used in in Texas.

### **ESF #10 (Oil and Hazardous Materials Response):**

- ESF # 10 (USFWS): USFWS Spill Response Teams are monitoring Harvey's impacts and are available if needed.

### **ESF #11 (Agriculture and Natural Resources):**

- ESF #11 (NPS): NPS Natural and Cultural Resources have been identified to support federal response, as needed.
- ESF # 11 (USFWS): Departments and Agencies have been advised to identify available resources for historic preservation/structural specialists and endangered species biologists. There are three USFWS historical preservation structural specialists available to deploy, depending on the duration. Endangered species biologists are available to deploy.
- ESF # 11-OEPC: ESF #11 was activated on August 25, and DOI is supporting staffing of the ESF #11 desk at the NRCC. ESF #11 staff have also been deployed to the Regional Response Coordination (RRCC) Center in Denton, Texas and with the Incident Management Assistance Team (IMAT) at the Texas State Operations Center. ESF #11 will begin to hold a daily coordination call beginning on August 28, and DOI's OEPC Headquarters and Regional Office in Albuquerque will participate. One OEPC employee is working under the ESF #11 Mission Assignment.

### **ESF #13 (Public Safety and Security):**

- ESF # 13 (USFWS): DOI has received word from ESF-13 headquarters that our teams should expect to be moved from STANDBY status to DEPLOYMENT status August 28. Mission Assignments (MA) are anticipated the morning of August 28, and teams should

plan to start traveling as soon as possible once received. USFWS is providing 12 LEO's to Quick Reaction Team (QRT) #1.

- ESF #13 (NPS): Law enforcement support from the Southeast Region will likely move from STANDBY to DEPLOY status in the next 48 hours.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

*Source: NPS – August 27, 2017*

As the NPS continues to assess damage to its own facilities, we stand ready to support other DOI and federal partners in the unified response efforts. The Intermountain Region IMT is ready to deploy if needed.

- Padre Island (PAIS) - Staff has gone all the way down to Mansfield Channel, little debris, no hazmat so far, decent beach driving conditions. All employees returning to Corpus Christi. Power may be restored today, damage seems minor so far. May be able to handle with limited or no team and just some LE resources.
- Big Thicket (BITH) - All staff is at home. Current conditions reported are severe rain. Two (2) rangers on duty today, no reports of damage. Tornadoes have been reported in the area, but no damage within the park. No calls for assistance so far to local agencies yet. No damage reports will be available until August 29 to August 30.
- San Antonio Missions (SAAN) - All employees accounted for, impacts so far have been insignificant, comparable to typical thunderstorm. Plan to open at noon, August 28.
- Lyndon B. Johnson (LYJO) - All employees have been accounted for. Conditions reported are significant rain, wind gusts, and some power outages. Law enforcement staff are on duty and Maintenance staff have gone in to assess for any damage with none found so far.
- Jean Lafitte (JELA) - Currently unaffected, weather starting to move into units to the west, but no needs for assistance at this point.
- Gulf Islands (GUIS) Network - Only outer bands so far no assistance needed. May be open tomorrow depending on forecast.

### **U.S. Fish and Wildlife Service (USFWS) Update**

*Source: USFWS – August 27, 2017*

Region 2 has prepositioned resources and will begin accessing properties from the west, making initial assessments, potentially as early as Monday, August 28th. One boat team and two Special Operations Response Teams (SORT) have been rostered. The Hurricane Response Trailer will be mobilized to Mississippi Sandhill Crane National Wildlife Refuge (NWR) around Monday.

USFWS Southwest Region Impacted Stations report Aransas NWR has accounted for all employees with one exception. There is no cell phone coverage in that area, however that person was accounted for on August 26. The Lower Rio Grande Valley Refuge Complex (Santa Ana, Laguna Atascosa, and Lower Rio Grande Valley NWRs) will open Monday, and the fire staff is



preparing to head north. Brazoria County is under a partial mandatory evacuation, eleven (11) employees will be evacuating. The Texas Chenier Plains Refuge Complex (Anahuac, McFaddin, Texas Point, and Moody NWRs) remains closed until further notice, however there was an approved use of an agency dump truck to rescue an (Anahuac NWR) employee and her family from rising flood waters as 911 services were not available at the time. The employee and family will be sheltered at the USFWS maintenance facility in Winnie, Texas.

USFWS Southeast Region Impacted Stations report a Type 3 Incident Management Team (IMT), is rostered and on standby to deploy to support the Southwest Region. Initial conversations between the two regions have the possibility of the team covering the area between Southwest Louisiana Complex to Houston, TX down to the coastline. The team would be assessing damage at approximately 11 different locations.

### **Bureau of Safety and Environmental Enforcement (BSEE) Update**

*Source: BSEE – August 28, 2017*

The BSEE reports that all of their employees have been accounted for and are safe. The Lake Charles District Office, as well as the Lake Jackson and Houston Offices, are closed August 28. The BSEE Lake Jackson office was assessed by the building owners and has been deemed safe for occupation, for now. BSEE will conduct their own assessment before employees will be allowed back in; however, the issue at this point is that staff may not be able to get there. Most rivers and bayous in the Houston area are already at higher than record flood levels, making it difficult for employees of the Lake Jackson and Houston offices to even reach the facilities. The Houston offices currently have no damage incurred, but will remain closed to the public and only open to federal tenants. Administrative Leave is being recommended for Monday and Tuesday for Lake Jackson. Reports indicate that the Texas Department of Transportation is requesting people not be on the roads until later in week, unless your area has been designated as mandatory evacuation route.

### **United States Geological Survey (USGS) Update**

*Source: USGS – August 27, 2017*

Over fifteen crews from the Houston, San Antonio, and Austin offices were out on Sunday to conduct discharge measurements. Approximately 20 sites have been visited over the last two days. An additional 4 crews are heading to Texas to assist the Texas crews with the large number of high water marks to flag and discharge measurements to conduct.

On Sunday, discharge measurements have been made in the Colorado, Brazos, Lavaca, Guadalupe, San Antonio, Nueces, and San Jacinto River basins. More than 30 new flood gages that have been installed in Texas over the last year, and half are of particular interest for high water measurements to assist the National Weather Service (NWS) in flood forecasting. The USGS is also coordinating with the NWS on emergency rating extensions at many sites and working with the U.S. Army Corps of Engineers and other cooperators to assist them as needed.

An additional 10 inches of rain is predicted for the Houston area and other areas in south-central Texas, so field work is anticipated to continue until mid-week, as long as the crews can safely

access the sites. As the widespread flooding continues, access to sites has become limited or even impossible to reach. It is anticipated that, as floodwaters move downstream, peaks of record will be recorded at mainstem sites on the Brazos, San Bernard, and Colorado Rivers. The USGS Texas crews will do everything they can to reach the sites for historic measurements as this happens.

**DOI Telecommunication Update**

*Source: DOI Office of Chief Information Officer (OCIO)– August 28, 2017*

Office of the Chief Information Officer (OCIO): The OCIO reports DOI-Enterprise Services Network is able to report eight DOI Sites with network services outages due to Harvey. There have been no known major site outages. There are no Telecommunication Service Priority site outages, and there are no known VIP site outages due to the storm. The NPS NER-IMT has advised ESN to be on standby for any emergency requests for network communications.

Customer	Status	Comment
NPS (Thibodaux, LA)	Down	Site shut down due to Hurricane Harvey
FWS (Austwell, TX)	Down	Pending Customer update on Equipment/Power
FWS (Houston TX)	Down	Customer powered down due to storm.
NPS (Derry, LA)	Up	Power Restored
BSEE (Houston TX)	Down	Site shut down due to Hurricane Harvey
USGS (Corpus Christi, TX)	Down	Lan2Lan, Pending update on Equipment and Power
FWS (Corpus Christi, TX)	Down	Lan2Lan site down
NPS (Corpus Christi, TX)	Down	Island shut down due to Hurricane Harvey
NPS (New Orleans, LA)	Down	Site powered down until 08/28 at a minimum.

**Other Federal and State Government Reporting**

**Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA - August 28, 2017*

The FEMA National Watch Center is at Watch/Steady State, and the FEMA National Response Coordination Center (NRCC) is activated to Level I (24/7 operations). FEMA has established three staging areas to support rapid distribution in response to state requests at near Seguin, Texas, Dallas-Ft. Worth, Texas, and Camp Beauregard, Louisiana for water, meals, blankets, and other resources. The FEMA Region VI Regional Response Coordination Center (RRCC) is activated to Level I (24/7 operations), and the FEMA Region VIII RRCC is activated at Level III in support of the National Incident Management Assistance Team deployment. FEMA Region VIII RRCC activated to Level III (day shift) to support Region VIII IMAT deployment. The

Texas State Emergency Operations Center (SEOC) remains at full activation, and the Louisiana SEOC remains at partial activation.

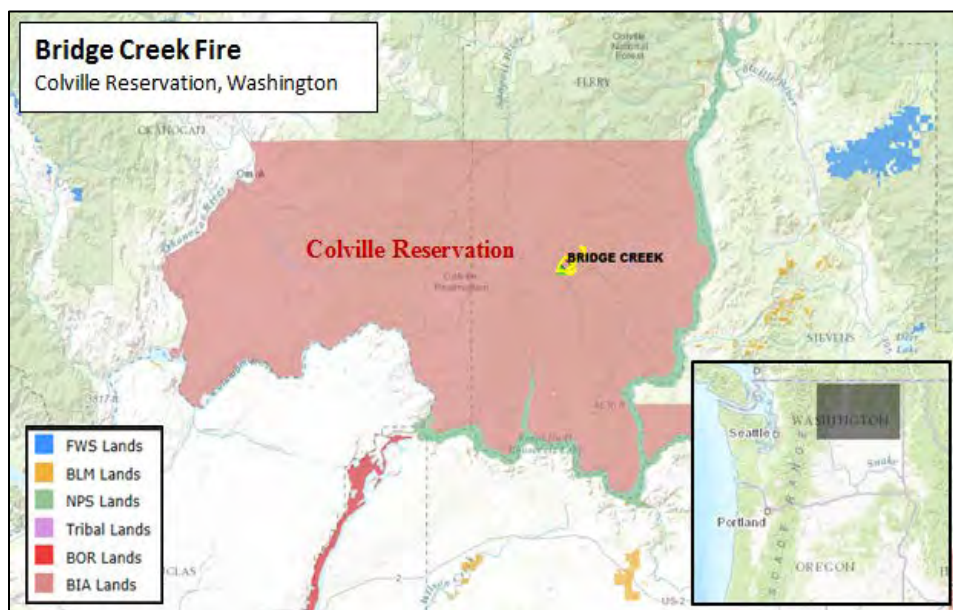
### **Wildland Fire Activity**

Source: *Fire and Aviation Management Website - August 28, 2017*

The **Grassy Hills Fire** (Idaho) and the **Kelton Fire** (Utah) were not reported; therefore, the fires will no longer be summarized in this report.

### **Washington**

#### **Bridge Creek Fire**



IGEMS Image

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,440 (+770)
- Containment: 42-percent (+9)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 509 (-5) / 45 (-19)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. There are impacts to Bridge Creek Road, a main transportation route,

from smoke, rocks, and fire traffic. The Colville Tribe's local government is impacted and cultural and natural resources are threatened.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Deer Park	Jefferson, ID	BLM	3	17,588	65%	August 28
Painted Hill	Big Horn, MT	BIA	3	2,496	80%	August 31
Doonan	Powder River, MT	BLM	3	1,700	30%	August 30
Wolverine	Glacier, MT	BIA	4	3,035	70%	August 25
Lyons	Lyon, NV	BLM	3	1,856	90%	August 29
Nena Springs	Wasco, OR	BIA	4	68,135	85%	August 23

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 28, 2017*

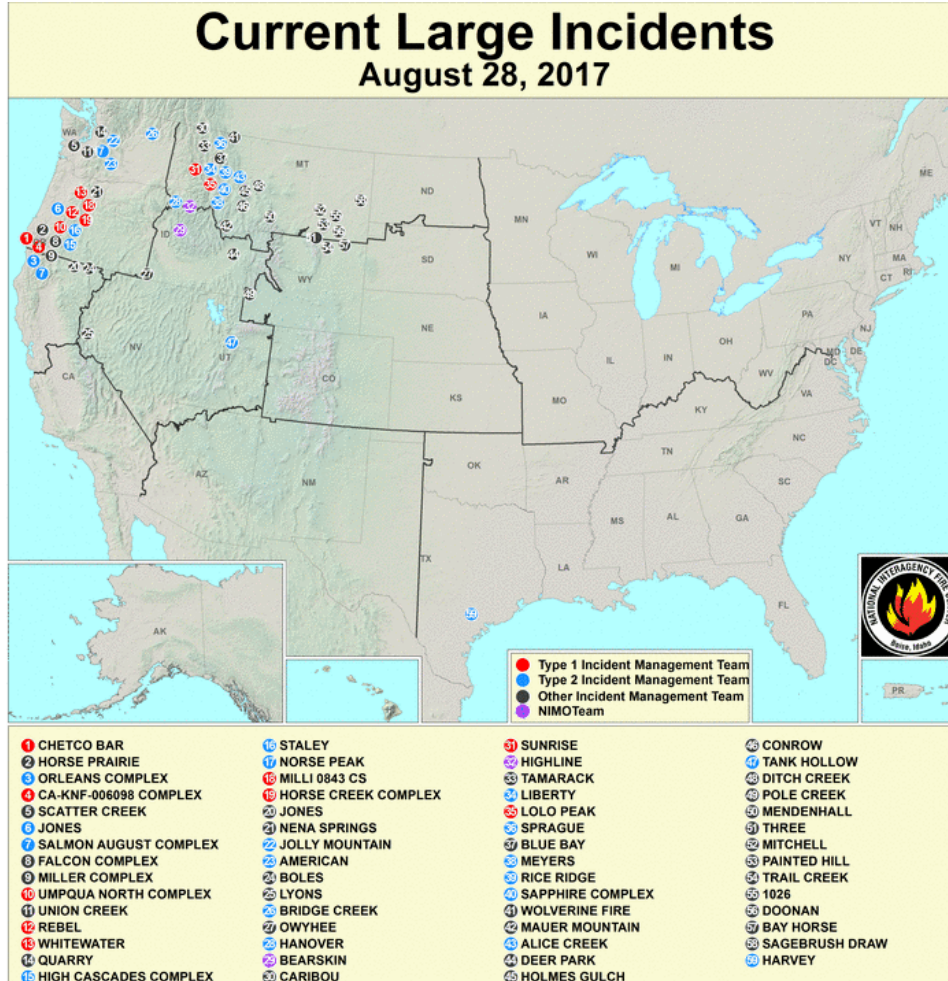
**National Preparedness Level 5**

**National Fire Activity**

Initial attack activity:	Light (103 new fires)
New large fires:	5
Large fires contained:	7
Uncontained large fires: **	36
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	9
Type 2 IMTs committed:	18

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 27, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Following the short duration explosive eruption on August 27, satellite images showed a small eruption cloud that rose to about 26,000 feet above sea level that drifted to the southeast. Since this event, seismicity and infrasound has been quiet, and no lightning has been detected. The National Weather Service Alaska Aviation Weather Unit issued a Significant Meteorological Information (SIGMET) statement for this eruption, but the volcano remained at an Alert Level of Watch and Aviation Color Code of Orange. The Bogoslof Volcano remains at a heightened state of unrest, and additional explosive eruptions could occur at any time.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Cleveland Volcano, and persistent elevated surface temperatures have been observed in cloudy satellite imagery during this reporting period. The elevated surface temperatures may indicate that a new lava dome is being emplaced within the summit crater following the brief explosion last week that destroyed the previous crater lava dome. Clouds obscured views of the volcano by web camera. No unusual seismicity or airwave signals in infrasound data were detected yesterday.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Summit tiltmeters began recording deflationary tilt. The lava lake rose slightly during yesterday's period of summit inflation but this morning remains out of sight below the Overlook crater rim.

## **Significant National Weather**

*Source: National Weather Service - August 28, 2017*

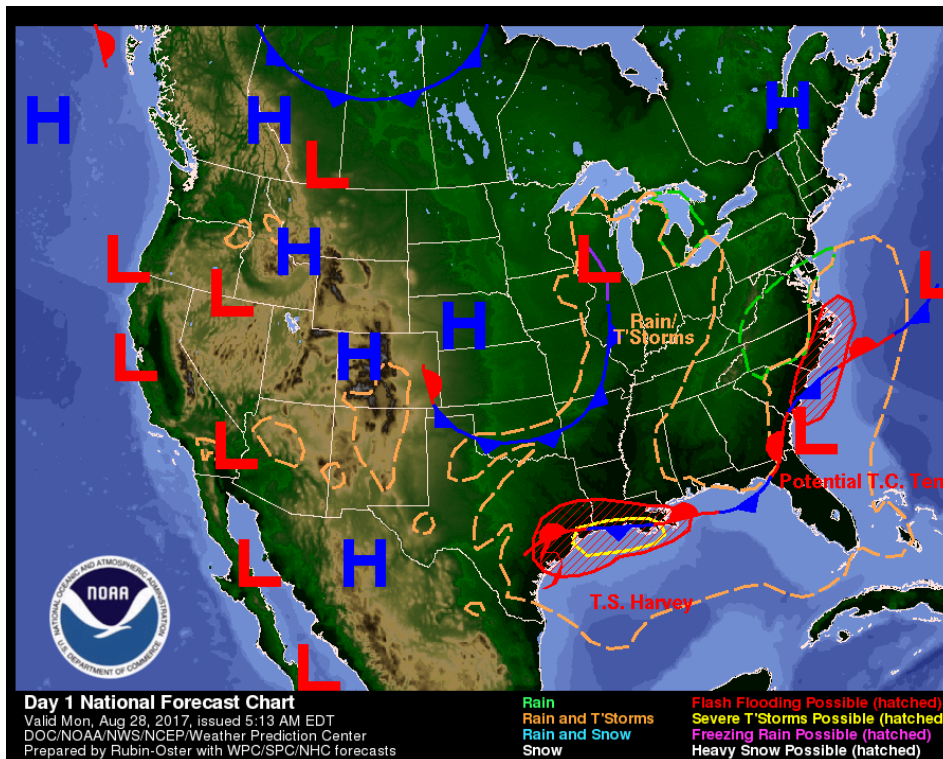
### **Today**

Tropical Storm Harvey continues to be a slow mover given the weak steering currents. As a result, very little motion has been evident during the past couple of days as it spins west of Houston, Texas. On early Sunday morning, three-hour rainfall totals exceeded 12 inches over southern Houston. As an expansive area of southeast Texas has seen 20 to 30 inches of rainfall due to Harvey, the grounds are beyond saturation leading to abundant runoff. Consequently, life-threatening flash floods are possible with any additional heavy rainfall. The threat will continue to expand eastward in time into southwestern Louisiana as Harvey drifts toward the upper Texas coast. Additionally, as is common with any tropical circulation, brief tornadoes may form anywhere from Galveston, Texas eastward to just south of New Orleans, Louisiana. The threat is expected to maximize closer to the coast where some of the better instability will reside. While much of the nation focuses on the impacts from Harvey, a potential tropical cyclone is likely to form over the coastal waters of Georgia. The current forecast track takes the circulation east-northeast, generally grazing the southern Outer Banks of North Carolina. The close proximity to the coastal Carolinas will lead to heavy rainfall, gusty winds, and rough seas in the Atlantic. During the next couple of days, expected rainfall amounts will

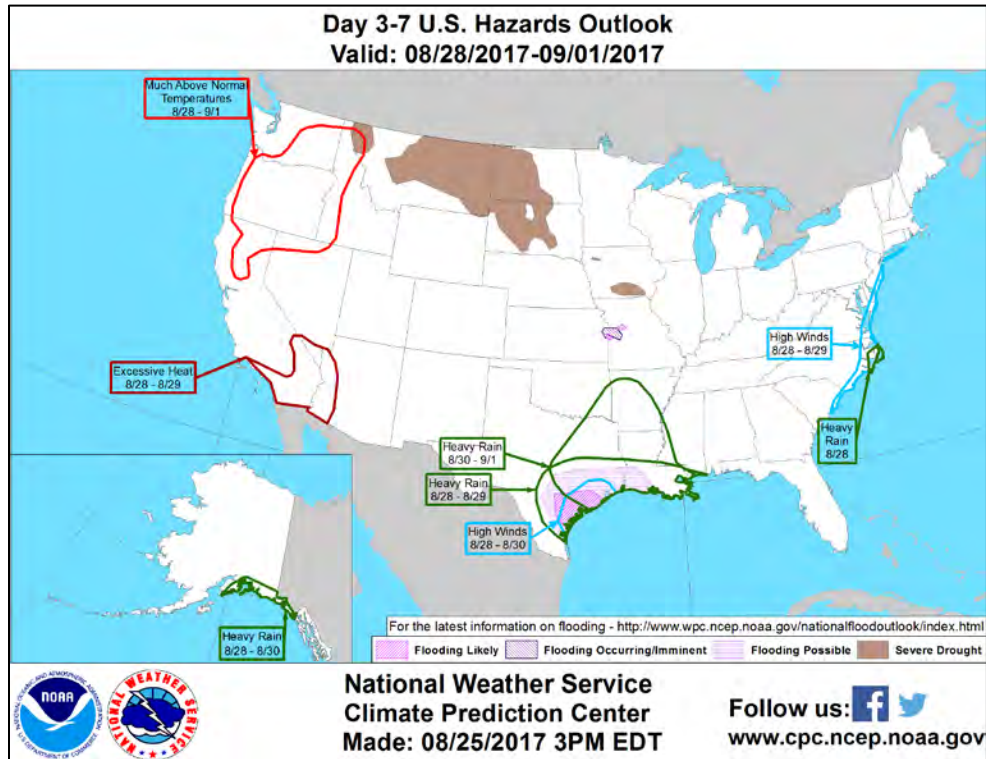
range from 3 to 5 inches from Myrtle Beach, South Carolina up to the Outer Banks. Rain and thunderstorms will develop from the Great Lakes southward through the lower Ohio and Tennessee Valleys to the lower Mississippi Valley. Elsewhere, scattered afternoon and evening showers and thunderstorms will develop across portions of the Four Corners and the northern Rockies.

**Tomorrow**

Tropical Storm Harvey will continue to meander around and near the central Texas coastal region. Rain and thunderstorms will continue across eastern Texas expanding into Louisiana, southern Mississippi, Alabama and Florida. Flooding and flash flooding will continue across southeast Texas and will be expected for southern Louisiana. Risk for a couple of tornadoes will persist across portions of the western Gulf Coast region. Off the Carolina coastal region Potential Tropical Cyclone Ten (PTC 10) will threaten the region. Rain and thunderstorms will develop along the immediate coastal regions with the potential of flooding and flash flooding. Rain showers will be possible for the remainder of North Carolina, Virginia and portions of the mid-Atlantic. Rain and thunderstorms will also develop across portions of the central Great Lakes, Ohio and Tennessee Valley regions. Elsewhere, scattered afternoon and evening showers and thunderstorms will blanket the Four Corners, Great Basin and northern Rockies.



## Weather Hazard Assessment

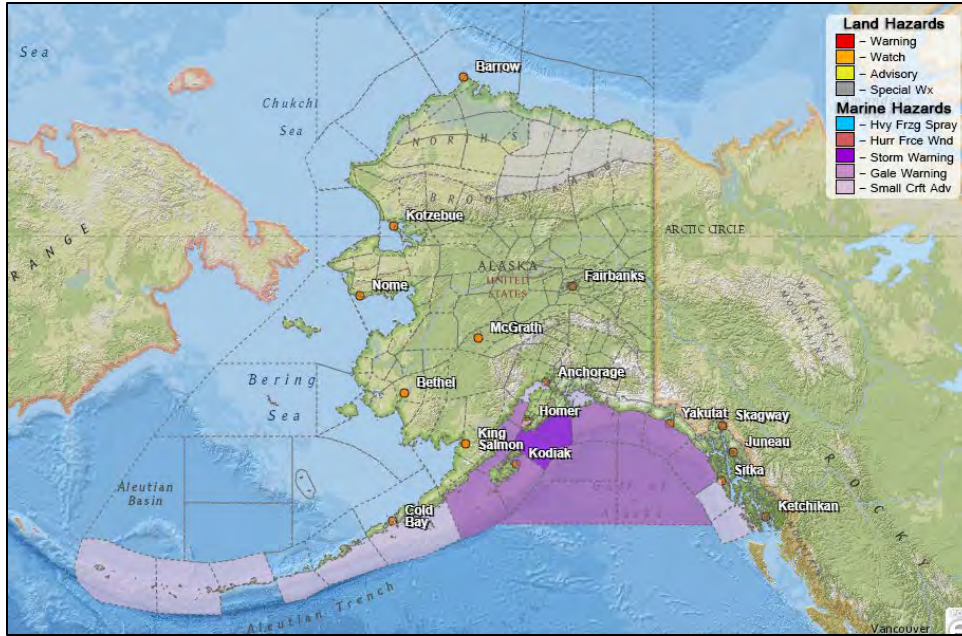


- August 28: Heavy rain for the Outer Banks of North Carolina
- August 28-29: Heavy rain for the Texas Gulf Coast, inland areas of southeastern and south-central Texas, and the lower Mississippi Valley
- August 28-29: High winds shifting north from the coastal Carolinas to Long Island
- August 28-29: Excessive heat for parts of southern California and the desert Southwest
- August 28-30: High winds for the Texas Gulf Coast and inland areas of southeast Texas
- August 28-30: Heavy rain for the Kenai Peninsula, Prince William Sound, and northern Alaska Panhandle
- August 28-September 1: Flooding likely or possible for the Texas Gulf Coast, inland areas of southeastern Texas, and southwestern Louisiana
- August 28-September 1: Much above-normal temperatures for parts of the Pacific Northwest, northern Great Basin, and northern Central Valley of California
- August 30-September 1: Heavy rain expanding north from southeastern and south-central Texas to Arkansas and southeastern Oklahoma

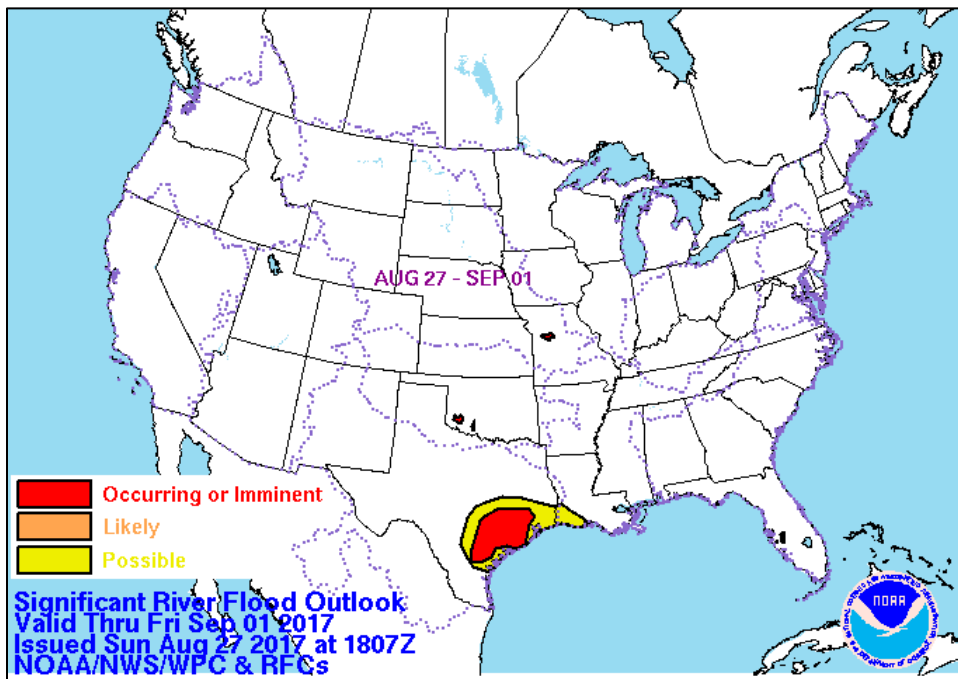
### Alaska Weather

A Small Craft Advisory is in effect from Kiska to Seagum Bearing Sea side, from Kiska to Castle Cape Pacific side, the Cook Inlet, Prince William Sound, and from Cape Esgecumbe to the Dixon Entrance. A Gale Warning is in effect throughout the Gulf of Alaska. There is a Storm Warning from the Barren Islands East through Cape Clear. There is a Special Weather Statement forecasting snow in Brooks Range.



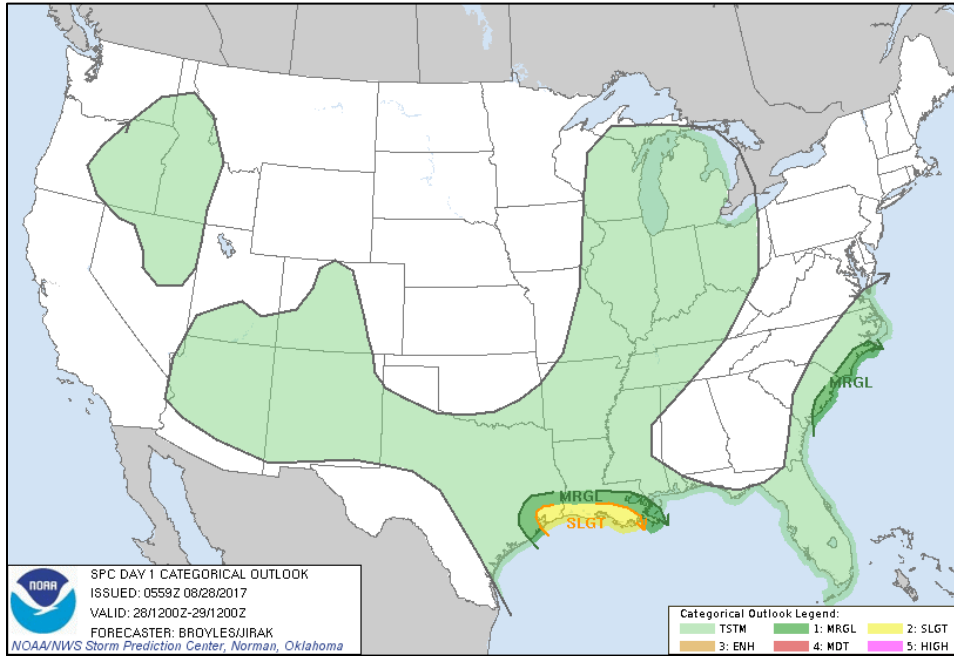


**Significant River Flooding**



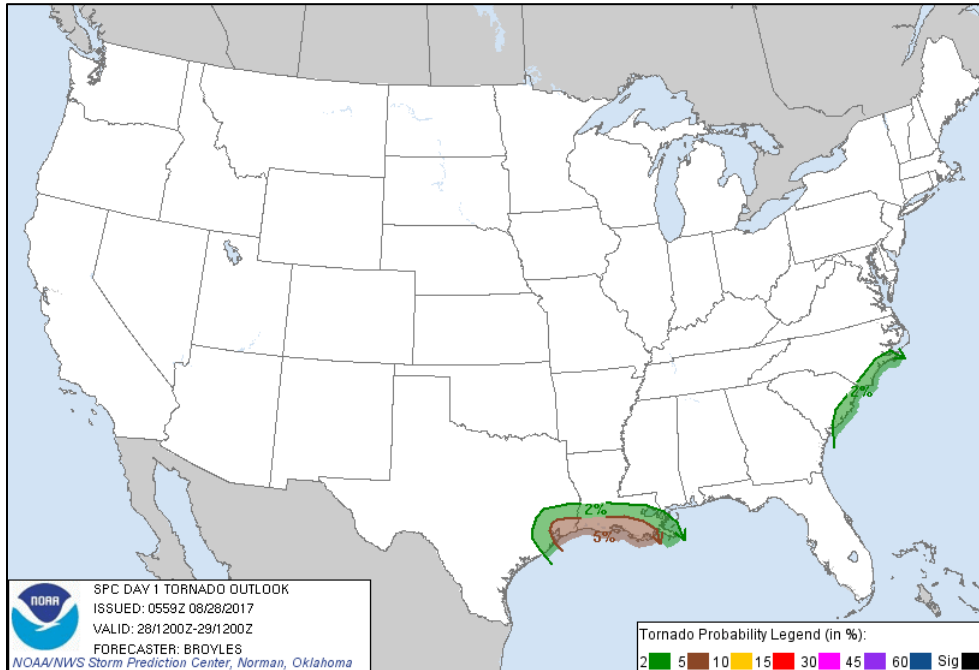
Significant River Flooding is occurring or likely in southeastern Texas, southwestern Oklahoma, and central Missouri. Significant River Flooding is possible in southeastern Texas and southwestern Louisiana.

## Severe Weather



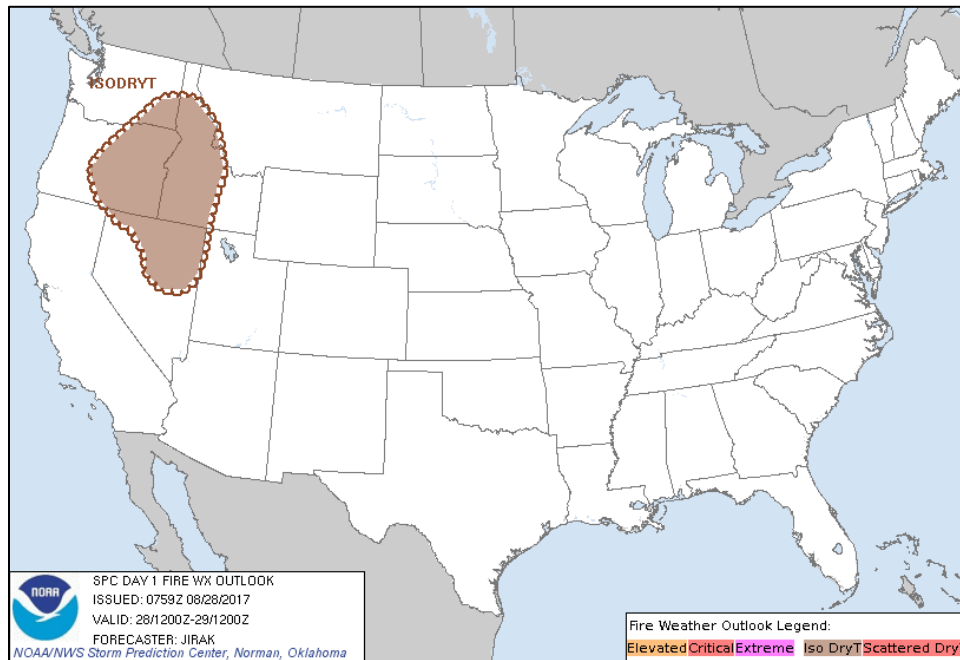
There is a Slight Risk of severe thunderstorms along the northern coast of Texas through the Louisiana coastline. There is a Marginal Risk of severe thunderstorms from Houston, Texas, along the Gulf Coast through Metairie, Louisiana, and along the coastline of the Carolinas.

## Tornado Weather



There is a 5-percent chance of tornado activity today in southeastern Texas and southern Louisiana. There is a 2-percent chance of tornado activity along the Gulf Coast in southeastern Texas and Louisiana, as well as in eastern South Carolina and southeastern North Carolina.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are possible for parts of Idaho, southeastern Washington, eastern and central Oregon, and northern and central Nevada.

## Tropical Weather Activity

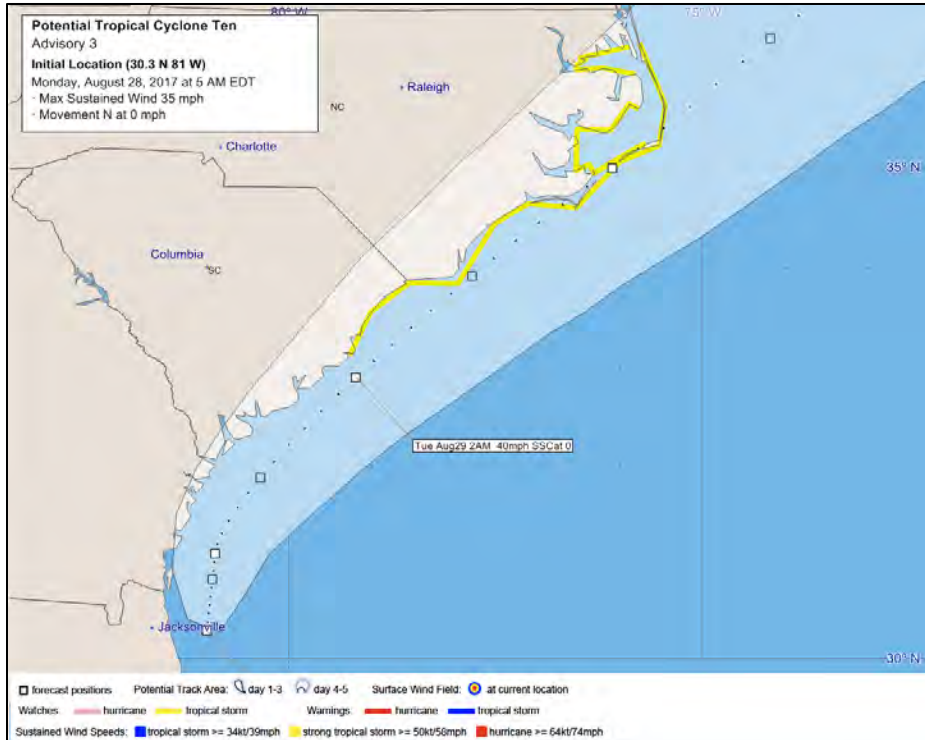
Source: National Weather Service/National Hurricane Center – August 28, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Potential Tropical Cyclone 10:** As of 5:00 a.m. EDT, Potential Tropical Cyclone Ten was located 185 miles south-southwest of Charleston, South Carolina, with maximum sustained winds of 35 mph. A slow northward motion is expected on August 28, followed by a faster northeastward motion on the evening of August 28 through August 29. Strengthening is forecast during the next 48 hours and the system is expected to become a Tropical Storm later today. The system is stationary, and a slow and erratic motion is forecast through this afternoon, followed by a faster northeastward motion tonight and Tuesday. On the forecast track, the system will move near the Georgia and South Carolina coasts today, and move along the North Carolina coast tonight and Tuesday.

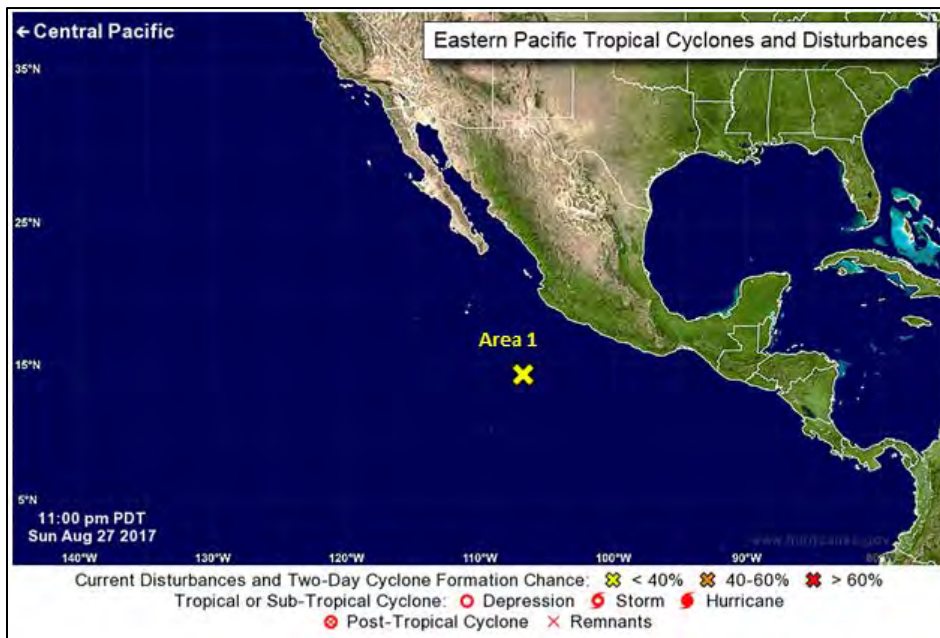
A total rainfall of 2 to 4 inches is expected along the coast from South Carolina to Virginia, with possible isolated maximum amounts of 6 inches. Some strengthening is forecast during the next

48 hours, and the system is expected to become a Tropical Storm by Tuesday morning. The cyclone is forecast to become post-tropical by Tuesday night. A Tropical Storm Watch remains in effect from South Santee River, South Carolina to Duck, North Carolina, and along Albemarle Sound, South Carolina and Pamlico Sound, North Carolina.



HURREVAC Image

### Eastern Pacific Ocean



**Area 1:** An elongated trough of low pressure located several hundred miles south of the southern tip of the Baja California peninsula is producing a widespread area of disorganized showers and thunderstorms. Environmental conditions are forecast to be conducive for development, and this system is likely to become a tropical depression within a few days while it moves generally northward. Formation chance through 48 hours is low at 30 percent.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, August 29, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Tropical Storm Harvey - Southeastern Texas

### **General Situation**

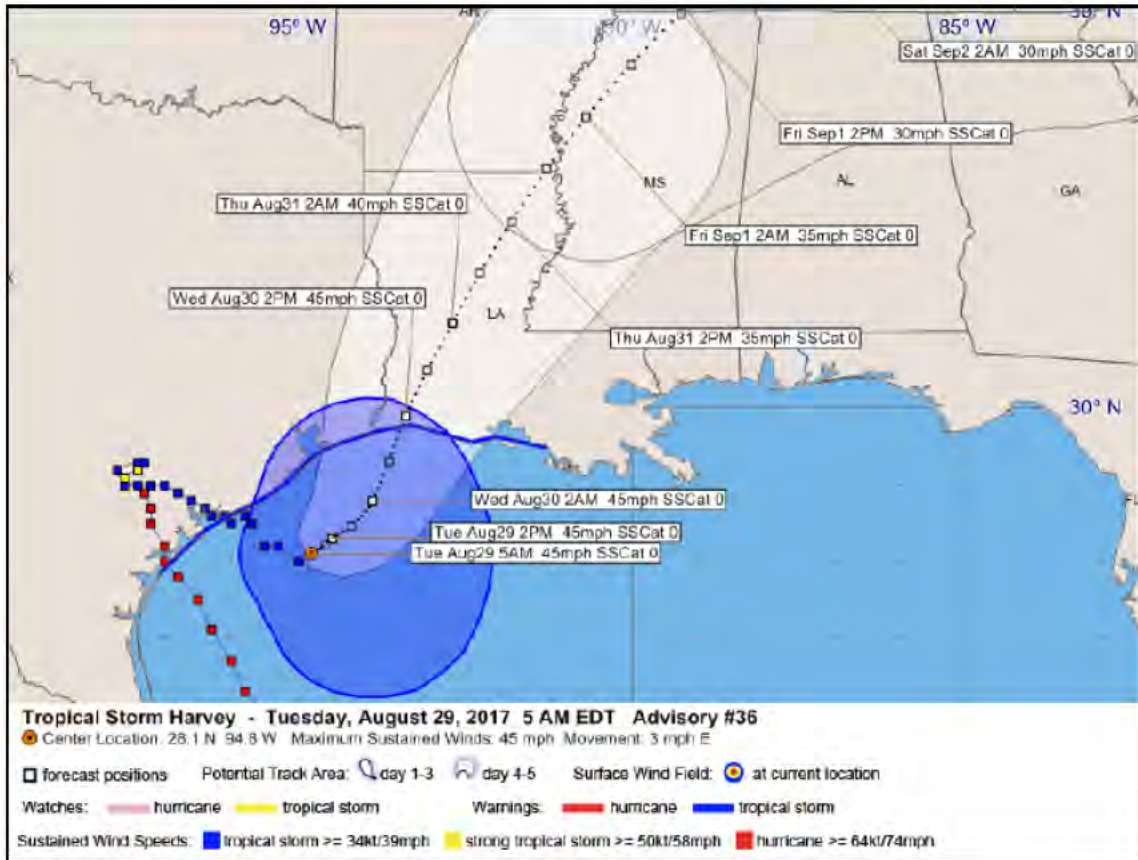
*Source: National Weather Service/National Hurricane Center – August 29, 2017*

As of 5:00 a.m. EDT, Tropical Storm Harvey was located about 100 miles east-southeast of Port O'Connor, Texas, with maximum sustained winds of 45 miles per hour (mph). Harvey is moving toward the east at 3 mph and a slow southeastward motion is expected today. The storm should turn northeastward to north-northeastward over the next couple of days as a ridge to the northwest of the system that had caused the storm just inland over the weekend weakens, and Harvey is steered around the ridge to the east.

Harvey is expected to produce additional rainfall accumulations of 7 to 13 inches across the upper Texas coast into southwestern Louisiana, with isolated storm totals as high as 50 inches overall. As the storm starts moving easterly, the flood threat has spread farther east into Louisiana. Additional rainfall amounts of 5 to 15 inches are expected in south-central Louisiana. Rainfall amounts of 5 to 10 inches are expected in southeastern Louisiana and coastal Mississippi and Alabama.

A Tropical Storm Warning is in effect for an area from Mesquite Bay to Intracoastal City. A Storm Surge Watch is in effect for an area from Port Bolivar to Morgan City. The water is

expected to reach heights of 1-3 feet above ground if the peak surge occurs at the time of high tide within the Watch Area, which includes Galveston Bay.



HURREVAC Image

**DOI Mission Assignments as of August 28, 2017:**

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire (OWF)	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 – NPS personnel
Emergency Support Function (ESF) #5 8/25/17 TX- 17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel
ESF #5 8/26/17 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	0 USGS personnel deployed under the Mission Assignment.
ESF #9 8/26/17 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000	2 NPS Personnel
ESF #9 8/26/17 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	11 UAS Pilots BLM – 6 FWS – 1 OAS – 1 USGS – 1 NPS – 2
ESF #11 8/25/17	Office of Environmental	Support ESF #11 position activation at the NRCC.	\$10,000	2 OEPC personnel



TX-17082301-DOI-02	Policy and Compliance (OEPC)			
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked larger ESF-13 \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES

**DOI Emergency Support Function (ESF) Support:**

**ESF #4 - Firefighting:**

ESF #4- National Park Service(NPS)

- There are 3 NPS employees are rostered to support a Type-2 Incident Management Team (IMT) from wildland fire, and are estimated to arrive in Texas on August 29.

**ESF #5 (Information and Planning):**

ESF #5-United States Geological Survey (USGS):

- USGS has received a Federal Emergency Management Agency (FEMA) Mission Assignment (MA) to perform high water mark (HWM) flagging and surveying, once flood waters begin to recede.
- USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once HWM and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.
- USGS has developed rating curve extensions for 25 streamgauge locations in order to support National Weather Service river and flood forecasting operations.
- USGS will be performing special streamflow discharge measurements immediately downstream of the Barker and Addicks Reservoirs in order to support U.S. Army Corps of Engineers (USACE) flood operations and inform the USACE planning.

## **ESF #8 (Public Health):**

### ESF #8 National Park Service (NPS):

- NPS has 25 Public Health Officers on standby and ready to deploy, if requested.

## **ESF #9 (Search and Rescue):**

### ESF #9 (USGS):

- The USGS is prepared to support a FEMA MA to the Department of the Interior (DOI) for unmanned aerial system (drone) support to response operations.

### ESF #9 (NPS):

- Mobilized boat teams from eight park units including 8 boats and 18 staff who should be on site in Texas by today. Also, tracking 25 additional boats from other DOI agencies and an additional 9 boats from the NPS which may be used.
- There are two staff from the NPS currently serving with the interagency Federal Search and Rescue Coordination Group (FSARCG) in College Station.
- DOI OAS has two NPS employees from Alaska traveling to College Station.

## **ESF #11 (Agriculture and Natural Resources):**

### ESF # 11-Office of Environmental Policy and Compliance (OEPC):

- ESF #11 was activated on August 25, and DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center (NRCC). ESF #11 staff has also been deployed to the Regional Response Coordination (RRCC) Center in Denton, Texas and with the Incident Management Assistance Team (IMAT) at the Texas State Operations Center (SOC). ESF #11 is holding daily coordination calls. DOI's OEPC Headquarters and Regional Office in Albuquerque, New Mexico are participating in these calls. There may be a future need for DOI assets with expertise in historic structures and endangered species. There is one (1) OEPC employee working under the ESF #11 MA.

## **ESF #13 (Public Safety and Security):**

### ESF # 13 U.S Fish and Wildlife (USFWS):

- DOI has received approval for additional manpower. The total number of Law Enforcement Officers (LEOs) is 1,000, though ESF-13 is requesting an additional 700 to bring the total to 1,700. DOI has also been requested to have additional teams standby.

ESF #9 has requested that all LEO boat operators deployed under ESF #13, transport their government vessel to the staging area to be tasked under ESF #13, until such time as they are demobilized and reassigned under ESF #9.

- There are two (2) Quick Reaction Teams (QRT) that have been stood up to deploy, totaling 49 personnel. Bureau contacts were provided with the MA and the mission briefing packet to disseminate to team members. All responding personnel are to check in at the processing center in San Antonio, and then will receive their exact assignment and duty location. It is anticipated that most of the logistics will be centered around Katy, Texas.

ESF # 13 NPS:

- The Southeast Region SET Law Enforcement Team has been activated with 12 NPS Employees and deployed to Katy, Texas as of yesterday.

**DOI Bureau and Office Reporting**

**National Park Service (NPS) Update**

Source: NPS – August 28, 2017

The Intermountain IMT has mobilized and is enroute to an initial operating facility in San Antonio, with eight NPS employees. They will stand up an interagency IMT with FWS employees to manage life safety, property, and environmental considerations on DOI lands in the impacted area. Additional NPS updates are as follows:

- Padre Island (PAIS) - The park remains closed and all employees have been accounted for. Some employees may have homes impacted, the park will be working with EAP and FEMA to provide assistance. The park sustained minor damage and will likely be able to be fixed with in-house resources. PAIS is reporting that they may be able to open the park back up by August 31 and it continues to inspect some systems.
- Big Thicket (BITH) -The park remains closed and all employees have been accounted for. Some employees have been impacted locally or are with family in the greater area. There were no employees at the park yesterday and access routes are flooded. With forecasted rainfall amounts, major impacts should start Wednesday, August 30.
- San Antonio Missions (SAAN) - Returned to normal operations yesterday. There have been light impacts from the storm and no damage reported.
- Lyndon B. Johnson (LYJO) - Returned to normal operations yesterday. Minimal damage to some structures was reported; however, the repairs can be handled internally. A local Flood Warning was lifted yesterday.

- Jean Lafitte (JELA) - The park has not been affected and has no need for assistance at this time. They are anticipating rain in the coming days, and a Flash Flood Watch is in effect.
- Gulf Islands (GUIS) Network - The employees are returning home based on travel conditions.
- Cane River (CARI) - The park is open with normal operations. Currently, there is no flooding; however, localized flooding may occur later this week. They are initiating tropical storm preparations today, and if the forecast remains, the storm will be over the park on Thursday morning. CARI is considering closing on August 30, and remaining closed through August 31, at a minimum. A major issue will be roads to and from the park which have a tendency to flood. The final decision about closures will be made today.

### **U.S. Fish and Wildlife Service (USFWS) Update**

*Source: USFWS – August 28, 2017*

Response teams will likely be able to access the Aransas and Matagorda National Wildlife Refuges (NWR). The Aransas NWR barge has been deemed safe and secure since the storm's passing and all FWS personnel in the impacted areas have been accounted for. Heavy equipment was staged at a forward operating base in Beeville, Texas prior to the Harvey's arrival. Two Saw teams from Arizona and New Mexico will be deployed to Balcones Canyonlands NWR to begin clearing operations when it is safe. The Lower Rio Grande Valley Refuge Complex has reopened and is beginning resource assessments.

Within the next 24-48 hours, additional equipment will be arriving to continue recovery operations. Recreational Vehicles will be sent to Beeville, while a Hurricane Response Trailer (HRT) from Wichita Mountains NWR will be dispatched to Balcones Canyonland. An additional HRT is on standby and ready to mobilize where needed.

### **United States Geological Survey (USGS) Update**

*Source: USGS – August 28, 2017*

The USGS has 32 employees deployed to provide discharge measurements and repair gages, if possible. Twenty-five measurements were made on August 27. Accessibility is an issue at many of the sites and water levels may reach levels that are too dangerous to measure. Currently seven gages have been damaged or destroyed, but most of these are not accessible due to road closures.

The USGS has worked closely throughout the storm to assist the NWS, the U.S. Army Corps of Engineers (USACE), and other state and local agencies with their responsibilities. More than 25 discharge ratings have been extended for the NWS river forecasts. The Texas Water Science Center (TXWSC) staff have fielded interactions with the State Operation Center for emergency responders, the media to provide public information, and the many public inquiries seeking information about expected impacts.

## **Bureau of Indian Affairs Update**

*Source: Bureau of Indian Affairs (BIA)– August 28, 2017*

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call yesterday, in support of the Tribes impacted by Hurricane Harvey. With over 90 participants, the TAC-G received reports from FEMA Region VI, BIA EM, the Coushatta Tribe of Louisiana, the Louisiana Governor's Office of Homeland Security & Emergency Management (GOHSEP), and the United South and Eastern Tribes (USET). The FEMA Disaster Assistance Improvement Project (DAIP) gave a presentation on DisasterAssistance.gov, briefing the TAC-G on the benefits of DisasterAssistance.gov for disaster survivors. DOI Office of Environmental Policy and Compliance (OEPC) gave a briefing on ESF-11 activities in Texas and Louisiana.

Tribes currently affected by Harvey reported the following:

### *Alabama-Coushatta Tribe of Texas*

Tribal Offices have been closed for Monday and Tuesday, while several State and County roadways have been closed due to flooding, and Flash Flood Warnings remain in effect. Tribal residents who decided to shelter in place in the impacted area were contacted by Alabama-Coushatta Fire Department and given supplies. A shelter will be opened for the Tribal residents at the Multi-Purpose Center. A Tribal Disaster Declaration has been issued by the Alabama-Coushatta Tribe of Texas Tribal Council. A copy of the declaration was forwarded to the State of Texas and FEMA. Red Cross has contacted the Tribe to provide assistance. The Tribe requested assistance with acquiring bottled drinking water.

### *Tunica-Biloxi Indian Tribe of Louisiana*

The Tunica-Biloxi Indian Tribe of Louisiana has developed a list of emergency resources that has been shared with state and federal partners, including the Tribal Assistance Coordination Group (TAC-G). FEMA provided registration information to share with Tunica-Biloxi Tribal members living in current counties designated in the current Texas declaration. BIA EM, the Indian Health Service (IHS), and the Louisiana GOHSEP are coordinating together to address the needs of the Tribes.

### *Coushatta Tribe of Louisiana*

The Tribe requested numerous resources from the IHR TRANSAM program, a Civilian-Military Cooperative Action Program between the IHS and the Department of Defense (DOD) concerning distribution of medical equipment and other supplies obtained from closure of military bases, as well as other direct transfer sources such as the GSA Excess program. BIA EM invited the Louisiana GOHSEP to the TAC-G conference call to focus the request, ascertaining whether there were resources closer to the Tribe, and coordinating assistance plans, in support of the Tribe. The request from the Tribe included a high profile rescue vehicle, rescue boats, sandbags, generators, and emergency lighting. Between LA GOHSEP and IHS, the request will be completed within the next few days.

All other Tribes have reported in today to FEMA, IHS, and BIA EM with no unmet needs.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA - August 29, 2017*

The FEMA National Watch Center remains at Watch/Steady State. The FEMA National Response Coordination Center and FEMA Region VI Regional Response Coordination Center (RRCC) both remain activated at Level I (24/7). FEMA has established four Incident Support Bases (ISB) two in Texas and two in Louisiana, and is establishing an additional ISB in Texas. The U.S. Coast Guard (USCG) has closed the ports of Houston, Galveston, and Texas City for the next 48 hours. The TX State Emergency Operations Center (SEOC) remains at full activation. The LA SEOC is at partial activation. Approximately 12,000 members of the Texas National Guard and 440 members of the LA National Guard have been activated.

#### **Wildland Fire Activity**

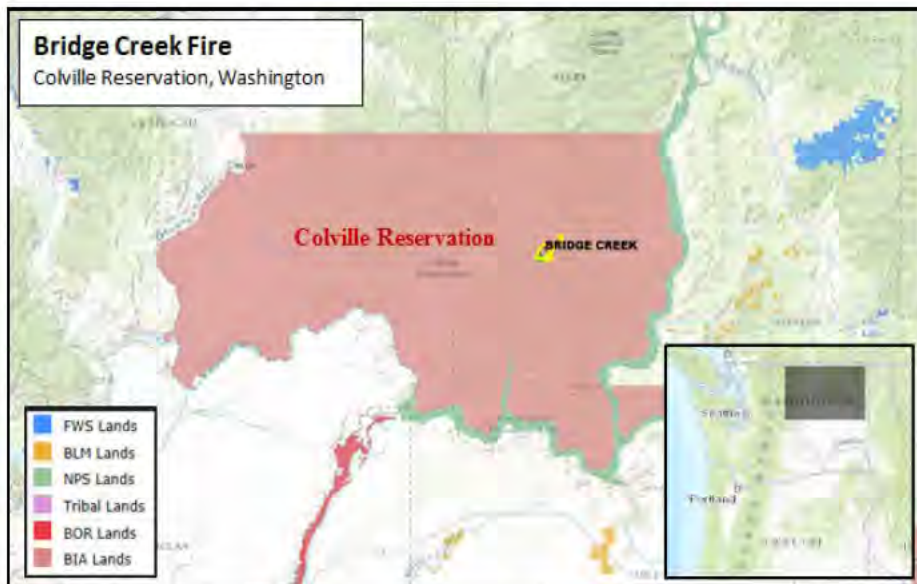
*Source: Fire and Aviation Management Website - August 29, 2017*

### **Washington**

#### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,518 (+78)
- Containment: 42-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 498 (-11) / 25 (-20)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 2 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. There are impacts to Bridge Creek Road, a main transportation route, from smoke, rocks, and fire traffic. The Colville Tribe's local government is being impacted, and cultural and natural resources are threatened.

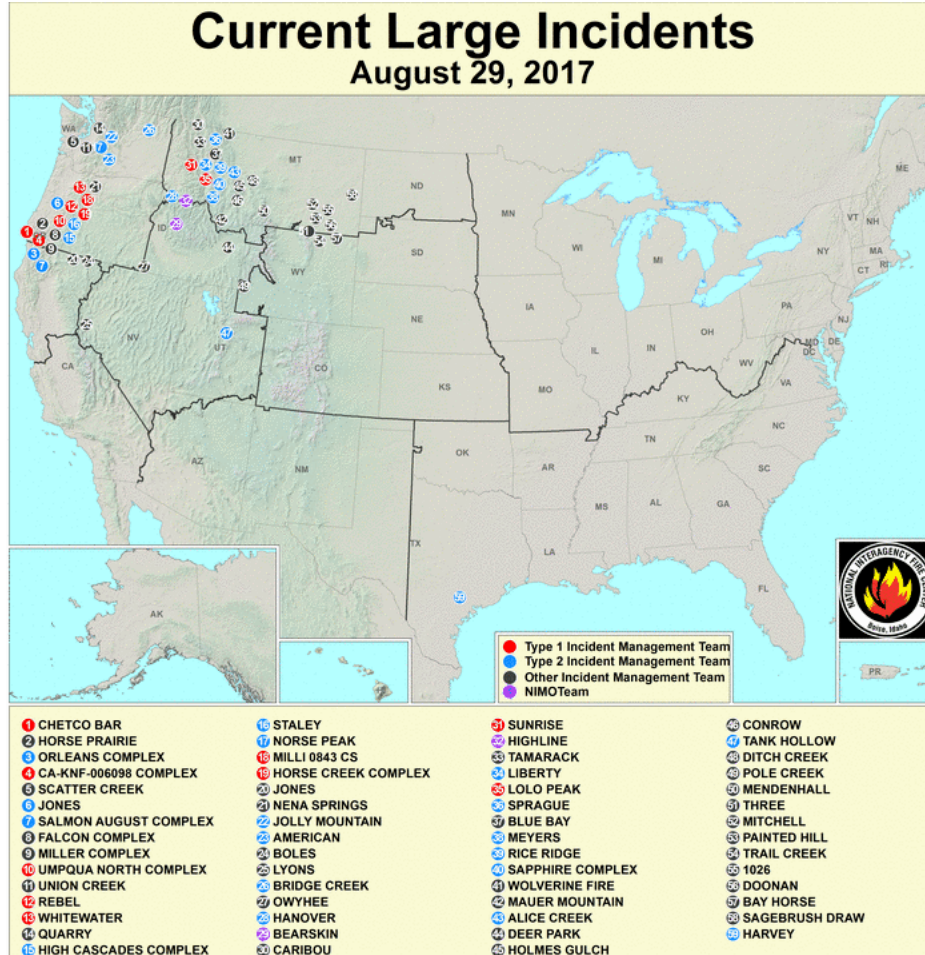


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Deer Park	Jefferson, ID	BLM	3	17,588	90%	August 28
Painted Hill	Big Horn, MT	BIA	3	2,496	85%	August 31
East Fork	Hill, MT	BIA	3	1,000	10%	September 3
Wolverine	Glacier, MT	BIA	4	3,035	70%	August 25
Lyons	Lyon, NV	BLM	4	1,856	95%	August 29
Little	Malheur, OR	BLM	4	1,000	20%	August 30
Nena Springs	Wasco, OR	BIA	4	68,135	90%	August 31

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 29, 2017

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (112 new fires)
New large fires:	4
Large fires contained:	3
Uncontained large fires: **	34
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	11
Type 2 IMTs committed:	18

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at Bogoslof volcano and three short-duration eruptions occurred during the reporting period. On August 27, a brief explosive event occurred, lasting about 2 minutes, and produced a volcanic cloud that reached about 26,000 feet above sea level and drifted to the southeast. Another explosive eruption occurred on August 28, and lasted about 25 minutes. Satellite imagery showed only a very small eruption cloud drifting east-southeast. This volcanic cloud dissipated quickly. The third event occurred the morning of August 28, and produced a small volcanic cloud that reached as high as 25,000-30,000 feet above sea level before dissipating over the North Pacific Ocean. Since the events, seismicity and infrasound as detected on neighboring islands has been quiet and no lightning has been detected.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at Cleveland Volcano, and persistent elevated surface temperatures have been observed in clear satellite imagery during this reporting period. A few clear web camera views of the summit showed only a small vapor plume at the crater rim. Elevated surface temperatures may indicate that new lava is being emplaced within summit crater following the brief explosion last week (August 22) that removed the previous lava accumulation. No unusual seismicity or airwave signals in infrasound data have been detected over the past day.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 28, 2017*

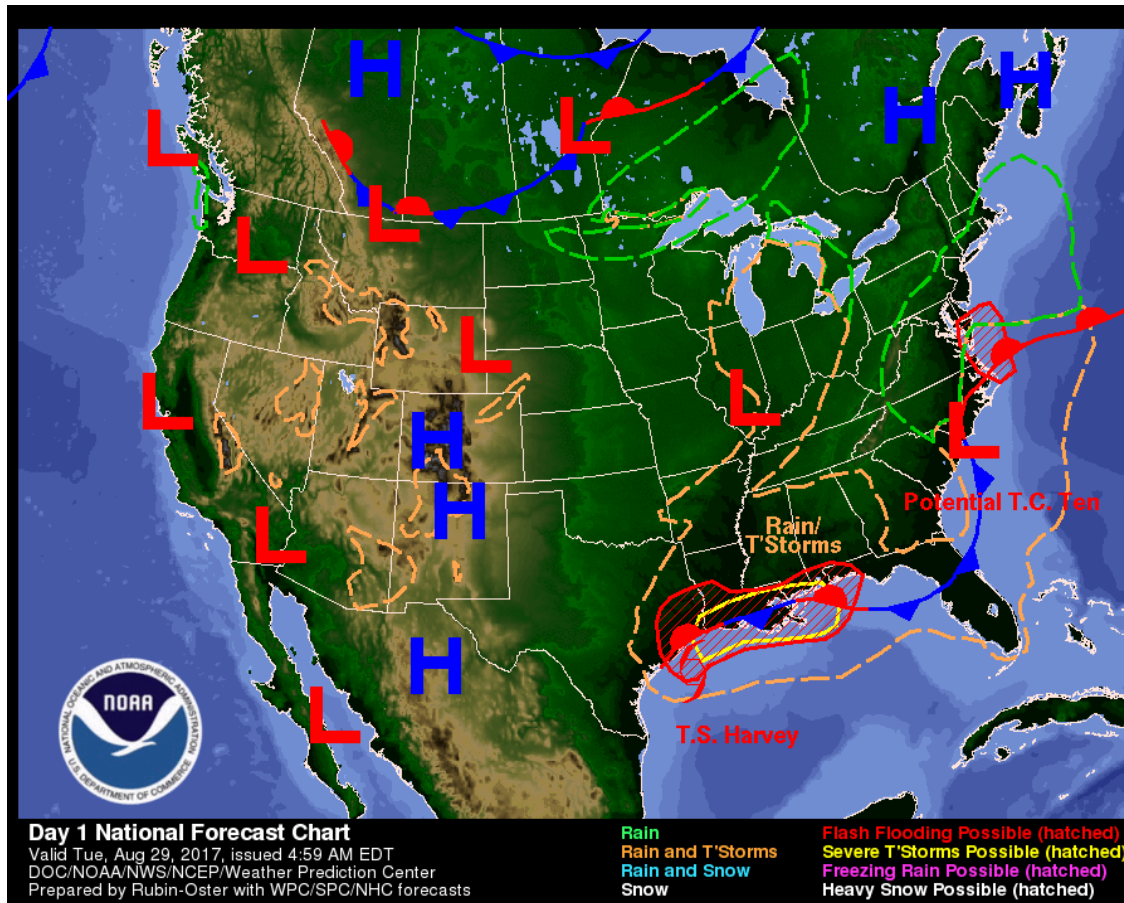
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Summit tiltmeters began recording deflationary tilt. The lava lake rose slightly overnight but this morning remains about 108 feet below the Overlook crater rim.

## Significant National Weather

Source: National Weather Service - August 29, 2017



### Today

Tropical Storm Harvey continues to wreak havoc over southeastern Texas into sections of southern Louisiana. Current forecasts indicate another 6 to 12 inches likely over this region and some locations may be reporting nearly 50 inches when it is all said and done. Over the next couple of days, Harvey is expected to gradually nose back toward the coast, making another landfall near Port Arthur, Texas by early Wednesday morning. Until it moves sufficiently inland, flash flooding will remain a concern from southeastern Texas eastward into southern Louisiana and Mississippi, with an accompanying threat for isolated tornadoes. While Harvey continues to dominate the national news, another potential tropical system is in the works along the Carolina coastal region. Recent forecasts indicate it could attain tropical cyclone status later today, although this remains to be seen. Regardless, expect heavy rainfall to impact areas from the North Carolina Outer Banks northward into the Delmarva Peninsula region. Rainfall amounts of 2 to 4 inches is forecast over this area, with an accompanying risk for flash flooding. The track of this cyclone will take it farther offshore with gusty winds and rough seas remaining in its wake. Across the western U.S., a persistent area of high pressure will help enforce well above normal temperatures. A number of daily temperature records are likely to be broken anywhere from California northward into the central Great Basin and interior Pacific Northwest

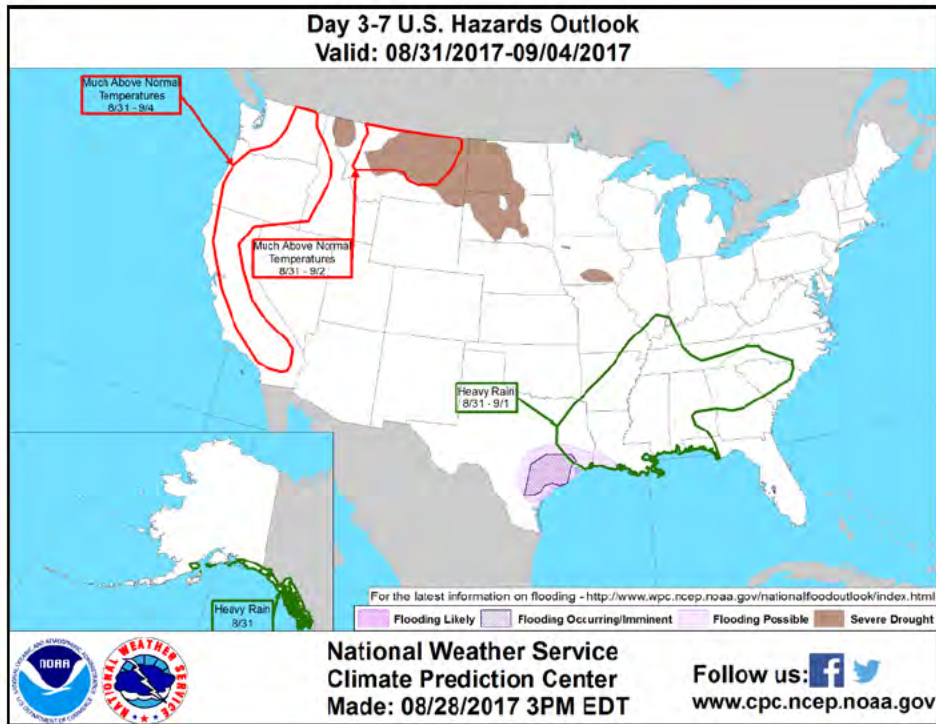
as highs will be 10 to 20 degrees above average. Current forecasts suggest 100 degree plus readings extending out of the Desert Southwest into the interior central valleys of California.

## **Tomorrow**

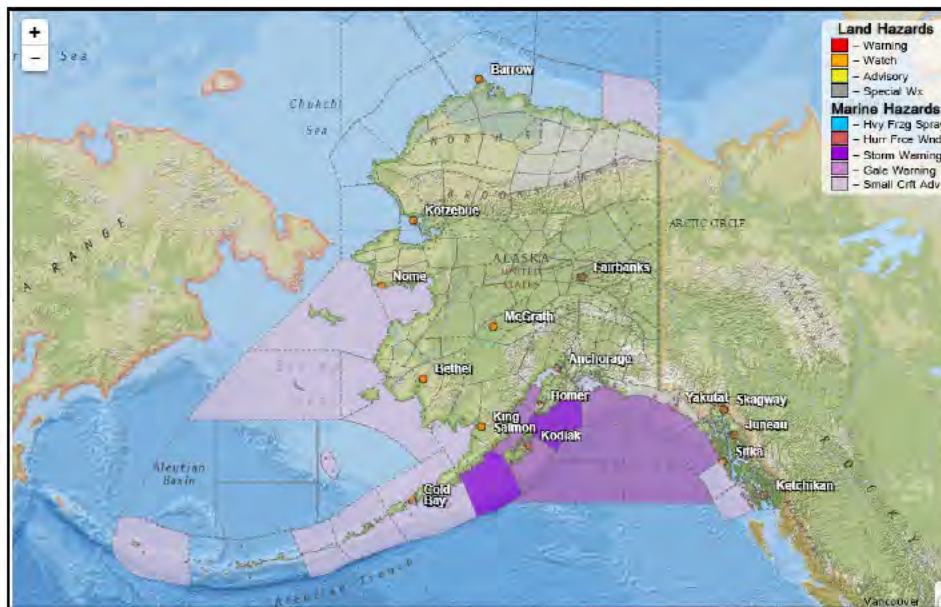
Tropical Storm Harvey will slowly drift towards the Texas and Louisiana border region. Rain and thunderstorms will develop from eastern Texas east across the Deep South into the southern Appalachians and portions of the Southeast and Florida. Heavy rain, flooding and flash flooding, will continue over eastern Texas, the lower Mississippi Valley, and parts of Mississippi. Some tornado risk may accompany Tropical Cyclone Harvey for Wednesday into Wednesday night across portions of the lower Mississippi Valley, the central Gulf Coast region, and vicinity. Potential Tropical Cyclone TEN will move away from the mid-Atlantic Coast and will no longer be a threat to the U.S. A frontal system will begin to drop into the northern Plains, the upper Midwest, and the northern Great Lakes. Light showers and possibly a few lone thunderstorms will develop from the upper Midwest to northern New England. Elsewhere, afternoon and evening showers and thunderstorms will develop across the Four Corners, the Great Basin, and the Rockies.

## **Weather Hazard Assessment**

- August 31-September 1: Heavy rain for parts of eastern Texas, the lower and middle Mississippi valleys, the Tennessee and Ohio valleys, the southern Appalachians, and the southeast.
- August 31: Heavy rain for parts of the Alaska Peninsula, southern coastal mainland Alaska, and the Alaska Panhandle.
- August 31-September 2: Much above normal temperatures for parts of the northern Plains and northern Rockies.
- August 31-September 4: Much above normal temperatures for parts of the northern Intermountain West and California.
- Aug 31-September 11: Flooding is occurring or imminent, or likely for the Texas Gulf Coast, inland areas of southeastern Texas, and Louisiana.
- Flooding occurring or imminent, or likely for parts of central Florida.
- September 5-9: High risk of much above-normal temperatures for parts of Oregon and Washington.
- September 5-9: Moderate risk of much above-normal temperatures for parts of the Pacific Northwest, the northern and central Great Basin, northern and central California, and the northern Rockies.
- Severe Drought across parts of the Great Plains, the western Corn Belt, the northern Rockies, and Hawaii.



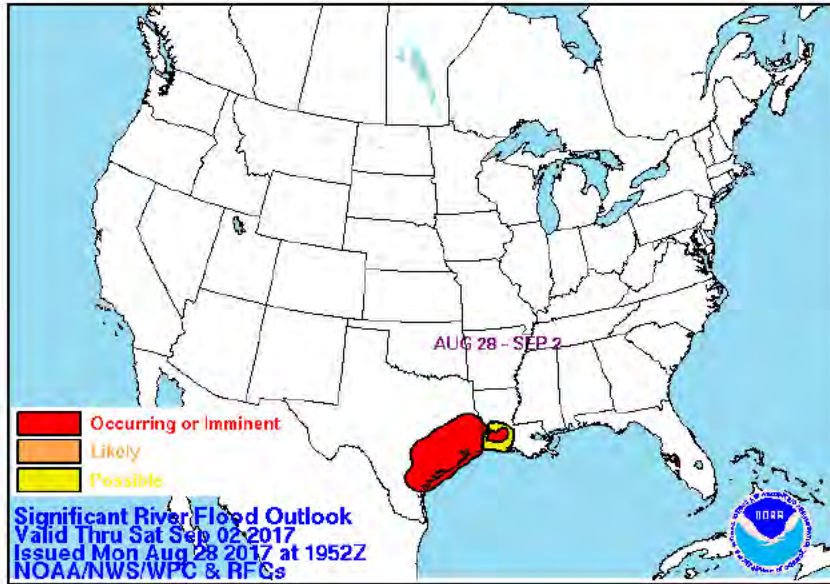
## Alaska Weather



A Small Craft Advisory is in effect from Kiska to Attu, from Nikolski to Cape Sarichef, Pribilof Islands, St. Matthew Island Waters to Norton Sound, North and West of Nunivak Island to Bristol Bay, Cook Inlet, Prince William Sound, Flaxman Island to Demarcation Point and from Cape Esgecumbe to the Dixon Entrance. A Gale Warning is in effect throughout the Gulf of Alaska, Shelikof Strait to Cook Inlet, Shuyak Island to Sitkinak, and Cape Suckling to Cape

Fairweather.. There is a Storm Warning from Sitkinak to Castle Cape, and Barren Islands East through Gore Point. There is a Special Weather Statement forecasting snow in Brooks Range.

### Significant River Flooding



Significant River Flooding is occurring throughout southeastern Texas, as well as portions of Louisiana. Significant river flooding is also possible for large portions of central and southwestern Louisiana.

### Severe Weather



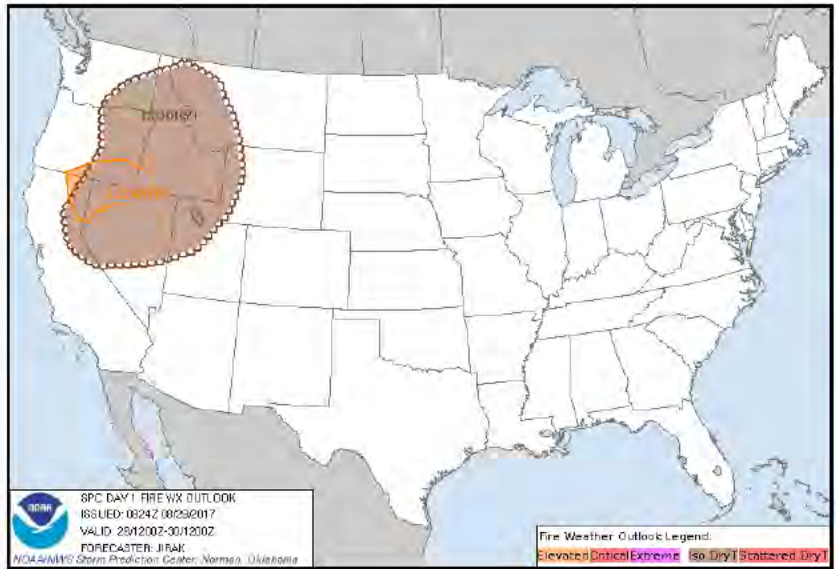
There is a Slight Risk of severe thunderstorms across parts of far southeastern Texas, southern Louisiana, southern Mississippi, and southwestern Alabama. There is a Marginal Risk of severe thunderstorms southeastern Texas eastward into the lower Mississippi valley, central Gulf Coast, and parts of eastern North Carolina.

### Tornado Weather



There is a 5-percent chance of tornado activity today in southeastern Texas, southern Louisiana, and southern Mississippi. There is a 2-percent chance of tornado activity in southeastern Texas, southern Louisiana, southern Mississippi, southern Alabama, and western Florida.

### Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Isolated Dry Thunderstorms are possible for Idaho, southeastern Washington, eastern and central Oregon, eastern California, Nevada, western Montana, and western Wyoming.

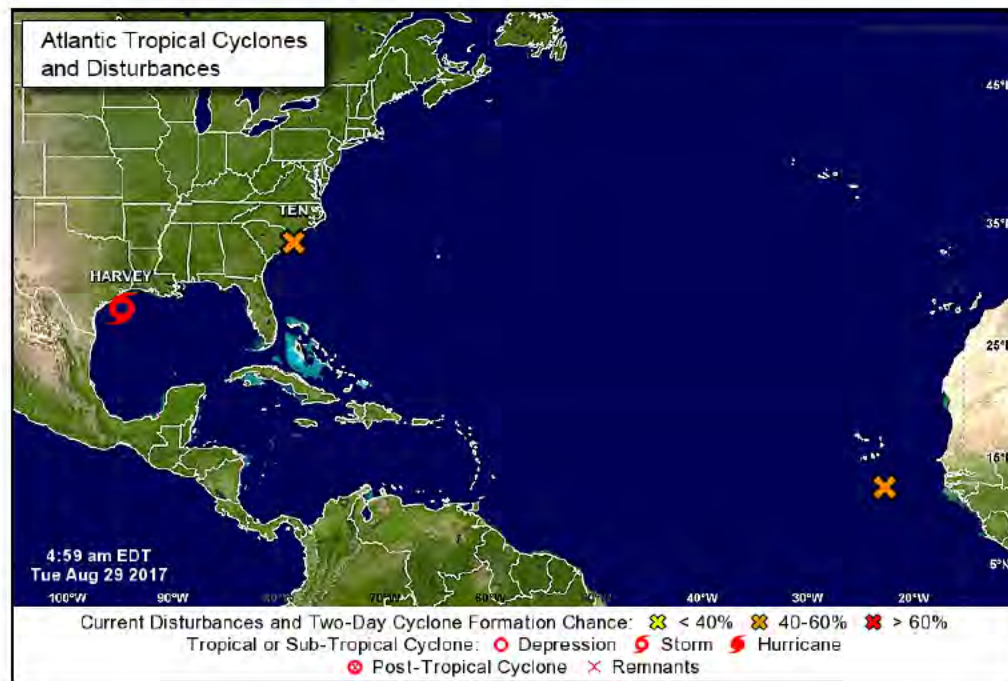
### Tropical Weather Activity

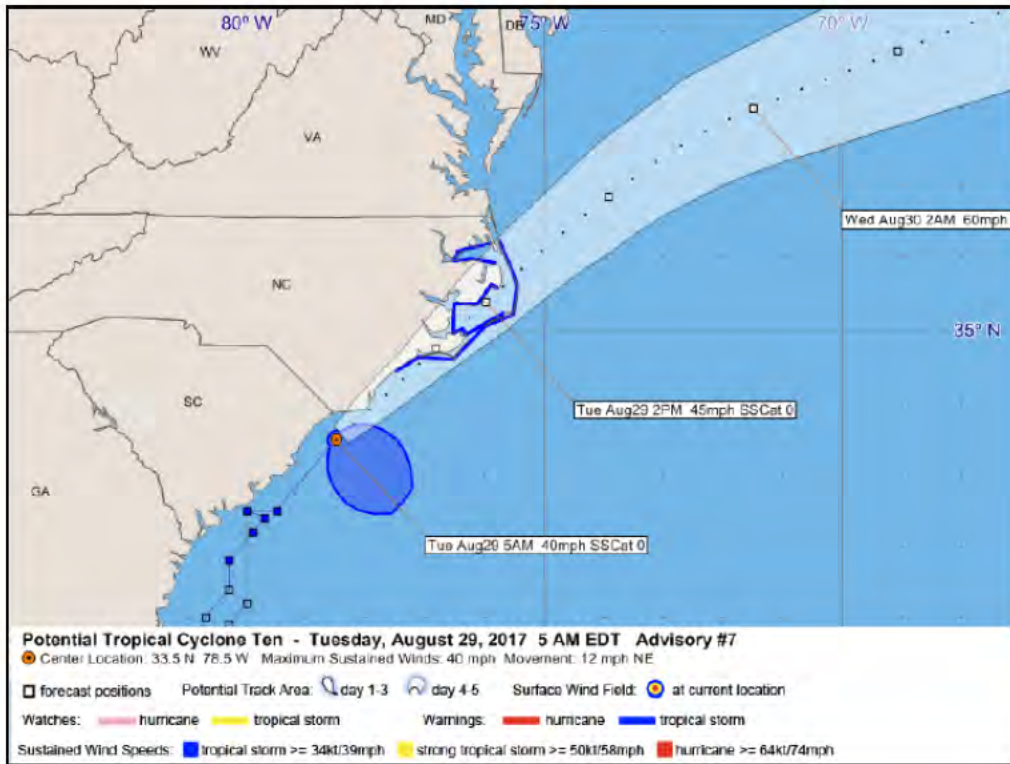
Source: National Weather Service/National Hurricane Center – August 29, 2017

#### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Potential Tropical Cyclone 10:** As of 5:00 a.m. EDT, Potential Tropical Cyclone Ten was located 150 miles east-northeast of Charleston, South Carolina, with maximum sustained winds of 40 mph. It is anticipated to turn toward the east-northeast and accelerate during the next couple of days. The expected track will take the system along the North Carolina coast today, before moving out to sea tonight. Tropical Cyclone Ten is not expected to change much in strength today and the chances for the system to become a tropical cyclone appear to be decreasing. Regardless of whether or not this system becomes a tropical cyclone, tropical-storm-force winds and heavy rains are expected over portions of North Carolina later today.

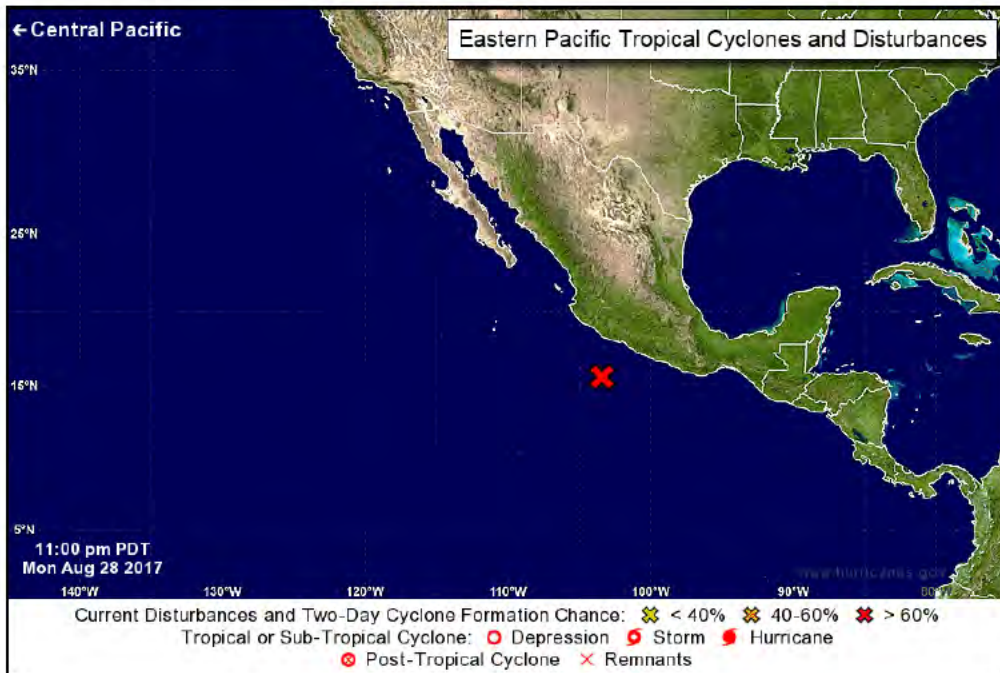
A total rainfall of 1 to 3 inches is expected along northeastern North Carolina and southeastern Virginia coasts into the Delmarva, with possible isolated maximum amounts of 5 inches through Wednesday. Heavier rains may result in some flooding concerns along the coastal areas. A Tropical Warning is in effect for north of Surf City to Duck, Albemarle Sound, and Pamlico Sound. A Tropical Storm Watch is in effect for Surf City to River Inlet.





HURREVAC Image

## Eastern Pacific Ocean



**Area 1:** An elongated area of low pressure centered a few hundred miles south-southeast of Manzanillo, Mexico, is producing widespread, but disorganized showers and thunderstorms. Environmental conditions are forecast to be conducive for development, and this system is



expected to become a tropical cyclone within the next couple of days while it moves generally northward or northwestward near the coast of southwestern Mexico and Baja California Sur. Residents in those areas should monitor the progress of this system, and tropical storm watches could be required for a portion of the area later today. Regardless of development, very heavy rain is expected in southwestern Mexico and Baja California Sur over the next few days, which could cause life-threatening flash floods and mudslides.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, August 30, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Storm Harvey - Southeastern Texas**

**DOI Mission Assignments (MAs) as of August 30, 2017:**

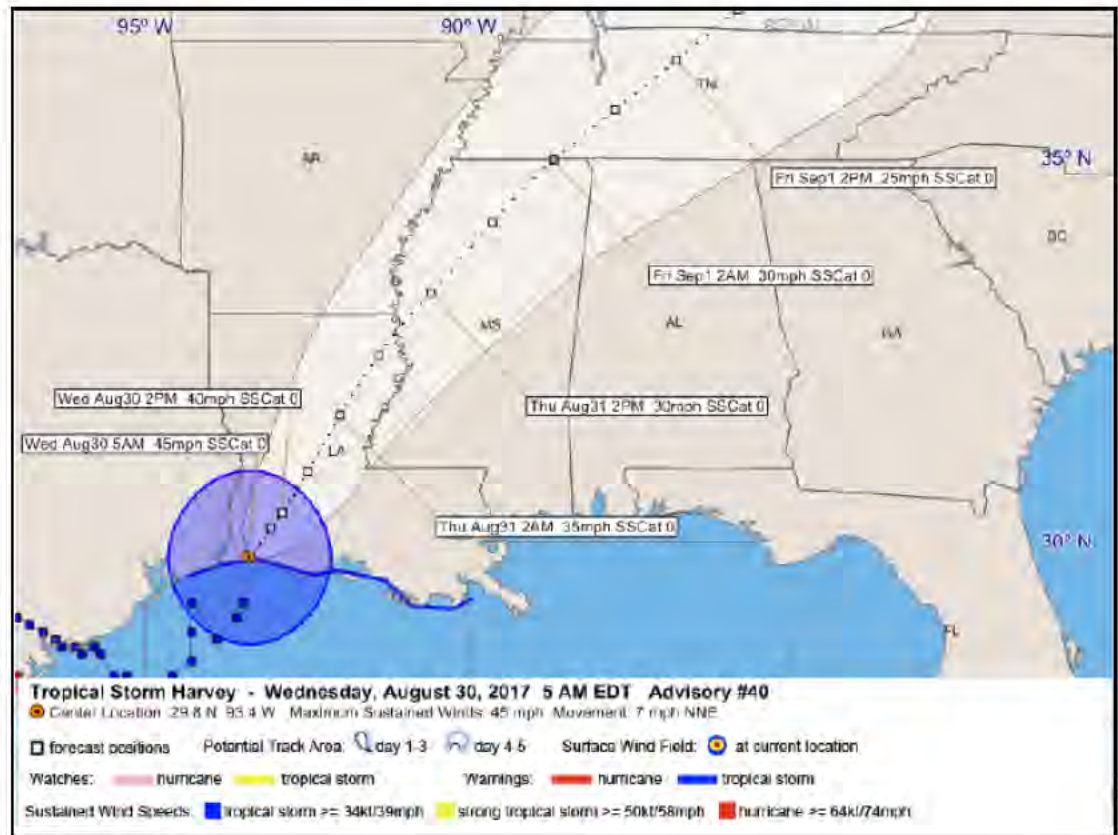
<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire (OWF)	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 – NPS personnel 1-BIA 1-FWS 1-BLM	College Station, TX
Emergency Support Function (ESF) #5 8/25/17 TX-17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/17 4332DR-TX-	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and	\$1,000,000	(0) USGS personnel deployed under the Mission Assignment.	

USGS-01		daily reporting of water heights in direct support of federal response operations related to Harvey		USGS working to identify and stage personnel to conduct mission once flood waters begin to recede.* USGS Water Science Centers are deploying personnel to collect data at this time and repair gages, see further under Bureau Reporting	
ESF #9 8/26/17 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000	2-NPS	College Station, TX
ESF #9 8/29/2017 4332DR-TX- USCG-04	NPS	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	Boats w/Crew Deployed: 3 NPS (6 personnel), 1 FWS Strike Team (9) Staged: 1 NPS En Route: 34 boats	Deployed: Harris County (NE Branch) Staging: College Station, TX
ESF #9 8/26/17 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9-UAS Pilots 4-BLM 1-FWS 1-OAS 1-USGS 2-NPS	College Station, TX
ESF #11 8/25/17 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1-OEPC	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked larger ESF-13 \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)	NRG Reliant Park in Houston, TX

				QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES	
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### General Situation

Source: *National Weather Service/National Hurricane Center – August 30, 2017*



HURREVAC Image

As of 5:00 a.m. EDT, Tropical Storm Harvey was located about 5 miles west of Cameron, Louisiana with maximum sustained winds of 45 miles per hour (mph). Harvey is moving toward the north-northeast at 7 mph, and a faster northeastward motion and speed is expected through Thursday night. On the forecast track, the center of Harvey will move across the lower Mississippi Valley and Tennessee Valley through Thursday. Gradual weakening is forecast now that the center has crossed the coast, and Harvey is expected to become a tropical depression by tonight. Tropical-storm-force winds extend outward up to 80 miles from the center.

Harvey is expected to produce additional rainfall accumulations of 3 to 6 inches from southwestern Louisiana and the adjacent border of eastern Texas northeastward into western Kentucky through Friday, with isolated amounts up to 10 inches. While the threat of heavy rains has ended in the Houston and Galveston area, catastrophic and life-threatening flooding will continue in and around Houston eastward into southwestern Louisiana for the rest of the week.

The expected heavy rains spreading northeastward from Louisiana into western Kentucky may also lead to flash flooding and increased river and small stream flooding. Elsewhere, the outer bands of Harvey are expected to produce additional rainfall amounts of 3 to 6 inches over portions of the central and eastern Gulf States, and 2 to 4 inches farther north into parts of the Tennessee Valley through Friday. These rains may lead to flooding concerns across these areas. Catastrophic and life-threatening flooding continues in southeastern Texas and portions of southwestern Louisiana.

A Storm Surge Warning is in effect for Holly Beach, Louisiana to Morgan City, Louisiana. A Storm Surge Watch is in effect for east of High Island, Texas to west of Holly Beach, Louisiana. A Tropical Storm Warning is in effect for east of High Island, Texas to Grand Isle, Louisiana.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #4 - Firefighting:**

##### *ESF #4 National Park Service(NPS)*

- Three NPS employees arrived in Texas on August 29 as part of a Type-2 Incident Management Team (IMT).

#### **ESF #8 (Public Health):**

##### *ESF #8 National Park Service (NPS):*

- No NPS personnel have been activated for this ESF; however, eight (8) engineering officers from the Public Health Service (PHS) are ready for an immediate two week deployment, if requested. There are a total of 25 Public Health Officers (PHO) in the NPS which are ready to deploy if needed.

#### **ESF #9 (Search and Rescue):**

##### *ESF #9 (OAS):*

- The Office of Aviation Services (OAS), with the assistance from Bureau of Land (BLM), US Geological Survey (USGS), NPS, and the U.S. Fish and Wildlife Service (USFWS), is providing Unmanned Aircraft Systems (UAS) support for search and rescue operations and imagery for identifying high priority search areas in Texas. There are 34 additional personnel on standby.

##### *ESF #9 (USFWS):*

- ESF-9 has requested that any LEOs deployed under ESF-13 who are boat operators transport their government vessels to the staging area. It is understood that these officers are to be tasked under ESF-13 until they are demobilized and available for reassignment under ESF-9.

ESF #9 (NPS):

- The NPS has mobilized boat teams from nine park units including 8 boats and 18 staff who have arrived. These boats are currently in a designated staging area in Bryan, TX. An additional 10 boats from USFWS are currently staging in Huntsville, TX. Both NPS and USFWS boats are part of the Incident Action Plan to be deployed as part of the larger FEMA SAR effort in Texas on August 30.
- The NPS is also tracking 25 additional boats from other DOI agencies and an additional nine boats from the NPS which may be used for SAR. With the DOI boats present in Texas, FEMA has the 72 boats requested to meet current operations in the immediate area of operation.
- DOI OAS has two NPS employees from Alaska who arrived in College Station on August 29. Calibrations and test flights of aircraft are anticipated for August 30.
- There are two staff from the NPS continuing life saving operations serving with the interagency Federal Search and Rescue Coordination Group (FSARCG) in College Station.

**ESF #13 (Public Safety and Security):**

ESF # 13 U.S Fish and Wildlife (USFWS):

- The DOI Quick Reaction Teams (QRT) 3, 4, and 5 are bringing a cumulative of 21 boats, QRT #3 is in deployment status, while QRT #4 and #5 are on standby. Refuges are currently building a QRT roster of 12 officers. The USFWS Office of Law Enforcement (OLE) is building ca QRT roster of 25 OLE personnel and the number of boats are unknown at this time.
- ESF-13 is awaiting a new MA that will be federal-to-state support for community policing in Houston (this is different than the MA that QRT 1 & 2 are under, which is federal-to-federal support for ESFs #8 & #9). Anticipation is that the next two teams will be deployed under the new MA, likely today.
- Possibility exists for a new base camp to be established in Houston.

ESF # 13 NPS:

- The Southeast Region Special Event Team (SET) Law Enforcement Team has been activated with 12 NPS Employees. There are no boats with this team, and the team staging has been moved to San Antonio, TX.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

*Source: NPS – August 29, 2017*

The NPS continues to prepare for impacts from record flooding associated with Tropical Storm Harvey in Texas and Louisiana. Support continues for FEMA MAs in Texas benefiting survivors. The Intermountain IMT has also mobilized and is operational with partial staffing at the San Antonio Missions Headquarters with eight NPS employees. The team will send an initial operating report for this interagency IMT with USFWS employees on August 30 and begin generating an incident action plan for life safety, property preservation, and environmental stabilization of NPS and USFWS lands in Texas. In addition, parks in North Carolina have prepared for potential Tropical Cyclone 10, but do not anticipate significant impacts. Additional NPS updates are as follows:

- **Padre Island (PAIS)** - The park remains closed, and all employees have been accounted for; however, the park is coming back online. There are 20-30 employees supporting removal of sandbags, conducting basic cleanup, and stabilization efforts. The park will open to visitors at noon local time on August 30. There was some water in the Visitor's Center with some property damage. The current focus is on the Bird Island Camp ground which will be closed for an extended period of time while the shoreline is stabilized. The park believes that most damage can mostly be handled internally, with exception of shoreline stabilization.
- **Big Thicket (BITH)** - The park remains closed and all employees have been accounted for. The park had more than 10" of rain in area during the day, but the major focus is on tracking staff who are evacuating out of area and keeping contact with them. Staff has been working with counties locally to support boat rescues. Currently the park has no report of damage, but flooding continues and limits full assessment. Low lying areas are under water at this time. Wednesday morning flood waters are estimated to crest.
- **San Antonio Missions (SAAN)** - The park is open and assessments have been done. There is currently no major damage that has been noticed.
- **Lyndon B. Johnson (LYJO)** - The park is open and assessments have been done. There is currently no major damage that has been noticed.
- **Jean Lafitte (JELA)** - The park and it's facilities are closed and all employees are accounted for. It is currently under a Flash Flood Warning and rivers are approaching crest stage in some areas. The parks are being reassessed today and no resources are needed at this time.
- **Gulf Islands (GUIS) Network** - The park is open and operating under normal operations.
- **Cane River (CARI)** - The park is open with normal operations. Currently, there is no flooding; however, localized flooding may occur later this week. They are initiating

tropical storm preparations today, and if the forecast remains, the storm will be over the park on Thursday morning. CARI is considering closing on August 30, and remaining closed through August 31, at a minimum. A major issue will be roads to and from the park which have a tendency to flood. The final decision about closures will be made today.

### **U.S. Fish and Wildlife Service (USFWS) Update**

*Source: USFWS – August 29, 2017*

The Aransas National Wildlife Refuge (NWR) will continue their damage assessments. While the Lower Rio Grande Valley NWR Complex has limited damage to its facilities, it will also continue to assess damages. They are now in a supporting role for the IMT. Calcasieu Parish has asked everyone to stay off the roads and the Lower Cameron Parish is still under a mandatory evacuation. FWS's Region 4 received a MA yesterday for a team that is comprised of 20 people and nine vessels.

Within the next 24-48 hours, there will be a rapid assessment of Aransas NWR facilities and its infrastructure and clear downed trees on the refuge. Also, a complete damage initial/rapid assessment for employee's homes and the facilities will occur. There are 25 personnel assigned to the incident and only 1 is at Balcones, the remaining 24 personnel are deployed at Aransas NWR. A Taskforce will be enroute to begin an assessment at Texas Chenier and Texas mid-coast.

### **United States Geological Survey (USGS) Update**

*Source: USGS – August 29, 2017*

Currently, there are 57 gages in flood stage and 10 gages are damaged and not reporting. More than 17 crews have been out to do repairs and high water measurements. The Texas-based crews have been joined by USGS employees from Arkansas, Louisiana, Mississippi, and Oklahoma, to help with the large number of measurements and repairs that are needed. High water has made it impossible to reach many streamgage sites, but crews have positioned themselves on all sides of the flooded areas and have been able to get many critical tasks done. Monday, crews were able to measure flow at more than 16 sites with most of them in major flood stage. Basins affected include the Brazos, San Bernard, Colorado, San Jacinto, and Trinity.

The Addicks-Barker reservoirs west of Houston received national attention when the unprecedented decision was made to release from the dams. The intent is to use the reservoirs to hold water during a storm and release the water slowly after an event passes; however, due to the historic rainfall a release decision was required to keep the water from flowing freely over the dams. The gage below the Barker Reservoir was inundated, so a crew was dispatched yesterday morning with a police escort to get into the closed off areas and either repair the gage or deploy an RDG to replace it.

The more intense rain bands from the storm are now impacting the Trinity River basin on the east side of Houston. The areas initially hit when Harvey came ashore near Corpus Christi are



becoming more accessible, so repairs, measurements, and retrieval of the storm surge sensors has begun.

The Texas USGS staff has continued to interact with cooperators, the National Weather Service (NWS), and the State Operation Center to provide information and address specific needs.

### **Bureau of Indian Affairs Update**

*Source: Bureau of Indian Affairs (BIA)– August 28, 2017*

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call yesterday, in support of the Tribes impacted by Harvey. With over 75 participants, the TAC-G received reports from FEMA Region VI, BIA EM, the Tunica-Biloxi Indian Tribe of Louisiana, the Alabama-Coushatta Tribe of Texas, the Louisiana Governor's Office of Homeland Security & Emergency Management (GOHSEP), and the United South and Eastern Tribes (USET).

The U.S. Department of Health and Human Services - Substance Abuse and Mental Health Services Administration (SAMHSA) gave a briefing on their partnership with FEMA relating to disaster mental health assistance for disaster survivors.

The main topic of the conference call was the discussion on Tribes who have Tribal members that are unaccounted for in the Houston area. FEMA is encouraging all Tribal nations to encourage their affected members to register online at [www.DisasterAssistance.gov](http://www.DisasterAssistance.gov) for FEMA assistance.

The Seneca Nation of Indians (New York) reached out to FEMA Region 6 Tribal Liaison and American Red Cross to help locate Tribal members who were living in the Houston-metro area and were evacuated. Seneca Nation is making arrangements to pick up their affected Tribal members and return them to Seneca Territory in NY for shelter. The Poarch Band of Creek Indians (Alabama) is also attempting to locate tribal members to offer transport to their Tribal lands for shelter.

Tribes currently affected by Harvey reported the following:

#### *Alabama-Coushatta Tribe of Texas*

The Alabama-Coushatta Tribe of Texas is still operating under a Tribal State of Disaster Declaration. There are no pending requests for a Presidential Disaster Declaration. Several of the roadways are still closed, due to the flooding.

#### *Tunica-Biloxi Indian Tribe of Louisiana*

The Tunica-Biloxi Tribe of Louisiana contacted Indian Health Service (IHS), BIA EM, and the Louisiana Governor's Office to request supplies and equipment (generators, sandbags, food, water) to help tribal members in Louisiana, who are impacted by Harvey, and to help prepare for flooding on their tribal lands in central Louisiana. Approximately 200 tribal members in

Louisiana were impacted by the storms. The IHS and State of Louisiana Tribal Liaison are coordinating to help locate requested equipment and supplies for the Tribe. Also, the Tribe is organizing a GoFundMe Site for donations and aid to impacted tribal members.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA - August 30, 2017*

The FEMA National Watch Center remains at Watch/Steady State. The FEMA National Response Coordination Center (NRCC) and FEMA Region VI Regional Response Coordination Center (RRCC) both remain activated at Level I (24/7). FEMA has more than 5,385 employees deployed. The Mobile Emergency Response Support (MERS) has fielded 22 teams and numerous communications capabilities throughout the impacted area are in support of Urban Search and Rescue (US&R), Incident Management Assistance Team (IMAT), Incident Support Bases (ISB), and survivor assistance.

FEMA has established two ISBs, one in Texas and one in Louisiana, and a third will open in Texas by August 31. The DHS Secretary activated the Surge Capacity Force of 900 volunteers with 243 deployed to date.

Houston reports four fatalities, including one responder, and 10 injuries.

#### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - August 29, 2017*

The **Deer Park Fire** (Idaho), **Lyons Fire** (Nevada) and the **Little Fire** (Oregon) have reached 100-percent containment; therefore, the fires will no longer be summarized in this report.

### **Washington**

#### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,530 (+12)
- Containment: 42-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 551 (+53) / 26 (+1)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (+3) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. In order to provide firefighter safety, roads in the fire area have been closed. The Colville Tribe's local government is being impacted, and cultural and natural resources are threatened.

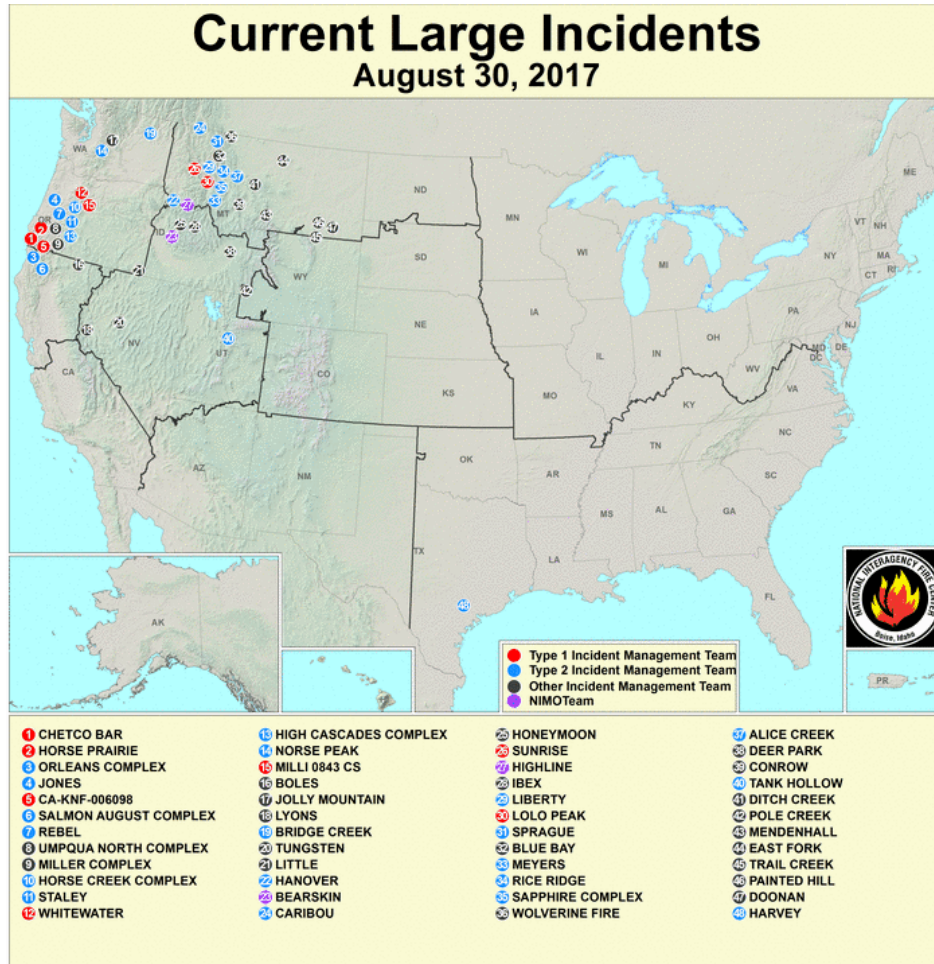


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Mud	Lassen, CA	BLM	4	1,000	10%	September 4
Bell Mountain	Butte, ID	BLM	4	1,300	0%	September 9
Painted Hill	Big Horn, MT	BIA	3	2,496	90%	August 31
East Fork	Hill, MT	BIA	3	1,037	25%	September 3
Wolverine	Glacier, MT	BIA	4	3,035	80%	August 25
Tungsten	Churchill, NV	BLM	3	2,800	5%	September 3
Nena Springs	Wasco, OR	BIA	5	68,007	90%	August 31

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – August 30, 2017

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (134 new fires)
New large fires:	12
Large fires contained:	5
Uncontained large fires: **	40
Area Command Teams committed:	1
NIMOs committed:	1
Type 1 IMTs committed:	12
Type 2 IMTs committed:	23

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at Bogoslof volcano and while no significant activity was observed during the reporting period, slightly elevated surface temperatures were in a few satellite images. Bogoslof volcano remains at a heightened state of unrest and unpredictable condition. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Cleveland Volcano and no activity was observed in partly cloudy to cloudy satellite images during the reporting period. A small vapor plume was visible above the summit in relatively clear webcam images during the reporting period; however, no unusual seismicity or airwave signals in infrasound data have been detected

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Summit tiltmeters began recording deflationary tilt. The lava lake had fallen slightly overnight but this morning remains about 115 feet below the Overlook crater rim.

## **Significant National Weather**

*Source: National Weather Service - August 30, 2017*

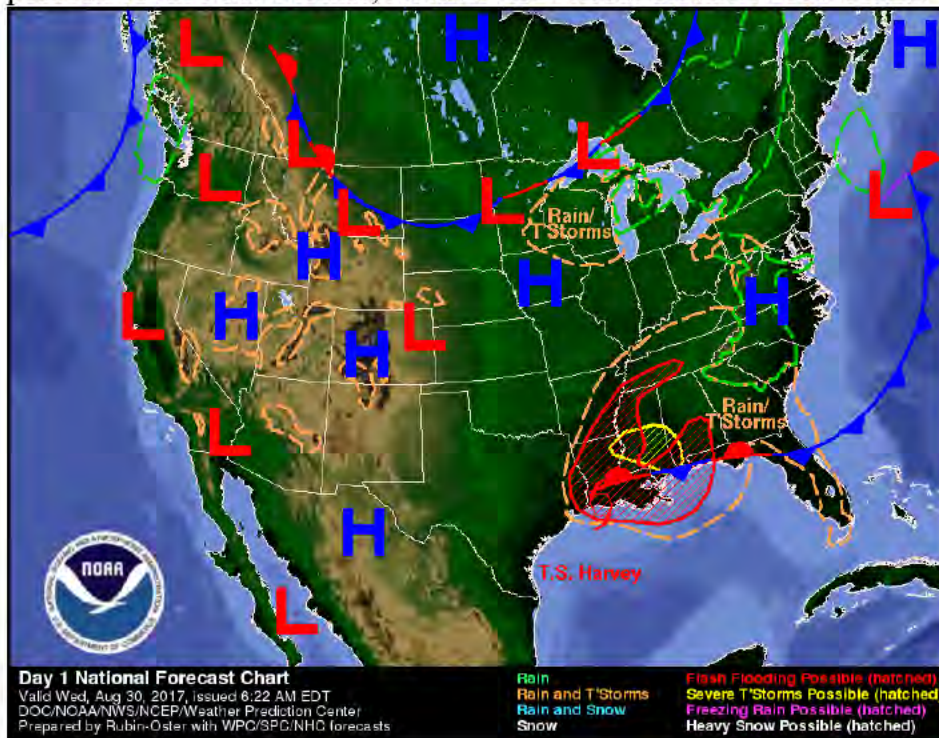
### **Today**

Tropical Storm Harvey has made another landfall early this morning across southwestern Louisiana before weakening to a tropical depression later in the day. The intense heavy rainfall has moved eastward toward Beaumont, Texas which has seen almost 18 inches of rain in a 12-hour period. The current forecast paints a broad area of 3 to 6 inches of rainfall the next couple of days from southwestern Louisiana up along the Arkansas and Mississippi border and into western Tennessee to Kentucky. Flash flood risks will remain for locations northward into the western Tennessee and the Ohio River valleys. Additionally, a risk for some severe weather,

perhaps a few tornadoes and damaging winds will be possible over southern Mississippi as Harvey migrates inland. Forecast high temperatures across the interior central valleys of California will be in the low to mid 100s which is at least 10 degrees above normal. Farther north, the Central Great Basin and areas of the upper Intermountain West have red flag warnings in place given the threat for some dry thunderstorms which may spark a few brush fires. Across central and eastern Washington, degraded air quality will remain an issue as has been the case for much of the month due to smoke from upstream fires. Elsewhere, light to moderate rainfall should come to an end over areas of southern coastal New England. Conditions are expected to remain on the cooler end for late August/early September with forecast highs generally 5 to 10 degrees below climatology from the Mississippi River eastward.

## Tomorrow

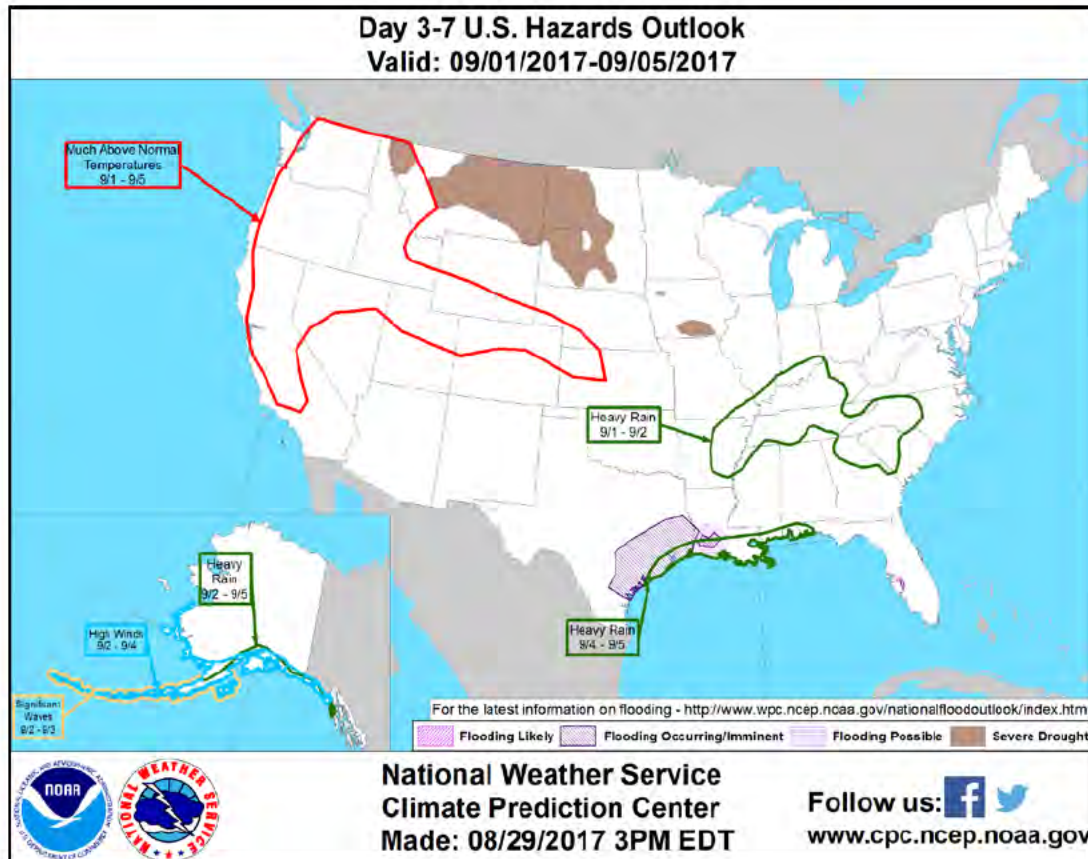
Harvey will move into northeast Louisiana. Rain and thunderstorms will develop across the South, Southeast and southern Appalachians. Rain is expected to be heavy and flash flooding will be possible from Kentucky, south to the Florida Panhandle. To the north, a cold front will extend from northern New England back across the southern Great Lakes to the western High Plains. A band of showers will be found along and ahead of this front from Maine to southwest Minnesota. Elsewhere, afternoon and evening showers and thunderstorms will develop over portions of the Four Corners, Rockies and central/northern Great Plains.



## Weather Hazard Assessment

- September 1-2: Heavy rain for parts of the lower and middle Mississippi valleys, Tennessee and Ohio valleys, southern Appalachians, mid-Atlantic, and the Southeast.
- September 1-12: Flooding occurring or imminent, or possible for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and Louisiana.

- September 1-5: Much above-normal temperatures for parts of the Northern Intermountain West, central Great Basin, California, northern and central Rockies, and central Plains.
- September 2-3: Significant waves for parts of the Aleutians and Alaska Peninsula.
- September 2-4: High winds for parts of the Aleutians, Alaska Peninsula, southern and western coastal mainland Alaska, and the northern Alaska Panhandle.
- Flooding occurring or imminent, or likely for parts of central Florida.
- Flooding possible for parts of northeastern South Carolina.

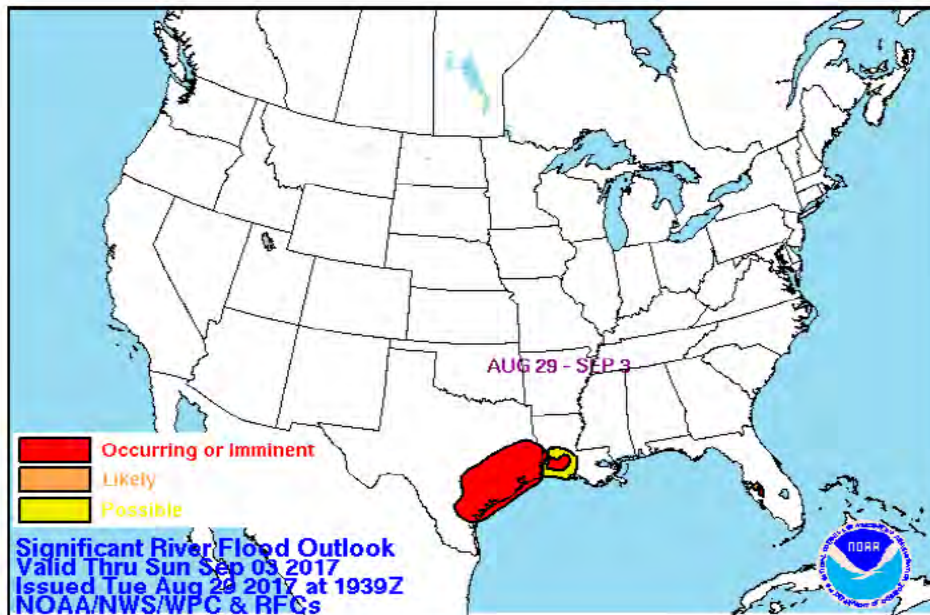


## Alaska Weather



A Small Craft Advisory is in effect from Seguam to Cape Decision, Pribilof Islands, St. Matthew Island Waters to Nunivak Island, Bristol Bay, Cook Inlet, Cape Thompson to Cape Beaufort, Cape Halkett to Demarcation Point, Kotzebue Sound, and Norton Sound. A Gale Warning is in effect throughout the Gulf of Alaska, Cape Suckling to Cape Clear, Port Heiden to Cape Sarichef, Bering Sea to Etolin Strait, and Dall Point to Wales. There is a Storm Warning from Sitkinak to Castle Cape, and Barren Islands East through Gore Point. There is a Special Weather Statement forecasting snow in the Brooks Range. A Wind Advisory is in effect for Shugnak, Walker Lake, and Upper Noatak. A High Surf Advisory is in effect from Wales to Dall Point and Savoonga.

## Significant River Flooding





Flooding occurring or imminent, or possible for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and Louisiana.

### Severe Weather

There is a Slight Risk of severe thunderstorms across parts of far northeastern Louisiana, southern and central Mississippi, and southwestern Alabama. There is a Marginal Risk of severe thunderstorms outside of the Slight Risk area across parts of the lower Mississippi Valley and central Gulf Coast states.



### Tornado Weather



There is a 5-percent chance of tornado activity today in central Mississippi. There is a 2-percent chance of tornado activity in portions of eastern Texas through parts of the Florida Panhandle.

### Fire Weather



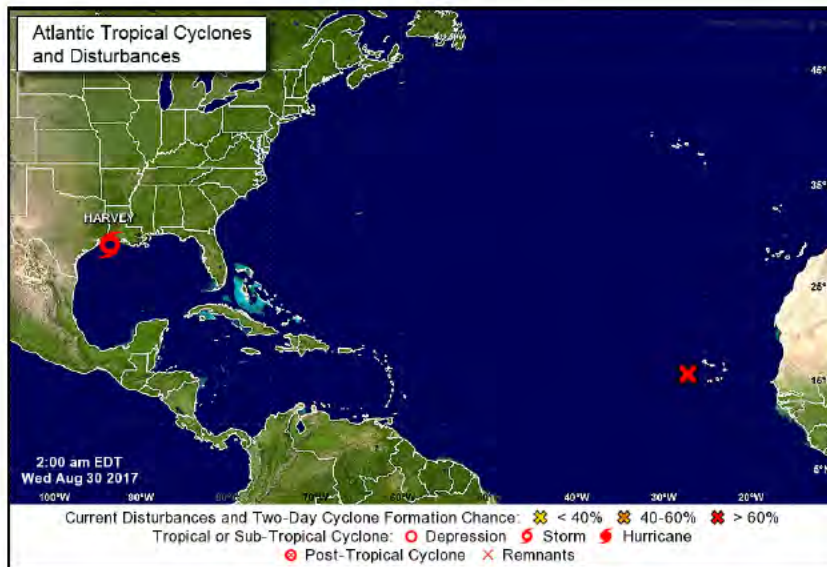
There is Critical Fire Weather forecast for today for far eastern Oregon, southwestern and central Idaho, and southwestern Montana. There is Elevated Fire Weather forecast for northeastern California, central Oregon, southern Washington, and central Montana. There are Isolated Dry Thunderstorms possible for Idaho, southeastern Washington, eastern Oregon, northern Nevada, Montana, northern Utah, and western Wyoming. There also Dry Thunderstorms possible in central Idaho, eastern Oregon, and western Montana.

### Tropical Weather Activity

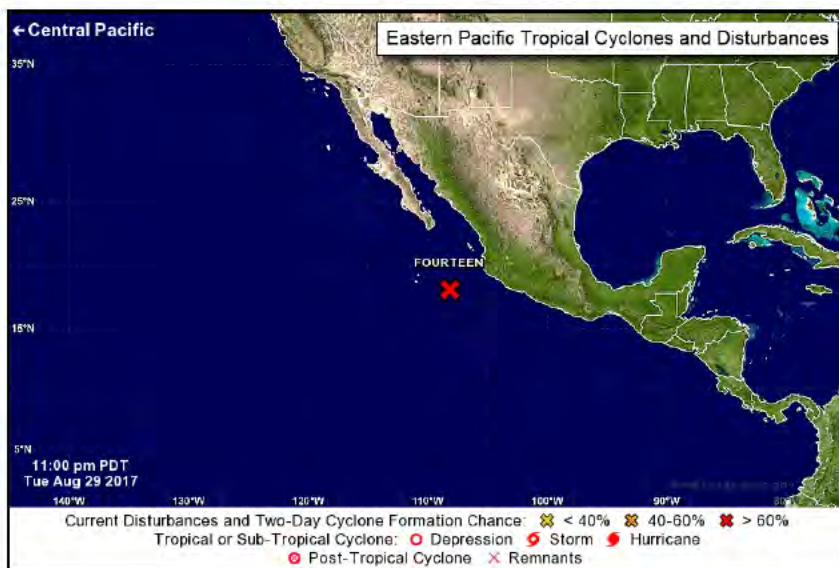
Source: National Weather Service/National Hurricane Center – August 30, 2017

#### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** A low pressure area is located just west of the Cabo Verde Islands. This system has changed little in organization over the past several hours, but any significant increase in the associated thunderstorm activity would result in the formation of a tropical depression within the next day or two. The system is forecast to move west-northwestward to westward at 15 to 20 mph over the tropical Atlantic during the next several days. Chance of formation is 90-percent.



## Eastern Pacific Ocean



**Potential Tropical Cyclone Fourteen - E:** At 5:00 a.m., EDT, the disturbance was centered 265 miles west-southwest of Manzanillo, Mexico. The system is moving toward the northwest near 10 mph. A slower northwest to north-northwest motion is expected during the next couple of days. On the forecast track, the center of the disturbance will be near the southern tip of the Baja California peninsula by late Thursday. Maximum sustained winds remain near 30 mph, with higher gusts. The system is expected to strengthen to a tropical storm later today, and it could become a hurricane by late Thursday. The disturbance continues to show signs of organization, and only a small increase in the definition of the circulation would lead to the formation of a tropical cyclone. The system is expected to produce total rain accumulations of 5 to 10 inches in the Mexican states of Michoacan, Colima, Jalisco, and Nayarit, with isolated maximum totals of 20 inches possible along the immediate coast. This rain could cause life-threatening flash floods and mudslides. A Hurricane Watch is in effect for Puerto Cortes to Los

Barriles. A Tropical Storm Warning is in effect for Todos Santos to Los Barriles. A Tropical Storm Watch is in effect for north of Los Barriles to San Evaristo.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Thursday, August 31, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Depression Harvey - Southeastern Texas**

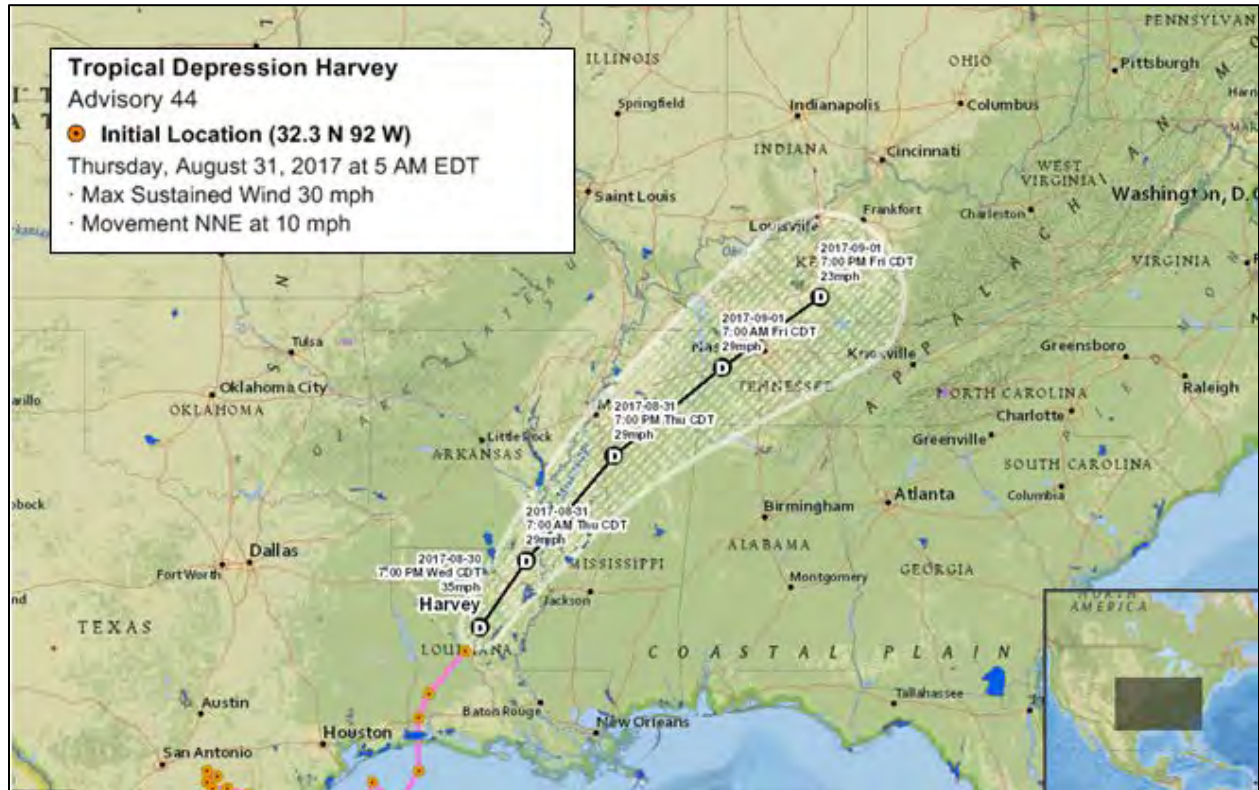
**DOI Mission Assignments (MAs) as of August 30, 2017:**

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
Emergency Support Function (ESF) #5 8/25/2017 TX- 17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017	United States Geological Survey	To provide advance support, real-time	\$1,000,000	2 USGS Crews (4 personnel) currently	Corpus Christi, TX

4332DR-TX-USGS-01	(USGS)	field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey		deployed.  USGS working to identify and stage personnel to conduct mission once flood waters begin to recede	
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9 UAS Pilots BLM – 4 FWS – 1 OAS – 1 USGS – 1 NPS – 2	College Station, TX
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked under ATF ESF-13 MA \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES	QRT 1 in en route to Houston from San Antonio; QRT 2 en route to San Antonio to check in.

## General Situation

Source: National Weather Service/National Hurricane Center – August 31, 2017



IGEMS Image

As of 5:00 a.m. EDT, Tropical Depression Harvey was located about 15 miles south of Monroe, Louisiana with maximum sustained winds of 30 miles per hour (mph). Harvey is moving toward the northeast at 10 mph, and is expected to continue this motion over the next 48 hours. On this forecast track, the center of Harvey will move across northwestern Mississippi by Thursday afternoon and the Tennessee Valley region on Friday.

Flood and Flash Flood Warnings and Watches are in effect from eastern Texas through parts of the lower Mississippi Valley and into western portions of the Tennessee Valley and the lower Ohio Valley. Harvey is expected to produce additional rainfall accumulations of 3 to 5 inches from far eastern Arkansas, northern Mississippi, northeastward across western and central Tennessee, western through central Kentucky and into southern Ohio. Locally higher totals of 6 to 10 inches possible across far northern Mississippi, western Tennessee into southwest Kentucky. These rains will enhance the Flash Flooding risk across these areas, especially from far northern Mississippi, western Tennessee into southwest Kentucky.

Catastrophic and life threatening flooding will continue in and around Houston, Texas, Belmont and Port Arthur, Texas and eastward into Southwest Louisiana. The expected heavy rains

spreading northeastward from Louisiana into western Kentucky may also lead to Flash Flooding and increased river and small stream flooding.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #4 - Firefighting:**

##### ESF #4 National Park Service(NPS)

- There are three NPS employees rostered with this team from a Type 2 Incident Management Team from Wildland Fire that arrived in Texas August 29.

#### **ESF #8 (Public Health):**

##### ESF #8 National Park Service (NPS):

- There are currently three NPS personnel activated under Public Health Service through Health and Human Services supporting a Mission Assignment from FEMA for ESF #8. There are eight engineering officers from the PHS ready for immediate two week deployments, if requested. There are a total of 24 Public Health Officers in the NPS ready to deploy, if needed.

#### **ESF #9 (Search and Rescue):**

##### ESF #9 National Park Service (NPS):

- The NPS has mobilized boat teams from 9 park units including 8 boats and 18 staff who have arrived in Texas. These boats are currently in a designated staging area in College Station, Texas. Ten boats from USFWS have been moved to staging in Lumberton, Texas. Both, NPS and USFWS, boats are part of the Incident Action Plan (IAP) to be deployed as part of the larger SAR effort in Texas today.
- The NPS is also tracking 77 additional boats from other DOI agencies and 13 boats from the NPS that may be used for SAR.

#### **ESF #13 (Public Safety and Security):**

##### ESF # 13 Office of Law Enforcement and Security (OLEES):

- Quick Reaction Teams (QRT) 3-6 were not deployed August 30 and should not expect deployment orders this reporting period. Area hotels and ESF-13 lodging arrangements have been exhausted. Establishment of a new base camp will determine the timeline for deployment of QRTs 3-6.
- The ESF #13 Mission Assignment was increased from 1,700 personnel to 2,500 personnel on August 30.



## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

*Source: NPS – August 30, 2017*

The NPS continues support in several areas to benefit survivors and parks in the impacted area. Currently, the NPS has 53 staff deployed supporting operations for response and recovery. This number does not include local assets working in home park units. Additional NPS updates are as follows:

- **Padre Island (PAIS)** - Open. All facilities functioning today. Assessment pending for shoreline damage and beach erosion.
- **Big Thicket (BITH)** - Closed. All staff accounted for and the storm continues to affect the park. The south area of the park has had more than 44 inches of rain to date. The park is planning assessments today. The Headquarters Office and Visitor's Center do not appear damaged. Boat ramp and day use areas may be inaccessible for weeks due to river cresting.
- **San Antonio Missions (SAAN)** - Open. Normal park operations underway.
- **Lyndon B. Johnson (LYJO)** - Open. Normal park operations underway.
- **Jean Lafitte (JELA)** - Limited Closures. All employees accounted for. The Greater New Orleans site is open, however the Acadian Cultural Centers are closed. No need for assistance at this time.
- **Gulf Coast Network-** Open. All employees are accounted for, and no assistance is needed.
- **Cane River Creole National Historic Park (CARI)** - Closed. All employees are accounted for. Heavy rain started yesterday; more heavy rains expected into tomorrow morning. Water levels are rising around one employee's home, which flooded earlier this year. No resources needed at this time.

### **Bureau of Indian Affairs Update**

*Source: Bureau of Indian Affairs (BIA)– August 30, 2017*

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call yesterday, in support of the Tribes impacted by Harvey. With over 80 participants, the TAC-G received reports from FEMA Region VI, BIA EM, the Tunica-Biloxi Indian Tribe of Louisiana, the Alabama-Coushatta Tribe of Texas, the Louisiana Governor's Office of Homeland Security & Emergency Management (GOHSEP), and the United South and Eastern Tribes (USET). The main topic of the call was the discussion about donations, how to get resources to Tribes from other Tribes, and update on Tribal resource requests.

Tribes currently affected by Harvey reported the following:

Alabama-Coushatta Tribe of Texas

Tribal Offices are closed until September 5. The Alabama-Coushatta Tribe of Texas issued a State of Disaster Declaration but have not requested a Presidential Disaster Declaration. Several roadways closed due to flooding. Officials are monitoring residences daily and asking residents to remain indoors and be safe.

Tunica-Biloxi Indian Tribe of Louisiana

Tunica-Biloxi has requested 200 cots and blankets in addition to their initial request. They will set up a shelter at their gym for displaced Tribal members from the Houston/Corpus Christi areas. About 200 tribal members in Louisiana were impacted by storms. Indian Health Service (IHS) and the State of Louisiana Tribal Liaison are helping to locate equipment and supplies for the tribe. The Tribe is organizing a GoFundMe Site for donations for aid to impacted tribal members.

**U.S. Fish and Wildlife Service (USFWS) Update**

Source: USFWS – August 30, 2017

Region 2 (R2) is working with the Refuge Association to develop a donation fund. They will be in close coordination with R2’s local Friend’s groups. The Migratory Birds Office in Lafayette, LA is closed. In Aransas National Wildlife Refuge (NWR), damage assessments are still ongoing.

There are 28 personnel assigned to the incident with 21 assigned to the field. Additional home assessments continue in the flood zones. Additional resources have been ordered to Balcones, Texas Chenier NWR assessments, their arrival is contingent upon road conditions. USFWS has deployed four additional law enforcement officers (LEOs). There is a total of 10 FWS LEOs deployed to the response team.

**DOI Telecommunication Update**

Source: DOI Office of Chief Information Officer (OCIO)– August 31, 2017

The OCIO reports DOI-Enterprise Services Network is able to report eight DOI Sites with network services outages due to Harvey. There have been no known major site outages. There are no Telecommunication Service Priority site outages. The NPS NER-IMT has advised ESN to be on standby for any emergency requests for network communications.

<u>Customer</u>	<u>Status</u>	<u>Comment</u>
NPS (Thibodaux, LA)	Down	Site shut down due to Hurricane Harvey
FWS (Austwell, TX)	Down	Pending verification on Equipment/Power
FWS (Houston TX)	Down	Site powered down due to storm
BSEE (Houston TX)	Down	Site powered down due to storm

USGS (Corpus Christi, TX)	Down	Lan2Lan, Pending update on Equipment and Power
FWS (Corpus Christi, TX)	Down	Lan2Lan site down, no power
FWS (Los Fresnos, TX)	Down	Lan2Lan site down, no power
FWS (Hackberry, LA)	Down	Lan2Lan, Pending customer verify equipment/power

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA - August 31, 2017*

The FEMA National Watch Center remains at Watch/Steady State. The FEMA National Response Coordination Center (NRCC) and FEMA Region VI Regional Response Coordination Center (RRCC) both remain activated at Level I (24/7).

Two Incident Support Bases (ISBs) are open at Seguin, Texas and Camp Beauregard, Louisiana; a third ISB will open in Randolph, Texas by August 31. The DHS Secretary activated the Surge Capacity Force of 900 volunteers; 247 (+2) have deployed. The Texas State Emergency Operations Center (SEOC) remains at full activation. The Louisiana SEOC is at full activation.

Media sources report up to 37 fatalities with more expected as water recedes from the affected areas. The Addicks Reservoir is one foot above capacity; the Barker Reservoir is three feet below capacity.

#### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - August 30, 2017*

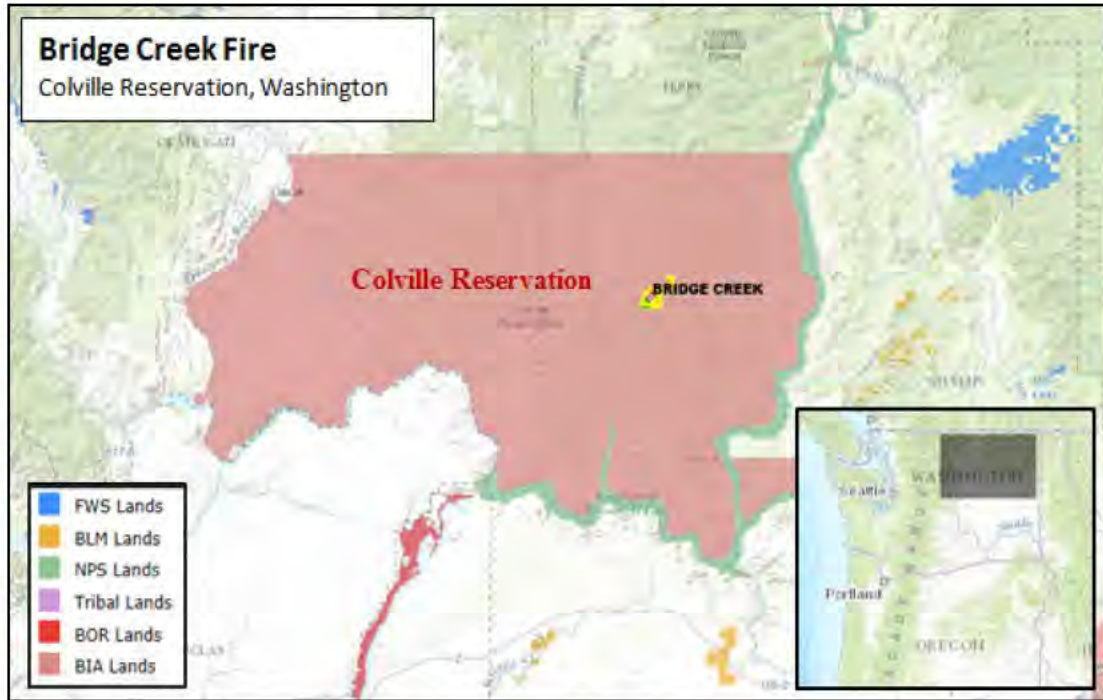
The **Nena Spring Fire** (Oregon), was not reported on during this operational period; therefore, the fire will no longer be summarized in this report.

#### **Washington**

##### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,575 (+45)
- Containment: 48-percent (+6)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 520 (-31) / 26 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. School started in town where the ICP is located, adding to traffic on the roads. The entire area within the fire's contingency lines is closed to public use for firefighter safety.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Slinkard	Mono, CA	BLM	3	3,000	0%	September 10
R-4	Washoe, CA	BLM	4	5,000	0%	September 11
Mud	Lassen, CA	BLM	4	6,042	40%	September 4
Bell Mountain	Butte, ID	BLM	4	1,330	0%	September 9
Sartin Draw	Powder River, MT	BLM	3	7,870	0%	September 6
Snake	Custer, MT	BLM	3	5,247	0%	September 6
Painted Hill	Big Horn, MT	BIA	3	2,496	90%	August 31

East Fork	Hill, MT	BIA	3	2,500	0%	September 3
Wolverine	Glacier, MT	BIA	4	3,035	85%	August 25
Coal	Elko, NV	BLM	3	2,500	0%	September 7
Valmy	Humboldt, NV	BLM	3	5,467	90%	August 31
Tohakum 2	Washoe, NV	BIA	3	30,000	0%	September 6
Tungsten	Churchill, NV	BLM	3	2,800	5%	September 3
Vista	Pershing, NV	BLM	4	5,920	90%	August 31
Nena Springs	Wasco, OR	BIA	5	68,007	90%	August 31

## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – August 31, 2017*

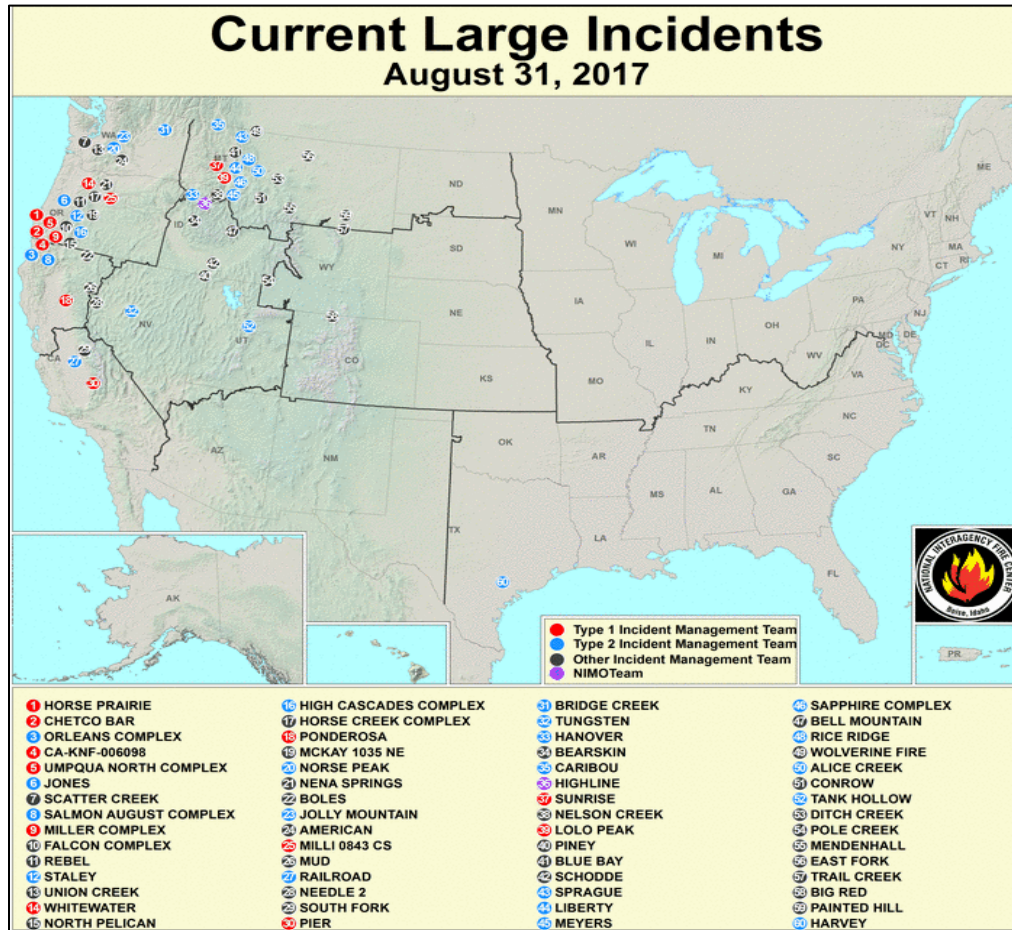
### **National Preparedness Level 5**

#### **National Fire Activity**

Initial attack activity:	Moderate (210 new fires)
New large fires:	14
Large fires contained:	5
Uncontained large fires: **	50
Area Command Teams committed:	1
NIMOs committed:	1
Type 1 IMTs committed:	12
Type 2 IMTs committed:	24

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 30, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at Bogoslof volcano and there was a brief eruption during this reporting period. Bogoslof volcano remains at a heightened state of unrest and unpredictable condition. Elevated surface temperatures were observed in satellite images yesterday, along with a steam plume drifting south-southeast, suggesting the presence of lava at the surface. Recent satellite data show a low-level plume, most likely steam, extending south about 30 miles beyond Bogoslof Island. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## Cleveland Volcano, AK

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Cleveland Volcano, elevated surface temperatures were observed in mostly cloudy satellite images over the past day, and a small vapor plume was visible above the summit in relatively clear web-camera images this morning. No unusual seismicity or airwave signals in infrasound data have been detected over the past day.

## Kilauea Volcano, HI

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 30, 2017*

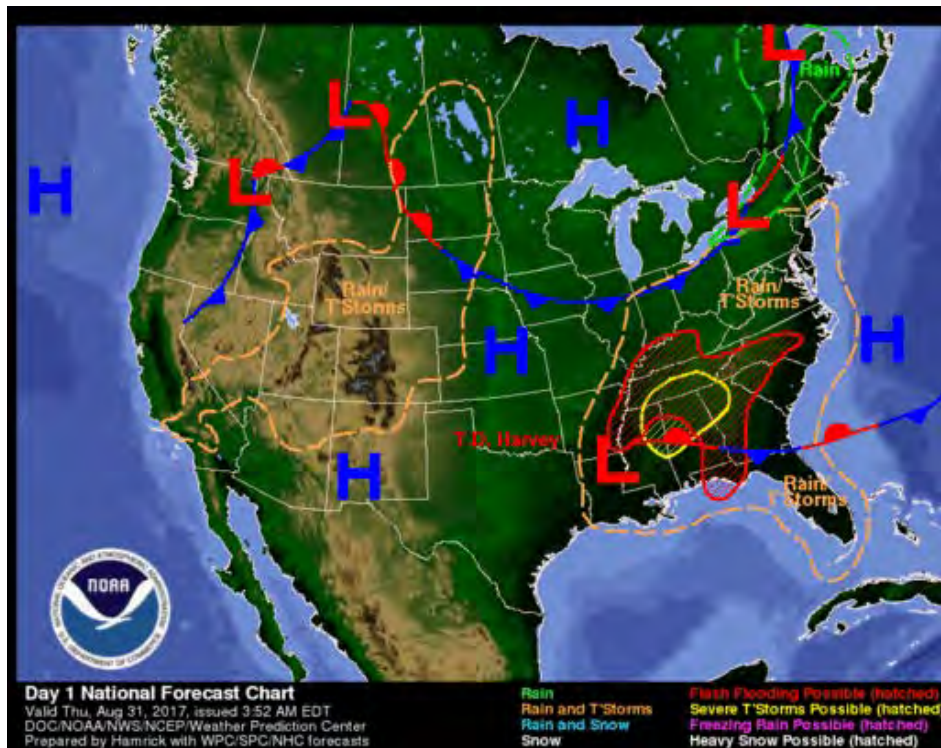
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Summit tiltmeters began recording deflationary tilt. The lava lake had fallen slightly overnight but this morning remains about 72 feet below the Overlook crater rim.

## Significant National Weather

*Source: National Weather Service - August 31, 2017*



## **Today**

The remnants of Harvey are forecast to move northeastward up the Mississippi River and then the Ohio Valley. There will be plenty of heavy rain along and to the northwest of the center. Flash flooding remains a possibility from Louisiana to Kentucky, where several inches of additional rainfall is likely. The heaviest rainfall totals through Saturday morning are expected over western Tennessee and western Kentucky, where a moderate to high risk of excessive rainfall is forecast. A cold front will extend from northern New England across the southern Great Lakes to the Dakotas. Rain showers will be possible across portions of New England and the Northeast. Across the West, very hot weather is expected for interior portions of California and extending northward into Oregon with highs well into the 90s and 100s for the lower elevations. Heat advisories and excessive heat warnings are currently in effect. Isolated to scattered afternoon/evening showers and storms are expected each afternoon across the Intermountain West. Some of these storms may aggravate ongoing fire weather concerns with gusty winds and lightning strikes.

## **Tomorrow**

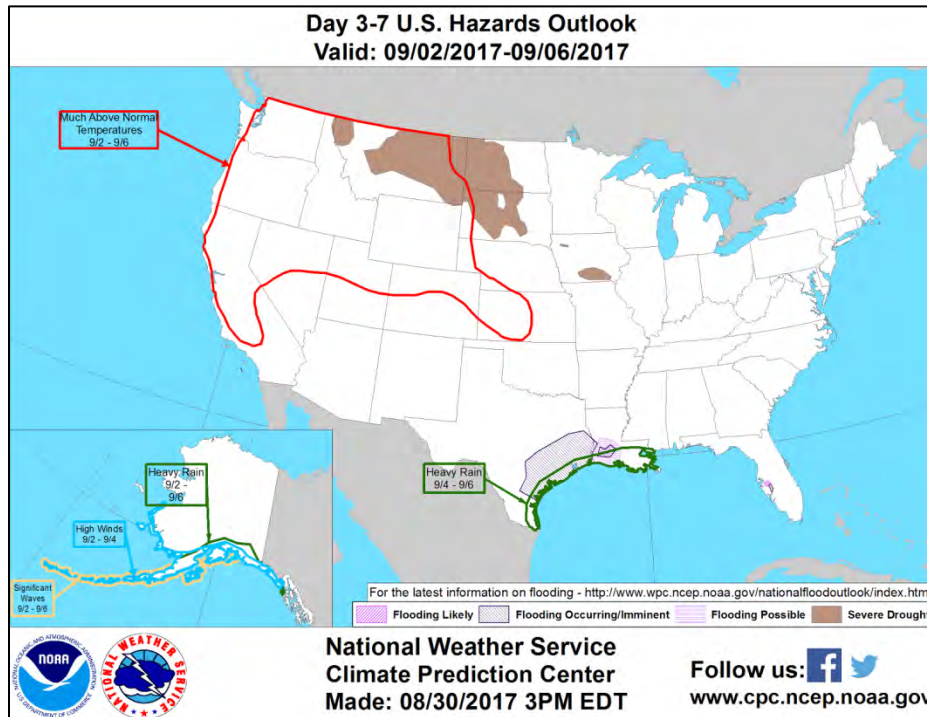
Harvey will continue to move up the Tennessee and Ohio Valleys. Rain and thunderstorms are expected across the South, Southeast, Tennessee and Ohio Valleys and southern Appalachians. Flash flooding will be a concern for the lower Ohio Valley and portions of southeast Virginia to central North Carolina. The potential for isolated strong and locally severe storms, including potential for damaging winds and a few tornadoes, is evident Friday from parts of southeast Kentucky and eastern Tennessee eastward across the Carolinas and far western Virginia. Rain showers will be possible from Indiana east to the mid-Atlantic. Scattered areas of rain and thunderstorms will develop from the Desert Southwest across the Four Corners to the central Plains and upper Midwest. Elsewhere, hot and dry weather will continue for the far West.

## **Weather Hazard Assessment**

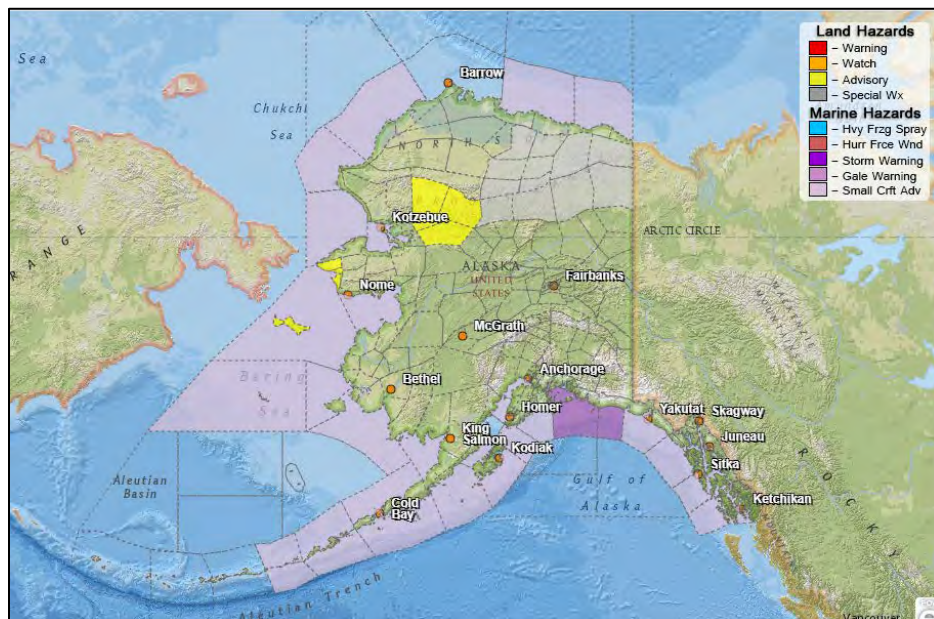
- August 31: Flooding occurring or imminent for parts of central Florida.
- August 31: Severe Drought across parts of the Great Plains, western Corn Belt, northern Rockies, and Hawaii
- September 4-6: Heavy rain for parts of the Gulf Coast from Brownsville, Texas to New Orleans, Louisiana.
- September 2-6: Periods of heavy rain for parts of the Aleutians, Alaska Peninsula, south coastal mainland Alaska, and the northern Alaska Panhandle.
- September 2-4: High winds for parts of the Aleutians, Alaska Peninsula, southern and western coastal mainland Alaska, and the northern Alaska Panhandle.
- September 2-6: Periods of significant waves for parts of the Aleutians, Alaska Peninsula and southern coastal mainland Alaska.
- September 2-6: Much above-normal temperatures for parts of the northern Intermountain West, central Great Basin, California, northern and central Rockies, and northern and central Plains.



- September 2-13: Flooding occurring or imminent, or possible for parts of the Texas Gulf Coast, inland areas of southeast Texas, and Louisiana.



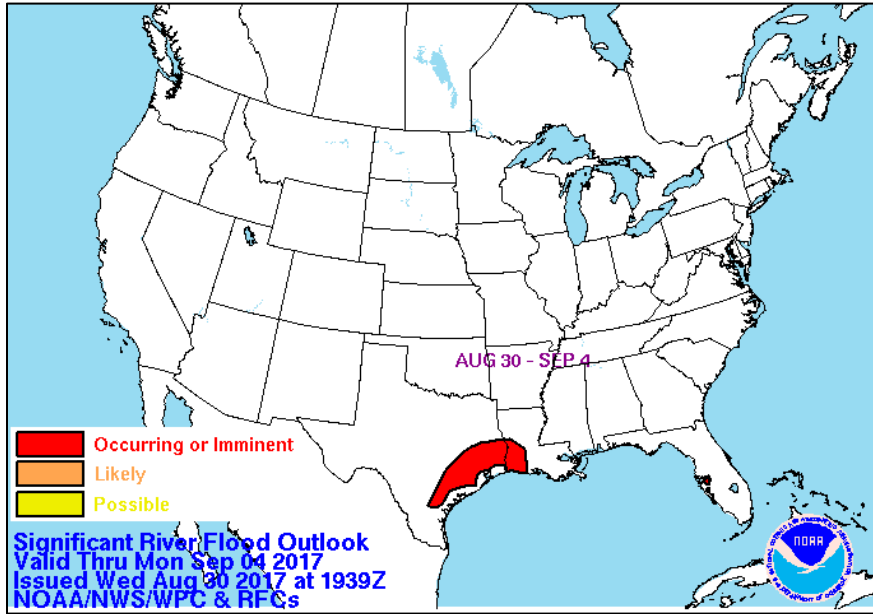
## Alaska Weather



A Small Craft Advisory is in effect from Nikolski to Dixon Entrance, Pribilof Islands, St. Matthew Island Waters to Nunivak Island, Bristol Bay, Cook Inlet, Cape Thompson to Cape Beaufort, Cape Halkett to Demarcation Point, Kotzebue Sound, and Norton Sound. A Gale

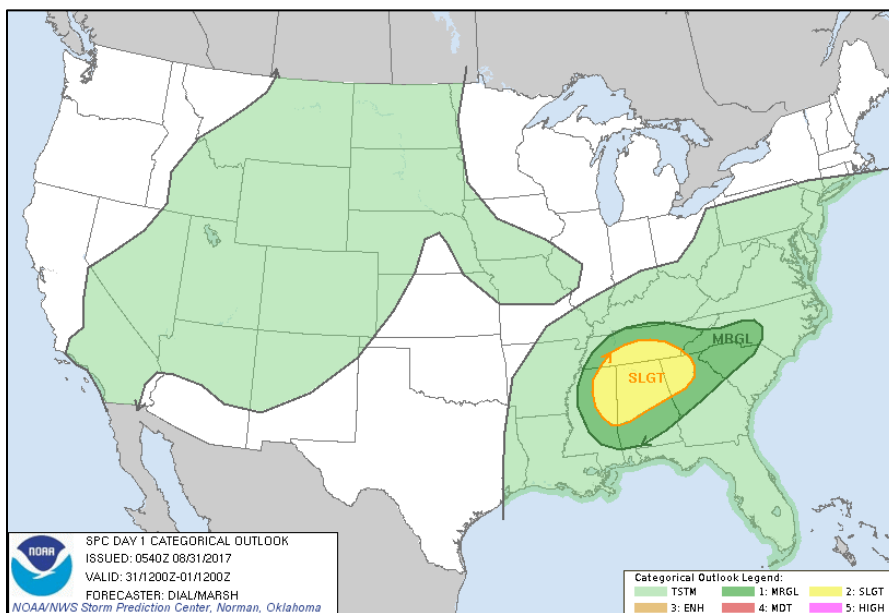
Warning is in effect throughout the Cape Clear to Icy Cape. A High Surf Advisory is in effect from Wales to Brevig Mission and Savoonga. There is a Special Weather Statement forecasting snow and wind in the Brooks Range. A Wind Advisory is in effect for Shugnak, Walker Lake, and Upper Noatak.

### Significant River Flooding



Flooding occurring or imminent, for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and southeastern Louisiana.

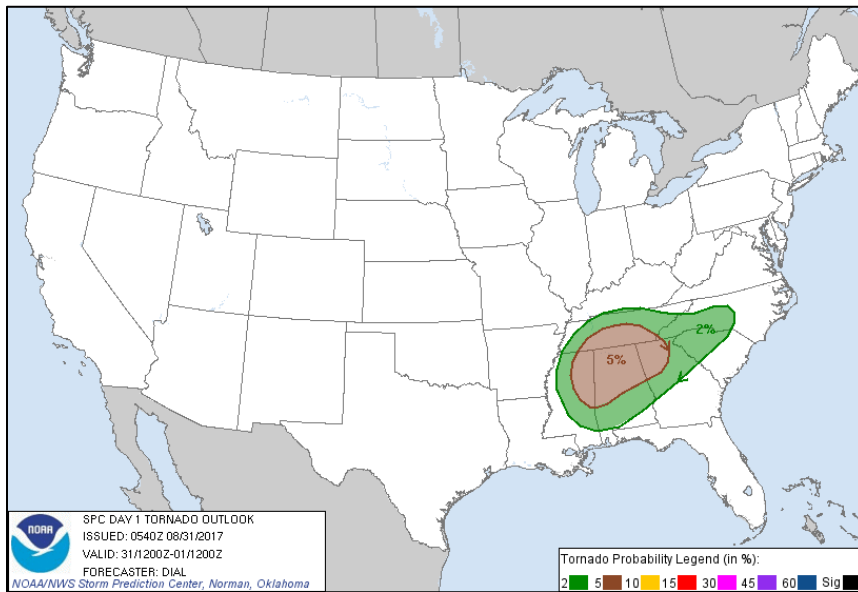
### Severe Weather



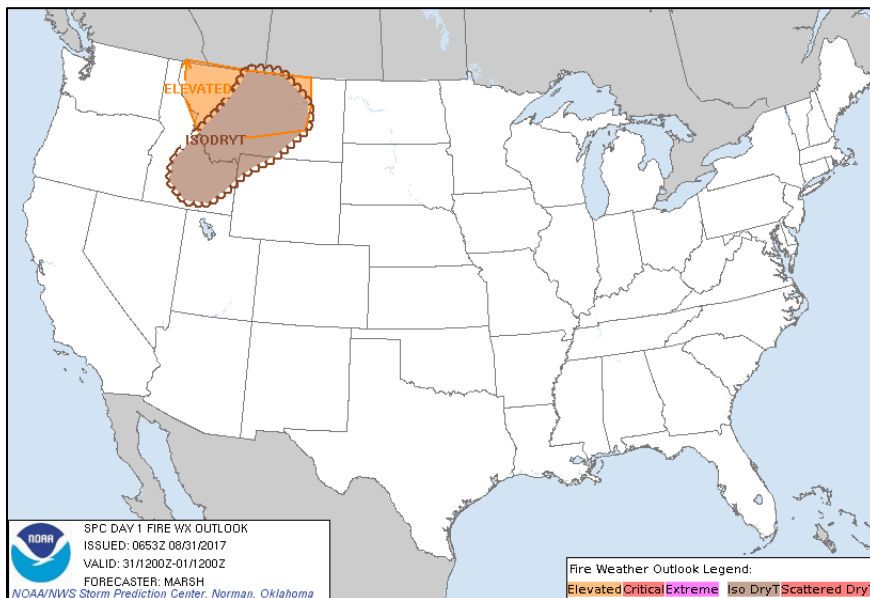
There is a Slight Risk of severe thunderstorms across parts of northeastern Mississippi, northern Alabama and northwestern Georgia. There is a Marginal Risk of severe thunderstorms outside of the Slight Risk area across parts of the lower Mississippi Valley and central Gulf Coast states.

### Tornado Weather

There is a 5-percent chance of tornado activity today in western Mississippi, northern Alabama, southern Tennessee, and northwestern Georgia. There is a 2-percent chance of tornado activity in portions the lower Mississippi Valley, Tennessee, and central Gulf Coast states.



### Fire Weather



There is no Critical Fire Weather forecast for today. There is Elevated Fire Weather forecast for Montana. There are Isolated Dry Thunderstorms possible for Idaho, Nevada, Montana, and western Wyoming.

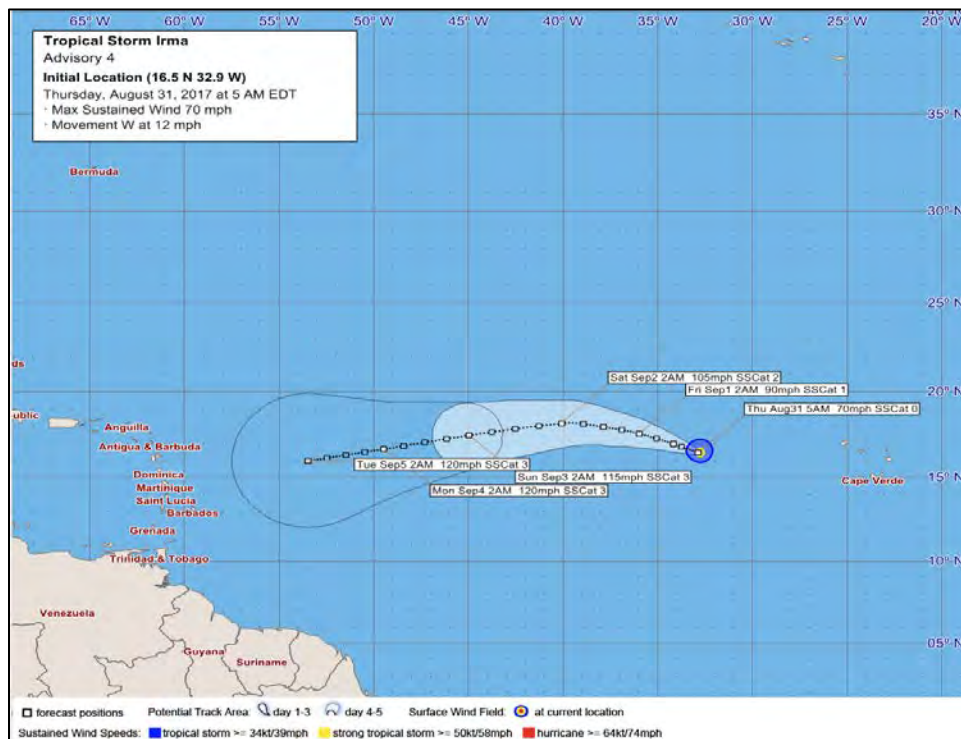
### Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – August 31, 2017

#### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Tropical Depression Harvey:** Is summarized at the beginning of this report.

**Tropical Storm Irma:** At 5:00 a.m. EDT, the center of Tropical Storm Irma was located about 590 miles west of the Cabo Verde Islands. Irma is moving toward the west near 12 mph. A west-northwestward motion is expected today and tonight, followed by a generally westward motion on Friday. Maximum sustained winds have increased to near 70 mph (110 km/h) with higher gusts. Additional strengthening is forecast, and Irma is likely to become a hurricane later today.



HURRAVAC Image

#### Eastern Pacific Ocean

**Tropical Storm Lidia:** At 5:00 a.m. EDT, Lidia is located approximately 115 miles south-southwest of Cabo San Lucas and is moving toward the north-northwest near 8 mph, this general motion is expected to continue through midday Friday. A turn toward the northwest at a faster forward speed is expected by Friday night. On the forecast track, the center of Lidia will be near

the southern tip of the Baja California peninsula this afternoon, and it will move over the peninsula Friday and Friday night.

Maximum sustained winds have increased to near 45 mph with higher gusts. A hurricane Watch is in effect for Baja California Sur from Puerto Cortes to east of La Paz. Additional strengthening is forecast for the next 24 hours or so before Lidia's center reaches the Baja California peninsula. The government of Mexico has extended the Tropical Storm Warning north of Puerto Cortes to Puerto San Andresito, north of San Evaristo to Loreto, and north of Huatabampito to Guaymas. A Tropical Storm Watch has been issued north of Puerto San Andresito to Punta Abrejos, north of Loreto to Bahia San Juan Bautista, and north of Guaymas to Bahia Kino.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Friday, September 1, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Depression Harvey - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 1, 2017:**

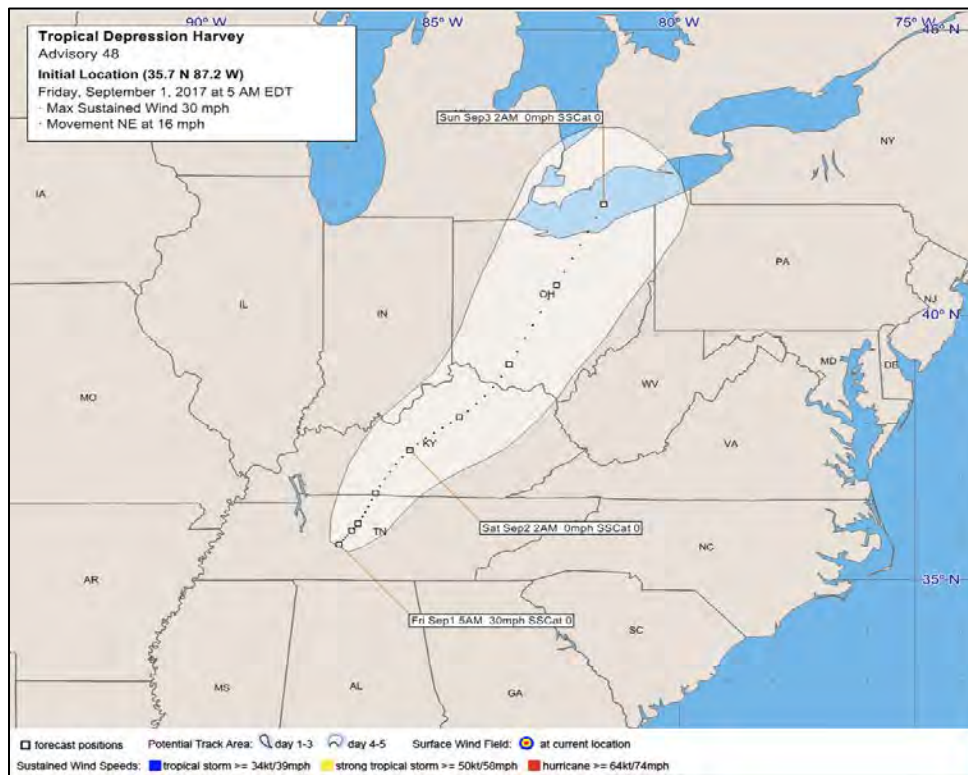
There are currently 118 DOI personnel supporting the response under the Federal Emergency management Agency (FEMA) mission assignments (MAs).

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Sub-Tasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
Emergency Support Function (ESF) #5 8/25/2017 TX- 17082301-	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

DOI-01					
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	2 USGS Crews (4 personnel) currently collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	Corpus Christi, TX
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9 UAS Pilots BLM – 4 FWS – 1 OAS – 1 USGS – 1 NPS – 2	College Station, TX
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked under ATF ESF-13 MA \$5.6m	Two 25 Person Teams QRT 1 13 - USFWS Refuge 12 - NPS (SER SET) QRT 2 10 - BLM 13 - BIA 2 - OLES	QRT 1 in en route to Galveston from Houston; QRT 2 en route to Houston from San Antonio.

## General Situation \_

Source: National Weather Service/National Hurricane Center – September 1, 2017



*HURREVAC Image*

As of 5:00 a.m. EDT, Tropical Depression Harvey was located about 40 miles southwest of the Nashville, Tennessee with maximum sustained winds of 30 miles per hour (mph). Harvey is beginning to lose tropical characteristics as heavy rain spreads towards the Ohio Valley. Severe flooding continues across far eastern Texas and western Louisiana. Harvey is expected to become an extratropical system as it continues to move northeastward and weakens.

Tropical Depression Harvey is expected to produce an additional one to three inches of rain from western to central Tennessee and western to central Kentucky into extreme southeastern Indiana, southern Ohio and west central West Virginia. Locally higher totals of five inches are possible from western Tennessee to west central Kentucky. These rains will enhance the Flash Flooding risk across these areas. Meanwhile, widespread severe flooding will continue in and around Houston, Beaumont, Port Arthur, Orange, and eastward around the Louisiana border through the weekend.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #9 (Search and Rescue):**

- UAS flight conducted with four staff supporting (OAS, BLM, NPS, FWS) which focused on road damage and accessibility in the town of Nome, Texas. There were 7 flights for a



total of one hour of flight time. The Firefly UAS also arrived in Texas and has a pending mission in the area of Crosby, TX.

- The Federal Emergency Management Agency (FEMA) tasked 7 NPS boats today near Wharton, TX with the FEMA Urban Search and Rescue Task Forces. The NPS still has 8 boats and 18 staff deployed from 9 park units supporting the mission.
- The FSARCG remains operational with two NPS employees in College Station, Texas.

**ESF #13 (Public Safety and Security):**

- QRT 1 is operational and is en route from Houston to Galveston.
- QRT 2 was en route from San Antonio to Houston on August 31. It is expected they will be operational in Houston September 1.
- The mission briefing packets and deployment orders for QRTs 3-6 have been finalized, and should be received the morning of September 1. The intended check-in point will be NRG stadium in Houston.
- A QRT 7 roster was sent to ESF-13 the afternoon of August 31.
- The BIA Mobile Command Vehicle (MCV) and bunkhouse resources remain in standby status. ESF-13 is looking to increase the number of MCVs and bunkhouses on the MA, so these resources may be utilized within the next day or two. Additional Type II and Type III MCVs may also be used.
- As a reminder, if any office has additional manpower to fulfill these MA's, to include single unit resources, please identify the personnel and send to the OLES/ESF-13 Representative.
- ESF-9 has requested that any LEOs deployed under ESF-13 who are boat operators transport their government vessel to the staging area. It is understood that these officers are to be tasked under ESF-13 until they are demobilized and available for reassignment under ESF-9.
- The base camp at NRG Stadium is anticipated to be operational on the evening of September 2. Alternative lodging arrangements were coordinated by ESF-13 for August 31 and September 1.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

*Source: NPS – August 31, 2017*

The NPS continues support in several areas to benefit survivors and parks in the impacted area. Currently, the NPS has 53 staff deployed supporting operations for response and recovery. This number does not include local assets working in home park units.

The Intermountain Incident Management Team is operational. On August 30, two technical specialists and the team's Safety Officer and Operations Chief traveled to Padre Island National Seashore to perform damage assessments. Assessments were completed. On September 2, the team will reposition in Livingston, Texas to support Big Thicket National Preserve.

Additional NPS updates are as follows:

- **Big Thicket (BITH)** - The park is closed and all 26 employees are accounted for. The park is in touch with the Intermountain IMT and will interface with the team over the weekend to help with assessment. The Headquarters and Visitor's Center have minimal impacts as of August 31. Much of the park is still inundated with flood waters and inaccessible. Park Incident Management teams were out locally early in the afternoon of August 31 to begin assessments. Park rangers continue to support local operations with airboat rescues. There are areas of the park which will be underwater for more than a week. There are 4 employees who have been displaced from homes as of August 31. Due to flood waters and extended outages, the number of displaced employees may increase.
- **Cane River Creole National Historic Park (CARI)** - The park is closed and all employees accounted for. The park plans to reopen today, weather permitting. Initial assessments were carried out the morning of August 31. Oakland and Magnolia areas report no significant damage. Some downed trees noted, no damage to the building or landscape. Some roads leading into the park are still flooded. One employee was forced out of his house on August 30 due to a mandatory evacuation order; no word on the status of his property. No resources needed at this time.

### **Bureau of Indian Affairs Update**

*Source: Bureau of Indian Affairs (BIA)– August 31, 2017*

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call in support of the Tribes impacted by Harvey. With over 75 participants, the TAC-G received reports from FEMA Region VI, BIA EM, the Tunica-Biloxi Indian Tribe of Louisiana, the Alabama-Coushatta Tribe of Texas, the Small Business Administration (SBA), the Red Cross, the Salvation Army, and the DOI OEPC. The main topics of the call were the discussions about FEMA/SBA Hurricane Survivor Benefit procedures and donation management.

Subject matter experts from FEMA and the SBA briefed the group and answered questions from the participants. The TAC-G District of Columbia shared information on lessons learned about the SBA loan process and trouble his survivors had when not knowing the importance of following all of the FEMA and SBA steps.

DOI OEPC gave a briefing and reminders about protecting culturally significant collections, artwork, museum pieces, and historical documents that may be damaged in flooding and severe weather. Cultural heritage institutions affected by Hurricane Harvey are encouraged to call the NHR hotline for advice and referrals.

Tribes currently affected by Harvey reported the following:

*Alabama-Coushatta Tribe of Texas*

The Alabama Coushatta Tribe of Texas made a request to the TAC-G for additional sandbags, due to a low inventory and potential of more storms and flooding. The BIA Emergency Management representative made the arrangements to ship more sandbags.

*Ysleta del Sur Pueblo (YDSP) of Texas*

YDSP EOC continues at Level 3 (Monitoring Conditions – remotely) activation due a verbal request from El Paso City/County OEM on Sunday, August 27 to assist in sheltering potential Hurricane Harvey Evacuees from east Texas. If El Paso receives a shelter mission from Texas Division of Emergency Management (TDEM), EOC activation will move to a Level 2 (Partial) to support possible General Population (Gen Pop) shelter operations at the Pueblo.

The YDSP designated shelter facility, the Tiwa Hun Complex, has a capacity of 300 persons. Preparations continue to ready the facility and personnel for general population shelter operations, if needed.

*Tunica-Biloxi Indian Tribe of Louisiana*

There is no damage from the storm or flooding reported; however, some flooding is still active. The Tribe is still working on their shelter for Tribal members coming home from the impacted area. Off-reservation Tribal families continue to cope with flooding. A Tunica Biloxi team is enroute to the Houston region on a relief mission next week.

## **DOI Telecommunication Update**

*Source: DOI Office of Chief Information Officer (OCIO)– August 31, 2017*

The OCIO reports nine DOI Sites with network services outages due to Harvey. Two new network outages were identified; NPS (Natchitoches, LA) and FWS (Sabine Pass, TX). Two sites were restored; USGS (Corpus Christi, TX) and BSEE (Houston, TX). There have been no known major site outages. There are no Telecommunication Service Priority site outages.

<b>Customer</b>	<b>Status</b>	<b>Comment</b>
NPS (Thibodaux, LA)	Down	Site shut down due to Hurricane Harvey
FWS (Austwell, TX)	Down	Pending verification on Equipment/Power
FWS (Houston TX)	Down	Site powered down due to storm
FWS (Corpus Christi, TX)	Down	Lan2Lan site down, no power
FWS (Los Fresnos, TX)	Down	Lan2Lan site down, no power
FWS (Hackberry, LA)	Down	Lan2Lan, Pending customer verify equipment/power
NPS (Derry, LA)	Down	Pending verify on Equipment/Power
NPS (Natchitoches, LA)	Down	Pending verify on Equipment/Power
FWS (Sabine Pass, TX)	Down	Site shut down due to storm

## **Other Federal and State Government Reporting**

### **Department of Homeland Security National Operations Center Situation Report**

*Source: DHS National Operations Center and FEMA -September 1, 2017*

The FEMA National Watch Center remains at Watch/Steady State. The FEMA National Response Coordination Center (NRCC) and FEMA Region VI Regional Response Coordination Center (RRCC) both remain activated at Level I (24/7).

Three Incident Support Bases (ISBs) are open at Seguin, Texas; Camp Beauregard, Louisiana; and Randolph, Texas. The DHS Secretary activated the Surge Capacity Force of 900 volunteers with 509 deployed. The Texas State Emergency Operations Center (SEOC) remains at full activation. The Louisiana SEOC is at full activation. The Kentucky SEOC will activate to Level

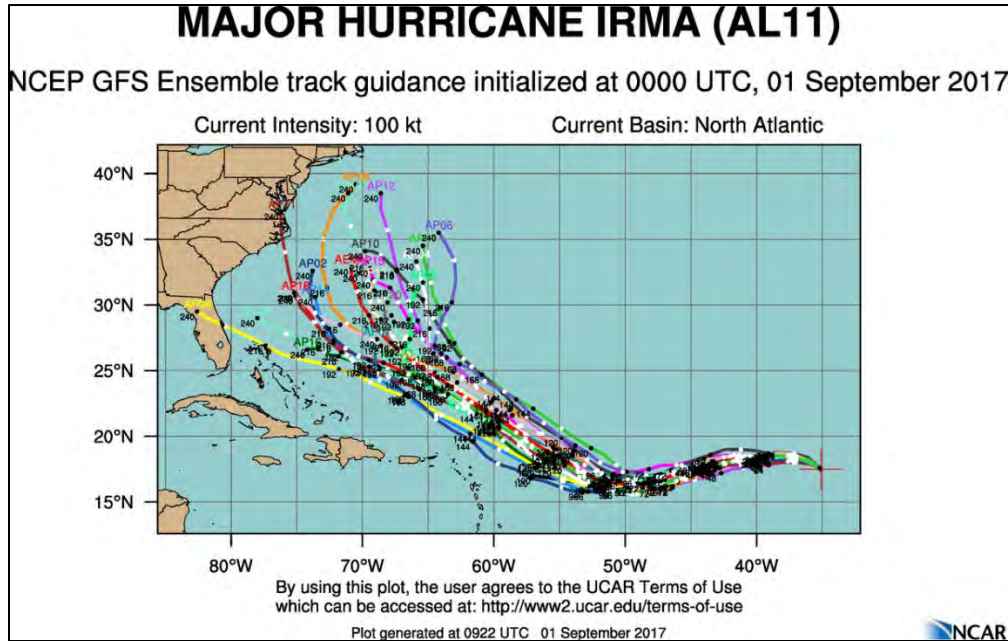
4 (Monitoring). The U.S. Navy has deployed two amphibious operations ships with U.S. Marines embarked to support recovery operations.

Media sources report up to 39 fatalities with more expected as water recedes from the affected areas. FEMA initiated a GIS Model to base damage assessment of potential damage to structures from flood inundation. The modeling is based on the development of flooding depth grids using river, coastal, and tide gauges; then verified with satellite imagery. FEMA estimates a total of over 137,000 residential homes may be affected out of 2,737,001 across 29 counties. Estimates of over 24,000 residential homes may have major damage due to over 5 feet of inundation across 29 counties. Increases are expected based on higher gauge heights recorded yesterday evening.

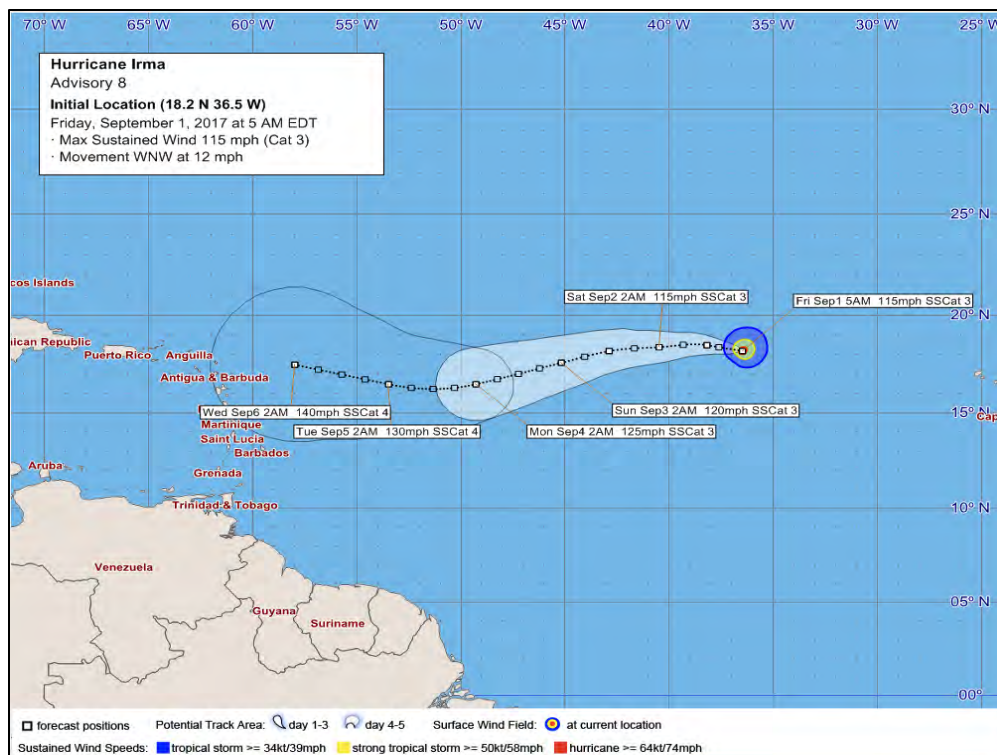
## **Hurricane Irma - Atlantic Ocean**

### **General Situation**

*Source: National Weather Service/National Hurricane Center – September 1, 2017*



NCAR Graphic



HURREVAC Image

Hurricane Irma is a category 3 hurricane located 775 miles west of Cabo Verde Islands with maximum sustained winds of 115 mph. Irma is moving west-northwest at 12 mph. A turn to the west is expected today, followed by a turn toward the west-southwest on September 2. Fluctuations in strength are possible during the next several days; however, Irma is expected to remain a powerful hurricane throughout the weekend. Hurricane force winds extend outward up to 15 miles from the center, and tropical storm force winds extend outward up to 90 miles. There are no coastal watches or warnings in effect.

**DOI Bureau and Office Reporting**

**DOI Office of Insular Affairs**

*Source: DOI Office of Insular Affairs (OIA) Update – August 31, 2017*

Although no OIA assets are located in U.S. Virgin Islands (USVI) or Puerto Rico, OIA has communicated with the Director of the Virgin Islands Territorial Emergency Management Office (VITEMA), and OIA will continue to stay updated. If the hurricane stays on track, FEMA will deploy an Incident Management Team to the USVI either September 2 or September 3. VITEMA will begin alerts to the public on Monday, September 4. OIA is reviewing its grant programs and resources to identify possible financial assistance to the USVI government for eligible unmet needs.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security National Operations Center**

*Source: FEMA Operations Order (OPORD) 14-2017 – August 31, 2017*

Due to the rapid increase in strengthening and projected path of Hurricane Irma, the FEMA Operations Center issued OPORD 14-2017. While the forecast is uncertain, current projected timeframes for Tropical Storm force winds affecting Puerto Rico and the USVI are as early as Wednesday, September 6. The newly-formed Hurricane Irma Crisis Action Planning team is charged with developing unity of effort among federal partners in support of the hurricane threat to Puerto Rico and the USVI.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 1, 2017*

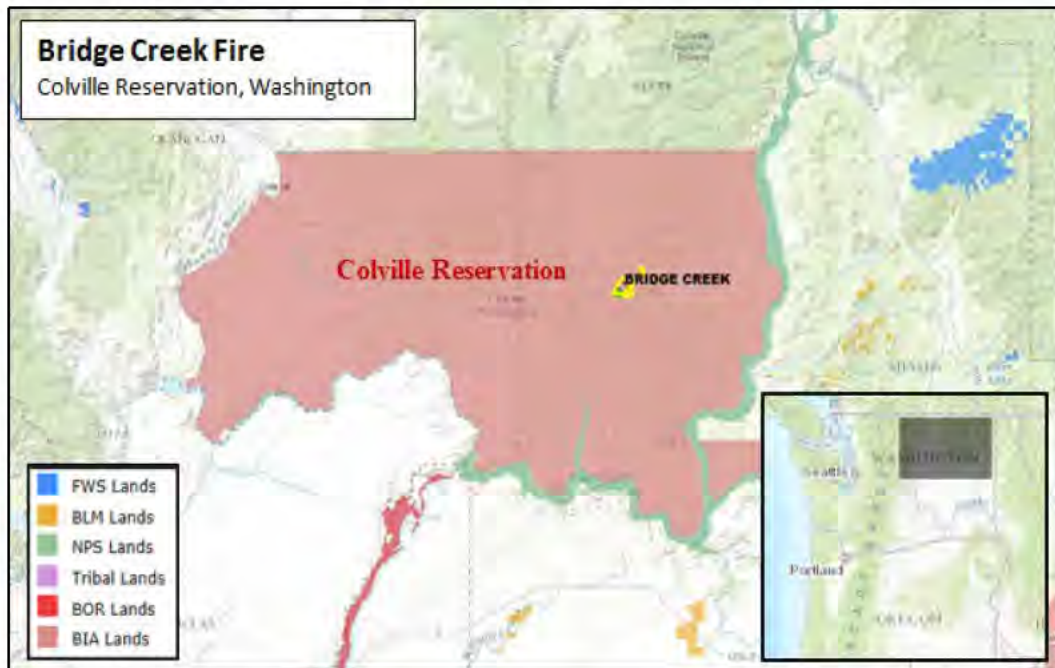
The **Mud Fire** (California), the **Snake Fire** and **Painted Hill** (MT), **Vista Fire** and **Valmy Fire** (Nevada), were not reported on during this operational period; therefore, the fire will no longer be summarized in this report. The **Slinkard Fire** (California) is no longer led by a DOI IMT, and will no longer be summarized in this report.

## **Washington**

### **Bridge Creek Fire**

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,591 (+16)
- Containment: 58-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 476 (-44) / 26 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 5 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, torching, and flanking. Cultural and natural resources are threatened, impacting Colville Tribes local government economy and life values. Impacts to Bridge Creek Road, a main transportation route to local residents and visitors, include smoke, rocks from activities and fire traffic. Bow hunting season begins soon, hunters will most likely be unable to hunt the fire area and roads adjacent to the fire.



IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
R-4	Washoe, CA	BLM	4	19,000	10%	September 10
Bell Mountain	Butte, ID	BLM	4	1,340	50%	September 2
Sartin Draw	Powder River, MT	BLM	3	80,000	5%	September 9
Brush Flat	Big Horn, MT	BLM	4	20,000	0%	September 9
Tidwell	Big Horn, MT	BLM	4	10,000	0%	September 9
1026	Rosebud, MT	BLM	4	8,214	80%	August 27
East Fork	Hill, MT	BIA	3	20,000	0%	September 16
Wolverine	Glacier, MT	BIA	4	3,035	85%	August 25
Coal	Elko, NV	BLM	3	2,945	85%	September 2
Tohakum 2	Washoe, NV	BIA	3	52,704	0%	September 6
Tungsten	Churchill, NV	BLM	3	5,068	50%	September 3



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – September 1, 2017*

### **National Preparedness Level 5**

#### **National Fire Activity**

Initial attack activity:	Light (144 new fires)
New large fires:	18
Large fires contained:	5
Uncontained large fires: **	56
Area Command Teams committed:	1
NIMOs committed:	2
Type 1 IMTs committed:	13
Type 2 IMTs committed:	27

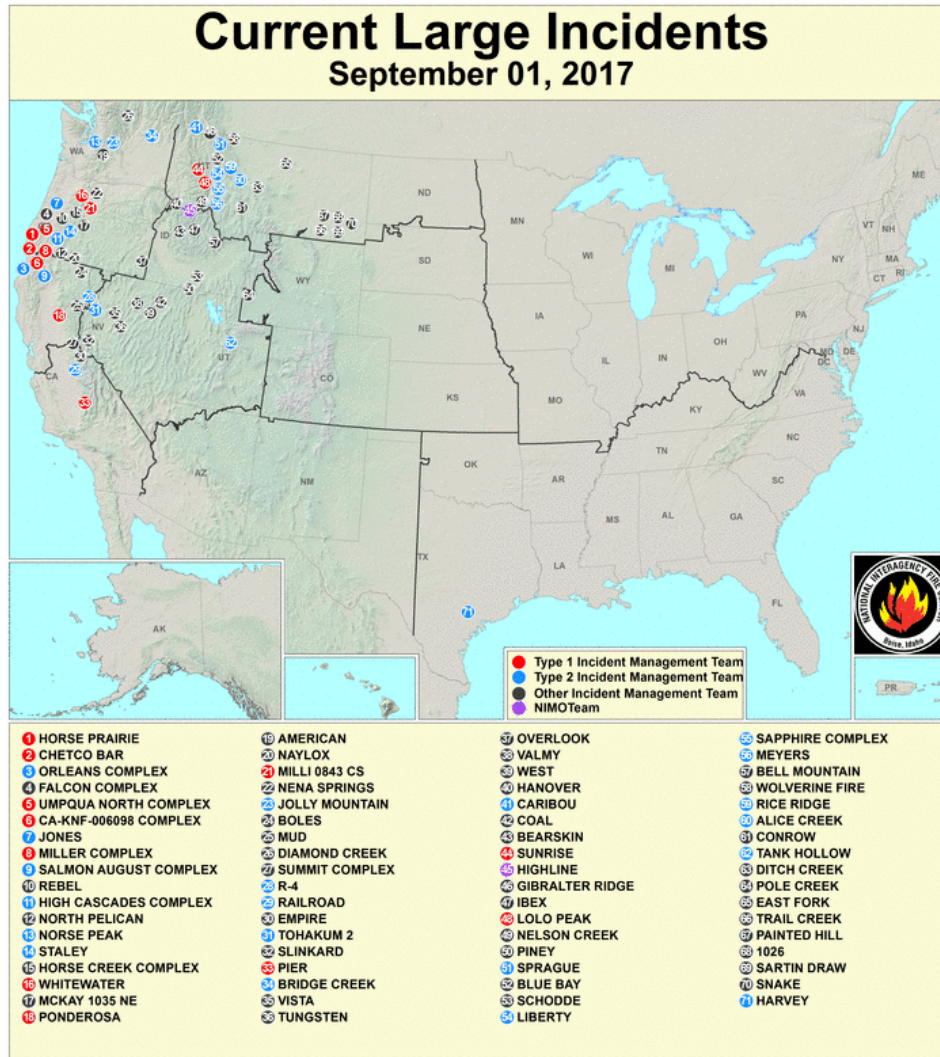
\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **National Multi-Agency Coordination Group Update**

*Source: NMAC Correspondence 2017-29 - August 31, 2017*

The NMAC issued a correspondence regarding the current national emergency response situation, in the context of wildland fire resources and availability. On August 28, the NMAC published a report listing the types of resources that are currently unavailable through the national wildfire response system. Ongoing wildland fire activity has placed the national Preparedness Level (PL) at PL 5, due to high volume of fire activity in multiple geographic areas that is anticipated through the end of September. Resources are also being used to assist with Hurricane Harvey response and recovery efforts, which may last throughout the month of September. Despite these shortfalls, resources for Harvey relief efforts are, and will continue to be provided by wildland fire management personnel in all agencies and at all levels of government.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 31, 2017

Alert Level = **WATCH**

Color Code = **ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data since the brief eruption that occurred August 30. Satellite data from yesterday afternoon show a vapor plume extending about 40 miles south-southeast from the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – August 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Cleveland Volcano. A small vapor plume was visible above the summit in relatively clear web camera images August 30. No unusual seismicity or airwave signals in infrasound data have been detected over the past reporting period.

**Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – August 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Summit tiltmeters have been recording gradual inflationary tilt for the past 2 days, with a net inflation of roughly 2 microradians during this interval. The depth to the lava lake surface measured yesterday afternoon was 107 feet below the adjacent floor of Halema‘uma‘u.

**Earthquake Activity**

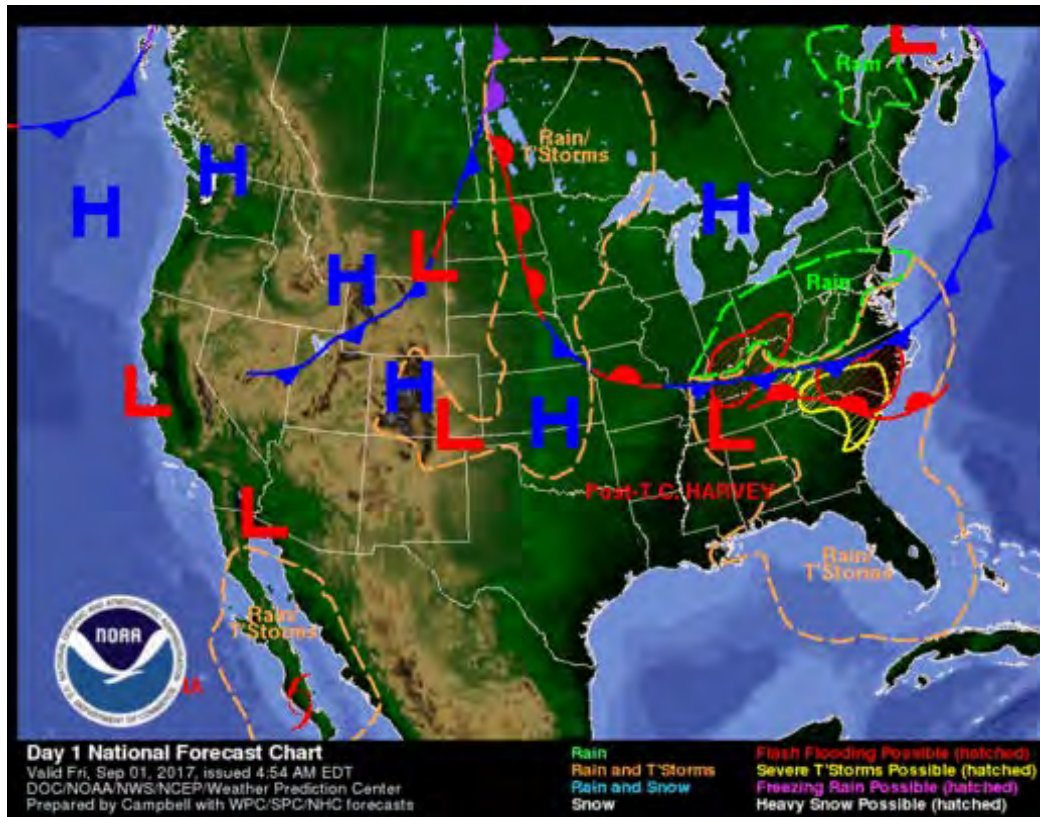
*Source: U.S. Geological Survey - August 31, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.2 earthquake occurred on August 31 at 1:06 p.m. EDT, approximately 44 miles to the southwest of Pariaman, Indonesia at a depth of 30 miles. The USGS issued a Green PAGER Alert, indicating a low likelihood of damage and casualties. No tsunami was generated from this event.

The USGS reported that a magnitude 5.5 earthquake occurred on August 31 at 1:46 p.m. EDT, approximately 13 miles to the southeast of Kaguyak, Alaska at a depth of 38 miles. The USGS issued a Green PAGER Alert, indicating a low likelihood of damage and casualties. No tsunami was generated from this event.

## ***Significant National Weather***

*Source: National Weather Service - September 1, 2017*



### **Today**

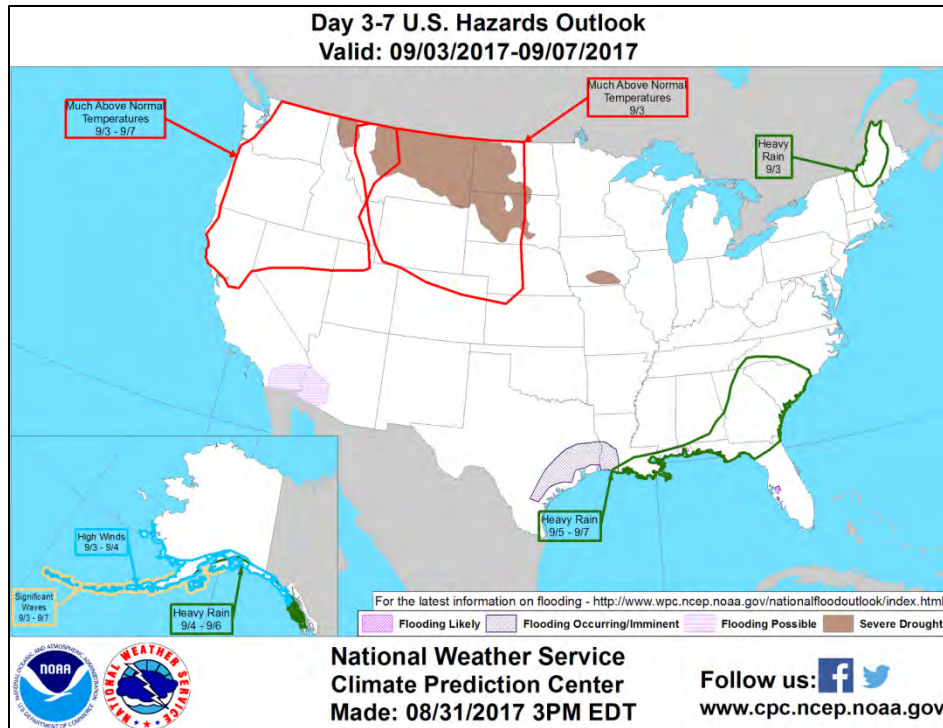
The remnants of Harvey are forecast to move northeastward into the southern Appalachians. There is a slight chance of severe storms across Smoky Mountain region into Carolinas. Flash flooding remains a possibility thru the Ohio Valley and mid-Atlantic region. Heavy rain (up to 10 inches) will hit most of Kentucky and Tennessee thru September 2, with lesser amounts (2-4 inches) over the Carolinas and southern Virginia. Very hot weather is expected for portions of California and Oregon with highs well into 90s/100s. Heat advisories and excessive heat warnings are currently in effect. Isolated and scattered afternoon and evening storms are expected in the Intermountain West region. Some of these storms may aggravate ongoing fire weather concerns with gusty winds and lightning strikes.

### **Tomorrow**

What remains of Harvey will continue to move through the Ohio Valley. Rain showers are expected from the southern Appalachians into the Northeast and Great Lakes. Rain and thunderstorms will be possible from the southern mid-Atlantic to the Southeast then west to the Texas coastal region. There will be a marginal risk for a couple of brief tornadoes, is expected to evolve across mainly the mid-Atlantic region on Saturday. Afternoon and evening showers and

thunderstorms will develop across the Desert Southwest and portions of the Four Corners. Elsewhere, hot and dry weather will continue for the west and northern Rockies.

## Weather Hazard Assessment



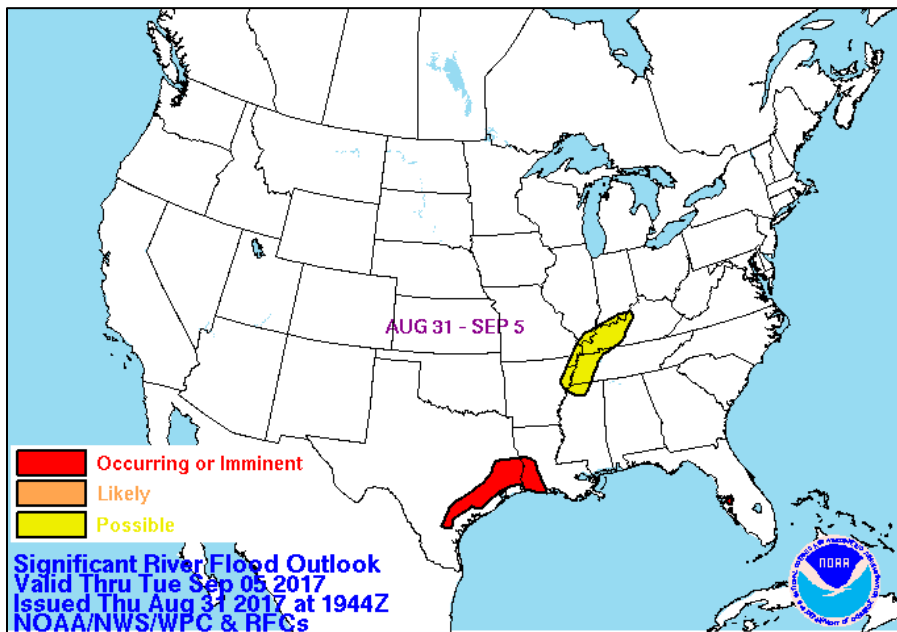
- September 1: Severe Drought across parts of the Great Plains, western Corn Belt, northern Rockies, and Hawaii.
- September 1: Flooding occurring or imminent for parts of central Florida.
- September 3: Heavy rain for parts of the Northeast.
- September 3: Much above-normal temperatures for parts of the northern and central Rockies, and northern and central Plains.
- September 3-4: Flooding likely for parts of southern Alabama.
- September 3-4: Flooding possible for parts of southern California and the southwest.
- September 3-4: High winds for parts of the Aleutians, Alaska Peninsula, southern and western coastal mainland Alaska, and the northern Alaska Panhandle.
- September 3-7: Periods of significant waves for parts of the Aleutians, Alaska Peninsula and southern coastal mainland Alaska.
- September 3-7: Much above-normal temperatures for parts of the Pacific Northwest, northern Intermountain West, central Great Basin, northern California, and northern Rockies.
- September 3-7: Flooding occurring or imminent for parts of inland areas of southeast Texas, and southwest Louisiana.
- September 4-6: Periods of heavy rain for parts of south coastal mainland Alaska and the Alaska Panhandle
- September 5-7: Heavy rain for parts of the central and eastern Gulf Coast and the southeast.

## Alaska Weather



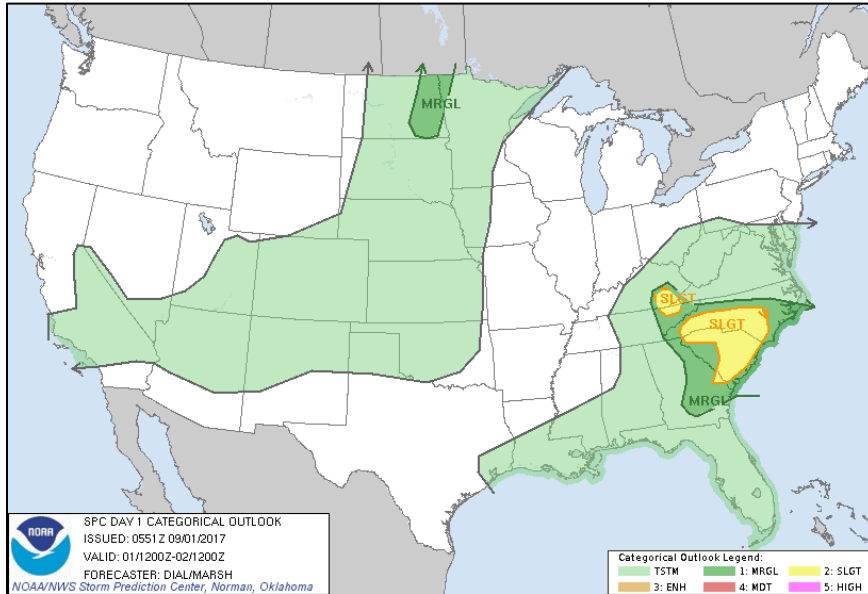
A Small Craft Advisory is in effect throughout the Aleutian Islands, from Attu to Adak, Castle Cape throughout the Gulf of Alaska, the Shelikof Strait, Cape Sarichef, Bristol Bay, and Wales north through Demarcation Point.

### Significant River Flooding



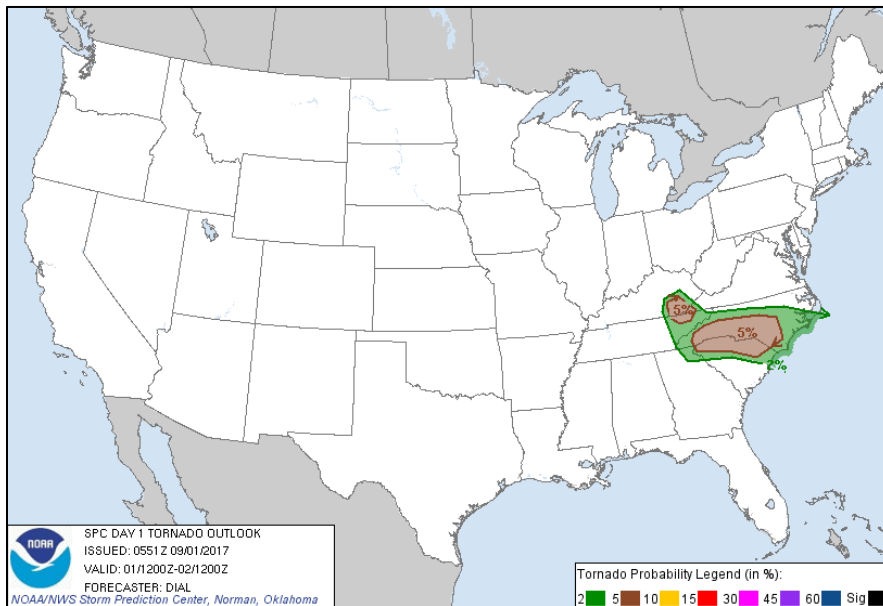
Flooding occurring or imminent, for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and southeastern Louisiana. Flooding is possible for the central Mississippi Valley.

## Severe Weather



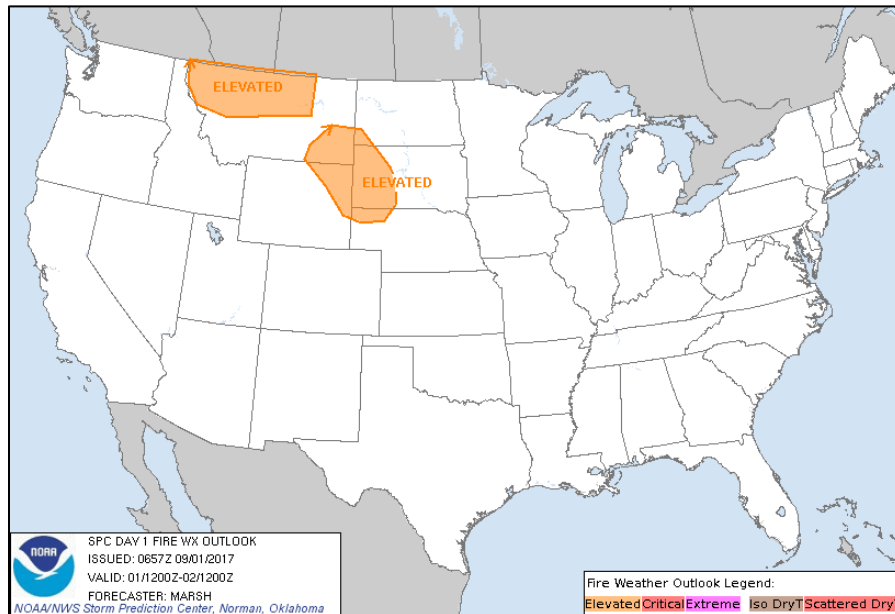
There is a Slight Risk of severe thunderstorms over a portions of the Carolinas and southeast Kentucky into northeast Tennessee. There is a Marginal Risk of severe thunderstorms from the southern Appalachians into Georgia and the Carolinas and from eastern North Dakota into northwest Minnesota.

## Tornado Weather



There is a 5-percent chance of tornado activity today portions of the Carolinas and southeast Kentucky into northeast Tennessee. There is a 2-percent chance of tornado activity southern Appalachians into Georgia and the Carolinas.

## Fire Weather

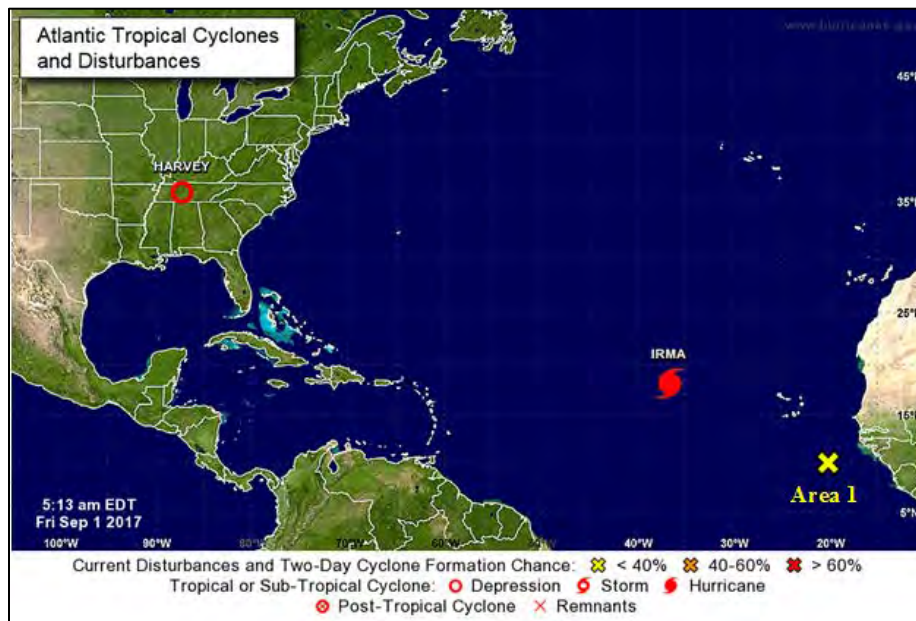


There is no Critical Fire Weather forecast for today. There is Elevated Fire Weather forecast for Montana, far southwest North Dakota, western South Dakota, northern Nebraska and northwest Wyoming.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 1, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



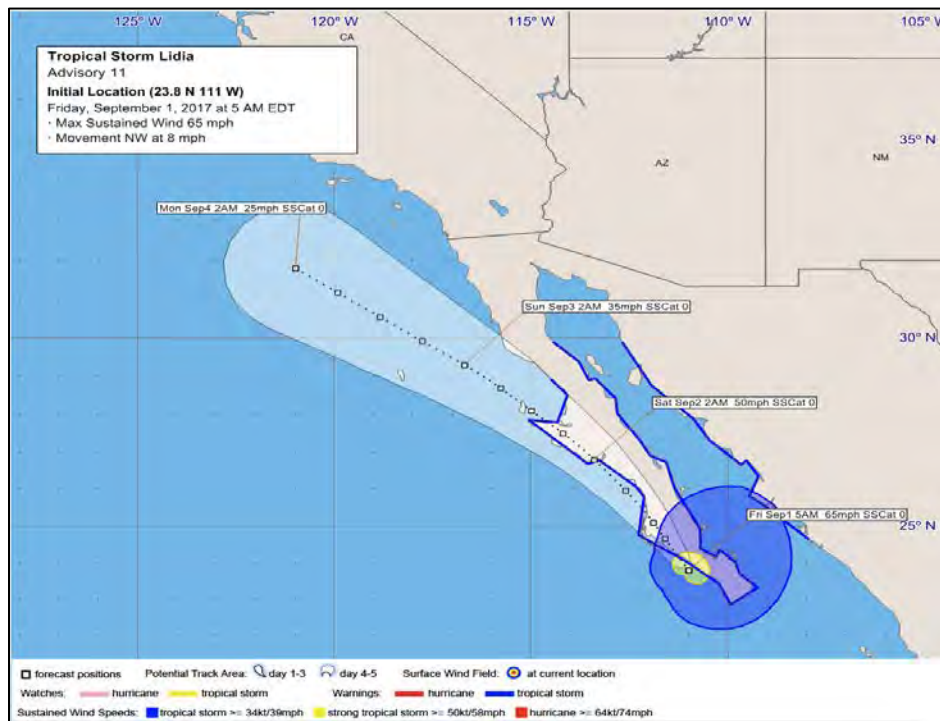


**Area 1:** A tropical wave located over the far eastern Atlantic Ocean just off the west coast of Africa is producing disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for development, and this system could become a tropical depression early next week while it moves westward at 15 mph over the tropical Atlantic. Formation chance through 48 hours is low, near 0 percent.

**Tropical Depression Harvey:** Is summarized at the beginning of this report.

**Tropical Storm Irma:** Is summarized at the beginning of this report.

## Eastern Pacific Ocean



*Hurrevac Image*

**Tropical Storm Lidia:** At 5:00 a.m. EDT, Lidia is located just off shore of the southwestern coast of Baja California Sur, causing heavy rains. Maximum sustained winds have increased to near 45 mph with higher gusts. A hurricane Watch is in effect for Baja California Sur from Puerto Cortes to east of La Paz. Maximum sustained winds are near 65 mph (100 km/h) with higher gusts. The forecast indicates weakening during the next couple of days while Lidia interacts with the mountainous terrain of the Baja California peninsula. Lidia is expected to become a remnant low by Saturday night.

A Tropical Storm Warning is in effect for Baja California peninsula from San Jose de Las Palomas to Isla San Luis and mainland Mexico from Altata to Puerto Libertad. A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area within 36 hours.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Tuesday, September 5, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 5  
Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 2 (Severe Operations)**

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 5, 2017:**

There are currently a total of 208 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #4 8/28/2017 4332DR- TX-USFS- 04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics	Subtasked under ESF-4 \$ 3m	6 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX

		facility.			
ESF #5 8/25/2017 TX- 17082301- DOI-01 (original) and 4332DR- TX-DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017 4332DR- TX-USGS- 01	United States Geological Survey (USGS)	To provide advance support, real- time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	19 personnel (8 from Texas, 4 from Florida, 3 from Arizona, 2 from Oklahoma, and 2 from New Mexico) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX
ESF #5 3382EM- LA-USGS- 01	United States Geological Survey (USGS)	Provide advance support, real- time field measurements, and daily reporting of water heights in direct support of federal	\$200,000	Work to begin 9/5	southwest Louisiana

		response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana			
ESF #6	Department of the Interior	Inspectors for supporting ESF 6 Field Inspection Services	MA Under Development	Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	Developing Roster of Volunteers
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX

ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF #13 8/28/2017 4332DR- TX-USDJ- 01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel)  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge  QRT 4 25 –USFWS OLE  QRT 5 12 – USFWS Refuge 7 – NPS 4 – BLM 2 – OLES  QRT 6 25 – USFWS OLE	QRT 1 has concluded ESF-9 support in the Galveston area and is in transit from Galveston to base camp in Houston. QRT 2 is awaiting assignment at base camp in Houston. They are being deputized by the state of Texas in anticipation of a direct Federal assistance (DFA) assignment to support state/local community policing. QRTs 3-6 NRG Stadium - Houston, TX completing check-in procedures at base camp 9/4/17
ESF #15 09/03/2017 4332DR- TX_DOI- 09	Office of Communications	Provide PA SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	Currently working with OCO to identify Public Affairs SME to support	Austin, TX

RSF Natural Cultural Resources 4332DR- TX_DOI- 08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	0 - OEPC working to RSF coordinator to mobilize a rehired annuitant field coordinator to deploy to the Texas JFO the week of 9/11.	Austin, TX POC Kim Harriz
---------------------------------------------------------------------	------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------	----------	------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------

**General Situation:**

*Source: DHS/NOC Federal Emergency Management Agency – September 5, 2017*

FEMA reports response and recovery efforts continue throughout the Gulf Coast of Texas and Louisiana. Dry weather this weekend is allowing rivers and bayous in the Houston metro area to fall below major flood stage. Media sources report 60 fatalities with more possible as the water continues to recede.

Federal Emergency Management Agency (FEMA) modeling indicates that over 135,000 homes out of the 2,700,000 homes in the area have been affected by Harvey. Over 22,000 homes may have received significant damage. As of September 5, there were 290 shelters open in Texas with 33,000 occupants, and there was six shelters open in Louisiana with 1,000 occupants. Twelve hospitals remain closed, as well as several roads throughout the impacted areas. As of this morning, there were 55,000 customers without power in Texas and 1,400 customers without power in Louisiana.

The FEMA National Response Coordination Center and FEMA Region VI Regional Response Coordination Center remain activated at Level I (24/7 Operations). Four Type I Urban Search & Rescue (US&R) Teams, five Type III US&R Teams, nine Swift Water Teams and three Hazardous Material Push Packages have demobilized. Two Incident Support Bases are open in Seguin and San Antonio, Texas. The Texas SEOC remains at full activation, while the LA SEOC remains at Level III (24 hours).

**DOI Emergency Support Function (ESF) Support:**

**ESF #4 (Firefighting):**

- ESF #4 – National Park Service (NPS): Three NPS personnel continue to support deployment.

**ESF #5 (Information and Planning):**

- ESF #5 –NPS: There is one NPS representative at the Federal Emergency Management Agency (FEMA) National Response Coordination Center (NRCC) supporting the DOI Senior Interagency Liaison Cadre (SILC).

**ESF #6 (Mass Care, Emergency Assistance, Housing, and Human Services):**

- ESF #6 – Federal Emergency Management Agency (FEMA) has cancelled the request for DOI to provide 200 personnel to conduct housing inspections (ESF #6 Mission Assignment) in Texas. FEMA advises that the request for assistance is not viable at this time.

**ESF #8 (Public Health and Medical Services):**

- ESF #8 NPS: Three Public Health Service officers are mobilized under ESF #8 from the U.S. Department of Health and Human Services.

**ESF #9 (Search and Rescue):**

The NRCC Resource Section reported that all SAR teams are going to standby mode for rest and resupply. This includes the DOI SARs. The timing of each team’s stand down will be set by the FEMA regional office.

- ESF #9 NPS: Boat Teams - FEMA has released all DOI assets for this Mission Assignment.
- ESF #9 NPS: The Federal Search and Rescue Coordination Group (FSARCG) remains operational and has reduced to one NPS employee in College Station, Texas. The FSARCG will relocate to Herndon, Virginia, starting on September 5-6.

**ESF #13 (Public Safety and Security):**

- ESF# 13 – NPS: The NPS has 12 staff from the Southeast Region SET team currently working near Houston on QRT1. An additional team of seven employees from USPP and NPS deployed with QRT 5 to support public safety and security. An additional cadre (QRT 7) is on standby for Hurricane Irma Response.

**DOI Bureau and Office Reporting:**

**Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 4, 2017

Numerous Tribes continue to look for opportunities to assist their Tribal members who were in the Harvey impact zone. The Tunica Biloxi Tribe plans a rescue mission this week to travel to the impacted area, provide transportation back to the Tribe, and house survivors in their Tribal shelter that was put together with assistance from the State of Louisiana, the Indian Health Service, and the Bureau of Indian Affairs.

**National Park Service**

Source: National Park Service (NPS) – September 4, 2017

Currently the NPS has 41 staff deployed supporting operations for Hurricane Harvey response and recovery. This number does not include local assets working in home park units.



Park unit updates:

- Big Thicket - Big Thicket National Preserve will reopen today; however, not all facilities will be open at this time. Park staff will continue to monitor flooded areas in the park and reopen sections as water recedes and areas are deemed safe. The park will be holding an all-employee meeting on September 5 to update staff on current conditions and outline future plans. A Critical Incident Stress Management (CISM) team is in the park and will meet with any staff and family members who request their services. Staff worked with park PIO to update park social media. The park's PIO put out an updated press release to the park's media list. The hazard tree that was threatening a park neighbor's house was removed by a contractor yesterday. Big Thicket's Type-3 team will turn the incident back over to the park on September 6. The IMT will reposition to San Antonio.

**Office of the Chief Information Officer**

*Source: Office of the Chief Information Officer (OCIO) – September 5, 2017*

There are no changes to the status of reporting for Harvey emergency response.

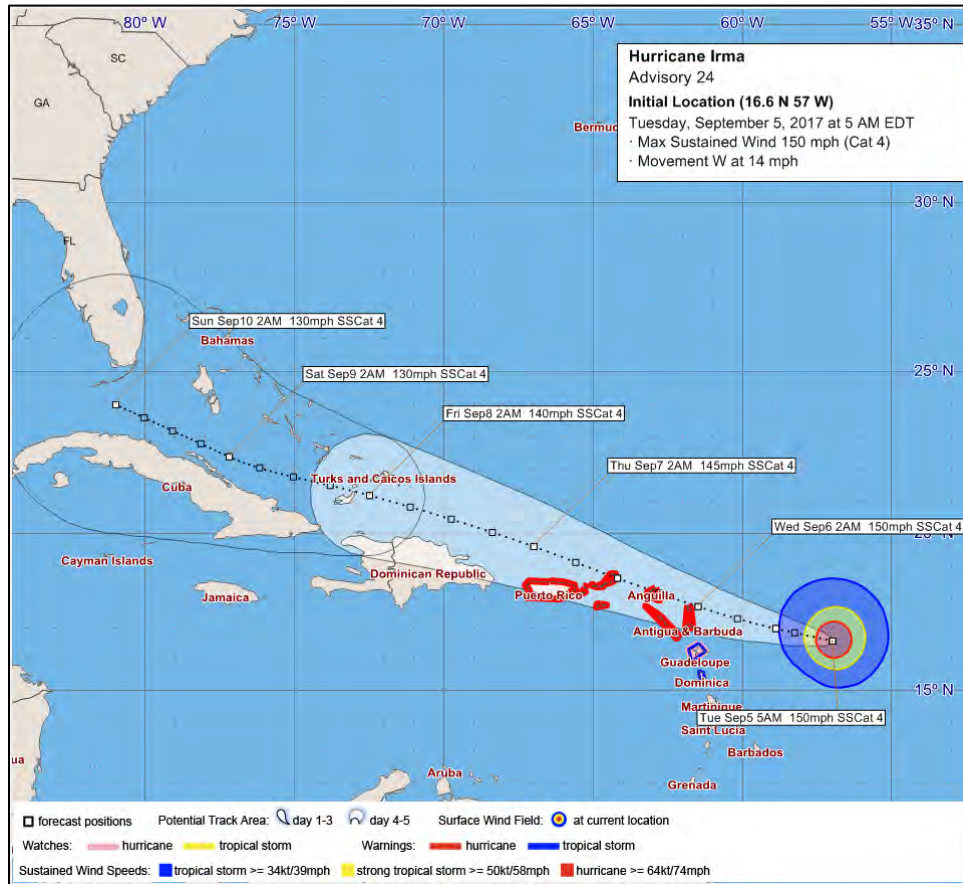
**Hurricane Irma - Atlantic Ocean**

**DOI Mission Assignments (MAs) as of September 5, 2017:**

There are currently a total of 6 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6	Puerto Rico

## General Situation:



HURREVAC Image

*Source: National Weather Service/National Hurricane Center, Department of Homeland Security – September 5, 2017*

As of 5:00 a.m. EDT, Hurricane Irma was located about 320 miles to the east of the Leeward Islands and moving to the west at 14 miles per hour (mph). This general motion is expected to continue today, followed by a turn toward the west-northwest tonight. On the forecast track, the core of Irma will move near or over portions of the northern Leeward Islands tonight and early Wednesday. Maximum sustained winds have increased to 150 mph with higher gusts. Hurricane-force winds extend outward up to 45 miles, and tropical storm-force winds extend outward up to 140 miles. Irma is a Category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. A NOAA Hurricane Hunter plane is scheduled to be in the eye of Irma this morning.

A Hurricane Warning is in effect for Antigua, Barbuda, Anguilla, Montserrat, St. Kitts, and Nevis, Saba, St. Eustatius, Sint Maarten, Saint Martin, Saint Barthelemy, the British Virgin Islands, the U.S. Virgin Islands, Puerto Rico, Vieques, and Culebra. A Hurricane Watch is in effect for Guadeloupe. A Tropical Storm Warning is in effect for Guadeloupe and Dominica.

Irma is expected to produce total rainfall accumulations of 4 to 8 inches with isolated maximum amounts of 12 inches across the northern Leeward Islands, the British and U.S. Virgin Islands,

and Puerto Rico. These rainfall amounts may cause life-threatening flash floods and mudslides. The combination of a dangerous storm surge and large breaking waves will raise water levels by as much as 6 to 9 feet above normal tide levels along the coasts of the extreme northern Leeward Islands within the hurricane warning area near and to the north of the center of Irma. Near the coast, the surge will be accompanied by large and destructive waves. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide; British and U.S. Virgin Islands except St. Croix 4 to 6 feet, northern coast of Puerto Rico 2 to 4 feet, and the southern coast of Puerto Rico and St. Croix 1 to 2 feet.

### **DOI Bureau and Office Reporting:**

#### **National Park Service Hurricane Irma Update**

*Source: National Park Service (NPS) – September 4, 2017*

Parks in the USVI started closing facilities on September 1, and all employees are accounted for. An employee accountability system is set up for after the storm. NPS reports no unmet needs at this time. Administrative leave is scheduled to begin September 5. There is a full hurricane cache available; NPS is in the process of pulling all the boats and report that generators are available. USVI is ready to receive personnel from San Juan National Historic Site (SAJU).

In San Juan, Puerto Rico the NPS is working to source an Operations Section Chief and a Safety Manager to support this event. NPS anticipates sending a crew of 11 to the Virgin Islands to pre-stage right before the storm in order to help clear roads. This crew can self-sustain for 7 days. Also, a team of 5 to St. Croix is possible. NPS is open and all employees are accounted for. Structures are secured, and NPS has the ability to run on their own generator and cistern. Bunkers are available, if needed; however, staff are concerned about local communities that may request shelter, SAJU staff will reach out as necessary. Employee safety is the number one priority.

#### **Office of Insular Affairs**

*Source: Office of Insular Affairs (OIA) – September 5, 2017*

OIA received from U.S. Virgin Islands (USVI) Office of the Governor that the Governor has informed the public to take precautionary measures, as Hurricane Irma is expected to hit the USVI as a Category 4 hurricane. All residents and visitors were advised to stay away from the beaches, and hotels were asked to advise guests to stay indoors during the weather system. More than 5,000 visitors are scheduled to remain in the USVI over the next few days. The Governor's Declaration of Emergency and stand up of National Guard are to be effective today, September 5, at 12:01am. Schools are closed until further notice. Shelters will be opened.

## **Office of the Chief Information Officer**

*Source: Office of the Chief Information Officer (OCIO) – September 5, 2017*

OCIO received a request from the NPS to be ready to deploy telecommunications equipment and expertise in case Hurricane Irma makes landfall in the United States; the ESN is able and ready to fulfill this request.

## **National Response Coordination Center (NRCC) DOI Liaison**

*Source: (NRCC) DOI Liaison – September 4, 2017*

There is a conference call scheduled this morning between the FEMA Administrator and the governors of Florida, USVI, and Puerto Rico.

## ***Other Government Reports***

*Source: DHS NOC and FEMA - September 5, 2017*

The Puerto Rico (PR) Emergency Operations Center and U.S. Virgin Islands (USVI) Territorial Emergency Management Agency are at “Monitoring” for Hurricane Irma. The Governors of both territories have activated their National Guards. All ports in PR and USVI will be at Port Condition YANKEE (closed to inbound traffic and limited movement within the port) by approximately 8:00 a.m. EDT, September 5.

The FEMA National Response Coordination Center remains at Level I (24/7 operations, Full ESFs) in response to Hurricanes HARVEY and IRMA. The FEMA Region II Regional Response Coordination Center (RRCC) will transition to Full Activation at 8:00 a.m. EDT September 5. Regions II and X have deployed Incident Management Assistance Teams (IMAT) to the USVI and PR. Region IV IMATs I and II are on standby. FEMA Urban Search and Rescue (US&R) has deployed the Red Incident Support Team (IST) and a Type III US&R. An advance team and the Type III team will report to Puerto Rico and the remainder of the IST will stage in Herndon, VA. Two Incident Support Bases were established on PR.

## ***Wildland Fire Activity***

*Source: Fire and Aviation Management Website - September 5, 2017*

The **Tidwell Fire** and **1026 Fire** (Montana), and the **Coal Fire** (Nevada), reached full containment; therefore, the fires will no longer be summarized in this report.

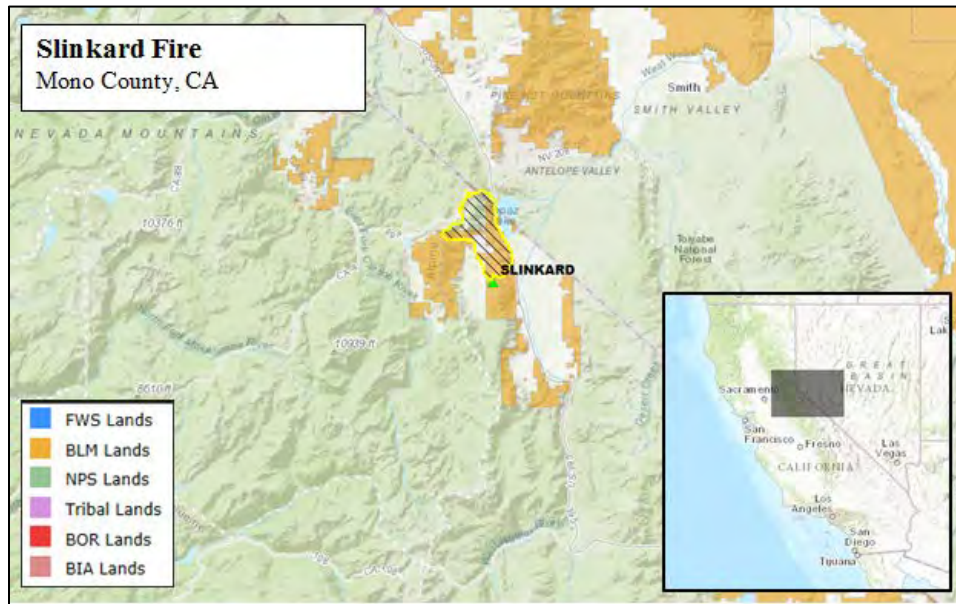
## **California**

### **Slinkard Fire (Initial)**

- Start Date: August 29
- Location: Mono County, CA (BLM)
- Burned Acres: 9,093
- Containment: 60-percent
- Management: Type-2 IMT

- Personnel Assigned / DOI: 322 / 7
- Structures Threatened-Single-Mixed Residential / Commercial: 300 / 10
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: September 8

Comments: Minimal fire activity was observed during this reporting period, and some additional perimeter spread is possible over the next few days. In addition to the residences, powerline infrastructure, sage grouse habitat, mule deer winter habitat, Lahontan Cutthroat habitat, and Highway 395 are threatened.



IGEMS Image

## Montana

### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 13,053
- Containment: 35-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 145 / 67
- Structures Threatened-Single-Mixed Residential / Commercial: 79 / 3
- Evacuations / Shelter in place: 0 / 4
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: November 1

Comments: Fire behavior was described as extreme during this reporting period with crowning, long-range spotting, and group torching. The Sperry Chalet was lost on August 31, 2017. Economic impacts are expected due to multiple trail and area closures in addition to the Evacuation Order along the Going-To-The-Sun Road corridor, which includes residences, Xanterra concessionaire, Sperry Chalet concessionaire, bus and tour concessionaires, Swan Mountain Outfitters, and Glacier Park Incorporated. Moderate fire behavior is expected over the next 24 hours. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy. Information regarding the NPS fire strategy can be found at the [NPS Wildland Fire Program FAQ Website](#).



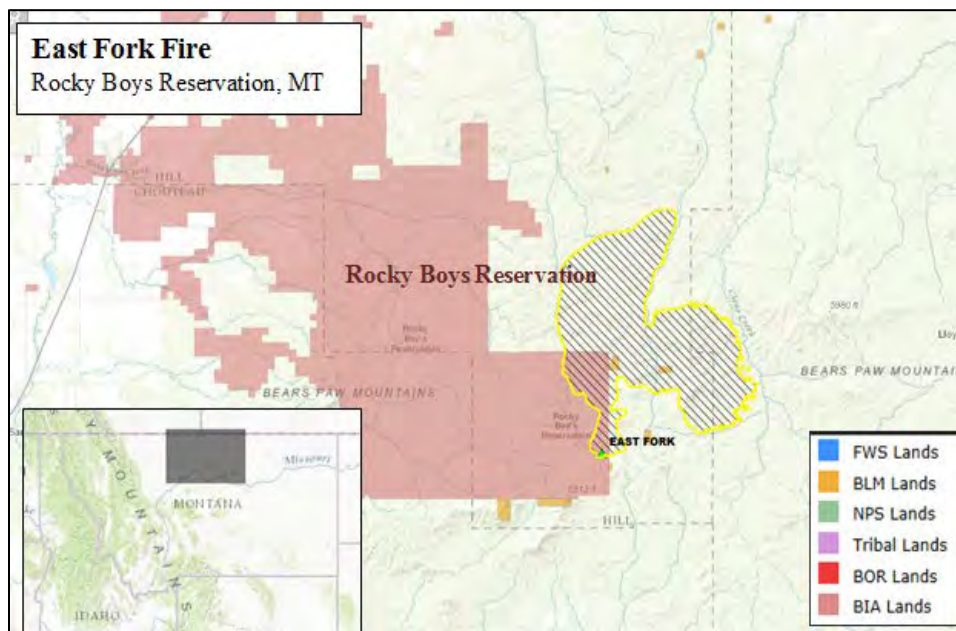
IGEMS Image

### East Fork Fire

- Start Date: August 27
- Location: Rocky Boys Reservation, MT (BIA)
- Burned Acres: 21,518 (+1,518)
- Containment: 70-percent (+70)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 247 (+147) / 59 (+28)
- Structures Threatened-Single-Mixed Residential / Commercial: 50 (no change)/ 0 (no change)
- Evacuations / Shelter in place: 120 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 17

Comments: Fire behavior was described as minimal during this reporting period, with smoldering and creeping. Evacuation remains in effect, and additional perimeter spread is

possible over the next several days. Socioeconomic concerns include high value timber, livestock grazing areas, ranch land, and major power lines. Additional resource needs have been identified.



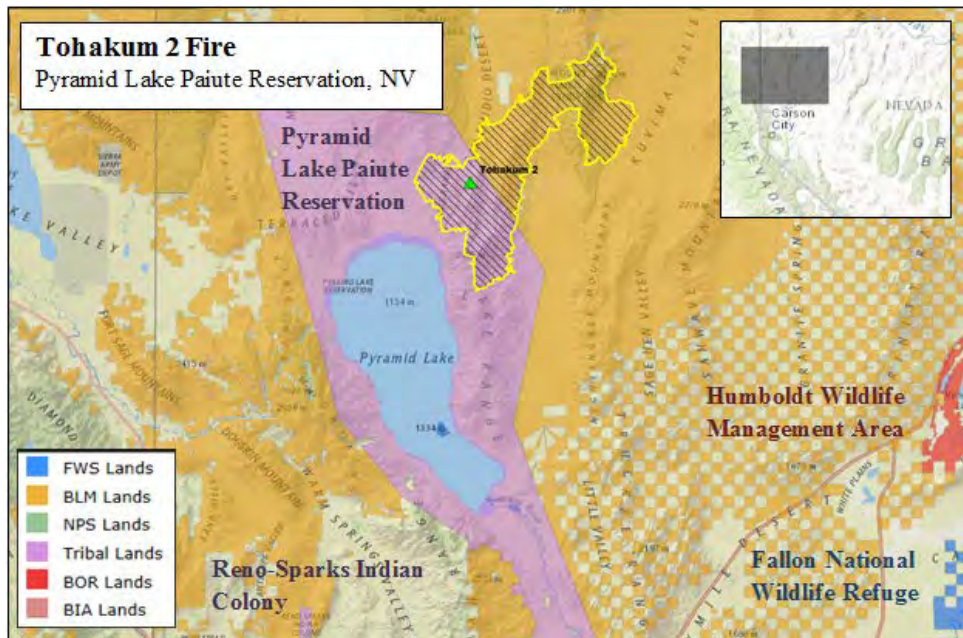
IGEMS Image

## Nevada

### Tohakum 2

- Start Date: August 29
- Location: Washoe, NV (BIA)
- Burned Acres: 94,221
- Containment: 82-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 422 / 99
- Structures Threatened-Single-Mixed Residential / Commercial: 8 / 1
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: September 9

Comments: Fire behavior is described as moderate, with isolated torching, uphill runs, and flanking observed. There was little to no growth over the last reporting period, and the primary fuels are short grass, brush, and closed timber litter. Approximately 41,835 acres of Sage Grouse Habitat have been consumed and fire continues to threaten the south through the identified habitat areas. The fire has threatened 8 ranches, a geothermal plant, high-voltage transmission lines, and the “Burning Man” event traffic on highway 447, as well as communication towers, one critical to law enforcement assigned to the “Burning Man” event.



IGEMS Image

## Washington

### Bridge Creek Fire

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,709 (+118)
- Containment: 78-percent (+20)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 286 (-190) / 32 (+6)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (+1) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as active during this reporting period with backing, isolated torching, and creeping. Bridge Creek Road remains affected by the fire, impeding a main transportation route to local residents, fire equipment, and visitors. The fire is expected to stay within the containment lines.





IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
R-4	Washoe, CA	BLM	3	18,618	75%	September 18
Bell Mountain	Butte, ID	BLM	4	1,340	80%	September 4
Sartin Draw	Powder River, MT	BLM	3	99,735	95%	September 5
Brush Flat	Big Horn, MT	BLM	4	73,797	80%	September 9
Painted Hill	Big Horn, MT	BIA	3	2,496	90%	September 5
Cold Smoke	Valley, MT	FWS	4	1,261	90%	September 5
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 10
Tungsten	Churchill, NV	BLM	3	8,700	40%	September 10

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 5, 2017

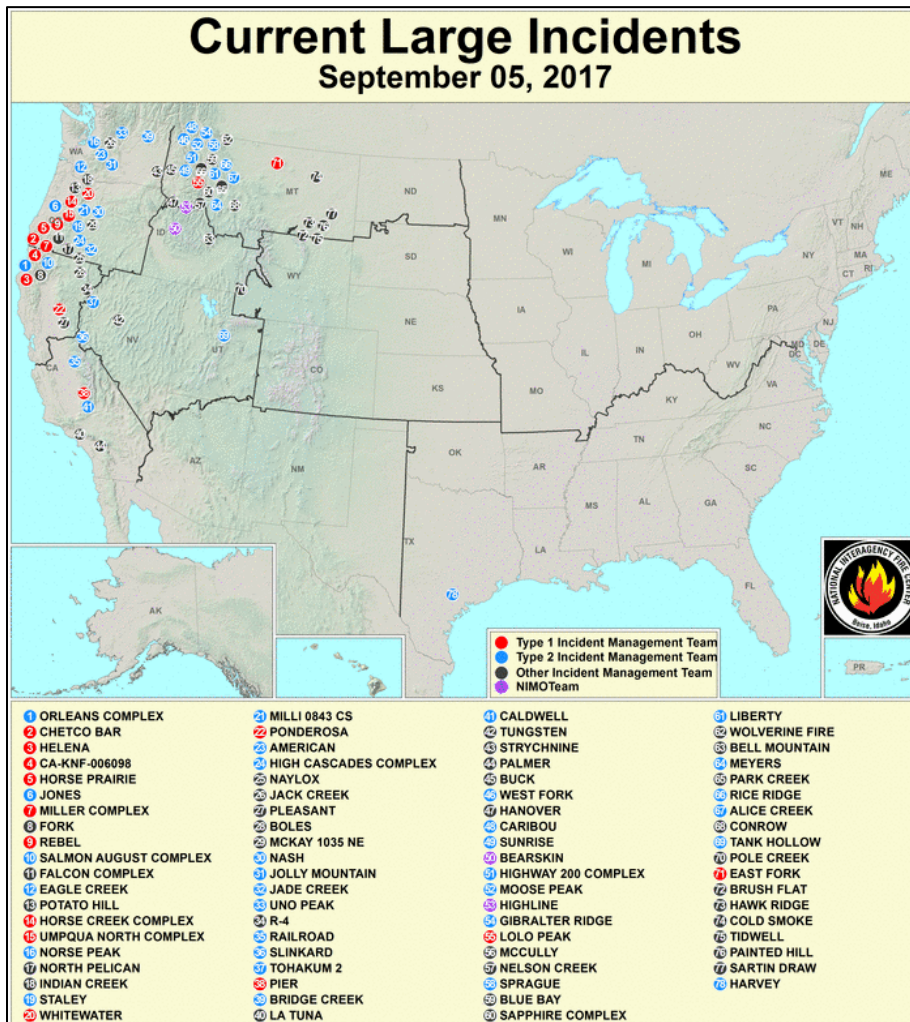
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (109 new fires)
New large fires:	8
Large fires contained:	2
Uncontained large fires: **	57
Area Command Teams committed:	2
NIMOs committed:	2
Type 1 IMTs committed:	14
Type 2 IMTs committed:	26

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. The lava lake surface is approximately 80 feet below the floor of Halema‘uma‘u. Low rates of ground deformation and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey - September 3, 2017*

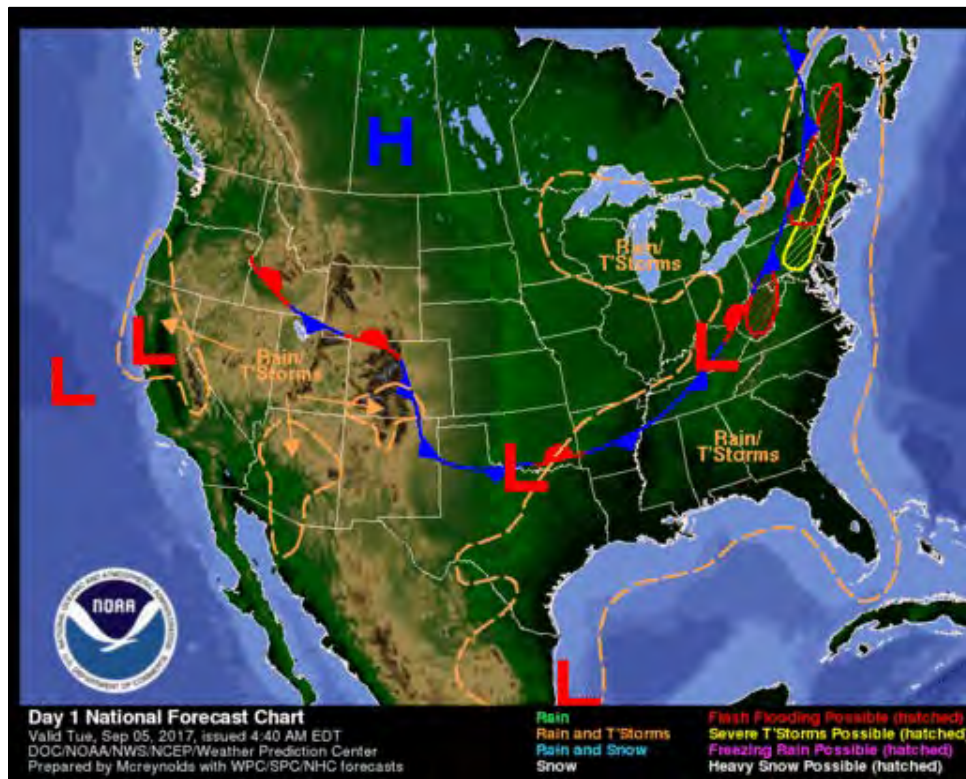
The United States Geological Survey (USGS) reported that a magnitude 4.5 earthquake occurred on September 3 at 1:41 p.m. EDT, approximately 5 miles to the east-northeast of Rose, Idaho at the depth of 4.3 miles. The USGS issued a Green PAGER alert for shaking-related fatalities and

economic losses. There is a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

The United States Geological Survey (USGS) is reporting that a magnitude 5.3 earthquake occurred on September 2 at 7:56 p.m. EDT, approximately 12 miles to the north-northeast of Georgetown, Idaho at the depth of 6.2 miles. The USGS issued a Green PAGER alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

### ***Significant National Weather***

*Source: National Weather Service - September 5, 2017*



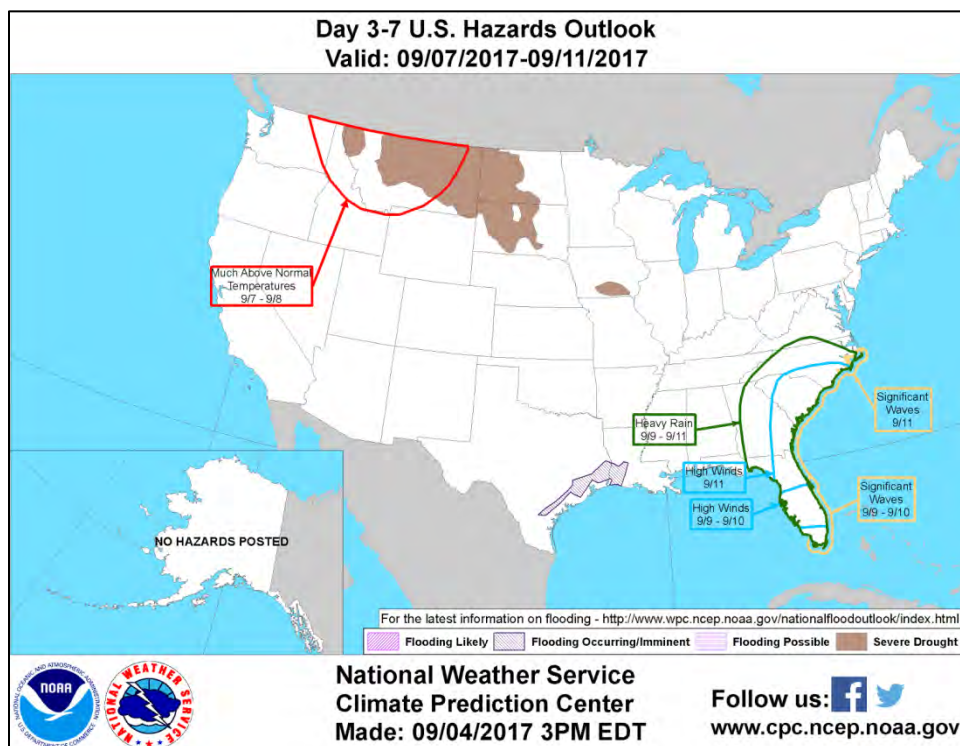
### **Today**

Cold front progressing across eastern US will trigger severe storms over Northeast. Strong showers and thunderstorms will exist across deep South, Southeast, and Great Lakes. Flash flooding remains a possibility thru the central and northern Appalachians. High pressure behind the cold front will bring cooler temps and lower humidity to East by Wednesday. Heat continues in Washington and Oregon with elevated fire dangers and poor air quality. Heat advisories exist for portions of western Oregon and Washington; some highs near 95F. Red flag warnings will continue for western Oregon, Washington, and southern Idaho. Poor air quality from smoke of existing fires will affect most of far west.

## Tomorrow

The frontal system will stall along the Atlantic coastline as Hurricane Irma makes its way across the Virgin Islands and Puerto Rico towards the Bahamas. Rain and thunderstorms are expected across the Great Lakes, Northeast, mid-Atlantic region and stretching thru the Southeast and Gulf Coast back to Texas. Slow moving storms along front could cause flash flooding across portions of North Carolina and Virginia. Afternoon and evening showers and thunderstorms will develop across the Desert Southwest, portions of the Four Corners and extending northwestward into Oregon and western Washington State. Elsewhere, high pressure will bring fall like conditions across much of the Plains and the upper Midwest.

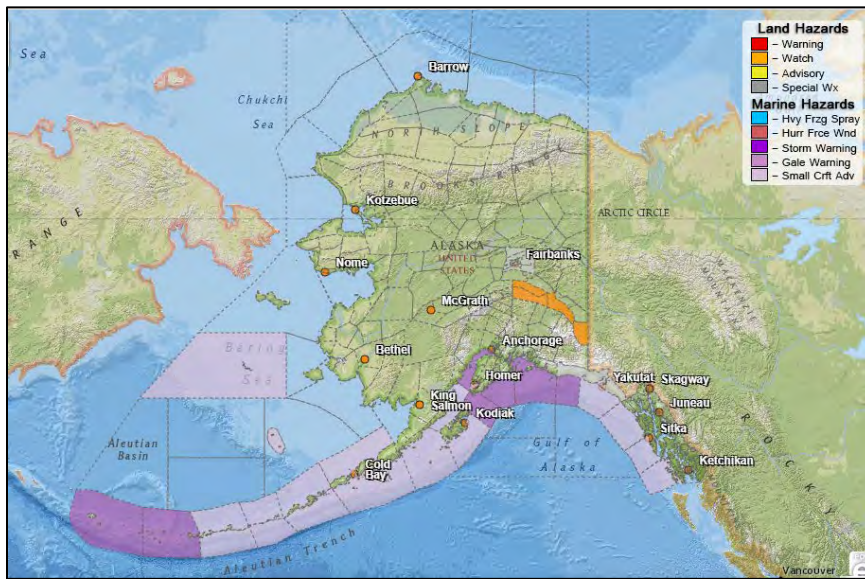
## Weather Hazard Assessment



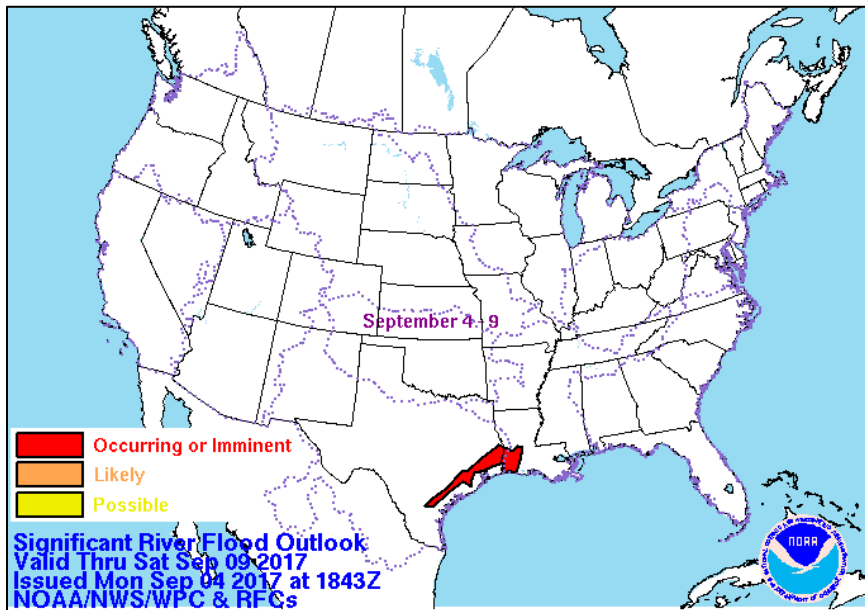
- September 7-8: Much above-normal temperatures across portions of the northern Plains, the northern Rockies, and the northern Great Basin.
- September 9-10: High significant wave heights for coastal portions of Florida and Georgia.
- September 9-10: High winds across portions of the Southeast.
- September 9-11: Heavy rain across portions of the Southeast, the southern Appalachians, and the Carolinas.
- September 11: High winds across portions of the Southeast and the Carolinas.
- September 11: High significant wave heights from Cape Canaveral through the Outer Banks.
- September 12: Heavy rain across portions of the Carolinas, the mid-Atlantic, and the central Appalachians.

## Alaska Weather

A Small Craft Advisory is in effect in the St. Matthew Island waters, Pribilof Islands, throughout the central Aleutian Islands; from Adak to Shuyak Island, the Shelikof Strait, and the Gulf of Alaska, from Icy Cape to Dixon Entrance. There is a Gale Warning from Attu to Adak in the far Aleutian Islands, Cook Inlet, and the Gulf of Alaska from the Barren Islands East to Icy Cape. There is a High Wind Watch in the Alaskan interior, across Donnelly, Isabel Pass, Mentasta Pass, and Chisana.

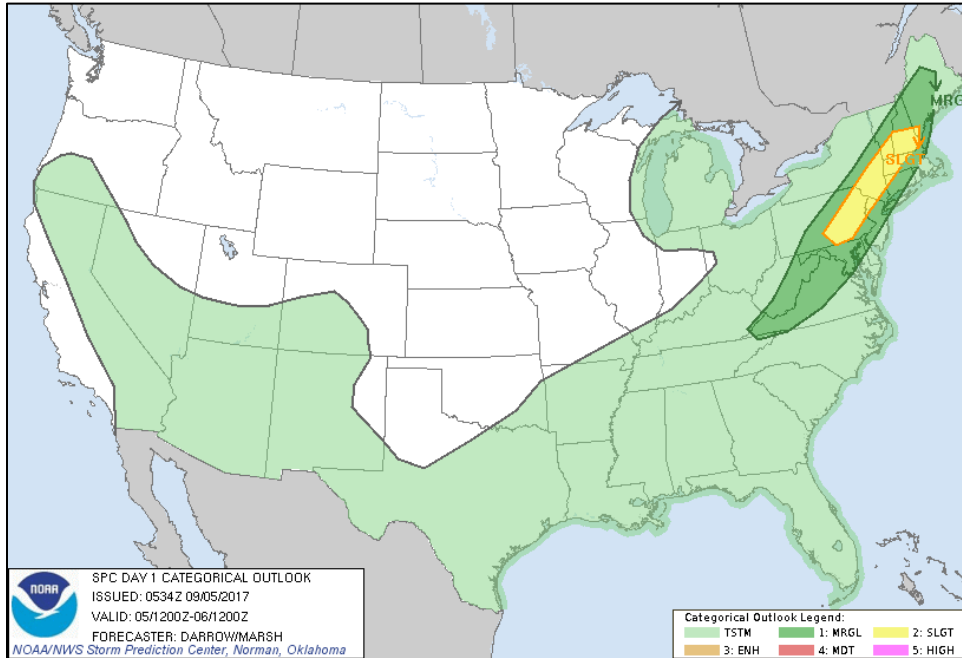


## Significant River Flooding



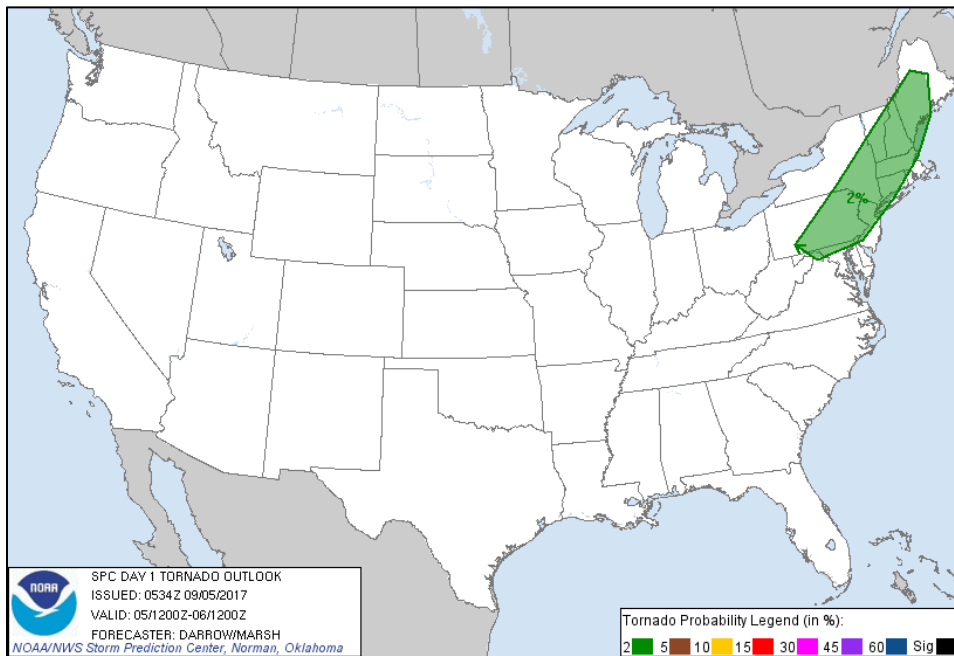
Flooding occurring or imminent for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and southeastern Louisiana.

## Severe Weather



There is a Slight Risk of severe thunderstorms over the northern mid-Atlantic to southern New England. There is a Marginal Risk of severe thunderstorms from Maine to western Virginia.

## Tornado Weather



There is a 2-percent chance of tornado activity over the mid-Atlantic from northern Maryland northward into Maine.

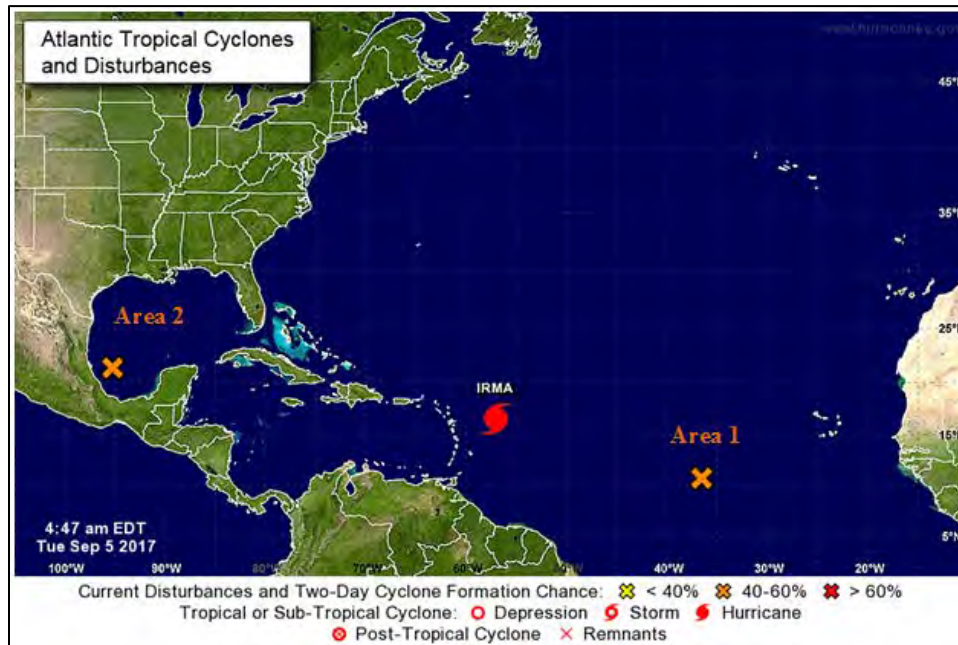
## Fire Weather

There is no Critical Fire Weather forecast for today.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 5, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Tropical Storm Irma:** Is summarized at the beginning of this report.

**Area 1:** Showers and thunderstorms associated with a broad area of low pressure located about 1,000 miles west-southwest of the Cabo Verde Islands are gradually becoming better organized. Satellite data indicate that this system is already producing winds near tropical storm force. There is a strong likelihood that a tropical depression or tropical storm will form within the next few days while the disturbance moves west-northwestward at 10 to 15 mph over the tropical Atlantic Ocean. Formation chance through 48 hours is medium at 60 percent.

**Area 2:** A trough of low pressure located over the southwestern Gulf of Mexico is producing disorganized shower activity and a few squalls. Environmental conditions are marginally conducive for development, and this system could become a tropical depression during the next couple of days while it meanders over the southwestern Gulf of Mexico. Regardless of development, heavy rains associated with this disturbance are likely over portions of eastern Mexico during the remainder of the week. Formation chance through 48 hours is medium at 60 percent.



## **Eastern Pacific Ocean**

There is no tropical cyclone formation expected over the next 48 hours.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, September 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

**Hurricane Irma - Atlantic Ocean**

**DOI Mission Assignments (MAs) as of September 6, 2017:**

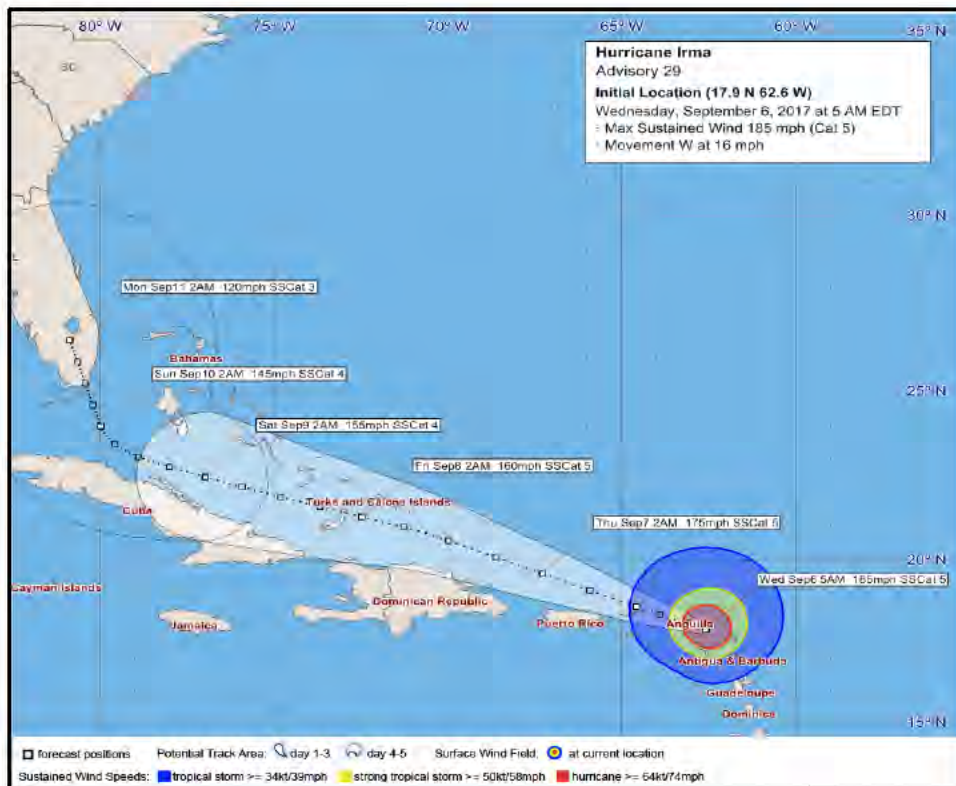
There are currently a total of 6 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6	Puerto Rico
ESF #13	Office of Law Enforcement and Security (OLES)	Provide Law Enforcement Support for ESF #8 and ESF #9	On standby if needed	30 Personnel Total on Standby QRT-7 14 - NPS (IMT)	Currently no estimated timeline for deployment for our team.

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**General Situation:**

Source: *National Weather Service/National Hurricane Center, Department of Homeland Security – September 6, 2017*



HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Irma was located about 35 miles to the east-southeast of St. Martin and moving to the west-northwest at 16 miles per hour (mph). This general motion is expected to continue for the next couple of days. On the forecast track, the extremely dangerous core of Irma will move over portions of the northern Leeward Islands this morning, move near or over portions of the northern Virgin Islands later today, and pass near or just north of Puerto Rico this afternoon or tonight. Maximum sustained winds remain near 185 mph with higher gusts. Irma is a category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days.

A Hurricane Warning is in effect for Antigua, Barbuda, Anguilla, Montserrat, St. Kitts, Nevis, Saba, St. Eustatius, Sint Maarten, Saint Martin, Saint Barthelemy, British Virgin Islands, U.S. Virgin Islands, Puerto Rico, Vieques, Culebra, Dominican Republic from Cabo Engano to the

northern border with Haiti, Guadeloupe, southeastern Bahamas and the Turks and Caicos Islands. A Hurricane Watch is in effect for Haiti from the northern border with the Dominican Republic to Le Mole St. Nicholas, Turks and Caicos Islands, southeastern Bahamas, Cuba from Matanzas province eastward to Guantanamo province, and the Central Bahamas.

### **DOI Bureau and Office Reporting:**

#### **U. S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U. S. Fish and Wildlife Service (USFWS) – September 5, 2017*

The USFWS Southeast (Region 4) has begun to roster a Type 3 Incident Management Team (IMT) for Hurricane Irma. Region 4 may be facing significant challenges due to all-hazards response personnel currently deployed on fire details (i.e equipment operators, saw qualified personnel, Law Enforcement resources). Region 4 may need assistance in support of Hurricane Irma response. According to forecast models, there are approximately 45 USFWS stations threatened.

#### **National Park Service Hurricane Irma Update**

*Source: National Park Service (NPS) – September 5, 2017*

The South Florida/Caribbean Network (SFCN) began implementing their hurricane plan. There is a need for a warehouse or garage to store boats.

Caribbean Islands Parks update:

**Virgin Islands National Park** is closed, all employees are accounted for. Approximately 49 employees are taking care of their homes, with another 30 on St. John. No resources need at this time. Virgin Islands has two houses that are rated for category 5. Those houses will be priority for park residents.

- **St. Croix:** The units on St. Croix are closed and all employees are accounted for. The emergency plan is activated. The park is finalizing shutting down the park September 5 and closing down operations tomorrow, Wednesday, September 6, 2017. Based on the weather forecast and road conditions, our operations and concessionaires will remain closed. The park is monitoring and will reassess Thursday or Friday morning. Law Enforcement will be on duty providing coverage during the normal operation period.
- **Buck Island:** The monument is closed, all employees are accounted for and the emergency plan is activated. All employees are headed off island 12:00 p.m. and park closed down at 12:00 p.m. EDT. All operations at Buck Island have been cancelled. No resources needed at this time.

**San Juan National Historic Site:** The park is closed and all employees are accounted for. The Incident Management Team (IMT) is activated. On September 6, personnel will try to finish all shutdown procedures by 11:00 a.m. AST. A crew of 11 employees, including one supervisor have been identified for response effort at St. John, but will remain in Puerto Rico until after

Irma passes. Operations are to secure the Forts and account for all employees. The park was able to acquire water, food, and supplies in advance of storm and working in acquiring 21 more cases of MREs from the National Guard. Employees were directed to check in at normal duty hours. Will brief out to the region when they are all accounted for. The park is developing a plan to get a support team to St. John quickly after to help set up landing pads and clearing the roads so rescue personnel from the park and the virgin Island residence. The park is planning for a 72 hour self-sufficient plan until more help is available.

South East Region Parks update:

**Big Cypress National Preserve:** All employees area accounted for, no resources are requested at this time. The preserve has activated the weather plan and the Delegation of Authority Authorized to IC. The preserve will close September 6 at 12:00 p.m. EDT. Law Enforcement and emergency response personnel will remain on duty. Stores are out of water and many of the other supplies needed. Additionally, the park is going to order a mandatory evacuation for on-site staff to coincide with county evacuation orders.

**Biscayne National Park:** the IMT is active as of at 9:30 a.m. EDT and is at Operations Level III. The park is staging boats and plans to shut down the park by September 7. No are resources needed.

**Everglades National Park:** The park will likely implement an action plan September 6.

### **Bureau of Indian Affairs**

*Source: Bureau of Indian Affairs (BIA) – September 5, 2017*

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call on September 5, in support of the Tribes impacted by Hurricane Harvey, Hurricane Irma, and the ongoing Wildfires in California. With over 65 participants, the TAC-G received reports from FEMA Region VI, FEMA Region IV, BIA EM, the Tunica-Biloxi Indian Tribe of Louisiana, The Seminole Tribe of Florida, and the Red Cross. The FEMA Tribal Desk transitioned to Response Operations for Hurricane Irma on September 5. The Tribal Desk at the NRCC will be staffed and operational from 8:00 a.m. to 8:00 p.m. EDT. Requests for pre-landfall assistance are beginning to occur.

- **Seminole Tribe of Florida:** The Tribe remains at Level 2- partial activation, pre-landfall preparations are underway. The Tribal Government and Business operations are still open and the Tribal Council is meeting on Thursday to discuss declaration options. The Tribe is also in the process of identifying vulnerable populations.
- **Miccosukee Tribe of Indians:** The Tribe has begun pre-landfall preparations. The Tribal Government and Business operations are still open and the Tribal council will make a decision on declaration options tomorrow. The Tribe is also in the process of identifying vulnerable populations.

## **Other Government Reports**

**Source:** *DHS NOC and FEMA - September 5, 2017*

The FEMA issued Amendment #15 to Operations Order 13-2017. Effective 8:00 p.m. EDT on Tuesday, September 5, 2017, the NRCC transitioned primary incident support, coordination, and reporting responsibilities from Harvey to Hurricane Irma. The NRCC will remain activated to Level I, with the designated NRCS team, all ESFs and all LNOs continuing 24/7 operations, with shift changes occurring at 8:00 a.m. EDT and 8:00 p.m. EDT daily until further notice.

## **Harvey Response and Recovery - Southeastern Texas**

### **DOI Mission Assignments (MAs) as of September 6, 2017:**

There are currently a total of 202 DOI Personnel supporting the response under the FEMA mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF #4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	6 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/25/2017 TX-17082301- DOI-01 (original) and 4332DR-TX- DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	19 personnel (8 from Texas, 4 from Florida, 3 from Arizona, 2 from Oklahoma, and 2 from New Mexico) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX
ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000	2 personnel from Louisiana are in the field today flagging HWMs. 4 additional personnel will be in the field 9/6 to flag and survey additional HWMs	southwest Louisiana
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX
ESF #11 8/25/2017 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ

<p>ESF #13 8/28/2017 4332DR-TX- USDJ-01</p>	<p>Office of Law Enforcement and Security</p>	<p>Provide Law Enforcement Support for ESF-8 and ESF-9</p>	<p>DOI Sub- tasked \$600,000 under total ATF ESF- 13 MA \$5.6m</p>	<p>QRT 1 : DEPLOYED 28 AUGUST 13 - FWS Refuge - EN ROUTE TO HOUSTON FOR REASSIGNMENT OR DEMOB 12- NPS - DEMOBILIZED 4 SEPTEMBER QRT 2 : DEPLOYED 28 AUGUST 10 - BLM 13 - BIA 2 - OLES QRT 3 : DEPLOYED 1 SEPTEMBER 13 - BLM 12 - FWS Refuge QRT 4 : DEPLOYED 1 SEPTEMBER 22 - FWS OLE QRT 5 : DEPLOYED 1 SEPTEMBER 12 - FWS Refuge 7 - NPS 4 - BLM 2 - OLES QRT 6 : DEPLOYED 1 SEPTEMBER 21 - FWS OLE</p>	<p>QRT 1 has ceased operations in Galveston. 12 NPS LEOs were demobilized 4 September and are in travel status en route to their duty station. 13 FWS LEOs are en route from Galveston to Houston for reassignment and/or demobilization. QRTs 2-6 are awaiting assignment at base camp in Houston. Three (3) team members from QRT 4 and four (4) team members from QRT 6 demobilized today and are returning to their duty stations in Florida ahead of Hurricane Irma.</p>
<p>ESF #15 09/03/2017 4332DR- TX_DOI-09</p>	<p>Office of Communications</p>	<p>Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.</p>	<p>\$10,000</p>	<p>Currently working with OCO to identify Public Affairs SME to support</p>	<p>Austin, TX</p>
<p>RSF Natural Cultural Resources 4332DR- TX_DOI-08</p>	<p>Office of Environmental Policy and Compliance (OEPC)</p>	<p>Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies</p>	<p>\$56,910</p>	<p>0 - OEPC working to RSF coordinator to mobilize a rehired annuitant field coordinator to deploy to the Texas JFO the week of 9/11.</p>	<p>OEPC working to identify a rehired annuitant NCR RSF field</p>



					coordinator to deploy to the Texas JFO the week of 9/11
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**General Situation:**

Source: *DHS/NOC Federal Emergency Management Agency – September 6, 2017*

Response and recovery efforts continue throughout the Gulf Coast of Texas and Louisiana. Rivers continue to recede in the region, however major to record levels will persist through late this week or early next week for several areas, including Houston and Beaumont. Media sources report 63 fatalities with more possible as the water continues to recede. Four hospitals in Texas remain evacuated or closed. The current shelter population is 32,202 occupants in 192 Texas shelters and 1,065 occupants in seven Louisiana shelters. Currently, 1,514 drinking water systems are fully operational with boil water notices for 166 systems.

The FEMA National Response Coordination Center (NRCC) has transitioned primary incident support, coordination, and reporting responsibilities from Harvey to Hurricane Irma. FEMA Region VI Regional Response Coordination Center remains activated at Level I (24/7 Operations). All remaining FEMA Urban Search & Rescue resources in Texas have demobilized. The Texas State Emergency Operations Center (SEOC) remains at full activation, while the Louisiana SEOC remains at Level III (24 hours).

**DOI Emergency Support Function (ESF) Support:**

**ESF #4 (Firefighting):**

- ESF #4 – National Park Service (NPS): The NPS is tracking seven staff deployed with ESF #4.

**ESF #5 (Information and Planning):**

- ESF #5 –NPS: There is one NPS representative at the Federal Emergency Management Agency (FEMA) National Response Coordination Center (NRCC) supporting the DOI Senior Interagency Liaison Cadre (SILC).

**ESF #8 (Public Health and Medical Services):**

- ESF #8 NPS: Three Public Health Service officers are mobilized under ESF #8 from the U.S. Department of Health and Human Services.

**ESF #9 (Search and Rescue):**

- ESF #9 NPS: The Federal Search and Rescue Coordination Group (FSARCG) has demobilized for Hurricane Harvey. The FSARCG will reconvene on September 6 in support of Hurricane Irma with one NPS staff.

## **ESF #13 (Public Safety and Security):**

- ESF# 13 – NPS: The 12 personnel from the Southeast Region SETT on QRT 1 were released September 5 and returning to home station. An additional team of seven employees from USPP and NPS deployed with QRT to support public safety and security and remains on site. An additional cadre is on standby for Hurricane Irma Response.

## **DOI Bureau and Office Reporting:**

### **United States Fish and Wildlife Service**

Source: United States Fish and Wildlife Service (FWS) – September 5, 2017

Currently, FWS has 8 stations closed as a result of Harvey. 18 FWS employees cannot occupy their homes and 15 FWS employees will require trailers.

In response to Harvey, the FWS has a Type-3 Incident Management Team (IMT) staged at Balcones Canyonlands NWR has ordered one Law Enforcement Officer (LEO) to supplement Texas Chenier Plain Complex refuges. There are 43 personnel assigned to the incident and 12 pieces of equipment. ArcGis tool now has a progress assessment. Assessments are complete for 274 of 510 assets. The IMT is beginning to demobilize personnel as operations transition from response to recovery.

FWS received confirmation from the United States Coast Guard (USCG) stating the two sunken barges located in the Aransas National Wildlife Refuge were absent of oil or hazmat products. FWS and the USCG will be coordinating salvage efforts to remove the vessels.

### **Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 5, 2017

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group (TAC-G) National Conference call today, in support of the Tribes impacted by Hurricane Harvey, Hurricane Irma, and the ongoing Wildfires in California. With over 65 participants, the TAC-G received reports from FEMA Region VI, FEMA Region IV, BIA EM, the Tunica-Biloxi Indian Tribe of Louisiana, The Seminole Tribe of Florida, and the Red Cross.

The Alabama Coushatta Tribe of Texas was included in the amended Presidential Disaster Declaration. The Tribe is assessing damages to individual homes.

Tunica Biloxi Tribe reports the BIA generator is in the process of being connected and put in service. A Tunica Biloxi team is headed to Houston region on a relief mission.

### **National Park Service**

Source: National Park Service (NPS) – September 5, 2017

The NPS has 32 staff deployed supporting operations for Hurricane Harvey response and recovery as of September 5. This number does not include local assets working at home park.

## Wildland Fire Activity

Source: Fire and Aviation Management Website - September 6, 2017

The **Slinkard Fire** (California) has transitioned to another agency and will no longer be reported. The **R-4 Fire** (California), **Sartin Draw Fire**, **Cold Smoke**, and **Brush Flat Fire** (Montana) have reached 100-percent containment, therefore, will no longer be summarized. The **Bell Mountain Fire** (Idaho) was not updated and will not be summarized in this report.

### Montana

#### **Sprague Fire**



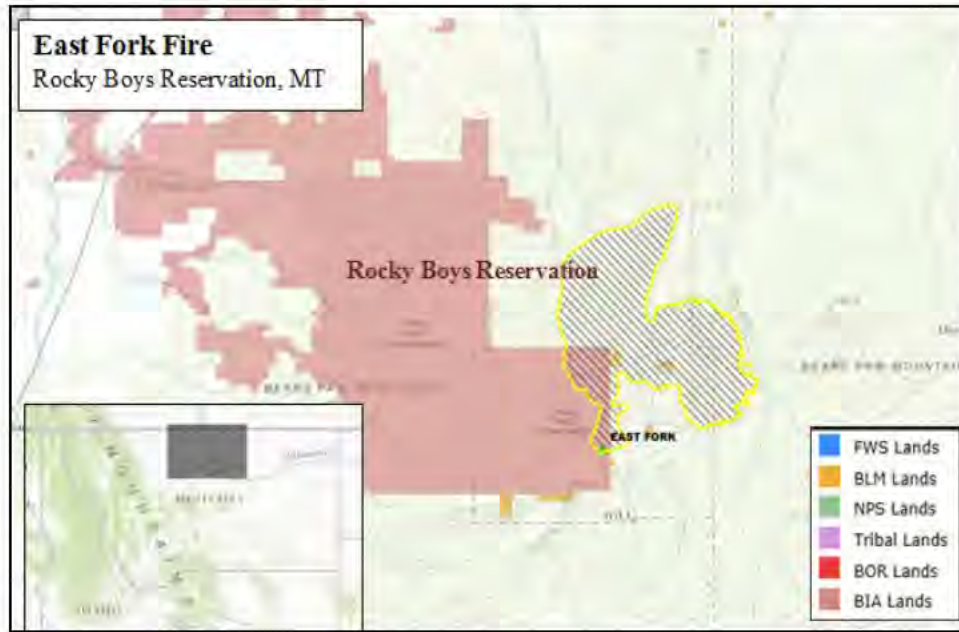
*IGEMS Image*

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 13,343 (+290)
- Containment: 35-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 155 (+10) / 67 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 196 (+117) / 3 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (-4)
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: November 1

Comments: Fire behavior was described as active during this reporting period with crowning, spotting, and flanking. Portions of Glacier Park remain closed to visitors. An evacuation order remains in effect for the Lake McDonald area. Main weather concern for the next few days is

smoke. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confine (20%) strategy.

### East Fork Fire

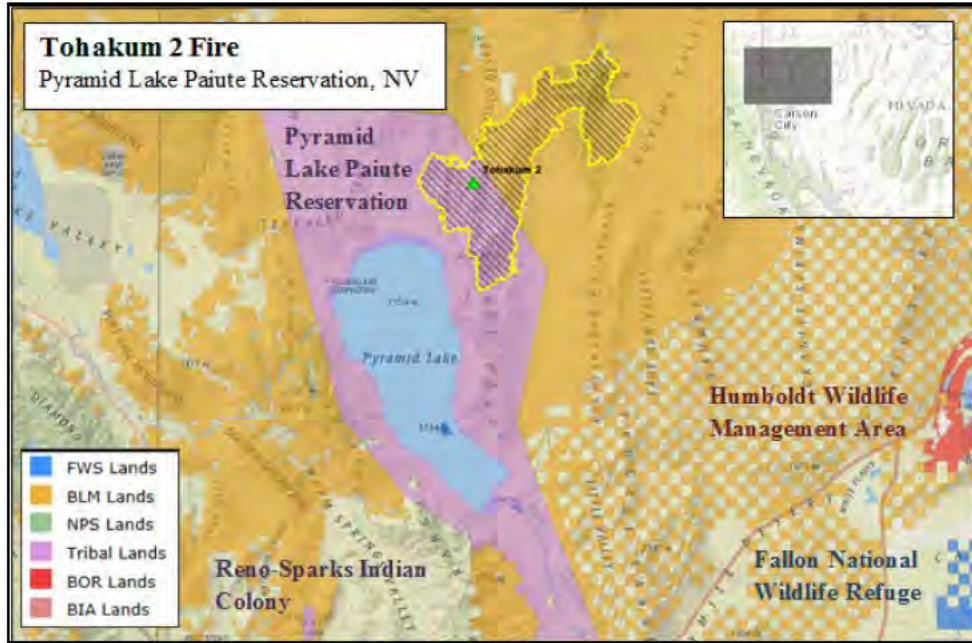


IGEMS Image

- Start Date: August 27
- Location: Rocky Boys Reservation, MT (BIA)
- Burned Acres: 21,518 (no change)
- Containment: 85-percent (+15)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 309 (+62) / 78 (+19)
- Structures Threatened-Single-Mixed Residential / Commercial: 50 (no change) / 0 (no change)
- Evacuations / Shelter in place: 120 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 17

Comments: Fire behavior was described as minimal during this reporting period, with smoldering and creeping. Evacuation remains in effect, and additional perimeter spread is not expected. Socioeconomic concerns include high value timber, livestock grazing areas, ranch land, and major power lines. Over the next operational period, crews will continue line construction where needed, secure existing lines, mop up and maintain holding operations.

## Nevada



IGEMS Image

### **Tohakum 2**

- Start Date: August 29
- Location: Washoe, NV (BIA)
- Burned Acres: 94,221 (no change)
- Containment: 85-percent (+3)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 321 (-101) / 87 (-12)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (-8) / 0 (-1)
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: September 9

Comments: Fire behavior is described as minimal, with isolated torching, backing and creeping observed. There was little to no growth over the last reporting period, and the primary fuels are short grass, brush, and closed timber litter. Approximately 41,835 acres of Sage Grouse Habitat have been consumed and fire continues to threaten the south through the identified habitat areas. Growth potential is minimal due to containment and holding actions.

## Washington

### Bridge Creek Fire



IGEMS Image

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,709 (no change)
- Containment: 84-percent (+6)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 276 (-10) / 34 (+2)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 6 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as moderate during this reporting period with backing, isolated torching, and creeping. All divisions are mopping up, interior islands of fuel will continue to consume resulting in isolated torching. The entire area within the fire's contingency lines is closed to the public to provide for firefighter safety. Scheduled to transition to a IMT Type 3 September 8.

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Painted Hill	Big Horn, MT	BIA	3	2,496	90%	September 5
Wolverine	Glacier, MT	BIA	4	3,035	86%	September 10
Tungsten	Churchill, NV	BLM	3	12,000	50%	September 9

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 6, 2017

### Large Fire Map



**National Preparedness Level 5**  
**National Fire Activity**

Initial attack activity:	Light (106 new fires)
New large fires:	4
Large fires contained:	9
Uncontained large fires: **	50
Area Command Teams committed:	2
NIMOs committed:	2
Type 1 IMTs committed:	16
Type 2 IMTs committed:	28

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Volcano Activity**

**Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

**Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 5, 2017*

**Alert Level = WATCH**

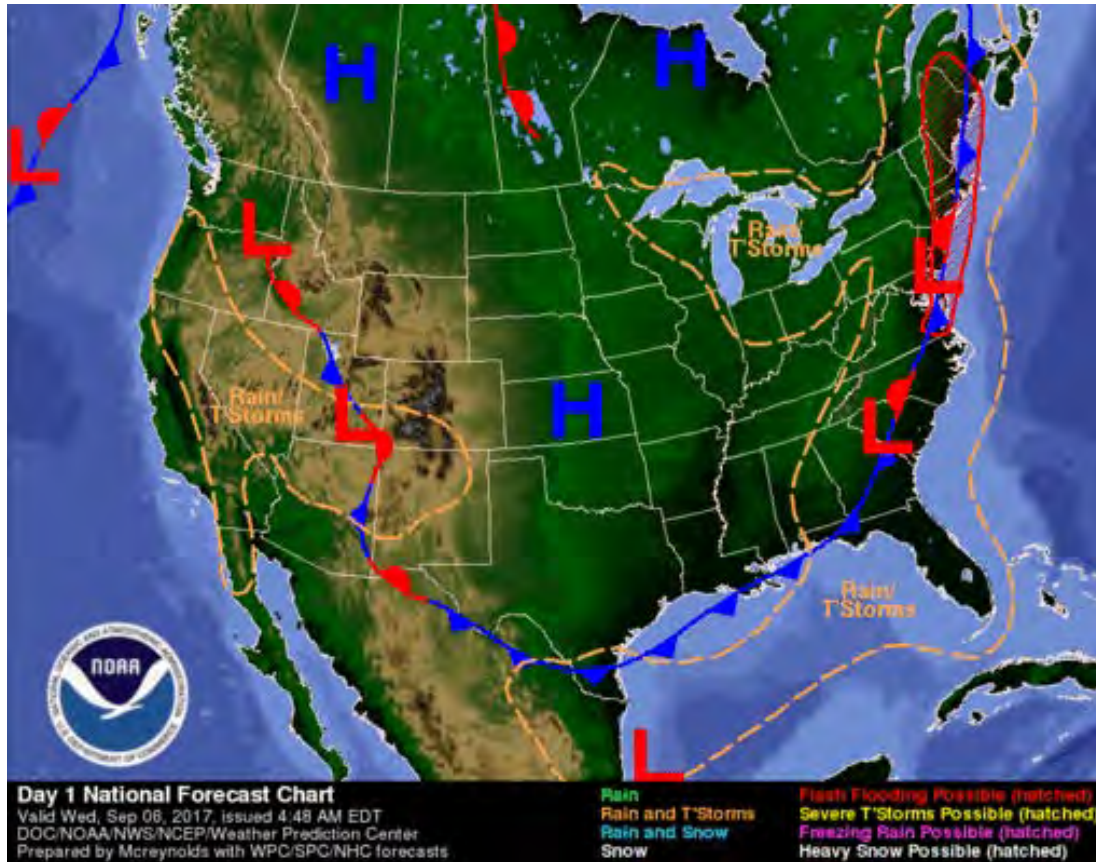
**Color Code = ORANGE**



Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. The lava lake surface is approximately 54 feet below the floor of Halema‘uma‘u. Low rates of ground deformation and seismicity continue across the volcano.

### **Significant National Weather**

Source: National Weather Service - September 6, 2017



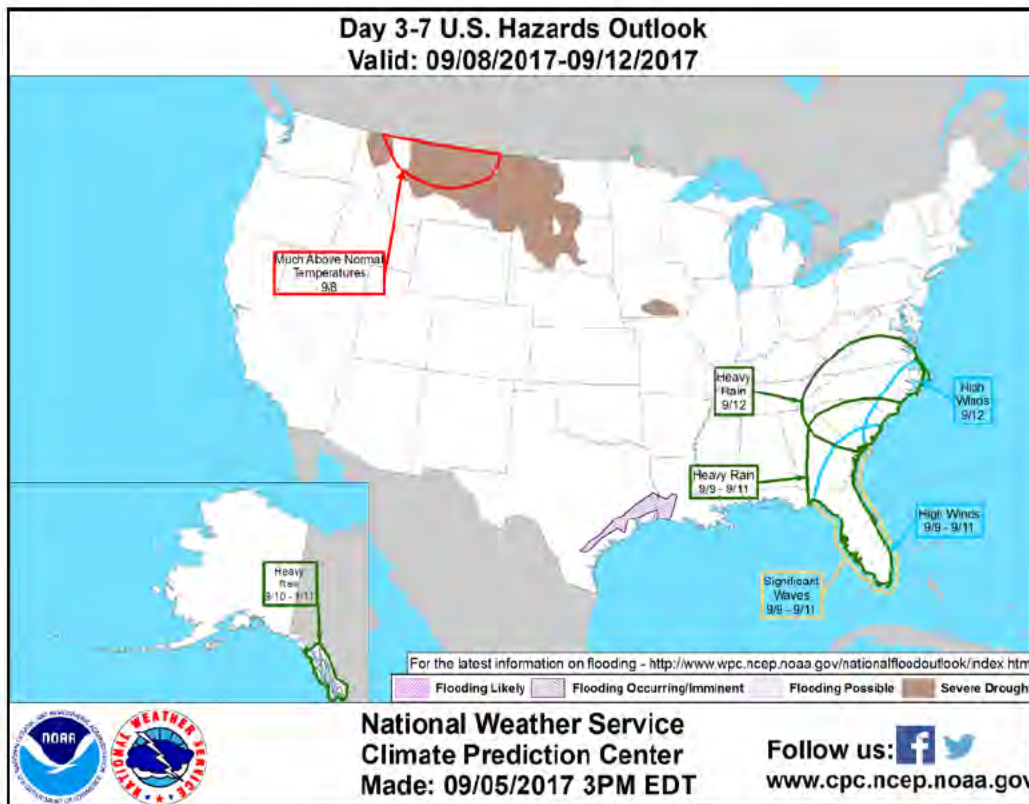
### **Today**

Rain and thunderstorms will develop across the Northeast, the Great Lakes, the mid-Atlantic, Southeast, and Florida. Isolated severe thunderstorms are possible across portions of the mid-Atlantic, the Southeast, and portions of southern New England. Additionally, heavy rain and flash flooding will be possible from southeast Virginia to northern New England. High pressure will produce fair and dry weather across the Great Basin and the north-central Rockies. Elsewhere, scattered afternoon and evening showers and thunderstorms will develop across the Great Basin, California, and the Four Corners. Isolated severe thunderstorms are possible across portions of the northern Sierra Nevada.

## Tomorrow

Scattered showers and thunderstorms are expected across the Great Lakes, the upper Ohio Valley, the Northeast, and New England. More showers and thunderstorms will also be possible for the Florida Peninsula. Afternoon and evening showers and thunderstorms will develop for the west-central Plains, the Four Corners, the central Rockies, the Great Basin, northern California, and the Northwest. Isolated to scattered thunderstorms are possible from the Southwest into the Pacific Northwest. A few stronger storms are possible across northern California, southern Oregon, and northwestern Nevada.

## Weather Hazard Assessment



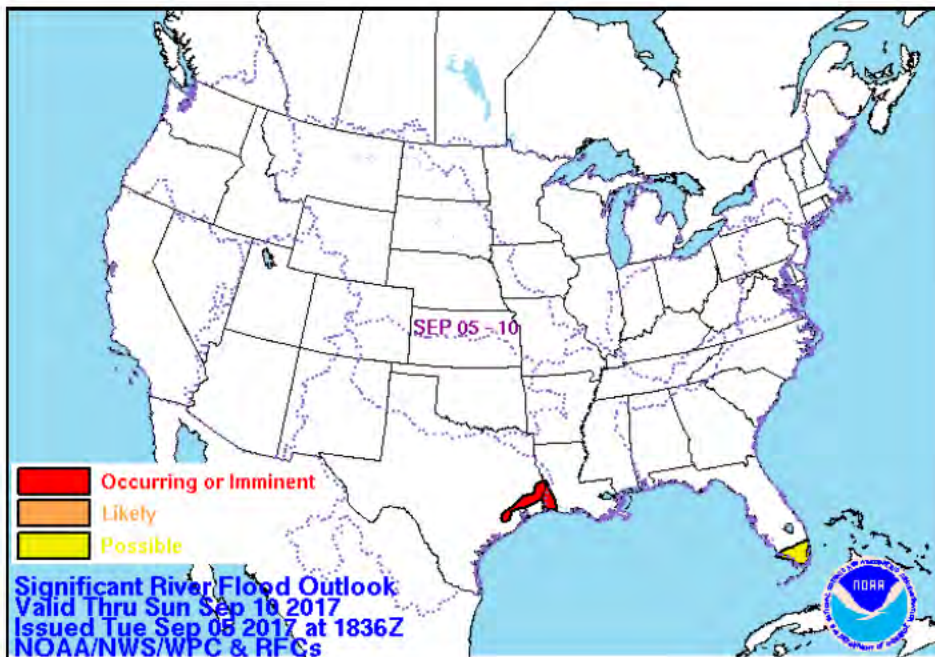
- September 8: Much above-normal temperatures across portions of Montana.
- September 9-11: Heavy rain across portions of the Southeast and the mid-Atlantic
- September 9-11: High significant wave heights for coastal portions of the Southeast.
- September 9-11: High winds across portions of the Southeast.
- September 10-11: Heavy rain across southern portions of the Alaska Panhandle.
- September 12: Heavy rain across portions of the Southeast, the central and southern Appalachians, and the mid-Atlantic.
- September 12: High winds across eastern portions of the Carolinas.

## Alaska Weather



A Small Craft Advisory is in effect in the St. Matthew Island waters, Pribilof Islands, throughout the central Aleutian Islands; from Adak to Sitkinak on the Pacific side and Adak to Nikolski Bering side, the Shelikof Strait, Bristol Bay, Dall, Point to Cape Thompson, Cape Halkett to Demarcation Point, Norton Sound, and the Gulf of Alaska, from Icy Cape to Dixon Entrance. There is a Gale Warning from Attu to Adak in the far Aleutian Islands, Cook Inlet, and the Gulf of Alaska from the Barren Islands East to Icy Cape. There is a High Wind Warning for the Alaskan Interior in McGrath, Farewell, Nikolai, Denali, Healy, Tanana Flats, Donnelly, Isabel Pass, Delta Junction, Mentasta Pass and Chisana. A Wind Advisory is in effect in Lake Minchumina, Tanana, Kanuti, Hughes, Allakaket, Bettles, Gobbler's Knob, Rampart, and Minto.

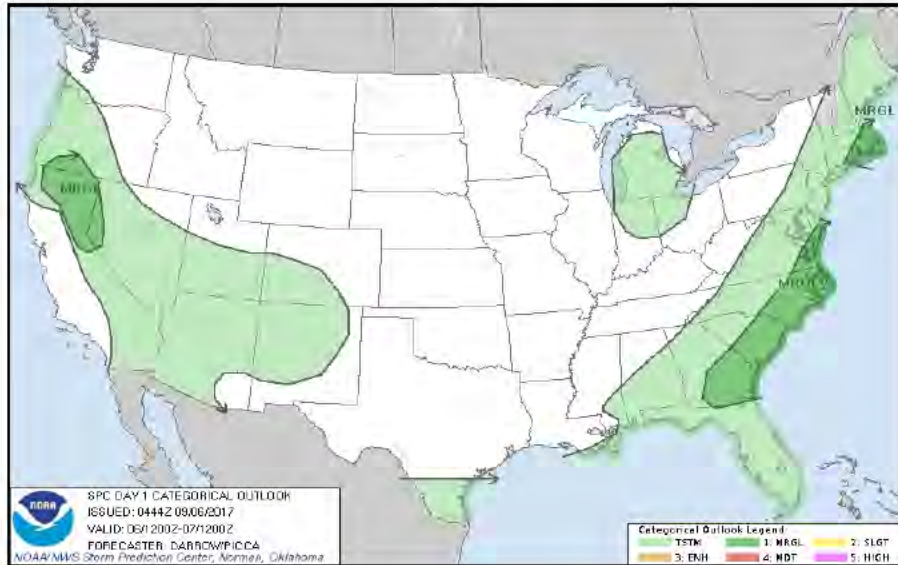
## Significant River Flooding



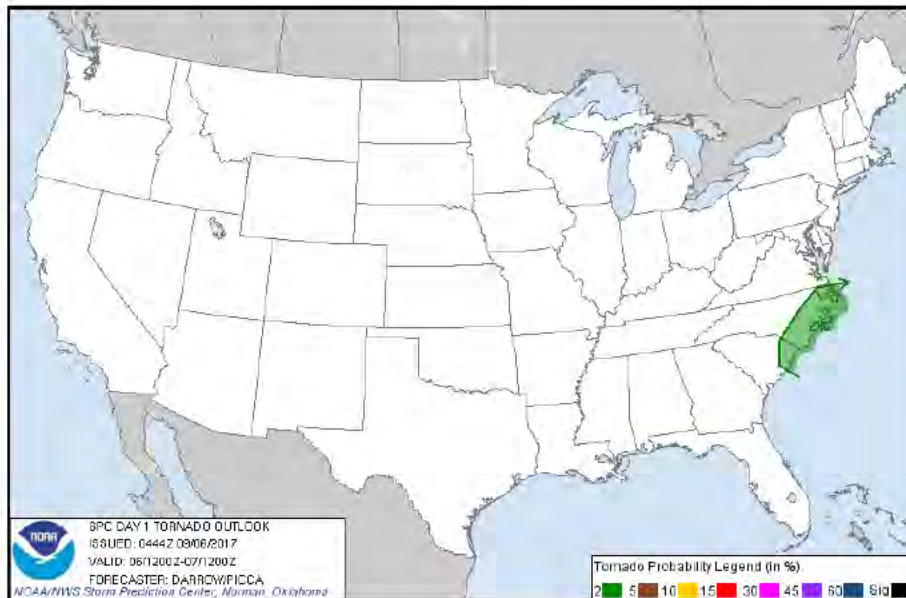
Flooding occurring or imminent for parts of the Texas Gulf Coast, inland areas of southeastern Texas, and southeastern Louisiana. Flooding possible in southern Florida.

### Severe Weather

There is a Marginal Risk of severe thunderstorms across portions of southern New England, south along the mid-Atlantic to southern Georgia. There is also a Marginal Risk of severe thunderstorms across the northern Sierra Nevada.

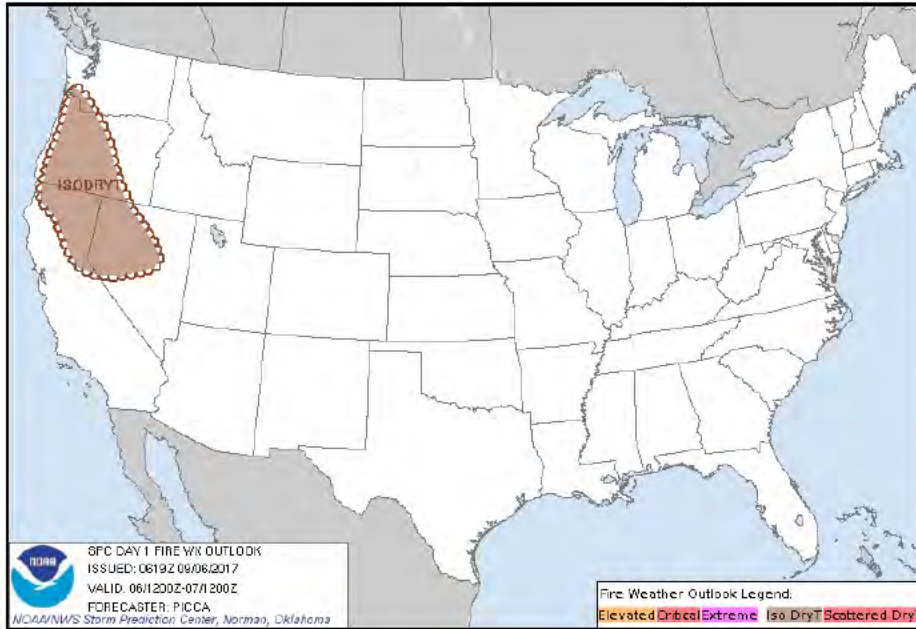


### Tornado Weather



There is a 2-percent chance of tornado activity along the Carolina coastline.

## Fire Weather

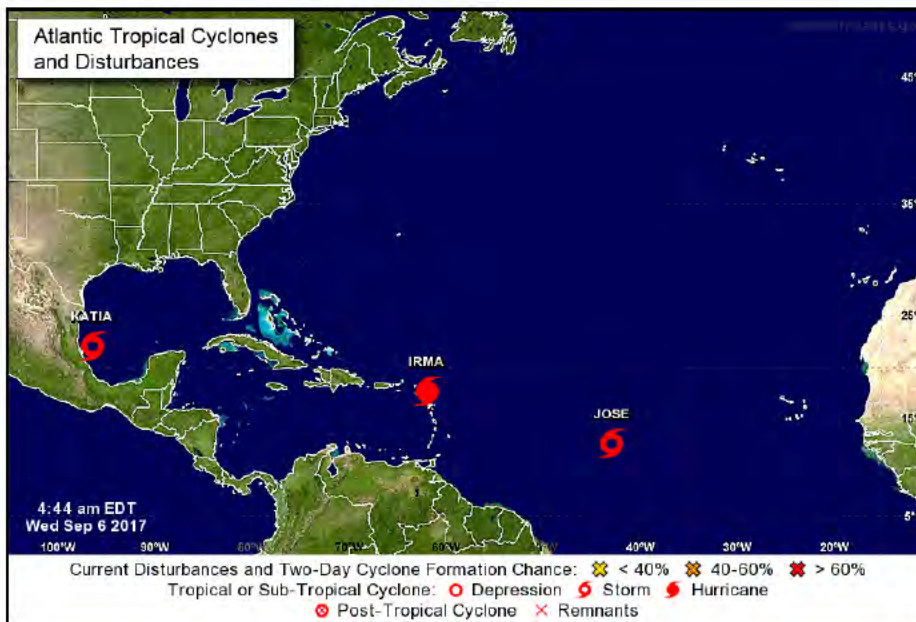


There is no Critical Fire Weather forecast for today. There is a risk of Isolated Dry Thunderstorms across northern California, west and central Oregon, and northwest Nevada.

## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – September 6, 2017*

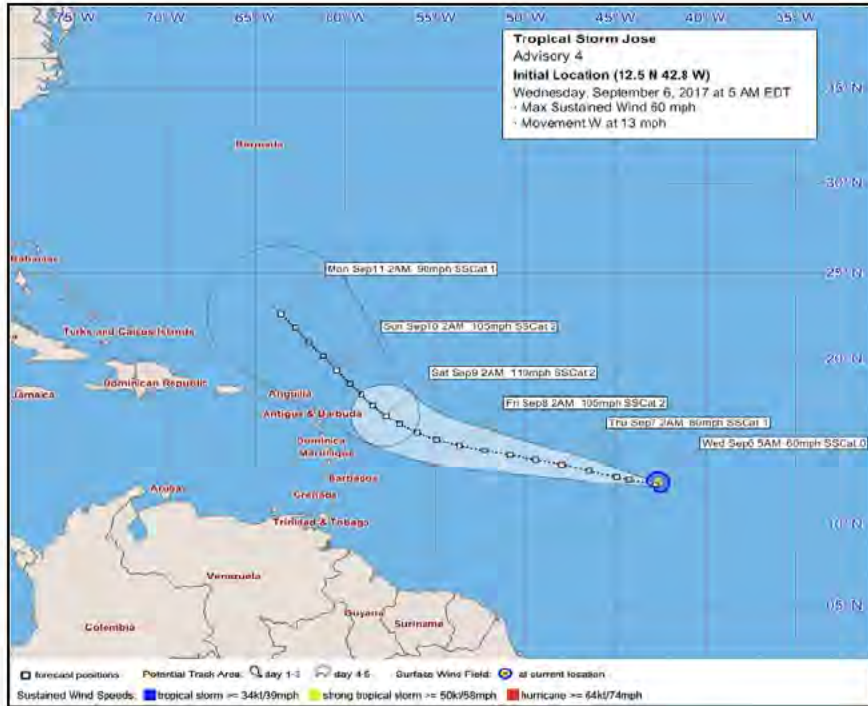
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Hurricane Irma:** Is summarized at the beginning of this report.

### Tropical Storm Jose

At 5:00 a.m. EDT, the center of Tropical Storm Jose was located about 1,255 miles east of the Lesser Antilles. Jose is moving toward the west near 13 mph. A slightly faster west to west-northwest motion is expected during the next two days. Maximum sustained winds have increased to near 60 mph with higher gusts. Additional strengthening is forecast, and Jose is expected to become a hurricane by tonight.



HURREVAC image

### Tropical Storm Katia

At 5:00 a.m. EDT, the center of Tropical Storm Katia was located about 105 miles east of Tampico, Mexico. Katia is moving toward the east-southeast near 2 mph, and the system should gradually turn southeastward during the next 24 hours and continue moving in this general direction through Thursday. A turn toward the southwest is forecast on Friday. On the forecast track, the center of Katia is expected to remain offshore of Mexico through Friday morning. Maximum sustained winds have increased to near 40 mph with higher gusts. Some strengthening is forecast during the next 48 hours.



HURREVAC Image

## Eastern Pacific Ocean

Tropical cyclone activity is not expected during the next 48 hours.

## Other News and Notes

Source: Metropolitan Washington Council of Governments (MWCOC) Regional Incident Communication and Coordination System (RICCS) – September 6, 2017

The “March to Confront White Supremacy,” organized by Cville2DC, is a demonstration march with the potential to impact multiple jurisdictions along Route 29 in Virginia, and into Washington D.C. Wednesday, September 6. Metropolitan Police Department reports that units are monitoring the demonstrations current progression, and units are prepared to provide assistance where necessary (i.e., rolling street closures, traffic control) or based on the prevailing conditions. Once the demonstrators reach Washington, D.C., the [www.cville2dc.us](http://www.cville2dc.us) website states that the demonstrators will launch “wave after wave of non-violent civil disobedience”. The organization is also sponsoring mass housing for anyone traveling from outside of DC who wishes to participate in civil disobedience. Nonviolence trainings will be held each day and are mandatory for anyone participating in civil disobedience and risking arrest. The location of the rallies inside of Washington DC have not been disclosed by the organizers as of yet.

***\*End of Report\****

## **Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries

EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners



**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Thursday, September 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

**Hurricane Irma - Atlantic Ocean**

There are currently a total of 19 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Hurricane Irma	\$200,000	6	Puerto Rico

ESF #5 FL MA # being finalized	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$339,000	12	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from Everglades City to Fort Myers
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1	Location to be determined as incident progresses
ESF #13	Office of Law Enforcement and Security (OLES)	Provide Law Enforcement Support for ESF #8 and ESF #9	On standby if needed	30 Personnel Total on Standby  QRT7 14 - NPS (IMT SET, ISB) 3 - OLES (SER SET)  QRT 8 13 - USPP	Currently no estimated timeline for deployment for our team.

**General Situation:**

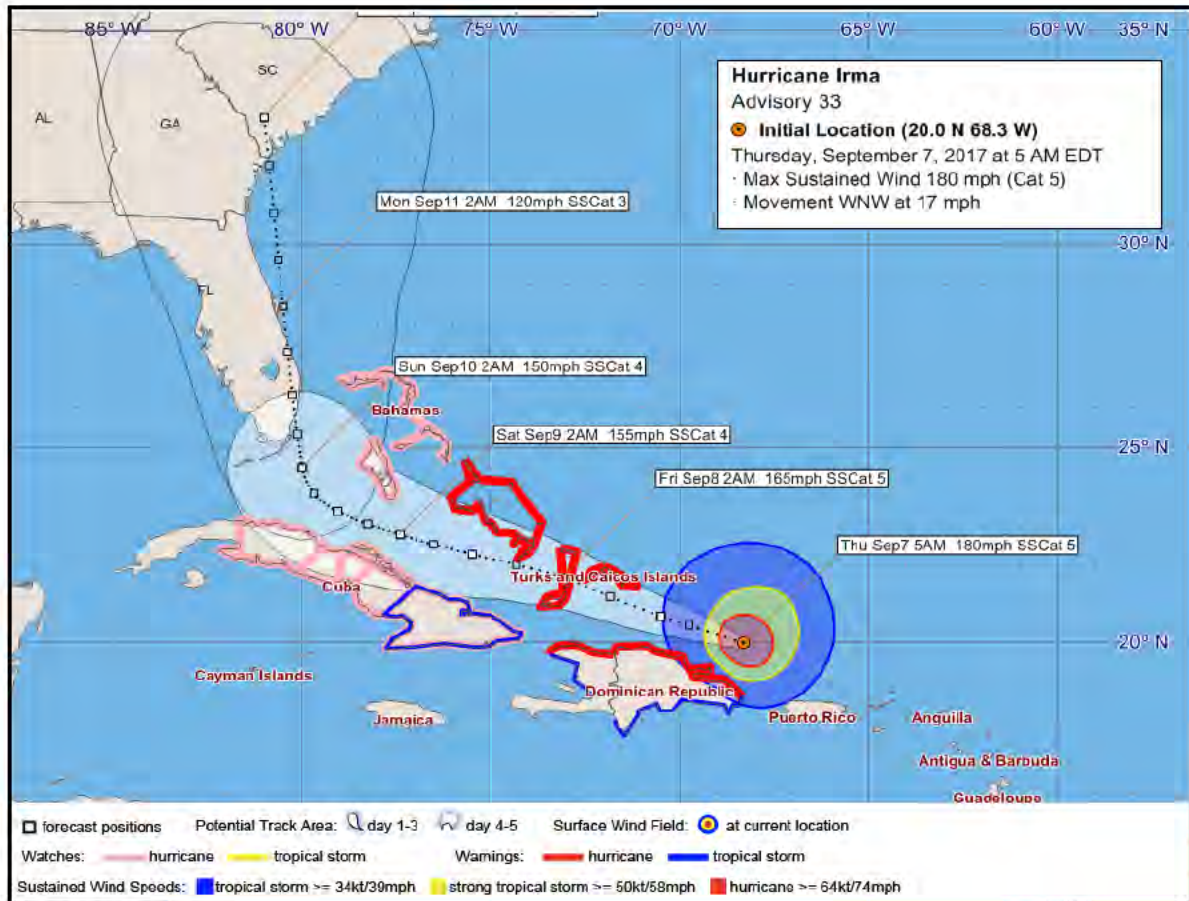
*Source: National Weather Service/National Hurricane Center – September 7, 2017*

As of 5:00 a.m. EDT, Hurricane Irma was located about 95 miles to the north of Punta Cana, Dominican Republic and is moving to the west-northwest at 17 miles per hour (mph). This general motion is expected to continue for the next couple of days. On the forecast track, the center should pass north of the coast of Hispaniola later today, be near the Turks and Caicos and southeastern Bahamas by this evening, and then be near the Central Bahamas by Friday.

Irma is a category 5 hurricane, with maximum sustained winds of 180 mph, with higher gusts. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days.

A Hurricane Warning is in effect for the Dominican Republic from Cabo Engano to the northern border with Haiti, Haiti from the northern border with the Dominican Republic to Le Mole St. Nicholas, southeastern Bahamas and the Turks and Caicos Islands, Central Bahamas and northwestern Bahamas. A Hurricane Watch is in effect for Cuba from Matanzas province eastward to Guantanamo province. A Tropical Storm Warning is in effect for Dominican Republic from south of Cabo Engano westward to the southern border with Haiti, Haiti from south of Le Mole St. Nicholas to Port-Au-Prince, and Cuba provinces of Guantanamo, Holguin, and Las Tunas.

Irma is expected to produce total rainfall accumulations of 2 to 10 inches across portions of northeastern Puerto Rico, the British Virgin Islands, and the U.S. Virgin Islands, with isolated amounts of up to 15 inches possible. This rainfall may cause life-threatening mudslides and flash flooding. The combination of a life-threatening storm surge and large breaking waves will raise water levels above normal tide levels. The storm surge levels will range from 15 to 20 feet above ground.



HURREVAC Image

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #9 (Search and Rescue)**

- *ESF #9 – National Park Service (NPS):* The Federal Search and Rescue Coordination Group (FSARCG) is reconvening today in support of Hurricane Irma with one NPS staff member.

## **DOI Bureau and Office Reporting:**

### **National Park Service Hurricane Irma Update**

*Source: National Park Service (NPS) – September 6, 2017*

The NPS is reporting that all parks in the Caribbean are continuing to make contacts as they are able, and parks throughout the NPS Southeast Region have activated their respective plans in anticipation of Hurricane Irma. The NPS is reporting the following unit updates from their September 6 coordination call:

- *Virgin Islands National Park (VIIS):* All was well as of yesterday morning, but the park was experiencing heavy winds, and it is anticipated that they waves will cause significant problems. The park is running on generator power and can run for 7 days. Coordination with local authorities is ongoing.
- *San Juan National Historic Site (SAJU):* The park is housing several employees and has two military bunkers for safety.

### **Florida Sites:**

- *Big Cypress National Preserve (BICY):* All Employees accounted for and no resources are requested the park has activated the weather plan and the Preserve will closed on September 6. Seven emergency operations personnel have volunteered to remain remain on duty and are working closely with Collier County EOC. Employees in park residences are under a voluntary evacuation, in coordination with county mandatory evacuations. All pre-storm preparations have been completed
- *Biscayne National Park (BISC):* The visitor center, island visitor facilities, and administrative facilities are closed to visitors with signage posted. Boating in park waters remains open, including the Intracoastal Waterway and other channels. Visitors planning to boat in the park should monitor VHF radio for weather conditions and follow marine advisories. By September 6, all shutters will be locked, equipment and supplies covered in plastic, boats secured in their respective locations at Everglades. All employees including park residents have evacuated the park. Employees will not be allowed to return to their work stations until the storm threat has passed and the Security/Re-entry team clears the park for reopening.

- Dry Tortugas National Park (DRTO): Evacuating all residence of the park, but will be at the park September 7 for last minute items. Park will close at the end of the day.
- Everglades National Park (EVER): Evacuating all residents of the park, but will be at the park September 7 for last minute items. Park will close at the end of the day.
- De Soto National Memorial (DESO): The Memorial is closed and there are no needs. Personnel are accounted for.
- Canaveral National Seashore (CANA): The seashore is closed and there are no needs. Personnel are accounted for.
- Castillo de San Marcos National Monument (CASA) - The park is completing Phase II action plans and moving right into Phase III. CASA and Fort Matanzas National Monument (FOMA) will be closed through the storm to give staff sufficient time to evacuate if desired. Law Enforcement (LE) staff members will report to work each day up until weather impacts are felt. The park has no needs from the region and staff is aware of communication processes in place.
- Timucuan Ecological & Historic Preserve (TIMU) - The Preserve is closed and all employees are accounted for. Will follow hurricane plan and there are currently no unmet needs.
- Fort Pulaski National Monument (FOPU)- All employees have been accounted for and moving to operations plan 3. There are no needs and all assets are being moved to the airfields.
- Cumberland Island National Seashore and Fort Frederica National Monument (CUIS & FOFR) - The units have implemented the hurricane plan and looking at park closure.
- South Florida Caribbean Network (SFCN) - The unit is closed. All employees are accounted for. There are needs at this time.

### **U.S. Bureau of Reclamation Hurricane Irma Update**

Source: U.S. Bureau of Reclamation – September 6, 2017

The U.S. Bureau of Reclamation (USBR) completed its initial Hurricane Irma personnel accountability assessment, and the USBR identified two employees domiciled in the state of Florida. Those employees are accounted for. The USBR has identified one employee on personal travel to Florida's western coastline. The employing office has established communication with the employee, who is sheltering in place. The USBR will provide further employee accountability updates following any reported change in employee status and well being and following the hurricane's passing.

## **DOI Telecommunication Update – Hurricane Irma**

*Source: DOI Office of Chief Information Officer – September 6, 2017*

The Enterprise Service Network (ESN) reports that nineteen DOI sites are experiencing network service outages due to Hurricane Irma. The National Park Service, U.S. Geological Survey and the U.S. Fish and Wildlife Service have impacted sites. Two other U.S. Fish and Wildlife Service sites were down before the storm, but are also in Irma's path.

## **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 6, 2017*

There are 44 stations in Hurricane Irma's estimated track. Currently, 18 stations are closed, including Florida Keys National Wildlife Refuge (NWR) Complex (4 stations), Southwest Florida Gulf Coast Complex (2 stations), Caribbean Islands NWR Complex (9 stations), Caribbean ES Field Office (Boquerón and Rio Piedres) and Caribbean LCC office. All facilities are following All-Hazards Disaster Plan (AHDP) and secured the facilities, vehicles and equipment.

The following stations could be impacted:

- Arthur R. Marshall (ARM) Loxahatchee NWR Complex, FL - The facility will begin closures on Friday morning and will continue until the hurricane passes and all areas have been assessed for hazards or risks. Currently, all employees have been accounted for. Liberal leave is in effect until Friday.
- Everglades Headwaters Complex, FL - Pelican Island NWR, Lake Wales Ridge NWR, Archie Carr NWR - The facility will close at 4:00 p.m. on Friday and reopen on Monday, weather permitting. There has been coordination with public county partners. They will have the lead on decision making on the closure of public area gates. All employees have been accounted for and will have been on administrative leave possible since late yesterday. A request for assistance will be needed for beach erosion and a sea-turtle nesting habitat.
- Florida Keys NWR Complex, FL - National Key Deer Refuge, Key West NWR, Crocodile NWR, Great White Heron NWR - The facilities are closed, employees are released and asked to evacuate. All employees are in compliance. There is a mandatory evacuation of the Florida Keys.
- Southwest Florida Gulf Coast Complex, FL-Florida Panther NWR, Ten Thousand Islands NWR - Employees have been recalled from fire detail and will be placed on administrative leave today and Friday. Employees will be stationed in Naples, FL in a hotel. Boats are being relocated to Roth Fire Operations Center at Florida Panther NWR.

- Caribbean Islands NWR Complex, PR - Cabo Rojo NWR, Culebra NWR, Desecheo NWR, Laguna Cartagena NWR, Navassa NWR, Vieques NWR, Buck Island NWR, Green Cay NWR, Sandy Point NWR - All employees have been accounted for and will be released until Thursday. Any further notice of closure will be made after the hurricane and assessment has taken place.
- Caribbean ES Field Offices - (Boqueron, St Thomas, Maricao, Rio Grande/Iguaca Aviary, Rio Piedras) and Caribbean LCC - All employees have been accounted for. St. Thomas lost power early yesterday morning and the government placed a curfew until 6:00 p.m. on September 6. The eye of the hurricane just went barely north of St. Thomas. The Iguaca Aviary at El Yunque National Forest has been running on emergency power since about noon yesterday. Rio Grande Municipal Police indicated that road access to the Aviary is not possible at this time due to rivers and stream overflowing and downed branches. Also, assistance may be needed tracking an employee in St. Thomas due to communication issues.
- Caribbean LCC - The facility is closed for the duration of the hurricane.
- Rio Grande - The facility is open.
- Iguaca Aviary - The facility is open and transfer of parrots to hurricane shelter was complete.
- Maricao - The facility is open and the transfer of parrots is still in progress, at time of report.
- North Florida (Jacksonville) ES Field Office (NFESO) - Currently, have activated the NFESO 2017 AHDP and scheduled an all staff meeting/conference call for today at 10:30 AM.
- Peninsular Florida, FWCO, FL - Employee has been accounted for, is on administrative leave through Friday and is available to assist in other areas where needed.
- Welaka NFH, FL - All employees have been accounted for and two may evacuate to Georgia. The facility is secure.
- Florida Caribbean MB Field Office, FL - The Field Offices are currently monitoring the track of the storm and making preparations, if necessary.

- Groveland District OLE, FL - All offices are closed for investigative activity except scheduled inspections in the Port of Tampa. All vessels have been moved to the Groveland Office and five vessels are inside the warehouse. Half of the district's special agents and CLEO's are still travelling back from ESF duty in Houston from Hurricane Harvey. They will initiate the hurricane plans at their offices upon arrival.

The following have not reported:

- J.N. "Ding" Darling NWR Complex
- Merritt Island NWR Complex
- North Florida Refuge Complex - *Lower Suwannee NWR, St. Marks NWR, St. Vincent NWR, Cedar Keys NWR*
- Crystal River NWR Complex, FL - *Chassahowitzka NWR, Tampa Bay NWR, Passage Key NWR, Pinellas NWR, Egmont Key NWR*
- *Panama City ES Field Office, FL*
- *South Florida (Vero Beach) ES Field Office, FL*
- *University of Florida Ft. Lauderdale Research, FL*
- *Panama City FWCO, FL*
- *Puerto Rico SA Office, PR*

### **Bureau of Indian Affairs Irma Update**

Source: Bureau of Indian Affairs (BIA) – September 6, 2017

BIA Emergency Management (BIA EM) led the Tribal Assistance Coordination Group Conference Call (TAC-G) National Conference call Wednesday, in support of the Tribes impacted by Hurricane Harvey, Hurricane Irma, and the ongoing Wildfires in California. With over 60 participants, the TAC-G received reports from FEMA Region VI, FEMA Region IV, BIA EM, The Seminole Tribe of Florida, the Miccosukee Tribe of Indians of Florida, the Catawba Indian Nation, the Poarch Band of Creek Indians the Indian Health Service, and the Red Cross.

Tribes currently affected by Irma reported the following:

- The Seminole Tribe of Florida - The Seminole Tribe of Florida reported their preparations to date, include monitoring the storm's progress, taking protective measures, assuring food, water and ice contingency plans, and establishing points of distribution. The Tribe also discussed the possible need for communications, radio, and law enforcement assistance from the BIA.
- Miccosukee Tribe of Indians of Florida - Miccosukee Tribe of Indians of Florida gave a briefing on the dangerous water levels that could impact the Tribal housing, if the water rises due to the hurricane. The Tribe has been in coordination with the US Army Corps of Engineers. and will coordinate with partners in case pumps are needed to reduce flooding.



- Catawba Indian Nation - Catawba Indian Nation discussed their preparations, as the newest track takes the hurricane over Georgia and South Carolina.
- Poarch Band of Creek Indians - The Poarch Band of Creek Indians also discussed hurricane preparedness activities, in case the hurricane heads west.

Federal Emergency Management Agency (FEMA) National Response Coordination Center(NRCC) Tribal Desk

The FEMA NRCC Tribal Desk transitioned to Response Operations for Hurricane Irma on September 6. Requesting for pre-landfall assistance began to occur and a determination for pre-landfall deceleration needs to be made for Florida (or Tribes if they choose to ask separately). The Tribal Desk at the NRCC will be operational during the daytime hours of 8:00 a.m. to 8: p.m. The desk line is 202-212-8228.

Indian Health Service (IHS)

The IHS gave a report on continuing logistical efforts from the Nashville Area Office concerning the Tribes in Florida. IHS shared a resource list with the Tribes that contained items that were currently available at the IHS warehouse.

**Other Federal and State Government Reporting:**

**DHS National Operations Center and FEMA Irma Update**

Source: DHS National Operations Center – September 7, 2017

The National Hurricane Center reports Hurricane Irma remains a Category 5 storm with maximum sustained winds of 180 mph. The eye of the storm will move away from Puerto Rico (PR) this morning and pass north of Hispaniola. In preparation for Irma, the Governors of Florida (FL), South Carolina (SC), and Georgia (GA) have declared States of Emergency. The USVI requested an expedited major Disaster Declaration on September 6.

There are 192 shelters open in PR with 2,911 occupants, six shelters are open in the U.S. Virgin Islands with 298 occupants and four shelters open in FL with 90 occupants. Forty patients are in the process of being evacuated from Schneider Medical Center in St. Thompson due to catastrophic roof damage. Mandatory and voluntary evacuations continue through portions of FL as Irma moves toward the region.

The airports in PR, and St. Croix are closed; the airport in St. Thomas has no power to bunker or base building. The ports in PR and USVI remain closed. All Key West and Miami ports are open with restrictions; anticipated full closure today, September 7.

Currently, there are 1,077,325 customers without power in Puerto Rico, 14,543 customers without power in St. Croix, 19,581 in St. Thomas, and 2,893 in St. John. The Baldorioty Stormwater Pump station in PR went down prior to the storm; plant operators restored the pump

to 35 percent capacity (sufficient to prevent flooding), but will not be able to make further repairs until after Irma has passed.

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 7, 2017:**

There are currently a total of 181 DOI Personnel supporting the response under the FEMA mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF#4 8/28/2017 4332DR-TX- USFS-04"	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	(29 total) 7 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/25/2017 TX-17082301- DOI-01 (original) and 4332DR-TX- DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	(8 total) One 24/7 position supported by 8 DOI personnel	FEMA HQ SILC activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	(19 total) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX along the coast through the Houston impact area

ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000	6 personnel from Louisiana are in the field today flagging HWMs.	southwest Louisiana
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX Activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF #11 8/25/2017 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ

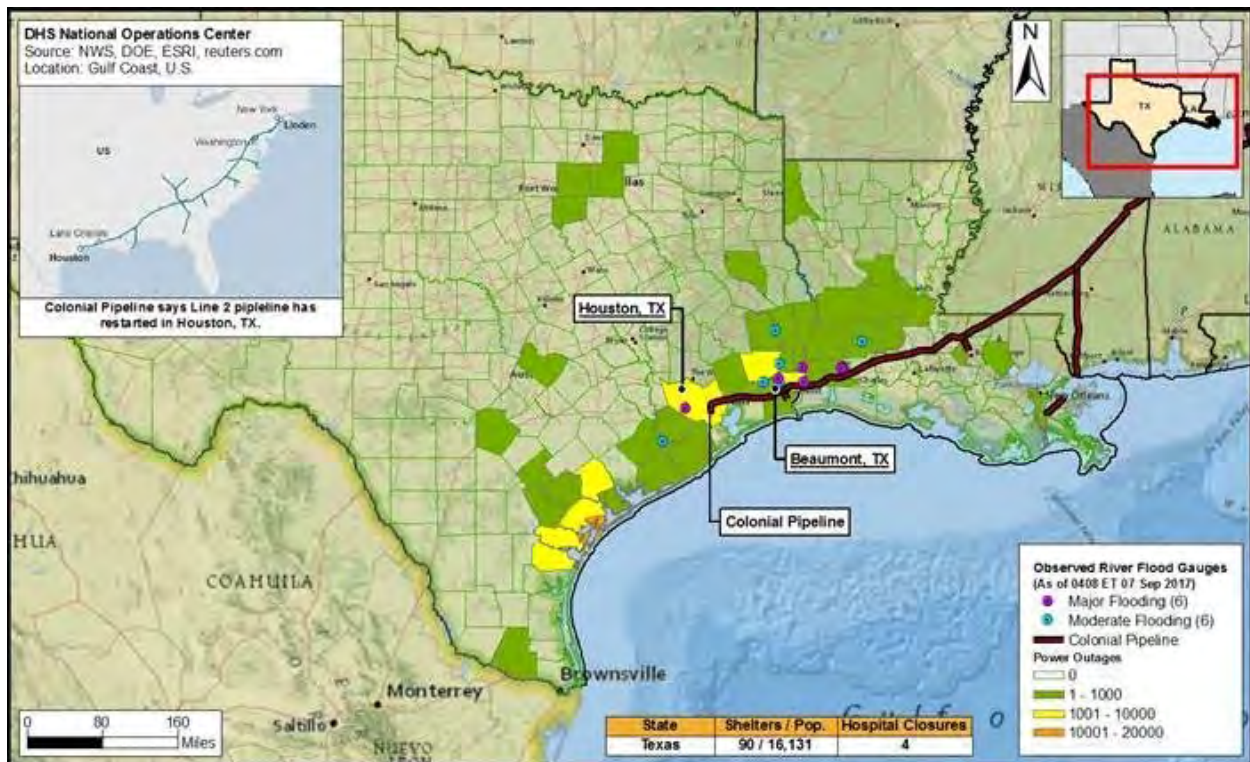
<p>ESF #13 8/28/2017 4332DR-TX- USDJ-01</p>	<p>Office of Law Enforcement and Security</p>	<p>Provide Law Enforcement Support for ESF-8 and ESF-9</p>	<p>DOI Sub- tasked \$600,000 under total ATF ESF- 13 MA \$5.6m</p>	<p>(117 total) QRT 2 : DEPLOYED 28 AUGUST 10 - BLM 13 - BIA 2 - OLES  QRT 3 : DEPLOYED 1 SEPTEMBER 13 - BLM 12 - FWS Refuge  QRT 4 : DEPLOYED 1 SEPTEMBER 22 - FWS OLE  QRT 5 : DEPLOYED 1 SEPTEMBER 12 - FWS Refuge 7 - NPS 4 - BLM 1 - OLES  QRT 6 : DEPLOYED 1 SEPTEMBER 21 - FWS OLE</p>	<p>QRT 2 is assigned to a direct Federal assistance (DFA) mission in Humble, Texas and will continue to RON at ESF-13 provided lodging in Houston.  QRT 4 is assigned to base camp security.  QRT 6 is assigned to a Fed-toFed mission supporting ESF-8 in Port Arthur, Texas. They are in travel status to Port Arthur and will be operational today. They will RON in ESF-13 provided lodging in Port Arthur.  QRTs 3 and 5 are awaiting assignment at base camp in Houston.</p>
<p>ESF #15 09/03/2017 4332DR- TX_DOI-09</p>	<p>Office of Communications</p>	<p>Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.</p>	<p>\$10,000</p>	<p>Currently working with OCO to identify Public Affairs SME to support</p>	<p>Austin, TX</p>
<p>RSF Natural Cultural Resources 4332DR- TX_DOI-08</p>	<p>Office of Environmental Policy and Compliance (OEPC)</p>	<p>Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies</p>	<p>\$56,910</p>	<p>OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10</p>	<p>Austin, TX</p>

## **General Situation:**

Source: *DHS National Operations Center and Federal Emergency Management Agency – September 7, 2017*

Response and recovery efforts continue throughout the Gulf Coast of Texas and Louisiana. Rivers continue to recede in the region; however, major to record levels will persist through late this week or early next week for several areas, including Houston and Beaumont.

The DOE estimates 41,138 customers in Texas remain without power. Five refineries are in the process of restarting. Seven additional refineries in the Gulf Coast are operating at reduced rates. The Colonial Pipeline is restarting Lines 2 and 4 from Houston, TX; the lines are expected to be fully operational today, September 7.



DHS Graphic

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #4 (Firefighting):**

- *ESF #4 – National Park Service (NPS):* The NPS is tracking seven staff deployed with ESF #4.

### **ESF #5 (Information and Planning):**

- *ESF #5 –NPS:* There is one NPS representative at the Federal Emergency Management Agency (FEMA) National Response Coordination Center (NRCC) supporting the DOI Senior Interagency Liaison Cadre (SILC).

- ESF #5 USGS: Eighteen USGS personnel (from Texas, Florida, Arizona, Oklahoma, and New Mexico) worked under MA TX-17082301-DOI-01 yesterday. Seventy-three high water marks (HWMs) have been flagged, and 34 HWMs have been surveyed. Six personnel from Louisiana were also in the field conducting work under MA 3382EM - LA-USGS-01.

**ESF #8 (Public Health and Medical Services):**

- ESF #8 NPS: Three Public Health Service (PHS) officers are mobilized under ESF #8 from the U.S. Department of Health and Human Services.

**ESF #9 (Search and Rescue):**

- ESF #9 NPS: The Federal Search and Rescue Coordination Group (FSARCG) has demobilized from Hurricane Harvey. The FSARCG will reconvene today in support of Hurricane Irma with one NPS staff.

**ESF#11 (Agriculture and Natural Resources):**

- ESF #11 (OEPC): U.S. Department of Agriculture (USDA) staff are activated in FEMA Region II, FEMA Region IV, and Region VI. FEMA Region I has been activated to Level III to monitor activity. One employee from BLM is currently working under the ESF #11 mission assignment to assist USDA in staffing the NRCC. No additional OEPC or DOI employees are deployed for either ESF #10 or ESF #11 at this time.

**ESF #13 (Public Safety and Security):**

- ESF# 13 – NPS: The 12 personnel from the Southeast Region Special Event Team (SET) on QRT1 have returned to their home station. An additional team of seven employees from the USPP and the NPS deployed with QRT to support public safety and security and remains on site. The The Intermountain Incident Management Team is demobilizing from Hurricane Harvey on today, September 7, and returning to home units.
- ESF #13 – Office of Law Enforcement and Security (OLES): ESF#13 operations yesterday included 94 Federal Law Enforcement Officers (FLEOs) providing site security and force protection to ESF#8, 50 FLEOs providing force protection for ESF #9, and 673 FLEOs providing direct federal assistance (DFA) to local police departments. A total of 502 officers were demobilized on Tuesday, and ESF#13's goal to begin demobilization on September 9.

## **DOI Bureau and Office Reporting:**

### **National Park Service Harvey Update**

*Source: National Park Service (NPS) – September 6, 2017*

Currently, the NPS has 29 staff deployed supporting operations for Harvey response and recovery. This number does not include local assets working in home park units. The NPS Emergency Incident Coordination Center (EICC) is on a normal duty schedule, but continues to follow resources as they return to their home units. The Intermountain IMT will be demobilizing from Harvey today and the Federal Law Enforcement Training Center will also close today.

### **United States Fish and Wildlife Service Harvey Update**

*Source: United States Fish and Wildlife Service (FWS)– September 6, 2017*

Currently, FWS has 8 stations closed as a result of Harvey. 18 FWS employees cannot occupy their homes and 15 FWS employees will require trailers. The Harvey response is down to 38 personnel on the established IMT. The Hurricane Harvey Personnel are demobilizing.

### **Bureau of Indian Affairs Harvey Update**

*Source: Bureau of Indian Affairs (BIA) – September 6, 2017*

The Poarch Band of Creek Indians also discussed hurricane preparedness activities, in case the hurricane heads west. Harvey activities discussed included Poarch Band of Creek team members who were deployed to Texas, as part of the Alabama U.S. Army Reserve (USAR) Task Force.

### **Office of Environmental Policy and Compliance Harvey Update**

*Source: Office of Environmental Policy and Compliance – September 6, 2017*

There have been no request for DOI assistance for ESF #10. The Regional Environmental Office in Albuquerque is coordinating with USFWS Region II, the National Oceanic and Atmospheric Administration (NOAA) Scientific Support Coordinator (SSC), and the Regional Response Team. OEPC Headquarters is continuing to participate in National Response Team meetings.

### **United States Geological Survey Hurricane Irma Update**

*Source: United States Geological Survey – September 6, 2017*

Thirty-three personnel from the USGS Texas Water Science Center (TXWSC) were in the field yesterday making discharge measurements, taking water quality samples, and performing gage repairs. Five streamgages are currently damaged or not reporting, and three streamgages have been repaired since Tuesday. Over 120 discharge measurements at over 80 streamgage locations have been performed in association with Harvey.

## **Office of the Special Trustee for American Indians Harvey Response Update**

*Source: Office of the Special Trustee for American Indians – September 6, 2017*

The Office of the Special Trustee for American Indians (OST) has been in contact with the United States Postal Service (USPS) in Houston and has provided them the names addresses of the 65 Individual Indian Money (IIM) beneficiaries who were sent checks during Hurricane Harvey. The USPS is delivering mail where they can and will try to locate the beneficiaries if they are not already delivering mail to their addresses. The following actions have been taken by OST:

- Created and posted an advisory bulletin to the [OST Public Site Home Page](#).
- Created "Beneficiary Information in Case of Emergency" Page on the [OST Public Site](#); the site contains links to other relevant federal sites, including local post office information Posted advisory bulletin/text/link to info page to the OST Facebook Page and Twitter account
- Created first-ever OST "Beneficiary Bulletin" sent to all OST employees, contractors, and those who subscribed through the GovDelivery platform.
- Created call script for our Trust Beneficiary Call Center.
- Began social media posting urging beneficiaries in affected areas to contact the call center.

## **U.S. Bureau of Reclamation Harvey Response Update**

*Source: U.S. Bureau of Reclamation– September 6, 2017*

The U.S. Bureau of Reclamation (USBR) conducted an initial call with its U.S. Army Corps of Engineers (USACE) liaison to discuss long-term deployment considerations in support of ESF #3 (Public Works and Engineering). USACE is in the early stages of planning significant deployment requests, potentially with a primary focus on housing missions. Deployment needs may extend for a period up to or exceeding one year, and early estimates suggest a potential need for many hundreds of staff to deploy. Early planning and staffing estimates are currently focused in response to Hurricane Harvey, but USACE will continue assessing plans following landfall by Hurricane Irma, which may widen the geographic extent/number of incidents the USBR is asked to support.

Though USACE has not issued a formal request for deployment at this time, last week the USBR started pre-rostering technically-qualified staff for future ESF #3 deployment needs. The USBR will first attempt to staff deployments using its personnel. Should requests exceed USBR's staffing capacity, data calls and requests for interest to distributed to other bureaus and offices.

USBR's Emergency Operations Center is staffed Monday through Friday (7:30 a.m.-4:00 p.m MT). The USBR requests that all data calls (including availability and capacity) and requests for deployment initiate with the USBR Emergency Operations Center. Requests may be sent to [bor\\_eoc@usbr.gov](mailto:bor_eoc@usbr.gov) or 303-445-3648. In the evening, this number forwards to the Chief, Program and Emergency Management Office/Emergency Management Council representative.



## **DOI Telecommunication Harvey Update**

*Source: DOI Office of Chief Information Officer – September 6, 2017*

In the Harvey recovery zone. Two DOI sites remain without network services including the NPS and FWS.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 7, 2017*

The National Interagency Fire Center (NIFC) in Boise, ID is activating active duty military personnel to assist with wildfire suppression efforts in California, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming. They will act as firefighters and will be given three days of training.

The **Sprague Fire** (Montana) is no longer a full suppression fire and will no longer be reported. The **Painted Hill Fire** (Montana) has not been updated and will not be summarized.

## **Montana**

### **East Fork Fire**



*IGEMS Image*

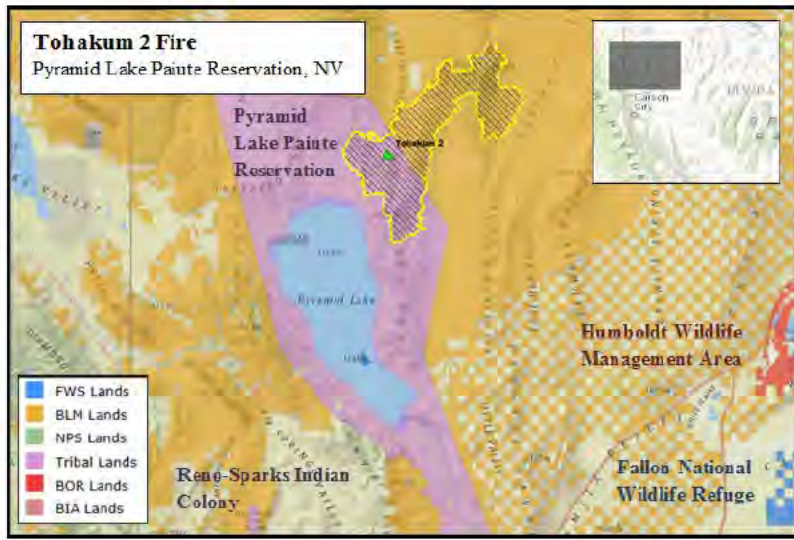
- Start Date: August 27
- Location: Rocky Boys Reservation, MT (BIA)
- Burned Acres: 21,518 (no change)
- Containment: 90-percent (+5)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 290 (-19) / 77 (-1)
- Structures Threatened-Single-Mixed Residential / Commercial: 50 (no change) / 0 (no change)
- Evacuations / Shelter in place: 120 (no change) / 0 (no change)

- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 17

Comments: Fire behavior was described as minimal during this reporting period, with smoldering. Full suppression activities have been completed. Evacuation remains in effect for Beaver Creek County Park Area.

## Nevada

### Tohakum 2



*IGEMS Image*

- Start Date: August 29
- Location: Washoe, NV (BIA)
- Burned Acres: 94,221 (no change)
- Containment: 95-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 214 (-107) / 52 (-35)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 9

Comments: Fire behavior is described as minimal, with flanking backing and creeping observed. There was little to no growth over the last reporting period due to holding actions and containment. Approximately 127,299 acres of Sage Grouse Habitat have been threatened.

## Washington

### Bridge Creek Fire



IGEMS Image

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,711 (+2)
- Containment: 85-percent (+1)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 267 (-9) / 32 (-2)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 7 (+1) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as moderate during this reporting period with backing, smoldering, and creeping. All divisions are mopping up, interior islands of fuel will continue to consume resulting in isolated torching. Injured firefighter returned to duty. Scheduled to transition to a IMT Type 3 September 8.

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 10
Tungsten	Churchill, NV	BLM	3	17,000	50%	September 9

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 7, 2017

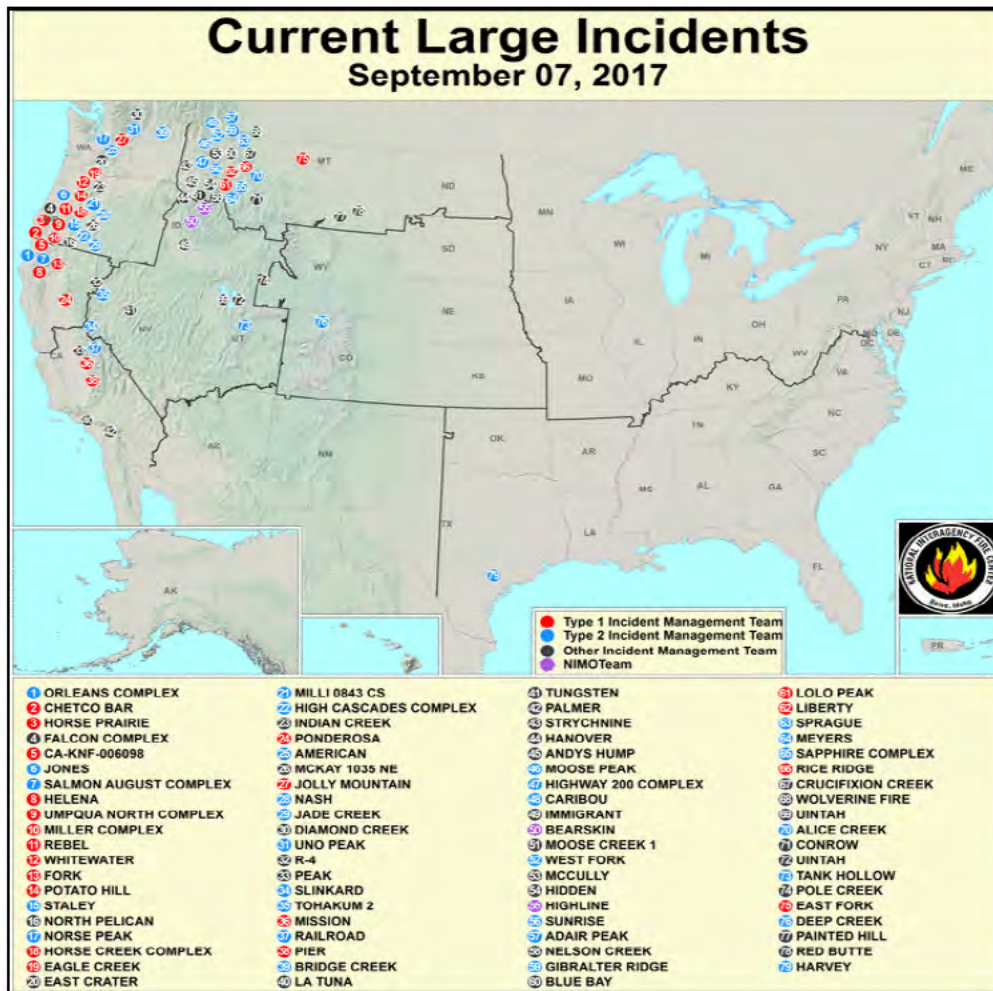
## National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (111 new fires)
New large fires:	4
Large fires contained:	1
Uncontained large fires: **	51
Area Command Teams committed:	2
NIMOs committed:	2
Type 1 IMTs committed:	16
Type 2 IMTs committed:	22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## **Significant National Weather**

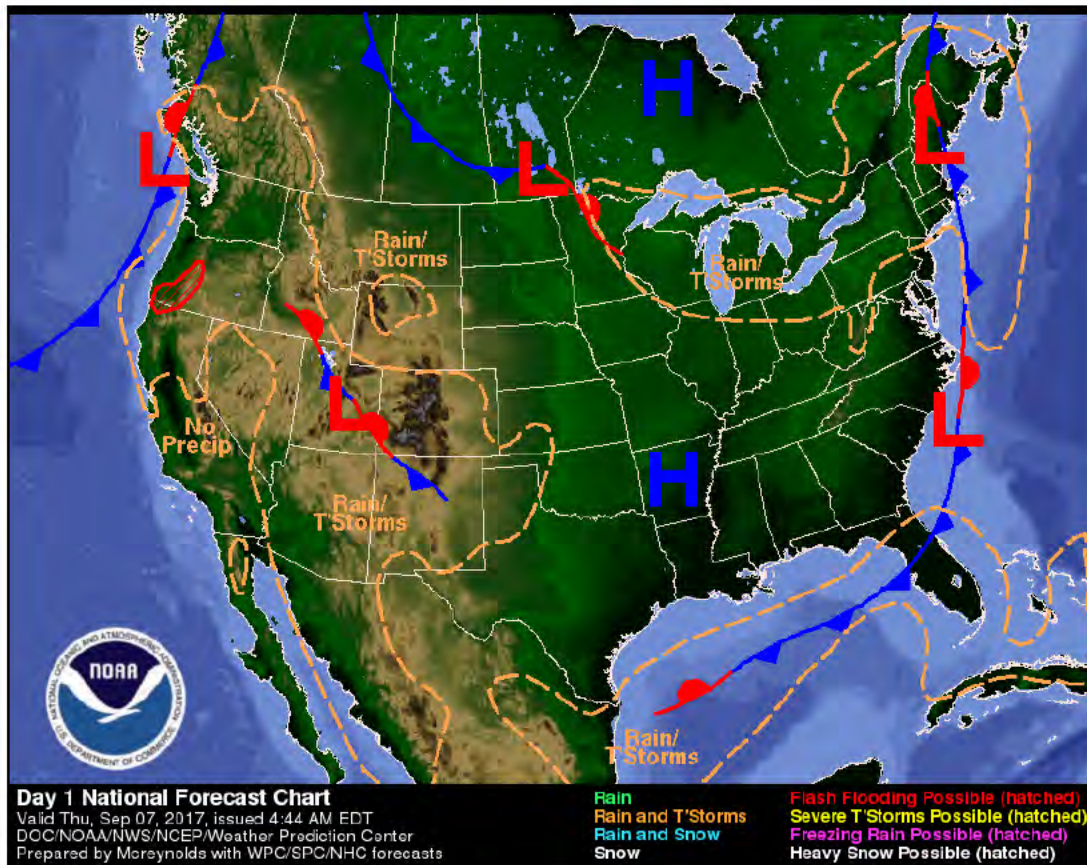
*Source: National Weather Service - September 7, 2017*

### **Today**

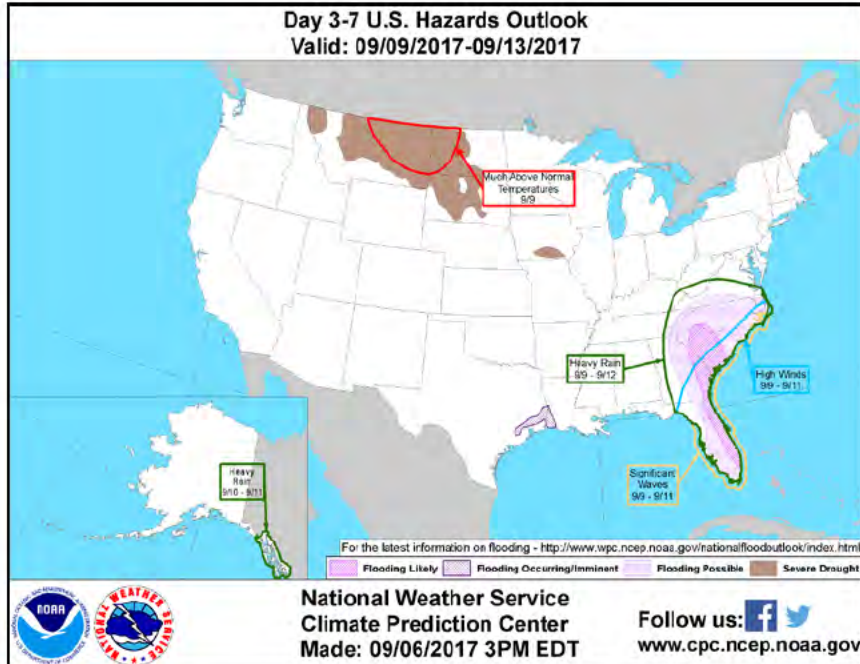
Residual showers and thunderstorms will affect the Great Lakes and the Northeast. Isolated dry thunderstorms are possible from the Great Basin into the Pacific Northwest. Red Flag Warnings and poor air quality will persist for the Northwest U.S. as fire potential remains high. Rain showers and thunderstorms are possible for most of the Southwest, but none are severe.

## Tomorrow

Rain and thunderstorms will extend from the eastern Great Lakes and upper Ohio Valley into New England. Elsewhere, in the afternoon and evening, showers and thunderstorms will develop across the Four Corners, the Southwest, the central Plains, the Rockies, the northern California, and the Northwest. Some of these storms may produce flash flooding across southern Nevada, California within 50-70 miles of Arizona border, and over western Arizona.

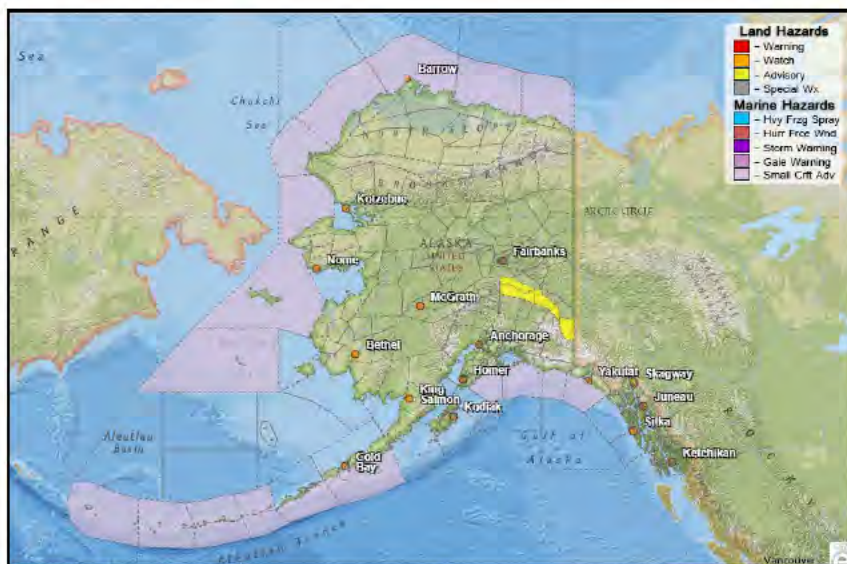


## Weather Hazard Assessment



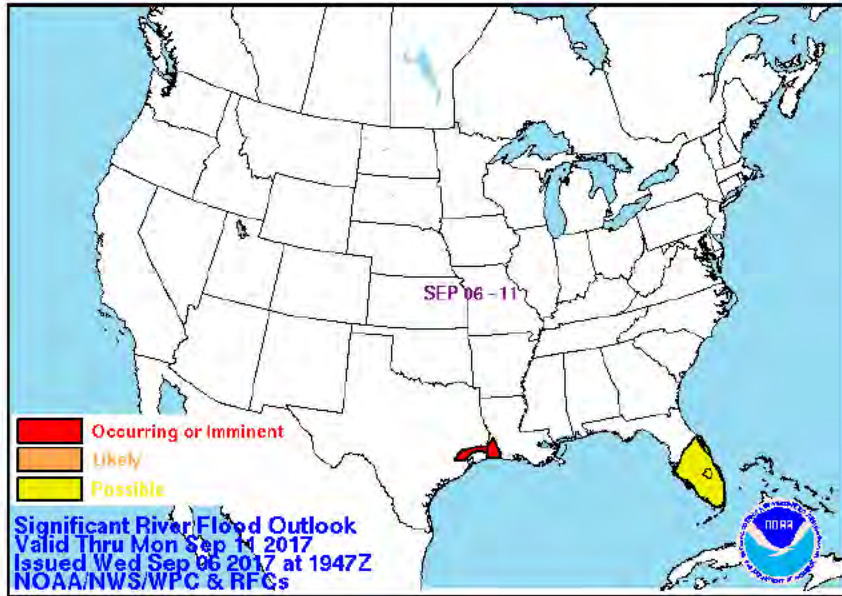
- September 9: Much above normal temperatures across portions of the Northern Plains.
- September 9-11: High winds across portions of the Southeast and the mid-Atlantic.
- September 9-11: High significant wave heights for coastal portions of the Southeast and the mid-Atlantic.
- September 9-12: Heavy rain across portions of the central Appalachians, the Tennessee Valley, the mid-Atlantic, the southern Appalachians, the Southeast, and the Ohio Valley.

## Alaska Weather



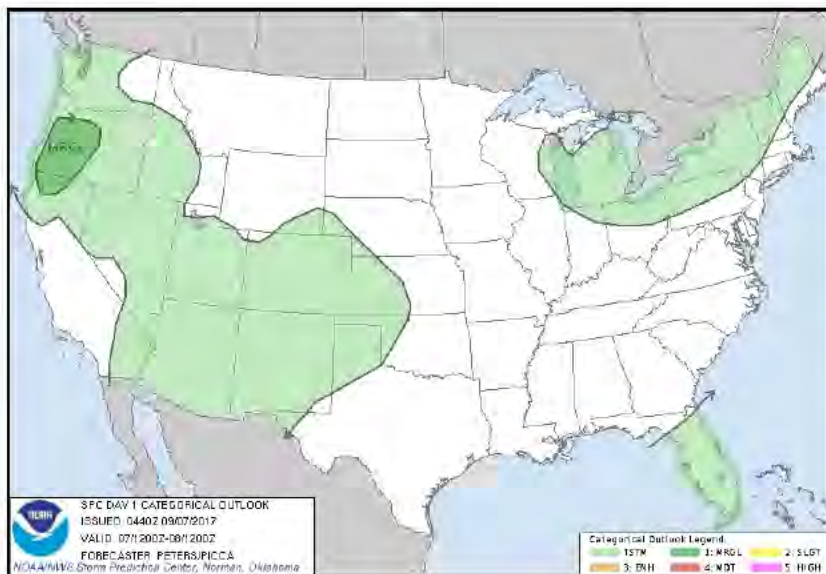
A Small Craft Advisory is in effect in the St. Matthew Island waters, from Dall Point Wales to Demarcation point; from Kiska to Cape Sarichef, and from Cape Cleare to the Icy Cape. A Wind Advisory is in effect for Isabel Pass, Donnelly, Mentasta Pass and Chisana.

### Significant River Flooding



Flooding occurring or imminent for parts of the Texas Gulf Coast. Flooding is possible in southern Florida.

### Severe Weather



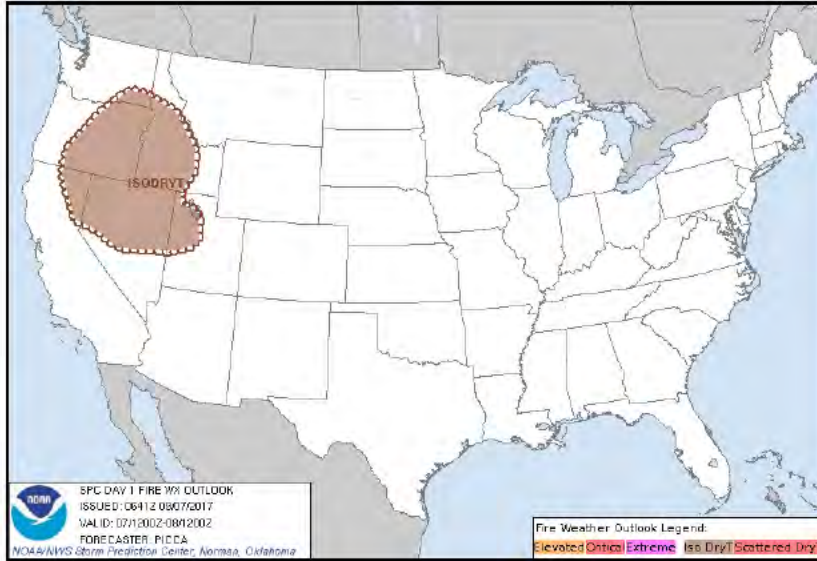
There is a Marginal Risk of severe thunderstorms across part of northern California into western Oregon.



## Tornado Weather

There is less than 2-percent chance of tornado activity in all areas today.

## Fire Weather

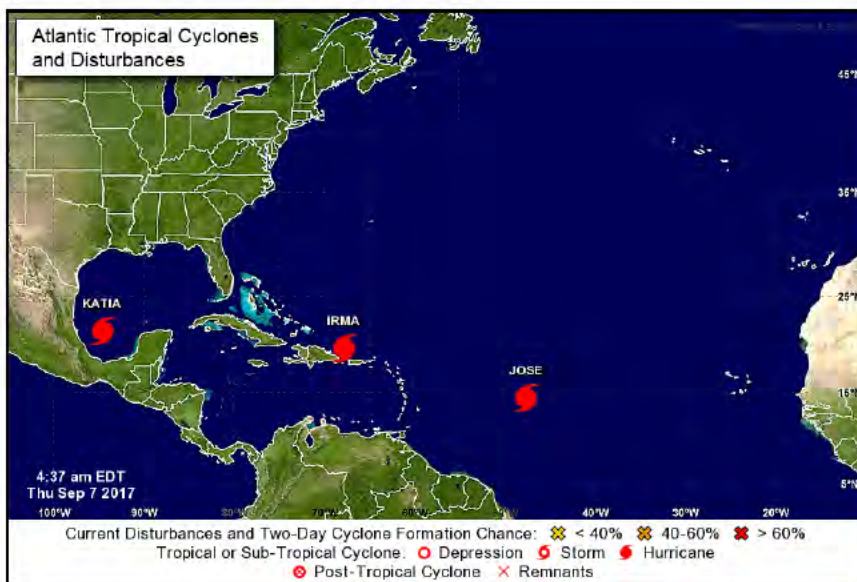


There is no Critical Fire Weather forecast for today. There is a risk of Isolated Dry Thunderstorms across northeastern California, the central Great Basin, and the northern Great Basin.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 7, 2017

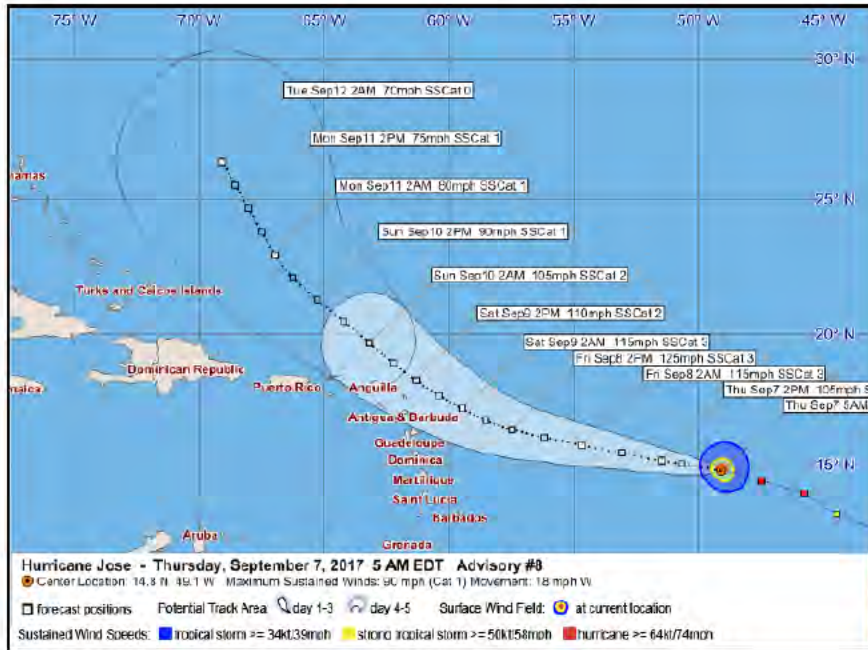
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Hurricane Irma:** Is summarized at the beginning of this report.

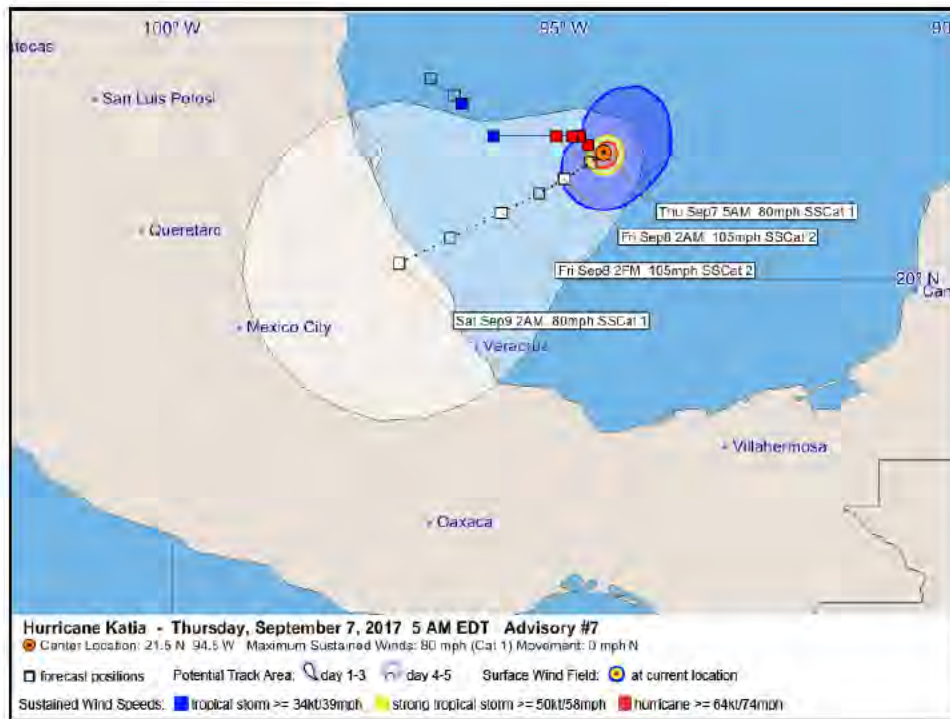
### Hurricane Jose

At 5:00 a.m. EDT, the center of Hurricane Jose was located about 815 miles east of the Lesser Antilles. Jose is moving toward the west-northwest near 18 mph and is expected during the next two days. Maximum sustained winds are near 90 mph with higher gusts. Additional strengthening is forecast over the next 48 hours. There are no coastal watches or warnings in effect.



HURREVAC image

### Hurricane Katia



HURREVAC Image

At 5:00 a.m. EDT, the center of Hurricane Katia was located about 225 miles east of Tampico, Mexico. Katia is stationary and overall motion through late today, but then the hurricane is forecast to turn southwestward and approach the coast within the watch area late Friday or early Saturday. Maximum sustained winds have increased to near 80 mph with higher gusts. Some strengthening is forecast during the next 48 hours and Katia could be near major hurricane strength at landfall. A Hurricane Watch is in effect for Cabo Rojo to Laguna Verde. A Tropical Storm Warning is in effect for north of Cabo Rojo to Rio Panuco and south of Laguna Verde to Puerto Veracruz.

### Eastern Pacific Ocean

Tropical cyclone activity is not expected during the next 48 hours.

*\*End of Report\**

#### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Friday, September 8, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

**Hurricane Irma - Atlantic Ocean**

**DOI Mission Assignments as of September 7, 2017:**

There are currently a total of 104 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

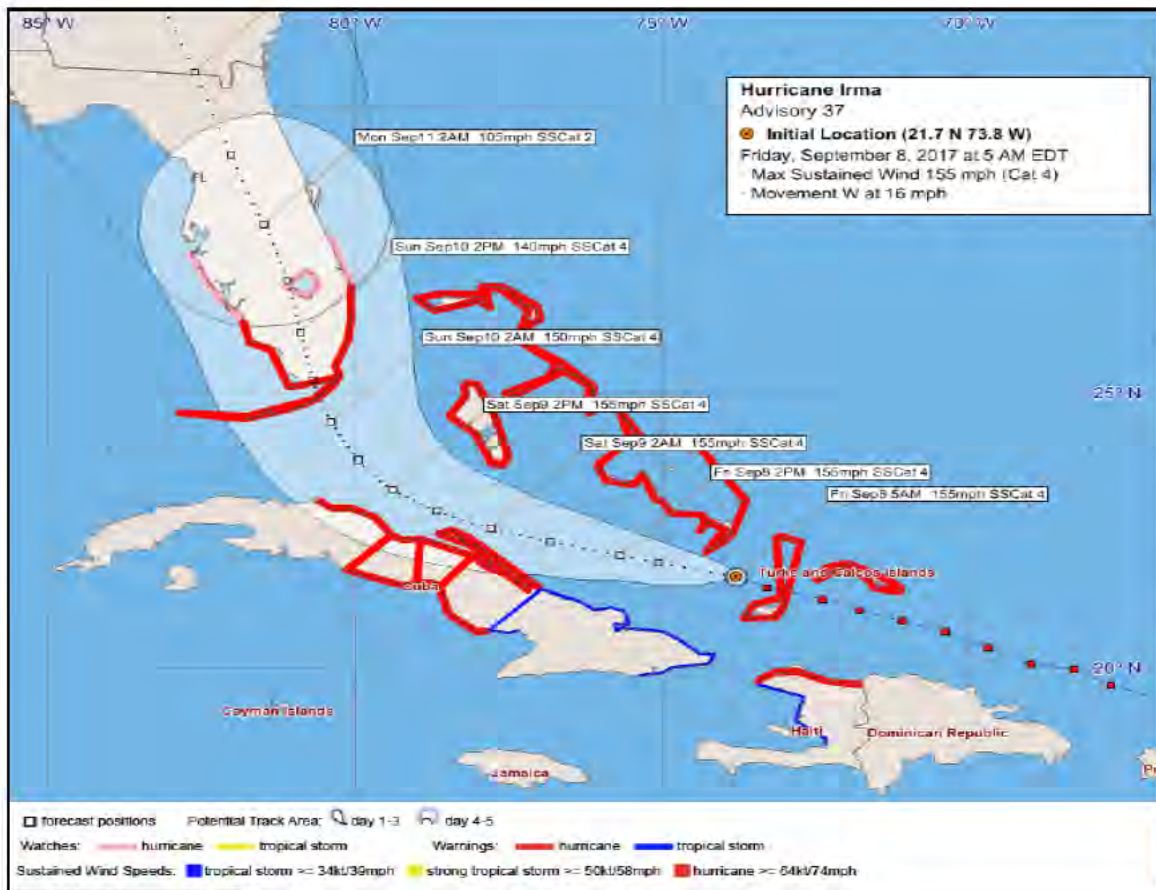
Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6	Puerto Rico
ESF #5 9/5/2017 MA being finalized	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,000	51	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from Everglades City to Fort Myers
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1	St. Augustine, FL
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	on standby if needed	(25 personnel) Irma QRT2 25 OLES	Irma QRT1 25 NPS (IMR SET, PWR SET, 2 Single Resource) on standby as of 1500, Sept 7 to deploy to VI/PR  Irma QRT2 demoblizing from Houston to arrive at Moody AFB, GA by Sept 10
GA-17083101- USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12	Georgia coast

SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	SC coast
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**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 8, 2017*



HURREVAC Image

As of 5:00 a.m. EDT, Hurricane Irma was located about 55 miles to the northwest of Great Inagua Island and moving to the west-northwest at 16 miles per hour (mph). This general motion is expected to continue for the next couple of days with some decrease in forward speed. A turn toward the northwest is expected by late Saturday. On the forecast track, the eye of Irma should continue to move westward away from the Turks and Caicos Islands and toward the southeastern Bahamas this morning. The core of the hurricane be near the Florida Keys and the southern Florida Peninsula Sunday morning. Maximum sustained winds are near 155 mph with higher gusts. Irma is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 hurricane during the next couple of days. Hurricane-force winds are

extending outward up to 70 miles, and tropical storm-force winds extend outward up to 185 miles.

A Hurricane Watch is in effect for north of Jupiter Inlet to Sebastian Inlet, north of Bonita Beach to Anna Maria Island, Cuban provinces of Guantanamo, Hoguín, Las Tunas and Matanzas.

A Hurricane Warning is in effect for Jupiter Inlet southward around the Florida peninsula to Bonita Beach, Florida Keys, Lake Okeechobee, Florida Bay, Haiti from the northern border with the Dominican Republic to Le Môle St. Nicolas, southeastern Bahamas and the Turks and Caicos Islands, Cuban provinces of Camaguey, Ciego de Avila, Sancti Spiritus, and Villa Clara, and central and northwestern Bahamas.

A Storm Surge Watch is in effect for north of Jupiter Inlet to Sebastian Inlet and north of Bonita Beach to Venice.

Irma is expected to produce total rainfall accumulations of 8 to 12 inches in southeastern Florida and the upper Florida Keys, with isolated amounts of 20 inches possible. The lower Florida Keys could see rainfall amounts of 2 to 5 inches, and portions of northeastern Puerto Rico, the U.S. Virgin Islands, and the British Virgin Islands could receive an additional 2 inches of rain. Portions of the Bahamas and the Turks and Caicos Islands could receive up to 20 inches of rainfall. This rainfall may cause life-threatening mudslides and flash flooding. The combination of a life-threatening storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach 5 to 10 feet above ground in portions of the Florida Keys and the southern Florida peninsula. Locations in the Bahamas and the Turks and Caicos Islands could see a storm surge of up to 20 feet.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #9 (Search and Rescue)**

- *ESF #9 – National Park Service (NPS):* The NPS representative for the Federal Search and Rescue Group (FSARCG) arrived in Florida on September 7. The base of operations is St. Augustine and co-located with the FEMA Red Incident Support Team.

#### **ESF #13 (Public Safety and Security):**

- *ESF #13 – Office of Law Enforcement and Security (OLES):* DOI Irma Quick Response Team (QRT) #1 is currently on standby to deploy to Puerto Rico and the U.S. Virgin Islands via air transportation. The team was placed in a standby status yesterday, with no estimated deployment time provided. Irma QRT #2 was demobilized from Houston yesterday and will be placed in a travel status en route to Moody Air Force Base in Georgia to pre-stage, satisfying DOI's requirement to have 1 team pre-staged.

## **DOI Bureau and Office Reporting:**

### **National Park Service Hurricane Irma Update**

*Source: National Park Service – September 7, 2017*

The NPS is reporting that parks in the Caribbean are working to assess the damage from Hurricane Irma and establish communication with all of their employees. NPS is reporting the following updates:

- *San Juan National Historic Site (Puerto Rico):* The park has been assessed and found to be safe. The park will reopen today.
- *Saint Croix:* An assessment has been conducted, and the park has been deemed safe. The park could reopen today during normal operating hours.
- *Virgin Islands National Park:* There have been no injuries reported, but there has been extensive damage to several park homes and park buildings. Arrangements are being made to house those who have been displaced. The park headquarters building is currently without telephone and power, and communication is taking place via a satellite phone. Travel plans are in place to send 13 members from the San Juan National Historic Site to the Virgin Islands National Park. The flight is scheduled for this morning. The team will be traveling to make an assessment on what resources are needed.
- *Florida and South Carolina Parks:* The majority of parks in Florida are closed, and many parks in South Carolina are closing today.

### **Bureau of Indian Affairs Hurricane Irma Update**

*Source: Bureau of Indian Affairs (BIA) – September 7, 2017*

BIA is continuing to monitor the progress of Hurricane Irma and conduct Tribal Assistance Coordination Group (TAC-G) calls as needed. The BIA Eastern Regional Office has been in contact with the Florida Tribes to ensure that their traditional members were aware of the situation and being cared for. The Indian Health Service (IHS) has shared a resource list with the Tribes in the potential impact area that contained items that are currently available at the IHS warehouse, and the American Red Cross is working on numerous requests from Tribes, including food and drinking water requests. The Division Chief of BIA Land Mobile Radio provided important information during yesterday's TAC-G call, including contact information for the BIA Land Mobile Radio help line in case the tribes have questions. The Tribal Desk at the NRCC will be operational during the daytime hours. The following Tribal updates have been provided:

- *Seminole Tribe of Florida:* The Tribe is monitoring the progress of Irma and is taking protective measures, assuring food/water/ice contingency plans, and establishing points of distribution. The Tribe has indicated the possible need for communications, radio, and law enforcement assistance from the Bureau of Indian Affairs.



- *Miccosukee Tribe of Indians of Florida:* The Tribe provided an updated briefing on the flood potential and the flooding impact to Tribal housing. The Tribe has been in coordination with the U.S. Army Corps of Engineers and local water authority representatives. The Tribe will also coordinate with partners in case pumps are needed to reduce flooding.
- *Catawba Indian Nation:* The Tribe is reporting a need for drinking water assistance, and will discuss solutions with the American Red Cross. The State of South Carolina has declared a State of Emergency, and the Tribe was named in the Emergency Declaration.
- *Poarch Band of Creek Indians:* The Tribe is currently monitoring the progress of the storm, in case the hurricane moves towards southwestern Alabama.
- *Eastern Band of Cherokee Indians:* The Tribe is now in the projected path of the hurricane and have begun storm preparations. The State of North Carolina has declared a State of Emergency.

### **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service – September 7, 2017*

The U.S. Fish and Wildlife Service (USFWS) is reporting that there are approximately 100 USFWS stations in Hurricane Irma's estimated track. Currently, 18 stations will be closed by the close of business today: Puerto Rico: Caribbean Islands NWR Complex (9 stations), Caribbean Ecological Field Offices and Caribbean LCC, Florida: Florida Keys NWR Complex (4 stations), Southwest Florida Gulf Coast Complex (2 stations), Merritt Island NWR Complex (3 stations), Arthur R. Marshall Loxahatchee NWR Complex (2 stations), Okefenokee National Wildlife Refuge Complex (2 stations), Everglades Headwaters National Wildlife Refuge Complex (3 stations), South Florida Vero Beach Ecological Services Field Station, North Florida Jacksonville Ecological Services Field Station, Peninsular Florida Fish and Wildlife Conservation Office, Welaka National Fish Hatchery, Georgia: Georgia Townsend Ecological Services sub-office (beginning Monday, Sept 11), and South Carolina: Bears Bluff National Fish Hatchery.

At least one refuge (Culebra NWR), has been heavily impacted from Hurricane Irma already.

### **DOI Telecommunication Irma Update**

*Source: DOI Office of Chief Information Officer – September 7, 2017*

There is no change in status. There are currently still 20 DOI sites without network services including the NPS, USGS and FWS, across the Caribbean and Florida.

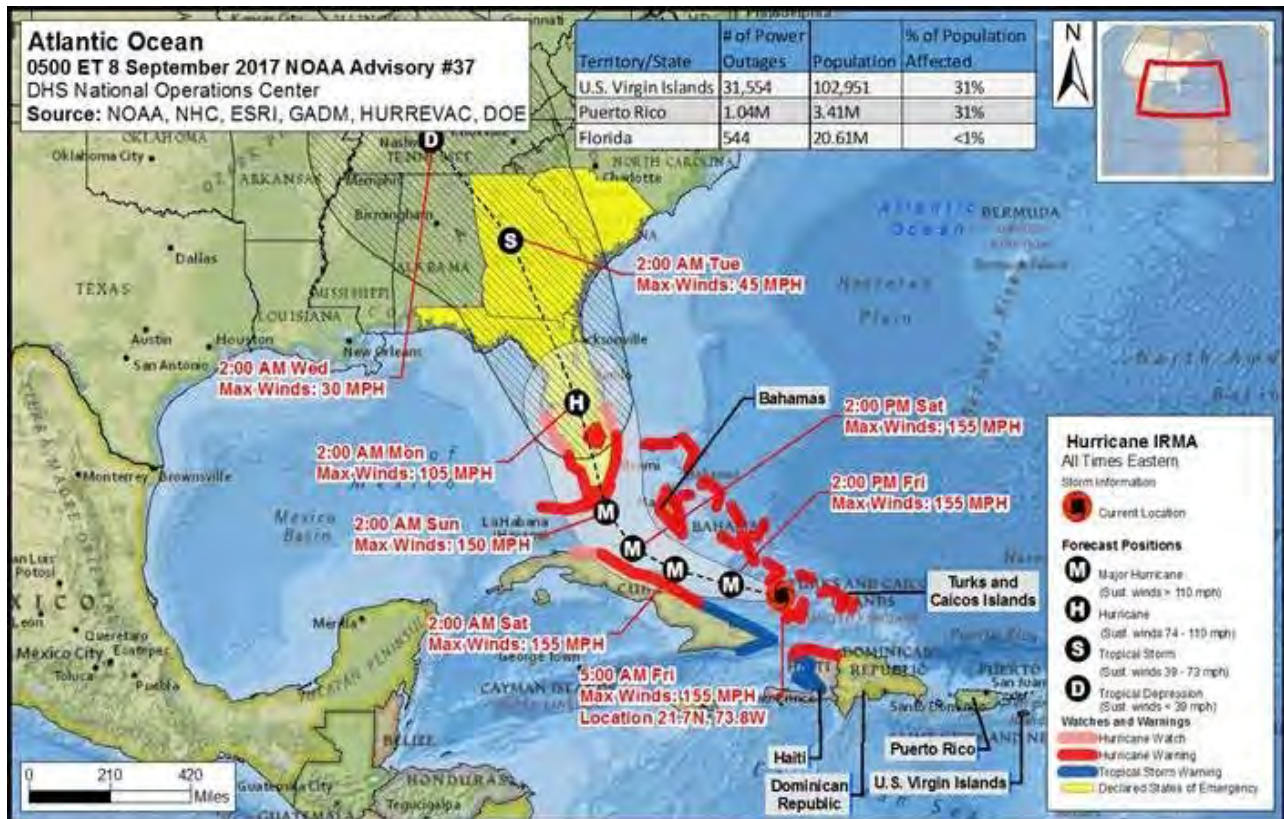
**Other Federal and State Government Reporting:**

**DHS National Operations Center Hurricane Irma Update**

*Source: DHS National Operations Center – September 7, 2017*

As of September 8, There are 217 shelters open in Puerto Rico (PR) with 4,245 occupants and four shelters open in the U.S. Virgin Islands with 302 occupants. Florida has 2,324 hurricane approved shelters identified to handle 1,087,591 evacuees and plans to begin opening shelters today. Florida (FL) has 4,000 National Guard members and 17,000 volunteers to support shelter operations. The American Red Cross has resourced response for 120,000 shelter occupants with shelter and feeding materials staged in FL, North Carolina (NC), Georgia (GA), PR, and the US Virgin Islands (USVI). GA, South Carolina (SC), and NC have identified available shelters and capacities with no anticipated shortfalls at this time. Mandatory evacuations are in place for Miami Dade, Broward, Collier, and Monroe Counties. Mandatory evacuations for Martin County, FL and the GA coast will begin on September 9.

All the airports in PR and the USVI are open with the exception of Cyril E. King Airport on St. Thomas. There are three ports open in the USVI, and four remain closed. All ports are open in PR, except for two which remain closed. All Key West and Miami ports are open with restrictions. Amtrak will stop operations between Miami and Orlando from September 8-10.



DHS Graphic

**Department of State Support for U.S. citizens on St. Martin**

Source: U.S. Department of State – September 8, 2017

Department of State (DoS) and the Department of Defense are coordinating options to support 3,000-6,000 U.S. Citizens on St. Martin requiring evacuation or mass care support. The DoS Crisis Management and Strategy team has been in contact with the DoD to discuss U.S. military support for potential evacuation operations. Military capabilities are being considered alongside commercial and other private sector options. DoS is standing up a crisis task force this morning, Friday, September 8, to coordinate the department’s response to Hurricane Irma.

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 7, 2017:**

There are currently a total of 161 DOI Personnel supporting the response under the FEMA mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b># of DOI Personnel</b>	<b>Location of Personnel</b>
ESF#4 8/28/2017 4332DR-TX-USFS-04"	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	(29 total) 7 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/25/2017 TX-17082301-DOI-01 (original) and 4332DR-TX-DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	(8 total) One 24/7 position supported by 8 DOI personnel	FEMA HQ SILC activation under Harvey has transitioned to an activation under Irma starting 09/05/2017

ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	(19 total) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX along the coast through the Houston impact area
ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000	6 personnel flagging HWMs.	southwest Louisiana
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX Activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF #11 8/25/2017 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ

<p>ESF #13 8/28/2017 4332DR-TX- USDJ-01</p>	<p>Office of Law Enforcement and Security</p>	<p>Provide Law Enforcement Support for ESF-8 and ESF-9</p>	<p>DOI Sub- tasked \$600,000 under total ATF ESF- 13 MA \$5.6m</p>	<p>(95 total) QRT 2 : DEPLOYED 28 AUGUST 10 - BLM 13 - BIA 2 - OLES  QRT 3 : DEPLOYED 1 SEPTEMBER 13 - BLM 12 - FWS Refuge  QRT 5 : DEPLOYED 1 SEPTEMBER 12 - FWS Refuge 7 - NPS 4 - BLM 1 - OLES  QRT 6 : DEPLOYED 1 SEPTEMBER 21 - FWS OLE</p>	<p>QRT 1 (25 personnel) demobilized 4-5 September.  QRT 2 is assigned to a direct Federal assistance (DFA) mission in Humble, Texas and will continue to RON at ESF-13 provided lodging in Houston.  QRT 4 (22 personnel) has been demobilized and will travel from Houston to Moddy AFB, GA on Sept 8 for IRMA Misison assignment standby (team will be augmented on Irma MA to fill 25- person roster). QRT 6 is assigned to a Fed-to-Fed mission supporting ESF-8 in Port Arthur, Texas. They are in travel status to Port Arthur and will be operational today. They will RON in ESF-13 provided lodging in Port Arthur.  QRT 6 is assigned to a Fed-toFed mission supporting ESF-8 in Port Arthur, Texas. They are in travel status to Port Arthur and will be operational today. They will RON in ESF-13 provided lodging in Port Arthur.  QRTs 3 and 5 are awaiting assignment at base camp in Houston.</p>
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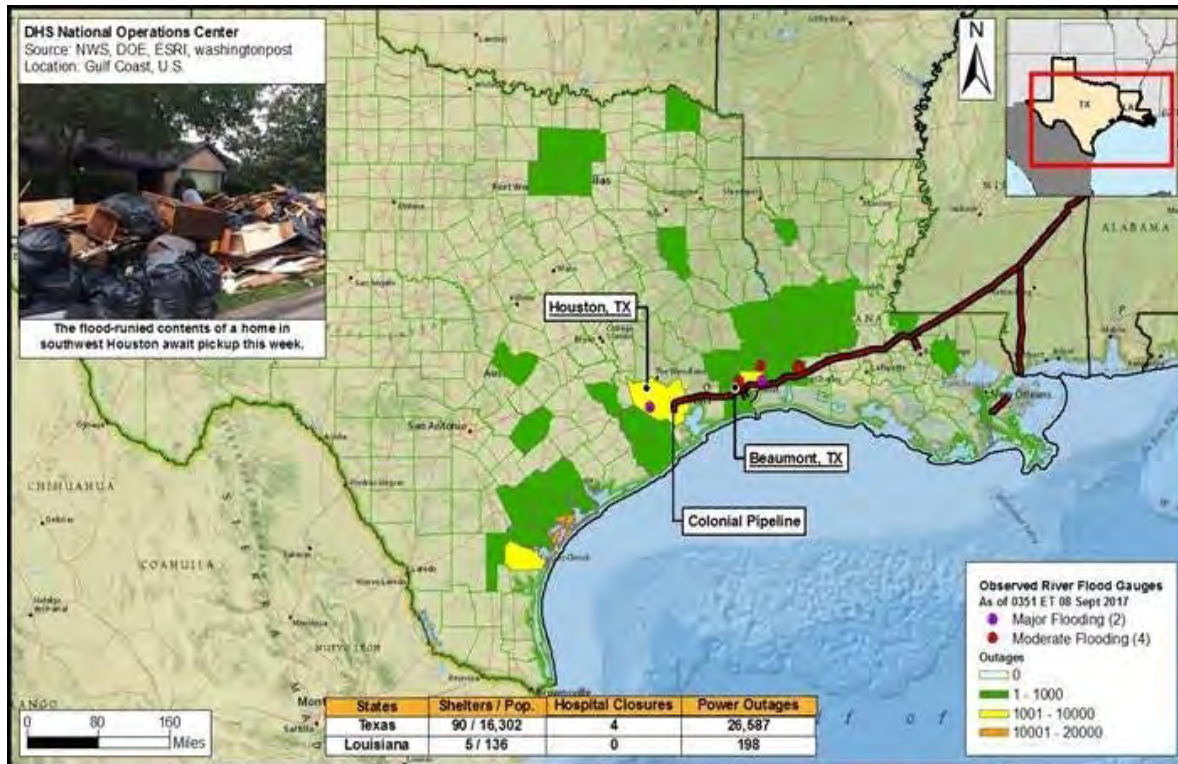
ESF #8	National Park Service (NPS)	Support patient movement and HHS Operations Center		2 personnel: one in TX and one in DC	3 personnel total deployed for mission assignments under ESF-8 for Harvey. 1 officer has returned home and is on alert for Irma. The other 2 remain on Harvey assignments
ESF #15 09/03/2017 4332DR- TX_DOI-09	Office of Communications	Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	Currently working with OCO to identify Public Affairs SME to support	Austin, TX
RSF Natural Cultural Resources 4332DR- TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10	Austin, TX

**General Situation:**

Source: DHS National Operations Center and Federal Emergency Management Agency – September 8, 2017

Response and recovery efforts continue throughout the Gulf Coast of Texas and Louisiana. Rivers continue to recede in the region; however, flooding continues to hamper recovery activities.

The DOE estimates 26, 587 customers in Texas remain without power. Several refineries have reported integrity reviews are complete and restart procedures have begun. The Colonial Pipeline has restarted. Transporting fuel from Texas to the East Coast.



DHS Graphic

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #4 (Firefighting)**

- ESF #4 – U.S. Fish and Wildlife (FWS): The Department is providing logistical support to multiple Incident Support Bases. FWS currently has 21 personnel deployed for ESF # 4, in support of Harvey.

### **ESF #5 (Information and Planning)**

- ESF #5 USGS: Twenty-Seven USGS personnel (from Texas, Florida, Arizona, Oklahoma, and New Mexico) worked under MA TX-17082301-DOI-01 yesterday. One hundred and fifty high water marks (HWMs) have been flagged, and 97 HWMs have been surveyed. Seven personnel from Louisiana were also in the field conducting work under MA 3382EM -LA-USGS-01.

### **ESF #9 ( Search and Rescue)**

- ESF #9 – U.S. Fish and Wildlife (USFWS): The Department has been asked to ensure all available nationwide assets be offered up to FEMA to address the need. (*Service POC: Headquarters Chief of Emergency Management & Physical Security (EM & PS)--Terrina Harford*).

The Department is anticipating a Mission Assignment for Unmanned Aircraft System pilots in support of ESF # 9 for Hurricane Irma response.

**ESF#11 (Agriculture and Natural Resources):**

- *ESF #11 (OEPC):* U.S. Department of Agriculture (USDA) staff are activated in FEMA Region II, FEMA Region IV, and Region VI. FEMA Region I has been activated to Level III to monitor activity. One employee from BLM is currently working under the ESF #11 mission assignment to assist USDA in staffing the NRCC. No additional OEPC or DOI employees are deployed for either ESF #10 or ESF #11 at this time.

**ESF#13 (Public Safety and Security):**

- *ESF #13 – Office of Law Enforcement and Security (OLES):* ESF#13 operations yesterday included 73 Federal Law Enforcement Officers (FLEOs) providing site security and force protection to ESF#8, 25 FLEOs providing force protection for ESF #9, and 638 FLEOs providing direct federal assistance (DFA) to local police departments. A total of 792 officers have been demobilized as of September 7.
- *ESF #13 – U.S. Fish and Wildlife (USFWS):* ESF #13 is trying to get the STANDBY list up to 1,000 Federal law enforcement officers for standby to respond to Hurricane Irma. It currently stands at 343. (*Service POC: Headquarters Chief of Refuge Law Enforcement-- Katherine Korte*). A team of 25 FWS OLE (with a few changes/additions) is the reassigned DOI HARVEY QRT 4. They were demobilized in Houston on September 7 and will be placed in travel status September 8, en route to Moody Air Force Base near Valdosta, Georgia to pre-stage, satisfying DOI's requirement to provide one (1) team to pre-stage. Report date at Moody is Sunday, September 10. FWS Refuge Law Enforcement currently has 24 FWOs LEOs deployed, in support of Harvey. FWS Office of Law Enforcement currently has 43 LEOs deployed, in support of Harvey.

**DOI Bureau and Office Reporting:**

**United States Fish and Wildlife Service Harvey Update**

*Source: United States Fish and Wildlife Service (FWS)– September 7, 2017*

Currently, there were a total of 231 employees in affected in the Texas regional area. Regional Office Incident Management Team has determined that the following offices still experiencing losses and are required to report in:

- *Aransas NWR* - The facility is closed and most employees are back in their homes and the power has been restored. Engineers are conducting damage assessments; some employees are expecting Federal Emergency Management Agency trailers early next week.



- Texas mid-Coast NWRC - The facilities are closed and most employees are back to work. Upcoming teal hunting season will likely be impacted due to excessive water in the refuge and on roads
- Texas Chenier Plains (TCP)NWRC -The facilities are closed and will tentatively reopen on Saturday September 9. Employees are reporting to work today and finalizing the stabilization of boat launch on Anahuac. Also, there are additional Law Enforcement presence on TCP and they will remain due to public use. The teal hunting season is upcoming and will likely be impacted due to effects of the hurricane.

The R2 Incident Management Team (IMT) currently has 33 personnel and 12 equipment resources assigned. 310 of our 485 assets have been assessed. R2 are getting cost estimates for repair/replacement.

### **Other News and Notes**

- FWS employees are starting to receive questions regarding the status of upcoming hunts on refuges. Scheduled teal hunt will be closed on Texas mid-coast due to county recreational boating moratorium.
- All refuges will be excluded from DoD and FEMA mosquito spraying which is scheduled to start next week.
- R2 is happy to report no accidents as we are into Day 14 of the response effort. They remind responders to be especially careful when driving due to fatigue from the long hours during their deployments.

### **United States Geological Survey Hurricane Harvey Update**

Source: United States Geological Survey – September 7, 2017

Fifteen personnel from the USGS Texas Water Science Center (TXWSC) were in the field yesterday making discharge measurements, taking water quality samples, and performing gage repairs. Teams are comprised of 14 personnel from TXWSC and one person from Kansas WSC.

### **DOI Telecommunication Harvey Update**

Source: DOI Office of Chief Information Officer – September 7, 2017

In the Harvey recovery zone. Two DOI sites remain without network services including the NPS and FWS.

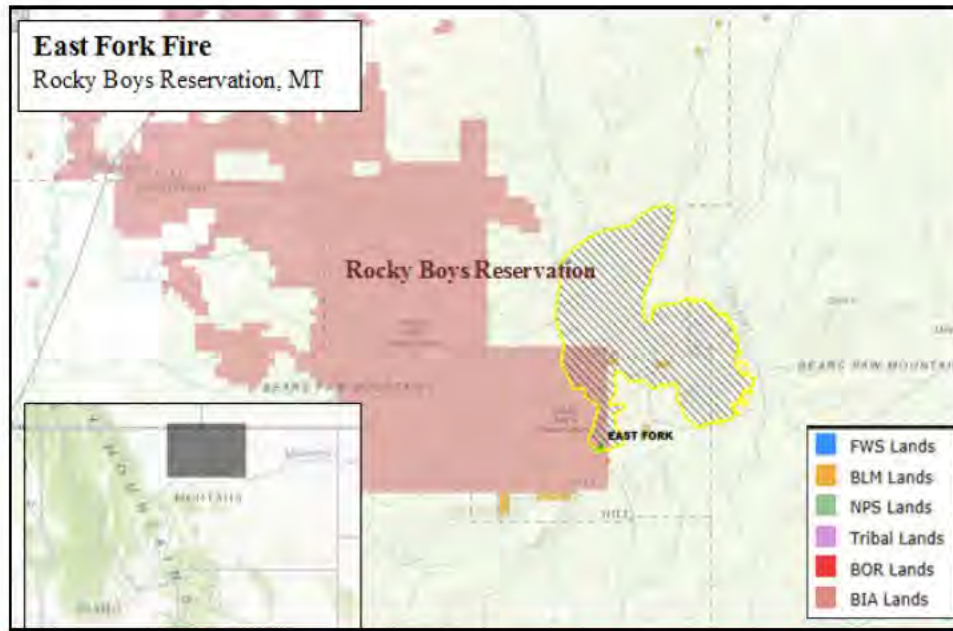
### **Wildland Fire Activity**

Source: Fire and Aviation Management Website - September 8, 2017

The **Painted Hill Fire** (Montana) has reached a 100% and will no longer be reported.

## **Montana**

### **East Fork Fire**



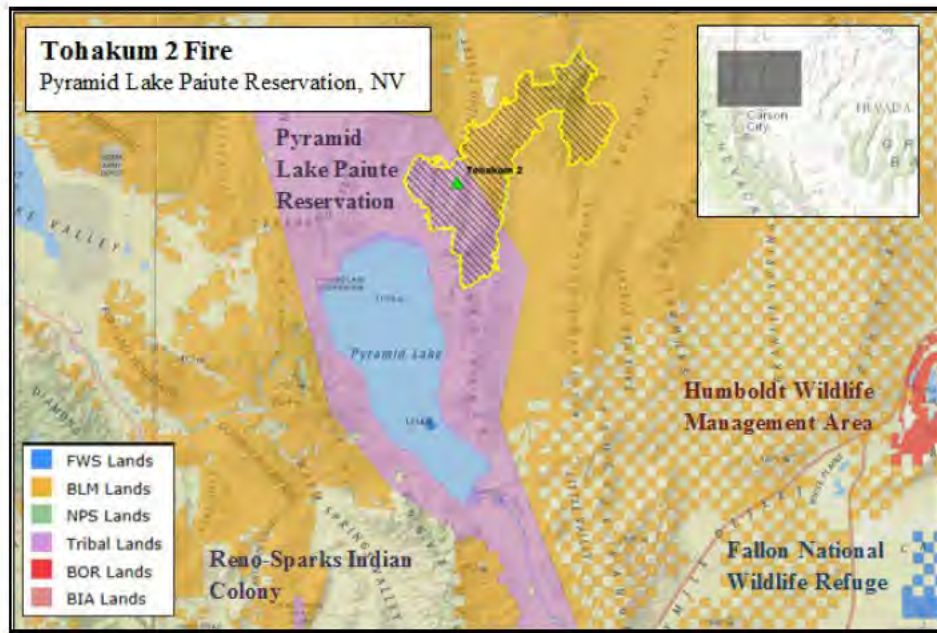
*IGEMS Image*

- Start Date: August 27
- Location: Rocky Boys Reservation, MT (BIA)
- Burned Acres: 21,518 (no change)
- Containment: 90-percent (no change)
- Management: Type-1 IMT
- Personnel Assigned / DOI: 303 (+13) / 76 (-1)
- Structures Threatened-Single-Mixed Residential / Commercial: 50 (no change) / 0 (no change)
- Evacuations / Shelter in place: 120 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 17

Comments: Fire behavior was described as minimal during this reporting period, with smoldering. Evacuation remains in effect for Beaver Creek County Park Area. There is no fire spread anticipated. Operations will be transferring to a Type 3 Team.

## Nevada

### Tohakum 2



IGEMS Image

- Start Date: August 29
- Location: Washoe, NV (BIA)
- Burned Acres: 94,221 (no change)
- Containment: 95-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 152 (-62) / 47 (-5)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 9

Comments: Fire behavior is described as minimal, with no fire growth fire observed. There was little to no growth over the last reporting period due to holding actions and containment. The fire will transition back to a Type 4 Incident.

**Washington**

**Bridge Creek Fire**



IGEMS Image

- Start Date: August 9
- Location: Colville Reservation, WA (BIA)
- Burned Acres: 3,711 (no change)
- Containment: 95-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 244 (-23) / 28 (-4)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 7 (no change) / 0 (no change)
- Containment Date: September 20

Comments: Fire behavior was described as moderate during this reporting period with smoldering, and creeping. Roads are closed to assist with firefighter safety. Scheduled to transition to a IMT Type 3 September 8.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 10
Tungsten	Churchill, NV	BLM	3	17,000	50%	September 9

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – September 8, 2017*

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (172 new fires)
New large fires:	8
Large fires contained:	4
Uncontained large fires: **	48
Area Command Teams committed:	2
NIMOs committed:	2
Type 1 IMTs committed:	17
Type 2 IMTs committed:	25

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 7, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 7, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 7, 2017*

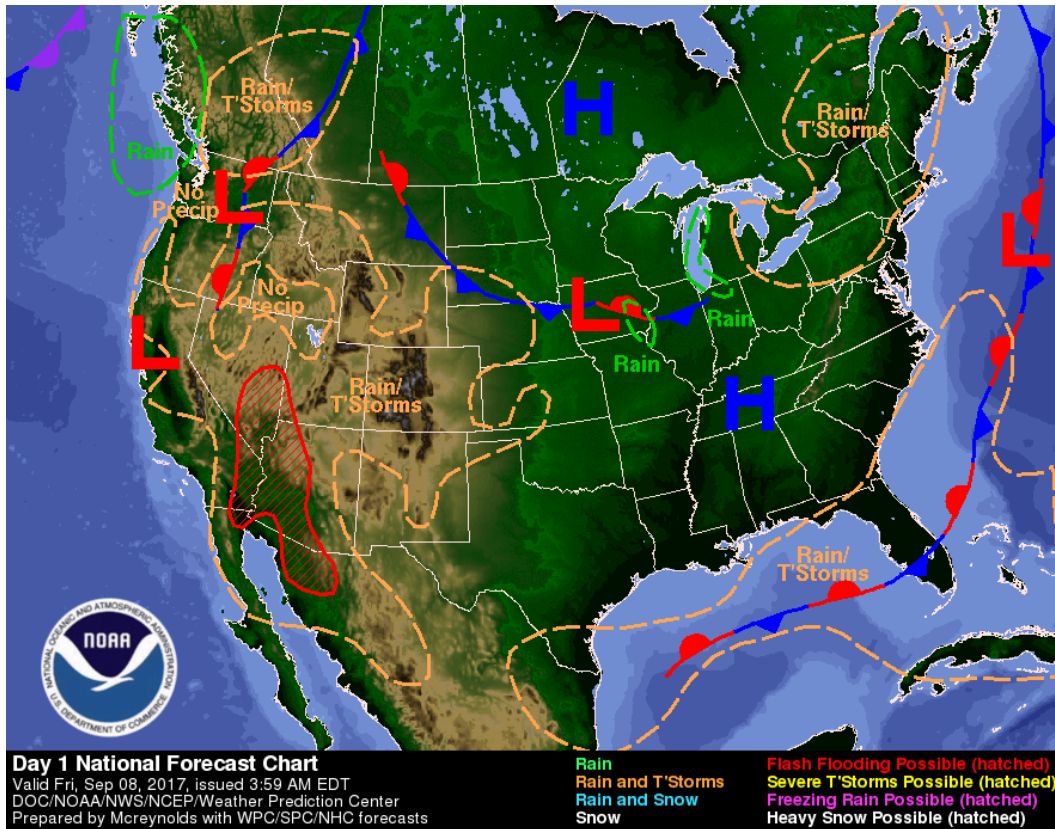
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

# Significant National Weather

Source: National Weather Service - September 8, 2017



## Today

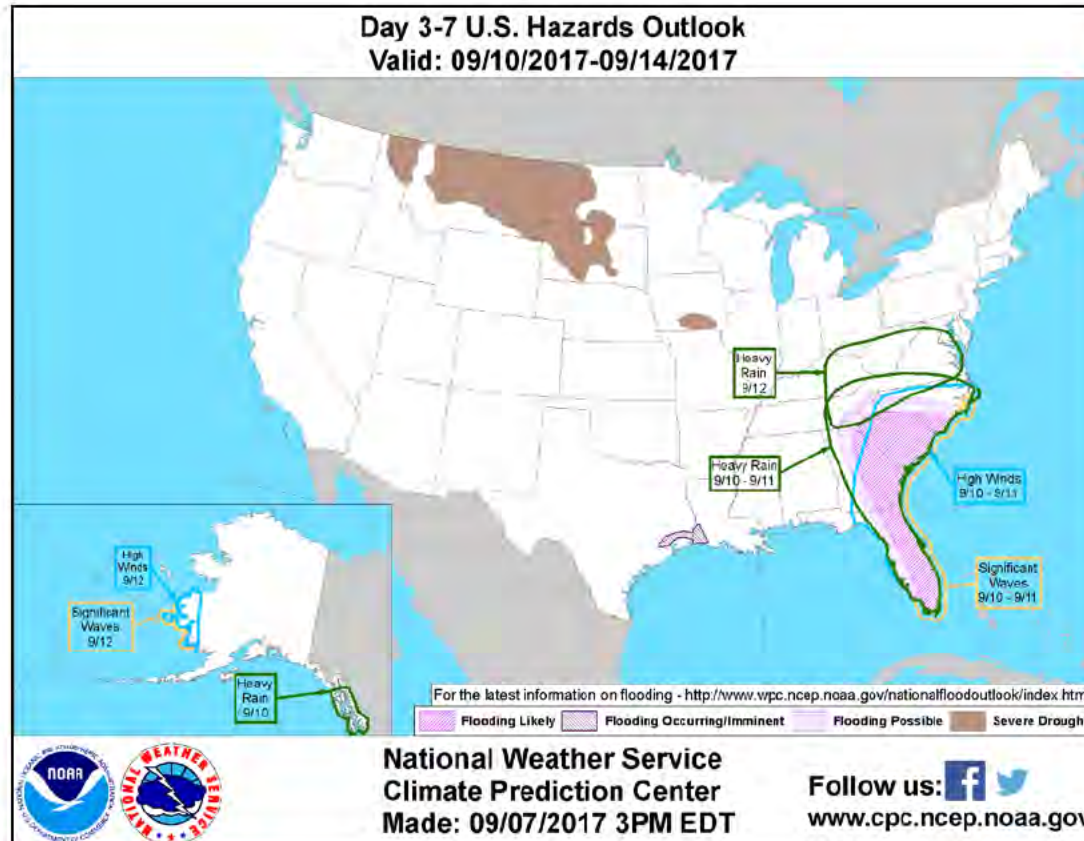
Severe storms and heavy rain will impact southern Florida by early Saturday as Irma closes in. Rain showers and thunderstorms continue over Great Lakes region and Midwest. Elevated fire weather and dry thunderstorms will affect the northern Plains and the Rockies thru the weekend. Red flag warnings cover portions of Montana, Oregon, Utah; smoke blankets cover the Northwest. Rain showers and thunderstorms are possible for the Southwest; flash flooding is a large concern. Some storms along the California, Arizona and the Nevada border could become severe.

## Tomorrow

Rain intensity and thunderstorms will increase for southeast Florida as Irma closes in from the southeast. Flash flooding and severe storms will be possible over southern areas of the state. To the north, rain and thunderstorms will extend across New England. High pressure will continue to bring gorgeous weather to most of the eastern US. Rain will increase over Northwest as new cold front approaches from the west. Elsewhere, afternoon and evening showers and thunderstorms will develop across the Four Corners, Southwest, central Plains, Rockies, northern

California and Northwest. Flash flooding is possible for the border area of California, Arizona and Nevada.

### Weather Hazard Assessment



- September 10: Heavy rain across southern portions of the Alaska Panhandle.
- September 10-11: High winds across portions of the Southeast, the mid-Atlantic, and the southern Appalachians.
- September 10-11: Heavy rain across portions of the Southeast, the mid-Atlantic, the southern Appalachians, the Ohio Valley, and the Tennessee Valley.
- September 12: Heavy rain across portions of the central and southern Appalachians, the Ohio and Tennessee valleys, and the mid-Atlantic
- September 12: High winds across western portions of Alaska.
- September 12: High significant wave heights for coastal portions of western Alaska

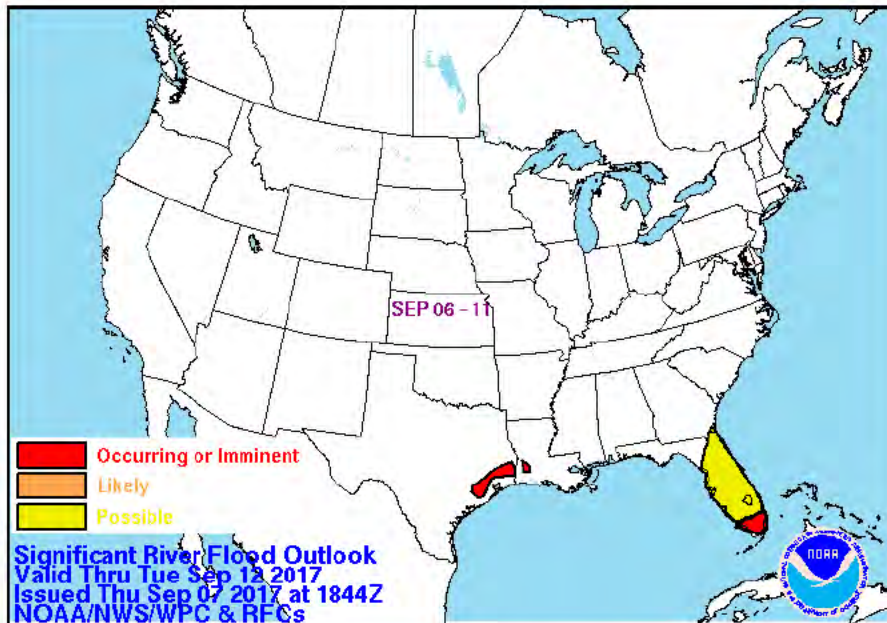


## Alaska Weather



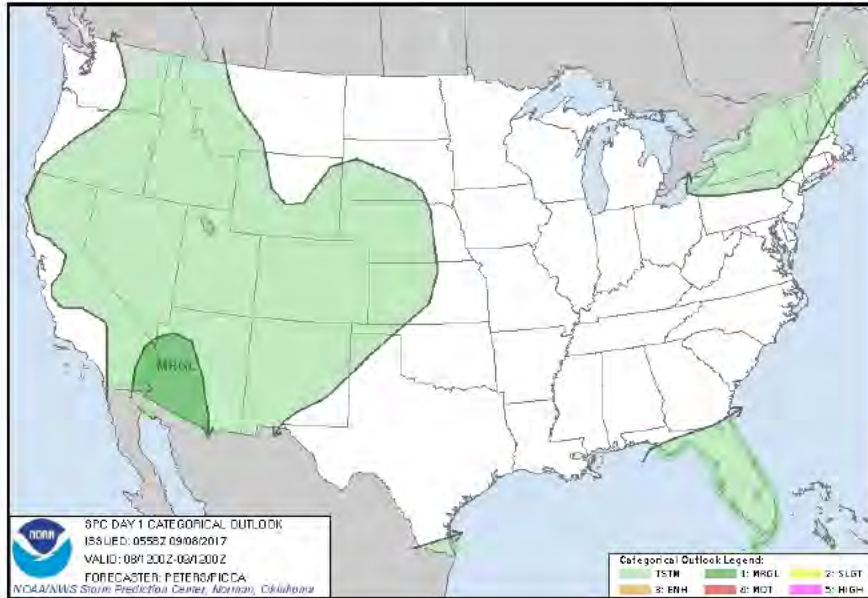
A Small Craft Advisory is in effect North and West of Nunivak Island to Etolin Strait, from Dall Point Wales to Demarcation point; from Nikolski to Cape Sarichef, and from Cape Cleare to Cape Decision.

## Significant River Flooding



Flooding occurring or imminent for parts of the Texas Gulf Coast, western Louisiana and southern tip of Florida. Flooding is possible in Florida.

## Severe Weather

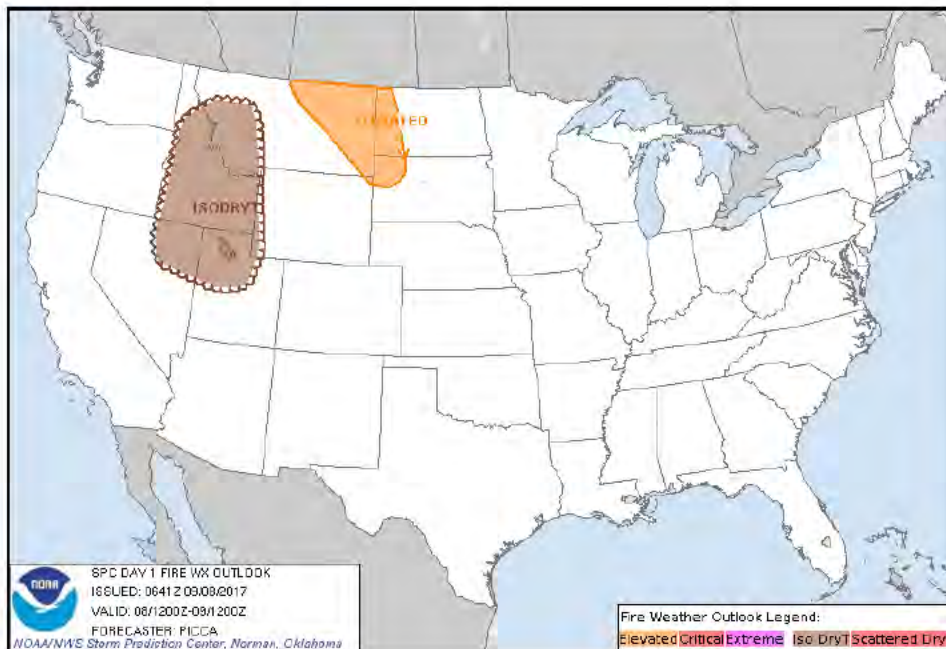


There is a Marginal Risk of severe thunderstorms this afternoon and evening across western and southern Arizona into southeast California.

## Tornado Weather

There is less than 2-percent chance of tornado activity in all areas today.

## Fire Weather

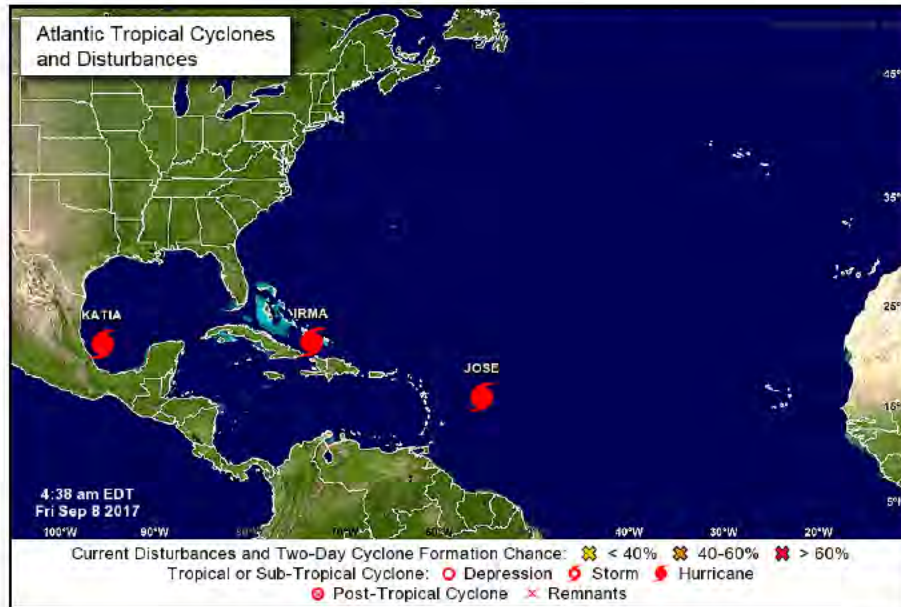


There is no Critical Fire Weather forecast for today; however there is elevated weather for northeastern Montana, western North Dakota, and northwestern South Dakota. There is a risk of Isolated Dry Thunderstorms in Idaho, western Montana, northeastern Nevada, and northern Utah.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 8, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

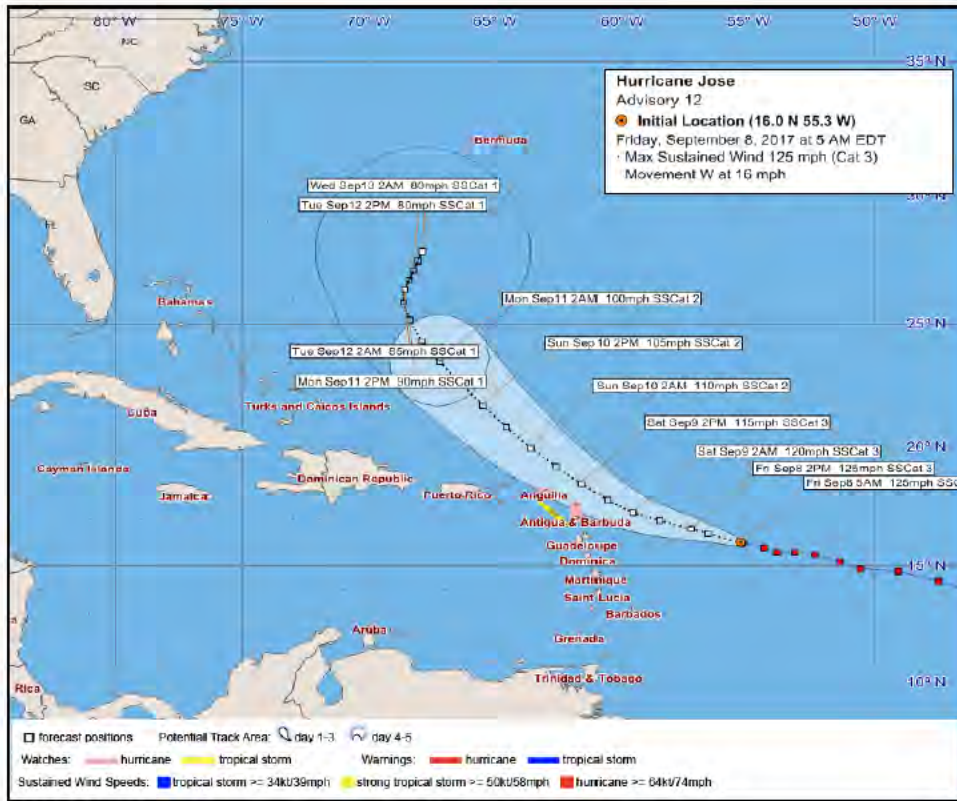


**Hurricane Irma:** Is summarized at the beginning of this report.

#### **Hurricane Jose**

At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 535 miles east-southeast of the northern Leeward Islands. Jose is moving toward the west-northwest near 16 mph and a slower west-northwestward motion is expected during the next couple of days.. On the forecast track, Jose is expected to be near the northern Leeward Islands on Saturday. Maximum sustained winds have increased to near 125 mph with higher gusts. Jose is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some slight strengthening is possible later today or tonight. Jose is expected to produce total rain accumulations of 2 to 6 inches in the Leeward Islands from Dominica to Anguilla. Isolated maximum amounts of 10 inches are possible in the northern Leeward Islands from Antigua and Barbuda to Anguilla. This rainfall will maintain any ongoing flooding and may cause additional life-threatening flooding.

A Hurricane Watch is in effect for Antigua, Barbuda, and Anguilla, St Maarten, St. Martin, and St. Barthelemy. A Tropical Storm Warning is in effect for Antigua, Barbuda, and Anguilla. A Tropical Storm Watch is in effect for Montserrat, St Kitts, and Nevis, Saba and St. Eustatius.



HURREVAC image

## Hurricane Katia

At 5:00 a.m. EDT, the center of Hurricane Katia was located about 170 miles east of Tampico, Mexico. Katia is moving toward the west-southwest near 3 mph and this general motion is expected to continue until the system makes landfall within the hurricane warning area by early Saturday. Maximum sustained winds have increased to near 90 mph with higher gusts. Some additional strengthening is forecast during the next day or so and Katia could be near major hurricane strength at landfall.

A Hurricane Watch is in effect for Cabo Rojo to Laguna Verde. A Tropical Storm Warning is in effect for north of Cabo Rojo to Rio Panuco and south of Laguna Verde to Puerto Veracruz.



HURREVAC Image

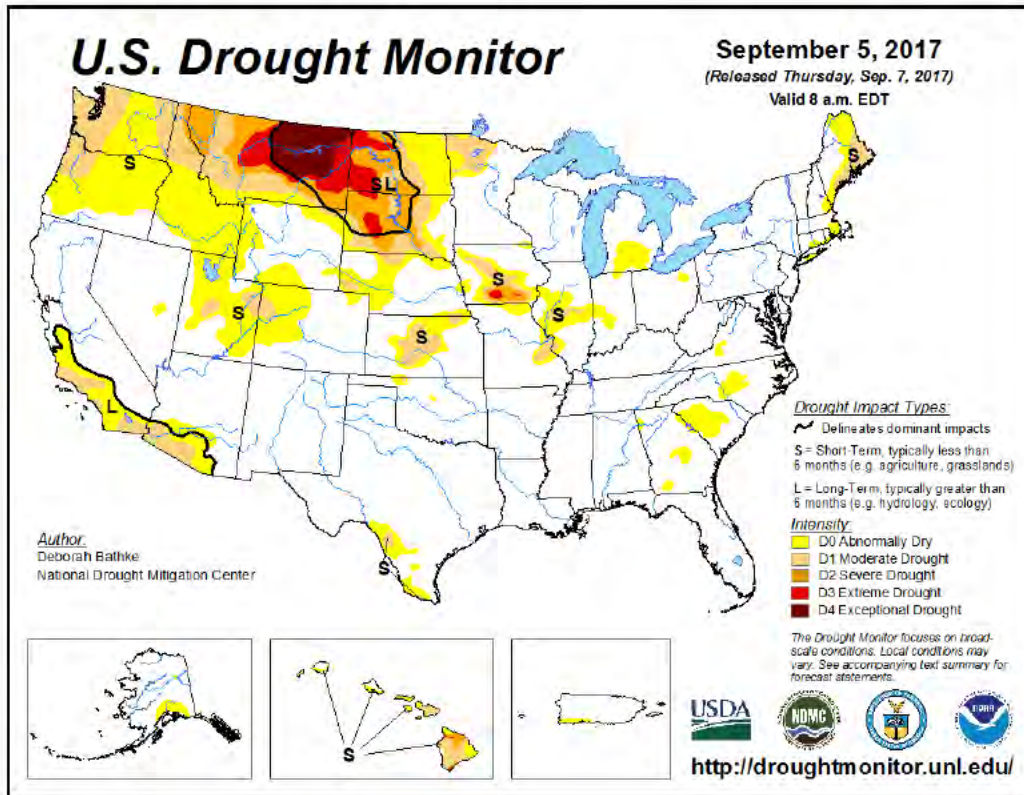
## Eastern Pacific Ocean

Tropical cyclone activity is not expected during the next 48 hours.

## U.S Drought Monitor

*Source: United States Drought Monitor – September 8, 2017*

This past week we saw an abundance of rainfall and historic flooding along the Gulf Coast as a result of Hurricane Harvey. After dumping record-breaking rainfall on the Texas coast, the remnants of Harvey tracked to the northeast, bringing excess rainfall from the lower Mississippi Valley to the mid-Atlantic states. Despite this, pockets of abnormal dryness continue to develop in the Southeast in areas that missed the bands of heavy rains. With Hurricane Irma approaching the United States, there is a potential for heavy rainfall to alleviate these conditions. While many eyes were on the devastation in Texas, the drought continued to intensify in the Pacific Northwest. Record-breaking heat and dry streaks have parched vegetation and fueled devastating wildfires across the region. Smoke from these fires traveled along the jet stream and stretched to the East Coast.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Monday, September 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 5  
Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 2 (Severe Operations)**

**Hurricane Irma - Florida**

**DOI Mission Assignments as of September 11, 2017:**

There are currently a total of 214 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico

ESF #5 9/7/2017 GA-17083101- USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC-17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL-17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ



<p>ESF- #13 MA#3385EM- FL-USDJ-01</p>	<p>Office of Law Enforcement and Security</p>	<p>Provide Law Enforcement Support for ESF-8 and ESF-9</p>	<p>DOI sub- tasked under DOJ's MA; total MA is \$7,269,245</p>	<p>(142 personnel total) DOI IRMA QRTS 1-6: 140 (NPS, FWS, USPP, OIG, OLES, BLM, BIA/Tribal) BIA BUNKHOUSE (2 - BIA support personnel)  QRT 7 on standby (25 personnel)</p>	<p>All DOI Teams except QRT 7 are deployed.</p> <p>DOI QRT 1 will report to Moody to await assignment on a Florida mission.</p> <p>DOI QRTs 2, 3, 5 are expected to report to Moody Tuesday morning, 12 September.</p> <p>DOI QRTs 2-6 will check in at Moody and receive forward deployment orders for a direct Federal assistance assignment to assist the Seminole Tribe. This is a first-ever approved disaster declaration for a tribe. Federal and local deputation will be processed on site. These teams are traveling under the original Florida Mission assignment, but will be reassigned to the Seminole MA when it is finalized between the tribe and FEMA.</p> <p>DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS-Refuge NPS PWR SET resources were released due to geography. Team will report to Moody AFB and be paired with another agency for a complete team.</p> <p>DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER 25 - OLES</p> <p>DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES</p> <p>DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER 25 - BLM</p> <p>DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER 25 - BIA/TRIBAL</p> <p>DOI IRMA QRT 6 :</p>
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					<p>DEPLOYED 10 SEPTEMBER  13 - FWS  5 - BLM  4 - NPS  2 - OIG  1 - OLES</p> <p>DOI IRMA QRT 7 :  STANDBY  25 - OLE</p> <p>BIA BUNKHOUSE:  DEPLOYED 8 SEPT  2 - BIA support personnel  This team received orders to  report to Moody Air Force Base  on Sunday, 10 September</p>
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**General Situation:**

Source: National Weather Service/National Hurricane Center – September 11, 2017

As of 5:00 a.m. EDT, Hurricane Irma was located about 60 miles north of Tampa, Florida and moving toward the north northwest at 18 miles per hour (mph) and this motion is expected to continue through Tuesday. On the forecast track, the center of Irma will move near the northwestern coast of the Florida Peninsula this morning, cross the eastern Florida Panhandle into southern Georgia this afternoon, and move through southwestern Georgia and eastern Alabama tonight and Tuesday.

Maximum sustained winds have decreased to near 75 mph with higher gusts. Additional weakening is forecast, and Irma is expected to weaken to a tropical storm this morning and to a tropical depression by Tuesday afternoon. Irma has a very large wind field. Hurricane-force winds extend outward up to 60 miles mainly to the west of the center, and tropical-storm-force winds extend outward up to 415 miles. The Mayport Naval Station near Jacksonville, Florida, recently reported sustained winds of 68 mph and a wind gust of 87 mph.

A Hurricane Warning is in effect for the Sebastian Inlet to Fernandina Beach and Anclote River to Indian Pass. A Hurricane Watch is in effect for North of Fernandina Beach to Edisto Beach. A Storm Surge Warning is in effect for South Santee River southward to Jupiter Inlet, Cape Sable northward to the Ochlockonee River, and Tampa Bay. A Tropical Storm Warning is in effect for West of Indian Pass to the Okaloosa and Walton County Line, north of Fernandina Beach to south Santee River, south of Anclote River to Bonita Beach, south of Sebastian Inlet to Jupiter Inlet, and Lake Okeechobee. A few tornadoes are possible across northeast Florida and southeast portions of Georgia and South Carolina through tonight.

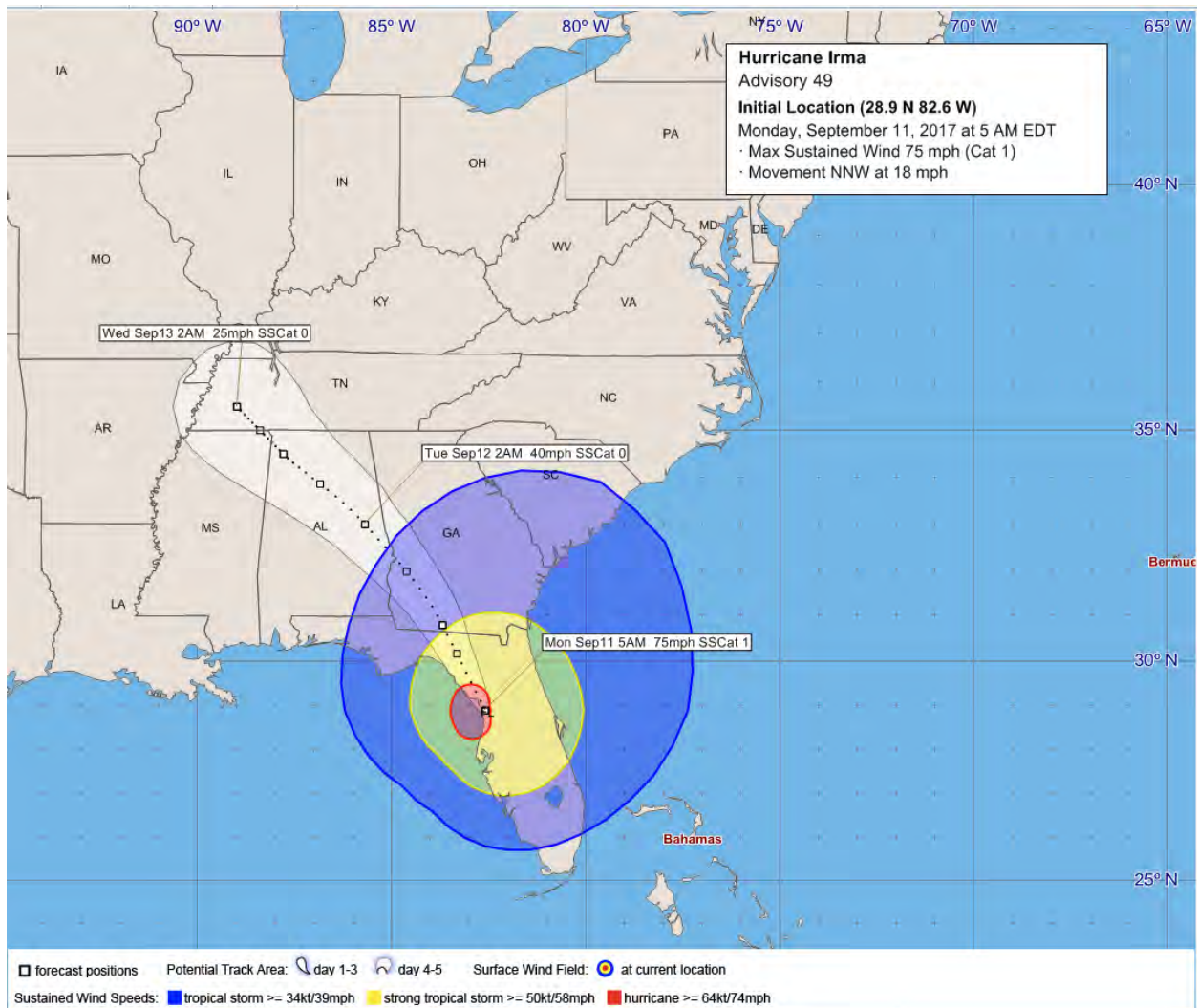
The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves.

The water is expected to reach the following heights above ground if the peak surge occurs at high tide:

- Cape Sable to Captiva: 2 to 4 feet
- Captiva to Anna Maria Island: 3 to 5 feet
- North Miami Beach to Cape Sable, including the Florida Keys: 1 to 2 feet
- Anna Maria Island to Clearwater, including Tampa Bay: 2 to 4 feet
- South Santee River to Fernandina Beach: 4 to 6 feet
- Clearwater Beach to Ochlockonee River: 4 to 6 feet
- Fernandina Beach to Jupiter Inlet: 3 to 5 feet

Hurricane Irma is expected to produce rainfall accumulations up to 25 inches through Wednesday. In all areas, this rainfall may cause life-threatening flash floods and mudslides. Irma is expected to produce the following rain accumulations through Wednesday:

- Florida Keys: an additional 1 inch
- Central Florida peninsula: additional 1 to 3 inches
- Northern Florida peninsula and southern Georgia: additional 3 to 6 inches with storm total amounts of 8 to 15 inches.
- Central Georgia, eastern Alabama and southern South Carolina: 3 to 6 inches, isolated 10 inches.
- Central Florida Panhandle, western Alabama, northern Mississippi, southern Tennessee, northern Georgia, northern South Carolina and western North Carolina: 2 to 4 inches.



HURREVAC Image

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #5 (Information and Planning)**

- *ESF #5 – United States Geological Survey (USGS):* In support of ESF #5, USGS personnel working under Mission Assignment (MA) GA-17083101-USGS-01 in Georgia are sheltering today, following deployment of 52 surge sensors and 10 rapid deployment gages (RDGs). USGS personnel working under MA-SC-17083101-USGS-01 in South Carolina are sheltering today, following deployment of 67 surge sensors and 10 RDGs.

### **ESF #9 (Search and Rescue)**

- *ESF #9 - National Parks Service (NPS):* The NPS continues to have one staff member working with the DOD, USCG, and FEMA in St. Augustine, FL supporting the Federal Search and Rescue Coordination Group on a Mission Assignment by FEMA.

## ESF #13 (Public Safety and Security)

- ESF #13 – Office of Law Enforcement and Security (OLES): DOI QRT 1 will report to Moody to await assignment on a Florida mission. DOI QRTs 2, 3, and 5 are expected to report to Moody Tuesday morning, September 12. DOI QRTs 2-6 will check in at Moody and receive forward deployment orders for a direct Federal assistance assignment to assist the Seminole Tribe. This is a first-ever independently approved disaster declaration for a tribe, as per the changes to the Stafford Act through the Sandy Recovery Improvement Act of 2013 (SRIA). Federal and local deputation will be processed on site. These teams are traveling under the original Florida Mission assignment, but will be reassigned to the Seminole MA when it is finalized between the tribe and FEMA.

### DOI Bureau and Office Reporting:

#### **National Park Service Hurricane Irma Update**

Source: National Park Service – September 10, 2017

The National Park Service (NPS) continues to monitor the progress of this storm and is standing by to respond to requests for assistance by Park Units, DOI Bureaus and Offices, or other Federal Agencies. The core of the storm passed over the Florida Keys on Sunday morning and is expected to move near or over the west coast of the Florida Peninsula through Monday morning. Irma should then move inland over northern Florida and southwestern Georgia Monday afternoon. The NPS's Eastern Incident Management Team (IMT) is mobilizing to provide assistance to affected parks. Team members are on the ground in the U.S. Virgin Islands coordinating debris removal to clear roads and provide access to park areas. As the hurricane passes in Florida and progresses into the southeast, the team will begin damage assessments as conditions allow. NPS is coordinating closely with the Federal Emergency Management Agency (FEMA) to support the federal response to Irma.

The table below shows the status of NPS park units as of 8:00 a.m. EDT today:

Park	State/ Territory	Status
Christiansted National Historic Site/ Buck Island Reef National Monument/ Salt River Bay National Historical Park and Ecological Preserve	VI	Closed (Pending Opening)
Virgin Islands National Park/ Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed (Pending Opening)
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed

Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed
South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Open
Congaree National Parks	SC	Closed
Fort Sumter	SC	Open
Reconstruction Era National Monument	SC	Open

- *Christiansted National Historic Site (CHRI)*: The park remains closed and is still without power. The site may open September 11 if power has been restored. Some staff from the USVI arrived on site.
- *Virgin Island (VIIS)*: The park remains closed and power was restored to some areas of the park. The NPS sent a seven person law enforcement SET Team from the northeast region to relieve the VIIS LE team, the Eastern IMT is coordinating.
- *San Juan National Historic Site (SAJU)*: The site sustained minor damage, Castillo San Cristobal is open; Castillo San Felipe is closed until further notice, pending restoration of power. Not all generators are working properly yet, however commercial power restoration is anticipated September 11.

### **U.S. Fish and Wildlife Service Hurricane Irma Update**

Source: U.S. Fish and Wildlife Service – September 10, 2017

The U.S. Fish and Wildlife Service (USFWS) reports that they have 72 stations closed at this time, 56 stations are due to Hurricane Irma. All employees are accounted for and safe at this time.

The USFWS IMT is planning to activate a North Carolina task force and divide it into an eastern and western portions of Florida. The portion of the IMT deploying to the western side of the state will be delayed due to the hurricane conditions. A Mississippi task force is scheduled to deploy as well. The USFWS Special Operations Response Team (SORT) will be staging on the eastern coast of Florida and will be conducting initial assessments once the storm passes. The

team will then move towards the western side of the state and reach out to the project leaders in the affected areas. A helicopter was released from Utah and will be deployed to Leesburg, Florida to deliver supplies or perform reconnaissance as needed. The following USFWS station updates have been provided:

- *Culebra NWR*: The island of Culebra remains without power at this time, and will remain closed this week. One remaining employee at the Culebra NWR was transported to the mainland due to a lack of power.
- *Caribbean Ecological Services (ES)*: A USFWS fire crew was able to open up access to the Iguaca Aviary on Saturday, and enough space was cleared to provide space for a delivery truck to reach the facility to refuel a diesel tank. Due to amount of fallen and overhead safety concerns within the aviary compound, assistance from USFWS Fire Crews will be needed in order to perform a damage assessment of feeding cages located throughout the forest within the aviary compound. Damage is expected to the parrot cage system, the DOI-Net Satellite Dish, and the perimeter security fence/camera system. The remaining staff will report to work at the aviary or for field work on Monday.

The USFWS Ecological Services (ES) Maricao station continues to operate, and a damage assessment is still needed. The water levels in the Maricao River remain too high to access some areas.

The status of the USFS ES St. Thomas office at the airport is unknown, but initial reports indicate that severe damage occurred at the building.

**Other Government Agency Reporting:**

**Federal Emergency Management Agency Irma Update**

*Source: FEMA National Situation Report – September 11, 2017*

Logistics and Commodities Summary: The following commodities have been ordered by and shipped to the State or Territory.

The following commodities have been ordered by and shipped to the State or Territory.

<b>Puerto Rico</b>	<b>Ordered</b>	<b>Shipped</b>
Cot	2,150	2,252
Water	3,600	3,600
<b>Virgin Islands</b>	<b>Ordered</b>	<b>Shipped</b>
Meal	500,000	0
Water	500,000	0
<b>Florida</b>	<b>Ordered</b>	<b>Shipped</b>
Meal	3,290,240	408,241
Water	2,367,680	294,456
<b>Georgia</b>	<b>Ordered</b>	<b>Shipped</b>
Meal	602,592	628,416
Blanket	20,000	22,885
Water	957,456	912,624
Tarp	3,004	1,664
Cot	300	864

*(ESF 7 Update, September 11, 2017, 12:30 a.m. EDT)*

## Impact Summary

Population Impacts						
Location	Fatalities	Shelters / Population	Customer Power Outages	Hospitals	Evacuations	Other
USVI	4	Shelters: 6 Pop: 376	St. Thomas - 19,581 St. John - 2,893 St. Croix - 6,905	1 evac'd	N/A	St. Thomas and St. John curfew 6 p.m. to 12 p.m.
PR	3	Shelters: 5 Pop: 69	431,064	1 closed; 6 on generator	N/A	Schools and government offices remain closed
FL	5 (unconfirmed)	Shelters: 460 Pop: 127,332	4,984,342 (+3,204,598)	46 closed 7 evacuating	37 counties mandatory 13 counties voluntary	Curfews in effect for most cities and counties All schools, colleges, and state offices closed
Seminole Tribe	Not Reported	Shelters: 6 Pop: 85	No Power	Not Reported	Not Reported	Leaking at Immokalee and Big Cypress shelters
Miccosukee Tribe	Not Reported	Shelters: 1 Pop: 20	No Power	Not Reported	Not Reported	
GA	Not Reported	Shelters: 1 Pop: 20	No Power	Not Reported	All areas east, some areas west of I-95, 1 county	
SC	N/A	Shelters: 29 Pop: 3,871	11,376	4 partial evac'd, 3 evacuating, 1 evac'd	Mandatory for barrier islands	
TN	N/A	Shelters: 3 Pop: 245	N/A	1 closed		
AL	N/A	Shelters: 4 Pop: 0	N/A	Not Reported		

Infrastructure Impacts						
Location	Air	Ports	Public Transit	Roads	Fuel/Gas	Water
USVI	Closed: St. Thomas Open: All others	Open with restrictions: Christiansted (St. Croix), Cruz Bay (St. John), Redhook (St. Thomas) Closed: All other ports in St. Thomas	All closed	St. Thomas and St. John: Major damage on coastal roads and debris St. Croix: Minimal damage	Normal supply chain operational; 4 gas stations on generator power	341,514 without water
PR	All open	All open; Guayama with restrictions	Ferry: Closed Rail: Closed Bus: Open dawn to dusk	All roads are open; damage assessments ongoing	Not Reported	154,084 (-425,916) without water
FL	Closed: 20	All closed; Pensacola outbound only	All Closed	Closed: Port of Miami Tunnel, US 1 in Key Largo, Sunshine Skyway Bridge	Not Reported	Not Reported
GA	N/A	N/A	N/A	Not Reported	Not Reported	Boil water notice
NC	Savannah limited service	All closed	Not Reported	I-16 contraflow lifted I-75 contraflow Northbound	Not Reported	Not Reported
SC	Not Reported	Not Reported	Not Reported	Lane closures suspended to accommodate evacuee flow I-95 Traffic Congestion	Not Reported	Not Reported

## Activations

- FEMA Region II: RRCC at Level I day shift, Level II night shift with ESF 1,3,6, 8,12,13,& 15



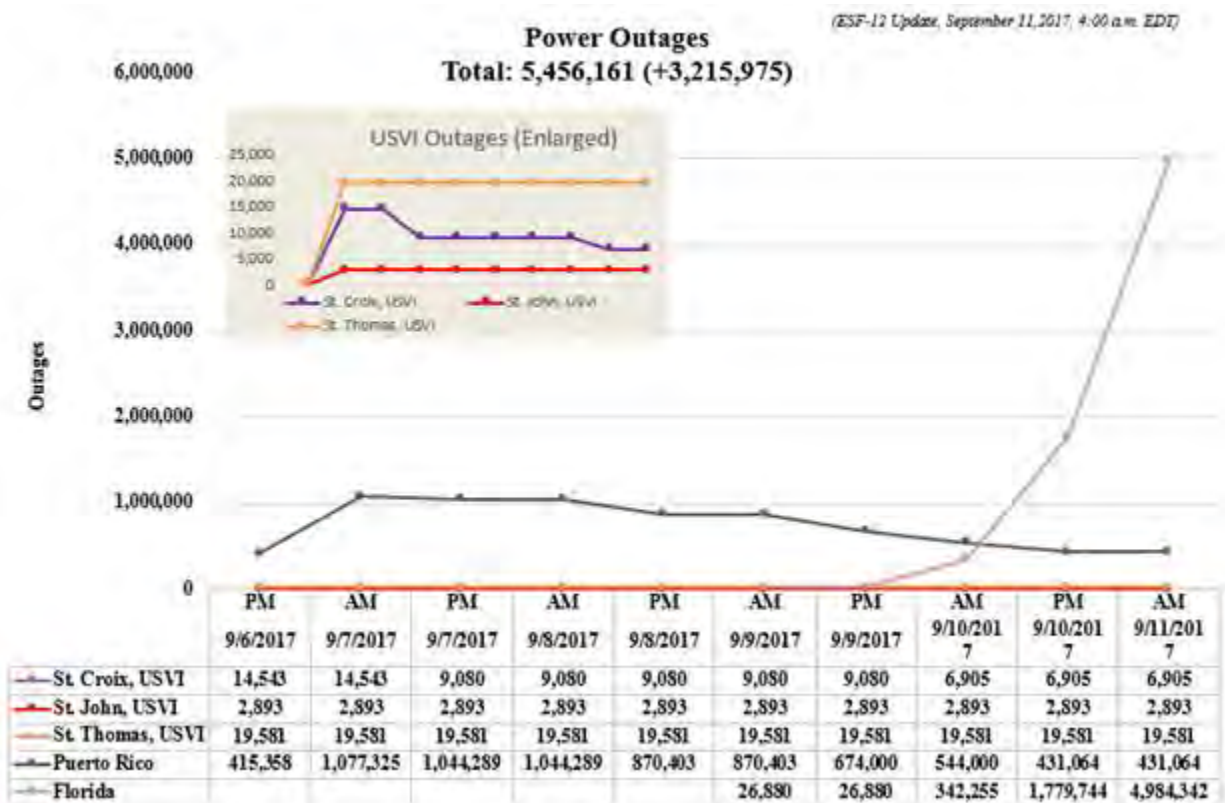
- FEMA Region II IMAT locations; Region II IMAT-A in St. Croix; Region II IMAT-B in St. Thomas; Region II IMAT-C in Puerto Rico, Region X IMAT: San Juan, Puerto Rico
- USVI: EOC at Full Activation; state of emergency declared; National Guard activated
- Puerto Rico: EOC at Level IV, Full Activation; state of emergency declared; National Guard activated

FEMA Region IV:

- RRCC at Level I (Full Activation)
- Region IV IMAT 1 at Florida EOC and Region IV IMAT-2 at South Carolina EOC
- Region IV Liaison Officers (LNO) on site at EOCs in Florida, South Carolina, Georgia, North Carolina, Alabama & Seminole Tribe (1 each)
- Region III IMAT deploying to Alabama EOC
- Florida: EOC at Level I (Full Activation); State of Emergency declared for 67 counties  
Seminole Tribe of Florida: EOC at Full Activation (24/7, all ESFs)
- Miccosukee Tribe: Two EOCs at Full Activation
- Georgia: EOC at Level I (Full Activation); Governor issued state of emergency
- Alabama: EOC a Level I (Full Activation). Governor issued state of emergency
- North Carolina: EOC at Level I (Full Activation)
- South Carolina: EOC at OPCON 1 (Full Activation)

Federal Emergency Management Agency

Source: Power Outage Status Florida, Puerto Rico U.S. Virgin Islands – September 11, 2017



FEMA reports approximately 34-percent of total customers are without power in Florida and outages continue to increase, with the hardest-hit counties in south Florida: Miami-Dade, Monroe, Collier, Palm Beach, and Broward. One hundred percent of customers on St. Thomas and St. John and 31-percent of customers on St. Croix remain without power; power restoration continues in Puerto Rico, with 28-percent of customers without power.

### **Harvey Response and Recovery - Southeastern Texas**

#### **DOI Mission Assignments (MAs) as of September 11, 2017:**

There are currently a total of 65 DOI Personnel supporting the response under the FEMA mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b>Number of DOI personnel</b>	<b>Location of Personnel</b>
ESF-4 8/28/2017 4332DR-TX-USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtask under ESF-4 \$ 3m	(29 total) 7 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
Emergency Support Function (ESF) #5 8/25/2017 TX-17082301-DOI-01 (original) and 4332DR-TX-DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	(8 total) One 24/7 position supported by 8 DOI personnel	FEMA HQ SILC activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF #5 8/26/2017 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	(19 total) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX along the coast through the Houston impact area
ESF #5 3382EM-LA-USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response	\$200,000	6 personnel flagging HWMs.	southwest Louisiana

		operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana			
ESP #9 09/06/2017 4332DR-TX-NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG).	\$10,000		2 personnel have demobilized College Station, TX
ESF #9 8/26/2017 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000		College Station, TX Activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF #11 8/25/2017 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000		Activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m		<p>QRT 1 : DEMOBILIZED 4-5 SEPTEMBER 13- FWS 12- NPS</p> <p>QRT 2 : DEMOBILIZED 9 SEPTEMBER 10 - BLM 13 - BIA 2 - OLES</p> <p>QRT 3 : DEMOBILIZED 9 SEPTEMBER 13 - BLM 12 - FWS Refuge</p> <p>QRT 4 : DEMOBILIZED 7 SEPTEMBER 22- FWS OE</p> <p>QRT 5 : DEMOBILIZED 8 SEPTEMBER 12 - FWS Refuge</p>

					7 - NPS 4 - BLM 1 - OLES  QRT 6 : DEMobilized 9 SEPTEMBER 21 - FWS OLE
ESF #8	National Park Service (NPS)	Support patient movement and HHS Operations Center		2 personnel: one in TX and one in DC	3 personnel total deployed for mission assignments under ESF-8 for Harvey. 1 officer has returned home and is on alert for Irma. The other 2 remain on Harvey assignments
ESF #15 09/03/2017 4332DR-TX_DOI-09	Office of Communications	Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	1 person (USGS)	Austin, TX
Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10	Austin, TX

**General Situation:**

Source: Federal Emergency Management Agency – September 8-10, 2017

Response and recovery efforts continue throughout the Gulf Coast of Texas and Louisiana, but flooding continues to hamper recovery operations, while rivers continue to recede. All major airports are at normal operations, with only the Texas Gulf Coast Regional Airport operating under restricted operations. The ports at Corpus Christi, Houston, Beaumont, and Port Arthur are open, with restrictions, and all southeastern Texas industrial leads have returned to service. Portions of the Sam Houston Tollway between I-10 and Westheimer remain closed due to flooding as of Saturday.

The Texas Commission on Environmental Quality (TCEQ) and Environmental Protection Agency (EPA) have completed surveys of 4,852 drinking water facilities and 2,908 wastewater facilities in the impacted area and found 37 with severe damage, 30 with medium damage, and 248 with minor damage. Five refineries in the Gulf Coast remain shut down, six refineries are in process of restarting after being shut down, and at least five refineries are operating at reduced rates. The TCEQ has completed the assessment of all 17 state Superfund sites in the affected area, and there were no major issues noted. The TCEQ will continue to monitor sites to ensure no further action is needed in regards to the storm.

the FEMA Region VI Regional Response Coordination Center (RRCC) has transitioned to and Enhanced Watch. The Texas EOC remains at Level I (full activation), while the Louisiana EOC has transitioned to Level IV (normal operations).

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- *ESF #5 USGS:* Twenty-five USGS personnel from Texas, Florida, Arizona, Oklahoma, and New Mexico worked under MA TX-17082301-DOI-01 yesterday. Four hundred sixty-two high water marks (HWMs) have been flagged, and 223 HWMs have been surveyed. Five personnel from Louisiana were also in the field conducting work under MA 3382EM -LA-USGS-01.

#### **ESF#11 (Agriculture and Natural Resources):**

- *ESF #11 (OEPC):* ESF #11 for the Protection of Natural and Cultural Resources and Historic Properties (NCH) met with FEMA's Office of Environmental Planning and Historic Preservation (OEHP) regarding the potential Mission Assignment for subject matter experts (SMEs) with natural and cultural resource expertise. As OEHP begins to form their staffing plan and identify resource and personnel availability, they're requesting DOI provide information on the number of SMEs available, their qualifications, and the dates they're available. This information will assist them in preparing a final staffing plan. OEPC is working with bureau representatives to respond to OEHP's request.

OEHP is looking to identify around 20 SMEs from DOI. Depending on the impacts from Irma, these individuals could be used to support Irma response or Harvey response, wherever the need is greatest. Deployments would be 30-60 days beginning in late September/early October. Bureaus are working on developing preliminary lists of responders who meet OEHP's requirements and will provide this information to OEPC and FEMA. OEPC has requested bureaus provide as much information as possible by Tuesday, September 12th.

#### **ESF#13 (Public Safety and Security):**

- *ESF #13 – Office of Law Enforcement and Security (OLES):* All DOI Quick Response Teams (QRTs) in support of Hurricane Harvey response operations have been demobilized. Teams were expected to return to their home units on Sunday.

### **DOI Bureau and Office Reporting:**

#### **United States Fish and Wildlife Service Harvey Update (Final Update)**

*Source: United States Fish and Wildlife Service – September 8, 2017*

The USFWS Southwest Region continues to respond to Harvey response and recovery efforts. There were a total of 231 employees in affected in the Texas area on Friday. The USFWS Region II IMT had 28 personnel and 12 pieces of equipment assigned for recovery efforts as of last week. A total of 310 of the 485 USFWS assets have been assessed, and replacements/repair estimates are being prepared.

### **United States Geological Survey Hurricane Harvey Update**

*Source: United States Geological Survey – September 9, 2017*

No personnel from the USGS Texas Water Science Center (TXWSC) were in the field on Saturday. Five streamgages are currently damaged or not working.

### **DOI Telecommunication Harvey Update**

*Source: DOI Office of Chief Information Officer – September 10, 2017*

In the Harvey recovery zone, two DOI sites remain without network services. Updates will be provided when new information becomes available.

### **DOI Office of Environmental Policy and Compliance Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance – September 10, 2017*

A Regional Senior Leader from the NPS has been identified to support the Natural and Cultural Resources Recovery Support Function (NCR RSF) recovery efforts. The person will provide Senior Leadership direction to respond to and deconflict cross-cutting issues that may be identified over the course of the Hurricane Harvey recovery efforts. OEPC is also developing a virtual field team of subject matter experts in the region to help support impact assessment and development of recovery strategies. Agency and bureau points of contact are being sought as technical leads for specific issues that need to be addressed. Those staff members identified can be provided funding through OEPC's FEMA Mission Assignment for travel, if needed.

### **Other Federal Agency Reporting:**

#### **DHS National Operations Center (NOC)**

*Source: HARVEY Recovery Effort (Update 34) – September 10, 2017*

Five refineries in the Gulf Coast region remain shut down, six are in the process of restarting and five are operating at reduced rates. Petroleum production can take several days once a refinery resumes operation. All major airports are at normal operations, except for TX Gulf Coast Regional Airport, which is operating under restricted operations. All southeast TX industrial leads have returned to service. The Sunset Limited rail service route between San Antonio and New Orleans has limited service. All ports are open; four are operating with restrictions.

#### **Activations:**

- FEMA Region VI Regional Response Coordination Center has transitioned to Enhanced Watch.

- The Texas State Emergency Operations Center (SEOC) remains at Level I (full activation).
- The Louisiana SEOC has transitioned to Level IV (normal operations).
- There are 1,350 members of the DHS Surge Capacity Force currently deployed in support of recovery operations.

**Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 11, 2017*

There are currently no Type-1 or Type 2 IMT managed DOI fires under a full suppression strategy. The **East Fork Fire** (MT), **Tohakum 2 Fire** (NV) and **Bridge Creek Fire** (WA) are now an IMT Type-3 or IMT Type 4 incident, and will only be summarized in today's report. The **Tungsten Fire** (NV) was not reported in this reporting cycle and will not be summarized.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 27
East Fork	Rocky Boys Reservation, MT	BIA	3	21,896	85%	September 17
Tohakum 2	Washoe, NV	BIA	4	94,221	98%	September 11
Bridge Creek	Ferry, WA	BIA	3	3,711	98%	September 20

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – September 11, 2017*

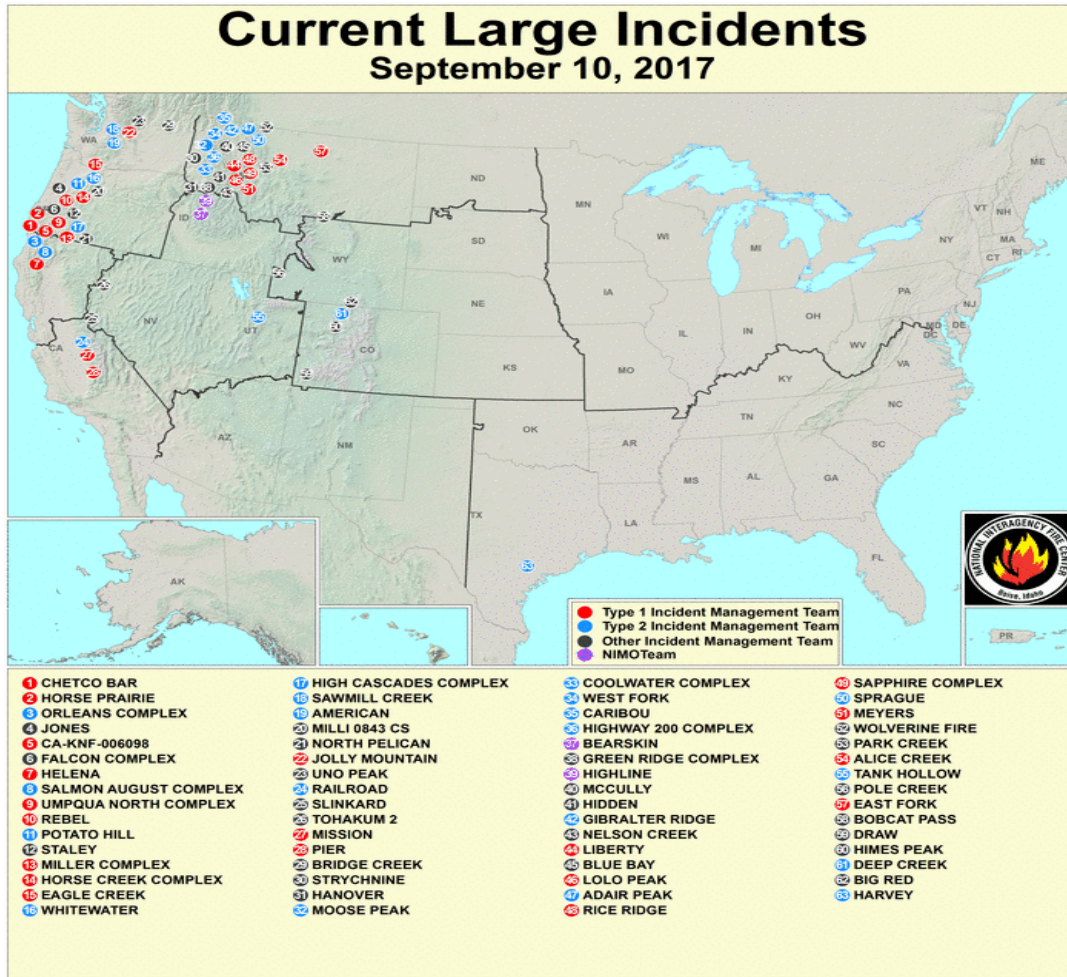
**National Preparedness Level 5**

**National Fire Activity**

Initial attack activity: Light (95 new fires)  
 New large fires: 5  
 Large fires contained: 0  
 Uncontained large fires: \*\* 39  
 Area Command Teams committed: 2  
 NIMOs committed: 4  
 Type 1 IMTs committed: 15  
 Type 2 IMTs committed: 22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 10, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.



### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

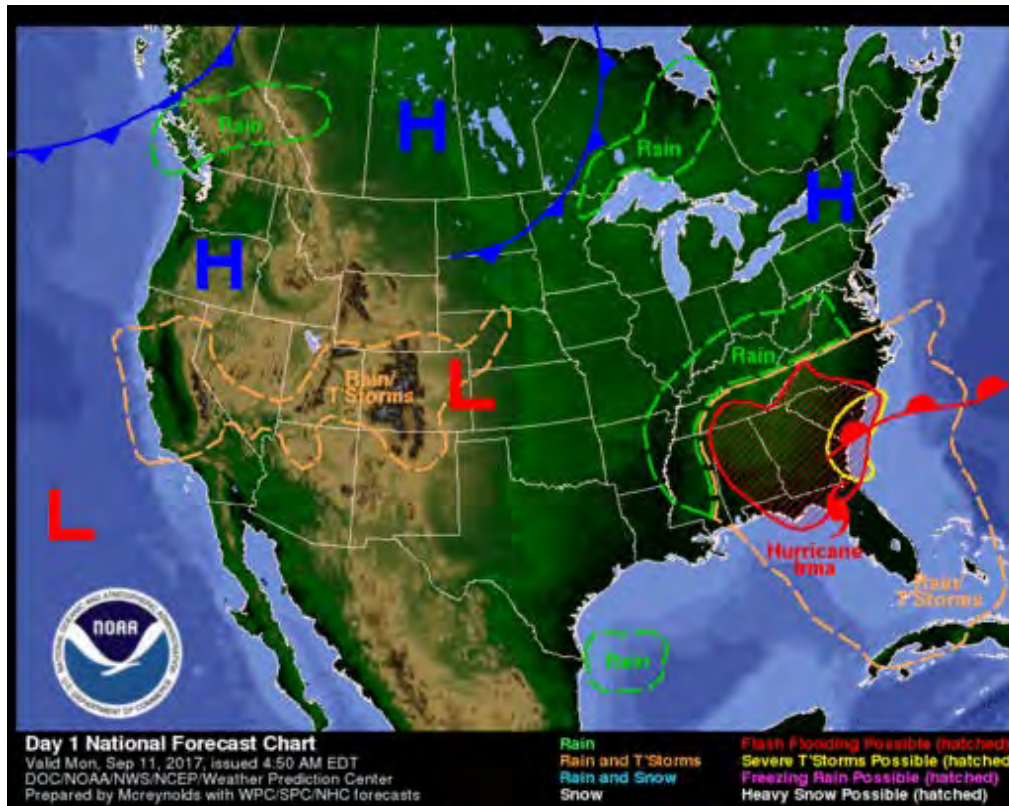
### **Earthquake Activity**

*Source: United States Geological Survey (USGS) - September 10, 2017*

The United States Geological Survey (USGS) reported that a magnitude 4.6 earthquake occurred on September 10 at 7:12 a.m. EDT, approximately 3.6 miles to the east of Manson, Idaho at the depth of 2 miles. The USGS issued a Green PAGER alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

## Significant National Weather

Source: National Weather Service - September 11, 2017



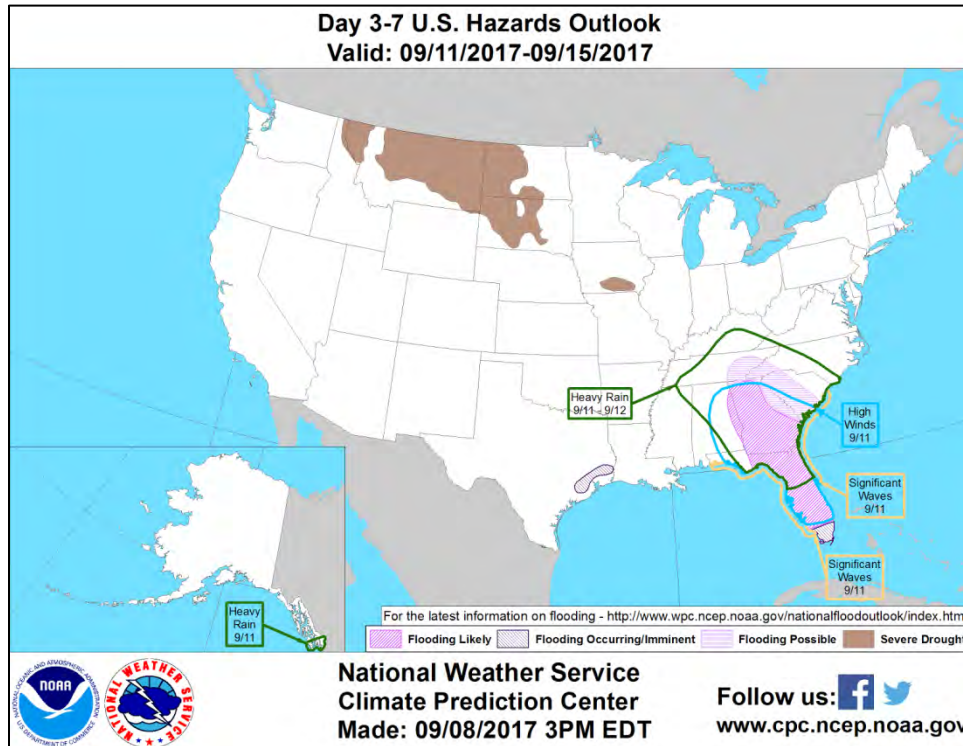
### **Today**

Widespread heavy rainfall which could produce localized areas of flooding and flash flooding will be possible across portions of Alabama, Georgia, northern Florida, South Carolina and western North Carolina. Rain showers will persist from Mississippi through the Tennessee Valley to West Virginia and western Virginia. Elsewhere, afternoon and evening showers and thunderstorms will develop across portions of California, the Great Basin and central Rockies.

### **Tomorrow**

Rain is expected across parts of the lower Mississippi Valley, Mississippi, Alabama, and the Ohio and Tennessee valleys. Rain and thunderstorms will be possible across portions of northern Florida and across the mid-Atlantic and the Upper Ohio Valley. Once again, afternoon and evening showers and thunderstorms will develop over most of California, the Great Basin, the Four Corners, center Rockies and a small portion of the western Central Plains.

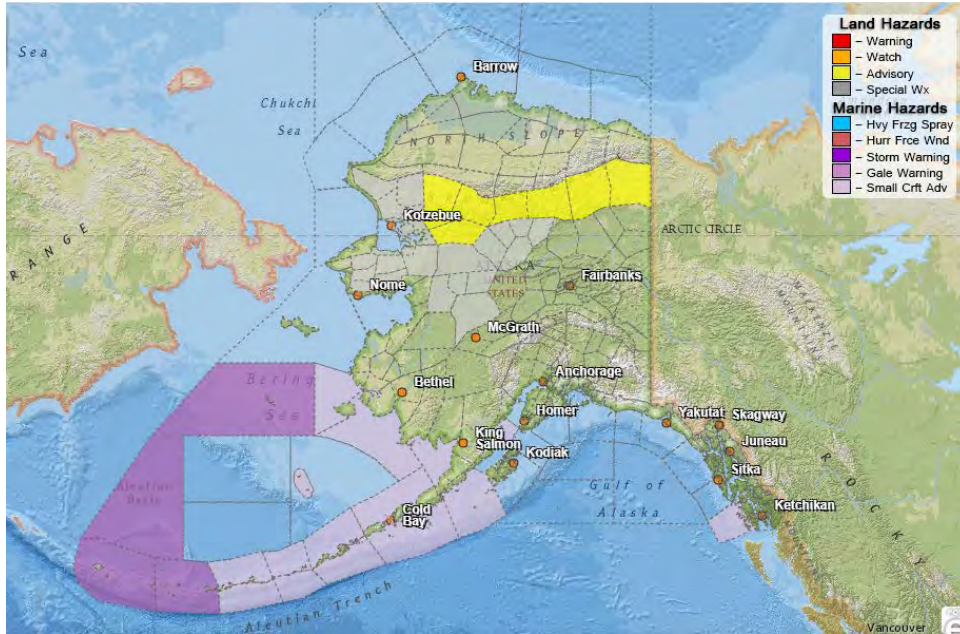
## Weather Hazard Assessment



- September 11: Heavy rain over extreme southern portions of the Alaska panhandle.
- September 11: High winds for much of the Southeast.
- September 11: Significant waves from about Cape Canaveral, Florida, to near Myrtle Beach, South Carolina.
- September 11: Significant waves along most of the west coast of Florida.
- September 11-12: Heavy rain from north-central portions of Florida to North Carolina and Kentucky, extending as far west as western Tennessee.

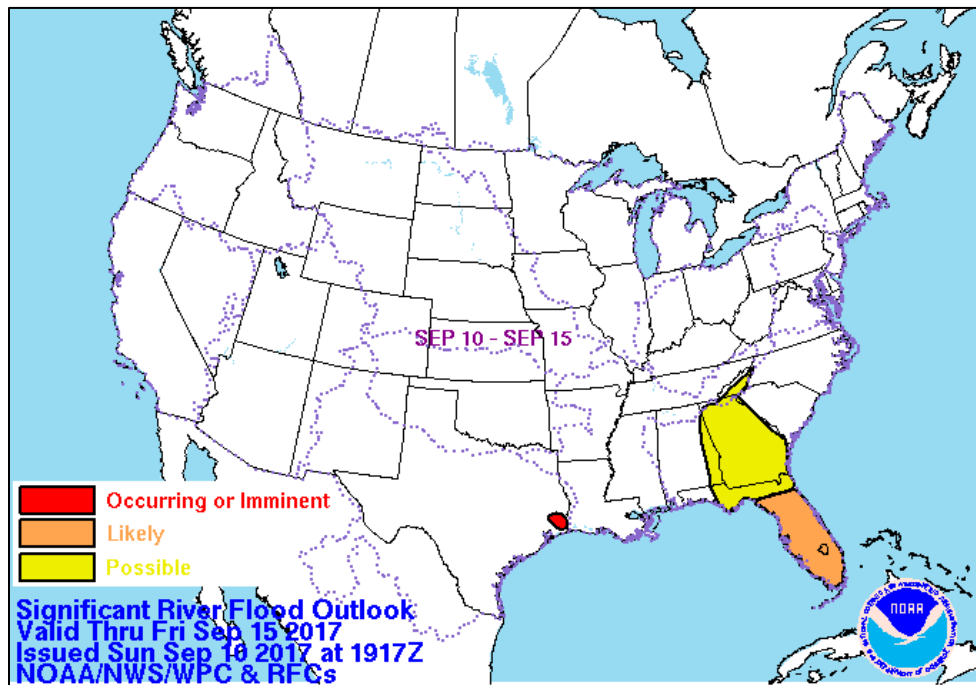
### Alaska Weather

A Gale Warning is in effect from Kiska to Adak, the Bering Sea Offshore and St. Matthew Islands Water. A Small Craft Advisory is in effect from Seguam to Sitkinak Bristol Bay, the Pribilof Islands, St. Matthew Island, north and west of Nunivak Island, the Kuskokwim Delta, Etolin Strait, and the Dixon Entrance to Cape Decision. A Winter Weather Advisory is in effect along the Brooks Range from upper Noatak to the Coleen River.



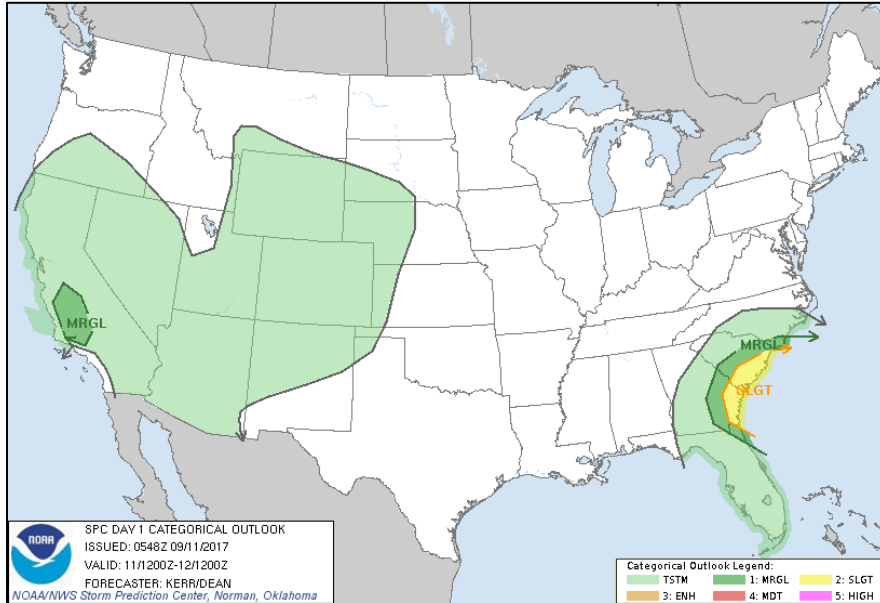
### Significant River Flooding

Flooding occurring, imminent, or likely for Florida, Georgia, eastern Alabama, western North Carolina, and eastern Texas.



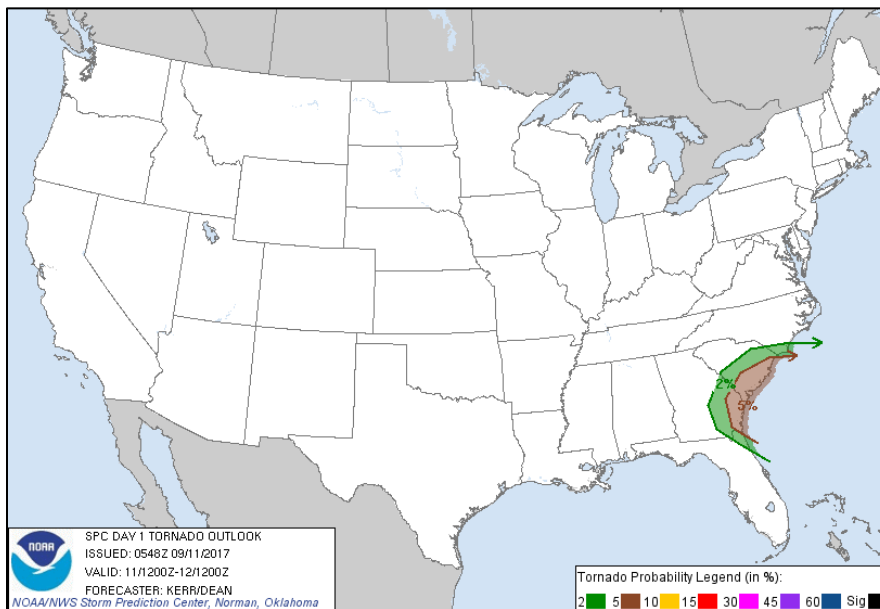
## Severe Weather

There is a Slight Risk of severe thunderstorms along the Atlantic coast, from Georgia to South Carolina. There is a Marginal Risk of severe thunderstorms southern Atlantic Coast region and across parts of the southern San Joaquin Valley and adjacent coastal ranges of southern California.



## Tornado Weather

There is a 5-percent chance of Tornado activity in Georgia and South Carolina coastal areas. There is a two-percent chance of Tornado activity along the southern Atlantic coast region.



## Fire Weather

There is no Critical Fire Weather forecast for today.

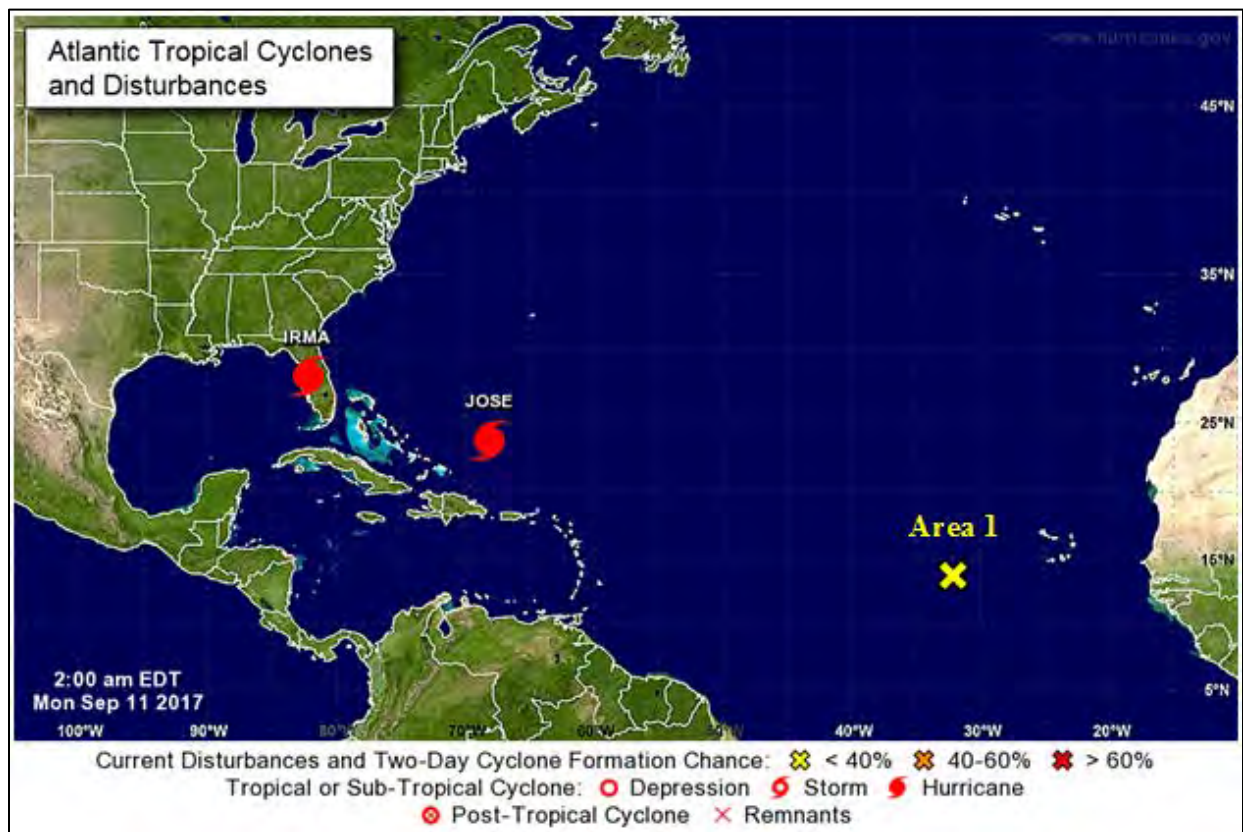
## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 11, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

#### Area 1

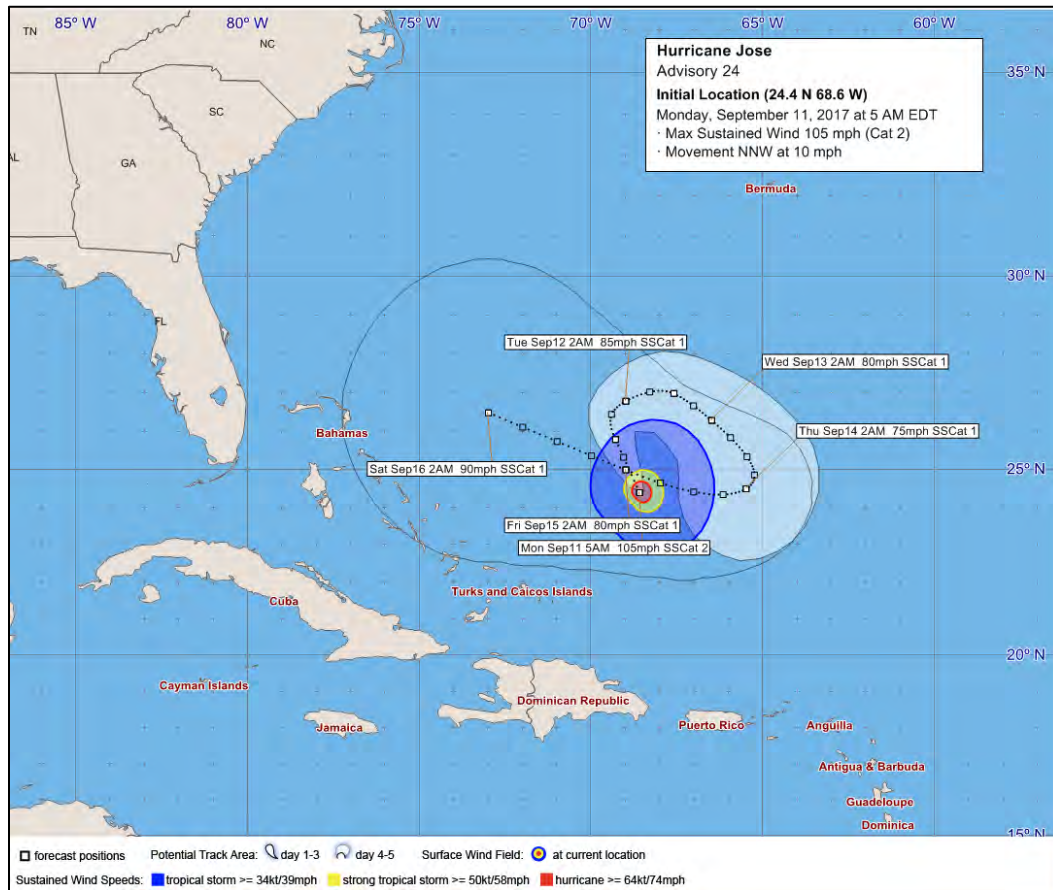
A tropical wave located several hundred miles west-southwest of the Cabo Verde Islands continues to produce disorganized showers and thunderstorms. Some development of this system is possible during the next couple of days before upper-level winds become unfavorable for tropical cyclone formation. This system is expected to move west-northwestward for the next two days and then turn northward over the central Atlantic. Formation chance through the next 48 hours is low at 30 percent.



**Hurricane Irma:** Is summarized at the beginning of this report.

## Hurricane Jose:

At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 255 miles northeast of Grand Turk Island. Jose is moving toward the north-northwest near 10 mph, and a turn toward the northeast is expected by tonight, with a reduction in forward speed. Jose is then expected to move slowly toward the east and southeast Tuesday into Wednesday. Maximum sustained winds are near 105 mph with higher gusts. Steady weakening is forecast during the next 48 hours. There are no coastal watches or warnings in effect. However, swells generated by Jose will affect portions of Hispaniola, the Bahamas, and the Turks and Caicos Islands over the next couple of days. These swells are likely to produce high surf and rip current conditions.



HURREVAC image

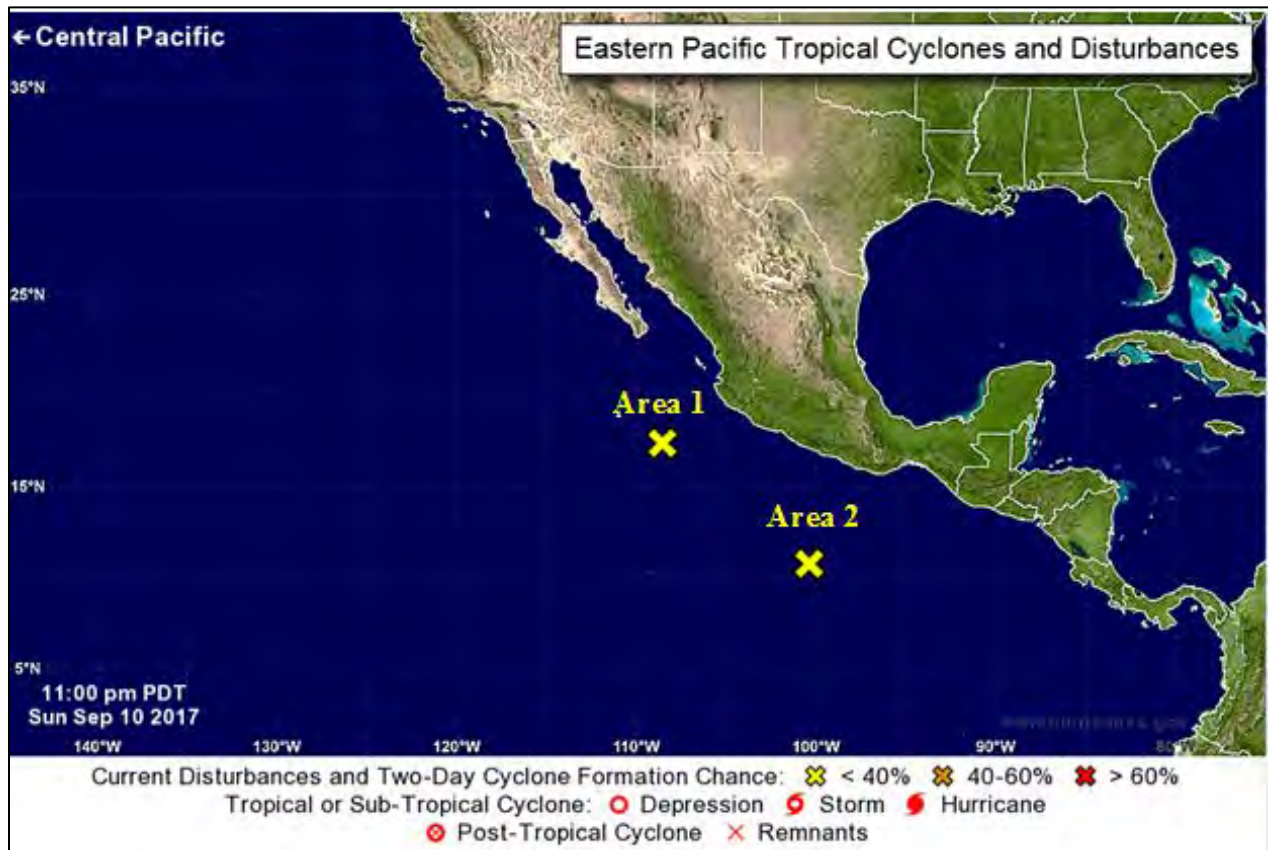
## Eastern Pacific Ocean

### Area 1

The remnants of Katia located about 300 miles west-southwest of Manzanillo, Mexico continue to produce an area of showers and thunderstorms. Strong upper-level winds should limit development of this system while it moves westward at 10 to 15 mph during the next couple of days. There is a 20 percent chance of tropical formation through the next 48 hours.

## Area 2

A trough of low pressure located a few hundred miles south of the southern coast of Mexico is producing disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for development, and a tropical depression is likely to form later this week while the system moves slowly northwestward. There is a 20 percent chance of tropical formation through the next 48 hours.



*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners



**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Tuesday, September 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Post-Tropical Cyclone Irma**

**DOI Mission Assignments as of September 11, 2017:**

There are currently a total of 209 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6 personnel	Puerto Rico

ESF #5 9/7/2017 GA- 17083101- USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real- time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high- water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC- 17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high- water or flood event	\$170,000	15 personnel	SC coast
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL- 17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ

ESF- #13 MA#3385E M-FL-USDJ- 01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	(140 personnel + 2 personnel w BIA bunkhouse) DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS Refuge  DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER 25 - FWS-OLE  DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER 13 - USPP 8 - NPS 2 - OIG 2 - OLES  DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER 25 - BLM  DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER 25 - BIA/TRIBAL  DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1  BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER 2 - BIA support personnel	DOI IRMA QRT 2 checking in at Moody today. DOI IRMA QRTs 1, 3-6 en route to Moody.  DOI IRMA QRT 7 : STANDBY
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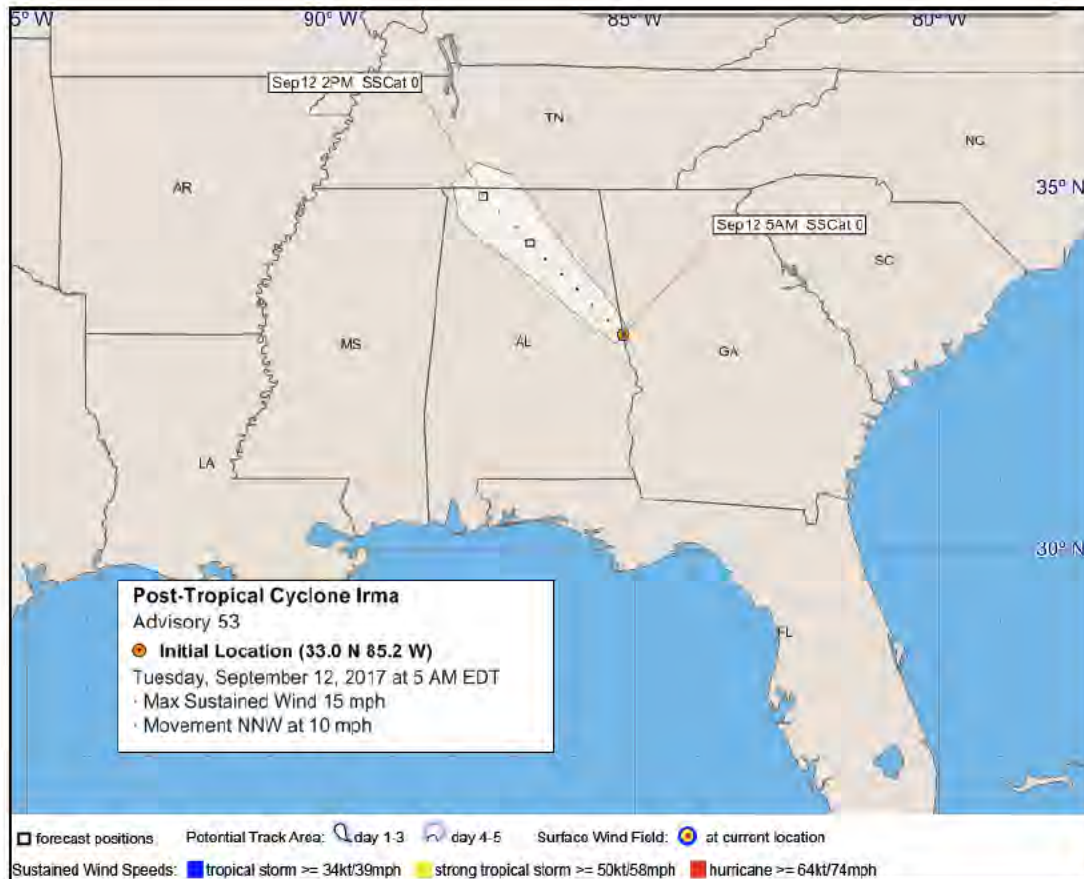
**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 12, 2017*

As of 5:00 a.m. EDT, Post-Tropical Cyclone Irma was located about 65 miles southwest of Atlanta, Georgia and has lost its tropical characteristics in the last several hours. Irma has been moving northwestward through the southeastern U.S., and this motion is expected to continue and approach the Tennessee Valley by this afternoon. Irma will continue to weaken throughout the day. Maximum sustained winds have decreased to near 15 miles per hour (mph) with higher gusts. Remnant rain bands from Irma are expected to produce additional rain accumulations of 1 to 3 inches with isolated 5 inches today across northern South Carolina. Localized intense rainfall rates will lead to additional isolated areas of flash flooding and a rapid rise of creeks,

streams, and rivers. An additional 1 to 2 inches of rainfall is expected across northern Mississippi, northwestern Alabama, eastern Arkansas, western Tennessee, and western Kentucky.

Flash Flood watches are in effect for portions of the southern Appalachians. Flood Warnings and Advisories are ongoing throughout the Southeast.



HURREVAC Image

## **DOI Bureau and Office Reporting:**

### **National Park Service - Irma Update**

*Source: National Park Service – September 11, 2017*

The National Park Service (NPS) continues to monitor the progress of this storm and is standing by to respond to requests for assistance by Park Units, DOI Bureaus and Offices, or other Federal Agencies. Several Parks in Florida are without power, and communications are down. Many of the park units will be inaccessible for a period of time. Employee safety and accountability for employees of the impacted parks remain the top priority of the NPS. Mobilization efforts by the Eastern Incident Management Team (EIMT) continued in Atlanta on Monday. A total of 70 resources have been ordered to assist with recovery operations in the Hurricane Irma-affected South Florida and Caribbean national parks; 20 of which have checked in at the incident, and the

remainder are en route. Resources to provide peer support for employees and damage assessments are beginning to reach the Caribbean parks branch.

The advance team departed for south Florida to begin preparations for the arrival of the remaining team members. The team was to stage overnight in Jacksonville, arriving at Homestead today to coordinate with the Everglades staff and scout locations for the incident command post. The remainder of the team will travel south on Wednesday morning.

The table below shows the status of NPS park units as of 8:00 p.m. EDT Monday evening:

<b>Park</b>	<b>State/ Territory</b>	<b>Status</b>
Christiansted National Historic Site/ Buck Island Reef National Monument/ Salt River Bay National Historical Park and Ecological Preserve	VI	Closed (Pending Opening)
Virgin Islands National Park/ Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Open
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed
South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Moore's Creek National Battlefield	NC	Closed

Fort Sumter	SC	Closed (Pending Opening)
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- Caribbean Park Units - A seven person Law Enforcement SET team arrived in the Caribbean on September 11 to relieve LE staff in the parks there.
- Virgin Island (VIIS) - Closed - All employees accounted for. Transportation issues on and off the island delayed IMT support scheduled to arrive on the island yesterday. Department of Defense and United States Coast Guard assets are providing support by water and air. Personnel are assisting two employees arrange for government housing after their own homes were damaged.
- San Juan National Historic Site - The park is open and using a resources to help other units in the Caribbean. They are also working with the Eastern Incident Management Team to source additional resources.
- Big Cypress (BICY) - The park remains closed. There is one employee still unaccounted for in Naples, Florida. There are reports of park staff having lost their homes. BICY law enforcement rangers, weather and safety conditions permitting, will work in conjunction with Collier County EMS/LEO/SAR to begin damage assessments. All other employees in affected areas have been instructed to remain sheltered. Damages to NPS facilities and preserve resources is unknown. The Staff in Chokoloskee experienced powerful tidal surges.
- Everglades National Park (EVER) - The park remains closed and has accounted for 164 of 340 employees. The park remains without power or network connectivity. Access to the park may be an issue.
- Fort Pulaski (FOPU) - The park remains closed. Tornado watches and warnings continue for the entire county. More than 60,000 people in the area remain without power. The Bull River and FOPU bridges need to be assessed before access to the park can be accomplished.
- Cumberland Island / Fort Frederica (CUIS/FOFR) -The park remains closed and all employees accounted for. The park docks on St. Marys waterfront and the park concession marina east of the park service docks where concession ferries dock sustained severe damage. A GSA-leased warehouse with NPS property sustained major damage.
- Fort Sumter (FOSU) - The park remains closed and all employees accounted for. Some employees returned on September 11 to evaluate the park. There is a tentative plan to open on Wednesday, September 12.

## **U.S. Fish and Wildlife Service - Irma Update**

*Source: U.S. Fish and Wildlife Service – September 11, 2017*

The U.S. Fish and Wildlife Service (USFWS) reports that they have 74 stations closed at this time, 58 stations are due to Hurricane Irma. All employees are accounted for and safe at this time.

The USFWS IMT is scheduled to travel east this morning. An additional Saw Team Task Force is being considered for deployment. The North Mississippi Task Force deployed yesterday and plans to begin assessment and recovery operations upon arrival. The USFWS Special Operations Response Team (SORT) has created three teams and will begin initial assessments on the eastern coast of Florida. The teams will assist with accounting for staff and damage assessments in the affected areas. A support helicopter, currently located in Denver, has been released in support of recovery operations and should be able to make it as far as Louisiana before tonight.

While damage to the Florida Keys refuges is likely substantial, assessments can not be conducted due to the lack of access. Assessments to one of the southern Florida Stations has been completed. The station suffered downed fencing, trees over roads, trails, and parking lots, and some minimal structure flooding. The following USFWS station updates have been provided:

- Culebra NWR: Culebra Island remains without power at this time, and will remain closed this week. The lack of of potable water working sewer system has resulted in transferring the one remaining employee at the Culebra NWR to the mainland.
- Caribbean Ecological Services (ES): The Maricao station continues to operate, and damage assessments are needed. The site is stocked with a week's worth of supplies, and personnel are reported to be doing well.
- Savannah NWR Complex: USFWS personnel are reporting major flood conditions within the complex.
- Okefenokee NWR: There are power outages throughout the Refuge.

## **Bureau of Indian Affairs - Irma Update**

*Source: Bureau of Indian Affairs (BIA) – September 11, 2017*

### ***Seminole Tribe of Florida:***

The Tribe is operating 4 shelters with a total population of 39 members. A boil-water notice was issued due to water main break (fed by Hollywood Municipal water department). The Immokalee, Big Cypress, Brighton, and Hollywood Reservations are without power. A generator failure at the tribal hospital caused the loss of some of the temperature-controlled medications. A request to Indian Health Services has been submitted to supplement the stock of prescription medications. The tribe is working with FEMA for repair or replacement of the generator. Initial damage assessments have indicated minimal to moderate damages to the reservations. Door-to-door damage assessments will begin today.

***Miccosukee Tribe of Indians:***

The Tribe has approximately six inches of standing water over roads and continues to wait for dewatering pumps. The equipment is ready for shipment and will be enroute as soon as transportation routes are cleared. There is no cell phone service or power, and a generator at the shelter is out. Additionally, it is being reported that the Tribe is running low on diesel fuel. A Senior Center is providing food for tribal members and first responders. Initial damage assessments will start soon.

***Poarch Band of Creek Indians (Alabama)***

The Poarch Band of Creek Indians was included in approved Emergency Declaration for the State. The Tribe continues to monitor the progress of the storm.

***Mississippi Band of Choctaw (Mississippi):***

The Tribe continues to monitor the progress of the storm.

***Catawba Indian Nation (South Carolina):***

The Tribe continues to monitor the progress of the storm.

***Eastern Band of Cherokee (North Carolina):***

The Tribe continues to monitor the progress of the storm. There are no unmet needs.

**DOI Telecommunication - Irma Update**

*Source: DOI Office of Chief Information Officer – September 12, 2017*

The Enterprise Services Network reports that there are currently 41 sites without network services due to Hurricane Irma. Updates will be provided when new information becomes available.

**Other Government Agency Reporting:**

**Federal Emergency Management Agency Irma Update**

*Source: FEMA National Situation Report – September 12, 2017*

The Department of Homeland Security is reporting that Irma is responsible for 9 deaths in its wake; seven confirmed in the U.S. Virgin Islands and Puerto Rico, and two unconfirmed deaths in Florida. Two healthcare facilities are reported closed and six are operating on emergency power. Five thousand service members aboard two Navy ships have been deployed to the Caribbean to aid in the movement of personnel and supplies. There have been over 700 people evacuated from the area. A chartered Delta Airlines flight evacuated 149 Americans from St. Thomas to Detroit, Michigan.

In Florida, air terminals have begun delivering fuel in the state, but shortages at gas stations continue. Fuel shortages could worsen if Port Everglades does not reopen soon.



Six hospitals in Georgia have been evacuated and five hospitals have sheltered in place with 571 occupants.

No Incident Support Bases (ISB) or Federal Staging Areas are reporting damage, although some ISBs are experiencing tropical storm force winds. Maxwell ISB is closed and expected to resume operations on September 12.

### **Activations**

- FEMA Region II: RRCC at Level I day shift, Level II night shift with ESF 1,3,6, 8,12,13,& 15
- FEMA Region II IMAT locations;Region II IMAT-A in St. Croix; Region II IMAT-B in St. Thomas; Region II IMAT-C in Puerto Rico, Region X IMAT: San Juan, Puerto Rico
- USVI: EOC at Full Activation; state of emergency declared
- Puerto Rico: EOC at Level IV, Full Activation; state of emergency declared

FEMA Region IV:

- RRCC at Level I (Full Activation)
- Region IV IMAT 1 at Florida EOC and Region IV IMAT-2 at Georgia EOC
- Region IV Liaison Officers (LNO) on site at EOCs in Florida, South Carolina, Georgia, North Carolina, Alabama & Seminole Tribe (1 each)
- Region III IMAT deploying to Alabama EOC
- Florida: EOC at Level I (Full Activation); State of Emergency declared for 67 counties  
Seminole Tribe of Florida: EOC at Full Activation (24/7, all ESFs)
- Miccosukee Tribe: Two EOCs at Full Activation
- Georgia: EOC at Level I (Full Activation); Governor issued state of emergency
- Alabama: EOC a Level I (Full Activation). Governor issued state of emergency
- North Carolina: EOC at Level I (Full Activation)
- South Carolina: EOC at OPCON 1 (Full Activation)

FEMA reports that more than half of the total customers in Florida are without power. Georgia, South Carolina, North Carolina, and Alabama are beginning to see outages as Irma progresses northward. Puerto Rico has a mutual aid request for assistance in restoring power to Department of Energy. There is no estimate for power restoration on St. Thomas or St. John. Work continues in St. Croix.

## Harvey Response and Recovery - Southeastern Texas

### DOI Mission Assignments (MAs) as of September 11, 2017:

There are currently a total of 55 DOI Personnel supporting the response under the FEMA mission assignments.

<b>Mission Assignment (MA)</b>	<b>DOI Bureau or Office Involved</b>	<b>Description of Support</b>	<b>Funding Amount</b>	<b>Number of DOI personnel</b>	<b>Location of Personnel</b>
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	(29 total) 7 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	(31 total) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX along the coast through the Houston impact area
ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000	4 personnel flagging HWMs.	southwest Louisiana
ESF #9 09/06/2017 4332DR-TX- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG).	\$10,000		2 personnel have demobilized College Station, TX
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000		College Station, TX Activation under Harvey has transitioned to an activation under Irma starting 09/05/2017
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub- tasked \$600,000 under total ATF ESF- 13 MA \$5.6m		All QRTs demobilized.

ESF #8	National Park Service (NPS)	Support patient movement and HHS Operations Center		2 personnel: one in TX and one in DC	3 personnel total deployed for mission assignments under ESF-8 for Harvey. 1 officer has returned home and is on alert for Irma. The other 2 remain on Harvey assignments
ESF #15 09/03/2017 4332DR- TX_DOI-09	Office of Communications	Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	1 person (USGS)	Austin, TX
Natural Cultural Resources (NCR) RSF 4332DR- TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10	Austin, TX

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- *ESF #5 USGS:* Thirty-one USGS personnel from Texas, Arizona, Oklahoma, and New Mexico worked under MA TX-17082301-DOI-01 yesterday. Five hundred forty-two high water marks (HWMs) have been flagged, and 240 HWMs have been surveyed. Four personnel from Louisiana were also in the field conducting work under MA 3382EM - LA-USGS-01.

**DOI Bureau and Office Reporting:**

**United States Geological Survey - Harvey Update**

*Source: United States Geological Survey – September 12, 2017*

The Texas Water Science Center (TXWSC) has thirteen personnel from Texas and Connecticut making discharge measurements, taking water quality samples, and repairing gages. There are currently five streamgages that are damaged or not reporting.

**DOI Telecommunication Harvey Update**

*Source: DOI Office of Chief Information Officer – September 12, 2017*

In the Harvey recovery zone, two DOI sites remain without network services. Updates will be provided when new information becomes available.

## Wildland Fire Activity

Source: Fire and Aviation Management Website - September 12, 2017

### Montana

#### **Sprague Fire**



IGEMS Image

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 14,432 (+721)
- Containment: 47-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 152 (-3) / 63 (-1)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as active during this reporting period with torching, backing, and spotting. The fire constitutes significant economic impacts, as a large area closure in addition to the Evacuation Order along the historic Going-To-The-Sun Road corridor affects residents, the Xanterra concessionaire, the Sperry Chalet concessionaire, Bus and Tour concessionaires, Swan Mountain Outfitters, Glacier Park Inc., and gateway communities like West Glacier due to the loss of park visitation. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%)

strategy. Information regarding the NPS fire strategy can be found at the [NPS Wildland Fire Program FAQ Website](#).

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 27
East Fork	Rocky Boys Reservation, MT	BIA	3	21,896	90%	September 17
Tohakum 2	Washoe, NV	BIA	4	94,221	98%	September 11
Bridge Creek	Ferry, WA	BIA	3	3,711	98%	September 20

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – September 12, 2017*

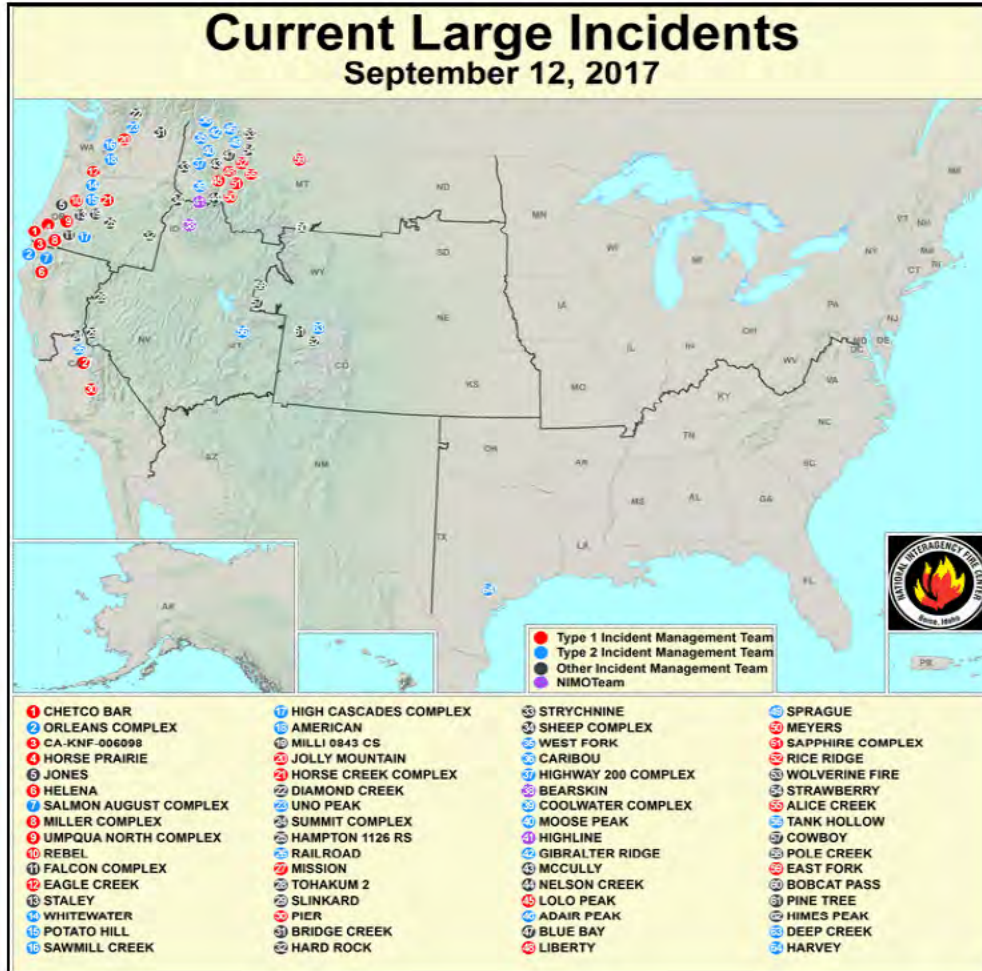
**National Preparedness Level 5**

**National Fire Activity**

Initial attack activity:	Light (103 new fires)
New large fires:	2
Large fires contained:	4
Uncontained large fires: **	39
Area Command Teams committed:	4
NIMOs committed:	4
Type 1 IMTs committed:	13
Type 2 IMTs committed:	20

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 11, 2017

Alert Level = WATCH

Color Code = ORANGE

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. With existing data sources, AVO may not detect low-level unrest, including explosive activity. Such low-level periods of unrest and possible explosions could pose hazards near the volcano. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 11, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, minor streaming was observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 11, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: United States Geological Survey (USGS) - September 11, 2017*

The United States Geological Survey (USGS) reported that a magnitude 4.5 earthquake occurred on September 11 at 9:26 a.m. EDT, approximately 3.6 miles to the east of Novene, Idaho at the depth of 6 miles. The USGS issued a Green PAGER alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

## **Significant National Weather**

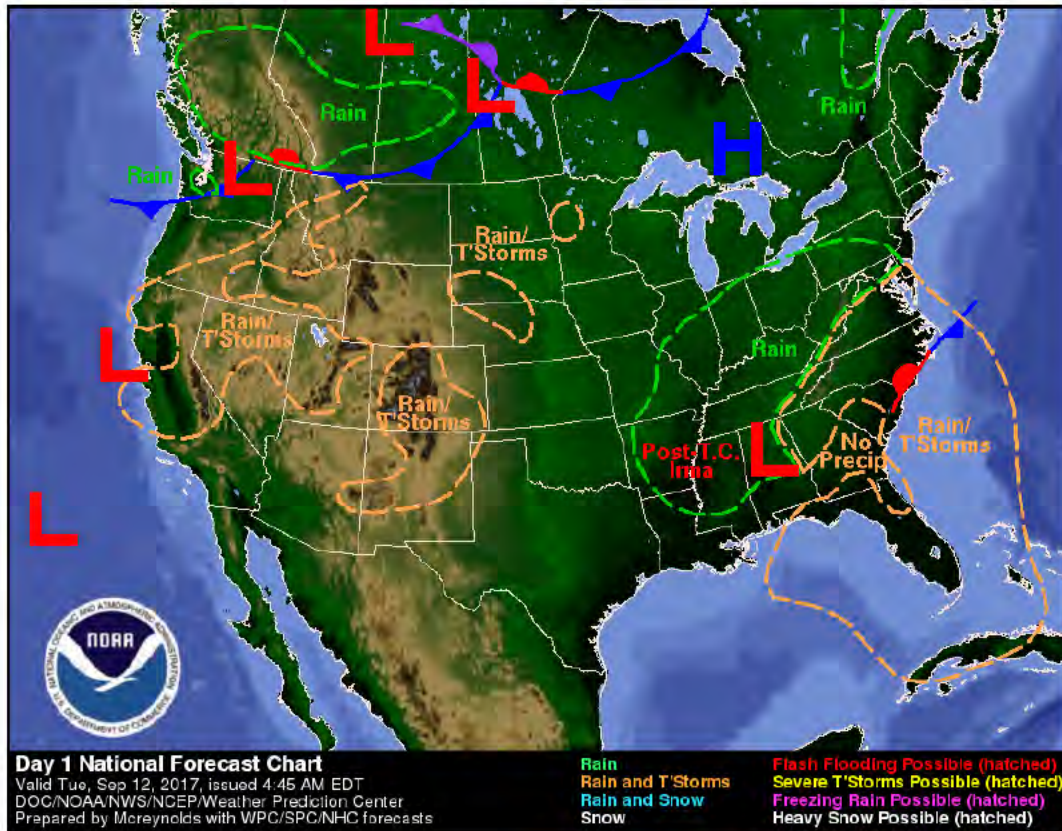
*Source: National Weather Service - September 12, 2017*

## **Today**

The remnants of Irma will produce widespread rain showers from the lower Mississippi Valley northeastward up the Tennessee and Ohio River valleys. Rain and thunderstorms are expected across portions of the southern mid-Atlantic, the Carolinas, the Southeast, and Florida. Scattered afternoon and evening showers and thunderstorms will develop across portions of California, the Great Basin, the northern Rockies, the Four Corners, and the northern Plains. Strong thunderstorms may impact the coastal ranges south of San Francisco Bay, and adjacent portions of the San Joaquin Valley, late this afternoon into early evening.

## Tomorrow

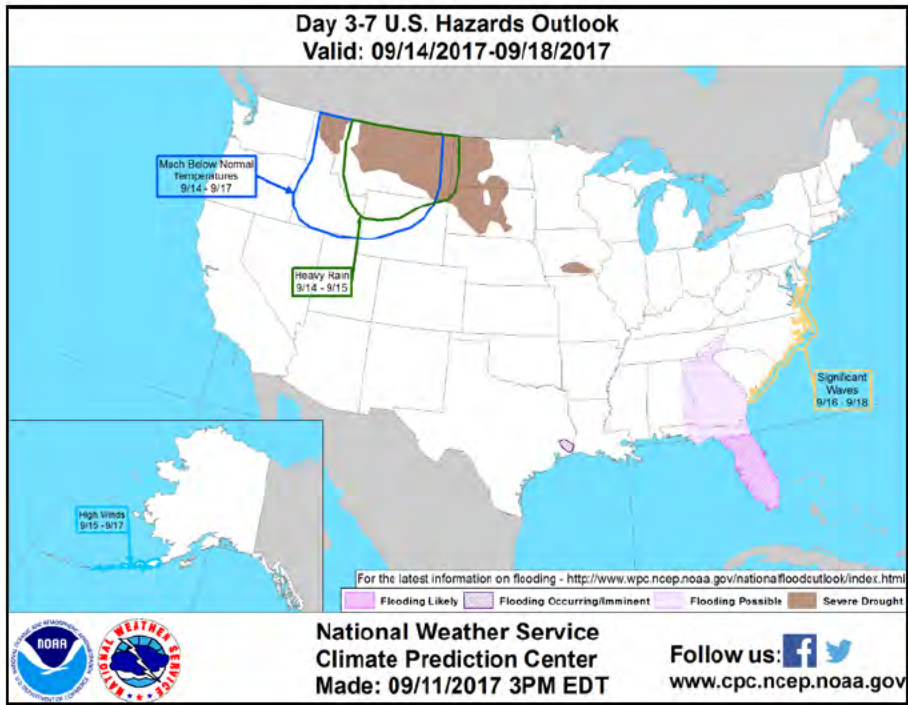
Rain and rain showers will continue across the portions of the Ohio and Tennessee valleys, parts of the South, and southern Louisiana. Rain and thunderstorms are expected over the eastern Great Lakes, the Northeast, most of the East Coast, the Southeast, and Florida. A frontal system will extend from the upper Midwest across the northern Plains to the northern Rockies and the Great Basin. Expect afternoon and evening showers and thunderstorms from the Southwest through the Great Basin and the Rockies into the northern Plains and upper Midwest.



## Weather Hazard Assessment

- September 14-15: Heavy rain for the northern Rockies and the northern high Plains.
- September 14-17: Much below-normal temperatures for the northern Rockies and the northern high Plains.
- September 15-17: High winds for parts of the Aleutian Islands and the Alaska Peninsula.
- September 16-18: Significant waves shifting north from the Carolinas to the mid-Atlantic.
- September 19-21: Heavy rain from north-central portions of Florida to North Carolina and Kentucky, extending as far west as western Tennessee.



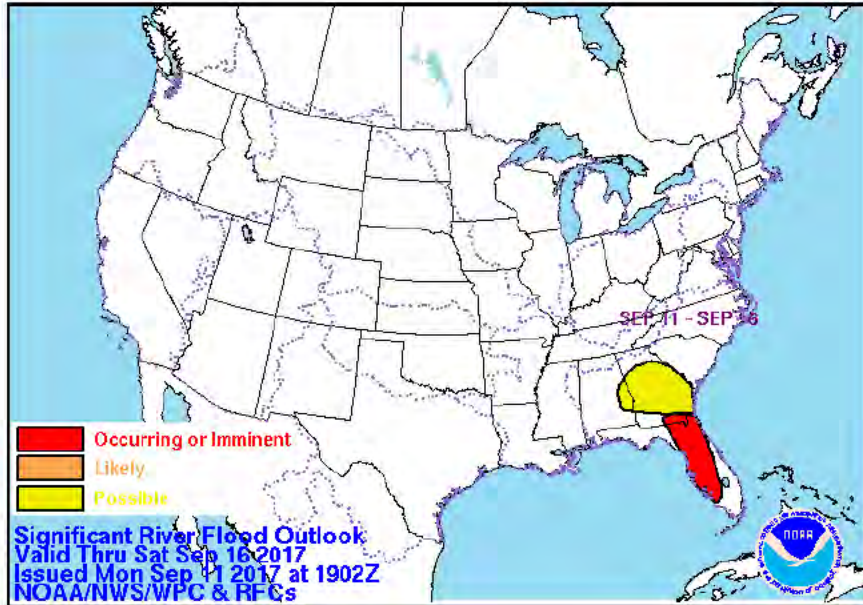


## Alaska Weather

A Gale Warning is in effect from the Bering Sea Offshore and St. Matthew Islands Water. A Small Craft Advisory is in effect from Cape Thompson to Flaxman Island, Kiska to Attu, Point Bede, Dall Point to Wales, the Pribilof Islands, Norton Sound, Kotzebue Sound, and north and west of Nunivak Island to Bristol Bay. A Winter Weather Advisory is in effect from Iniakuk Lake to Coleen River.



## Significant River Flooding



Significant flooding is occurring, imminent, or possible for Florida, Georgia, and eastern Alabama.

## Severe Weather



There is a Marginal Risk of severe thunderstorms forecast for late this afternoon and evening across the southern California coastal ranges south of the San Francisco Bay and adjacent portions of the San Joaquin Valley.

## Tornado Weather

There is less than a 2-percent chance of Tornado activity across the U.S. today.

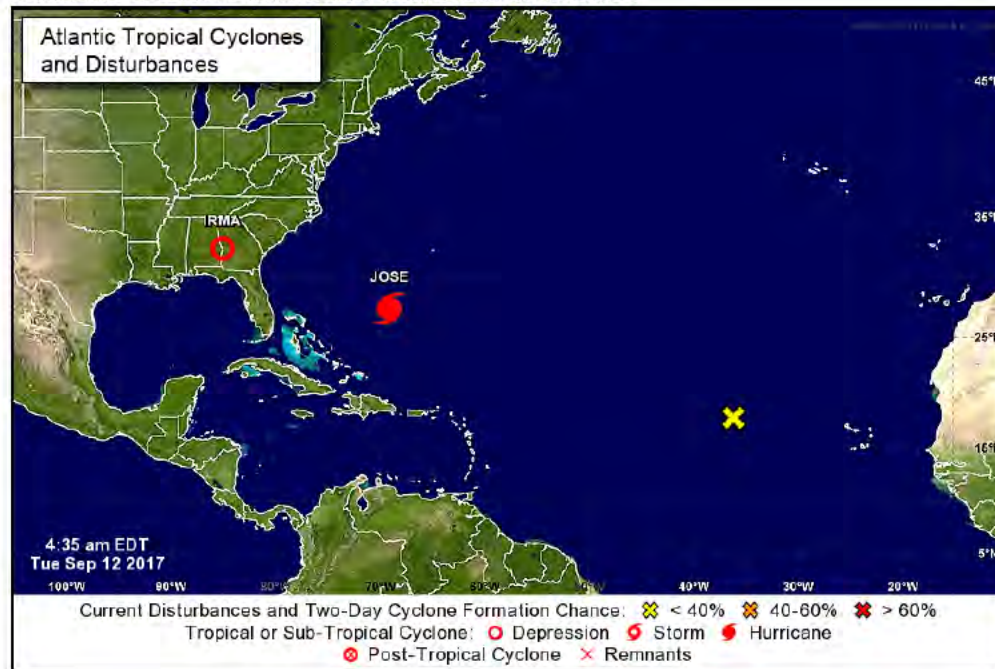
## Fire Weather

There is no Critical Fire Weather forecast for today.

## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – September 12, 2017*

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



### Area 1

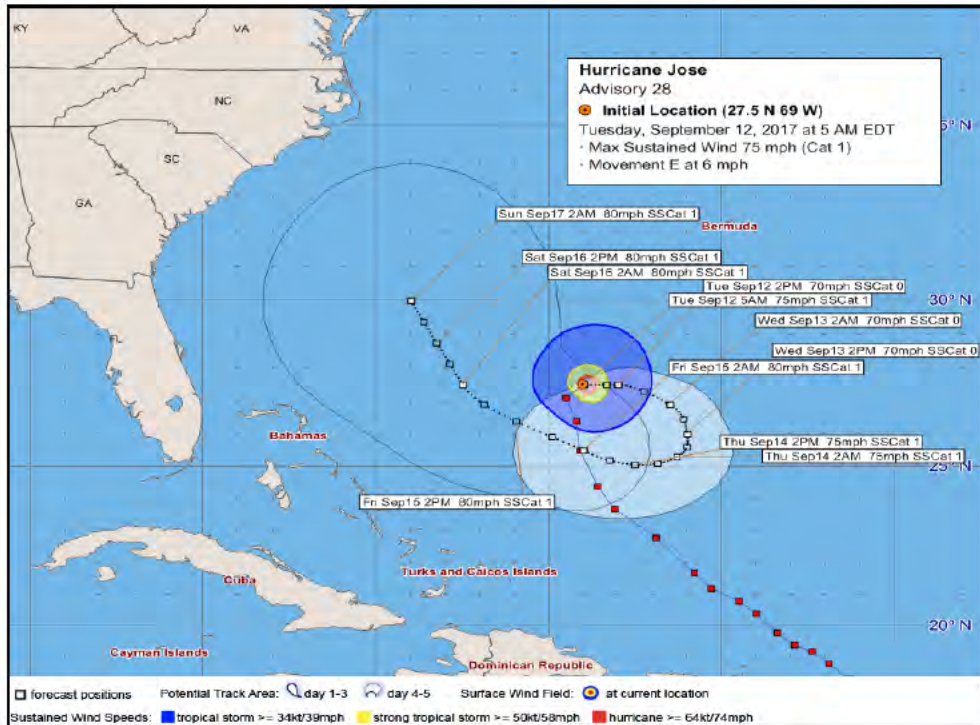
Widespread showers and thunderstorms associated with a tropical wave located several hundred miles west of the Cabo Verde Islands are poorly organized. Upper-level winds are not expected to support significant development while the system moves northwestward to northward for the next few days. There is a 10-percent chance of tropical formation through the next 48 hours.

**Post-Tropical Cyclone Irma:** Is summarized at the beginning of this report.

### Hurricane Jose:

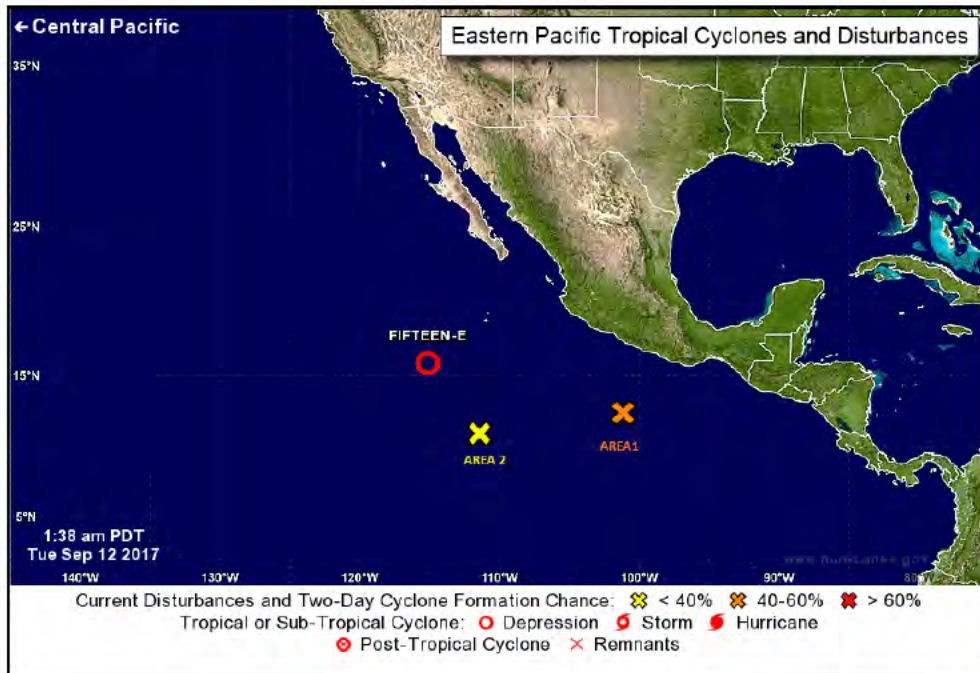
At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 435 miles north-northeast of Grand Turk Island. Jose is moving toward the east near 10 mph, and this motion is expected to continue today, with a turn toward the southeast tonight, followed by a southwestern turn on Wednesday. Maximum sustained winds have decreased to near 75 mph with higher gusts.

Additional weakening is forecast during the next 24-48 hours and Jose could become a tropical storm later today. There are no coastal watches or warnings in effect.



HURREVAC image

### Eastern Pacific Ocean



## Area 1

A trough of low pressure located a couple of hundred miles south of the southern coast of Mexico is producing widespread disorganized showers and thunderstorms. Environmental conditions are forecast to be conducive for development, and a tropical depression is likely to form toward the end of the week while the system moves slowly northwestward. This system has a 50-percent chance of becoming tropical formation through the next 48 hours.

## Area 2

Another area of low pressure is expected to form several hundred miles south-southwest of the Baja California peninsula during the next couple of days. After that time, environmental conditions are expected to be conducive for gradual development while it moves slowly northward. This system has a 50-percent chance of becoming tropical formation through the next 48 hours.

## Tropical Depression 15-E



HURREVAC image

At 5:00 a.m. EDT, the center of Tropical Depression 15-E was located about 745 miles west-southwest of Manzanillo, Mexico. The depression is moving toward the west near 15 mph. A west-southwestward motion at a slower speed is expected later today followed by a turn back toward the west on Wednesday. Maximum sustained winds are near 30 mph with higher gusts. Little change in strength is forecast during the next 48 hours. There are no coastal watches or warnings in effect.

## **Other News and Notes**

*Source: U.S. Department of Homeland Security – September 12, 2017*

The United Nations will host the 72nd Regular Session of the United Nations General Assembly (UNGA) in New York, NY from September 12 – 25. This event has received a Special Event Assessment Rating. This event is also designated as a National Special Security Event from September 17 – 22 when the President of the United States is scheduled to attend along with as many as 120 heads of state and other dignitaries.

The U.S. Secret Service (USSS) is the lead federal law enforcement and coordinating agency. The Federal Bureau of Investigation (FBI) is the lead agency for intelligence and counterterrorism. The New York City Police Department is the lead local law enforcement and public safety organization. The USSS will operate a Multi-Agency Communications Center in Brooklyn, NY. The FBI will operate a Joint Operations Center and an Intelligence Operations Center in New York. The Federal Emergency Management Agency is the lead federal agency for emergency and consequence management.

The Federal Aviation Administration (FAA) has established Temporary Flight Restrictions on September 15 – 26 from 8:00 a.m. to 5:00 p.m. EDT daily in and around New York during the UNGA, which will affect airport operations and restrict certain types of flight operations.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, September 13, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

**Post-Tropical Cyclone Irma**

**DOI Mission Assignments as of September 13, 2017:**

There are currently a total of 220 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #4 9/12/2017 GA-3387EM- GA-USFS-02	DOI & US Forest Service (USFS)	Request USFS and DOI provide resources for emergency road clearing for State/Territory/Tribe in support of FEMA response operations.	\$3,500,000	60 personnel (DOI & USFS - 12 DOI have been deployed so far)	Georgia
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations	\$200,000	6 personnel	Puerto Rico

		related to Irma			
ESF #5 9/7/2017 GA- 17083101- USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC- 17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL- 17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000		St. Augustine, FL Per NPS update on Sept. 12, the 1 person under this MA has been released and is returning to home park on Sept. 13.
ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ



<p>ESF- #13 MA#3385E M-FL-USDJ-01</p>	<p>Office of Law Enforcement and Security</p>	<p>Provide Law Enforcement Support for ESF-8 and ESF-9</p>	<p>DOI sub-tasked under DOJ's MA; total MA is \$7,269,245</p>	<p>(140 personnel + 2 personnel w BIA bunkhouse) DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS Refuge  DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER 25 - FWS-OLE  DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER 13 - USPP 8 - NPS 2 - OIG 2 - OLES  DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER 25 - BLM  DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER 25 - BIA/TRIBAL  DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1  BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER 2 - BIA support personnel</p>	<p>DOI IRMA QRT 2 checking in at Moody today. DOI IRMA QRTs 1, 3-6 en route to Moody.  DOI IRMA QRT 7 : STANDBY</p>
<p>Non ESF 9/12/2017 MA: 1509-239533</p>	<p>US Department of the Interior (DOI) &amp; DHS</p>	<p>US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team</p>	<p>\$700,000</p>	<p>30 personnel (not deployed yet)</p>	<p>Anniston, AL</p>

## **DOI Bureau and Office Reporting:**

### **National Park Service - Irma Update**

*Source: National Park Service – September 12, 2017*

The National Park Service (NPS) continues to monitor the progress of recovery operations and is standing by to respond to requests for assistance by park units, DOI Bureaus and Offices, or other Federal Agencies. Employee safety and accountability for employees of the impacted parks remain the top priority of the NPS. The Eastern Incident Management Team (EIMT) has relocated its response operations to Everglades National Park. It continues coordinating the bureau's response to parks impacted by Irma. NPS resources are mobilizing and are en route to affected parks to support employee emergency needs, conduct damage assessments, and remove debris in the affected areas. National Park sites assisted by the team are widespread and include all of the national parks in South Florida, the Caribbean, and along the Atlantic coast. Approximately 75 National Park Service employees from outside the impacted areas are working in the parks or are en route, with additional resources expected in the coming days.

The status of NPS park units are provided below:

#### **Caribbean**

- *Christiansted National Historic Park* - The park remains closed and is still without power. Once power has been restored, the park will reopen.
- *Virgin Islands National Park* - The park is closed. Members of the Northeast Region Law Enforcement SET team, an Operations Section Chief, and a Safety Officer arrived at the park on September 11 to support restoration efforts. The park continues to conduct debris removal and providing assistance the community.
- *San Juan National Historic Site* - The park is open and has returned to normal operations.

#### **Florida**

- *Big Cypress National Preserve* - The park remains closed. There is one employee still unaccounted for, but is believed to okay, just out of communication. The park has requested generators until power has been fully restored. Sustained damage to the area makes it difficult to provide emergency services to those in need.
- *Everglades National Park* - The park remains closed and still has 23 unaccounted employees. The Emergency Incident Coordination Center (EICC) is working with the EIMT and park leadership to continue to reach these employees. The Visitor Center has suffered major damage. Most employees have major flooding damage to their homes and will be relocated into park housing. The U.S. Coast Guard has scheduled a flight over Dry Tortugas (DRTO) per the Superintendent's request. Key Largo has minimal damage and some debris.

- *Biscayne National Park*- The park remains closed and all employees are accounted for. Access to the park has been established and damage assessments have begun. Internet service has been restored. An overflight has been requested to assess the islands and the park expects to have a vessel in the water today or tomorrow.
- *Castillo de San Marcos National Monument*- The park remains closed and all employees are accounted for. Initial damage assessments of the park have commenced. The Headquarters and the Fort have power and only suffered minor damage. The grounds are covered in debris, including two very large trees on the green that will require removal. An assessment team and saw crew are requested to assist with the large trees and limbs on the grounds from oaks and cedars.

## **Georgia**

- *Cumberland Island National Seashore/ Fort Frederica National Monument* -The park remains closed and all employees are accounted for. Camden County is requesting that residents not return in order to avoid sewage issues. Fort Frederica is accessible, but will require significant clean up efforts.
- *Fort Pulaski National Monument* - The park remains closed and all employees are accounted for. Tybee Island had significant flooding and is currently without power. Damage assessments to personal property has begun. Some employees are still without power. Portions of Hwy 80, the Bull River Bridge, and the Fort Pulaski Bridge have all been closed until they can be inspected by the Georgia Department of Transportation (DOT). The park is requesting a Damage Assessment Team as well as a Critical Incident Stress Management Team.

## **U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service – September 12, 2017

The U.S. Fish and Wildlife Service (FWS) reports that they have 73 stations closed in the Southeast Region at this time, 57 stations are closed due to Hurricane Irma. All employees are accounted for and safe.

The FWS IMT continues to prioritize its task force requirements. Two FWS IMTs arrived in Tallahassee yesterday morning and the Saw Team from North Carolina traveled to Okefenokee National Wildlife Refuge (NWR).

The following USFWS station updates have been provided:

### **Caribbean**

- *Caribbean Ecological Services (ES)*: Most stations in the Caribbean remain closed with the exception of the Maricao Station. FWS Representatives met with FEMA environmental officers to discuss issues concerning the emergency Endangered Species Act (ESA), while also providing FEMA with guidance on the Virgin islands tree boa, sea turtles, and listed plant species.

## Florida

- Florida Keys Complex: The Refuge remains closed and is still not accessible for damage assessment, significant damage is anticipated. The Special Operations Response Team (SORT) team reports that the Key Largo office appears to be intact. Potable water, electricity, food, or cellular service are unavailable in the lower Keys at this time.
- South West Florida Complex: The Refuge remains closed and is still without power.
- Ding Darling NWR: The Refuge remains closed. The SORT team assisted Refuge personnel with clearing downed trees, opening up some of the refuge's roads and access to maintenance facility. The Refuge has a need for sawyers to aid in the process of cleanup and recovery.
- Lower Suwannee NWR: The Refuge remains closed without power or internet service. Several downed trees still need to be removed from roads and trails within the refuge.
- Everglades Headwaters NWR: The Refuge remains closed while damage assessments continue. Power outages continue.
- Merritt Island NWR Complex: The Refuge remains closed and power outages continue. An IMT is en route to resupply limited potable water, and all public access facilities are flooded. The Refuge is requesting aerial support to assess the extent of damage.
- Office of Law Enforcement-Miami Office: The Station remains closed. A few birds in holding at the Miami OLE office have perished. Most employees in the area remain without power in their residences. there is a fuel crisis throughout the city.
- Office of Law Enforcement-Tampa Office: The Tampa Station remains closed and the Groveland office is without power. Some residences have sustained damage and most employees' residences remain without power.

## Georgia

- Okefenokee NWR: An IMT is scheduled to arrive sometime today. The internet is down and the Refuge is in need of propane.
- Piedmont NWR: The Refuge remains closed without power or internet access. There are downed trees requiring removal.
- Georgia Ecological Services Offices: The Athens office has power and there is no access to the Coastal office at this time. One employee reported a tree fell onto their residence.

## **South Carolina**

- *Charleston Ecological Services Office:* The Station remains closed with minor water damage.

### **Bureau of Indian Affairs - Irma Update**

*Source: Bureau of Indian Affairs (BIA) – September 12, 2017*

#### ***Seminole Tribe of Florida:***

The Tribe is operating four shelters with a total population of 39 members. The Brighton, and Hollywood Reservations remain without power. A request to Indian Health Services has been submitted to supplement the stock of prescription medications. Initial damage assessments have indicated minimal to moderate damages to the reservations. Door-to-door damage assessments continue.

#### ***Miccosukee Tribe of Indians:***

There is no cell phone service or power, and a generator at the shelter is out. Additionally, it is being reported that the Tribe is running low on diesel fuel. A Senior Center is providing food for tribal members and first responders. Door-to-door damage assessments have been initiated.

#### ***Poarch Band of Creek Indians (Alabama)***

The Poarch Band of Creek Indians was included in approved Emergency Declaration for the State. The Tribe continues to monitor the progress of the storm.

#### ***Mississippi Band of Choctaw (Mississippi):***

The Tribe continues to monitor the progress of the storm.

#### ***Catawba Indian Nation (South Carolina):***

The Tribe continues to monitor the progress of the storm.

#### ***Eastern Band of Cherokee (North Carolina):***

Approximately 400 tribal members are being affected by a power outage affecting the communities of Big Y, Wolf Town, and Big Cove. The Tribe and the Power company are clearing debris in the area. There are no unmet needs.

## **Other Government Agency Reporting:**

### **Federal Emergency Management Agency Irma Update**

*Source: FEMA National Situation Report – September 13, 2017*

The affected areas continue to deal with the recovery stages from the residual effects of storm damages, power outages, and flooding. Protecting lives and the safety of those impacted by Irma continues to be the primary objective.

The remnants of Irma continue to linger in the Tennessee and Ohio valleys bringing isolated periods of heavy precipitation as it gradually dissipates and moves up into the Mississippi Valley. Flood and Coastal Flood Warnings remain in northeastern Florida. Moderate to major flooding is ongoing; several rivers are expected to stay at major flood stage into next week.

The U.S. Virgin Islands (USVI) Fusion Center reports that there are two generators online, restoring power to the airport and the hospital. The U.S. National Guard supported the evacuation of more than 1,100 evacuees from the USVI, and approximately 12,000 U.S. citizens from Puerto Rico in the last 48 hours.

In Florida, one of the largest power restoration efforts in U.S. History is underway with more than 50,000 electrical support personnel activated through mutual aid agreements to support millions of residences without power. Power is expected to be restored on Florida's east coast by September 17, and on the west coast by September 22. The initial damage assessment and restoration activities to communications infrastructure are being affected by lack of access to the Florida Keys. The temporary fuel shortage is expected to lessen by the end of the week with the reopening of port Everglades and Tampa, the two main ports used for fuel delivery.

### **Activations**

- FEMA Region II: RRCC at Level I day shift, Level II night shift with ESF 1,3,6, 8,12,13,& 15
- FEMA Region II IMAT locations;Region II IMAT-A in USVI; Region II IMAT-B in USVI; Region II IMAT-C in Puerto Rico, Region X IMAT: San Juan, Puerto Rico
- USVI: EOC at Full Activation; state of emergency declared
- Puerto Rico: EOC at Level IV, Full Activation; state of emergency declared

#### FEMA Region IV:

- RRCC at Level I (Full Activation)
- Region IV IMAT 1 at Florida EOC and Region IV IMAT-2 at Georgia EOC
- Region IV Liaison Officers (LNO) on site at EOCs in Florida, South Carolina, Georgia, North Carolina, Alabama & Seminole Tribe (1 each)
- Region III IMAT deployed to Alabama EOC
- Florida: EOC at Level I (Full Activation); State of Emergency declared for 67 counties  
Seminole Tribe of Florida: EOC at Full Activation (24/7, all ESFs)
- Miccosukee Tribe: Two EOCs at Full Activation

- Georgia: EOC at Level I (Full Activation); Governor issued state of emergency
- Alabama: EOC a Level I (Full Activation). Governor issued state of emergency
- North Carolina: EOC at Level I (Full Activation)
- South Carolina: EOC at OPCON 1 (Full Activation)
- Mississippi: EOC at Partial Activation
- Tennessee: EOC at Monitoring
- Kentucky: EOC at Monitoring

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 13, 2017:**

There are currently a total of 67 DOI Personnel supporting the response under the FEMA mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	(29 total) 7 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	(31 total) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work	Corpus Christi, TX along the coast through the Houston impact area
ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000	4 personnel flagging HWMs.	southwest Louisiana
ESF #8	National Park Service (NPS)	Support patient movement and HHS Operations Center		2 personnel: one in TX and one in DC	3 personnel total deployed for mission assignments under ESF-8 for Harvey. 1 officer has returned home and is on alert for Irma. The other 2 remain on Harvey

					assignments
ESF #15 09/03/2017 4332DR- TX_DOI-09	Office of Communications	Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	1 person (USGS)	Austin, TX
Natural Cultural Resources (NCR) RSF 4332DR- TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10	Austin, TX

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 13, 2017*

The **Tohakum 2** in Nevada Fire reached 100% containment and will no longer be summarized in this report.

### **Montana**

#### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 14,795 (+363)
- Containment: 60-percent (+13)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 151 (-1) / 62 (-1)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (-238) / 0 (-48)
- Evacuations / Shelter in place: 4 (+4) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as active during this reporting period with torching, backing, and spotting. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. Specific critical resources requested include Type-1 and Type-2 helicopters and two Type-2 crews. Flathead County has declared a State of Emergency. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy. Resource requests are critical due to the operational constraints of fire management within a national park that is of national political interest.





IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 27
East Fork	Rocky Boys Reservation, MT	BIA	3	21,896	90%	September 17
Bridge Creek	Ferry, WA	BIA	3	3,711	98%	September 20

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 13, 2017

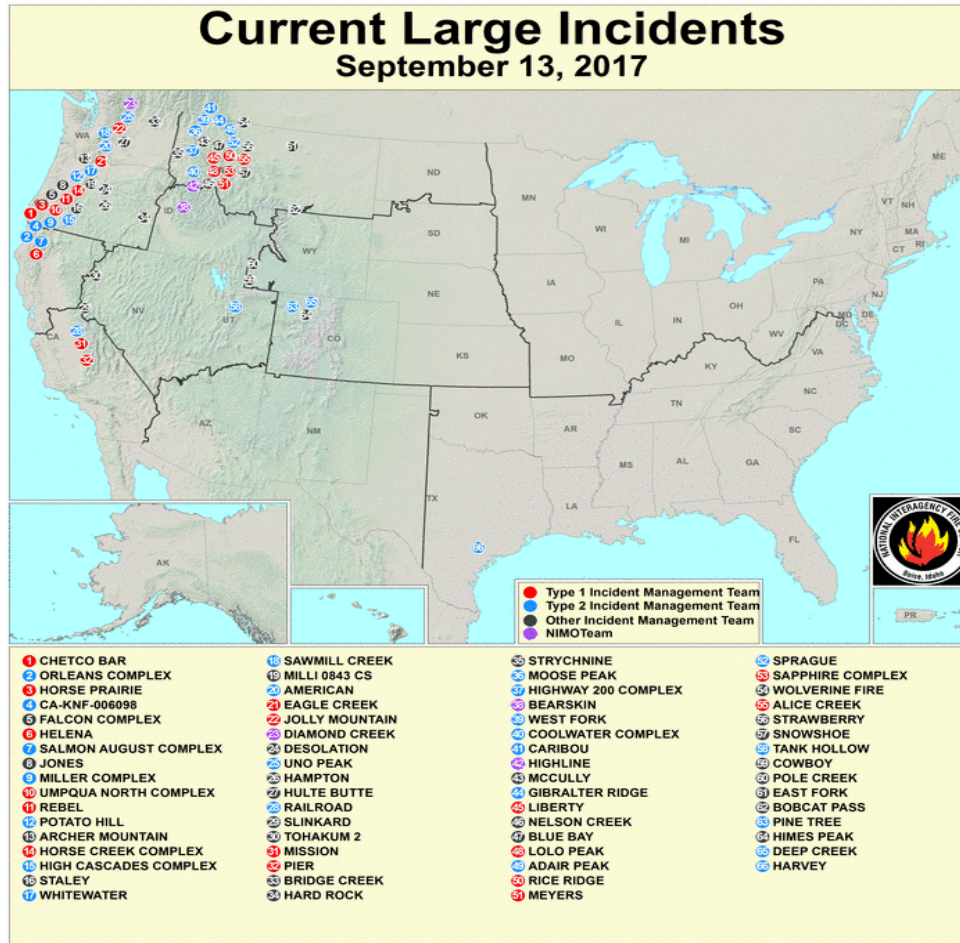
#### National Preparedness Level 5

#### National Fire Activity

Initial attack activity:	Light (168 new fires)
New large fires:	5
Large fires contained:	5
Uncontained large fires: **	39
Area Command Teams committed:	2
NIMOs committed:	3
Type 1 IMTs committed:	12
Type 2 IMTs committed:	24

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 12, 2017

Alert Level = **WATCH**

Color Code = **ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

## Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 12, 2017

Alert Level = WATCH

Color Code = ORANGE

Low-level unrest continues at Cleveland Volcano, no activity was observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 12, 2017

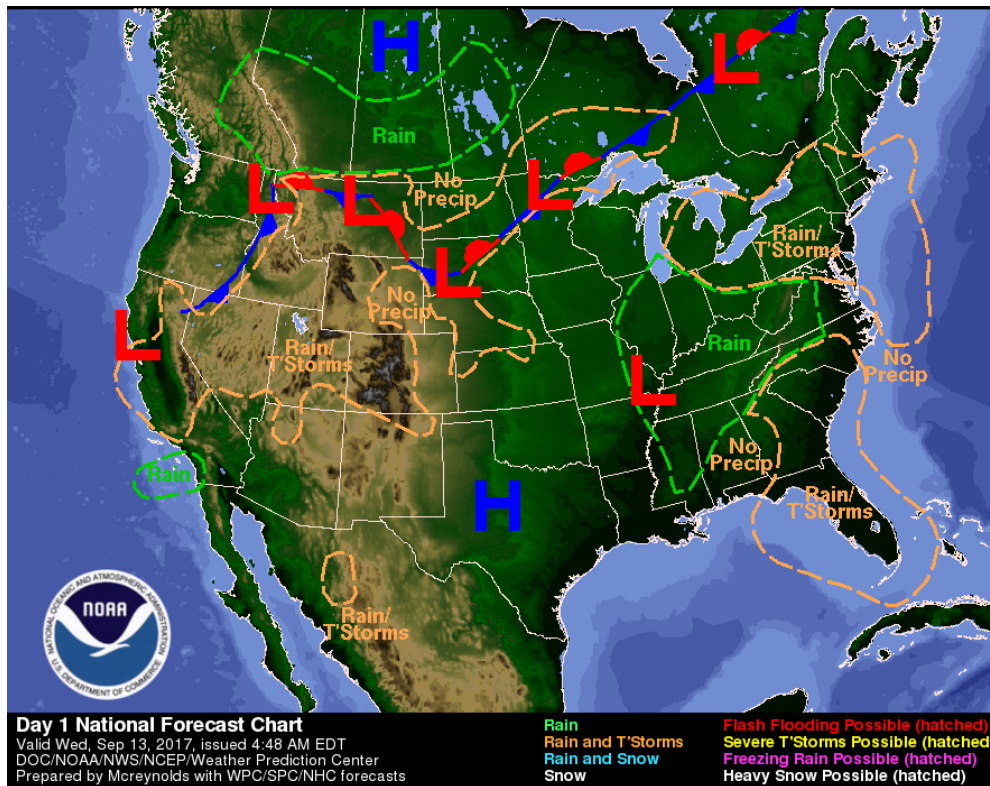
Alert Level = WATCH

Color Code = ORANGE

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - September 13, 2017



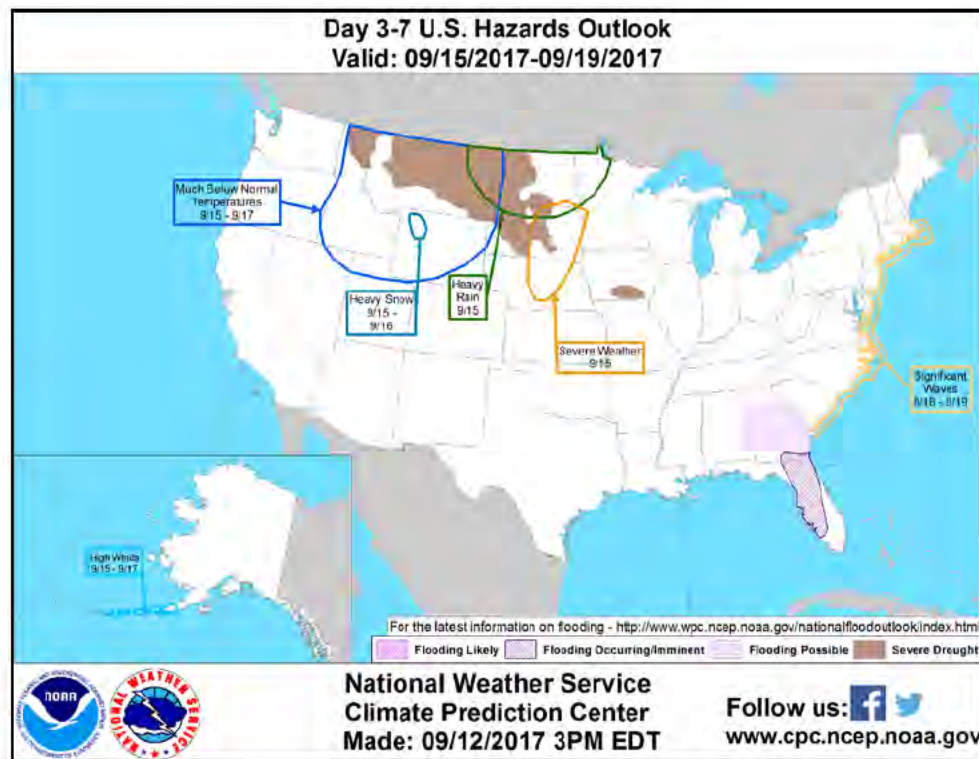
## Today

The remnants of Irma will be located over the lower Ohio and Tennessee valleys. Rain and thunderstorms are expected from the Mississippi River eastward to the East Coast. Showers and thunderstorms will once again develop over portions of California, the Great Basin, the Rockies, and the northern Great Plains.

## Tomorrow

Rain showers will be possible for portions of the central and southern Appalachians. Rain and thunderstorms will develop from the Northeast and New England south along the mid-Atlantic coast to Florida and the Gulf Coast to the Mississippi Delta region. Rain and thunderstorms will develop from the upper Midwest and western Great Lakes west across the northern Plains to the Rockies, the Four Corners, and the Great Basin. Isolated severe hail and wind storms are possible across parts of the upper Midwest and the Four Corners regions in the late afternoon. High elevation rain and/or snow is forecast for portions of the Rockies from Thursday night through Friday. This snow will slow the ongoing wildfires across the region. Light rain showers will be possible for a small portion of southern California.

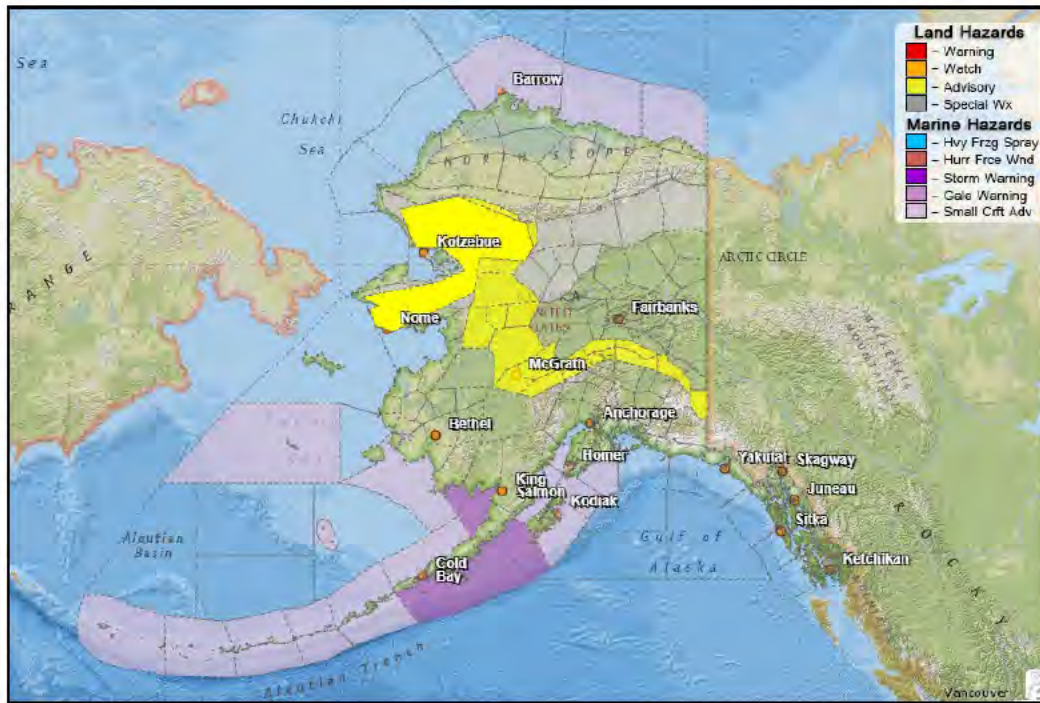
## Weather Hazard Assessment



- September 15: Heavy rain for parts of the northern Great Plains and Minnesota.
- September 15: Severe weather for parts of the northern and central Great Plains.
- September 15-16: Heavy snow for the higher elevations of western Wyoming.
- September 15-17: Much below-normal temperatures for the northern Rockies and the northern high Plains.

- September 15-17: High winds for parts of the Aleutians and the Alaska Peninsula.
- September 15-19: Flooding occurring or imminent across parts of Florida.
- September 15-19: Flooding possible across parts of Alabama and Georgia.
- September 16-19: Significant waves shifting north from the Carolinas to New England

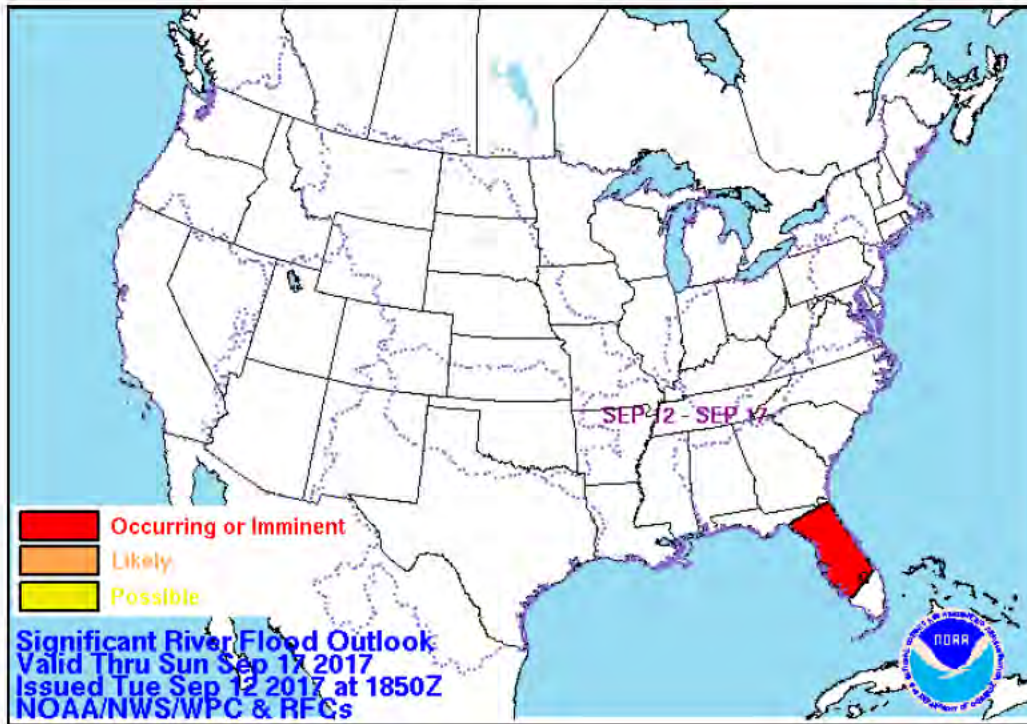
## Alaska Weather



A Gale Warning is in effect from Castle Cape to Sitkinak and Bristol Bay. A Small Craft Advisory is in effect from Point Franklin to Demarcation Point, from Kiska to Attu to Nikolski Bering and Pacific side, Port Heiden to Cape Sarichef, St. Matthew Island Waters to Cape Sarichef, the Pribilof Islands, Shuyak to Gore Point and Shelikof Strait to Point bede. A Wind Advisory is in effect for Shugnak to Chisana. A flood Advisory is in effect for lower Kobuk to Noatak valleys.

## Significant River Flooding

Significant flooding is occurring or imminent for Florida.



### Severe Weather

There are no severe thunderstorms forecast across the U.S. today

### Tornado Weather

There is less than a 2-percent chance of Tornado activity across the U.S. today.

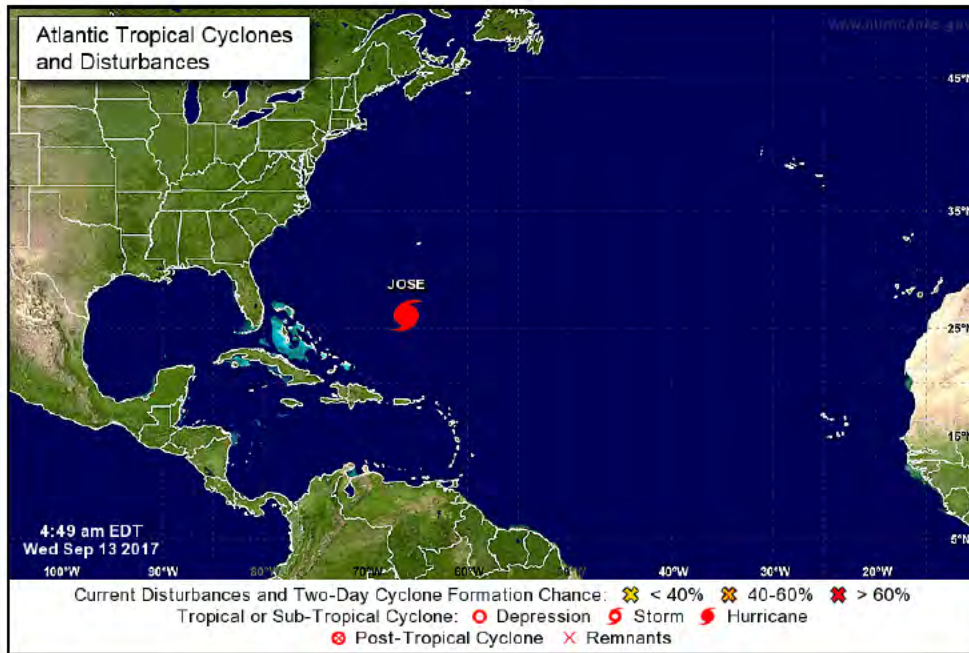
### Fire Weather

There is no Critical Fire Weather forecast for today.

### Tropical Weather Activity

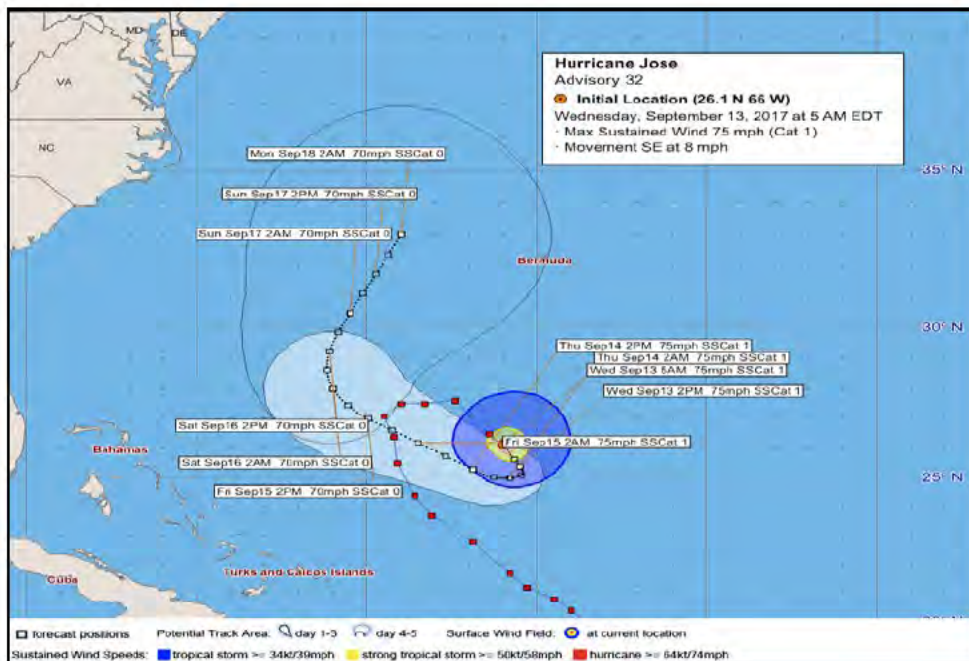
Source: National Weather Service/National Hurricane Center – September 13, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



### Hurricane Jose:

At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 505 miles east-northeast of the southeastern Bahamas. Jose is moving toward the southeast near 8 mph, and is expected to make a clockwise loop during the next 36-48 hours, moving west-northwestward by late Thursday. Maximum sustained winds are near 75 mph with higher gusts. Little change in strength is forecast during the next 48 hours. There are no coastal watches or warnings in effect.



HURREVAC image

## Eastern Pacific Ocean



### Area 1

Showers and thunderstorms associated with an area of low pressure, located a couple of hundred miles south of the southern coast of Mexico, have become better organized since yesterday. Locally heavy rains are expected to begin spreading inland over southwestern Mexico later this evening. This system has a 80-percent chance of becoming a tropical formation through the next 48 hours.

### Area 2

A broad area of low pressure located several hundred miles south of the southern tip of Baja California is producing disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for development of this system, and a tropical depression is likely to form by the end of the week while it moves slowly northward. This system has a 60-percent chance of becoming a tropical formation through the next 48 hours.

### Area 3

An area of low pressure is located more than 1,500 miles west-southwest of Baja California. Development of this system is expected to be slow to occur while it moves little during the next several days. This system has a 10-percent chance of becoming a tropical formation through the next 48 hours.



## Tropical Depression 15-E



HURREVAC image

At 5:00 a.m. EDT, the center of Tropical Depression 15-E was located about 830 miles southwest of the southern tip of Baja California, Mexico. The depression is moving toward the west near 15 mph. A west-southwestward motion at a slower speed is expected later today followed by a turn back toward the west on Wednesday. Maximum sustained winds are near 35 mph with higher gusts. Some strengthening is forecast, and the system could become a tropical storm sometime today. There are no coastal watches or warnings in effect.

*\*End of Report\**

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



**As of 8:00 a.m. EDT, Thursday, September 14, 2017**

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 5  
Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 2 (Severe Operations)**

**Irma Recovery and Response Efforts**

**DOI Mission Assignments as of September 14, 2017:**

There are currently a total of 194 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	6	PR-17090102-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma.					
5	USGS	Georgia Coast	\$135,000	10	GA-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.					
5	USGS	SC Coast	\$170,000	9	9/7/2017 SC-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event					

5	USGS	Florida Coast	\$482,500	18	3385EM-FL-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma.					
5	OEM	FEMA HQ	\$15,000	8	9/5/2017 FL-17083101-DOI-02
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
<b>Personnel Description:</b> One 24/7 position; supported by 8 DOI personnel.					
9	DOI	Virginia	\$5,000	1 (Not yet deployed)	9/12/2017 4337DR-FL-DOI-02
<b>Description:</b> Activate DOI representative as part of the Federal Search and Rescue Coordination Group (FSARCG)					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017 PR-17090102-DOI-01
<b>Description:</b> Support ESF #11 position activation at the NRCC.					
13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	142	MA#3385EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9					
<b>Location Description:</b> DOI IRMA QRTs 2, 3, 5 forward deployed to Hollywood, Florida, Wednesday 9/13 on the DFA mission to assist the Seminole Tribe.					
DOI IRMA QRTs 1, 4, and 6 will arrive at Moody Wednesday 9/13 and complete check in procedures. 2 BIA radio technicians have been added to the resource order for the BIA bunkhouse and will support DOI teams. They will arrive in theater Wednesday 9/13. DOI IRMA QRT 7: STANDBY					
<b>Personnel Description:</b> 140 personnel + 2 personnel w/BIA bunkhouse + 2 BIA Radio Technicians					

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER  
 9 - NPS  
 6 - FWS Refuge

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
 25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
 13 - USPP  
 8 - NPS  
 2 - OIG  
 2 - OLES

DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER  
 25 - BLM  
 DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
 25 - BIA/TRIBAL

DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER  
 FWS Refuge - 13  
 BLM - 5  
 NPS - 4  
 OIG - 2  
 OLES - 1

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
 2 - BIA support personnel

Non ESF	DOI & DHS	Anniston, AL	\$700,000	30 (not deployed yet)	9/12/2017
					MA: 4377DR-FL-DOI-03

**Description:** US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team.

Non ESF	BIA	FL	\$15,000	1 (not deployed)	9/13/2017
					MA-FOS: VMAST2397463388FL-DOI-01

**Description:** BIA Liaison to FL to help coordinate with the FEMA Region-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017.

**DOI Emergency Support Function (ESF) Support:**

**ESF #9 (Search and Rescue)**

- ESF #9 - National Park Service (NPS): The Federal Search and Rescue Coordination Group (FSARCG) has demobilized and there will not be any additional reporting for this mission assignment.

**ESF #10 (Oil and Hazardous Materials Response)**

- ESF #10 - Office of Environmental Policy and Compliance (OEPC): The ESF #10 team is working with the United States Coast Guard (USCG) and others regarding a large number of boats that have washed up along the shores of the U.S. Virgin Islands. There has been no pollution, but there is a high risk of leakage. The USCG and others are developing an interagency agreement and salvaging plan.

**ESF #13 (Public Safety and Security)**

- ESF #13 - Office of Law Enforcement and Security (OLES): DOI IRMA Quick Response Teams (QRTs) 2, 3, and 5 forward deployed to Hollywood, Florida, yesterday on the Direct Federal Assistance (DFA) mission to assist the Seminole Tribe. DOI IRMA QRTs 1, 4, and 6 were scheduled to arrive at Moody Air Force Base yesterday and complete check in procedures. Two Bureau of Indian Affairs (BIA) radio technicians have been added to the resource order for the BIA bunkhouse and will support the DOI teams. The technicians were scheduled to arrive yesterday.

**DOI Bureau and Office Reporting:**

**National Park Service - Irma Update**

Source: National Park Service – September 13, 2017

The National Park Service (NPS) Eastern Incident Management Team (EIMT) established operations in Florida, and parks continue to conduct initial damage assessments. The EIMT is coordinating saw teams and assessment teams. This includes a team scheduled to visit the U.S. Virgin Islands. The team has provided guidance not to delay on conducting work, but to take photographs (before and after) recovery work. The EIMT also instructed teams to not work on cultural resource areas without notification. An incident action plan is scheduled for release on today. Situation reports will be distributed by the IMT.

After a peak of facility closures due to Irma, some lesser impacted sites are opening to the public. The following table shows open NPS sites as of 8:00 p.m. EDT, September 13.

Park	State/ Territory	Status
Christiansted National Historic Site/ Buck Island Reef National Monument/ Salt River Bay National Historical Park and Ecological Preserve	VI	Open

San Juan National Historic Site	PR	Open
Southeast Archeological Center	FL	Open
Gulf Islands National Seashore	FL	Open
Southeast Regional Office (Atlanta)	GA	Open
Chickamauga and Chattanooga National Military Park	GA	Open
Chattahoochee River National Recreation Area	GA	Open
Jimmy Carter National Historic Site	GA	Open
Martin Luther King Jr., National Historic Site	GA	Open
Kennesaw Mountain National Battlefield	GA	Open
Congaree National Park	SC	Open.
Cowpens National Battlefield, Kings Mountain National Military Park, Ninety Six National Historic Site	SC	Open
Moore's Creek National Battlefield	NC	Open
Great Smoky Mountains National Park	NC	Oconaluftee Visitor Center Open
Blue Ridge Parkway	NC	Delayed Openings Wed for some areas
Carl Sandburg Home National Historic Site	NC	Open
Little River Canyon National Preserve / Russell Cave National Monument	AL	Visitor Center Closed
Natchez Trace Parkway	AL	Open
Horseshoe Bend National Military Park	AL	Open
Tuskegee Airmen National Historic Site, Tuskegee Institute National Historic Site, Selma to Montgomery National Historic Trail	AL	Open
Great Smoky Mountains National Park	TN	Sugarlands Visitor Center Open. Cades Cove and Elkmont Campgrounds open.
Shiloh National Military Park	TN	Open
Fort Donelson National Battlefield	TN	Open
Stones River National Battlefield	TN	Open

Natchez Trace Parkway	TN	Open
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**Big Cypress (BICY)** - There is no power or phone in many places and rationing of fuel is active in the area. The park will be closed through the weekend. The primary concern is displaced employees. As able, the park is moving displaced employees and families to park housing. There are several employees with significant damage to homes. Power restoration estimates are set for September 22. The park has requested six generators (with fuel). The park has also requested 20 portable toilets and wash/shower stations for about 30 individuals.

**Biscayne (BISC)** - Closed and all employees accounted for. The park is attempting to clear the road to HQ, the launch ramp, and maintenance area. When roads are safe they will continue assessment and move employees back to park as able.

**Everglades (EVER) / Dry Tortugas (DRTO)** - Closed and there are five employees who have yet to be accounted for. The park is working with the EIMT and the Emergency Incident Coordination Center (EICC) to continue to try to contact these employees at their last known safe location. There was a flight to Flamingo September 13 for an initial damage assessment.

**De Soto (DESO)** - Closed and all employees accounted for. There is more damage than initially thought at the park. Extensive downed trees. The park may need support from the NPS after a more detailed assessment. Currently, there is no power to buildings and no phones or internet. Generators are operational for NPS buildings.

**Canaveral (CANA)** - Closed and all employees accounted for. The Apollo District and Seminole Rest Historic Site are still without power. Power is back on at the HQ and IT server is up and running. All employees are accounted for, most still don't have power at their residences. Damage to several docks and boardwalks will continue to assessment damages. Cleanup up and debris removal has begun.

**Castillo de San Marcos (CASA) / Fort Matanzas (FOMA)** - Closed and all employees accounted for. Many employees are returning to area September 13. Local park IMT assessed CASA yesterday and will head to FOMA September 13 to conduct an assessment. The road into the park is partially blocked by trees so the team will need to work their way in by foot.

**Timucuan (TIMU)** - Closed and all employees accounted for. The Park has power and internet at headquarters. FOCA Visitor Center is without power and likely the entire KP district. Park staff is reporting for duty with the exception of a few employees who are on annual leave or dealing with storm damage. One employee's house was flooded and that individual will be displaced for a while. The park is temporarily providing housing for him and his family. The park will remain closed while staff conducts post storm assessments. There was damage to parts of the fort wall and the dock at Fort Caroline was also damaged. Parts of the park will open slowly once they are determined to be safe. The Broward House has several windows in the front of the house that were broken during the storm and are in need of replacement. No water damage has been observed. The Park is currently coordinating with the City of Jacksonville and the Florida Park Service to share recovery resources.

**Fort Pulaski (FOPU)** - Closed and all employees accounted for. Two personnel have homes that were affected and they are assessing the damages. Initial assessment completed. The Fort and Visitor Center (VC) were still inundated by water and not accessible. Water was receding September 13. Pumps seem to be working. Water wells appear to have been compromised. The Maintenance area received about 16 inches of water. The park headquarters received water in the garage area, but otherwise not affected. Power was restored to Park HQ this morning. The IT Server is up and running. The West End Bunker, where most supplies and machinery are located did not receive any water damage. A Public Health Officer was requested through the EICC to assist us with well and sewage.

**Cumberland Island (CUIS) / Fort Frederica (FOFR)** - Closed and one employee at Fort Frederica that was accounted for, has now checked in with her supervisor. The CUIS visitor dock where visitors embark and disembark on the ferry is destroyed. The park's fuel dock is severely damaged. The GSA warehouse's south end has no roof, the north end seems sound; the interior of this building is unknown at this time. The CUIS museum building took on water, but is minor. The CUIS maintenance building took on 2-feet of water and needs to be dried out, this is a low priority. The utility rooms and elevator shaft at the VC hasn't been assessed yet but is adjacent to the maintenance building so most likely took on 2-feet of water as well. There has been no assessment of the HQ building at this time; the visitor parking lot has numerous downed live oak trees. There is a lot of debris in the water at the waterfront- 6 boats, one that is sunk, plus the concrete, rebar and styrofoam associated with broken docks. There is no power.

**Southern Florida Caribbean Network (SFCN)** - Closed and all employees accounted for. No damage to vehicles or boats. Garage was flooded with six feet of water. Power may be restored by Friday. Most staff do not have power in their homes.

**Fort Sumter (FOSU)** - Closed, all employees accounted for and back to work.

**Andersonville (ANDE)** - Closed, all employees accounted for. No power at the facility. Will need tree removal. Two large generators were requested.

**Blue Ridge Parkway (BLRI)** - Partial Open, all employees accounted for. Scope of tree fall is significant throughout the NC sections, assessments still being conducted this morning and some areas have still not been accessed to determine conditions. No regional support anticipated or needed at this time. All VA road sections and facilities open by noon, September 13. HQ offices in Asheville will be open at noon today. Some closure areas throughout NC are expected to last through Friday this week. Pisgah Inn Concession remains without power and closed through today. No major loss or damage to infrastructure has been determined.

**Ocmulgee (OCMU)** - Closed and all employees accounted for. Some are still without power. The visitor center does have power, phones, internet but the maintenance complex is still without power and inaccessible due to down trees/power lines. Park saw crews and local tree services is making progress in getting park roads and the visitor center grounds cleared. Anticipate a partial reopening soon (visitor center area). All trails will remain closed due to considerable tree



damage. All park structures, housing units and vehicles are intact and undamaged. OCMU will conduct damage assessments at the satellite property (Lamar Mounds) when water levels recede. No immediate resource needs at this time. Saw crews will be needed at a later date to reopen trails.

### **U.S. Fish and Wildlife Service - Irma Update**

*Source: U.S. Fish and Wildlife Service (FWS) – September 13, 2017*

The U.S. Fish and Wildlife Service (FWS) reports 56 FWS stations closed in the Service's Southeast Region (R4), due to Hurricane Irma.

Since the onset of Hurricane Harvey, there have been several requests for personnel to support many different needs, both departmentally and for FEMA (i.e in support of Emergency Support Functions and Housing Inspectors). FWS will coordinate both types of request with the Department to ensure that volunteers aren't double counted and that skill sets are maximized.

**Region 4 Emergency Management Coordinator (EMC):** Arrangements were made for Meals Ready to Eat (MREs) and a water trailer to be transported to the Florida (FL) Keys on September 13. The DOI Emergency Management Council (EMC) is working with the FEMA Incident Management Assistance Teams (IMAT) and the U.S. Navy to arrange for FWS responders to obtain lodging on board the USS Iwo Jima, USS New York, and USS Mayport, as not to displace Floridians competing for housing resources. The National Guard is using the New Visitor Center on US1 National Key Deer Refuge - Big Pine Key FL. The National Guard is using the location as a commodity distribution point for citizens to get bottled water, MRE, etc.

**Incident Management Team (IMT):** The IMT has experienced logistical challenges with driving to FL stations. The IMT's Task force #3 has an objective to arrive at FL Panther NWR September 13 with a generator. The IMT's Saw Strike Team will be mobilized and heading to Ding Darling NWR first. The IMT is requesting refuge managers inform the IMT if they have had a fuel delivery or know of other fueling points.

**Special Operations Response Team (SORT):** The SORT has 4 additional officers in route for additional Refuge security. This morning team was staged at Key Deer NWR and was in Key Largo. The team reported there are no open businesses, no cell coverage south of Key Largo. As of September 13, the team is well supplied with water and food and is focusing on keeping up security. Looting is a major problem.

**Facilities Management:** Facilities Management has someone headed to Savannah NWR to inspect the levees.

The following USFWS station updates have been provided:

#### **Caribbean (most stations remain closed)**

- *Caribbean Ecological Services (ES) Field Office (Boquerón, Cabo Rojo, Puerto Rico):* Station is in conversations with FEMA and NPS for potential options for transportation to get an employee off St. Thomas and transported to St. Croix. Clean up activities at

Iguaca Aviary will continue. Additional ES staff from Boqueron has been assigned to assist with cleanup at the Aviary. Completion of damage assessment is still pending. Due to the amount of fallen trees and overhead safety concerns to staff and cages still exists within the aviary compound. Areas around the breeding cages have not been cleaned up or fully assessed. Fire Crew Boss performed safety assessment and a USFWS Fire Crew is expected to arrive today to help with the removal of trees.

## Florida

- ARM Loxahatchee NWR: The Refuge needs an engineer to evaluate the fishing pier, a saw crew at the Hobe Sound NWR to clear trails at the Nature Center and Headquarters, and IT Assistance with Refuges homepages & Facebook sites.
- South West Florida Complex: The Refuge remains closed. Those residing in Refuge housing are told to stay away until water and septic can be restored. All but 1 employee is without power as of tonight. A generator is needed to run a water well and bunk house.
- Welaka National Fish Hatchery: The facility is closed to the public. The Welaka Unit had power restored on September 13; the new office is now functioning. The Beecher Unit is still without power. The standby generator is running at the Beecher Unit and will only run on an as-needed basis to conserve propane. Staff is still assessing damages and working on cleanup. A Heavy Equipment/Chainsaw crew is scheduled to be on station September 14.

## Georgia

- Okefenokee NWR: **The** Refuge will remain closed to the public until further notice. Employees are being called-in on an as-needed basis only.
- Georgia Ecological Services Offices: The Athens office is open; the Coastal office will remain closed until after access and inspection.

## South Carolina

- Bears Bluff NFH/Wadmalaw Island FWCO: These stations will reopen on September 14, unless new safety issues arise. Extensive damage to pumps and equipment from storm surge inundation damage.

## Bureau of Indian Affairs

Source: Bureau of Indian Affairs (BIA) Notes – September 13, 2017

The following Tribes have reported their status and resource needs to the Tribal Assistance Coordination Group (TAC-G) on September 13. All other Tribes have no unmet needs.

### Seminole Tribe of Florida

Four shelters are still open, with a total population estimated at 85. The Tribe has no unmet needs for mass shelter or food. Due to shipping delays, a request was made to IHS to supplement the stock of prescription pharmaceutical. The Tribe is working with vendors to

restore power at Big Cypress reservation as power and communication issues remain. Damage assessments show 10-15 homes per reservation have damages; all tribal government buildings have water damage.

### **Miccosukee Tribe of Indians – Florida**

The Tribe reports communications still down and there is no utility power. The water plan is up and in operation. Fuel is expected to arrive September 13 to refuel generators.

### **Eastern Band of Cherokee Indians - North Carolina**

There are still two shelters I open with the Tribe providing food and showers to Tribal members impacted by the storm. FEMA reports that there are communications difficulties reaching the Tribal leadership. BIA Eastern Region reported that BIA saw crews have been assisting the Tribe with clearing roads. The BIA Eastern Region has been able to communicate with the BIA Superintendent to exchange information and status updates from the Tribe.

### **United States Geological Survey**

*Source: United States Geological Survey (USGS) – September 13, 2017*

All USGS personnel in Florida are accounted for, and there have been no requests for assistance. In Puerto Rico, eight USGS personnel were in the field September 12, making discharge measurements, repairing gages, and flagging additional measurements. Four streamgages were down, and two streamgages were repaired. In Florida, 48 personnel were in the field on September 12, assessing damage to gages, repairing gages, and making discharge measurements. Forty-three stream and groundwater gages are not reporting due to communications loss, damaged equipment, or inundation. Fifteen gages have been repaired.

Two USGS personnel received Florida Highway Patrol escort to make emergency discharge measurements on the Santa Fe River, at I-75 north of Gainesville, in order to validate gage observations and assist in National Oceanic and Atmospheric Administration (NOAA) flood forecasting efforts and Florida Department of Transportation (DOT) assessments and operational decisions for traffic on I-75. This work in Florida and Puerto Rico was not completed under Mission Assignment, but under the USGS's own authority. The following USGS updates have been provided:

- *USGS Caribbean-Florida Water Science Center (CFWSC):* The USGS CFWSC offices in Puerto Rico and Florida were open on September 12, and the Fort Myers, Florida and Puerto Rico offices are continuing to run on generator power. The security fence repairs at the Tampa, Florida office were completed on September 12. A theft of equipment (chainsaws) was reported on September 12 at the facility.
- *USGS Wetlands Aquatic Research Center (WARC):* The USGS WARC office in Davie, Florida was opened on September 12. The Gainesville, Florida office will be closed until further notice while the city and University of Florida officials complete an assessment of the viability of the access road to support vehicles after a partial washout. In addition, minor roof damage has been reported as well as minor flooding of wet labs from an

overflowing retention pond outside the building, which has been resolved. The USGS WARC office in St. John in the U.S. Virgin Islands remains closed.

- USGS Coastal Marine Science Center (CMSC): The USGS CMSC office in St. Petersburg, Florida was open September 12. Personnel are coordinating with partner agencies on running LiDAR along impacted coastlines and reviewing post-event imagery to determine extent of coastal impacts. Personnel are also coordinating with NOAA on potential coastal change forecasts in association with high surf generated by Hurricane Jose.

### **Office of Aviation Services**

Source: Office of Aviation Services (OAS) – September 13, 2017

There was minimal impact to the DOI Office of Aviation Services (OAS) Eastern Regional Office in Atlanta, Georgia. All OAS personnel in Georgia and Florida are accounted for.

### **Office of the Chief Information Officer**

Source: Office of the Chief Information Officer (OCIO) – September 13, 2017

The OCIO is tracking approximately 46 DOI sites (33 in Florida, 7 in Georgia, 4 in Puerto Rico, and 2 in the U.S. Virgin Islands) with network outages as a result from Hurricane Irma.

### **Office of Environmental Policy and Compliance**

Source: Office of Environmental Policy and Compliance (OEPC) – September 13, 2017

The Natural and Cultural Resources Recovery Support Function (NCR RSF) is repositioning to deploy a rehired annuitant for the Field Coordinator position in Florida. The time frame for this deployment is unknown at this time, but is likely to occur in the next 2 to 3 weeks.

### **Office of Insular Affairs**

Source: Office of Insular Affairs (OIA) – September 13, 2017

The death toll has increased to 5 in St. Thomas in the U.S. Virgin Islands. The latest fatality was a lineman employee of the U.S. Virgin Islands Water and Power Authority who lost his life in an accident while performing electrical repairs on the island. Search and Rescue operations are continuing in the U.S. Virgin Islands with the possibility of increased fatalities, which were unreported previously due to lack of communication with St. John. The airports in St. Croix and St. Thomas are operational; however, St. Thomas does have some restrictions due to damages. Ferry service has resumed between Red Hook, St. Thomas, and Gallows Bay, St. John. In support of those impacted by the hurricanes, particularly in the U.S. Virgin Islands, the Office of Insular Affairs will participate in the DOI / FEMA volunteer drive.

**Other Federal and State Government Agency Reporting:**

**Seminole Tribe Communication Update**

*Source: Federal Emergency Management Agency – September 13, 2017*

The FEMA Region IV Regional Emergency Communications Coordinator (RECC) has submitted a request for vendor assistance in restoring connectivity to a Verizon Cellular tower on Interstate 75 along Alligator Alley in Florida. The cellular tower is a critical link to communications within the Seminole Indian Nation.

**National Response Coordination Center (NRCC)**

*Source: NRCC Hurricane Irma Power Outages – September 14, 2017*

The number of power outages across Florida, Georgia, North Carolina, South Carolina, and Puerto Rico is decreasing as restoration efforts in the aftermath of Irma continue. With the exception of a few small areas, the majority of customers on St. John and St. Thomas in the U.S. Virgin Islands are without power despite ongoing power restoration efforts and installation of generators. Limited power has been restored to critical infrastructure, including to the St. Thomas airport, hospital, and Long Base Substation.

State/Territory	Total Power Outages (changes)	Percentage of Customers
St. John	2,893	100%
St. Thomas	19,574	99%
St. Croix	6,905	31%
PR	117,244	8%
FL	2,907,337 (-661,162)	29%
GA	250,341 (-200,692)	5%
SC	16,441 (-42,531)	<1%
NC	9,912 (-14,533)	<1%

\* Eagle-I does not capture all of the counties, municipalities, etc. of each state and should not be used as official numbers. The DOE SITREP includes the most accurate numbers reported through direct communication with the utility companies.

**National Response Coordination Center (NRCC)**

*Source: NRCC- Irma Geospatial Damage Assessments – September 14, 2017*

FEMA initiated a GIS / Modeling – based damage assessment of potential damage to structures from flood inundation from Hurricane Irma along West Coast Florida for Miami-Dade up to the

Pinellas/Hillsborough areas, around Duval County, and coastal Georgia. This estimate does NOT include damage from wind, which is expected to be extensive.

- Estimate total of over 76,800 (increased total by approximately 20,000) residential homes may be affected from storm surge out of 2,769,158 across 20 counties (increased by 11 counties) across Florida and Georgia so far.
- Estimate of nearly 3,590 residential homes may have major damage from over 5 feet of inundation across 20 counties and another 16,000 homes are estimated to have experienced 2-5 feet of inundation
- Increases are due to the addition of Georgia and Florida Jacksonville, Camden, McIntosh, and Chatham areas. The estimate can be expected based on refined flood depth grids using high water mark data

**National Infrastructure Coordinating Center**

*Source: Current Situation Report - Update 09 – September 14, 2017*

As of 3:00 a.m. EDT on September 14, the National Oceanic Atmospheric Administration (NOAA) reports significant river flooding will persist across the northern and western portions of the Florida Peninsula. Flooding will likely impact homes, businesses, and state county roads, especially in areas exceeding major flood stage. Most locations across the entire region should recede below Major Flood Stage by this weekend or early next week. Showers and thunderstorms will become more numerous starting Thursday and continue into the weekend.

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 13, 2017:**

There are currently a total of 64 DOI Personnel supporting the response under the FEMA mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	29	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
Description: Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.					
Personnel Description: 29 Total - 7 NPS; 1 BIA; 21 FWS; 1 BLM					
5	USGS	Corpus Christi, TX through the Houston	\$1,000,000	31	8/26/2017
					4332DR-TX-USGS-01
Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey					

Personnel Description: 31 total- 13 currently collecting high water marks (HWMs) along the coastal areas; 2 providing team coordination and data entry support; 4 planning for the expanding field work					
5	USGS	SW Louisiana	\$200,000	4	3382EM-LA-USGS-01
Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana					
Personnel Description: 4 flagging HWMs					
8	NPS	On alert	N/A	2- 1 TX & 1 DC	N/A
Description: Support patient movement and HHS Operations Center					
Location Description: 3 personnel total deployed for mission assignments under ESF-8 for Harvey. 1 officer has returned home and is on alert for Irma. The other 2 remain on Harvey assignments					
15	OCO	Austin, TX	\$10,000	1(USGS)	09/03/2017 4332DR-TX_DOI-09
Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.					
N/A	OEPC	Austin, TX	\$56,910	0	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
Description: Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies					
Personnel Description: OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/10					

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- *ESF #5 - USGS:* Twenty-six USGS personnel from Texas, Arizona, Oklahoma, New Mexico, and Nebraska were in the field yesterday flagging and surveying HWMs under MA 4332DR-TX-USGS-01 in Texas. A total of 762 locations have had HWMs flagged, with 352 locations surveyed. In Louisiana, field work has been completed under MA 3382EM-LA-USGS-01. A total of 36 locations have had HWMs flagged and surveyed, with validation of data underway.

#### **ESF #15 (External Affairs)**

- *ESF #15 - USGS:* The USGS is providing one staff member to support communications needs at the Joint Field Office (JFO) in Austin, Texas.

#### **DOI Office of the Chief Information Officer**

*Source: DOI Office of the Chief Information Officer (OCIO) – September 13, 2017*

The OCIO is tracking approximately 2 DOI sites, one in Texas and one in Louisiana, with network outages as a result of Hurricane Harvey.

## Wildland Fire Activity

Source: Fire and Aviation Management Website - September 14, 2017

The **Bridge Creek Fire** (WA) was not updated over the last reporting period, and therefore is not summarized on today's report.

### Montana

#### Sprague Fire



IGEMS Image

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 14,795 (no change)
- Containment: 60-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 167 (+16) / 75 (+13)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (+238) / 48 (+48)
- Evacuations / Shelter in place: (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as active during this reporting period with torching, backing, and spotting. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. Significant economic impacts of a large area closure in addition to the Evacuation Order along the historic Going-To-The-Sun Road corridor includes residences,



Xanterra concessionaire, Sperry Chalet concessionaire, Buses and Tour concessionaires, Swan Mountain Outfitters, Glacier Park Inc., as well as the significant loss of revenue impacting gateway communities like West Glacier and local businesses due to the loss of park visitation. Flathead County has declared a State of Emergency. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

**The IOC is also monitoring the following fires:**

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Wolverine	Glacier, MT	BIA	4	3,035	90%	September 27
East Fork	Rocky Boys Reservation, MT	BIA	3	21,896	95%	September 17
Cottonwood	Eureka, NV	BLM	3	9,000	10%	September 15
Rankin	Custer, SD	NPS	3	1,000	0%	September 23

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – September 14, 2017*

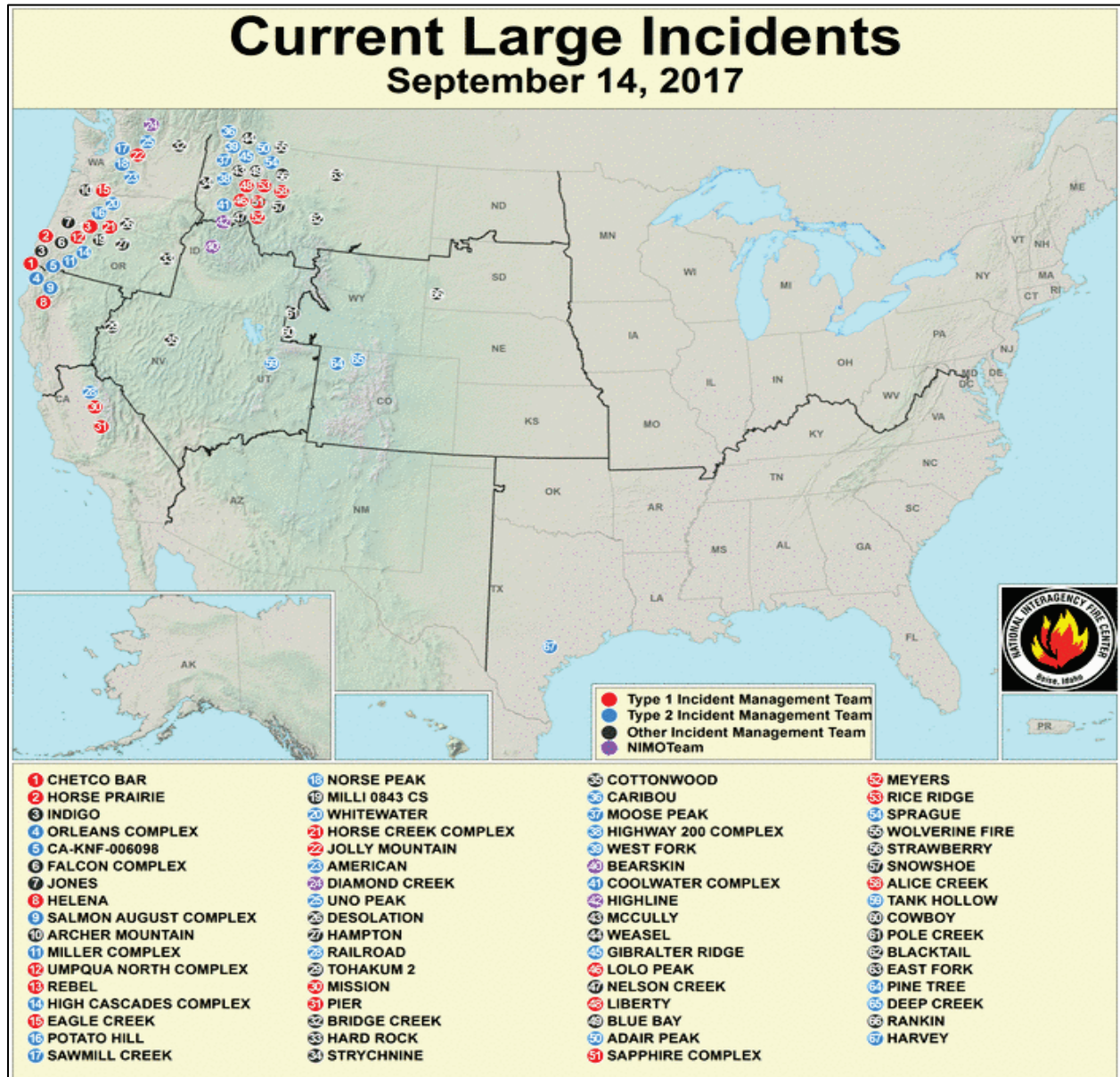
**National Preparedness Level 5**

**National Fire Activity**

Initial attack activity: Light (160 new fires)  
 New large fires: 5  
 Large fires contained: 3  
 Uncontained large fires: \*\* 41  
 Area Command Teams committed: 2  
 NIMOs committed: 3  
 Type 1 IMTs committed: 13  
 Type 2 IMTs committed: 24

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: *U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 12, 2017*

Alert Level = WATCH

Color Code = ORANGE

Unrest continues at Bogoslof Volcano, but no significant activity has been observed in seismic or infrasound data during this reporting period. Bogoslof volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft)

volcanic clouds with little to no detectable precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, no activity was observed in seismic or infrasound data during this reporting period. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

### **Significant National Weather**

*Source: National Weather Service - September 14, 2017*

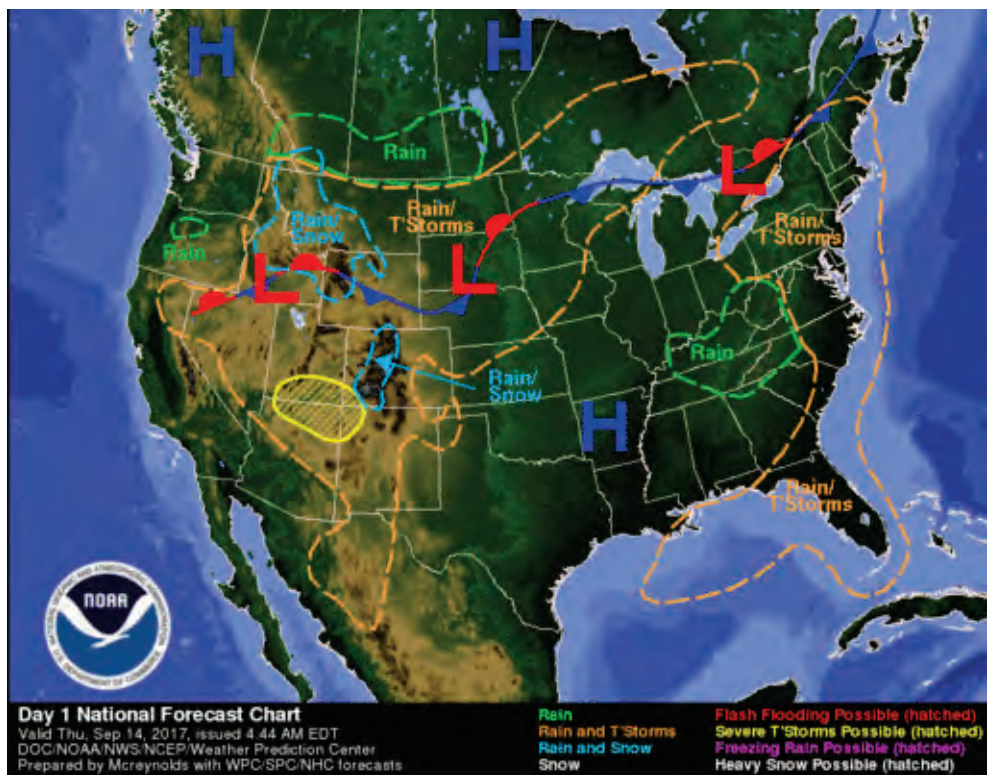
#### **Today**

Scattered rain showers will continue across the southern Appalachians and Ohio Valley. Showers and possible thunderstorms are expected over the Northeast, New England, the East Coast, Florida and the eastern Gulf coastal region. A frontal system will extend from New England, across the northern Great Lakes through the northern Plains to the northern Rockies. Rain and thunderstorms will develop from the upper Midwest to the Rockies, Great Basin and Four Corners. Strong to severe thunderstorms may occur this afternoon to early evening from the Great Basin into the Four Corners region with locally damaging wind and large hail the main threats. A few strong to severe thunderstorms storms with hail and strong wind gusts are also possible from the eastern Dakotas into northern Minnesota. Elsewhere, rain and snow are forecast for the higher elevations of the central and northern Rockies. NOAA anticipates the beginning of the end of fire season and summer is here.

#### **Tomorrow**

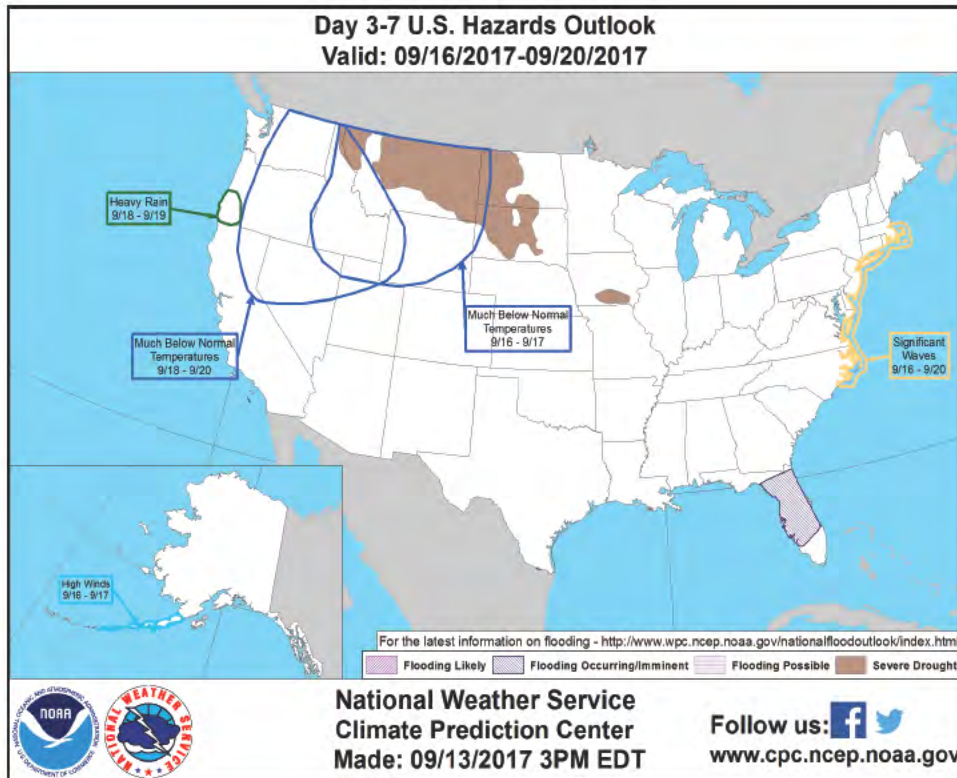
Rain and thunderstorms are forecast to develop across portions of New England, the Northeast, the immediate Atlantic coastal regions, Florida, parts of the South and the Gulf Coastal region from Florida to Louisiana. The above mentioned frontal system will stretch from New England

across the northern Great Lakes to the central Plains and central Rockies. Rain and thunderstorms will be possible from the upper Midwest across the High Plains to the central and northern Rockies. Strong thunderstorms may impact portions of central Nebraska into southeast South Dakota late Friday afternoon, with greater thunderstorm coverage possible from the mid-Missouri Valley into the upper Mississippi Valley Friday evening and overnight. These thunderstorms could be accompanied by at least some risk for severe weather. Rain and snow will continue for the higher elevations of the central and northern Rockies. Elsewhere, afternoon showers and thunderstorms will develop from Mexico to southeast New Mexico/western Texas.



### Weather Hazard Assessment

- September 16-17: Much below-normal temperatures for the northern Rockies and the northern High Plains.
- September 16-17: High winds for parts of the Aleutians and the Alaska Peninsula.
- September 16-20: Significant waves shifting north from coastal parts of the Outer Banks to New England.
- September 16-20: Flooding occurring or imminent across parts of Florida.
- September 18-19: Much below-normal temperatures for parts of the Pacific Northwest, the northern Great Basin, and the northern Rockies.
- September 18-19: Heavy rain for southwest Oregon.

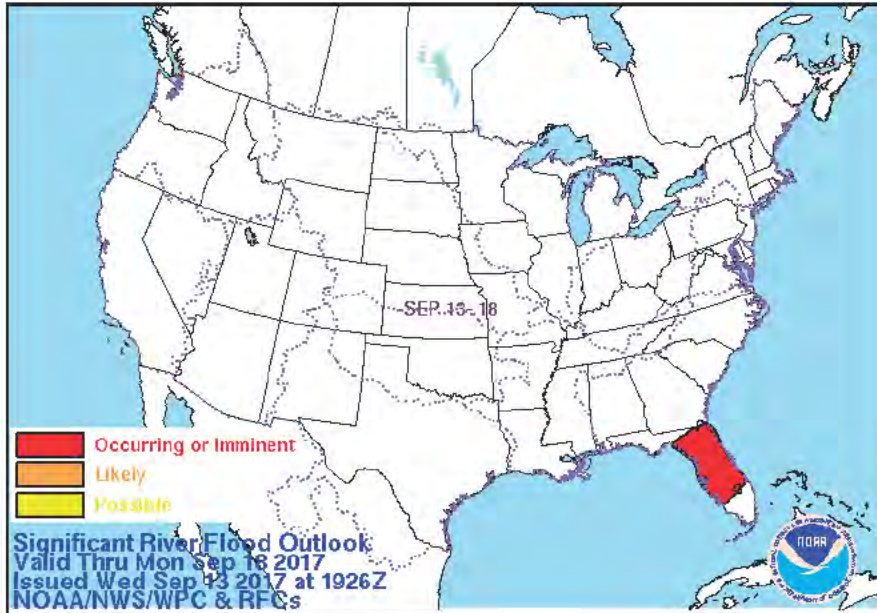


## Alaska Weather



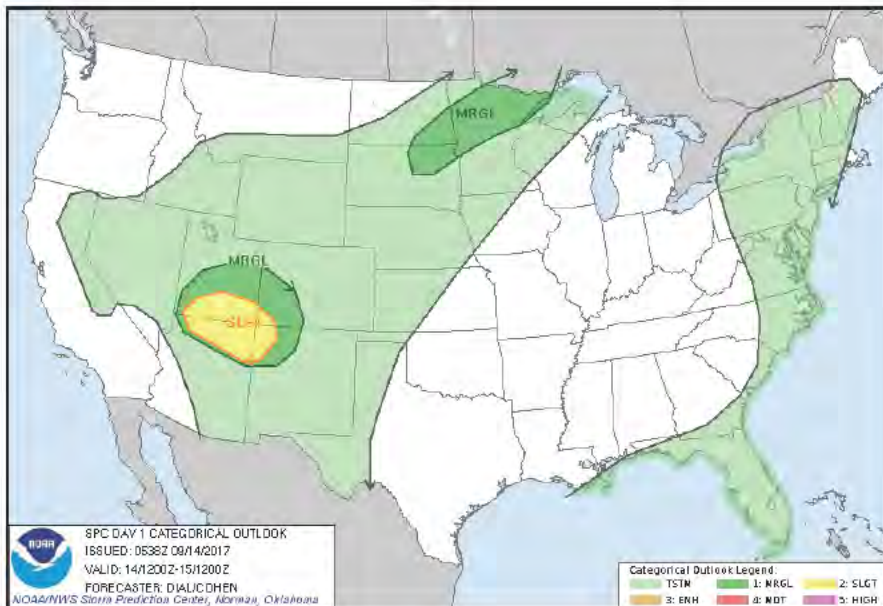
A Gale Warning is in effect from Kiska to Castle Cape, the Pribilof Islands, and the Bering Sea Offshore. A Small Craft Advisory is in effect from Kiska to Attu, for the eastern Aleutian islands, northern Gulf of Alaska, the Cook Inlet, Shelikof Strait, Kuskokwim Delta, Etolin Strait, the waters surrounding St. Matthew Island, Dall Point to Wales, and the Norton Sound. A Flood Advisory is in effect for west-central Alaska. A Wind Advisory is in effect for central Alaska.

## Significant River Flooding



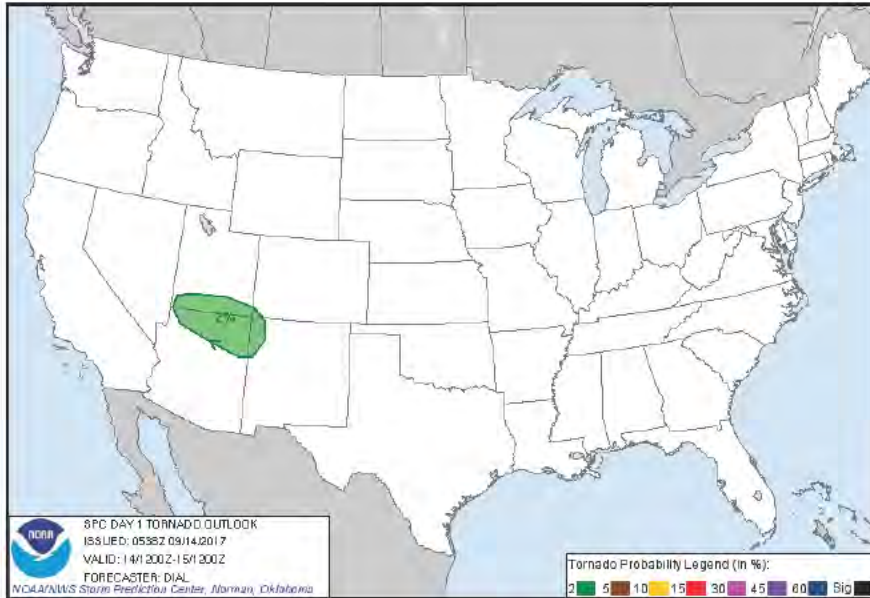
Significant flooding is occurring or imminent in Florida.

## Severe Weather



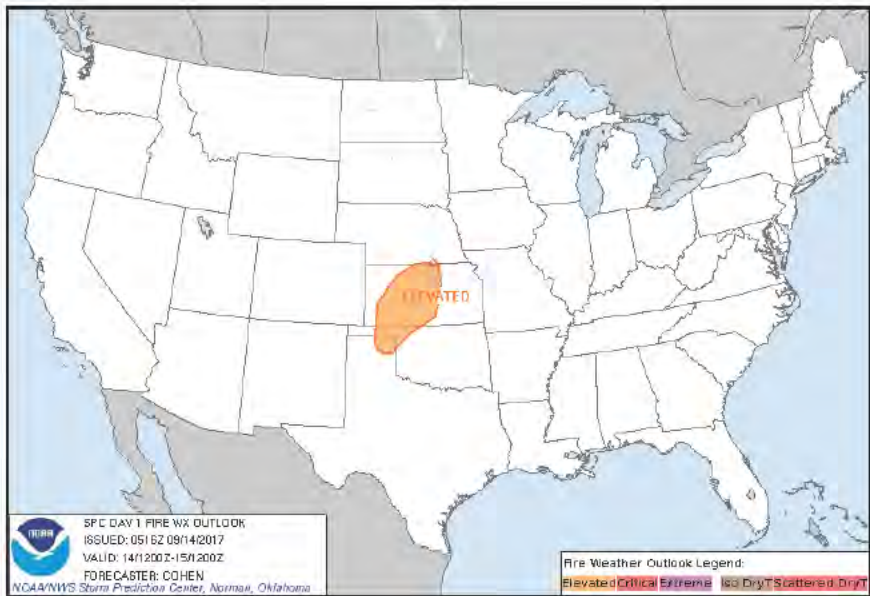
There is a Slight Risk of severe thunderstorms in the Four Corners area of Arizona, New Mexico, Utah and Colorado. There is a Marginal Risk of severe thunderstorms throughout the Four Corners region and from the eastern Dakotas into northern Minnesota.

## Tornado Weather



There is 2 percent chance of tornados in the Four Corners Region, southern Colorado and northern Arizona. .

## Fire Weather

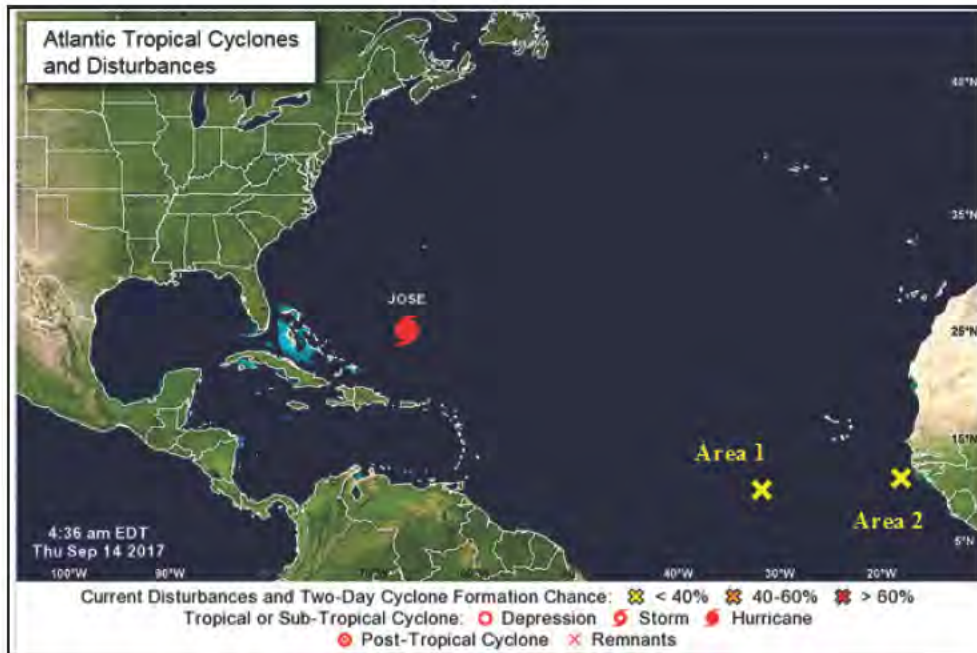


There is an Elevated risk of fire weather in central Kansas, the Oklahoma panhandle and northern Texas.

## **Tropical Weather Activity**

**Source:** National Weather Service/National Hurricane Center – September 14, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



#### **Area 1**

A tropical wave located about 700 miles southwest of the Cabo Verde Islands continues to produce widespread showers and thunderstorms. Environmental conditions are expected to be conducive for gradual development of this system through early next week while it moves westward at around 15 mph across the tropical Atlantic. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

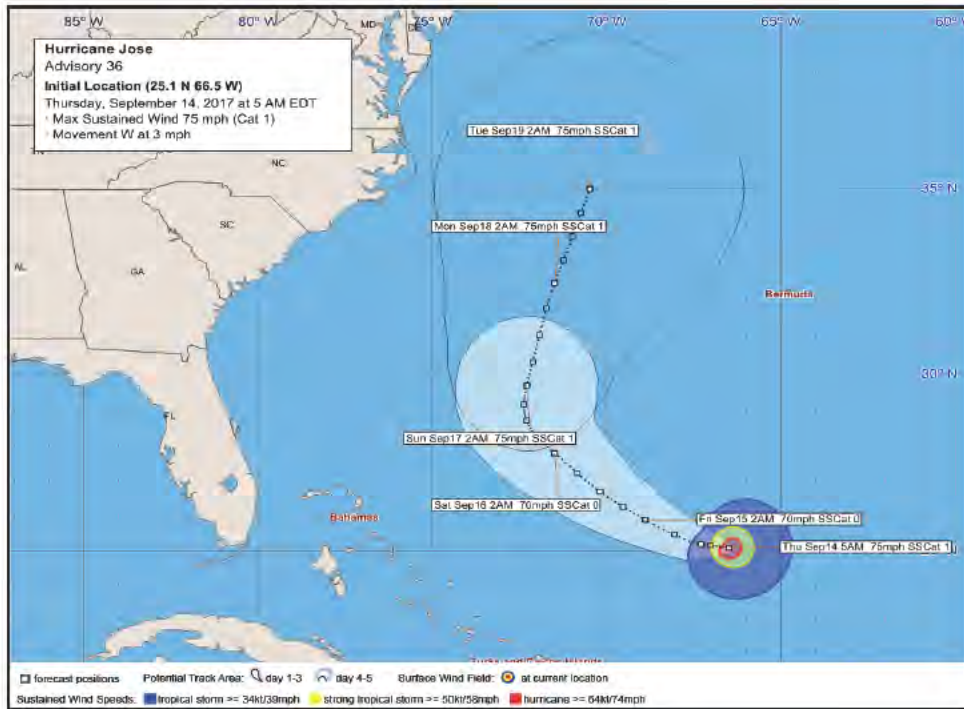
#### **Area 2**

Another tropical wave, located just offshore of the west coast of Africa, is producing disorganized shower and thunderstorm activity. Some gradual development of this system is possible over the next several days while it moves westward at 10 to 15 mph across the far eastern tropical Atlantic. Change of formation chance through 48 hours is low at 10 percent.

#### **Hurricane Jose:**

At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 445 miles east-northeast of the southeastern Bahamas. Jose is moving toward the west near 3 mph. A turn toward the northwest with an increase in forward speed is expected later today. Maximum sustained winds are near 75 mph with higher gusts. There are no coastal watches or warnings in effect.. Little change in strength is forecast during the several days, but Jose could weaken to a Tropical Storm by Friday.





HURREVAC image

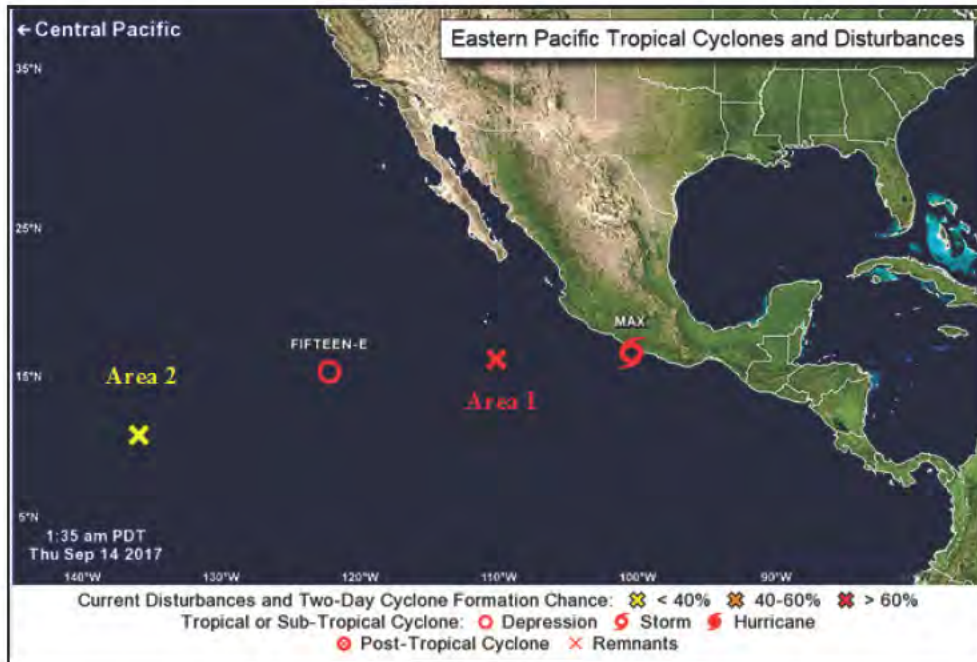
## Eastern Pacific Ocean

### Area 1

A broad area of low pressure located several hundred miles south of the southern tip of the Baja California peninsula is gradually becoming organized, and a tropical depression is expected to form within the next couple of days while the system moves slowly northwestward. Chance of formation through the next 48 hours is high at 80 percent.

### Area 2

An area of low pressure located about 1500 miles east-southeast of the Hawaiian Islands is producing persistent but disorganized shower and thunderstorm activity. Satellite imagery indicates that a well-defined center does not currently exist and additional development, if any, is expected to be slow to occur while this system moves little during the next several days. Chance of formation chance through the next 48 hours is low at 10 percent.



## Tropical Storm Max



*HURREVAC image*

At 5:00 a.m. EDT, the center of Tropical Storm Max was located about 45 miles west southwest of Acapulco, Mexico. Max is moving toward the east-northeast near 7 mph, and this general motion is expected to continue today. On the forecast track, the core of Max will make landfall within the warning area later today. Maximum sustained winds are near 65 mph with higher

gusts. Max could become a little stronger as it approaches the coast, but rapid weakening is anticipated once it moves inland.

### **Tropical Depression Fifteen-E**

At 5:00 a.m. EDT, the center of Tropical Depression Fifteen-E was located about 960 miles west southwest of the southern tip of Baja, California. The depression is moving toward the west-northwest near 5 mph, but a slow westward motion is expected during the next day or so. Maximum sustained winds are near 35 mph with higher gusts. No change in strength is expected today, but the depression still has a chance to become a tropical storm in a couple of days.



*HURREVAC image*

***\*End of Report\****

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Friday, September 15, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 5**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

**Irma Recovery and Response Efforts**

**DOI IOC Activation Level Change - September 15, 2017:**

Activation to Level 3 (Enhanced Operations):

The IOC has reduced its operational status to Level 3 (Enhanced Operations) effective September 15, 2017, at 8:00 a.m. EDT, due to operations in support of Hurricanes Harvey and Irma have begun to transition from response to long term recovery operations.

Specific responsibilities related to this event are as follows:

The IOC will maintain augment staffing with additional Office of Emergency Management (OEM) and Incident Support Team (IST) personnel. The IOC will produce the Emergency Management Daily Situation Report at 08:00 a.m. EDT, Monday through Friday. Over the weekend, the IOC will maintain the established reporting cycle, implementing an 8:00 a.m. SPOTREP. The IOC will participate in scheduled interagency meetings and teleconferences/video teleconferences as necessary.

**DOI Mission Assignments as of September 14, 2017:**

There are currently a total of 190 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	USGS	Georgia Coast	\$135,000	10	GA-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.					
5	USGS	SC Coast	\$170,000	2	9/7/2017 SC-17083101-USGS-01
<b>Description :</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event					
5	USGS	Florida Coast	\$482,500	26	3385EM-FL-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
5	BIA	FL	\$15,000	1	9/13/2017 MA: 3388EM-FL-DOI-01
<b>Description:</b> BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017					
<b>Personnel Description:</b> One BIA EM person supporting remotely prior to JFO establishment.					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017 PR-17090102-DOI-01
<b>Description:</b> Support ESF #11 position activation at the NRCC.					

13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
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**Description:** Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.

**Location Description:** DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.

**Personnel Description:**

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel  
2 - BIA radio techs

13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	65	MA#3385EM-FL-USDJ-01
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**Description:** Provide Law Enforcement Support for ESF-8 and ESF-9.

**Location Description:** DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ES13 staging.

**Personnel Description:**

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER  
9 - NPS  
6 - FWS Refuge

DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER  
25 - BLM

DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER  
FWS Refuge - 13  
BLM - 5  
NPS - 4  
OIG - 2  
OLES - 1

Non ESF	DOI Wide	Various	\$700,000	3	9/12/2017 MA: 4377DR-FL-DOI-03
<b>Description:</b> US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team					
<b>Personnel Description:</b> Three person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements.					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- *ESF #5 - United States Geological Survey (USGS):* One USGS person was in the field September 13 flagging high water marks (HWMs) under Mission Assignment (MA) PR-17090102-USGS-01. In Florida, 26 USGS personnel were in the field September 13 retrieving storm surge sensors and analyzing data under MA 3385EM-FL-USGS-01, and 21 surge sensors have been retrieved. In Georgia, 10 USGS personnel were in the field retrieving storm surge sensors and analyzing data under MA GA-17083101-USGS-01, and 21 surge sensors were retrieved. Two USGS personnel working under MA SC-17083101-USGS-01 were downloading and analyzing data from sensors in South Carolina. As of September 13, all 66 surge sensors deployed in South Carolina have been retrieved.

**ESF #13 (Public Safety and Security)**

- *ESF #13 - Office of Law Enforcement and Security (OLES):* DOI IRMA Quick Response Teams (QRTs) 2, 3, 5 are in Hollywood, Florida to support the Seminole Tribe direct federal assistance (DFA) mission. These personnel are assisting the Seminole Tribe with community policing, site security, and distribution of commodities. DOI IRMA QRTs 1, 4, and 6 have left Moody Air Force Base and relocated to Orlando, pending their assignments. As of September 13, Moody Air Force Base is no longer being used for ESF #13 staging.

**DOI Bureau and Office Reporting:**

**National Park Service - Irma Update**

*Source: National Park Service – September 14, 2017*

The National Park Service (NPS) has completed 100-percent accountability for all of their employees. The current priorities are restoring services and access to the parks, debris removal, and providing support to employees who were impacted by Hurricane Irma. The NPS is tracking 140 personnel who are supporting Hurricane Irma response and recovery efforts, and the NPS Emergency Incident Coordination Center (EICC) remains at enhanced staffing.

The NPS Eastern Incident Management Team (EIMT) has established operations in Florida at a local hotel until they can permanently relocate to the Everglades National Park. The NPS EIMT is waiting for electrical service to be restored prior to movement. The EIMT is coordinating saw teams and assessment teams, to include a team scheduled to visit the U.S. Virgin Islands. An incident action plan is scheduled for release on September 14. Situation reports will be distributed by the IMT.

The following park updates were provided by NPS:

- *Virgin Islands National Park:* The park is closed. Extensive damage across the island is affecting how quickly any work can begin to take place. Staff are working with FEMA, but are awaiting additional support staff. There are no services available. All park housing has suffered some damage, and personnel will be working on repairs as soon as possible.

## **Florida**

- *Big Cypress National Preserve:* The preserve has a limited amount of fuel. Being so close to where Irma made landfall, many preserve employees have significant damage to their homes; therefore, NPS residences, which sustained only minor damage, are available as emergency shelter for their use, despite having no water or electricity. Park offices have a generator, but no phone service. Local roads are down to one lane or shoulder travel only with numerous accidents due to debris and stop lights not working. Preserve priorities are utility restoration, protection of preserve assets and federal property, the completion of facility, and resource assessments and request for team support, debris clearing of work areas, the mechanized clearing of Loop Road (request for safety officer ASAP), and the general clearing of roads and trails.
- *Biscayne National Park:* An air reconnaissance mission determined that the roofs look good, but a few Stiltsville structures have damage, and the docks have been destroyed. The park facilities sustained significant damage, including water damage at the headquarters building. A few people have returned to park housing with water and power. Boats were out on the water yesterday to assess the islands. The maintenance bay has been cleared for a Type-2 IMT.
- *Everglades National Park/ Dry Tortugas National Park:* Damage in the areas of Headquarters and the Coe Visitor Center in Homestead were found to be in much better condition than expected. Headquarters is accessible by ground and with power plant and phone lines working. The Daniel Beard Center, Pine Island facility management, contracting and receiving area appear to be in good shape, as well as the employee housing. Heavy equipment will be used to push obstacles off the road in order to provide more general access. The Flamingo Visitor Center was damaged, as well as other District facilities, including park housing. The areas received a 3 to 5 feet of storm surge and muck on the roads are an issue. Flamingo, Pine Island, Tamiami, and Trail Center housing occupants are being allowed to return for several hours to inspect their personal property in park housing. Employees are not being asked to return to work until next



week at the earliest. Key housing still must be assessed. The M/V Fort Jefferson received clearance from U.S. Customs and Border Protection (CBP) to bypass Miami inspection and proceed to the park.

- *De Soto National Memorial:* The park is closed, and there is more damage than initially thought. Extensive downed trees are being observed, and the park may need support from the NPS after a more detailed assessment is conducted. Currently, there is no power to buildings and no phones or internet. Generators are operational for NPS buildings.
- *Canaveral National Seashore:* The park is closed. The Apollo District and Seminole Rest Historic Site are still without power; however, power is back on at the Headquarters, and the IT server is up and running. Most employees do not have power at their residence. Several docks and boardwalks were damaged, and the cleanup and debris removal process has begun. Personnel will be trying to open portions of the park today.
- *Castillo de San Marcos National Monument/Fort Matanzas National Monument:* The parks are closed. Twenty-eight staff members began cleaning up today, including debris removal and returning items from hurricane storage (equipment, vessels and vehicle). Those employees without power or who had residential issues remained at home. The Castillo de San Marcos National Monument may be able to open the park September 15, however, due to lift station issues, restrooms will be inoperable. The Fort Matanzas National Monument had more extensive debris and dock damage requiring outside assistance. A shoreline inspection of the park was scheduled for yesterday.
- *Timucuan Ecological and Historical Preserve:* The park is closed, and there is no power except for the headquarters building. Assessments are nearly complete, and the park has established base work orders. Kingsley Plantation experienced multiple downed trees, and it may be a while before the area receives power. Fort Caroline is without power, but it is predicted that power will be restored there prior to being restored at Kingsley Plantation. Historic Structure Assessments began at Kingsley Plantation yesterday. There is an artesian well leak at the Johnson Barn that must be fixed. Many power lines are down, and it was confirmed that all lines are “dead”. All down lines have been identified to the entire staff and are being treated as live lines even though they have no power. Fort Carolina experienced flooding, and there is damage to the riverside palisade wall and the dock that will need to be repaired.
- *Southern Florida Caribbean Network:* The building has no power and staff are not permitted to enter the building.

## Georgia

- *Fort Pulaski National Monument:* The park is closed. Personnel continue to ventilate and clean the maintenance building, clear roads, and remove debris. Trees and trails were minimally damaged. There is limited access to the fort; both bridges have been washed away. The roof (veranda) on the fort has been blown off and some of the boards underneath have been displaced. There is also concern about a column that may have

shifted. The monument requested a Public Health Officer call as soon as possible as the water tests came back with traces of cholera. The staff awaits the assessment team's arrival. Despite going through three natural disasters in the last 12 months, morale remain incredibly high.

- Cumberland Island National Seashore/Fort Frederica National Monument: Initial assessment of the southern tip of the island showed lots of debris down and dangerously hanging limbs. The south-end structures look unharmed; however, the Dungeness dock damaged by Hurricane Matthew is further damaged, and the Sea Camp dock looks as it was after Hurricane Matthew and its partial repair. The well system and the preliminary assessment looks okay. There was no opportunity to check any housing units, campgrounds, or any buildings north of Sea Camp. There are no working restrooms on the island. Once the generator is operational at the well, and there will be water. The saw team will clear the visitor parking lot in the morning and travel to the island. There are about three-weeks of clean-up work on the island. A man lift will be rented and brought to the island by the park landing craft today.

Concession ferries are tied to a dock, and this may be an option for the park's landing craft. City officials want to get the Cumberland Island National Seashore up and running as soon as possible as it is intricately tied to the economic health of the city. Debris from the wreckage of the concessionaire's marina, the NPS dock, and abandoned boats are beginning to become an issue. The most important need at the mainland museum is to get the generator fixed to get conditioned air running on the museum's second floor where curatorial inventory is stored. Otherwise, the museum needs mopping and fans to dry, and some tile heaving may be rectified with drying. The Visitor Center elevator shaft and utility room took on 2-feet of water, and most of the ruins are filled with water.

The Fort Frederica National Monument has numerous trees down throughout the area on paths, parking lots, and streets. In front of the Visitor Center facing temporary housing, one large pine fell and caused damage to a fence, power boxes for the pump station, the headquarters areas, and a park vehicle. There is no damage to the temporary housing/bunk house, curatorial building, or the dingy dock, although this area remains closed from Hurricane Matthew because of tree hazards.

- Andersonville National Historic Site: The National Cemetery opened on September 14, however, the power is still off. Georgia Power is working to restore the power, which may possibly be restored late on September 14.

## **South Carolina**

- Fort Sumter National Monument: Fort Sumter itself remains closed, however, all other park sites were opened on September 14.

## North Carolina

- Blue Ridge Parkway: The parkway in North Carolina is partially open. Clean up efforts will continue through Friday on two sections of parkway in North Carolina due to a large tree and rock fall, though no infrastructure damage is expected. All areas have been assessed. Two road sections and associated facilities are closed and likely to remain closed through the weekend.

## U.S. Fish and Wildlife Service - Irma Update

Source: *U.S. Fish and Wildlife Service (FWS) – September 14, 2017*

The U.S. Fish and Wildlife Service (FWS) reports 55 FWS stations are closed in the Service's Southeast Region (R4), due to Hurricane Irma. The Office of Law Enforcement's fuel truck remains in Tallahassee with two agents and other supplies ready to provide relief to other employees in the impact zone. All Families who evacuated have returned home at this point, with the exception of the Fort Myers Special Agent and Melbourne CLEO's family. Groveland, Vero Beach, Tampa Port, Tallahassee, and Jacksonville Offices are open for business today. Fort Myers and Melbourne are remaining closed. Business will consist of assistance to local authorities and cleanup efforts with no investigations.

**Incident Management Team (IMT):** The task forces are finishing up at Okefenokee NWR and Panther NWR and will be headed to Welaka National Fish Hatchery and the Florida Keys NWR Complex next. A Saw Team arrived at Ding Darling NWR last night and will stay for two days.

**Special Operations Response Team (SORT):** The SORT has 4 additional officers in route for additional Refuge security. The SORT Team will be conducting a mission on Key West to search for an employee family member that is still missing.

**Aviation:** An FWS aircraft is currently located in Leesburg, Florida, which will likely be relocated to Merritt Islands NWR in the near future.

The following USFWS station updates have been provided:

## Florida

- Miami Office of Law Enforcement: Evidence and marine life products utilized for undercover operations were destroyed by IRMA, which was being housed and maintained by Mote Marine in Summerland Key, Florida. Thousands of pieces of coral and marine life all died as a result of the storm surge. Tank and shade cloth structures have washed away and have been significantly damaged. All other evidence and animal housing facilities reported damage, but no loss to service animals. Agents are caring for and feeding numerous live birds housed at the Miami office until the return of the Evidence Custodian. Employees continue to work on securing their residences and cleaning up properties. Special Agents are standing by to assist Refuge Officers in the Keys, if requested.

- *Groveland Office of Law Enforcement:* All personnel are accounted for and are safe with no injuries. Some homes have damaged, but not extensively. Most homes and all offices have power at this time. The Special Agent in Fort Myers, the Conservation Law Enforcement Officer (CLEO) in Melbourne, and Wildlife Inspector in Tampa do not have power. Inspectors will staff the Port of Tampa and the port is completely open for business. A Fort Myer's Special Agent and two CLEOs assisted Lee County in clearing roads that were blocked by fallen trees. The Special Agent and two CLEOs assisted with the rescue of an elderly family along with their 55 animals; the home was flooded in Lehigh Acres along the Orange River. The Fort Myers Special Agent and two CLEOs will also be assisting Collier county with search and rescue operations.

### **Bureau of Indian Affairs**

*Source: Bureau of Indian Affairs (BIA) Notes – September 14, 2017*

The FEMA Region IV Tribal Liaison and a FEMA team are on site with the Seminole Tribe and are supporting them with submitting resource requests and completing damage assessments. The FEMA National Tribal Affairs Advisor is at the FEMA Region IV Regional Response Coordination Center (RRCC), focusing on communicating with the four tribes outside of Florida who were affected by Irma. He is also providing Tribal LNO backup to ensure any requests that come from the Seminole or the Miccosukee Tribe are filled. A Mission Assignment has been issued to BIA Emergency Management to support the FEMA Region IV Tribal LNO, Seminole Tribe of Florida, and Miccosukee Tribe of Indians of Florida.

The following Tribes have reported their status and resource needs to the Tribal Assistance Coordination Group (TAC-G) on September 14. All other Tribes have no unmet needs.

- **Seminole Tribe of Florida** - 75 Federal Law Enforcement Officers (FLEO) arrived at Seminole Tribe EOC on September 13 and will be deployed to Big Cypress, Brighton, Immokalee, and Hollywood Reservations. The FLEOs are part of an ESF-13 mission, staffed by BIA Office of Justices Services, Tribal Law Enforcement, and other law enforcement officers from the Department of the Interior. A boil water notice is still in effect in multiple locations. The Tribe has requested a general practitioner doctor from Indian Health Services (IHS) to support the Brighton Reservation clinic. Receiving gas, diesel, and propane deliveries continues to be problem. Communications are still down, however, cellular companies are working on repairing cell towers this week. Coordination continues with vendors to restore power at the Big Cypress Reservation. Four shelters remain open with a total population of 48 people. The pharmacy shipment from the Indian Health Service has arrived.
- **Miccosukee Tribe of Indians (Florida)** - Communications are still down and the Tribe is waiting for various cellular companies to restore cell towers. Fuel for generators is expected to arrive by September 14. The Tribe has asked IHS to stand down on the supplies and resources shipment from Project TRANSAM.

- **Eastern Band of Cherokee Indians (EBCI) - North Carolina** - Power has been restored on September 14 at the Big Cove Community and the Big Y. The power company is working to restore power in Wolf Town by September 14. Shelters are still in operation for food and showers. IHS shipped one generator on September 13. BIA's Eastern Region saw crews continue to assist the EBCI with road clearing.

## **United States Geological Survey**

*Source: United States Geological Survey (USGS) – September 14, 2017*

All USGS personnel are accounted for, and all offices are open. Under their own authority, the USGS had 5 personnel in the field in Puerto Rico yesterday making discharge measurements, repairing gages, and flagging for additional measurements. Fifty-two personnel were in the field in Florida assessing damage to gages, repairing gages, and making discharge measurements. The following USGS updates have been provided:

- *USGS Caribbean-Florida Water Science Center (CFWSC):* Personnel have developed preliminary coastal change forecasts for the Florida Atlantic coast based on potential impacts from Hurricane Jose, and are coordinating results with the National Oceanic Atmospheric Administration (NOAA), the U.S. Army Corps of Engineers (USACE), and other partners. There is increased uncertainty with these forecasts due to challenges in incorporating coastal and dune changes created by Hurricane Irma over the last week. Current total water level forecasts that include potential impacts from Hurricane Jose are available [online](#) for North Carolina.
- *USGS Geospatial Support Activities:* New NOAA imagery has been made available for the lower Florida Keys and the southwestern Florida coast.

## **Office of Aviation Services**

*Source: Office of Aviation Services (OAS) – September 14, 2017*

There DOI Office of Aviation Services (OAS) Eastern Regional Office in Atlanta, Georgia is fully operational at this time. Cleanup is underway for an employee living in Sarasota, Florida.

## **Office of Environmental Policy and Compliance**

*Source: Office of Environmental Policy and Compliance (OEPC) – September 14, 2017*

The U.S. Environmental Protection Agency (EPA) received a large Mission Assignment yesterday to conduct oil/hazmat collection and disposal in the U.S. Virgin Islands. EPA Region 2 (R2) has been activated by FEMA to respond to Hurricane Irma impacting the U.S. Virgin Islands and Puerto Rico. EPA currently has eight FEMA Mission Assignments for response planning, implementation, and deployment of personnel for damage assessments on St. Thomas, St. Croix, and St. John in the U.S. Virgin Islands and Puerto Rico, including the islands of Vieques and Culebra. Planning activities include:

- Establishing a command structure to direct and manage the response.
- Compiling a response staffing plan.

- Creating a web site and maintaining the Common Operational Picture (COP) display.
- Ensuring readiness of field personnel scheduled to deploy.
- Identifying regulated industrial facilities such as oil and chemical storage and manufacturing facilities, as well as Superfund sites that may pose a threat of a release as a result of Irma.

OEPC has coordinated with NPS and they've reached out to the State Historic Preservation Officers (SHPOs) in the U.S. Virgin Islands and Puerto Rico and have not received much information as communication is still an issue. NPS also heard from Seminole Tribe of Florida's Tribal Historic Preservation Officer indicating that their tribal museum was damaged. This information was shared with BIA Emergency Management.

**Other Federal and State Government Agency Reporting:**

**Federal Emergency Management Agency**

*Source: Power Outage Spot Report– September 15, 2017*

While some areas will face extended outages into next week, customer outages continue to decrease across Florida, Georgia, North Carolina, South Carolina, and Puerto Rico. Almost 60,000 workers, including mutual aid from more than 250 investor-owned electric companies, public power utilities, and electric cooperatives from across the United States and Canada are supporting the Irma restoration efforts in the continental United States.

State/Territory	Total Power Outages (changes)	Percentage of Customers
St. John	2,893	100%
St. Thomas	19,574	99%
St. Croix	6,905	31%
PR	103,677 (-13,567)	6.6%
FL	2,138,529 (-154,001)	21%
GA	94,810 (-123,692)	2%
SC	1,571 (-8,041)	.07%
NC	2,094 (-6,561)	.06%

**Federal Emergency Management Agency**

*Source: FEMA National Situation Report – September 15, 2017*

FEMA Headquarters:

- NRCC: Level I with all ESFs and LNOs; NWC: Watch/Steady State
- National IMATs: East-1 (FL EOC); East-2 (FL EOC)
- HQ National Tribal Affairs Advisor at Region IV RRCC

- Logistics/Commodities: ISBs located at Maxwell AFB, AL, MCLB Albany, GA, Ft. A.P. Hill, VA, & JB McGuire-Dix-Lakehurst, NJ
- FEMA IOF in Tallahassee

#### FEMA Region II:

- RRCC at Level I (day shift), Level II (night shift) with ESF 1,3,6, 8,12,13, & 15
- Region II IMAT-A in USVI; Region II IMAT-B in USVI; Region II IMAT-C in PR
- Region X IMAT: San Juan, PR
- USVI: EOC at Full Activation; State of Emergency declared
- PR: EOC at Full Activation; State of Emergency declared

#### FEMA Region IV:

- RRCC at Level I ; RWC at Watch/Steady State
- Region IV IMAT-1 at FL EOC and Region IV IMAT-2 at GA EOC
- Region IV LNOs at FL, SC, GA, NC, AL, and Seminole Tribe EOCs (1 each)
- Florida EOC at Full Activation; State of Emergency declared; FEMA IOF operational in Tallahassee
- Seminole Tribe of Florida EOC at Full Activation (all ESFs)
- Miccosukee Tribe EOCs at Full Activation
- Georgia EOC at Full Activation; Governor declared State of Emergency
- Mississippi, North Carolina, and South Carolina EOCs at Partial Activation
- Alabama EOC at Partial Activation; National Guard released from state duties
- Tennessee and Kentucky EOCs at Monitoring

### **U.S. Virgin Islands Power Restoration Update**

*Source: Department of Energy (DOE) and FEMA – September 14, 2017*

The power restoration support for the United States Virgin Islands (USVI) will be provided in three phases: 1) mutual assistance through the Western Area Power Administration (WAPA), 2) mutual assistance through the U.S. Army Corps of Engineers (USACE), and 3) the American Public Power Association (APPA) mutual assistance network. Phase 1 is being executed and Phases 2 and 3 are being finalized through discussions with FEMA, the Department of Defense (DOD), and APPA to ensure the U.S. Virgin Islands' needs are being met in an efficient and expeditious manner.

The below actions are being tracked for the U.S. Virgin Islands:

- The DOE received a Mission Assignment for the DOE WAPA crews to get to the U.S. Virgin Islands as part of Phase 1.
- FEMA and ESF #12 (Energy) have worked out transportation of WAPA personnel via commercial air and WAPA bucket trucks via military air to Puerto Rico for onward military transport to the U.S. Virgin Islands. The expected arrival date is September 18.
- Additional Equipment (Bucket trucks, digger derricks): DOE ESF #12 island responder and DOE ESF #12 U.S. Virgin Island responder have an agreement from the U.S. Virgin Islands to develop an equipment list with their vendor and give it to FEMA to source so

USACE and APPA linemen in Phase 2 will have the necessary equipment on the U.S. Virgin Islands.

- **Materials:** A total of 1,300 poles, insulators, and conductors have been sourced by FEMA, with DOE input. The poles are expected to arrive on September 18 for WAPA crews to begin working restoration.
- **Tree-Trimming:** DOE ESF #12 in Region 2 has gotten USACE to add tree-trimming for electric power restoration to its debris removal contract and are in coordination with DOE ESF #12 and U.S. Virgin Island personnel.

**National Response Coordination Center (NRCC)**

*Source: Irma Response and Recovery - Current Situation Report – September 14, 2017*

The National Oceanic and Atmospheric Administration (NOAA) reports many river basins across northern and central Florida are receding. However, the slower responding rivers will likely crest later this week. Flooding will affect homes, businesses, and roads. The majority of United States Geological Survey (USGS) gauges throughout Florida should fall below Major Flood Stage by early next week, but minor to moderate flooding will persist for several days or weeks thereafter. Showers and thunderstorms are in the forecast through the upcoming weekend with cloud-to-ground lightning, locally gusty winds, and brief heavy rainfall likely.

**Harvey Response and Recovery - Southeastern Texas**

**DOI Mission Assignments (MAs) as of September 14, 2017:**

There are currently a total of 60 DOI Personnel supporting the response under the FEMA mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description:</b> Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.					
<b>Personnel Description:</b> 29 Total -7 NPS; 1 BIA; 21FWS; 1 BLM					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	26	8/26/2017
					4332DR-TX-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey					
<b>Personnel Description:</b> 26 personnel in the field today flagging and surveying High Water Marks (HWMs)					
8	NPS	Texas	N/A	2	N/A
<b>Description:</b> Support patient movement and HHS Operations Center					



15	Office of Communications	Austin, TX	\$10,000	1(USGS)	09/03/2017 4332DR-TX_DOI-09
<b>Description:</b> Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.					
NCR RSF	OEPC	Austin, TX	\$56,910	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description:</b> Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies					

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #4 (Firefighting)**

- *ESF #4 - United States Fish and Wildlife Service (FWS):* FWS currently has 21 personnel deployed to Beaumont, Texas, in support of Hurricane Harvey response operations.

#### **ESF #5 (Information and Planning)**

- *ESF #5 - USGS:* Twenty-six USGS personnel from Texas, Arizona, Oklahoma, New Mexico, and Nebraska were in the field yesterday flagging and surveying HWMs under MA 4332DR-TX-USGS-01 in Texas. A total of 839 locations have had HWMs flagged, with 376 locations surveyed.

### **Summary of Constitutionally Protected Demonstrations and Marches in DC**

*Source: DOI Office of Law Enforcement and Security (OLES) - September 14, 2017*

On September 16, six known gatherings will take place in the District of Columbia. Four of these events will take place on or around the area of the National Mall, with one of them being a counter-demonstration. A fifth event is being scheduled for Lafayette Park that should have no impact on the others, and the sixth event, as of now, is occurring on the grounds of the United States Capitol but may include a march to the White House. The groups include: Mother of All Rallies (MOAR); Juggalo March on Washington, DC; March to Protect American Democracy; Root out Racism; DC Means “Don’t Come” – MOAR Counter Demonstration and, Arms Wide Open (Childhood Cancer Awareness). Due to the large number of participants as well as road closures associated with planned marches, a large police presence is needed for safety purposes.

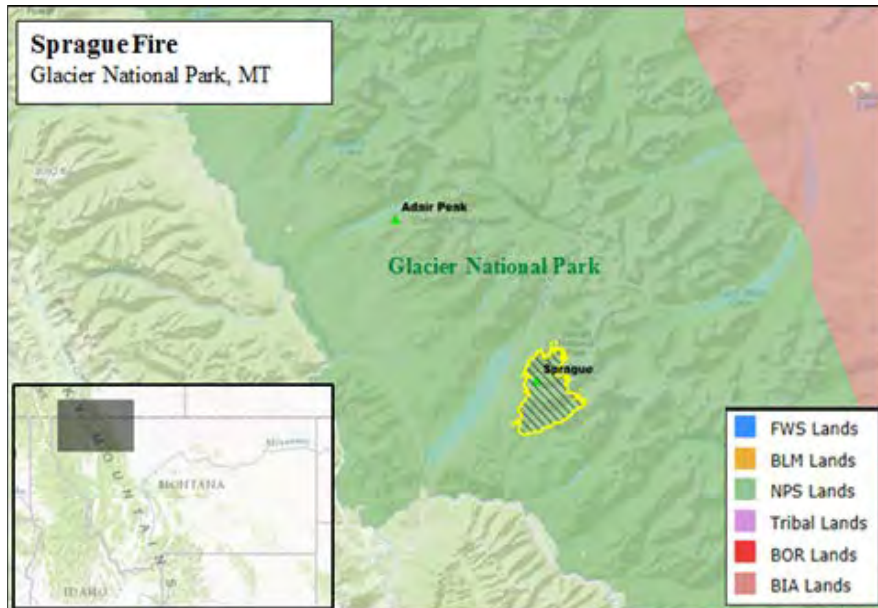
### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 15, 2017*

The **Rankin Fire** (WA) is now managed by a Type-2 IMT and will be summarized until there is a change in status.

## Montana

### Sprague Fire



IGEMS Image

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 15,995 (+1,200)
- Containment: 60-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 169 (+2) / 89 (+14)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as active during this reporting period with backing and flanking. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. Rain and snow are forecast for September 15 and 16, which should help suppress the fire. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

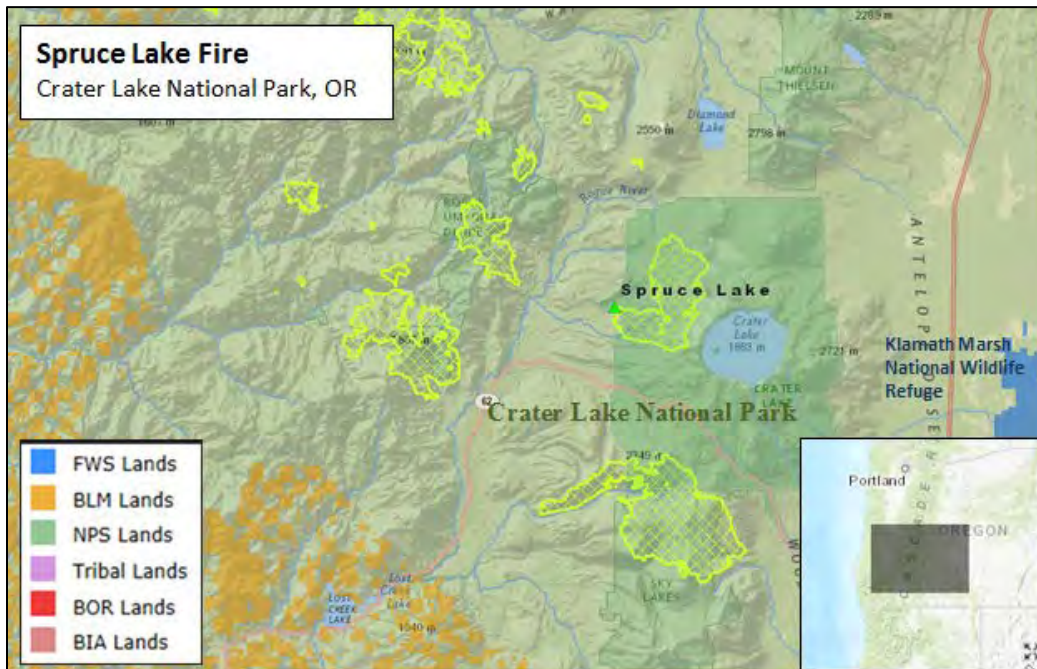
## Oregon

### Spruce Lake Fire

- Start Date: July 29
- Location: Crater Lake National Park (NPS)

- Burned Acres: 15,660 (+10,775)
- Containment: 27-percent (-18)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 40 / 0 (-361) / (0)
- Structures Threatened-Single-Mixed Residential / Commercial: 35 (-3) / 13 (no change)
- Evacuations / Shelter in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 1 / 0 (no change)
- Containment Date: October 15

Comments: The IOC last reported this fire on August 14 because the fire transitioned to a complex not managed by DOI. Crater Lake National Park reports that the North Entrance is closed until further notice due to fire activity. Fire behavior was described as minimal with some backing and smoldering. Several trails within Crater Lake National Park are closed, including the Pacific Crest Trail. Temperatures are 10 to 15 degrees cooler with moderate humidity, which should assist firefighting efforts. The Northern Spotted Owl habitat, sensitive aquatic species, Forest Service timber sale groves, and other sensitive plant and animal species are threatened by the fire.



IGEMS Image

## South Dakota

### **Rankin Fire (Initial)**

- Start Date: September 11
- Location: Wind Cave National Park (NPS)
- Burned Acres: 2,133

- Containment: 90-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 202 / 19
- Structures Threatened-Single-Mixed Residential / Commercial: 0 / 0
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: September 16

Comments: The fire changed to a Type-2 IMT on September 14. Fire behavior was described as minimal with smoldering, though heat continues to hold in the heavy dead and downed fuels. Fire behavior has moderated considerably with completion of burnout operations and the expected weather changes should further reduce the threat of the fire. Trail and road closures are in effect in Wind Cave National Park.

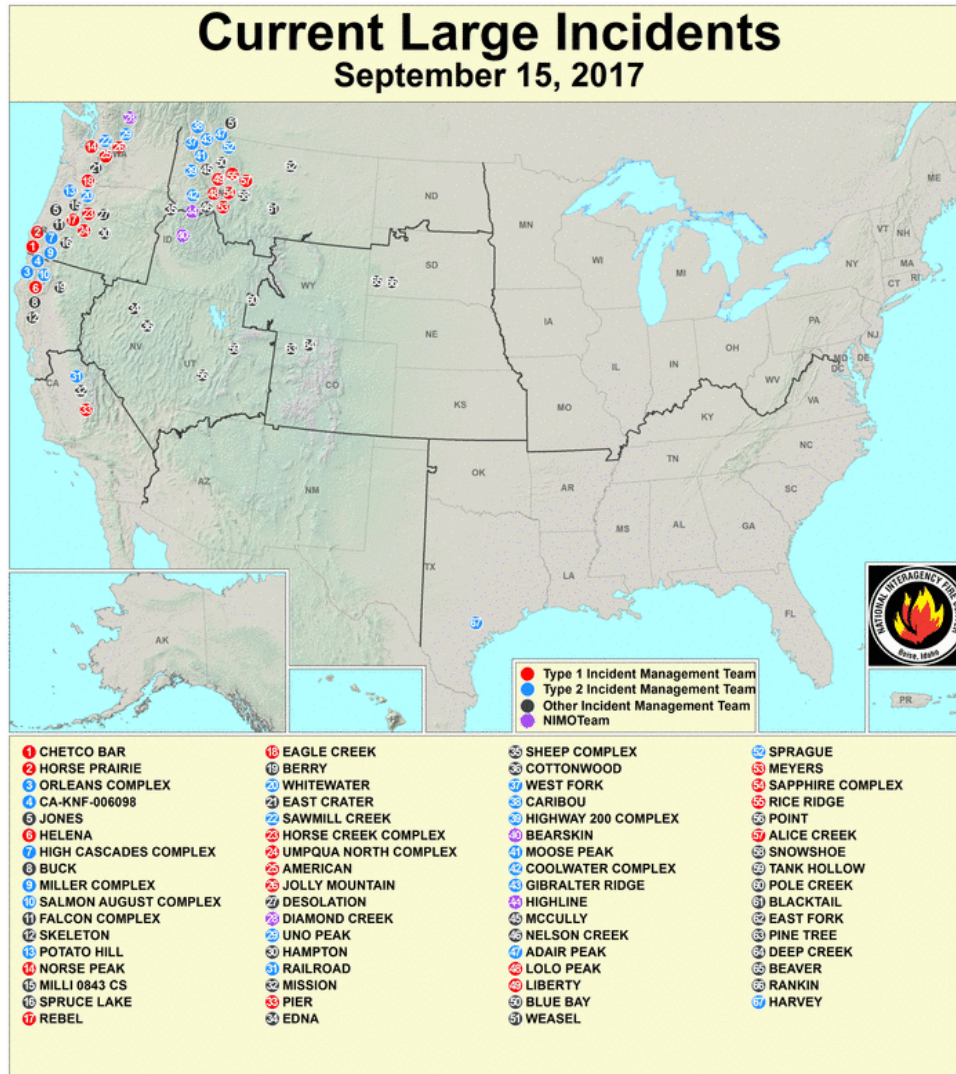


IGEMS Image

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
Mustang	Elko, ID	BLM	3	1,244	80%	September 16
Wolverine	Glacier, MT	BIA	4	3,035	92%	September 27
East Fork	Rocky Boys Reservation, MT	BIA	3	21,896	96%	September 17
Cottonwood	Eureka, NV	BLM	3	13,267	20%	September 16

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 15, 2017

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (103 new fires)
New large fires:	12
Large fires contained:	10
Uncontained large fires: **	39
Area Command Teams committed:	2
NIMOs committed:	3
Type 1 IMTs committed:	12
Type 2 IMTs committed:	23

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity was observed in seismic or infrasound data during this reporting period. Slightly elevated surface temperatures were observed in several satellite images over the past day. Bogoslof Volcano remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, and no activity was observed in seismic or infrasound data during this reporting period. Slightly elevated surface temperatures were observed in one satellite image over the past day. Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

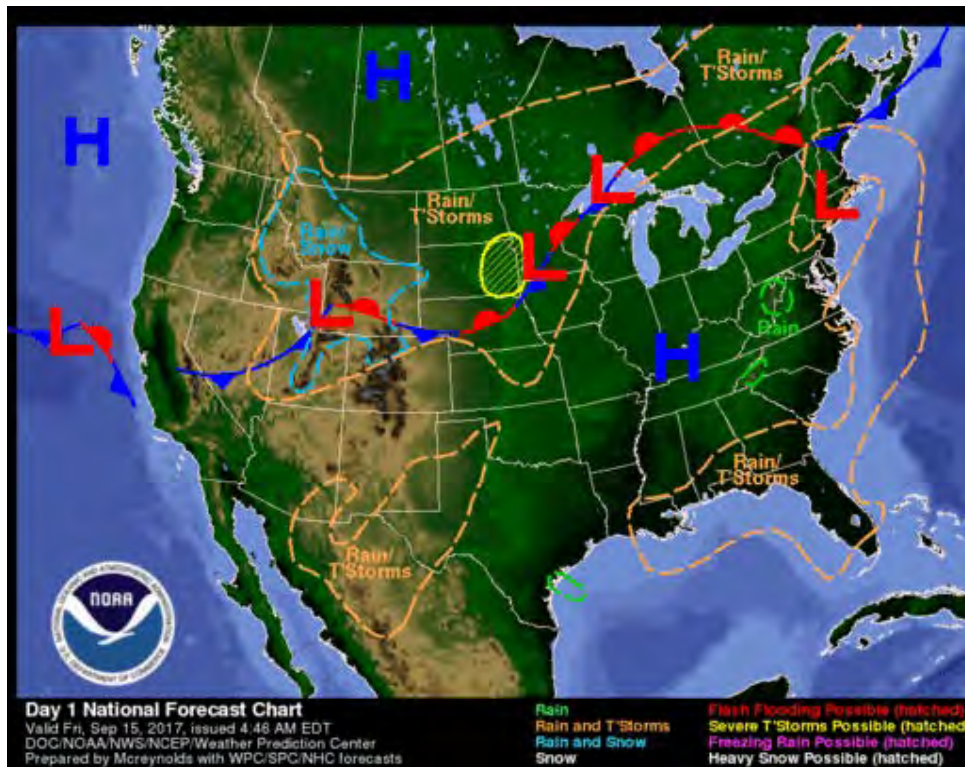
## **Earthquake Activity**

Source: United States Geological Survey (USGS) - September 14, 2017

The United States Geological Survey (USGS) reported that a magnitude 5.8 earthquake occurred on September 14 at 1:41 p.m. EDT, approximately 237 miles to the north of Saipan, Northern Mariana Islands, at the depth of 107 miles. The USGS issued a Green PAGER Alert for the event, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this earthquake.

## **Significant National Weather**

Source: National Weather Service - September 14, 2017



## **Today**

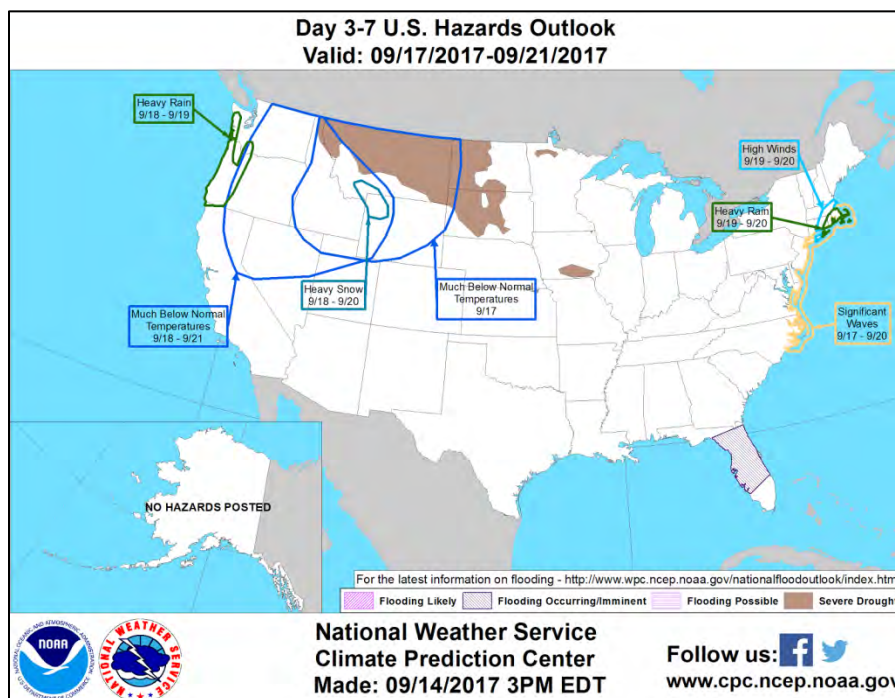
A frontal system will spark rain showers and thunderstorms from the Intermountain West to the Great Lakes, with high elevations expecting snow. Primary hazards with developing thunderstorms will be severe hail and winds this afternoon and evening for portions of Minnesota and the eastern Dakotas to eastern Nebraska and western Iowa. The season's first snowfall in the northern Rockies is expected today, and a Winter Storm Warning has been issued for elevations above 5,500 feet in western Montana. Snowfall totals between 5 to 10 inches are possible. Above average temperatures are expected to continue for the eastern U.S. The Central Plains to the middle Mississippi Valley are expecting temperatures to reach the mid-upper 90s before a cold front moves through on Sunday. Temperatures across the interior of New England will also be 10-15 degrees above average for the weekend. Elsewhere, showers and

thunderstorms are possible across portions of western Texas and the central and eastern Gulf Coast today.

## Tomorrow

Showers and thunderstorms are expected to continue along this boundary on Sunday. A system moving into the Pacific Northwest from the Pacific Ocean will help produce rain showers across Washington, Oregon, and portions of northern Idaho. Additionally, high elevation snow is possible in the northern Cascades of Washington. Dangerous surf and rip current conditions can be expected throughout the weekend as Tropical Storm Jose approaches the East Coast.

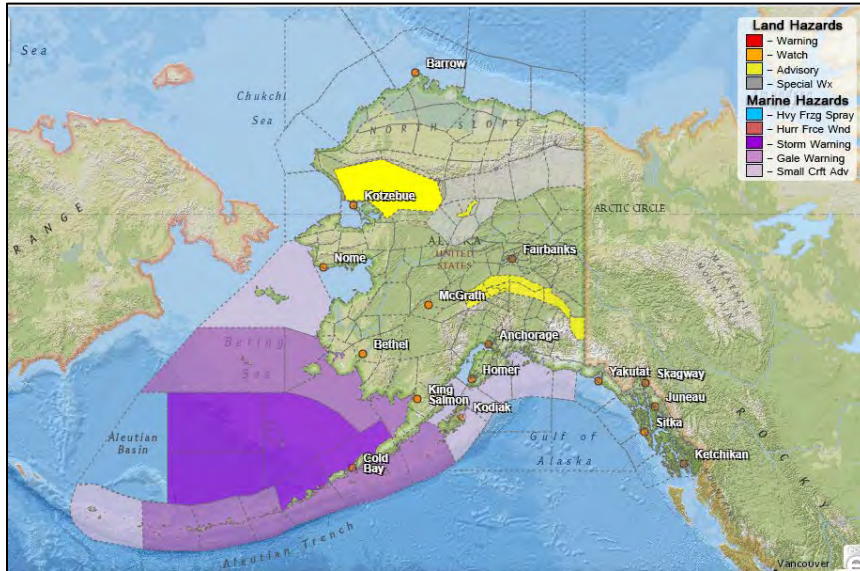
## Weather Hazard Assessment



- September 15: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Corn Belt, Minnesota, the Rio Grande Valley, and Hawaii.
- September 17: Much below-normal temperatures for the northern and central Rockies and the northern High Plains.
- September 17-20: Significant waves shifting north from coastal parts of the Outer Banks of North Carolina to New England.
- September 17-21: Flooding is occurring or imminent across parts of Florida.
- September 18-19: Heavy rain for parts of the Pacific Northwest.
- September 18-20: Heavy snow for parts of the northern Rockies.
- September 18-21: Much below-normal temperatures for parts of the Pacific Northwest, the Great Basin, and the northern Rockies.
- September 19-20: High winds and heavy rain for Long Island and southeastern New England.

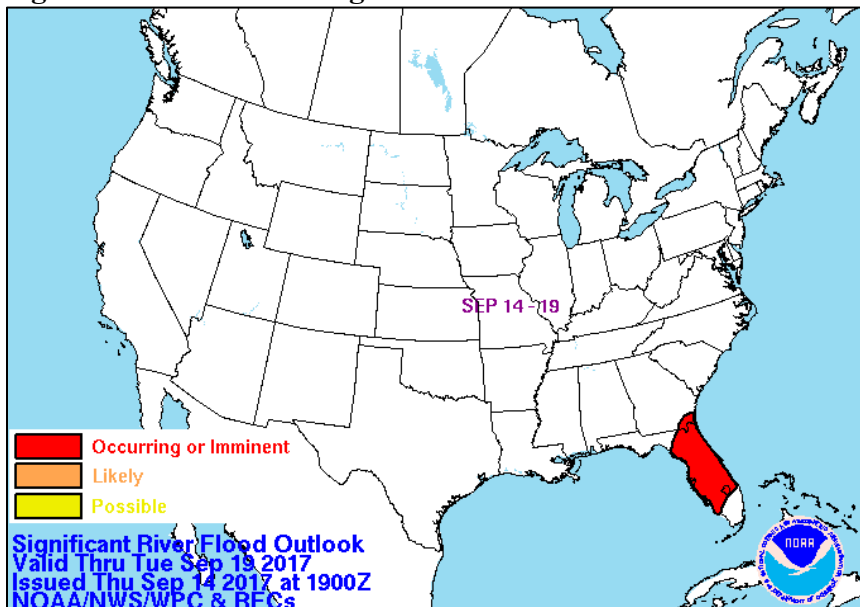


## Alaska Weather



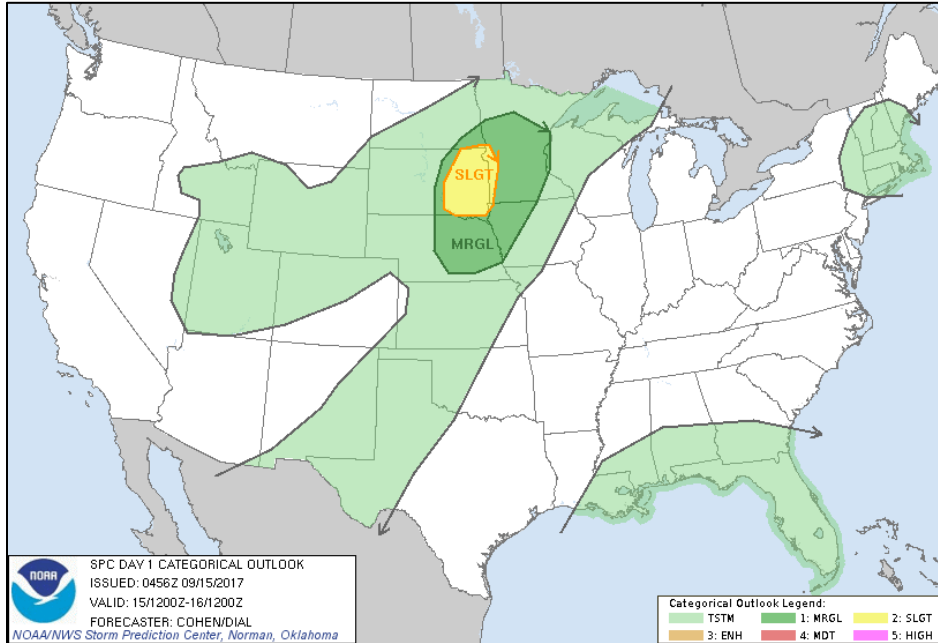
A Storm Warning is in effect from Cape Sarichef to Port Heiden (Bering side), the Pribilof Islands, and the Bering Sea Offshore. A Gale Warning is in effect from Kiska to Castle Cape, Bristol Bay, the Kuskokwim Delta and Etolin Strait, north and west of Nunivak Island, and the St. Matthew Islands waters. There is a Small Craft Advisory in effect from Kiska to Attu, the western Gulf of Alaska, and from Dall Point to Wales. A Flood Advisory is in effect for small streams in the Kobuk and Noatak River Basins and those draining into the Kotzebue Sound. A Wind Advisory is in effect for central Alaska.

## Significant River Flooding



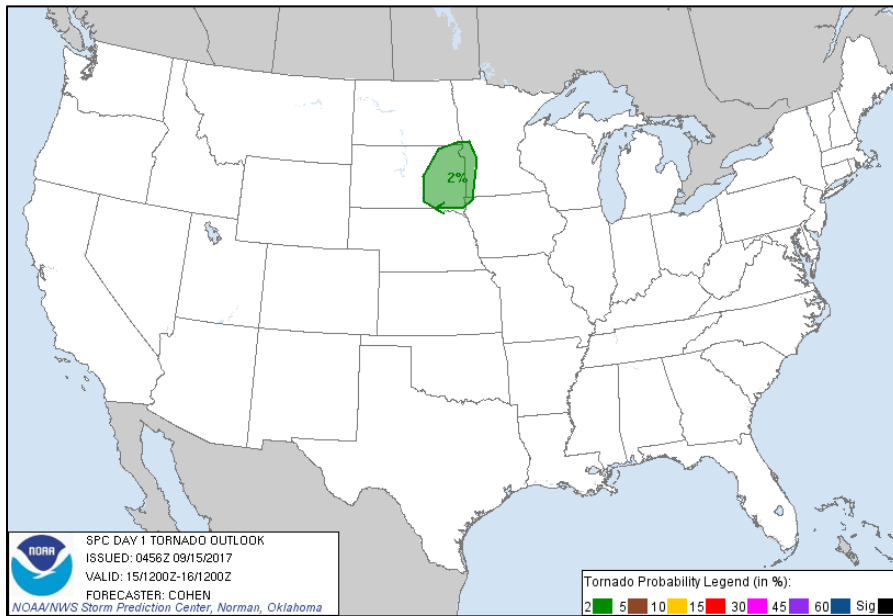
Significant flooding is occurring or imminent in Florida and southeastern Georgia.

## Severe Weather



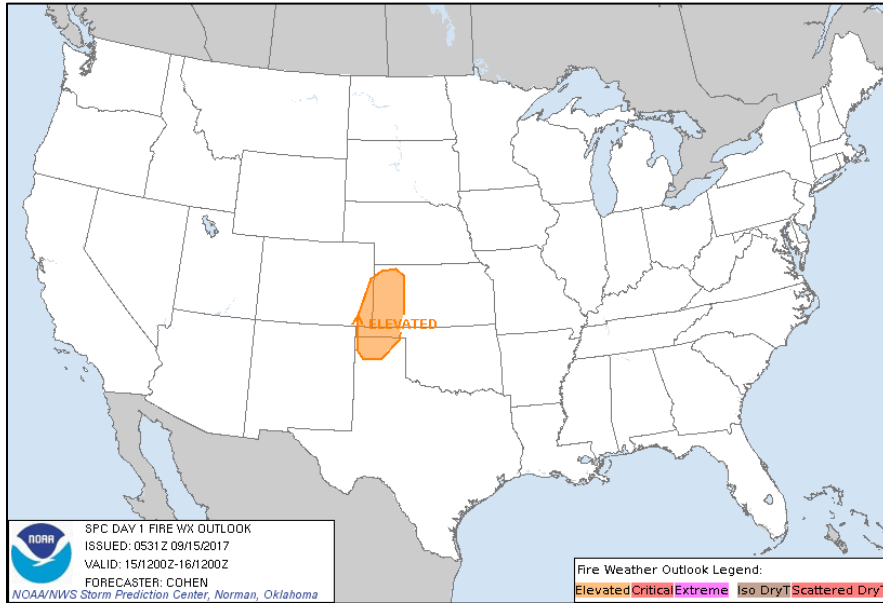
There is a Slight Risk of severe thunderstorms in eastern South Dakota and the far western edge of Minnesota. There is a Marginal Risk of severe thunderstorms from central Minnesota into the Dakotas, and south into Nebraska.

## Tornado Weather



There is 2-percent chance of tornado activity today in eastern South Dakota and far western Minnesota.

## Fire Weather

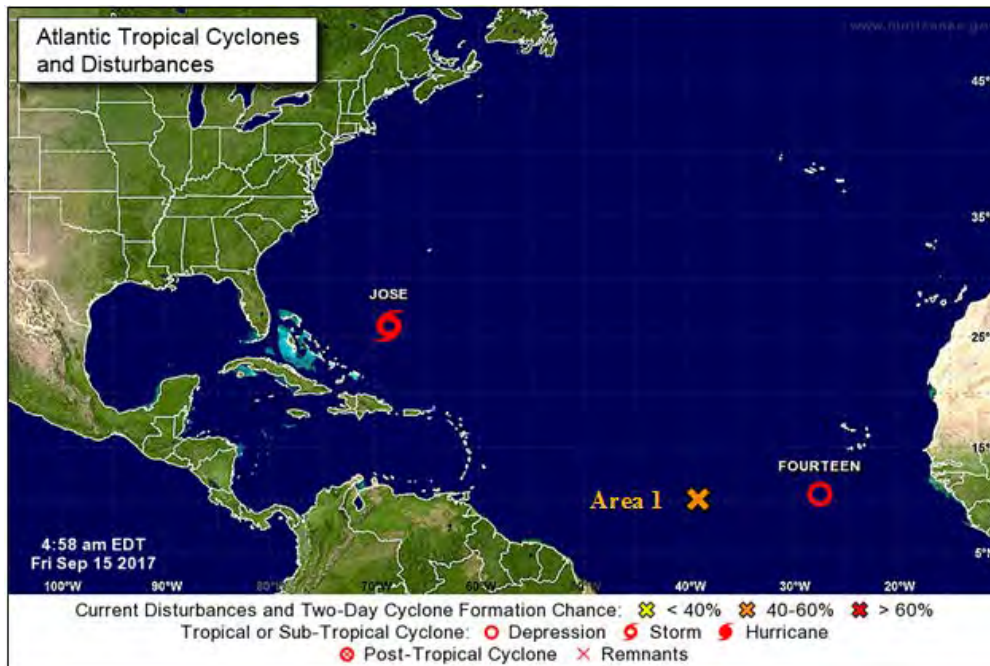


There is an Elevated Fire Weather forecast across western Kansas, the Oklahoma panhandle, southeastern Colorado, and northern Texas.

## Tropical Weather Activity

*Source: National Weather Service/National Hurricane Center – September 15, 2017*

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



## Area 1

A tropical wave located about 1,200 miles east-southeast of the Lesser Antilles continues to produce disorganized showers and thunderstorms. Environmental conditions are expected to be conducive for gradual development, and a tropical depression is likely to form early next week. Interests in the Lesser Antilles should closely monitor the progress of this system while it moves westward to west-northwestward at about 15 mph. Formation chance through the next 48 hours is medium at 40 percent.

### Tropical Depression Fourteen

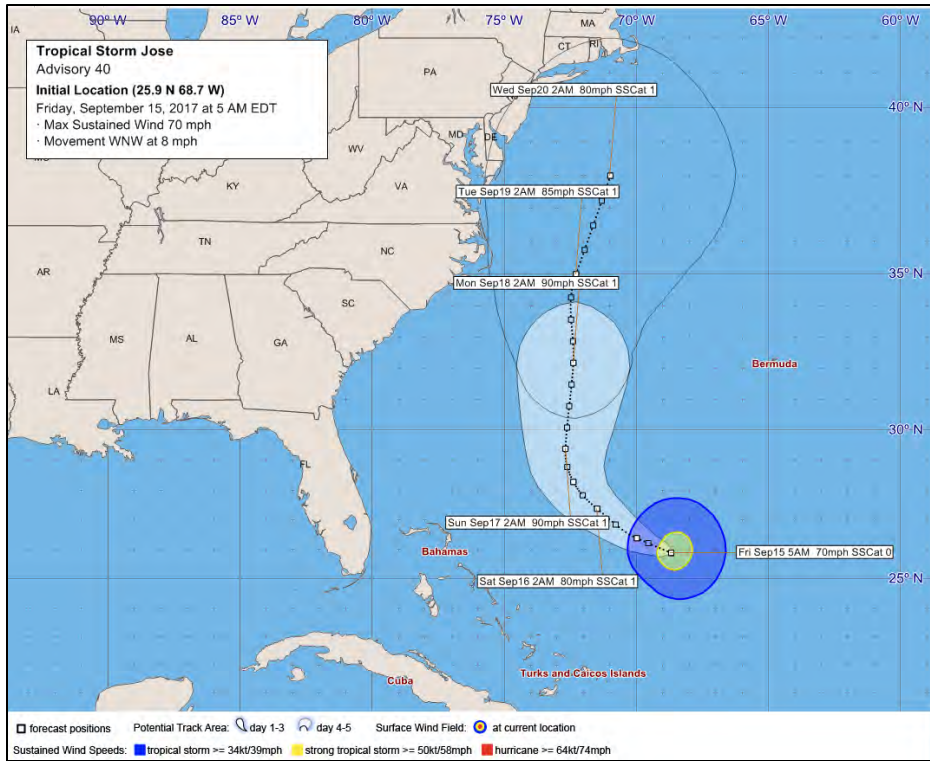
At 5:00 a.m. EDT, the center of Tropical Depression Fourteen was located about 435 miles south-southwest of the Cabo Verde Islands. The depression is moving toward the west near 15 mph, and this motion is expected to continue during the next couple of days. Maximum sustained winds are near 35 mph, with higher gusts. The depression is forecast to become a Tropical Storm later today or tomorrow. There are no coastal watches or warnings in effect.



HURREVAC image

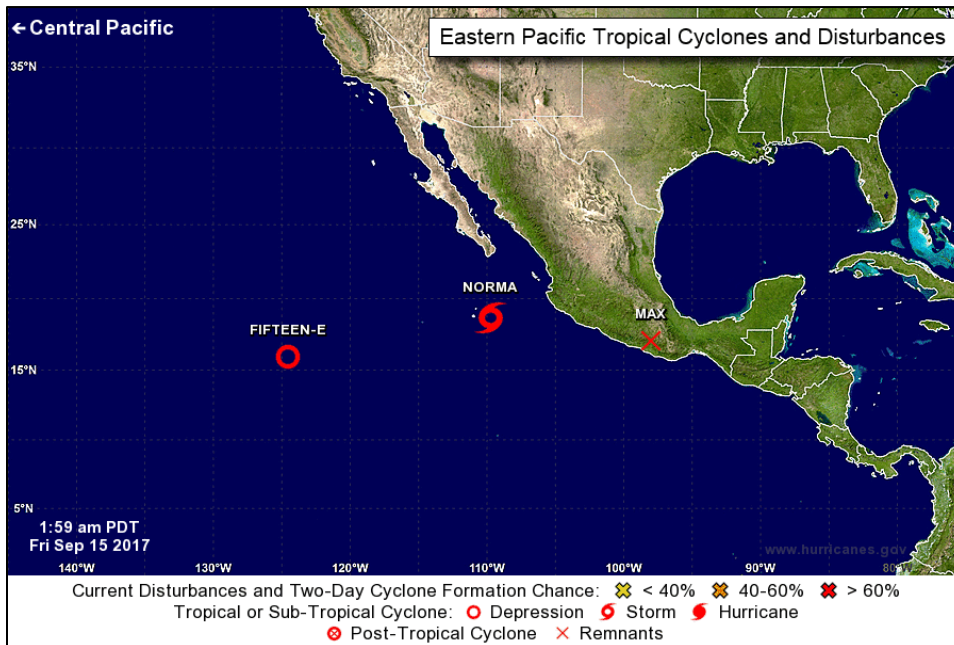
### Tropical Storm Jose:

At 5:00 a.m. EDT, the eye of Hurricane Jose was located about 360 miles northeast of the southeastern Bahamas. Jose is moving toward the west-northwest near 8 mph. A gradual turn toward the north is expected later today and on Saturday. Maximum sustained winds are near 70 mph, with higher gusts. Some strengthening is forecast during the next 48 hours. Jose is forecast to become a hurricane later today.



HURREVAC image

### Eastern Pacific Ocean



## Remnants of Max

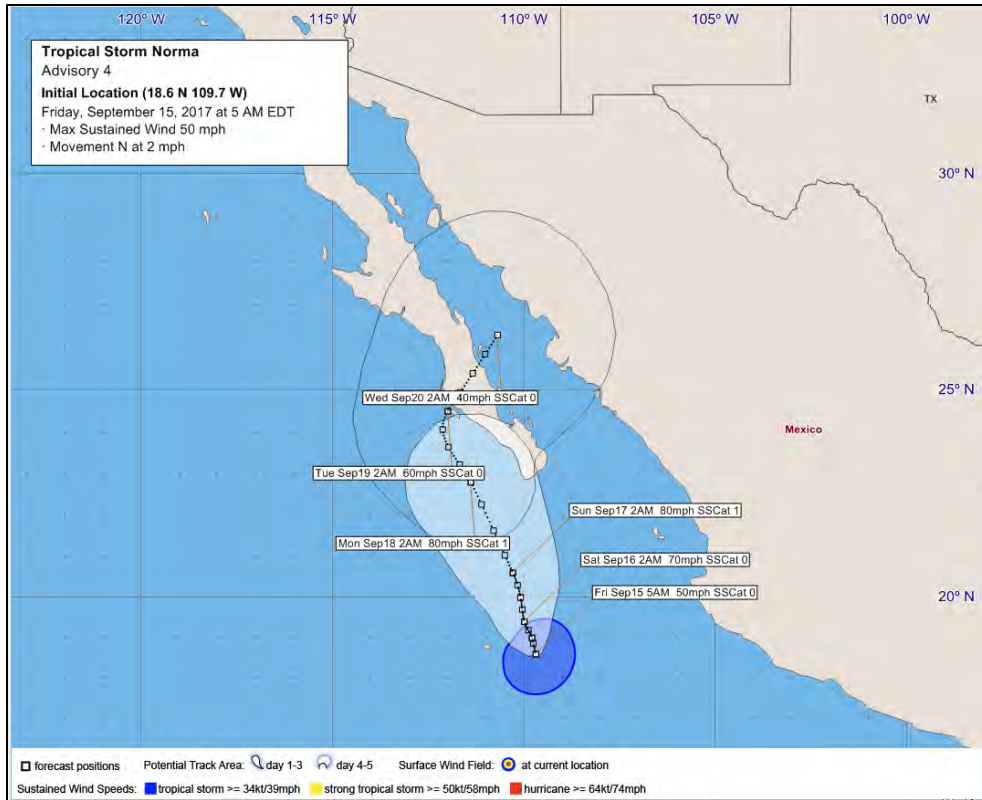
At 5:00 a.m. EDT, the center of Max was located about 125 miles east of Acapulco, Mexico. The remnants are moving toward the east-northeast near 5 mph, and this motion is expected to continue until dissipation later today. Maximum sustained winds are near 30 mph, with higher gusts. The remnants of Max are forecast to dissipate later today however, it is still capable of producing total rainfall accumulations of 5 to 10 inches in the Mexican state of Guerrero and western portions of the state of Oaxaca. Maximum amounts locally in excess of 20 inches are possible over coastal areas of Guerrero. These torrential rains may produce life-threatening flash floods and mudslides.



*HURREVAC image*

## Tropical Storm Norma

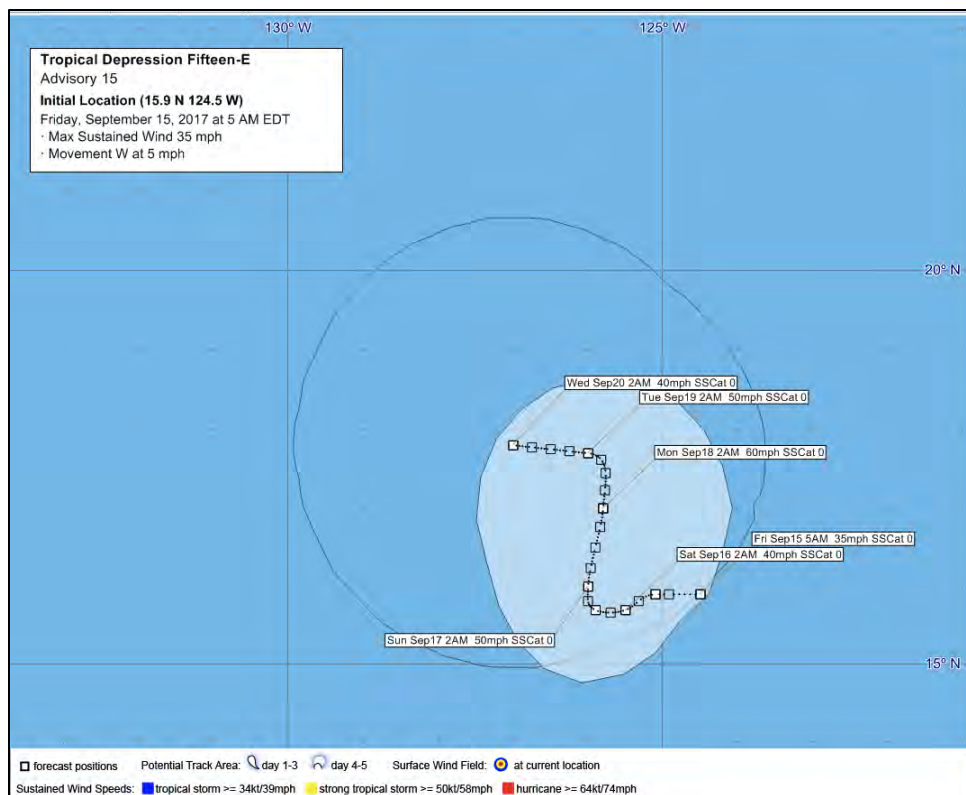
At 5:00 a.m. EDT, the center of Tropical Storm Norma was located about 85 miles east of Socorro Island. Norma, is moving toward the north near 2 mph and this slow motion is expected to continue for the next couple of days. Maximum sustained winds are near 50 mph, with higher gusts. Some strengthening is forecast during the next 48 hours and Norma is expected to become a hurricane on Saturday. There are no coastal watches or warnings in effect.



HURREVAC image

## Tropical Depression Fifteen-E

At 5:00 a.m. EDT, the center of Tropical Depression Fifteen-E was located about 1,065 miles west-southwest of the southern tip of Baja, California. The depression is moving toward the west near 5 mph. A very slow westward motion is expected for the next couple of days. Maximum sustained winds are near 35 mph, with higher gusts. Some strengthening is forecast during the next 48 hours, and the system could become a Tropical Storm later today. There are no coastal watches or warnings in effect.



HURREVAC image

## Other News and Notes

### **London Tube Incident, London, UK**

Source: DHS National Operations Center (NOC) – September 15, 2017

DHS NOC reported a package exploded aboard an underground metro rail train in the southwestern section of London, UK and injuries have been reported. The exact cause of the incident is still undetermined, but media sources are reporting remnants of a burning item has been found on the train. Police and first responders are securing the scene as the investigation continues. London’s Metropolitan Police and ambulance services are confirming they are at the scene at the Parsons Green subway station in southwestern London. London’s Metropolitan Police says a fire on the London subway has been declared a “terrorist incident.” The force says counterterrorism officers are leading the investigation into the incident at Parsons Green station, where “a number” of people have been injured. No reports of U.S. citizens among the injured. State Department has initiated accountability for Chief of Mission Personnel in London.

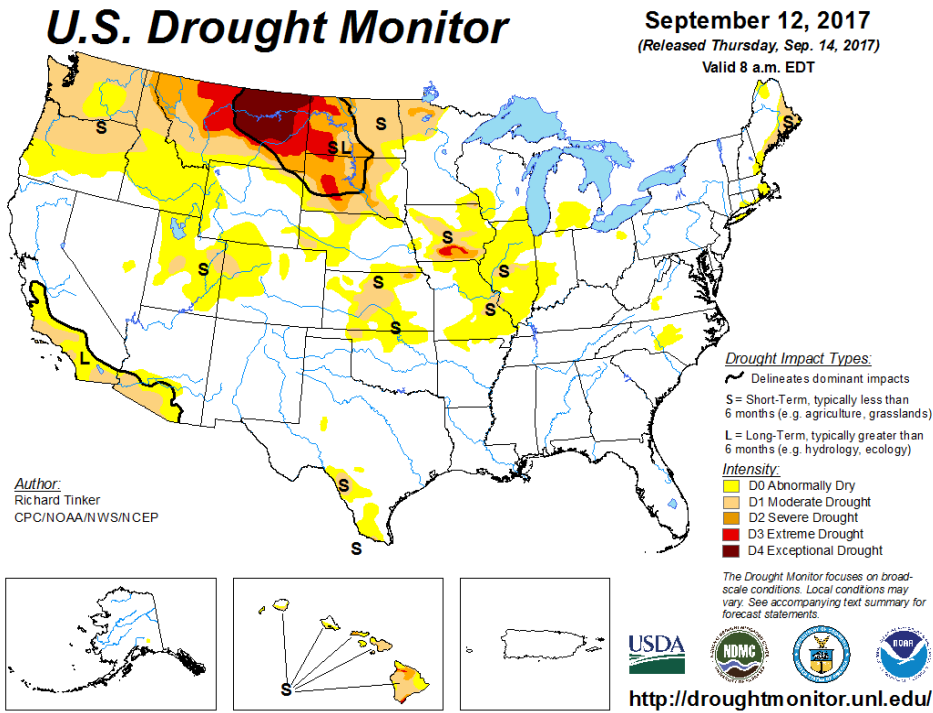
### **U.S. Drought Monitor**

Source: National Drought Mitigation Center – September 14, 2017

While Hurricane Irma impacted Florida and portions of the Southeast, most other parts of the contiguous 48 states saw little, if any, precipitation. The exception to this is the moderate to isolated heavy precipitation in portions of the Northeast. Irma brought intense rains and powerful wind gusts that removed any suggestion of dryness in the Southeast. Enough



precipitation also fell on parts of eastern Maine to reduce the number of areas that have been identified as abnormally dry. Most of the country, from the Ohio and lower Mississippi rivers westward to the Pacific Coast, recorded little precipitation, if any. Only isolated patches in the eastern Great Lakes region and the lower Colorado River Valley recorded more than an inch of rain.



***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, September 18, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 5**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather - Atlantic Ocean

### Hurricane Maria

*Source: National Weather Service/National Hurricane Center – September 18, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 100 miles east of Martinique and moving toward the west-northwest near 13 miles per hour (mph). This motion, with a decrease in forward speed, is expected through tomorrow night. Maria will move across the Leeward Islands tonight, then over the extreme northeastern Caribbean Sea on Tuesday, where it is likely to be at Category 3 or 4 intensity. Maximum sustained winds are near 90 mph, with higher gusts. Significant strengthening is forecast during the next 48 hours, and the system could near major hurricane intensity as it reaches the Leeward Islands later tonight. Maria is likely to affect the British and U.S. Virgin Islands (USVI) and Puerto Rico (PR) by midweek as a dangerous major hurricane. Hurricane watches have been issued for the British and USVI, as well as Puerto Rico.

Additional watches and warnings associated with Maria are as follows:

Hurricane Warning: Guadeloupe, Dominica, St. Kitts, Nevis, Montserrat, and Martinique

Tropical Storm Warning: Antigua and Barbuda, Saba and St. Eustatius, and St. Lucia

Hurricane Watch: USVI, the British Virgin Islands, Saba and St. Eustatius, St. Maarten, St. Martin and St. Barthelemy, and Anguilla

Tropical Storm Watch: Barbados and St. Vincent and the Grenadines.

Hurricane conditions are first expected within portions of the Leeward Islands by late today, with tropical storm conditions beginning during the day today. A dangerous storm surge accompanied by large and destructive waves will raise water levels by as much as 5 to 7 feet above normal tide levels near where the center of Maria moves across the Leeward Islands. Maria is also expected to produce total rain accumulations of 6 to 12 inches, with isolated maximum amounts of 20 inches, across the central and southern Leeward Islands, including PR and the USVI and British Virgin Islands, through Wednesday night. Rainfall on all of these islands could cause life-threatening flash floods and mudslides.



HURREVAC Image

**Irma Recovery and Response Efforts**

**DOI Mission Assignments as of September 18, 2017:**

There are currently a total of 184 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	0	PR-17090102-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	USGS	Georgia Coast	\$135,000	11	GA-17083101-USGS-01

<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.					
5	USGS	SC Coast	\$170,000	0	9/7/2017
SC-17083101-USGS-01					
<b>Description :</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event					
5	USGS	Florida Coast	\$482,500	10	3385EM-FL-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	OEM	FEMA HQ	\$15,000	2	9/5/2017
4337DR-FL-DOI-01					
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
5	BIA	FL	\$15,000	1	9/13/2017
MA: 3388EM-FL-DOI-01					
<b>Description:</b> BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017					
<b>Personnel Description:</b> One BIA EM person supporting remotely prior to JFO establishment.					
8	NPS	Florida	N/A	3	N/A
<b>Description:</b> Support patient movement, well water sampling, and HHS Operations Center.					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
PR-17090102-DOI-01					
<b>Description:</b> Support ESF #11 position activation at the NRCC.					
13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
<b>Description:</b> Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.					
<b>Location Description:</b> DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.					
<b>Personnel Description:</b>					

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel  
2 - BIA radio techs

13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	65	MA#3385EM-FL-USDJ-01
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**Description:** Provide Law Enforcement Support for ESF-8 and ESF-9.

**Location Description:** DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ES13 staging.

**Personnel Description:**

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER  
9 - NPS  
6 - FWS Refuge

DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER  
25 - BLM

DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER  
FWS Refuge - 13  
BLM - 5  
NPS - 4  
OIG - 2  
OLES - 1

Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017
					MA: 4377DR-FL-DOI-03

**Description:** US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team

**Personnel Description:** Three person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements.

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #5 (Information and Planning)**

- *ESF #5 - United States Geological Survey (USGS):* In Florida, 10 USGS personnel were in the field September 17 retrieving storm surge sensors and analyzing data under MA 3385EM-FL-USGS-01, and 120 surge sensors have been retrieved to date. A total of four storm surge sensors were lost in the storm and 32 sensors have been processed for data. In total, 37 high water marks (HWMs) have been flagged and 30 HWMs have been surveyed in Florida alone. In Georgia, nine USGS personnel were in the field retrieving storm surge sensors and flagging HWMs under MA GA-17083101-USGS-01. In Georgia, a total of 58 surge sensors have been retrieved and 42 HWMs have been flagged to date. While no personnel are currently deployed to PR, 25 HWMs have been flagged to date.

### **ESF #13 (Public Safety and Security)**

- *ESF #13 - Office of Law Enforcement and Security (OLES):* In support of ESF #13, Public Safety and Security, interagency Quick Response Teams (QRTs) that are in the USVI will relocate to San Juan, PR this evening. They will return to USVI, if needed, after Maria passes. DOI Irma QRTs 1, 4, and 6 are still located in Orlando, Florida, pending their assignment. DOI Irma QRTs 2, 3, and 5 are supporting the Seminole Tribe on a direct Federal assistance (DFA) mission to assist with community policing, site security, and the distribution of commodities.

## **DOI Bureau and Office Reporting:**

### **National Park Service - Irma Update**

*Source: National Park Service – September 17, 2017*

The Eastern Incident Management Team (EIMT) continues to operate its Incident Command Post (ICP) from the Krome Center in Homestead, Florida. Due to predicted impacts from Maria, the EIMT will be reassigning personnel to PR in advance of the storm. The EIMT Incident Commander has approved a Type-3 IMT to be located in PR to assist with coordination in anticipation of Maria. The EIMT also reported one employee injury at Big Cypress yesterday. As a result, the EIMT has initiated a safety stand-down on ladder and roof operations until a full review of the incident is completed. The EIMT is also continuing relocation plans for USVI staff and families that could potentially be impacted by incoming storms. Relocation planning is also underway in the event that Hurricane Maria makes a course for southern Florida. The primary relocation point will be Orlando, Florida, while the secondary point is Atlanta, Georgia.

Parks have completed 100% accountability for all employees and their priorities remain as follows:

- Employee mental and physical safety

- Restore services and access to the parks
- Remove debris
- Provide support to employees who were impacted by Hurricane Irma.

The following park updates were provided by NPS:

- *Virgin Islands (VIIS)* - Closed - Relocation efforts are underway. A large vessel is scheduled to depart St. John Island at 9:00 a.m. EDT this morning, heading to Porta Del Rey, Puerto Rico to clear U.S. Customs. Individuals will check-in with NPS to be issued supplies and food, and then will board buses to shelter; bags and pets will be tagged, crated as necessary. A physician will be onsite to provide medical assistance as needed. Housing has already been determined, with families with children going to Discovery Center. Approved staff will be lodged in hotels, while non-essential staff will be placed throughout the region as capable in conjunction with the Southeast Regional Office (SERO) and parks in the southeast Region.
- *San Juan (SAJU)* - Open – SAJU is housing the Incident Command Team. Activating the hurricane plan and working on relocation and sheltering plans. Coordinating the logistics plan and an employee post-storm plan for tent city in San Cristobal, Puerto Rico.
- *Christiansted (CHRI)* - Open - The implementation of the severe weather plan is in effect and employee information rosters are being updated. Internet service is still down. The site is operating on generator power and all of the generators have fuel, have been tested, and are in working order. Supplies are being evaluated for distribution to personnel.
- *Big Cypress (BICY)*: The preserve received a fuel delivery of 1,500 gallons of unleaded and 3,000 gallons of diesel to accommodate generators and other emergency uses. The drinking water issue has been addressed and the preserve received a shipment of potable water, however, the boil water notice remains in effect. Portable toilets have arrived on station for personnel. The preserve is still in need of supplies, personnel, and services; additional logistics personnel have been requested, as well as additional local safety officers
- *Biscayne (BISC)* - Closed - Assessment teams have arrived on site, but were unable to access the dock due to public usage of the entire docking area. Teams are awaiting assistance to have the dock cleared before continuing assessments. Portions of the boardwalk were found to be either damaged or missing. The water main was repaired and the fire system is being recharged and tested for operation.
- *Everglades (EVER)* - Closed - Airboat Concessions will begin operating and Marine waters are open with a Notice to Mariners posted. Monroe County has issued a boil water notice in effect.

- Gulf Coast - Cleanup efforts continue; fuel was delivered. Two displaced Rangers are being housed on site in a shared capacity. They will be issued a generator for power.
- Northeast - The Shark Valley signs on Hwy 41 were destroyed. Trees partially blocking the gate, access road, and parking lot. The Tram Road-west is impassable and 3 miles of the southern end is under water. There is standing water in the VC entrance, but otherwise seems to have sustained no damage.
- Pine Island - Fuel for the generators is now on site. The Main Park Road entrance gate will be staffed 24/7 to allow displaced residents access homes to retrieve personal effects.
- Flamingo - Cleanup efforts continue; fuel arrived on site.
- Key Largo - Rangers were able to access Florida Bay and found extensive debris scattered throughout. Numerous vessels grounded or pushed into mangroves suffering severe damage. The vessels were boarded to confirm casualties; none were found. There was a strong smell of fish kill, but none were located. The North nest key facilities were destroyed.
- *De Soto (DESO)* - Closed - Power and phones service has been restored, but internet is still out. Cleanup continues with downed tree removal and removing docks that have washed up on the north shore. A CANA team is scheduled to arrive tomorrow and will be providing FMSS support remotely.
- *Canaveral (CANA)* - Partially open - The park's focus remains on recovery operations. The park is open and operating with the exception of a portion of the docks on the Loom side. CANA is coordinating with DESO regarding access to NPS's Planning, Environment, and Public Comment (PEPC) site.
- *Castillo de San Marcos (CASA)* - Open - Downed trees remain, but they do not restrict visitor access. A damage assessment team is scheduled to arrive at the park today. There is still no restroom accessibility to guests.
- *Timucuan (TIMU)* - Closed - Power, phones, and internet service have been restored to the Fort Caroline (FOCA) Visitor's Center (VC) and the headquarters (HQ). Cleanup crews have cleared the FOCA VC area and trails of debris and will reopen today. Power is still out at Kingsley Plantation (KP) is still without power and will remain closed. The Cedar Point boat launch is open to the public, but the trail system and the Theodore Roosevelt area (TRA) will remain closed until they are cleared of debris. The park is in line for an Arborist Incident Response (AIR) Team and saw crews.



- *Southern Florida Caribbean Network (SFCN) - Closed* - The Palmetto Bay office will reopen today and damage assessments inside the building will commence. There are two employees from St. John Island that may require relocating before or after Hurricane Maria passes through the area.
- *Fort Pulaski (FOPU) - Closed* - All park personnel, with the exception of LE, were taking some much needed time off on Sunday.
- *Cumberland Island (CUIS) / Ft. Frederica (FOFR) - Closed* – Power capabilities are 100% at mainland buildings, though the VC is still without power or internet service. There are 2 saw crews working to clear the main road to facilitate the power company’s needs. An arborist crew continues working on the cultural landscapes. An interagency assessment team comprised of The Georgia Department of Natural Resources (DNR), the U.S. Coast Guard (USCG), the U.S. Army Corps of Engineers (USACE), the City of St. Marys, and the NPS completed work and are preparing paperwork to go forward with repairs. The USCG is taking the lead on cleaning up the St. Marys waterfront and getting the city’s downtown area up and running. Roads are generally passable, but there is still lots of debris cleaning to be done island-wide.
- *Fort Sumter (FOSU) - Partially open.* Crews began debris and mud removal at the fort. Initial inspections on the dock were not as bad as anticipated, but still require underwater verifications to the extent of any damage.

**U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service (FWS) – September 17, 2017

The U.S. Fish and Wildlife Service (FWS) reports a total of 52 FWS Stations closed across the response area due to Irma.

*Incident Management Team (IMT):* The IMT continued work to support Big Cypress National Preserve for stabilization and community assistance in Immokalee, Florida. The IMT also cut trails and roads for entrance and exit to Crocodile Lake National Wildlife Refuge (NWR) and provided support to the Key Deer and other Response Groups as needed.

**Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) Notes – September 17, 2017

The FEMA Region IV Tribal Liaison continues to stay in contact and support the Seminole Tribe of Florida and the Miccosukee Tribe of Indians of Florida.

*Seminole Tribe of Florida* - Three shelters remain open with 25 occupants. The shelters continue their usage as cooling and feeding stations for tribal members. The Big Cypress Reservation continues to have power issues, but should be receiving relief soon. Points of Distribution

(POD) commodities (meals and water) and are being distributed to Big Cypress and Brighton reservations; Tribal POD stations are open and distributing ice and other sundried items. Big Cypress Reservation Police Department emergency services are expected to be back online soon. Big Cypress Reservation EOC will remain on full activation until power is restored.

*Miccosukee Tribe of Indians of Florida* - There are no current issues or unmet needs.

### **United States Geological Survey**

*Source: United States Geological Survey (USGS) – September 17, 2017*

The Caribbean Florida Water Science Center (CFWSC) has four personnel in the field making discharge measurements, repairing gages, and flagging for additional measurements in Florida. There were no personnel scheduled for field work in Puerto Rico this reporting period.

### **Federal Emergency Management Agency**

*Source: FEMA National Situation Report – September 18, 2017*

FEMA Headquarters:

- NRCC: Level I (Day Shift); Level II (Night Shift); NWC: Steady State
- National IMATs: East-1 (FL EOC); East-2 (Redeploying to PR CAD)
- Red IST relocating to PR

FEMA Region II:

- RRCC at Level II, Partial Activation (Day Shift), Level III, Partial Activation (Night Shift)
  - Transitioning to Level II (24/7) at 8:00 a.m.

FEMA Region IV:

- RRCC at Level II (24/7)
- Region IV IMAT-1 at FL EOC and Region IV IMAT-2 at GA EOC
- Region IV LNOs at FL, SC, GA, NC, AL, and Seminole Tribe EOCs (1 each)
- FL, USVI, and PR EOCs at Full Activation; State of Emergency declared; FEMA IOF operational in Tallahassee
- Seminole Tribe of Florida EOC at Full Activation (all ESFs)
- Miccosukee Tribe EOCs (2) at Full Activation
- Alabama, GA, MS EOCs at Partial Activation
- Tennessee EOC at Monitoring

### **Harvey Response and Recovery - Southeastern Texas**

#### **DOI Mission Assignments (MAs) as of September 18, 2017:**

There are currently a total of 60 DOI Personnel supporting the response under the FEMA mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	29	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description:</b> Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.					
<b>Personnel Description:</b> 29 Total -7 NPS; 1 BIA; 21FWS; 1 BLM					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	24	8/26/2017
					4332DR-TX-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey					
<b>Personnel Description:</b> 26 personnel in the field today flagging and surveying High Water Marks (HWMs)					
8	NPS	Texas	N/A	5	N/A
<b>Description:</b> Support patient movement and HHS Operations Center					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description:</b> Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)					
NCR RSF	OEPC	Austin, TX	\$56,910	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description:</b> Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies					

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- **ESF #5 - USGS:** Twenty-four USGS personnel were in the field yesterday flagging and surveying HWMs under MA 4332DR-TX-USGS-01 in Texas. A total of 1,130 locations have had HWMs flagged, with 437 locations surveyed.

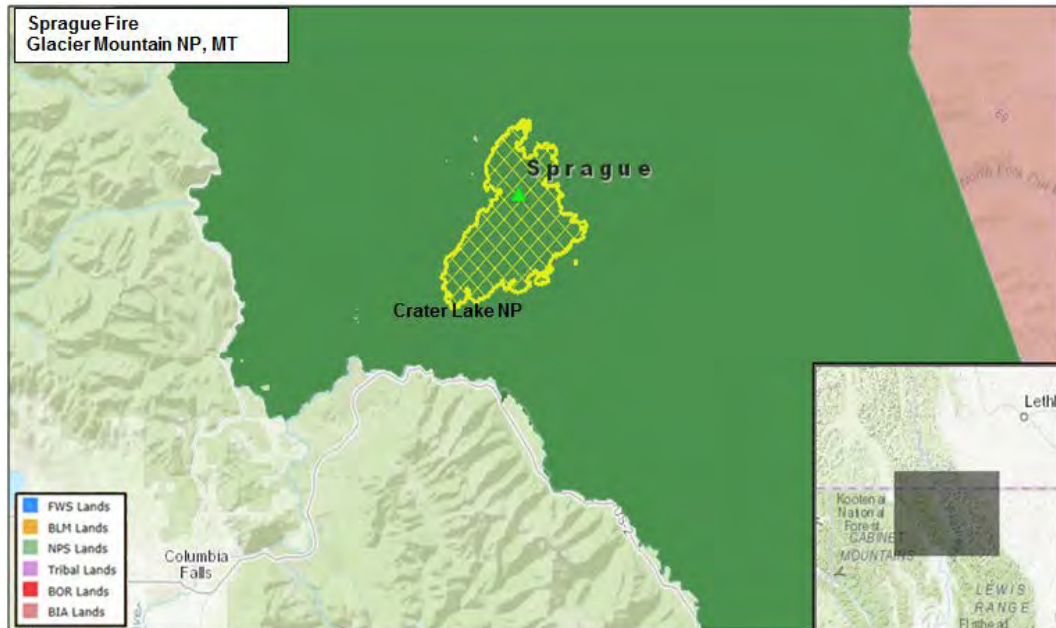
### **Wildland Fire Activity**

**Source:** *Fire and Aviation Management Website - September 18, 2017*

The **Mustang Fire** (Idaho), the **Rankin Fire** (South Dakota), the **Wolverine Fire** (Montana), the **East Fork Fire** (Montana), and the **Cottonwood Fire** (Nevada) all reached 100% containment and will not be summarized today's report.

## Montana

### Sprague Fire



*IGEMS Image*

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (+795)
- Containment: 60-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 171 (+2) / 63 (-26)
- Structures Threatened-Single-Mixed Residential / Commercial: 238 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

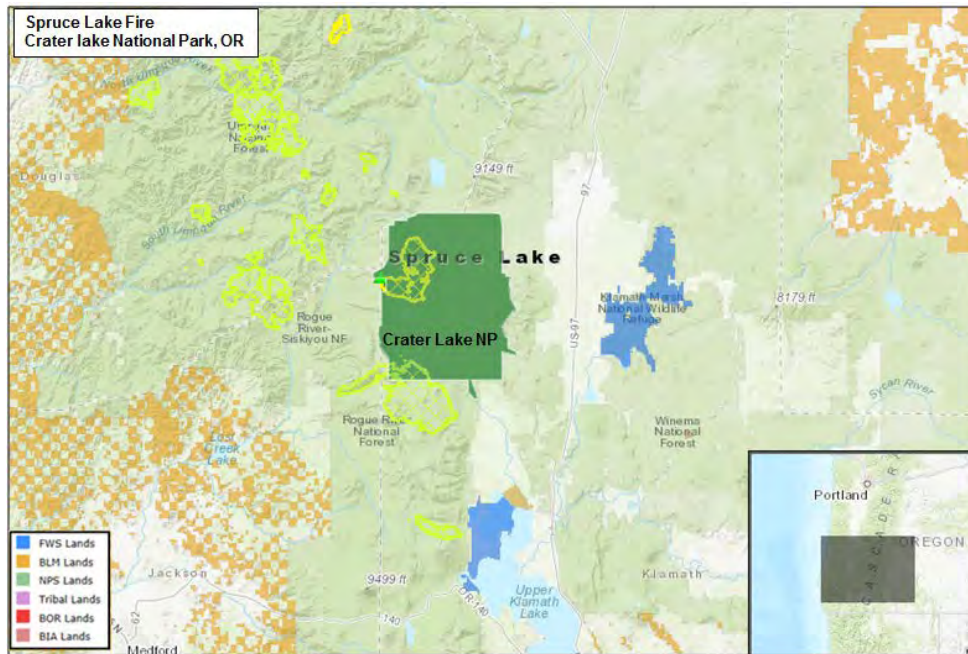
Comments: Fire behavior was described as active during this reporting period with backing, flanking, and single tree torching. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. Opportunities for wetting rain will accompany a front today and again on Wednesday. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

## Oregon

### Spruce Lake Fire

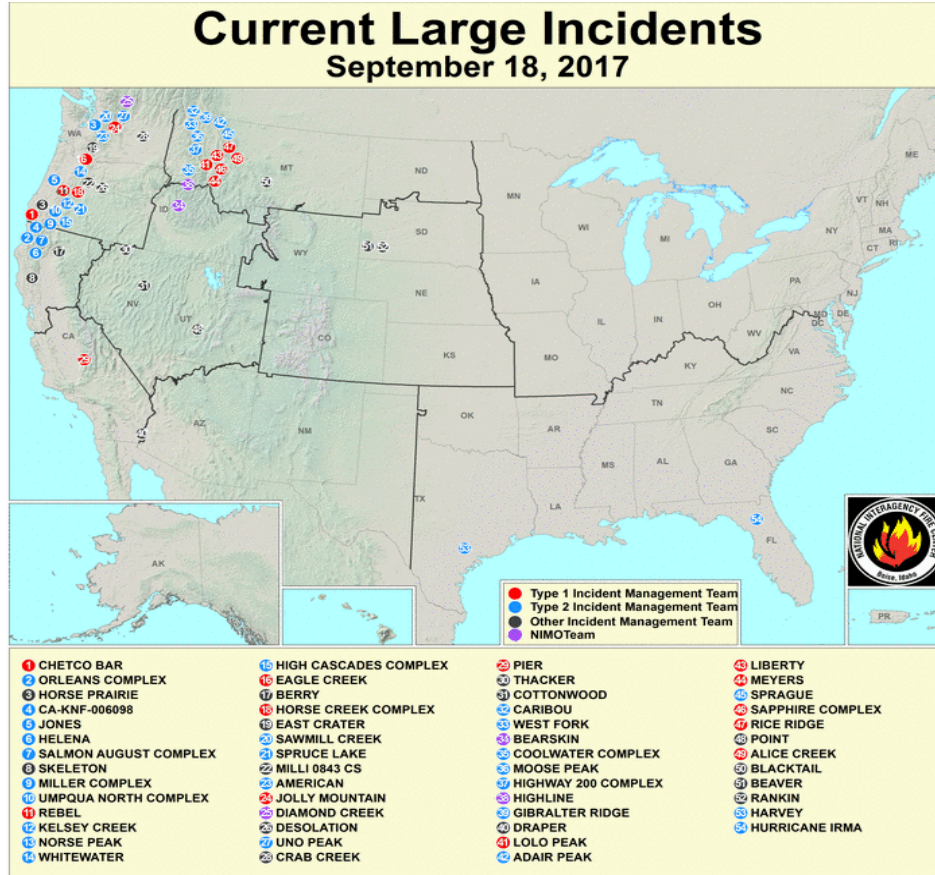
- Start Date: July 29
- Location: Crater Lake National Park (NPS)
- Burned Acres: 15,826 (+166)
- Containment: 22-percent (-5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 41 (+1) / 0 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 39 (+4) / 13 (no change)
- Evacuations / Shelter in place: 0 / 0 (no change)
- Civilian Injuries / Fatalities: 0 / 0 (no change)
- Responder Injuries / Fatalities: 1 / 0 (no change)
- Containment Date: October 15

Comments: Fire behavior was described as moderate with single tree torching and uphill runs. Fire behavior should remain minimal with significant moisture forecast to move into the area. Crater Lake National Park reports that the North Entrance is closed until further notice due to fire activity. Several trails within Crater Lake National Park are closed, including the Pacific Crest Trail. The Northern Spotted Owl habitat, sensitive aquatic species, Forest Service timber sale groves, and other sensitive plant and animal species are threatened by the fire.



IGEMS Image

# Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 18, 2017

### National Preparedness Level 5

### National Fire Activity

Initial attack activity:	Light (64 new fires)
New large fires:	1
Large fires contained:	3
Uncontained large fires: **	20
Area Command Teams committed:	2
NIMOs committed:	4
Type 1 IMTs committed:	9
Type 2 IMTs committed:	24

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at Bogoslof Volcano, but no significant activity was observed in seismic or infrasound data during this reporting period. Slightly elevated surface temperatures were observed in several satellite images over the past day. Bogoslof Volcano remains in an unpredictable condition, and activity can escalate quickly with explosions producing high-altitude (>15,000 ft) volcanic clouds with little to no detectable precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Cleveland Volcano, and no activity was observed in seismic or infrasound data during this reporting period. Slightly elevated surface temperatures were observed in one satellite image over the past day. Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 17, 2017*

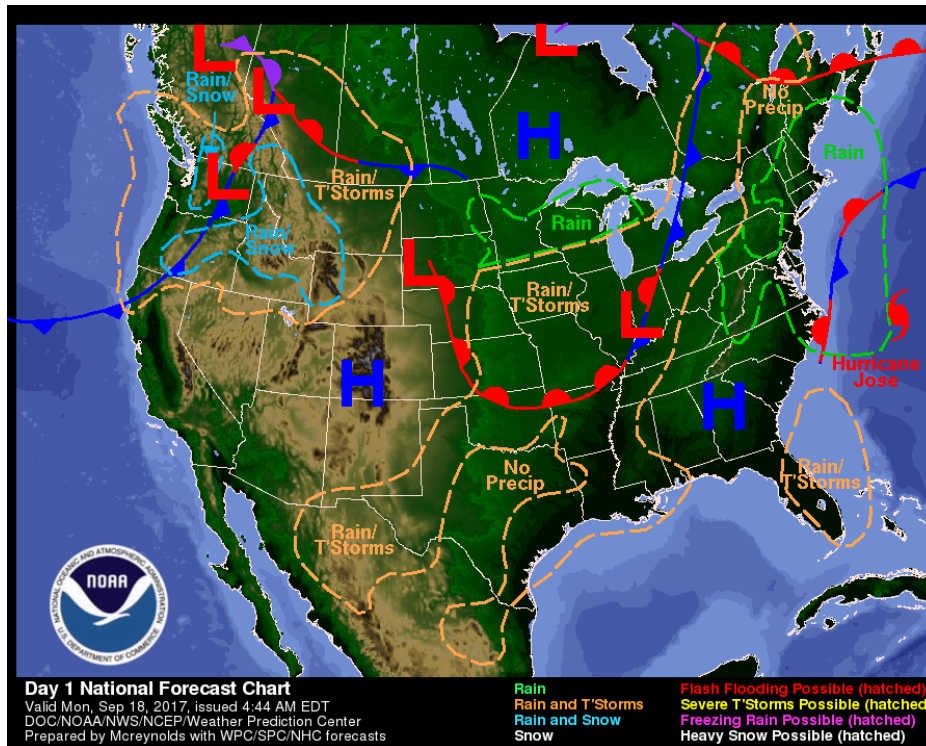
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on its East Rift Zone, and the episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flows remain active above the pali and on the coastal plain, but these flows pose no threat to nearby communities. Low rates of ground deformation and seismicity continue across the volcano.

## Significant National Weather

Source: National Weather Service - September 18, 2017



### Today

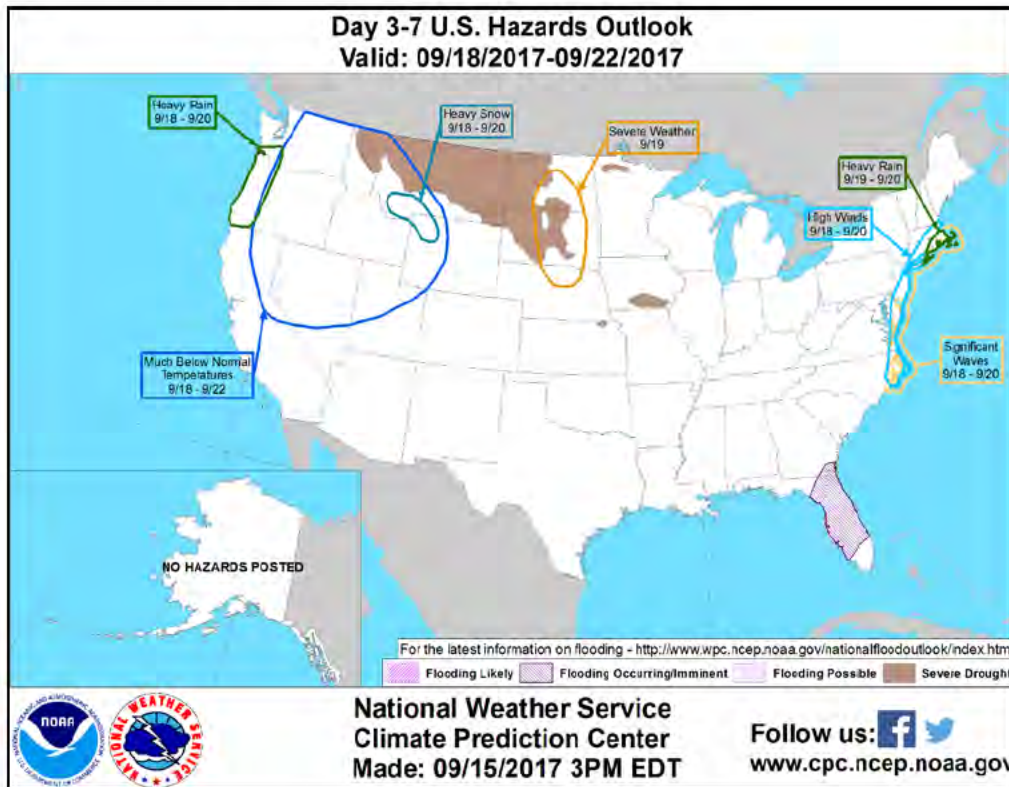
Rain and thunderstorms are expected from the Mississippi River eastward to the East Coast. Showers and thunderstorms will once again develop over portions of California, the Great Basin, the Rockies, and the northern Great Plains.

### Tomorrow

Rain showers will be possible for portions of the central and southern Appalachians. Rain and thunderstorms will develop from the Northeast and New England, south along the mid-Atlantic coast to Florida and the Gulf Coast to the Mississippi Delta region. A frontal boundary will stretch from northern New England through the Great Lakes to the upper Midwest, the northern Plains, and the northern Rockies. Rain and thunderstorms will develop from the upper Midwest and western Great Lakes west across the northern Plains to the Rockies, the Four Corners, and the Great Basin. Isolated severe hail and wind storms are possible across parts of the upper Midwest during the late afternoon and evening, and the Four Corners area during the afternoon. Light rain showers will be possible for a small portion of southern California.



## Weather Hazard Assessment



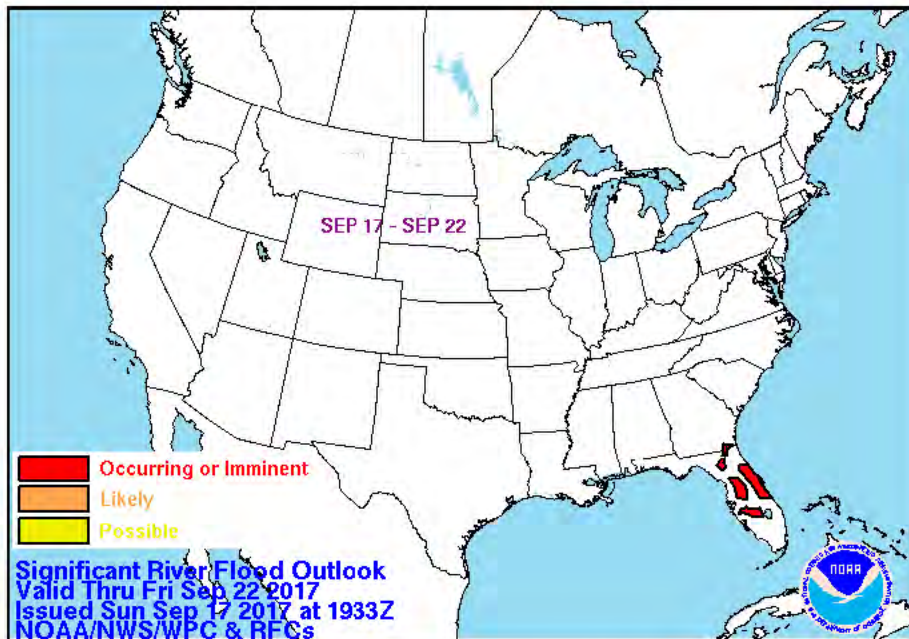
- September 18-20: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Corn Belt, Minnesota, the Rio Grande Valley, and Hawaii.
- September 18-20: Significant waves shifting north from coastal parts of the Outer Banks to New England.
- September 18-20: Periods of heavy snow for parts of the northern Rockies.
- September 18-20: Periods of heavy rain for parts of the Pacific Northwest.
- September 19: Heavy rain for parts of the Pacific Northwest.
- September 19 - 20: Heavy rain for portions of Long Island and southeast New England.
- September 23-24: A slight risk of much below-normal temperatures for parts of the western U.S.

## Alaska Weather



A Gale Warning is in effect from St. Matthew Islands waters and west of the Barren Islands, including Kamishak Bay. There is a Small Craft Advisory in effect from Kiska to the Barren Islands, Pribilof Islands, from Cape Suckling to Cape Decision, north and west of Nunivak Island, Bristol Bay, and from Wales to the Kotzebue Sound. A Flood Advisory is in effect for the upper Koyukuk Valley, the Baldwin Peninsula, the Selawik Valley, the lower Kobuk and Noatak valleys, and the upper Kobuk and Noatak valleys.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of Florida and Georgia.

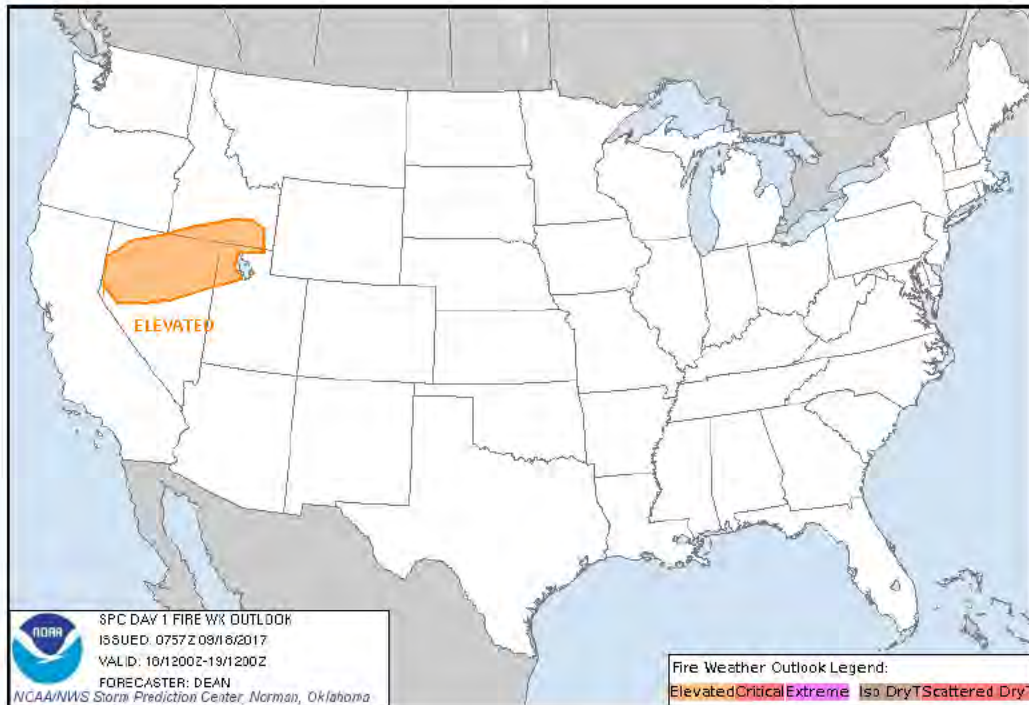
## Severe Weather

There is no severe weather forecast today across the U.S.

## Tornado Weather

There is a less than 2-percent chance of tornado activity today across the U.S.

## Fire Weather

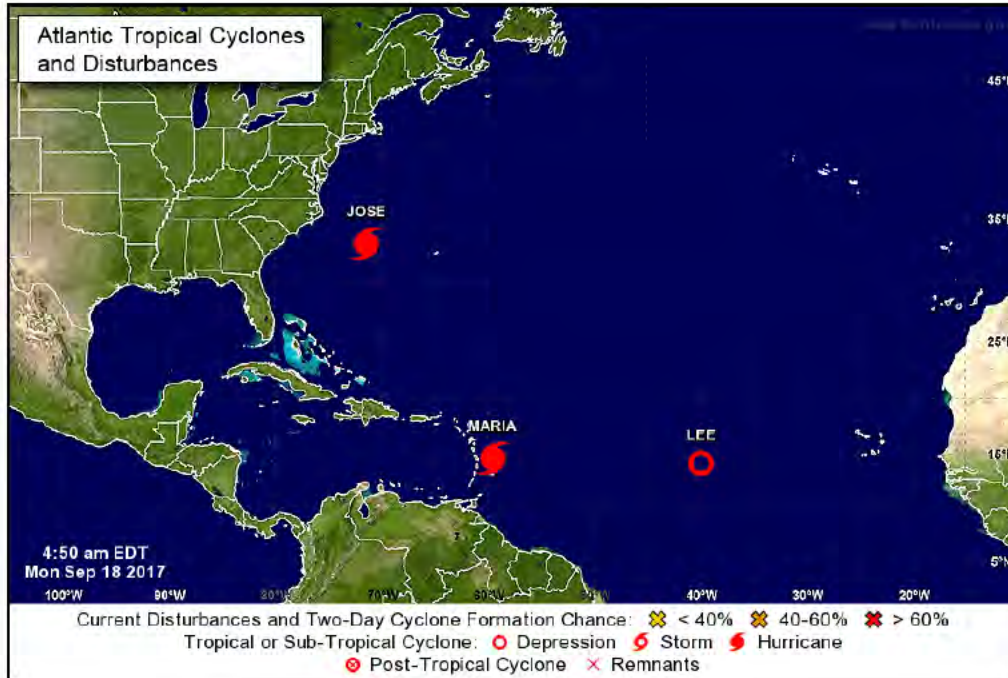


There is Elevated Fire Weather forecast today across northern Nevada, southern Idaho, and northwestern Utah.

## **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – September 18, 2017*

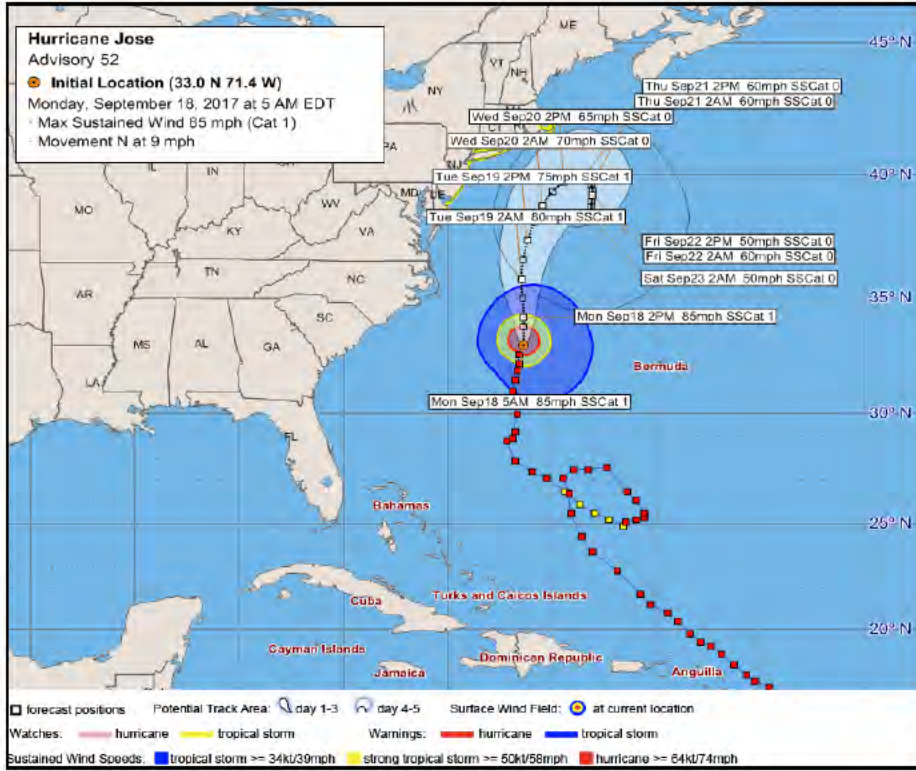
### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



### **Hurricane Jose**

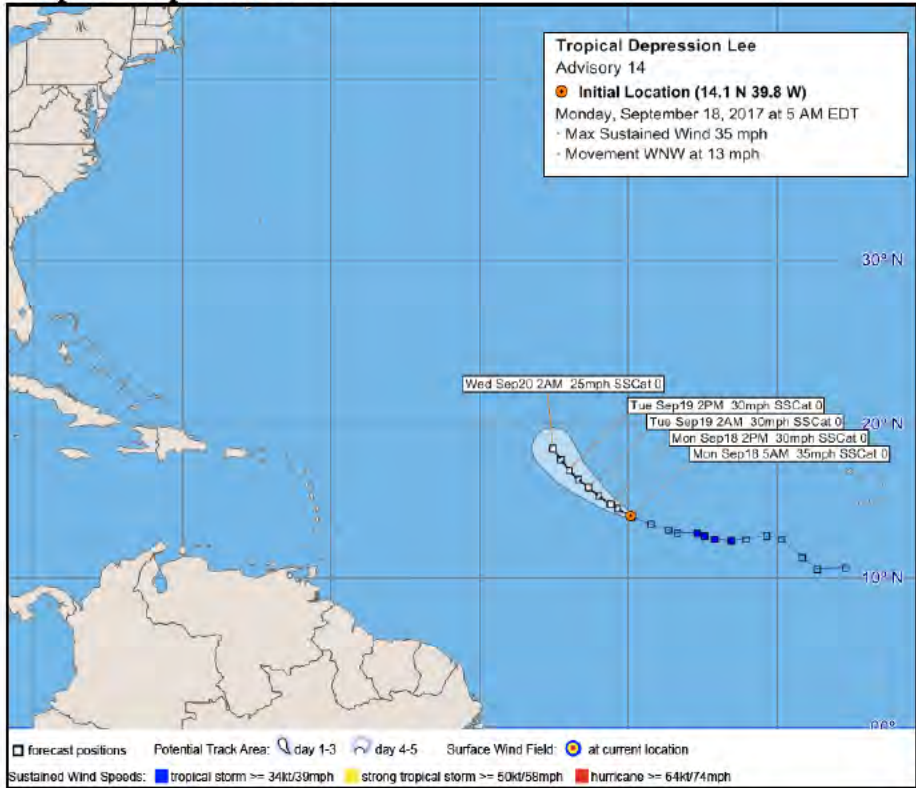
At 5:00 a.m. EDT, the center of Hurricane Jose was located approximately 280 miles southeast of Cape Hatteras, North Carolina, and moving toward the north near 9 mph. This general motion is expected to continue through tonight, but a turn toward the north-northeast is expected tomorrow. Maximum sustained winds are near 85 mph, with higher gusts. Some gradual weakening is forecast during the next 48 hours; however, Jose should remain a hurricane through tomorrow night. Dangerous surf and rip currents are expected along the east coast of the U.S.

A Tropical Storm Watch is in effect for Fenwick Island, Delaware to Sandy Hook, New Jersey, Delaware Bay South, from East Rockaway Inlet to Plymouth, New Jersey, Block Island, Rhode Island, Martha's Vineyard, Massachusetts, and Nantucket, Massachusetts.



HURREVAC image

### Tropical Depression Lee



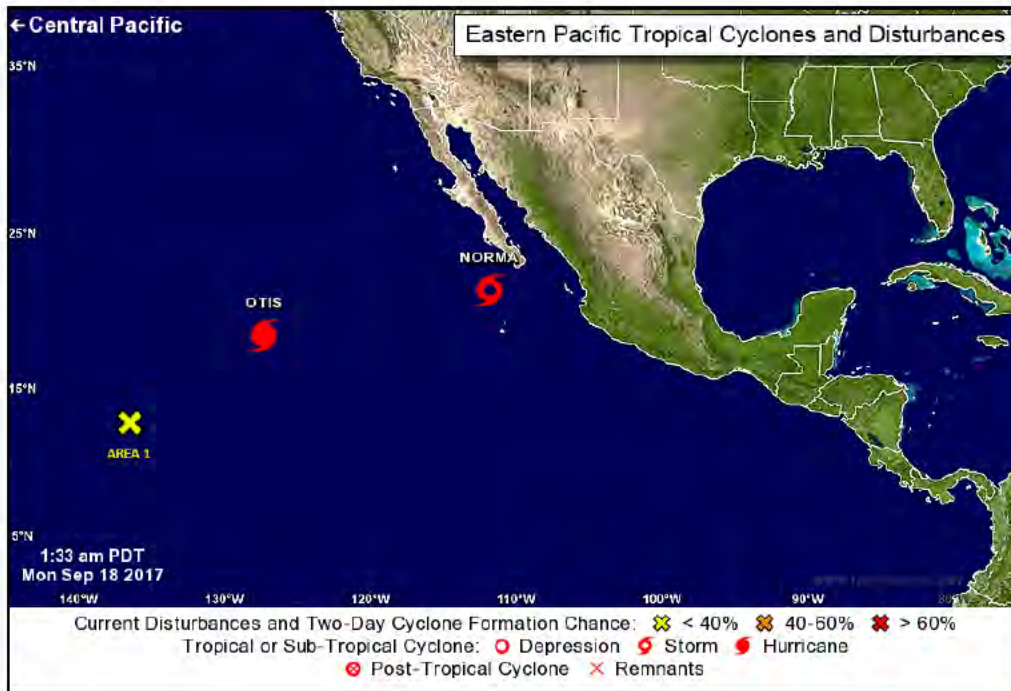
HURREVAC image

At 5:00 a.m. EDT, the center of Tropical Depression Lee was located approximately 1,060 miles west of the Cabo Verde Islands. Lee is moving toward the west-northwest near 13 mph, and this motion is expected to continue during the next 48 hours. Maximum sustained winds are near 35 mph, with higher gusts. Weakening is forecast during the next 48 hours, and Lee could degenerate into a remnant low by tonight. There are no coastal watches or warnings in effect.

**Hurricane Maria:**

Hurricane Maria is summarized in the beginning of this report.

**Eastern Pacific Ocean**



**Area 1**

A trough of low pressure located about 1,300 miles east-southeast of the Hawaiian Islands is producing disorganized showers and thunderstorms. Development, if any, of this system should be slow to occur while it remains nearly stationary during the next few days. This system has a 10-percent chance of becoming tropical formation through the next 48 hours.

**Tropical Storm Norma**

At 5:00 a.m. EDT, the center of Tropical Storm Norma was located approximately 160 miles southwest of Cabo San Lucas, Mexico. Norma is moving toward the northwest near 5 mph. The storm is expected to turn toward the west-northwest and to continue that general direction for the next couple of days. Maximum sustained winds are near 50 mph, with higher gusts. Some

weakening is expected during the next 48 hours, and Norma could become a tropical depression by tomorrow. There are no coastal watches or warnings in effect.



HURREVAC image

### Hurricane Otis



HURREVAC image

At 5:00 a.m. EDT, the center of Hurricane Otis was located approximately 1,165 miles west-southwest of the southern tip of Baja, California. Otis is moving toward the north near 6 mph. A slower northward motion, followed by a turn to the west and southwest, is expected by late tomorrow. Maximum sustained winds are near 100 mph, with higher gusts. Rapid weakening is forecast during the next 48 hours. Otis is expected to remain far offshore. There are no coastal watches or warnings in effect.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, September 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Hurricane Maria - Atlantic Ocean

### **General Situation**

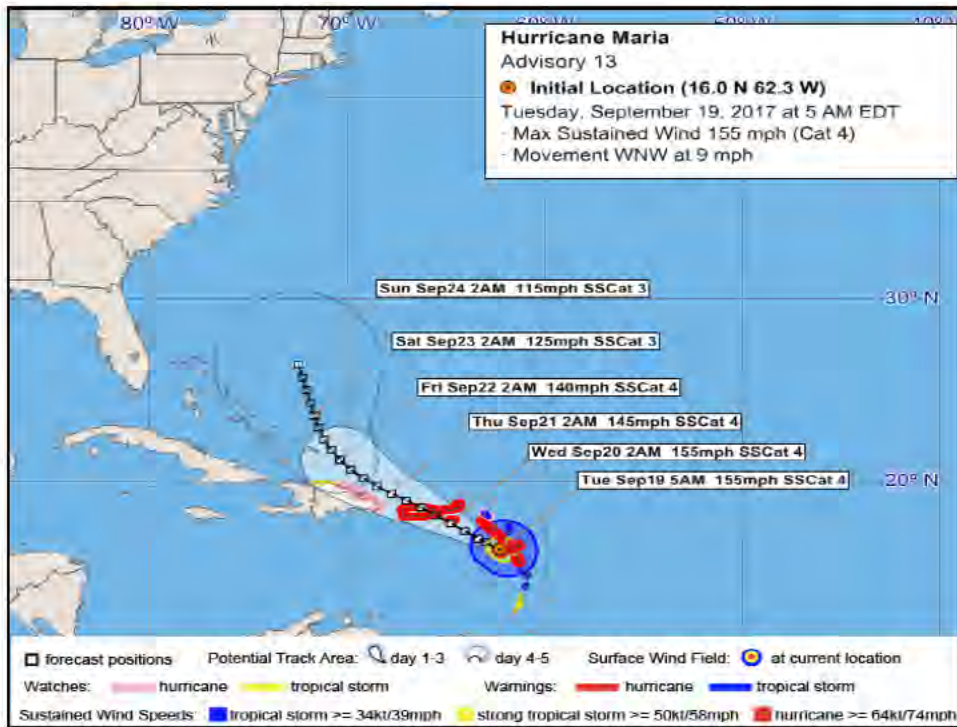
*Source: National Weather Service/National Hurricane Center – September 19, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 205 miles to the southeast of St. Croix and moving to the west-northwest at 9 miles per hour (mph). This general motion is expected to continue through Wednesday. On this forecast track, the eye of Maria will move over the northeastern Caribbean Sea today, and approach the Virgin Islands and Puerto Rico tonight and Wednesday. Maximum sustained winds are near 155 mph, with higher gusts. Maria is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Maria is forecast to remain an extremely dangerous category 4 or 5 hurricane while it approaches the Virgin Islands and Puerto Rico. Hurricane-force winds extend outward up to 30 miles from the storm's center, and tropical storm-force winds extend outward up to 125 miles.

A Hurricane Warning is in effect for the U.S. Virgin Islands, Puerto Rico, Culebra, Vieques, the British Virgin Islands, Guadeloupe, Dominica, St. Kitts, Nevis, and Montserrat. A Hurricane Watch is in effect for Saba, St. Eustatius, St. Maarten, St. Martin, St. Barthelemy, Anguilla, and from Isla Saona to Puerto Plata. A Tropical Storm Warning is in effect for Antigua, Barbuda, Saba, St. Eustatius, St. Maarten, Anguilla, St. Lucia, and Martinique. Hurricane conditions should spread throughout portions of the Hurricane Warning area in the Leeward Islands this

morning, and hurricane conditions should spread through the remainder of the Hurricane Warning area later today and Wednesday. A dangerous storm surge accompanied by large and destructive waves will raise water levels by as much as 7 to 11 feet above normal tide levels in the Hurricane Warning area near where the center of Maria moves across the Leeward Islands and the British Virgin Islands. Puerto Rico and the U.S. Virgin Islands could see a storm surge of 6 to 9 feet.

Maria is expected to produce 10 to 15 inches of rainfall in the U.S. and British Virgin Islands and the central and southern Leeward Islands, with isolated amounts of 20 inches. Puerto Rico is forecast to receive 12 to 18 inches, with isolated amounts of 25 inches possible. The northern Leeward Islands could receive 4 to 8 inches of rainfall, with isolated amounts of 10 inches possible. This rainfall could cause life-threatening flash floods and mudslides.



HURREVAC Image

**DOI Mission Assignments as of September 19, 2017:**

There are currently a total of 49 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
13	Office of Law Enforcement & Security	PR	Under development	49	Under development
<b>Description: Provide Law Enforcement Support for ESF-8 and ESF-9.</b>					

**Location Description: DOI MARIA QRTs 1 and 2 completed preparations and had early morning flight to Puerto Rico this morning.**

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 1 and 2 completed preparations last night for an early morning flight to Puerto Rico. A total of 49 team members will be part of this deployment. The teams have been in contact with ESF #13 assets on the ground in Puerto Rico. Team members received U.S. Marshals Service (USMS) special deputations for the Maria mission on September 18, while staged in Orlando. Teams have also conducted gear and supply checks and have confirmed they will be able to self sustain as necessary. Teams have been advised to rent high clearance vehicles (8 per team) upon arrival, and will stay at a local hotel. The hotel is a fortified structure, and the team will ride out the storm by sheltering there. The teams are scheduled to receive a briefing today from ESF #13 leadership in Puerto Rico. All team members are accounted for with no unmet needs.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Maria Update**

*Source: National Park Service – September 18, 2017*

The National Park Service (NPS) is preparing for Hurricane Maria. On September 18, the Eastern Incident Management Team (EIMT) sent overhead staff to San Juan to interface with the Caribbean Parks regarding Hurricane Maria. The NPS Caribbean Parks have evacuated non-essential staff from St. John and relocated most staff and family to San Juan, Puerto Rico. Three EIMT resources have been dispatched to Puerto Rico. All personnel arrived at the San Juan National Historic Site on September 18, and a Type-3 IMT will manage the relocation of Virgin Islands National Park and Christiansted National Historic Site personnel. The IMT will also manage the re-entry to both locations following the storm and support post re-entry operations. NPS has provided the following location updates:

- *San Juan:* Approximately 70 individuals and 11 pets from St. Thomas and St. John were brought to Puerto Rico by boat. San Juan National Historic Site employees that remain in the area have located a bunker with three feet thick walls to shelter in during the hurricane.
- *St. John:* Twenty-five NPS maintenance employees and 6 Special Event Team (SET) members remain on St. John, and shelter locations have been identified for staff.
- *St. Croix:* There are 14 NPS employees on St. Croix, and one USGS member has also joined this group. Shelter locations have been identified.

## **United States Geological Survey**

Source: United States Geological Survey (USGS) – September 18, 2017

The USGS reports that there are 31 personnel on Puerto Rico, and all the personnel are currently accounted for. The USGS has one person on St. Croix, and that individual is sheltering in place with NPS staff. The USGS will be establishing a coordinated information and data [website](#), and information from the deployed sensors is currently available on the [USGS Flood Event viewer](#).

The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. On September 18, the USGS reported that 12 personnel are deploying 14 temporary sensors on the southern and eastern coasts of Puerto Rico from Fajardo to Ponce as part of a training exercise in preparation for Hurricane Maria.

### **Other Federal and State Government Reporting**

#### **Emergency Declaration - U.S. Virgin Islands**

Source: FEMA Emergency Declaration (FEMA 3390-EM) – September 18, 2017

On September 18, the President approved an Emergency Declaration for the U.S. Virgin Islands (FEMA-3390-EM-USVI) for Hurricane Maria beginning September 16, and continuing. This declaration provides Public Assistance for all islands in the territory of the U.S. Virgin Islands and includes debris removal, emergency protective measures (Categories A and B), and direct federal assistance.

On September 18, the President approved an Emergency Declaration for Puerto Rico (FEMA-3391-EM-Puerto Rico) for Hurricane Maria beginning September 17, and continuing. This declaration provides for debris removal, emergency protective measures (Categories A and B), and direct federal assistance for all 78 municipalities in the Commonwealth.

### **Irma Recovery and Response Efforts**

#### **DOI Mission Assignments as of September 19, 2017:**

There are currently a total of 202 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	12	PR-17090102-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					

5	USGS	Georgia Coast	\$135,000	0	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	0	9/7/2017
SC-17083101-USGS-01					
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$482,500	27	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	OEM	FEMA HQ	\$15,000	2	9/5/2017
4337DR-FL-DOI-01					
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					
5	BIA	FL	\$15,000	1	9/13/2017
MA: 3388EM-FL-DOI-01					
<b>Description: BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017</b>					
<b>Personnel Description: One BIA EM person supporting remotely prior to JFO establishment.</b>					
8	NPS	FL	N/A	3	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					

11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					PR-17090102-DOI-01

**Description: Support ESF #11 position activation at the NRCC.**

13	OLES	Seminole Tribe	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
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**Description: Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.**

**Location Description: DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.**

**Personnel Description:**

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel  
2 - BIA radio techs

13	Office of Law Enforcement & Security	Orlando	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	65	MA#3385EM-FL-USDJ-01
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**Description: Provide Law Enforcement Support for ESF-8 and ESF-9.**

**Location Description:** DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments.

Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017
					MA: 4377DR-FL-DOI-03

**Description:** US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team

**Personnel Description:** 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 9 personnel have been identified and planning to deploy early next week.

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 (Information and Planning)- United States Geological Survey (USGS): Twenty-seven personnel were in Florida yesterday retrieving storm surge sensors and analyzing data under Mission Assignment (MA) 3385EM-FL-USGS-01. To date, 121 surge sensors have been retrieved, five sensors were lost in Hurricane Irma, and 32 sensors have been processed for data. Forty high water marks (HWMs) have been flagged, and 33 HWMs were surveyed. The USGS is coordinating with FEMA Region 4 to amend this MA to perform additional HWMs in the Florida Keys.

In Georgia, three USGS personnel were in the field retrieving storm surge sensors and analyzing data under MA GA-17083101-USGS-01. Fifty-eight (all) surge sensors have been retrieved, and 42 HWMs have been flagged and surveyed. In South Carolina, three personnel were processing surge sensor data under MA SC-17083101-USGS-01 from the 66 (all) surge sensors that have been retrieved. Ten rapid deployment gages (RDGs), deployed for Irma, remain in the field, and 32 HWMs have been flagged and surveyed.

**ESF #13 (Public Safety and Security)**

- ESF #13 - Office of Law Enforcement and Security (OLES): ESF-13 has begun demobilization of Irma assets; may retain some teams for Maria. Moody AFB is no longer being used as a staging area.

## **DOI Bureau and Office Reporting:**

### **National Park Service - Irma Update**

*Source: National Park Service – September 18, 2017*

The Eastern Incident Management Team (EIMT) continues to operate its Incident Command Post (ICP) from the Krome Center in Homestead, Florida. The following park updates were provided by NPS:

- *Virgin Islands (VIIS):* Six Special Event Team (SET) members remain on St. John, as well as 25 maintenance personnel.
- *San Juan (SAJU):* Approximately 60 people (NPS staff and family) and 11 pets arrived from St. John and St. Thomas.
- *Christiansted (CHRI):* All employees are accounted for, and the park has implemented their severe weather plan. The park was scheduled to close once employees left for the day yesterday. Boats are being pulled from the water, and generators are being collected. The internet and phones remain down, and personnel are utilizing mobile hot spots. There are 14 employees, 2 family members, and 1 USGS member on the island. Everything is out of stock on the island, and the park has no satellite phone. FEMA will allow the park to use their phone to check in post-storm.
- *Big Cypress (BICY):* The park remains closed. All employees are accounted for and are scheduled to return on September 25. Employees will remain on annual leave until then. The Critical Incident Stress Management Team is working with employees that have sustained significant losses as many of park staff have lost their homes. Temporarily displaced employees have been moved into vacant park housing quarters, awaiting FEMA. Resource requests are being made through the EIMT, with the most significant resources being filled by the local Emergency Operations Center, State SERT, and the National Guard. Significant power outages remain in Collier County. Fuel, food, and water needs are being provided, and local aid organizations are being overwhelmed with clothing donations. A significant injury was reported on Sunday, and teams have been advised to slow down and work safely.
- *Biscayne (BISC):* The park remains closed. Park management has returned to the site. One employee has been displaced from their work residence until an air conditioning unit arrives. Hazard tree reduction is taking place, and law enforcement assets are onsite checking navigational aides and safety markers. A crane has been requested to help move a dock blocking a boat ramp, and waste treatment is being checked. A moisture meter is needed to assess levels in the headquarters and visitor's center.
- *Everglades (EVER):* The park remains closed. All park residents are currently displaced, with 12 expected to be displaced for an extended period. All park supervisors reported to work yesterday and were contacting subordinates with the intention of them returning to work today, if able. A list of available staff, along with critical skills, was scheduled to



be shared with IMT Branch Directors yesterday. The park will continue to focus on Irma recovery and will delay typical hurricane break-down activities until more is known on Maria's track.

- *Dry Tortugas (DRTO)*: The park remains closed, and assessments are continuing in all areas. The front gate is broken, and it appears that individual(s) had access to the park radio and DOI network. An investigation has been initiated by law enforcement personnel. The park will continue to focus on Irma recovery and will delay typical hurricane break-down activities until more is known on Maria's track.
- *De Soto (DESO)*: The park remains closed, but anticipates reopening by the weekend. All employees are accounted for. A crew from the Canaveral National Seashore was scheduled to arrive and begin providing assistance yesterday. Dumpsters were also scheduled to arrive yesterday, but the park has not received any return calls from the contracted company. The park submitted a request to buy liquids with electrolytes, but the request was declined. The park is requesting additional clarification on the use of certain funds.
- *Canaveral (CANA)*: Assessments are ongoing, and the park is working on removing debris and hazardous trees. There is a significant amount of sand on the roadways. The park sent two employees to De Soto to assist with cleanup efforts.
- *Castillo de San Marcos (CASA)*: All staff remain accounted for. Fort Matanzas National Monument remains closed, and Castillo de San Marcos is open. The park is hoping to have Fort Matanzas open within a couple of days. An archaeological assessment has been completed at Castillo de San Marcos and Fort Matanzas. There have been a couple of trees identified at Castillo de San Marcos that will need to be mitigated.
- *Timucuan (TIMU)*: The park is closed, and all staff are accounted for. Power, phones, and internet service have been restored to the Fort Caroline (FOCA) Visitor's Center (VC) and the headquarters (HQ). Cleanup crews have cleared the FOCA VC area and trails of debris and reopened on September 18. Power has been restored at Kingsley Plantation (KP); however, the site will remain closed. Cleanup efforts will shift to the Main House, the Lodge, and VC grounds. The Cedar Point boat launch is open to the public, but the trail system and the Theodore Roosevelt area (TRA) will remain closed until they are cleared of debris. TIMU continues to share resources with the Florida Park Service and, through relationships with the city and park residents, has been able to expedite the clearing of trees and restoring power to KP.
- *Southern Florida Caribbean Network (SFCN)*: The park is open. All staff remain accounted for, and the Palmetto Bay office is open and operational with no damages.
- *Fort Pulaski (FOPU)*: The park is closed. All personnel are accounted for, and the assessment team is on the ground. Well water on the site was tested and the results are pending. Trails have been inspected, and numerous trees have fallen. Requests will be

submitted for saw teams to assist with tree removal. A CISM team will be onsite on September 19 and they are coordinating with displaced employees.

- *Cumberland Island (CUIS) / Ft. Frederica (FOFR)*: The park is closed. Park staff is in the park; however, the park remains closed. Law enforcement personnel are located on the island for law enforcement and medical support. Assessments are ongoing on the roofs at two historical structures in order to determine the necessary emergency repairs. Inventories are ongoing to warehouse items to determine serviceability. The site is experiencing difficulty obtaining fuel for use with boats. The park is exploring the possibility to use docks with the city of St. Mary's for visitor access. Efforts are ongoing with the city, and the U.S. Coast Guard (USCG) to clean up the waterfront. Requests have been submitted for an additional boat operator.
- *Fort Sumter (FOSU)*: The park is partially open. Crews began debris and mud removal at the fort. The full assessment of the dock is still pending; however, work continues to restore electrical power to the dock and to repair dock railings. Repairs are ongoing to the septic system at the fort.

### **Bureau of Indian Affairs - Irma Update**

Source: Bureau of Indian Affairs – September 18, 2017

The FEMA Region IV Tribal Liaison continues to stay in contact and support the Seminole Tribe of Florida and the Miccosukee Tribe of Indians of Florida.

- *Seminole Tribe of Florida*: Two shelters remain open with 20 occupants. The shelters continue their usage as cooling and feeding stations for tribal members. The Tribe is procuring generators where power is still out for patients with special medical conditions and to continue running life sustaining equipment. All reservations continue to have power issues; however, the power company was repairing power lines at the Big Cypress Reservation on September 19. Generator repairs are ongoing for all reservations. Big Cypress Reservation EOC will remain on full activation until power is restored.
- *Miccosukee Tribe of Indians of Florida*: The Water Utility Supervisor for the Miccosukee Tribe of Indians of Florida reports that power restoration has improved, with approximately 75-percent of the homes regaining electricity. The Miccosukee now have community water. Internet and phone services have been improving, but cellular service remains poor.

### **United States Geological Survey (USGS) - Irma Update**

Source: United States Geological Survey – September 18, 2017

The USGS reports that 36 gages in Florida are down, and 50 gages have been repaired to date. At the USGS CFWSC in Florida, 18 personnel were in the field yesterday repairing gages and making discharge measurements under their own authority. There have been 157 discharge measurements in Florida in response to Irma.

## **Office of Environmental Policy and Compliance (OPEC) - Irma Update**

*Source: Office of Environmental Policy and Compliance – September 18, 2017*

Much of the ESF #11 activities within Puerto Rico and the U.S. Virgin Islands are on pause as Hurricane Maria approaches the islands. OEPC will continue to monitor the situation and take actions to provide support as necessary and work to deploy a Field Coordinator to Florida under the Natural and Cultural Resources Recovery Support Function (NCR RSF).

## **Office of Law Enforcement and Security (OLES)**

*Source: Office of Law Enforcement and Security – September 18, 2017*

DOI ESF #13 is working on the sales order with the Department of Justice for Irma. DOI ESF #13 will then be able to establish Interagency Agreements (IAAs) with the bureaus, for both the Florida response (Irma QRTs 1, 4, and 6) and the Seminole response (Irma QRTs 2, 3, and 5 and bunkhouse/radio personnel).

## **Other Federal and State Government Reporting**

### **Federal Emergency Management Agency**

*Source: FEMA National Situation Report – September 19, 2017*

FEMA Headquarters:

- NRCC: Level I (day shift), Level II (night shift); NWC: Steady State
- National Incident Management Assistance Teams (IMATs): East-1 (Florida EOC); East-2 (Puerto Rico CAD)
- Red Incident Support Team (IST) relocating to Puerto Rico

Region Response:

- Region I Regional Response Coordination Center (RRCC) activated to Level II
- Region II RRCC at Level II (24/7)
- Region IV RRCC at Level II (24/7), Liaison Officers (LNOs) to Florida, South Carolina, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to the U.S. Virgin Islands: Region II IMATs A & B, Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1, Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

State/Territory/Local Response:

- Florida, U.S. Virgin Islands, and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida EOC at Full Activation
- Miccosukee Tribe has two EOCs at Full Activation
- Alabama, Georgia, Mississippi EOCs at Partial Activation
- Tennessee EOC at Monitoring

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 19, 2017:**

There are currently a total of 60 DOI Personnel supporting the response under the FEMA mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description: Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.</b>					
<b>Personnel Description: 29 Total - 7 NPS; 1 BIA; 21FWS; 1 BLM</b>					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	26	8/26/2017
					4332DR-TX-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 26 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)</b>					
NCR RSF	OEPC	Austin, TX	\$56,910	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description: Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies</b>					

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 22 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,200 locations have had HWMs flagged, with over 464 locations surveyed.

### **ESF #11 (Agriculture and Natural Resources)**

- ESF #11 (OPEC): Continue to coordinate with the bureaus and ESF #11 support agencies to create preliminary lists of SMEs who could be available for deployment under a FEMA Mission Assignment. Coordinate with OEM on Inter-agency Surge Capacity Force volunteer effort to ensure coordinated effort across the Department.

### **ESF #13 (Public Safety)**

- ESF #13 - OLES: Hurricane Harvey funding issues have been resolved; IAAs have been established with each bureau.

## **DOI Bureau and Office Updates:**

### **Office of Environmental Policy and Compliance (OPEC)**

*Source: Office of Environmental Policy and Compliance – September 18, 2017*

In coordination with the Heritage Emergency National Task Force, OEPC will continue to identify impacts to cultural resources from Hurricane Harvey. The University of Texas at Austin School of Information is continuing their work to identify cultural resource institutions and their status following the storm. Most of the cultural resource institutions located within Houston with impacts are being assisted by the National Heritage Responders. Identification and damage assessments for those institutions outside the Houston area continue. Coordinating with the Institute of Museum and Library Services on capabilities and funding they have available or will have available in FY18 for those cultural institutions impacted by the disaster.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 19, 2017*

A new Incident Status Summary (ICS-209) was not provided for the **Sprague Fire** (Montana). Therefore, the fire will not be summarized in today's report. Daily reporting will resume when an updated ICS-209 is published for the fire.

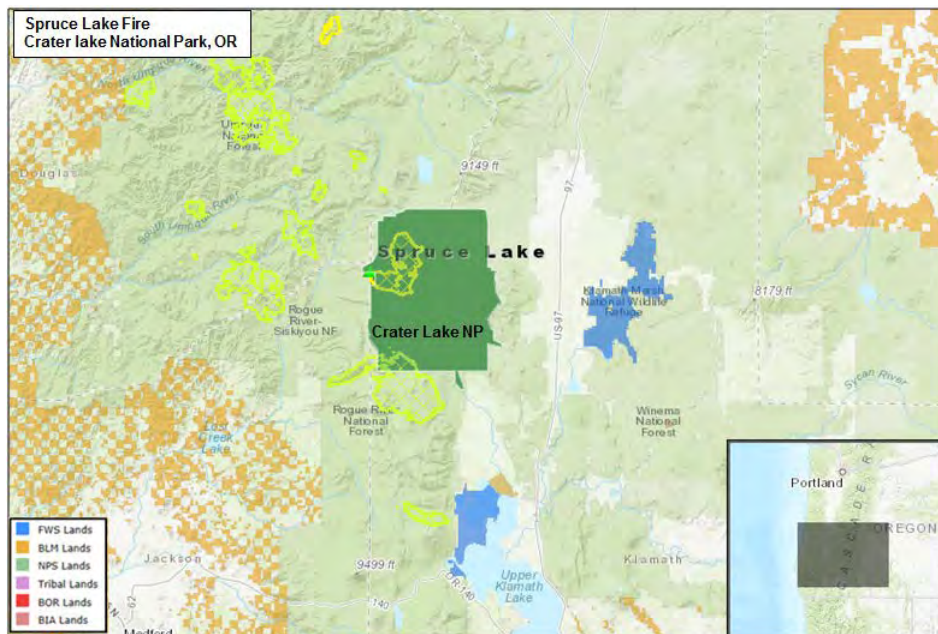
The National Interagency Fire Center reported that the National Wildland Fire Preparedness Level was reduced to Level 4 as of 2:00 p.m. on September 18 due to a decrease in wildland fire activity throughout the western U.S.

## Oregon

### Spruce Lake Fire

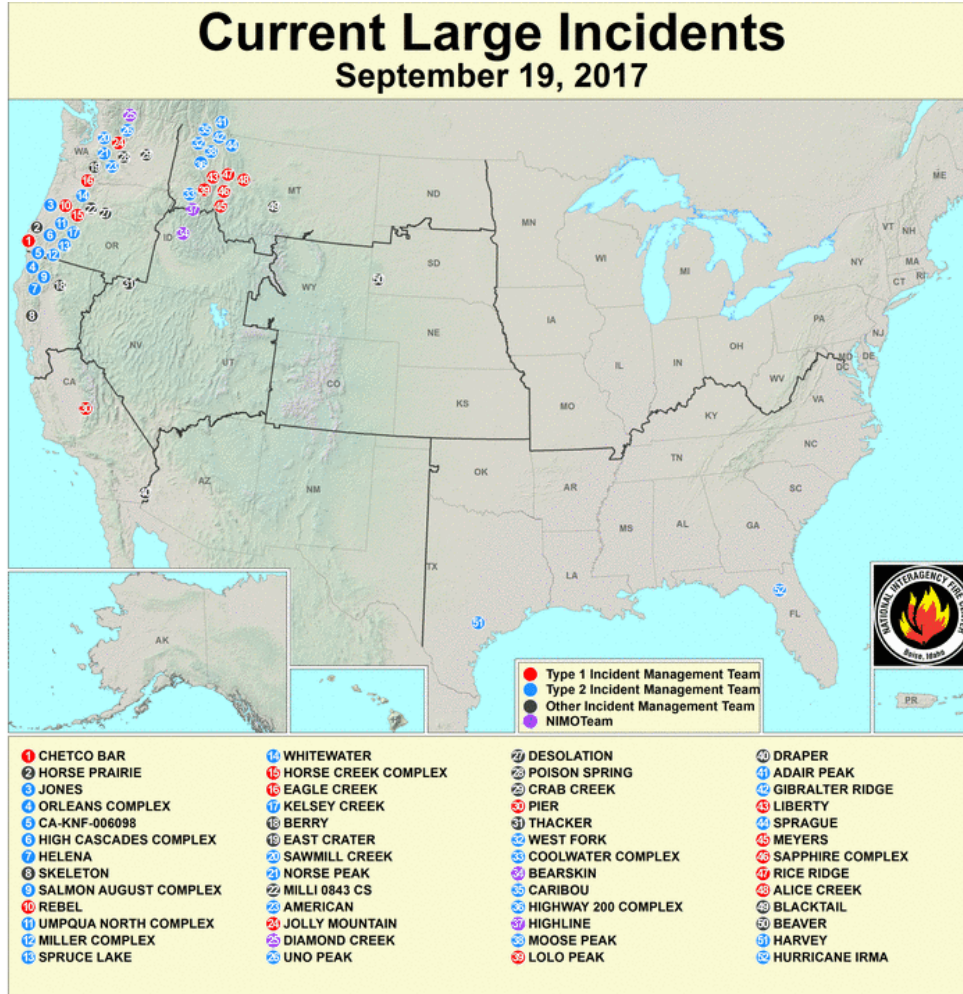
- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 15,826 (no change)
- Containment: 22-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 2 (-39) / 1 (+1)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (-39) / 0 (-13)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: October 15

Comments: Fire behavior was described as minimal with backing, creeping, and smoldering. Initial rounds of heavy rains have reduced fire activity. Fire behavior should remain minimal with significant moisture forecast to continue in the area. Crater Lake National Park reports that the North Entrance is closed until further notice due to fire activity. Several trails within Crater Lake National Park are closed, including the Pacific Crest Trail. The Northern Spotted Owl habitat, sensitive aquatic species, Forest Service timber sale groves, and other sensitive plant and animal species are threatened by the fire.



IGEMS Image

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 19, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (76 new fires)
New large fires:	1
Large fires contained:	4
Uncontained large fires: **	26
Area Command Teams committed:	1
NIMOs committed:	3
Type 1 IMTs committed:	7
Type 2 IMTs committed:	26

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, but no significant activity was observed in satellite, seismic, and infrasound data during this reporting period. The AVO has no ground-based volcano monitoring equipment on Bogoslof, but will continue to monitor volcanic activity with satellite images, seismic and infrasound instruments on nearby islands, and lightning data from the Worldwide Lightning Location Network. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing significant was observed in satellite, seismic, and infrasound data during this reporting period. Some minor steaming at the summit was visible in web camera views. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. The rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 18, 2017*

**Alert Level = WATCH**

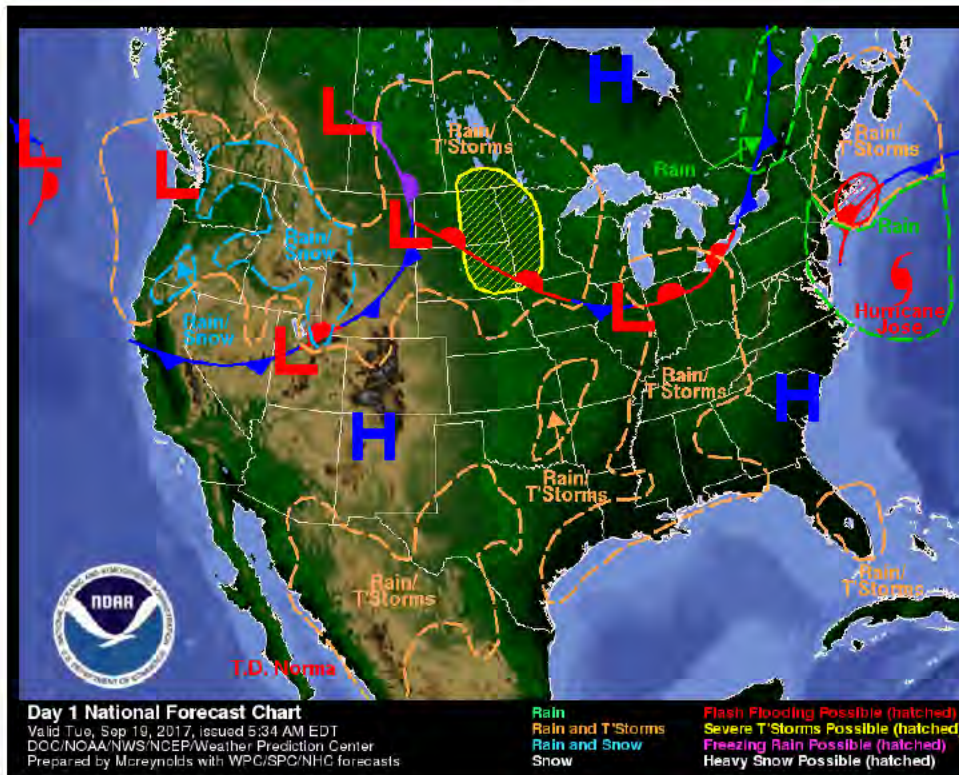
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flows remain active above the pali and on the coastal plain. These flows are posing no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano, and the lava lake surface remained at about 77 feet below the rim of the Overlook crater when measured on Monday morning.



## **Significant National Weather**

*Source: National Weather Service - September 19, 2017*



### **Today**

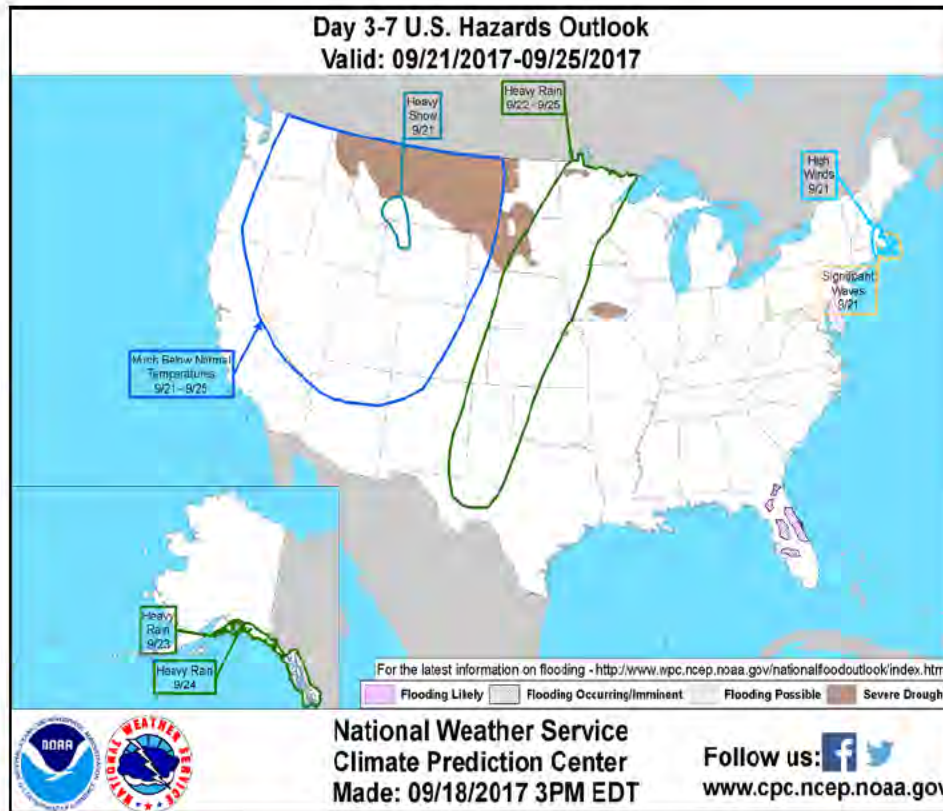
Rain and thunderstorms will develop from the southern Great Lakes to the South and the Gulf Coast region. More showers and thunderstorms are possible for southern Florida, central Texas, and portions of the central Plains. A few severe thunderstorms are also expected over parts of west-central Texas. A weather system will push into the northern high Plains and northern Great Basin. Rain and thunderstorms will develop from the Northwest east into the upper Midwest. Significant severe thunderstorms capable of damaging winds, large hail, and a few tornadoes are expected over parts of the eastern Dakotas into western Minnesota this afternoon and evening. Higher elevation areas of rain and snow will be possible for the Cascades and northern Rockies.

### **Tomorrow**

Showers and thunderstorms will once again develop over the eastern parts of New England, and more showers and thunderstorms are expected from the Gulf Coast into the southern and central Appalachians. Rain and thunderstorms will also develop from Mexico into central Texas. Rain and thunderstorms will also develop over the upper Midwest and Great Lakes into the central Plains. A few severe thunderstorms are possible from northeastern Kansas to the Upper Peninsula of Michigan on Wednesday afternoon and evening. Lower elevation showers and thunderstorms will develop across the Northwest, the Sierras, the northern Great Basin, and the

northern Rockies. Rain and snow will be possible for the higher elevations of the Northwest and the northern Rockies.

## Weather Hazard Assessment



- September 19: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Corn Belt, Minnesota, the Rio Grande Valley, and Hawaii.
- September 19: Flooding is occurring or imminent across portions of Florida.
- September 21: Heavy snow across portions of Wyoming and Montana.
- September 21: High winds across southeastern New England.
- September 21: High significant wave heights for coastal portions of southeastern New England.
- September 21-25: Much below-normal temperatures across much of the western U.S.
- September 22-25: Heavy rain across portions of the Great Plains and the upper Mississippi Valley.
- September 23: Heavy rain across portions of the Kenai Peninsula.
- September 24: Heavy rain across portions of the Alaska Panhandle and southern mainland Alaska.

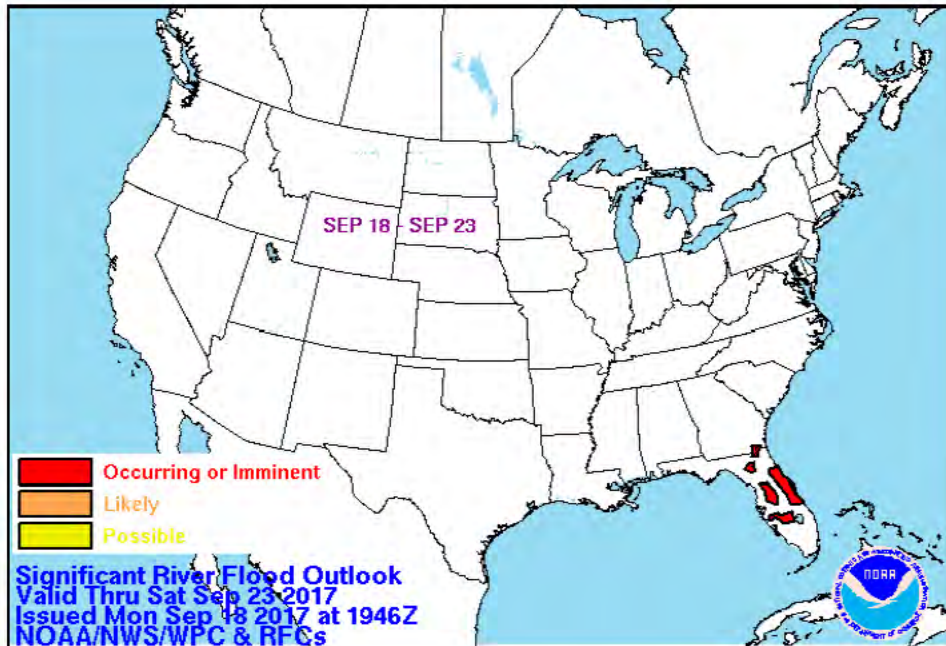
## Alaska Weather

A Gale Warning is in effect from Kiska to Nikolski in the Aleutian Islands. There is a Small Craft Advisory in effect from Kiska to Attu, the eastern Aleutian Islands, the Shelikof Strait, much of the Gulf of Alaska, the Bristol Bay, the Kuskokwim Delta, St. Matthew Island, St.

Lawrence Island, the Norton Sound, the Kotzebue Sound, and from Wales to Cape Thompson. A Flood Advisory is in effect for the southwestern portions of Brooks Range, and a High Surf Advisory is in effect for coastal portions of west-central Alaska.

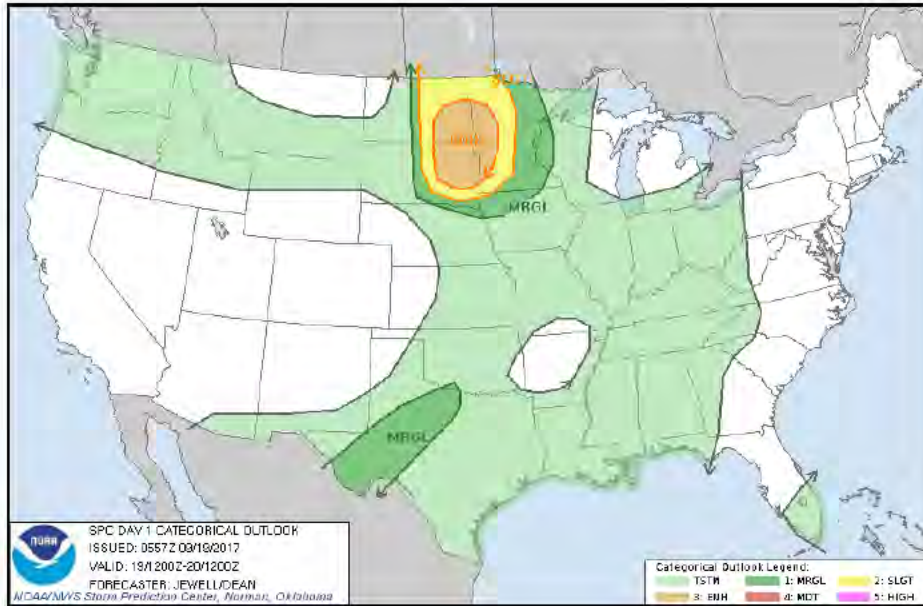


### Significant River Flooding



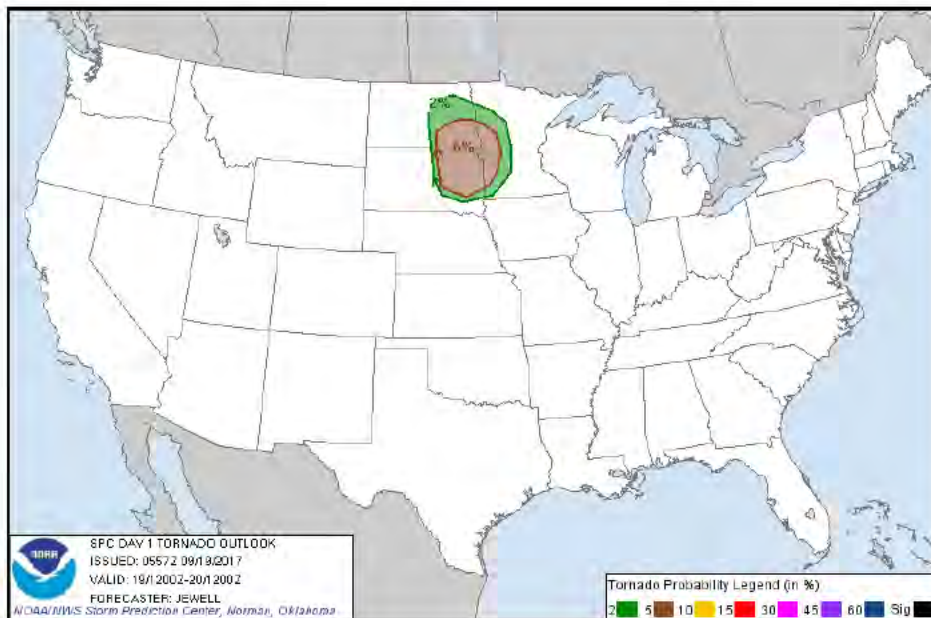
Significant river flooding is occurring or imminent across portions of Florida and southeastern Georgia.

## Severe Weather



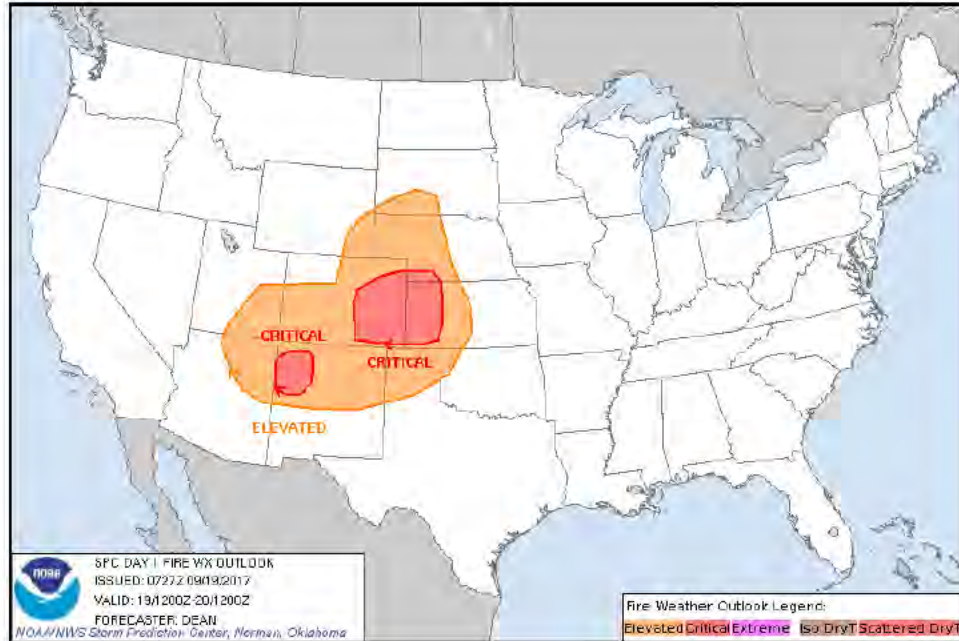
There is an Enhanced Risk of severe thunderstorm activity today across parts of eastern South Dakota, eastern North Dakota, and western Minnesota. There is a Marginal to Slight Risk of severe thunderstorms from the central Dakotas to western Wisconsin. A Marginal Risk also exists in parts of western and northern Texas.

## Tornado Weather



There is a 2 to 5-percent chance of tornado activity today from the central Dakotas to central Minnesota.

## Fire Weather



There is Critical Fire Weather forecast for today in northwestern New Mexico, eastern Colorado, western Kansas, and southwestern Nebraska. There is Elevated Fire Weather forecast for northern New Mexico, northern Texas, western Oklahoma, western Kansas, western Nebraska, southwestern South Dakota, southeastern Wyoming, Colorado, southeastern Utah, and northeastern Arizona.

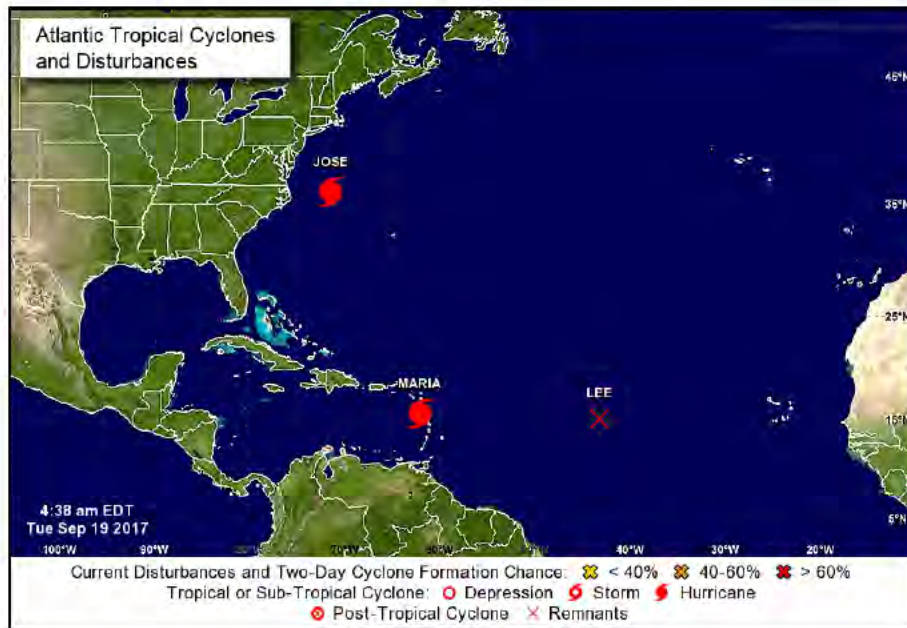
### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 19, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

##### **Remnants of Tropical Depression Lee**

The National Hurricane Center (NHC) is reporting that Lee has degenerated into a remnant low, and the NHC issued a final advisory last night. At 11:00 p.m. EDT on September 18, the center of Lee's remnants were located approximately 1,265 miles west of the Cabo Verde Islands and moving toward the northwest at near 9 mph. This general motion is expected to continue until dissipation occurs. This will be the final report on Lee.



## Hurricane Jose

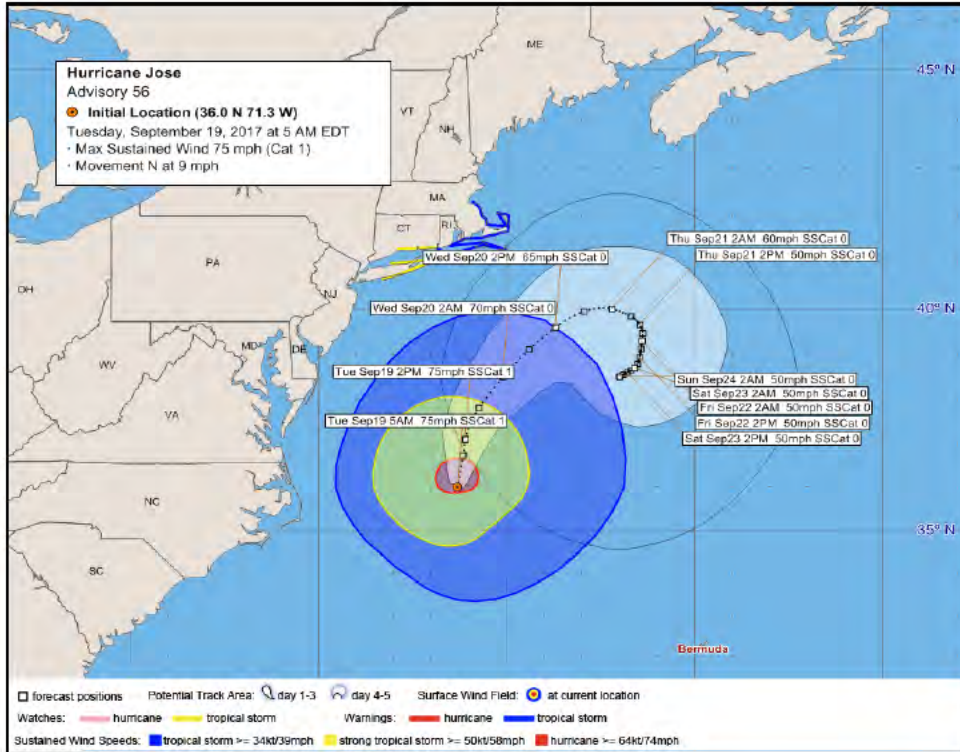
At 5:00 a.m. EDT, the center of Hurricane Jose was located approximately 240 miles east-northeast of Cape Hatteras, North Carolina, and moving toward the north at near 9 mph. This general motion is expected to continue through today, with a turn to the northeast anticipated tonight. Maximum sustained winds are near 75 mph, with higher gusts. Little change in strength is expected today, but Jose should begin to gradually weaken on Wednesday. Dangerous surf and rip currents are expected along the eastern coast of the U.S.

A Tropical Storm Warning is in effect from Watch Hill, Rhode Island to Hull, Massachusetts, Block Island, Martha's Vineyard, and Nantucket. A Tropical Storm Watch is in effect along portions of Long Island, New York and from New Haven, Connecticut to Watch Hill, Rhode Island. Tropical storm conditions are expected to begin in the warning area early Wednesday, and tropical storm conditions are possible in the watch area beginning tonight. Jose is expected to produce total rain accumulations of 1 to 3 inches over eastern Long Island, southeastern Connecticut, southern Rhode Island, and southeastern Massachusetts. Rainfall amounts of 3 to 5 inches are expected for Martha's Vineyard, Nantucket, and Cape Cod through Wednesday. This rainfall could cause isolated flooding. Jose is also expected to produce total rain accumulations of less than inch along the northern mid-Atlantic coast and from southeastern New York to coastal Maine through Wednesday.

### United States Geological Survey Hurricane Jose Update

*Source: United States Geological Survey (USGS) – September 18, 2017*

No offices are expected to close due to Hurricane Jose. Information from deployed sensors is available on the [USGS Flood Event viewer](#). The New England Water Science Center (NEWSC) had 10 personnel in the field yesterday deploying 23 temporary sensors in Connecticut, Rhode Island, and Massachusetts. The Coastal and Marine Science Center will also provide [total water level forecasts](#) from Hurricane Jose at select locations from North Carolina to Maine.

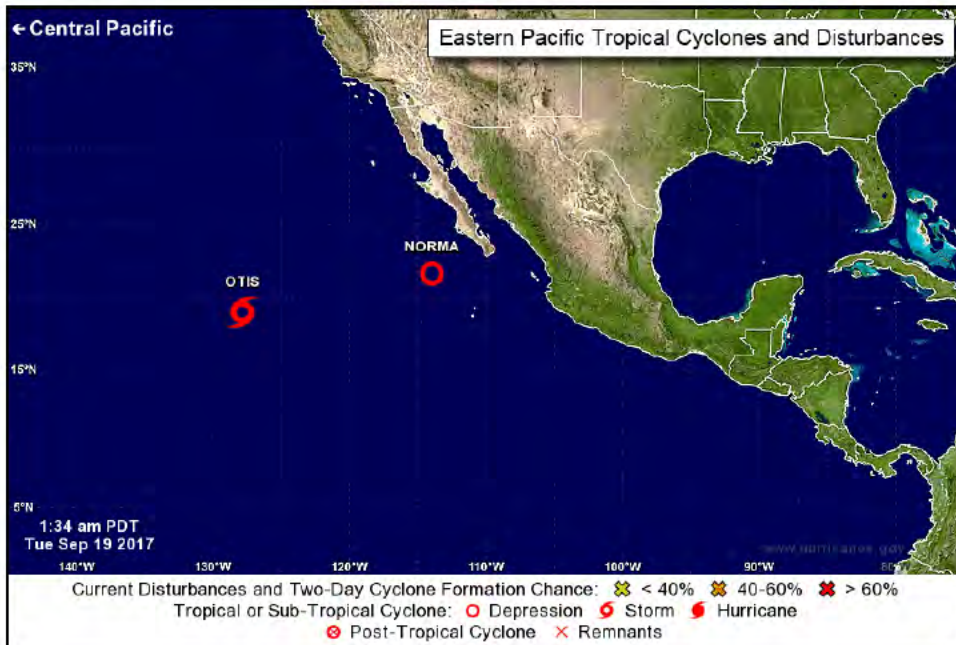


HURREVAC image

### Hurricane Maria:

Hurricane Maria is summarized in the beginning of this report.

### Eastern Pacific Ocean



## Tropical Depression Norma



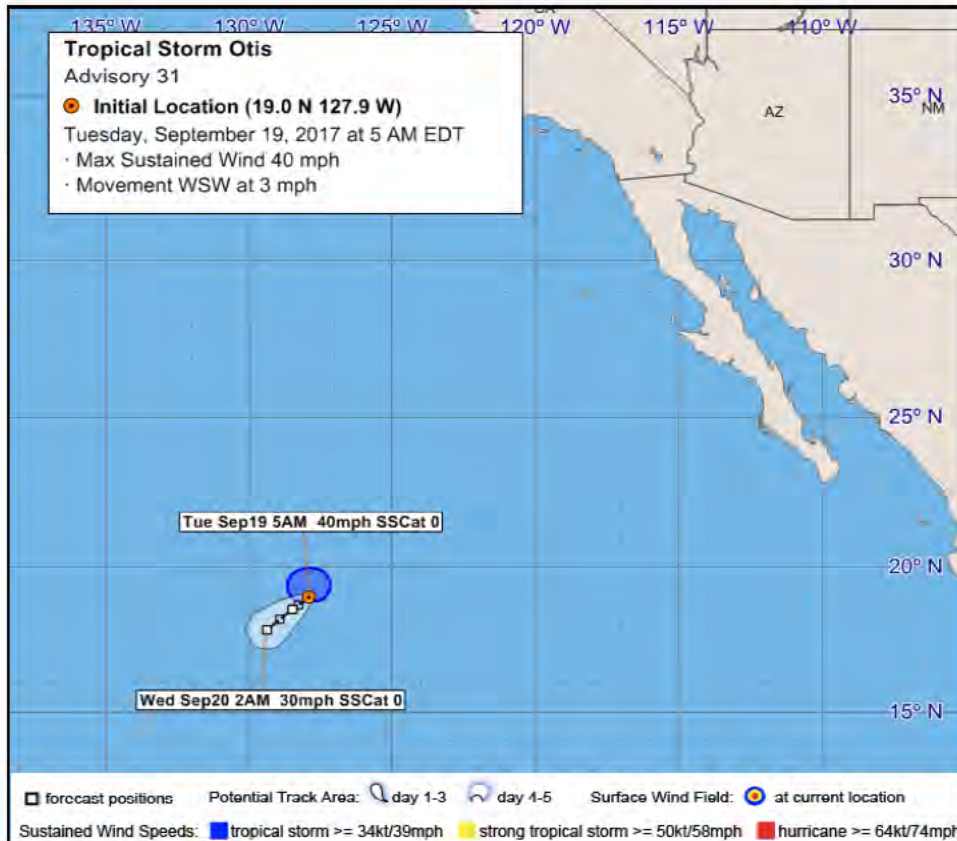
*HURREVAC image*

At 5:00 a.m. EDT, the center of Tropical Storm Norma was located approximately 270 miles west-southwest of Cabo San Lucas, Mexico. Norma is moving toward the west at near 6 mph, and this general motion is expected to continue today with a gradual turn to the northwest thereafter. Maximum sustained winds are near 35 mph, with higher gusts. Further weakening is forecast, and Norma is expected to degenerate into a remnant low on Wednesday. There are no coastal watches or warnings in effect at this time.

## Tropical Storm Otis

At 5:00 a.m. EDT, the center of Tropical Storm Otis was located approximately 1,190 miles west of the southern tip of Baja, California, and moving west-southwest at 3 mph. A turn toward the southwest is anticipated by early Wednesday. Maximum sustained winds are near 40 mph, with higher gusts, and Otis is likely to dissipate within 36 hours. There are no coastal watches or warnings in effect.





HURREVAC image

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, September 20, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Interior Operations Center (IOC) Change of Activation Level

The IOC raised the Activation posture to Level 2 (Severe Operations) at 8:00 a.m. today, September 20, in response to the potential catastrophic impacts of Hurricane Maria and the expected response. The IOC will continue to produce the Emergency Management Daily Situation Report at 08:00 a.m. EDT Monday through Friday. Additionally, an incident specific Spot Report (SPOTREP) will be produced at 6:00 p.m. EDT, Monday through Friday. Over the weekend, the IOC will maintain the established reporting cycle, implementing an 8:00 a.m. SPOTREP and 6:00 p.m. EDT SPOTREP specific to Hurricane Maria activities.

## Hurricane Maria - Atlantic Ocean

### **General Situation**

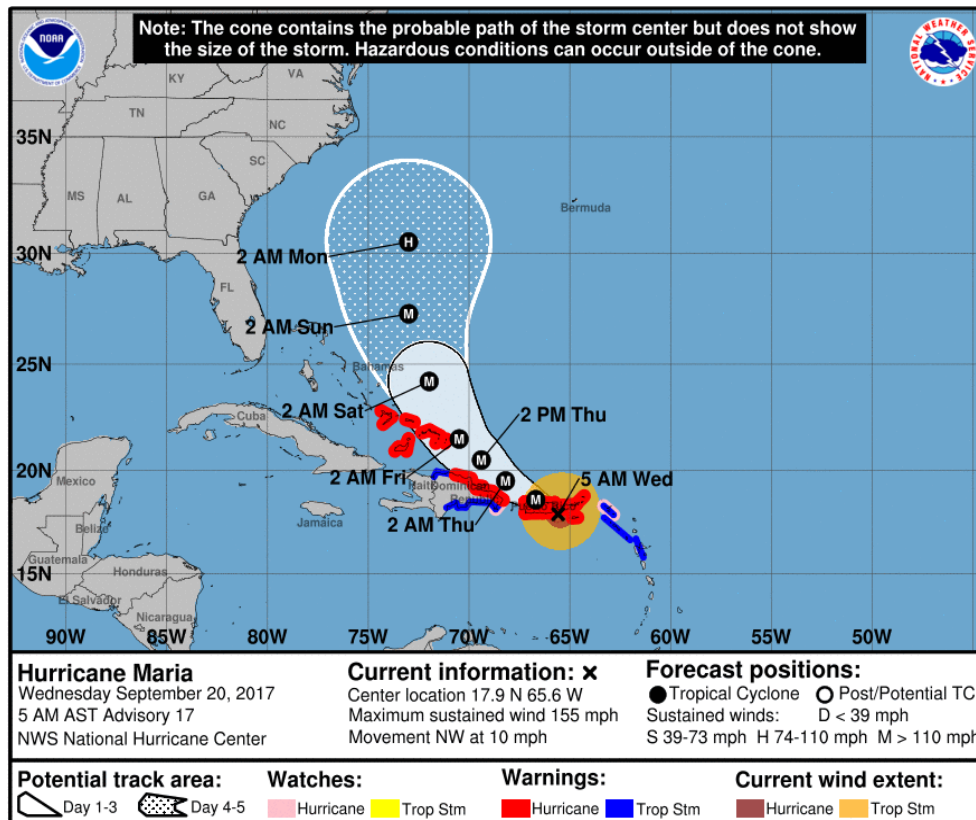
*Source: National Weather Service/National Hurricane Center – September 19, 2017*

At 6:35 a.m. EDT, the center of Hurricane Maria was located approximately 35 miles to the south-southeast of San Juan, Puerto, Rico and moving to the northwest at 10 miles per hour (mph). A west-northwest to northwest motion is expected to continue through today, followed by a northwestward motion on Thursday. The National Hurricane Center is reporting that Maria made landfall near Yabucoa, Puerto Rico this morning at 6:15 a.m. EDT. Maximum sustained winds are near 155 mph, with higher gusts. Maria is an extremely dangerous category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale and should maintain this intensity until

landfall. Slow weakening is expected after the hurricane emerges over the Atlantic, north of Puerto Rico and the Dominican Republic. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 150 miles.

A Hurricane Warning is in effect for the U.S. Virgin Islands, Puerto Rico, Culebra, Vieques, the British Virgin Islands, the Dominican Republic from Cabo Engano to Puerto Plata, the Turks and Caicos Islands, and the southeastern Bahamas. A Hurricane Watch is in effect for St. Maarten, St. Martin, St. Barthelemy, and the Dominican Republic from Isla Saona to Cabo Engano. A Tropical Storm Warning is in effect for Saba, St. Maarten, and portions of the Dominican Republic. Tropical storm and hurricane conditions are occurring over the Virgin Islands and will spread over Puerto Rico in the next few hours. A dangerous storm surge accompanied by large and destructive waves will raise water levels by as much as 6 to 9 feet above normal tide levels in portions of the Hurricane Warning area near Puerto Rico and the U.S. Virgin Islands.

Maria is expected to produce an additional 8 to 12 inches of rainfall in the U.S. and British Virgin Islands, with isolated amounts of 16 inches. Puerto Rico is forecast to receive 12 to 18 inches, with isolated amounts of 25 inches possible. This rainfall could cause life-threatening flash floods and mudslides. Several tornadoes are possible over Puerto Rico and the U.S. Virgin Islands today.



National Hurricane Center Image

**DOI Mission Assignments as of September 20, 2017:**

There is currently a total of 227 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria and Irma.

Total number of DOI Personnel Supporting Irma ESFs:					152
Total number of DOI Personnel Supporting Maria ESFs:					75
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	12	PR-17090102-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	USGS	Georgia Coast	\$135,000	0	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	0	9/7/2017 SC-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$527,500	27	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					
5	BIA	FL	\$15,000	1	9/13/2017

					MA: 3388EM-FL-DOI-01
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**Description:** BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017

**Personnel Description:** One BIA EM person supporting remotely prior to JFO establishment.

8	NPS	FL	N/A	3	N/A
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**Description:** Support patient movement, well water sampling, and HHS Operations Center

11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					PR-17090102-DOI-01

**Description:** Support ESF #11 position activation at the NRCC.

13	OLES	Seminole Tribe	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
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**Description:** Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.

**Location Description:** DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.

**Personnel Description:**

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
 25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
 2 - BIA support personnel  
 2 - BIA radio techs

13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	15	MA#3385EM-FL-USDJ-01
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**Description: Provide Law Enforcement Support for ESF-8 and ESF-9.**

**Location Description: DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ES13 staging.**

**Personnel Description: 169 personnel**

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER  
 9 - NPS  
 6 - FWS Refuge

Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017
					MA: 4377DR-FL-DOI-03

**Description: US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team**

**Personnel Description: 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 9 personnel have been identified and planning to deploy early next week.**

13	Office of Law Enforcement & Security	PR	still on Irma MA	75	UNKNOWN, still on Irma MA but discussions happening for new
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**Description: Provide Law Enforcement Support for ESF-8 and ESF-9.**

**Location Description: DOI MARIA QRTs 1 and 2 are on the ground in Puerto Rico, sheltering at their hotel. QRT 3 will be in Orlando NLT 1200, Sept 20, awaiting further deployment.**

DOI MARIA QRT 1, SEPTEMBER 18  
25 - BLM

DOI MARIA QRT 2, SEPTEMBER 18

FWS Refuge - 13

BLM - 5

NPS - 4

OIG - 2

OLES - 1

Note: one QRT 2 team member demob due to death in his family. Not sure which team member.

DOI MARIA QRT 3, SEPTEMBER 19

1-OIG

3-OLES

2-NPS

7-USPP

13-BLM

All QRT 3 team members will be on the ground in Orlando NLT 12:00 noon on September 20. Team Leaders will meet with ESF-13 staff this morning to discuss logistics, forward deployment, and deputation.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** Mission Assignment (MA) 3385EM-FL-USGS-01 has been amended for the USGS to perform high water mark (HWM) flagging and surveying in the Florida Keys. Yesterday, there were 12 personnel in the field retrieving storm surge sensors and processing data under this MA. A total of 119 surge sensors have been retrieved, 6 sensors have been lost, and 32 sensors have been processed for data. Fifty-four HWMs have been flagged, and 45 HWMs have been surveyed.

#### **ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** The ESF #9 primary agencies activated the Federal Search and Rescue Coordination Group (FSARCG) for Hurricane Maria. Initial operations will be conducted out of FEMA Headquarters in Washington D.C. and likely transition to the Caribbean after Maria makes landfall. The National Park Service (NPS) is working to source a person to support this position.

### **ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** ESF #11 began collecting information on cultural resources and likely impacts on St. Croix. Many of the island's historical societies, libraries, and private/non-profit museums contain primary and secondary source materials and maps associated with the Danish shipping history of the area. While many of the stone masonry buildings constructed during the plantation period are well equipped to weather the Hurricane, more modern construction is likely to be severely impacted. Numerous archaeological sites may also be impacted. In St. Croix, 40 buildings are on the National Register of Historic Places, with 2 National Historic Landmarks (NHLs). In St. Thomas, there are 23 buildings on the national register, with 3 NHLs. In St. John, 25 buildings are on the national register, with no NHLs.

In coordination with the NPS, ESF #11 communicated with the Tribal Historic Preservation Officer for the Seminole Tribe of Florida. Some damage has been reported to their modular roof and the Museum Boardwalk, but the main collections came through unscathed. Information was shared with Bureau of Indian Affairs (BIA) Emergency Management, the Heritage Emergency National Task Force, and the National Association of Tribal Historic Preservation Officers.

A Mission Assignment was received to activate the Natural and Cultural Resources Recovery Support Function for Florida. A Field Coordinator has been identified and will be deployed by September 22.

### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 1 and 2 deployed for Puerto Rico yesterday. They are sheltering at the La Concha Marriott until the storm passes. The primary role will be to provide force protection to the ESF #8 and ESF #9 missions. An additional team, DOI Maria QRT 3, has been assembled and has received deployment orders. The team is expected to arrive in Orlando by noon today.

A request has been made to preemptively roster additional personnel for Maria for FEMA Region 4 response in the southeastern U.S. ESF #13 is working on the sales order with the Department of Justice (DOJ) for Irma and then will be able to establish Interagency Agreements (IAAs) with the bureaus, for both the Florida response and the Seminole response.





*DOI LEOs from the BLM, USFWS-Refuge, NPS, OIG, and OLES prepare to board a C-130 bound for San Juan ahead of Hurricane Maria. September 19, 2017*

## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria Update**

*Source: National Park Service – September 19, 2017*

All NPS Park units in the Caribbean are closed, and all NPS personnel have been accounted for. Staff remaining in the Caribbean are sheltered and waiting for the storm to pass. There are approximately five days worth of supplies available in shelters to support the sheltered staff. The following NPS updates have been provided:

- *Christiansted National Historic Site:* The park is closed, and all employees are accounted for. The park is encouraging employees at private homes to relocate to the government housing complex to shelter. The Governor enacted a curfew yesterday which will last until September 21 at a minimum. Initial estimates communicated on the island indicate that post-storm power outages could last 2 to 6 weeks. The park is working to keep communications using VHF radio. No resources are currently needed, but resources will most likely be needed post-Maria.
- *Virgin Islands National Park:* The park is closed, and all personnel are currently accounted for.
- *San Juan National Historic Site:* The park is closed, and all employees are accounted for. The park has offered shelter for those employees that need it, and there is a satellite phone at the Incident Command Post (ICP). Cell phones were working as of last night. VHF handhells are available and have been offered for Saint Croix communications.

Last night, the park was finalizing last-minute preparations and concentrating on relocating employees. Additional staff arrived on September 18 and supplemented the Incident Management Team (IMT) structure to support the Caribbean parks. The park is also working with the interagency humanitarian effort.

### **Fish & Wildlife Service - Maria Update**

Source: Fish & Wildlife Service (FWS) - September 19, 2017

All FWS Caribbean stations were conducting preparation activities yesterday in anticipation for Hurricane Maria landfall. The FWS is working with the U.S. Forest Service (USFS) to ascertain if the USFS IMTs scheduled to go to Puerto Rico in response to Maria can support FWS operations if supplemented with FWS personnel.

As of Tuesday, September 19, the FWS personnel accountability for Puerto and the U.S. Virgin Islands is as follows:

- *U.S. Virgin Islands (total 3 personnel):* As of 2:40 p.m. EDT yesterday, the FWS reported that 3 personnel remained on the U.S. Virgin Islands.
- *Puerto Rico (total 36 personnel):* Twenty-two employees are located in Cabo Rojo; three employees are located in San Juan as part of the U.S. Forest Service IMT; two employees are located at the Puerto Rican Parrot Aviary/Iguaca Aviary at the El Yunque National Forest; one employee is located in Maricao; and two employees are located at the Guaynabo airport. Six employees are located on the islands off the eastern coast of Puerto Rico. Five employees are on Vieques, and one employee is on Culebra. Initially these employees were supposed to take a ferry off the islands, but ferry service has been shut down.

### **United States Geological Survey - Maria Update**

Source: United States Geological Survey (USGS) – September 19, 2017

The USGS reports that there are 31 personnel on Puerto Rico, and all the personnel are currently accounted for and sheltering in place. The one USGS employee on St. Croix has evacuated to Miami, Florida on September 19. There are no USGS personnel on St. Thomas or St. John at this time. The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. On September 19, the USGS reported 12 temporary sensors have been deployed on the southern and eastern coasts of Puerto Rico.

A new [Event Support Mapper](#) for Maria has been developed by the USGS Geospatial Information Response Team (GIRT). Additionally, the USGS is facilitating a second activation of the International Charter for island nations in the Caribbean and for Puerto Rico. Cataloging and distribution of imagery products are available on the [Hazards Data Distribution System \(HDDS\) Explorer](#).

## **Irma Recovery and Response Efforts**

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Irma Update**

Source: National Park Service – September 19, 2017

The NPS Eastern Incident Management Team (EIMT) is supporting operations in both Florida and Puerto Rico, and regular updates are being published by the team. The NPS has 10 personnel who have volunteered for the Department of Homeland Security (DHS) Surge Capacity Force and are scheduled to depart to support this assignment on or about September 21. The following park updates were provided by NPS:

- *Big Cypress (BICY)*: The park remains closed, and all employees are accounted for. Employees are scheduled to return on September 25. A boil advisory is in effect, and utilities remain out in part of county. There is a 9:00 p.m. EDT curfew in effect. Some park housing has been destroyed and condemned, and the park is working on relocating. An employee was injured on September 17 due to a fall from a ladder while conducting a damage assessment. A safety stand down occurred due to this injury.
- *Biscayne (BISC)*: The park remains closed and all employees are accounted for. The park may attempt to reopen some island facilities as early as this weekend. The park is posting a notice to mariners with the U.S. Coast Guard (USCG) due to floating debris creating hazards. Resource Advisors are assessing the park, and law enforcement assets are conducting patrols. The Elliott Key water treatment facility remains without power and is waiting for a status update. Repeaters are being worked on as well as network equipment. There have been a number of support items requested that are being sourced through the IMT.
- *Everglades (EVER)*: The park is closed, and all employees are accounted for. Employees have returned to work to continue clean-up. Gulf Coast, Flamingo, and Key Largo are conducting boat operations to assess marine waters. The Gulf Coast Visitor's Center has been assessed, and it appears that the building will need to be condemned. Staff will begin process of ordering modular and storage units. The Visitor's Center will be fenced off for safety. Shark Valley and Pine Island will continue cutting and clearing. Pine Island has power. The Research Branch is assisting Logistics with distributing supplies and with Cultural/Resource Assessments. Air Operations is assessing Florida Bay and the Northeast District. Building assessments and stabilization are taking place via the IMT. The NPS will attempt to open the park in phases; however, there is no projected date for any openings. Marine waters are open, with notice to mariners, and the Air Boat Concessions will start operating as trails are assessed.
- *Dry Tortugas (DRTO)*: The park is closed, and all employees are accounted for. Employees have returned to the park and are cleaning up. Saw crews have arrived and were working yesterday. Fuel for approximately 5-6 operational periods has also arrived.

One small NPS vessel at Key West was damaged during the storm. A resource order was placed for a Communications Tech to support this event.

- *De Soto (DESO)*: The park is closed, and all employees are accounted for. It is anticipated that the park will be reopening by the weekend. A crew from Canaveral arrived late Monday and was performing work yesterday. The Public Information Officer (PIO) with the EIMT stopped by on Monday and was given a tour of the park and damage incurred. Both dumpsters have arrived. On September 19, a very disgruntled visitor was verbally attacking staff members, and the Manatee County Sheriff's Department is now providing a presence at the park.
- *Canaveral (CANVA)*: The park is closed, and all employees are accounted for. The Southeast Archeological Center (SEAC) is on site and conducting assessments. There have been no additional requests at this time.
- *Castillo de San Marcos (CASA)*: The park has been open to the public since Saturday, but without public restrooms.
- *Fort Matanzas (FOMA)*: The park remains closed, and has not reopened due to pending tree work. When the tree work is completed, the park will open on a limited basis involving the mainland only until dock and boardwalk repairs take place. Mainland opening is expected by Friday. The park Incident Command Team (ICT) has stepped down as most operations have returned to normal and only a few will remain engaged in the incident.
- *Fort Caroline (FOCA)*: The park is open, and employees are reporting per their normal work schedule. The Park Visitor's Center and Headquarters have power, phones, and internet. Staff and volunteer cleanup crews have cleared the Visitor's Center area and trails. The Cedar Point boat launch is open to public; however, the Cedar Point trail system will remain closed until downfall is cleared. The Kingsley Plantation District will remain closed with cleanup efforts shifting to the Main House and Lodge/Visitor's Center grounds. Power and phones were restored to the Kingsley Plantation on Monday morning, and cleanup is ongoing. Pending the progress of cleanup efforts, the Kingsley Plantation may open this week.
- *Southern Florida Caribbean Network (SFCN)*: The Florida is office open, and no resources are needed. All employees are accounted for.
- *Fort Pulaski (FOPU)*: The park is closed, and all personnel are accounted for. All employees affected by Irma have returned to work except one whose home was more heavily damaged. A delivery of water and gas arrived on Monday, and a team assessed the damage to the fort yesterday morning. A Critical Incident Stress Management (CISM) team is onsite and provided a brief at the morning all-employees meeting. Safety is continuing to be stressed. The park has been able to clear the north pier trail of trees and debris. Some trees on the dike system trail remain and were being cleared yesterday. Well testing for the West End is pending, and the park is still treating the water as non-

potable. As far as reopening, the park is waiting for the assessment team report on the fort and taking care of the water issues. An estimated reopening date will be provided today.

- *Cumberland Island (CUIS)*: The park is closed, but all staff have reported back on normal schedule. There is no estimate for reopening at this time. Closed signs have been installed on the island and on the docks to ward off uninvited visitation. The park is waiting to inventory damage to warehouse items until after roof repairs are complete. A fuel tank has been brought to the mainland to fuel boats. Conversation is continuing for the possibility of dock usage with city of St Mary's for visitor access. The park is continuing to work with the city and the U.S. Coast Guard to clean up the waterfront. Saw crews and an Archeological Assessment team are expected to arrive today. Two Student Conservation Association (SCA) turtle techs returned to island housing, and it is estimated that 100 or more turtle nests were impacted by Irma.
- *Ft. Frederica (FOFR)*: The park is closed. All employees are accounted for and working regular shifts. It is likely that the park will be opening by the end of the week. A back road was cleared from the bone yard to the archeology education area, and power is on everywhere in the park. A curatorial building was cleared of a tree, and teams are finishing up cutting and chipping trees. Two government vehicles were lost to tree damage. Bloody Marsh debris clean-up continues, and SCAs were invited back to park housing.
- *Fort Sumter (FOSU)*: Fort Sumter itself remains closed, all other sites are open. The park is awaiting a dock assessment, and repair work continues. Priorities are to get electric restored to the dock, repair damaged dock railings, and repair the septic at the fort. There is much cleaning of mud and debris to be done. A CISM team is expected to be onsite today.

### **Fish & Wildlife Service - Irma Update**

*Source: Fish & Wildlife Service - September 19, 2017*

The FWS Southeast Incident Management Team continues to conduct initial stabilization efforts for the stations impacted by Hurricane Irma in Florida. This includes debris removal, mold mitigation techniques, and delivering and setting-up generators. FWS representatives are meeting with Monroe County and Florida Forest Service personnel to enact a burn-ban, due the extreme vulnerable wildland fire conditions.

### **Bureau of Indian Affairs Hurricane - Irma Update**

*Source: Hurricane Tribal Assistance Coordination Group Conference Call – September 19, 2017*

The Seminole Tribe Emergency Operations Center (EOC) remains at full activation. The Tribe is procuring generators for special medical needs patients in order to continue running daily life sustaining equipment. Tentative downsizing of Points of Distribution (POD) locations may occur in the next few days; however, Big Cypress and Immokalee Reservation PODs remain

open and are distributing supplies. The Hollywood Reservation POD station is open and distributing ice and other sundries. Two shelters are open with 10 people in residence, and the shelters are also being used as cooling and feeding stations for the community.

Power remains out on the Big Cypress and Immokalee Reservations, and Century link is working on Big Cypress Reservation police department consoles to bring emergency services back online. The power company estimates that Big Cypress power could be out for up to 4 weeks. The power company is currently replacing poles and lines going into reservation. Broward County reports that there is a sufficient amount of fuel in the county for residents on Hollywood Reservation and parts of Big Cypress Reservation. There are four debris sites in Hollywood, Big Cypress, and Brighton. Public works reported some road damage, sign damage, and elevated water in some locations. The road damage is preventing crews from making assessments in some locations. The Miccosukee Tribe of Indians of Florida is not reporting any needs at this time.

### **United States Geological Survey (USGS) - Irma Update**

*Source: United States Geological Survey – September 19, 2017*

All USGS personnel have been accounted for, and there have been no requests for assistance. The USGS reports that 45 gages have been repaired to date. In Florida, 10 personnel were in the field repairing gages and taking discharge measurements. To date, 162 discharge measurements have been performed in response to Irma.

### **Other Federal and State Government Reporting**

#### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 20, 2017*

FEMA Headquarters:

- National Response Coordination Center (NRCC): Level I (day shift), Level II (night shift); will go to Level I (night shift) at 8:00 p.m. EDT, September 20
- National Watch Center: Steady State
- National Incident Management Assistance Teams (IMATs): East-1 (Florida EOC); East-2 (Puerto Rico Caribbean Area Division)
- Red Incident Support Team at Puerto Rico

Region Response:

- Region I Regional Response Coordination Center (RRCC) at Level II (day shift only)
- Region II RRCC at Level II (24/7); will deactivate and turn over incident support responsibility to the NRCC at 8:00 a.m., September 20
- Region IV RRCC at Level II (24/7); Liaison Officers (LNOs) to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to the U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1, and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

State/Territory/Local Response:

- Florida, U.S. Virgin Islands, and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Mississippi EOC at Partial Activation
- Tennessee and Georgia EOCs at Monitoring

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 19, 2017:**

There are currently a total of 56 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed = 56					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description: Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.</b>					
<b>Personnel Description: 30 Total - 7 NPS; 1 BIA; 21FWS; 1 BLM</b>					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	22	8/26/2017
					4332DR-TX-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 22 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09

**Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)**

NCR RSF	OEPD	Austin, TX	\$56,910	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
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**Description: Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies**

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 22 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,250 locations have had HWMs flagged, with over 513 locations surveyed.

**ESF #11 (Agriculture and Natural Resources)**

- ESF #11 (OPEC): A Field Coordinator has been deployed to the Austin Joint Field Office (JFO) to coordinate the Natural and Cultural Resources Recovery Support Function. The Field Coordinator is working with bureau subject matter experts (SMEs) in the region and supporting agencies to draft a Mission Scoping Assessment which is due on September 23.

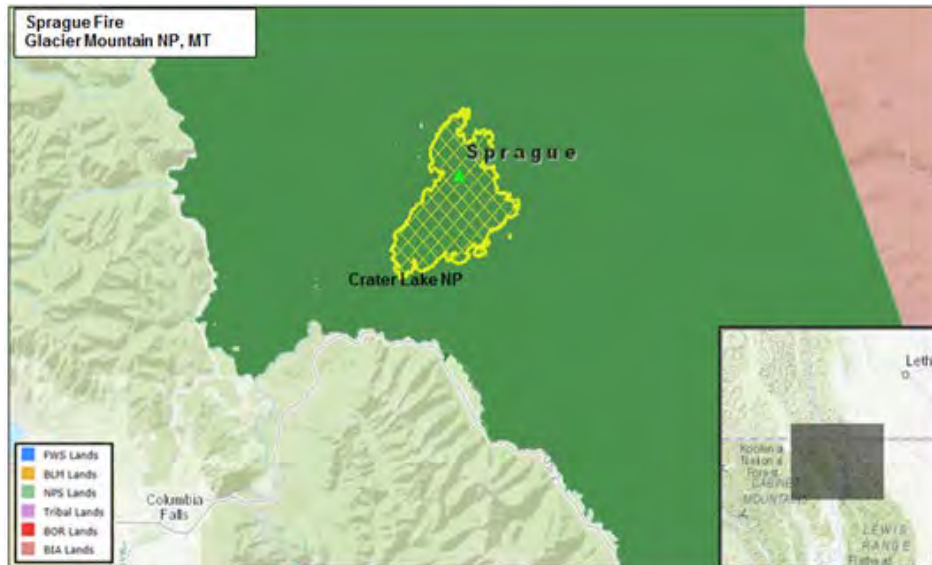


## Wildland Fire Activity

Source: Fire and Aviation Management Website - September 20, 2017

### Montana

#### Sprague Fire



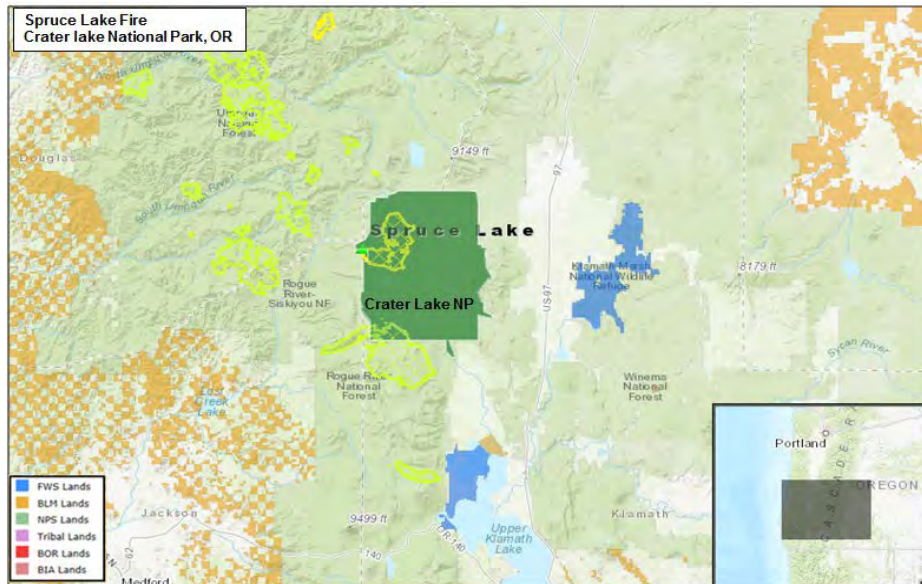
IGEMS Image

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (+15-percent)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 176 (+5) / 60 (-3)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (+14) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as moderate during this reporting period with creeping and smoldering. The fire poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. Opportunities for wetting rain will accompany a front today. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

## Oregon

### Spruce Lake Fire (Final Report)

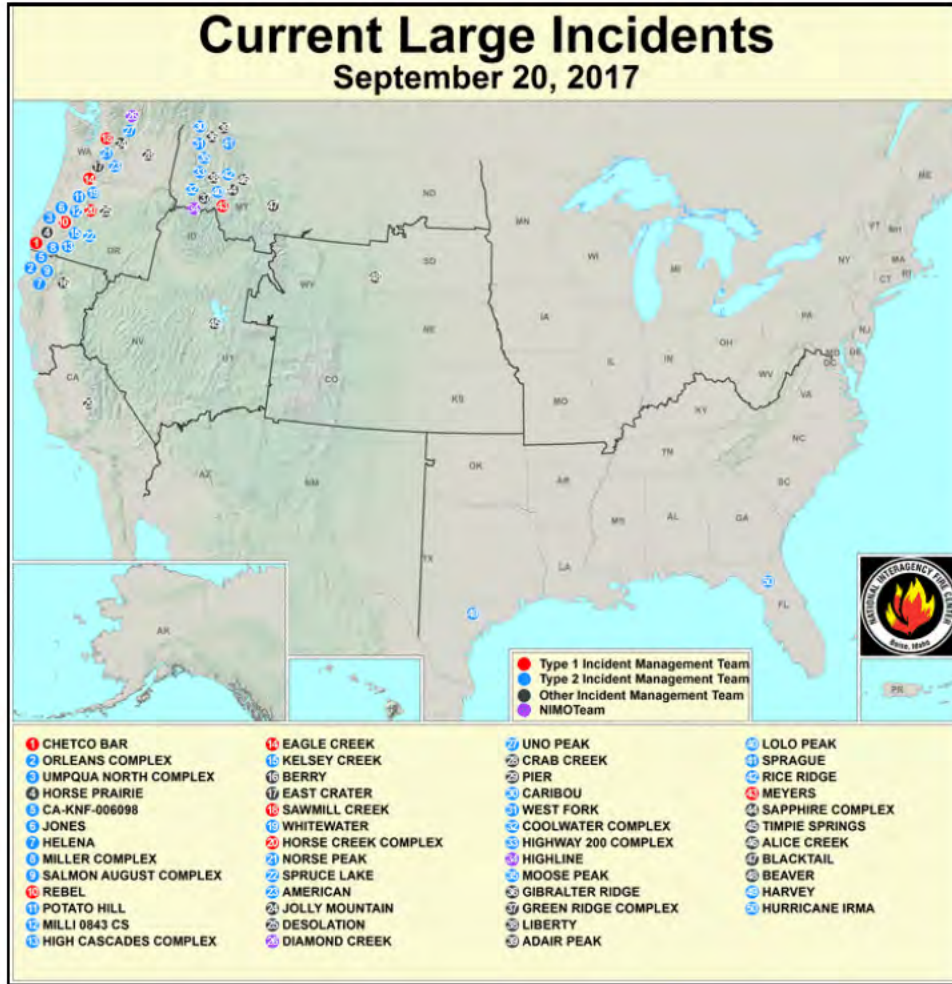


*IGEMS Image*

- Start Date: July 29
- Location: Crater Lake National Park, OR (NPS)
- Burned Acres: 15,826 (no change)
- Containment: 22-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 2 (no change) / 1 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 0 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 1 (no change) / 0 (no change)
- Containment Date: October 15

Comments: Fire behavior was described as minimal and should remain minimal with significant moisture forecast to continue in the area. Crater Lake National Park reports that the North Entrance is closed until further notice due to the fire activity. Several trails within Crater Lake National Park are closed, including the Pacific Crest Trail. The Northern Spotted Owl habitat, sensitive aquatic species, Forest Service timber sale groves, and other sensitive plant and animal species are threatened by the fire. Additional individual Incident Status Summaries (ICS-209) for the Spruce Lake Fire will not be generated. Future reporting for this fire will be included in the High Cascades Complex ICS-209, which is being managed by the U.S. Forest Service.

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 20, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (65 new fires)
New large fires:	4
Large fires contained:	4
Uncontained large fires: **	25
Area Command Teams committed:	1
NIMOs committed:	3
Type 1 IMTs committed:	6
Type 2 IMTs committed:	22

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, and slightly elevated surface temperatures were observed in two satellite images of Bogoslof Island over the past reporting period. No activity was detected in seismic or infrasound data from neighboring islands. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing significant was observed in satellite, seismic, or infrasound data during this reporting period. Some minor steaming at the summit was visible in web camera views.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

### **Agung Volcano, Indonesia Situation Report**

*Source: United States Geological Survey - Volcano Disaster Assistance Program (VDAP) – September 19, 2017*

In response to rapidly increasing volcanic seismicity on September 18, the Indonesian Center for Volcanology and Geological Hazard Mitigation (CVGHM) raised the alert level for Agung Volcano to Level 3 on a scale of 1 to 4. The CVGHM dispatched rapid response teams to the area and extended the exclusion zone around the volcano in the southeastern and southwestern sectors. At the request of CVGHM, the Volcano Disaster Assistance Program (VDAP) has also activated an emergency crisis response team to assist, and the team currently has four staff members in Indonesia. In October, VDAP is planning to send a second team to overlap with the current VDAP response team to continue the assistance currently underway. The second team

will also provide equipment and technical assistance to improve the volcano monitoring networks at Agung.

### **Earthquake Activity**

*Source: U.S. Geological Survey - September 19, 2017*

The USGS reported that a magnitude 7.1 earthquake occurred on September 19 at 2:14 p.m. EDT, approximately 2.5 miles to the east-northeast of Raboso, Mexico at the depth of 31.7 miles. The USGS issued an Orange PAGER Alert for shaking-related fatalities and a Red PAGER Alert for economic losses, indicating the disaster is potentially widespread. There is a high likelihood of casualties and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 6.1 earthquake occurred on September 19 at 9:43 p.m. EDT, approximately 371 miles to the southwest of Bluff, New Zealand at the depth of 6.2 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

### **Significant National Weather**

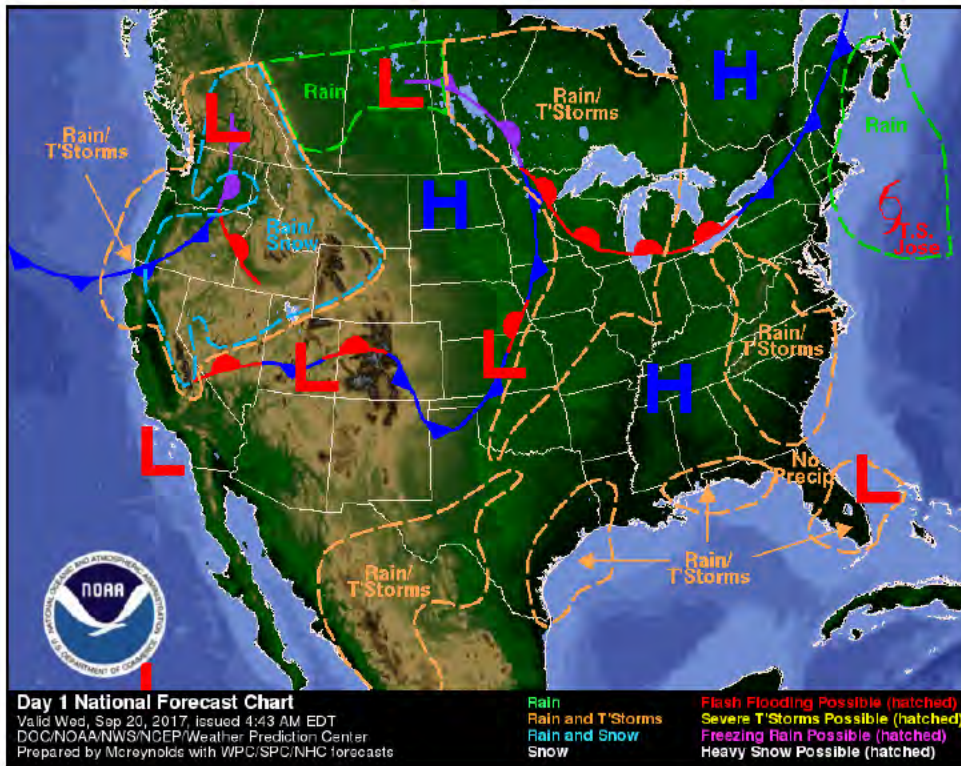
*Source: National Weather Service - September 20, 2017*

#### **Today**

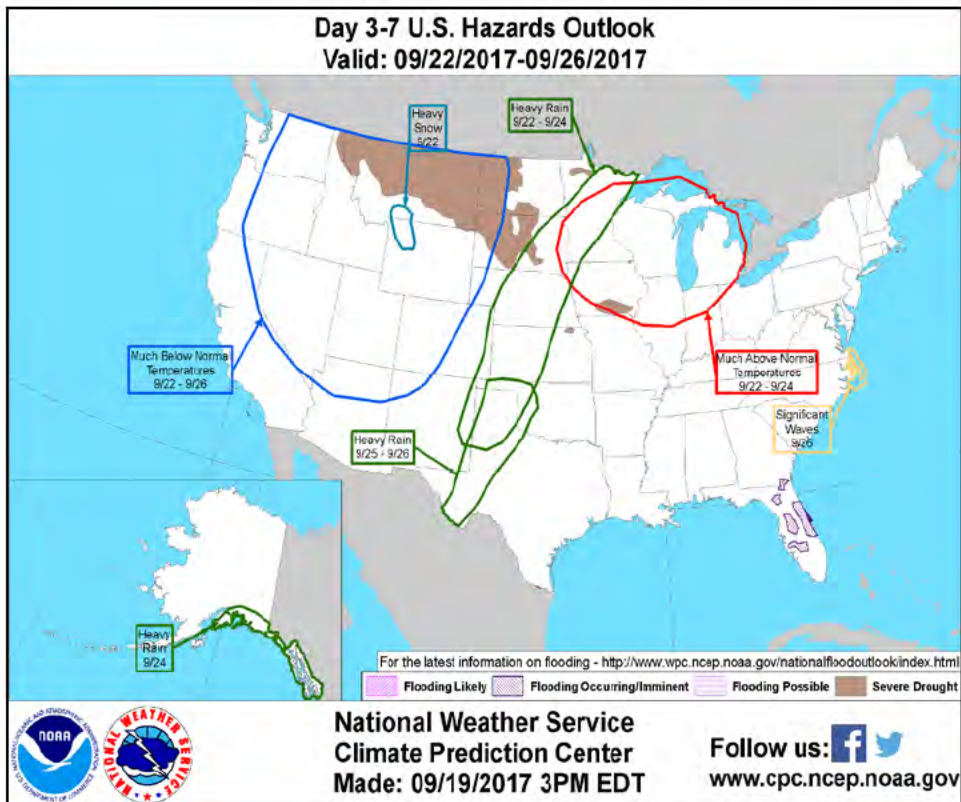
Rain and thunderstorms are expected from the upper Ohio Valley to the Southeast. More showers and thunderstorms are forecast for southern Florida and parts of the Gulf Coast. Rain and thunderstorms will stretch from the upper Midwest and the Great Lakes to Oklahoma. A few strong storms are possible from northeastern Kansas to Michigan's upper peninsula this afternoon and evening. More scattered showers and thunderstorms will extend from Mexico into central Texas. Lower elevation showers and thunderstorms are possible across the Northwest, the northern Rockies, portions of the Great Basin, northern California, and the Sierras. Over this same basic region, higher elevation rain and snow will occur.

#### **Tomorrow**

Tropical Storm Jose will continue to meander around several hundred miles east of Cape Cod tomorrow, and scattered rain showers will continue for the Cape Cod region. Scattered rain and thunderstorms will extend from Mexico into the southern Appalachians, the Southeast, and Florida. Rain and thunderstorms will develop over the Great Lakes, the Midwest, and the upper Midwest. A few hail-producing thunderstorms will be possible in portions of Minnesota, the eastern Dakotas, and far northwestern Wisconsin on Thursday night. Elsewhere, rain and snow will be widespread across the Northwest, the Great Basin, and the northern Rockies.

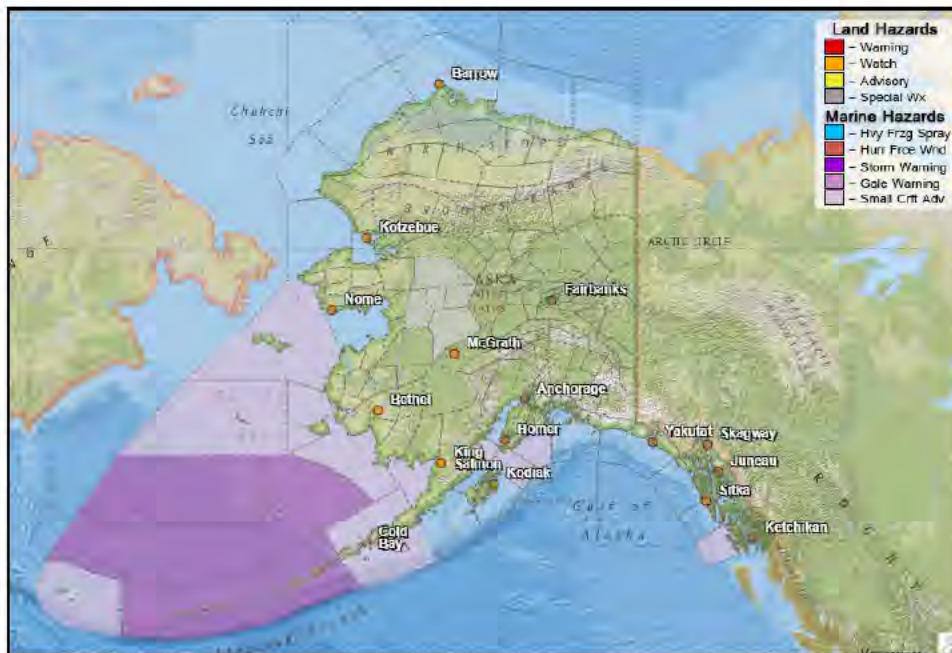


### Weather Hazard Assessment



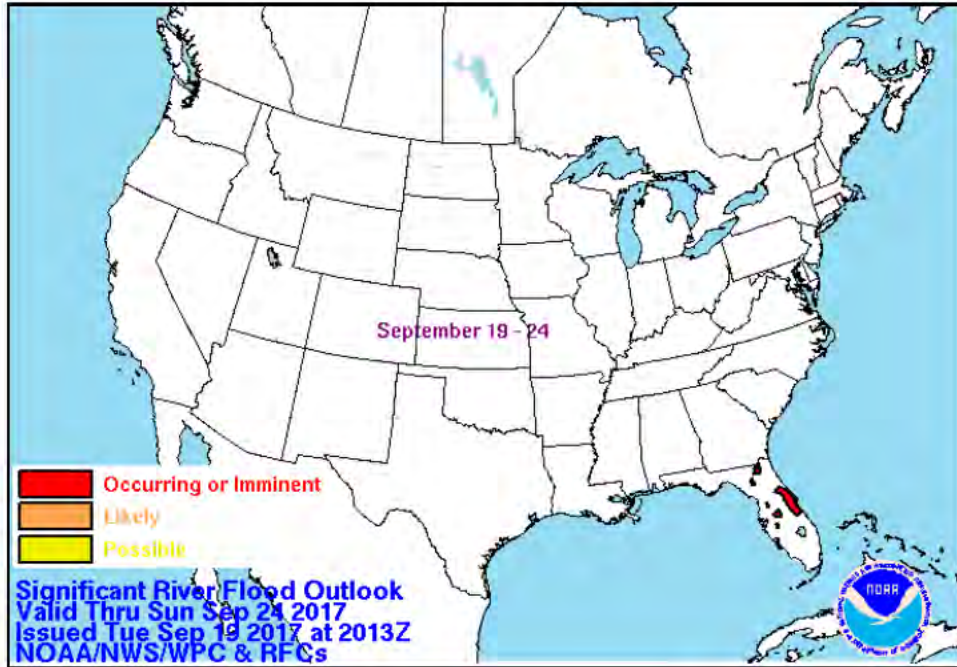
- September 20: Flooding is occurring or imminent across portions of the Southeast.
- September 20: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Corn Belt, Minnesota, the Rio Grande Valley, and Hawaii.
- September 22: Heavy snow across portions of Wyoming and Montana.
- September 22-24: Heavy rain across portions of the Great Plains and the upper Mississippi Valley.
- September 22-24: Much above normal temperatures across portions of the middle and upper Mississippi Valley and the Great Lakes.
- September 22-26: Much below normal temperatures moving across many parts of the western U.S.
- September 24: Heavy rain across portions of the Kenai Peninsula, southeastern mainland Alaska, and the Alaska Panhandle.
- September 25-26: Heavy rain across portions of the southern Plains.
- September 26: High significant wave heights for Cape Hatteras and the Outer Banks in North Carolina.

## Alaska Weather



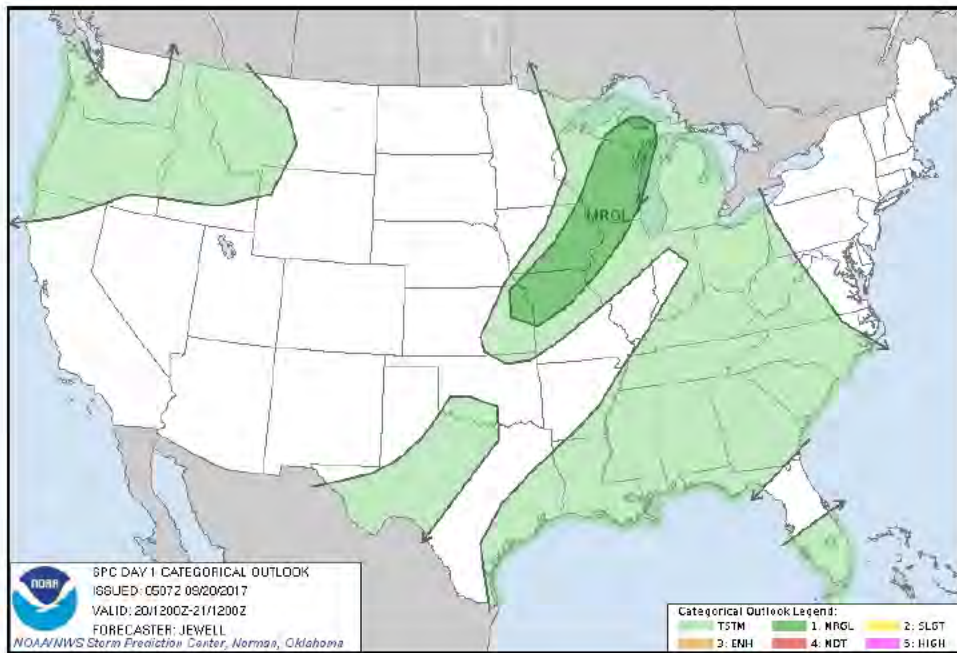
A Gale Warning is in effect for the southern Bering Sea and from Kiska to Cape Sarichef. There is a Small Craft Advisory in effect from Kiska to Attu, from Castle Cape to Cape Sarichef, the Bristol Bay, the Kamishak Bay, from the Barren Islands to Cape Cleare, Dixon Entrance, the Kuskokwim Delta, the Etolin Strait, St. Matthew Island, and St. Lawrence Island. A Special Weather Statement has been issued for high water along the Koyukuk River.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of Florida.

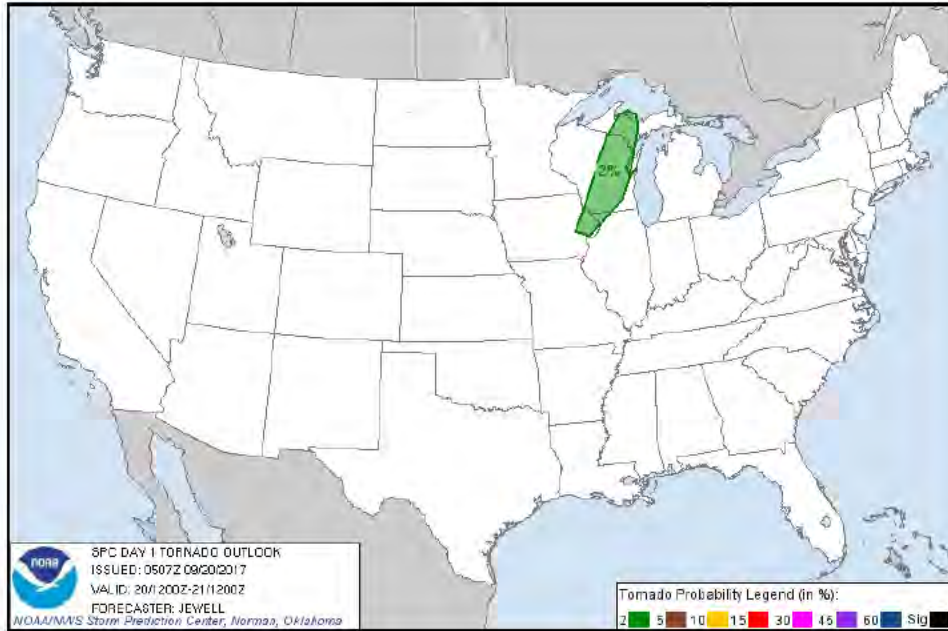
## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today from northeastern Kansas to Michigan's upper peninsula.

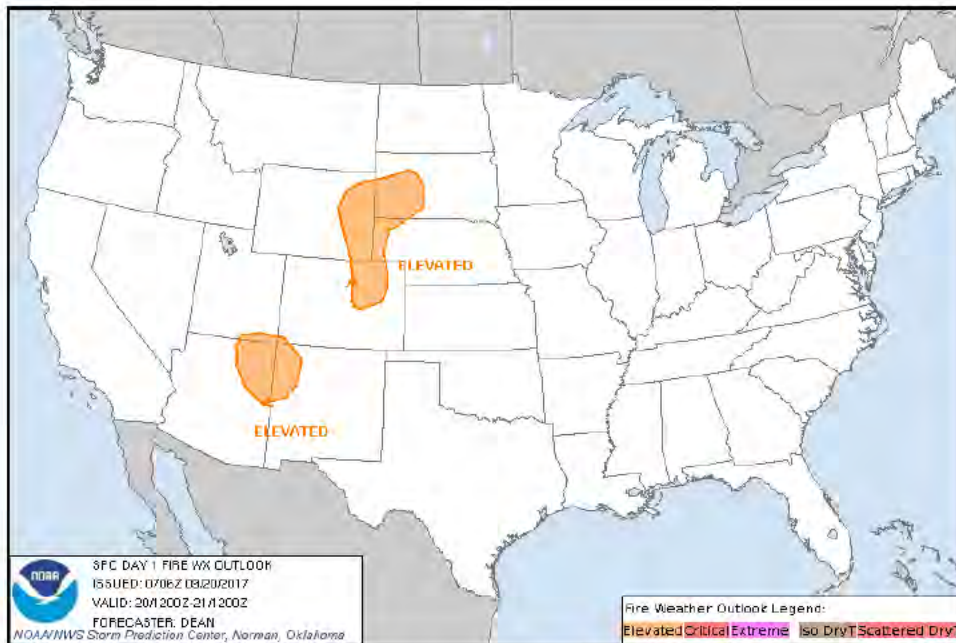


## Tornado Weather



There is a 2-percent chance of tornado activity today from east-central Iowa to Michigan's upper peninsula.

## Fire Weather



There is no Critical Fire Weather forecast for today throughout the U.S.; however, Elevated Fire Weather is forecast for parts of northeastern Arizona, northwestern New Mexico, southeastern

Utah, southwestern Colorado, northeastern Colorado, eastern Wyoming, western Nebraska, and western South Dakota.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 20, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



#### **Area 1**

Showers and thunderstorms continue near a low pressure area associated with the remnants of Lee located about 1,000 miles east of the Leeward Islands. While this system is producing gale-force winds, the associated thunderstorm activity has become less concentrated during the past few hours. Although the environmental conditions are marginal, only a small increase in the overall organization of the thunderstorms would result in the regeneration of Lee. This low is expected to move northward over the central Atlantic Ocean and has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **Tropical Storm Jose**

The National Hurricane Center (NHC) is reporting that Jose has been downgraded to a tropical storm. At 5:00 a.m. EDT, the center of Tropical Storm Jose was located approximately 195 miles south of Nantucket, Massachusetts and moving toward the northeast at near 8 mph. This general motion is expected to continue through today with a decrease in forward speed. On the forecast track, the center of Jose is expected to pass well to the east of the New Jersey coast today, and pass offshore of southeastern Massachusetts on Thursday. Maximum sustained winds are near 65 mph, with higher gusts, and gradual weakening is forecast for the next couple of days. A Tropical Storm Warning is in effect for Block Island (Rhode Island), Martha's Vineyard

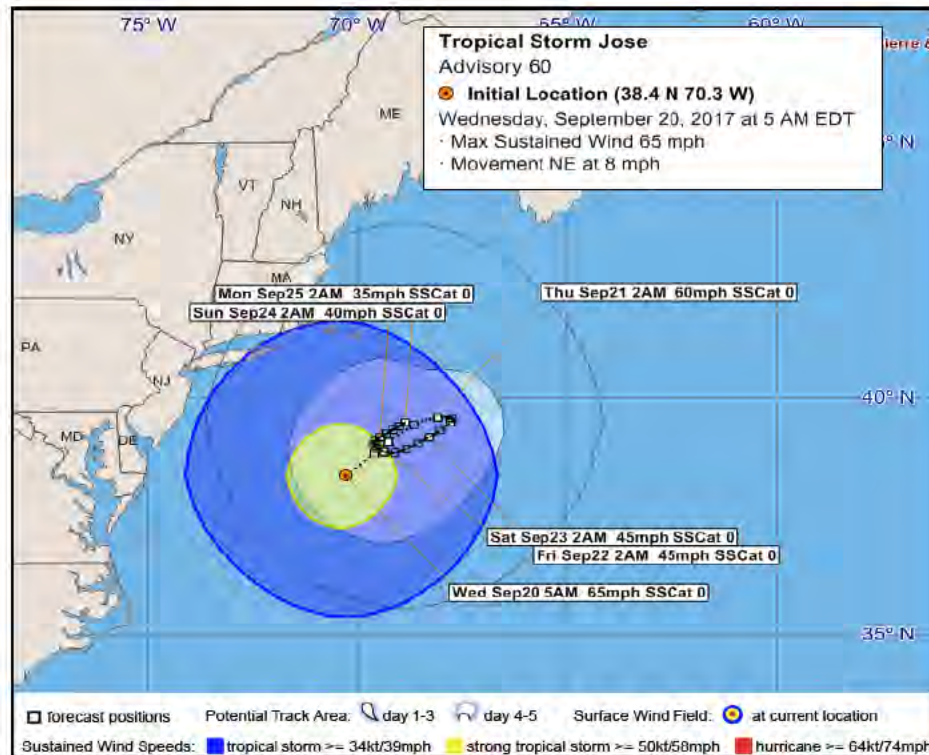
(Massachusetts), Nantucket (Massachusetts), and from Woods Hole to Sagamore Beach, including Cape Cod. Tropical storm conditions are expected to begin in the warning area later this morning.

Jose is expected to produce total rain accumulations of 1 to 2 inches in Martha's Vineyard and Cape Cod, and accumulations of 2 to 4 inches are expected in Nantucket. These rainfall totals could cause isolated flash flooding. Swells generated by Jose are affecting Bermuda, the Bahamas, and much of the eastern coast of the U.S. These swells are likely to cause dangerous surf and rip current conditions for the next several days in these areas.

### Bureau of Indian Affairs Hurricane Jose Update

Source: Hurricane Tribal Assistance Coordination Group Conference Call – September 19, 2017

Yesterday, the Bureau of Indian Affairs (BIA) reported that they were monitoring three tribes that were under a Tropical Storm Warning due to Tropical Storm Jose. The tribes are the Narragansett Indian Tribe in Rhode Island, the Wampanoag Tribe of Gay Head in Massachusetts, and the Mashpee Wampanoag Tribe in Massachusetts. BIA was also monitoring three tribes under a Tropical Storm Watch. The tribes are the Shinnecock Indian National in New York, the Pequot Indian Tribe in Connecticut, and the Mohegan Tribe of Indians in Connecticut. The tribes are working with county and state partners to prepare for Jose and remain at a steady state (Level 1); however, tribal leaders are prepared to move to a Level 2 if needed. Local messaging has been sent out and the elderly and special needs populations have been contacted.



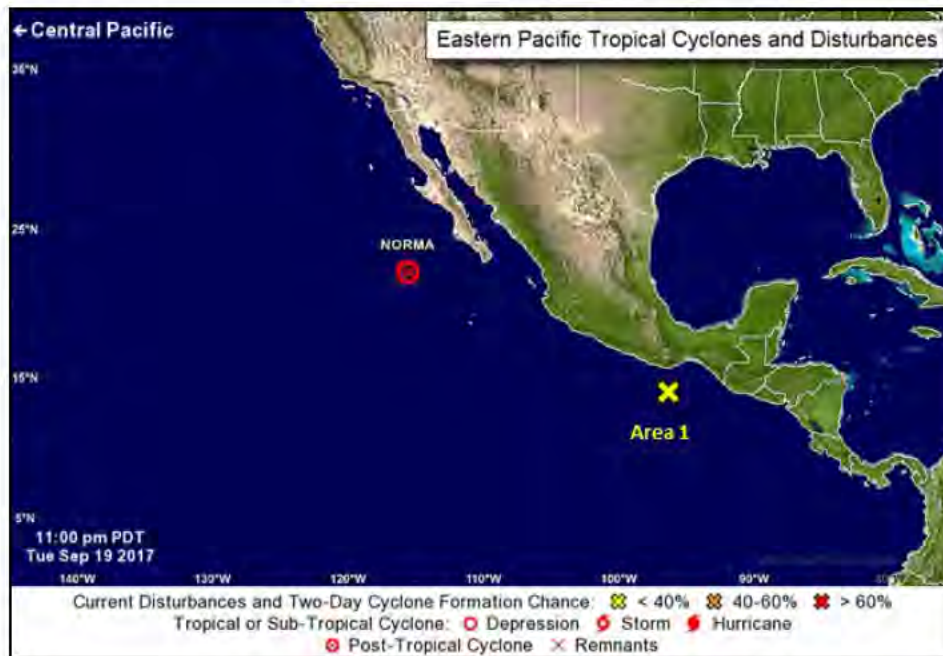
HURREVAC image

## Hurricane Maria:

Hurricane Maria is summarized in the beginning of this report.

## Eastern Pacific Ocean

### Area 1

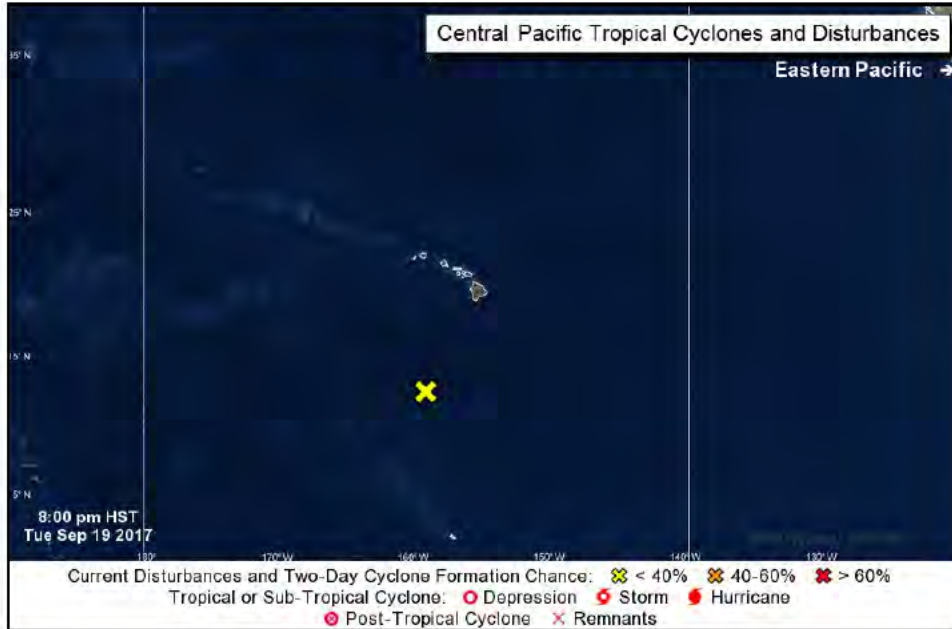


A large area of disturbed weather is located a few hundred miles southeast of Acapulco, Mexico. Conditions are favorable for a tropical depression to form by the weekend while this system moves west-northwestward very near the southern coast of Mexico. Regardless of tropical cyclone formation, heavy rains are expected in this area during the next several days. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.

### Post-Tropical Cyclone Norma

The NHC issued their last advisory for Post-Tropical Cyclone Norma last night. Norma has degenerated into a remnant low and was located about 370 miles to the west of Cabo San Lucas, Mexico at 11:00 p.m. EDT on September 19. The remnant low was moving to the west-northwest at 7 miles per hour, but should gradually turn toward the north during the next day or so. There are no coastal watches or warning associated with the remnants of Norma. There will be the final report for this system.

## Central Pacific Ocean



Showers and thunderstorms associated with an area of low pressure located around 600 miles to the south-southwest of Honolulu remain disorganized. Some development is possible over the next few days as the system moves slowly toward the west. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, September 21, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Hurricane Maria - Atlantic Ocean

### **General Situation**

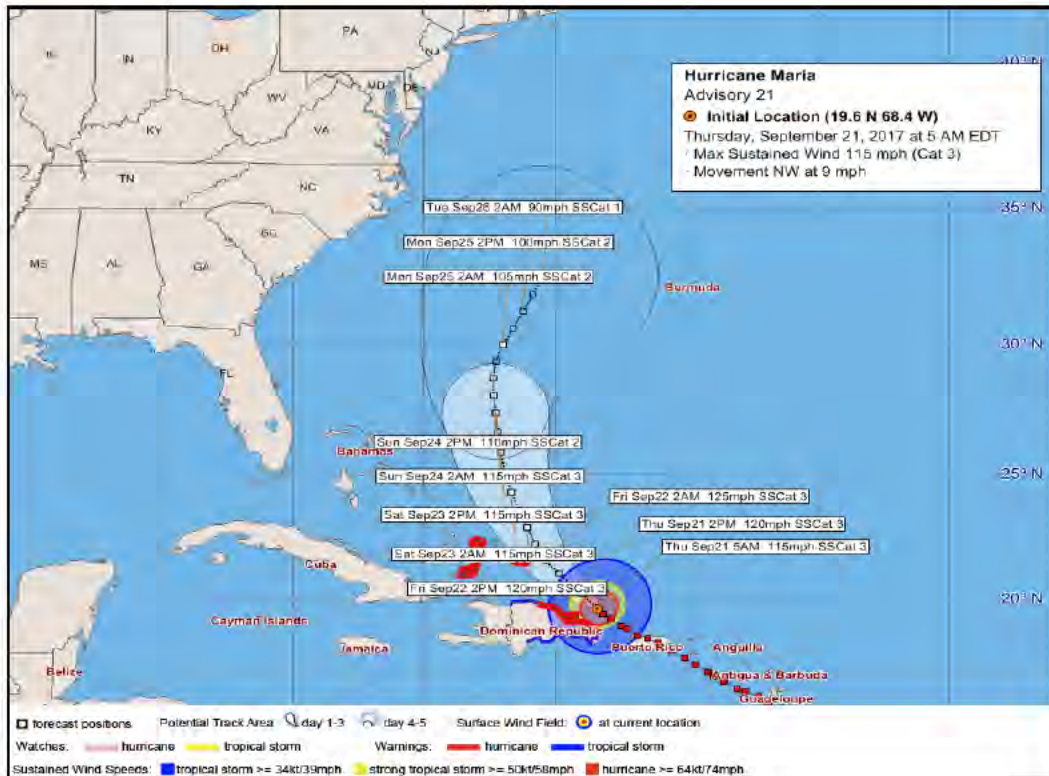
*Source: National Weather Service/National Hurricane Center – September 21, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 70 miles to the north of Punta Cana, Dominican Republic, and moving to the northwest at 9 miles per hour (mph). This general motion is expected to continue through tonight and turn toward the north-northwest on Friday. The National Hurricane Center is reporting that the eye of Hurricane Maria will continue to pass offshore of the northeastern coast of the Dominican Republic today. Maria should then move near the Turks and Caicos Islands and the southeastern Bahamas tonight and Friday. Maximum sustained winds are near 115 mph, with higher gusts. Maria has reduced its force and is now a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale; however, Maria could possibly strengthen during the next day or so. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 150 miles.

A Hurricane Warning is in effect for the Dominican Republic from Cabo Engano to Puerto Plata, the Turks and Caicos Islands, and the southeastern Bahamas. A Hurricane Watch is in effect for the Dominican Republic from Isla Saona to Cabo Engano. A Tropical Storm Warning is in effect for portions of the Dominican Republic. Strong gusty winds are still occurring over portions of Puerto Rico, but should continue to gradually subside this morning. Tropical storm or

hurricane conditions are continuing across portions of the warning areas in the Dominican Republic. Hurricane conditions are expected to begin in portions of the Turks and Caicos Islands and the southeastern Bahamas tonight, with tropical storm conditions beginning in these areas later today.

National Weather Service observed rainfall accumulations include 8-15 inches throughout San Juan, Puerto Rico, with isolated areas over 20 inches. The U.S. Virgin Islands received 10-15 inches, with isolated areas of 15-20 inches. Maria is expected to produce an additional 4 to 8 inches of rainfall in Puerto Rico, when a maximum storm total could reach 35 inches. An additional 2 to 4 inches of rainfall is expected in the U.S. and British Virgin Islands. This rainfall could cause life-threatening flash floods and mudslides.



HURREVAC Image

**DOI Mission Assignments as of September 21, 2017:**

There is currently a total of 205 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria and Irma.

<b>Total number of DOI Personnel Supporting Irma ESFs:</b>					<b>152</b>
<b>Total number of DOI Personnel Supporting Maria ESFs:</b>					<b>53</b>
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES

5	USGS	Puerto Rico	\$200,000	12	PR-17090102-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	USGS	Georgia Coast	\$135,000	1	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	1	9/7/2017 SC-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$527,500	27	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	BIA	FL	\$15,000	1	9/13/2017 MA: 3388EM-FL-DOI-01
<b>Description: BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017</b>					
<b>Personnel Description: One BIA EM person supporting remotely prior to JFO establishment.</b>					
8	NPS	FL	N/A	3	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017



					PR-17090102-DOI-01
<b>Description: Support ESF #11 position activation at the NRCC.</b>					
13	OLES	Seminole Tribe	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
<b>Description: Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.</b>					
<b>Location Description: DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.</b>					
<b>Personnel Description:</b>					
DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER 25 - FWS-OLE					
DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER 13 - USPP 8 - NPS 2 - OIG 2 - OLES					
DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER 25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)					
BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER 2 - BIA support personnel 2 - BIA radio techs					
13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	15	MA#3385EM-FL-USDJ-01
<b>Description: Provide Law Enforcement Support for ESF-8 and ESF-9.</b>					

**Location Description: DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ES13 staging.**

**Personnel Description: 169 personnel**

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER

9 - NPS

6 - FWS Refuge

Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017 MA: 4377DR-FL-DOI-03
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**Description: US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team**

**Personnel Description:** 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 9 personnel have been identified and planning to deploy early next week.

**Total number of DOI Personnel Supporting Maria ESFs: 53 (deployed)**

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01

**Description:** Support SILC position activation at the National Response Center

9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA:1509-240274
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**Description:** One person from NPS to serve on the FSARCG at FEMA HQ

13	Office of Law Enforcement & Security	PR	still on Irma MA	75 (50 deployed)	UNKNOWN, still on Irma MA, but discussions happening for new
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**Description: Provide Law Enforcement Support for ESF-8 and ESF-9.**

**Location Description: DOI MARIA QRTs 1 and 2 respectively, are completing preparations for 03:30 a.m. flight to Puerto Rico.**

DOI MARIA QRT 1, SEPTEMBER 18

25 - BLM

DOI MARIA QRT 2, SEPTEMBER 18

FWS Refuge - 13

BLM - 4

NPS - 4

OIG - 2

OLES - 1

DOI MARIA QRT 3: STANDBY IN ORLANDO (deployment is tentatively scheduled for September 23)

13 - BLM

7 - USPP

3 - OLES

2 - NPS

1 - OIG

DOI MARIA QRT 4: PENDING REASSIGNMENT FROM DOI IRMA QRT 5

14 - BIA/Tribal

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** Mission Assignment (MA) 3385EM-FL-USGS-01 has been amended for the USGS to perform high water mark (HWM) flagging and surveying in the Florida Keys. Yesterday, there were 8 personnel in the field retrieving storm surge sensors and processing data under this MA. A total of 129 surge sensors have been retrieved, 6 sensors have been lost, and 107 sensors have been processed for data. Fifty-nine HWMs have been flagged, and 49 HWMs have been surveyed.

#### **ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** The ESF #9 primary agencies activated the Federal Search and Rescue Coordination Group (FSARCG) for Hurricane Maria. Initial operations will be conducted out of FEMA Headquarters in Washington D.C., and will likely transition to the Caribbean in the near future. The NPS representative is scheduled to arrive at 9:00 a.m. this morning.

#### **ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** ESF #11 continues to coordinate with bureaus, the interagency and non-governmental organization (NGO)/University partners to understand the likely impacts occurring to the natural and cultural resources located on the USVI. ESF #11 is also working to obtain maps of historic districts along with their contributing properties; lists of key repositories of

records, archives, and archaeological collections; and creation of a list of community organizations and relevant preservation partners.

Additional meetings and calls are planned with partner groups and organizations to continue to gain an understanding of the natural and cultural resource needs within the territory and to work within the appropriate channels to provide assistance.

Additionally, ESF #11 is beginning to identify POCs for natural and cultural resource concerns for Puerto Rico and to assemble a list of possible impacts from Hurricane Maria.

### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 1 and 2 spent yesterday assisting other sheltering guests in Puerto Rico riding out the storm, to include providing medical assistance, conducting Search and Rescue efforts within the staging area, and assisting with secondary evacuation planning due to the threat of flooding and structure failure.

QRT 3 spent the day in Orlando preparing for deployment to PR. They ensured radio interoperability, conducted gear and equipment checks, worked with ESF #13 personnel on a flight load plan, and were re-deputized by the U.S. Marshals Service. QRT 3 is tentatively scheduled to deploy to PR on September 23.

QRT 4 (formerly DOI IRMA QRT 5) demobilized from the Seminole Direct Federal Assistance (DFA) mission and is traveling back to Orlando to begin preparation for reassignment to Maria. Fourteen of the 23 law enforcement officers (LEOs) will be reassigned; the remaining nine (9) will demobilize and return to their home units.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Maria Update**

*Source: National Park Service – September 20, 2017*

The NPS priority remains employee accountability and safety after Hurricane Maria made landfall in Puerto Rico. Initial reports in the Caribbean indicate the island has suffered extensive damage and loss of power and communications to many areas. NPS employees have been instructed to communicate their status by 9:00 a.m. this morning by calling in, internet applications, email, or text. Employees at USVI are to report to the Virgin Island National Park's Visitor Center (VC) on St. John Island, if possible, at 9:00 a.m. local time. The Northeast Region (NER) Special Event Tactical Team (SETT) will make priority home visits to any employees who have not made contact by late morning today. The Eastern Incident Management Team (EIMT) continues to support parks in the Southeast Region. The food and water request to benefit parks and support in the Caribbean for 8 pallets of food and 8 pallets of water has been processed and approved by FEMA and is ready for pickup in San Juan. The NPS Emergency Incident Coordination Center (EICC) remains at enhanced staffing from 7:00 a.m. to

9:00 p.m. daily. Currently, NPS has accounted for 81 employees and family members in Puerto Rico, St. John and St. Croix in the USVI. Reports from St. Thomas are still pending at this time. The EIMT reports that all personnel relocated from St. Croix and St. John to San Juan are accounted for.

### **Fish & Wildlife Service - Maria Update**

Source: U.S. Fish & Wildlife Service (FWS) - September 20, 2017

As of Wednesday, September 20, all FWS stations in the Caribbean are closed. The FWS has accounted for 15 of the 60 personnel in Puerto Rico and the U.S. Virgin Islands (USVI). There are 57 personnel in Puerto Rico, which includes personnel from Vieques and Culebra National Wildlife Refuges (NWR), and 3 personnel in the USVI. Power outages and degraded communications have contributed mightily to the inability to contact FWS personnel.

Southeast Region 4 is in the process of establishing a configuration of personnel from various types of teams (Special Operations Response Team members, Crew members, Deputy Project Leaders) to assist personnel and stations in Puerto Rico and US Virgin Islands.

### **United States Geological Survey - Maria Update**

Source: United States Geological Survey (USGS) – September 20, 2017

The USGS reports that there are 31 personnel in Puerto Rico sheltering in place. Four personnel have been accounted for through social media and a full accounting of personnel will occur once the storm has passed. USGS does not have any personnel in the USVI.

The USGS has 13 temporary sensors deployed on the south and east coasts of Puerto Rico. The USGS Earthquake Hazards Program is monitoring the status of the Puerto Rico Seismic Network (PRSN). Several supporting seismic stations have been damaged or are offline in the USVI Islands from impacts with Irma and the PRSN is currently offline and without communications because of Hurricane Maria impacts. The National Earthquake Information Center (NEIC) is backing up the major earthquake monitoring for the region. The Global Seismographic Network (GSN) station on Barbuda remains offline and assumed severely damaged or destroyed by Irma.

### **Fish & Wildlife Service - Irma Update**

Source: Fish & Wildlife Service - September 20, 2017

The FWS Southeast Incident Management Team (IMT) continues to conduct initial stabilization efforts for the stations impacted by Hurricane Irma in Florida. This includes debris removal, excavation activities, roofing, and tarping housing structures. As of September 20, the IMT has completed 80% of stabilization efforts, and an additional one or two days of general cleanup efforts remain. FWS representatives are meeting with Monroe County and Florida Forest Service personnel to enact a burn-ban, due the extreme vulnerable wildland fire conditions.

## **Bureau of Indian Affairs Hurricane - Irma Update**

*Source: Hurricane Tribal Assistance Coordination Group Conference Call – September 20, 2017*

The Immokalee Tribe Emergency Operations Center (EOC) has returned to normal operations, while the Big Cypress and Hollywood Reservations EOCs remain active. The Big Cypress Reservation shelter is open with 12 occupants. Power has returned to the Immokalee Reservation. If the power stays on for the next 24 hours, the Tribe will close its shelter, but remain on standby in the event of subsequent outages. The Immokalee Points of Distribution (POD) location has closed and its supplies have been transferred to the Big Cypress POD, which is still operational and distributing supplies. Power has been restored to all Seminole Reservations with the exception of Big Cypress and one mobile home park in the Hollywood Reservation. The Seminole Tribe of Florida is now working with Florida Public Utilities, AmeriGas, and Ferrellgas companies to fulfill their propane needs. The Miccosukee Tribe of Indians of Florida is not reporting any needs at this time.

## **United States Geological Survey (USGS) - Irma Update**

*Source: United States Geological Survey – September 20, 2017*

The USGS reports that 54 gages have been repaired to date. In Florida, 12 personnel were in the field repairing gages and taking discharge measurements. To date, 162 discharge measurements have been performed in response to Irma.

## **Other Federal and State Government Reporting**

### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 21, 2017*

FEMA Headquarters:

- National Response Coordination Center (NRCC): Level I (24/7)
- National Watch Center: Steady State
- National Incident Management Assistance Teams (IMATs): East-1 (Florida EOC); East-2 (Puerto Rico Caribbean Area Division)
- Red Incident Support Team at Puerto Rico

Region Response:

- Region I Regional Response Coordination Center (RRCC) at Level II (day shift only)
- Region II RRCC at Level II (24/7); deactivated
- Region IV RRCC at Level II (24/7); deactivated; Liaison Officers (LNOs) to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to the U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1, and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

State/Territory/Local Response:

- Florida, U.S. Virgin Islands, and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Mississippi EOC at Partial Activation
- Tennessee EOC at Monitoring
- Georgia EOC returned to Normal Operations

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 21, 2017:**

There are currently a total of 56 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed = 56					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description: Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.</b>					
<b>Personnel Description: 30 Total - 7 NPS; 1 BIA; 21FWS; 1 BLM</b>					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	22	8/26/2017
					4332DR-TX-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 20 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					

15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)</b>					
NCR RSF	OEPIC	Austin, TX	\$56,910	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description: Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies</b>					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 20 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,286 locations have had HWMs flagged, with over 617 locations surveyed.

**ESF #11 (Agriculture and Natural Resources)**

- ESF #11 (OPEC): A Field Coordinator has been deployed to the Austin Joint Field Office (JFO) to coordinate the Natural and Cultural Resources Recovery Support Function. The Field Coordinator is working with bureau subject matter experts (SMEs) in the region and supporting agencies to draft a Mission Scoping Assessment which is due on September 23.

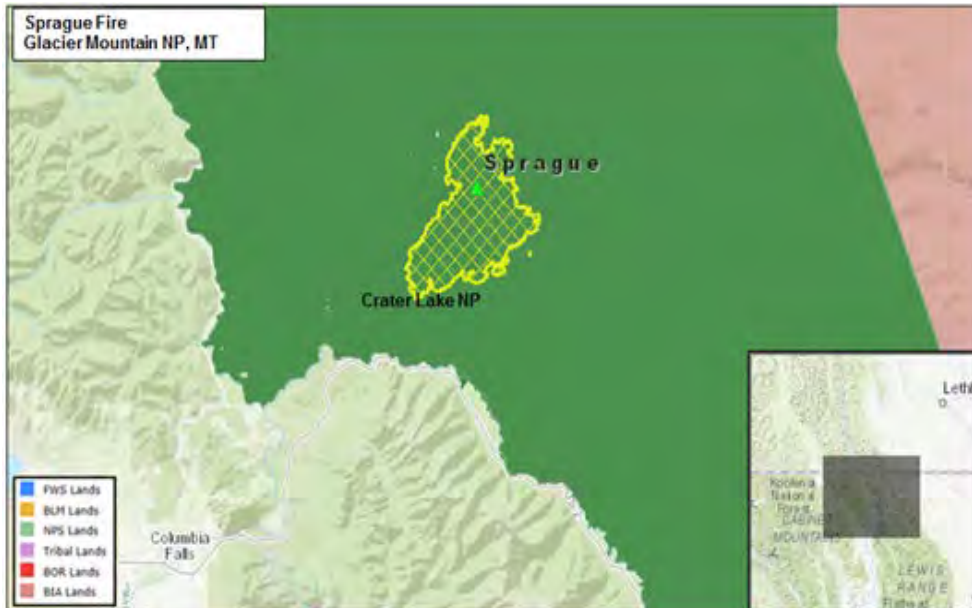
**Wildland Fire Activity**

Source: Fire and Aviation Management Website - September 21, 2017

**Montana**

**Sprague Fire**



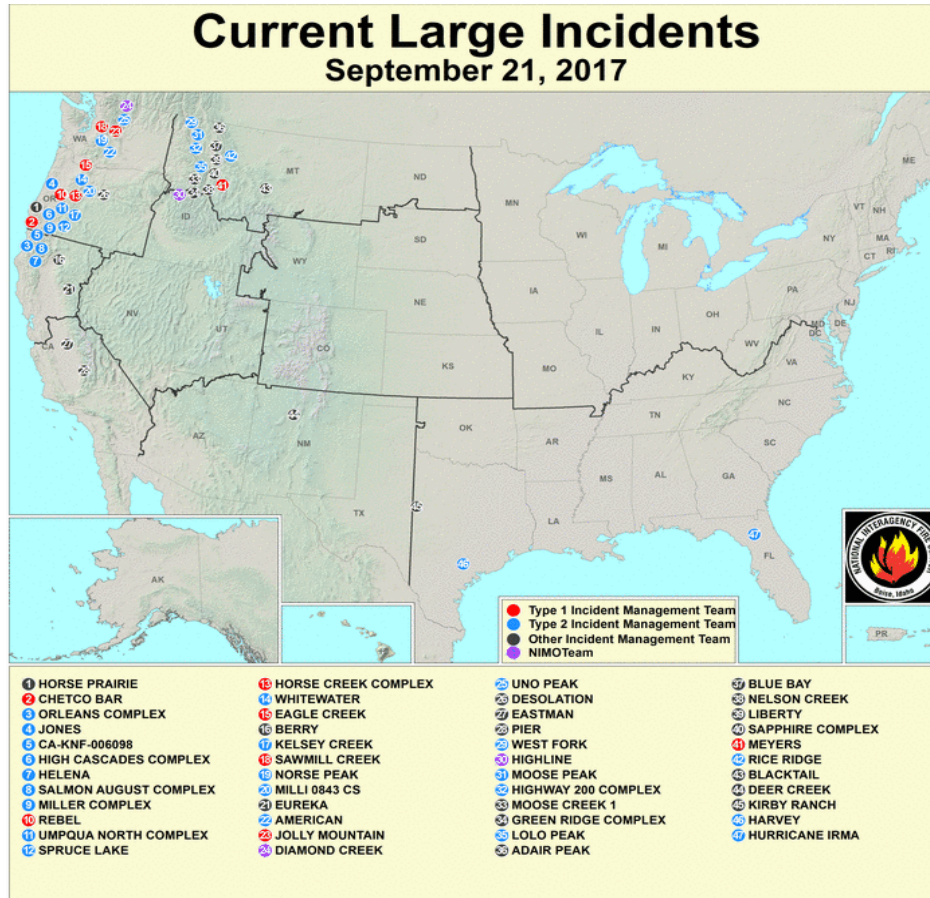


*IGEMS Image*

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 163 (-13) / 61 (+1)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as moderate during this reporting period with creeping and smoldering. The fire poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. A cold upper level trough will remain over the northern Rockies bringing scattered lower elevation rain showers, and higher elevation snow showers through the remainder of this week. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 21, 2017

### National Preparedness Level 4

### National Fire Activity

Initial attack activity:	Light (42 new fires)
New large fires:	2
Large fires contained:	0
Uncontained large fires: **	25
NIMOs committed:	2
Type 1 IMTs committed:	5
Type 2 IMTs committed:	15

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, and slightly elevated surface temperatures were observed in two satellite images of Bogoslof Island over the past reporting period. No activity was detected in seismic or infrasound data from neighboring islands. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing significant was observed in satellite, seismic, or infrasound data during this reporting period. Some minor steaming at the summit was visible in web camera views.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey - September 20, 2017*

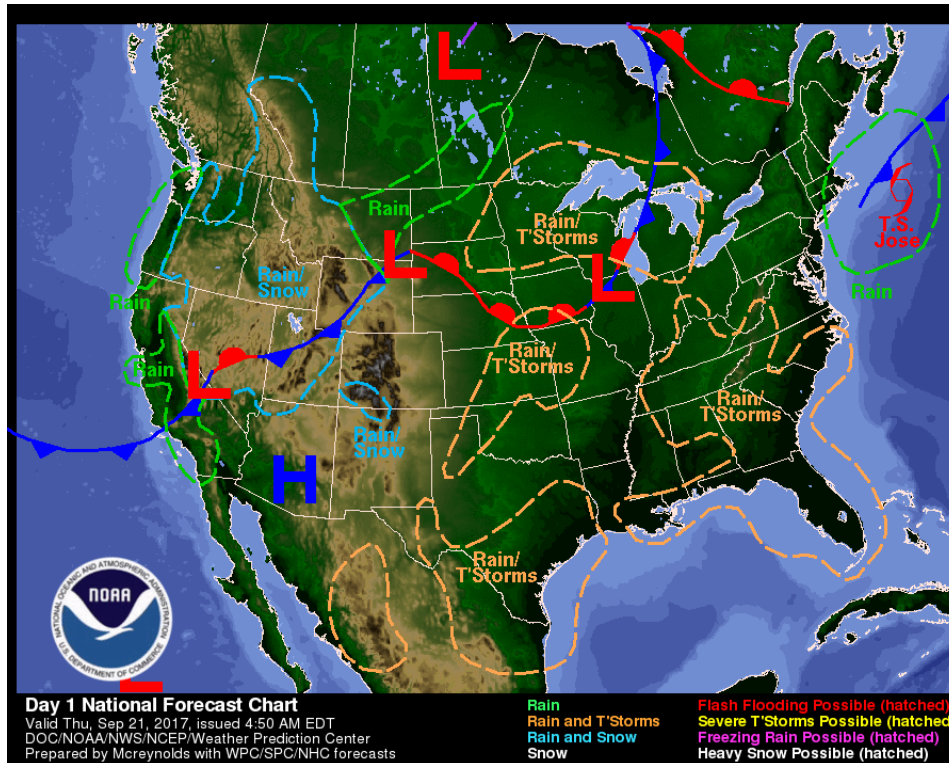
The USGS reported that a magnitude 6.1 earthquake occurred on September 20 at 12:37 p.m. EDT, approximately 175.5 miles to the east-southeast of Kamaishi, Japan, at a depth of 6 miles. The USGS issued a Green PAGER Alert for shaking-related fatalities for estimated economic losses. There is a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 6.4 earthquake occurred on September 20 at 4:09 p.m. EDT, approximately 58 miles to the north-northwest of Isangel, Vanuatu, at a depth of 124

miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

## **Significant National Weather**

*Source: National Weather Service - September 21, 2017*



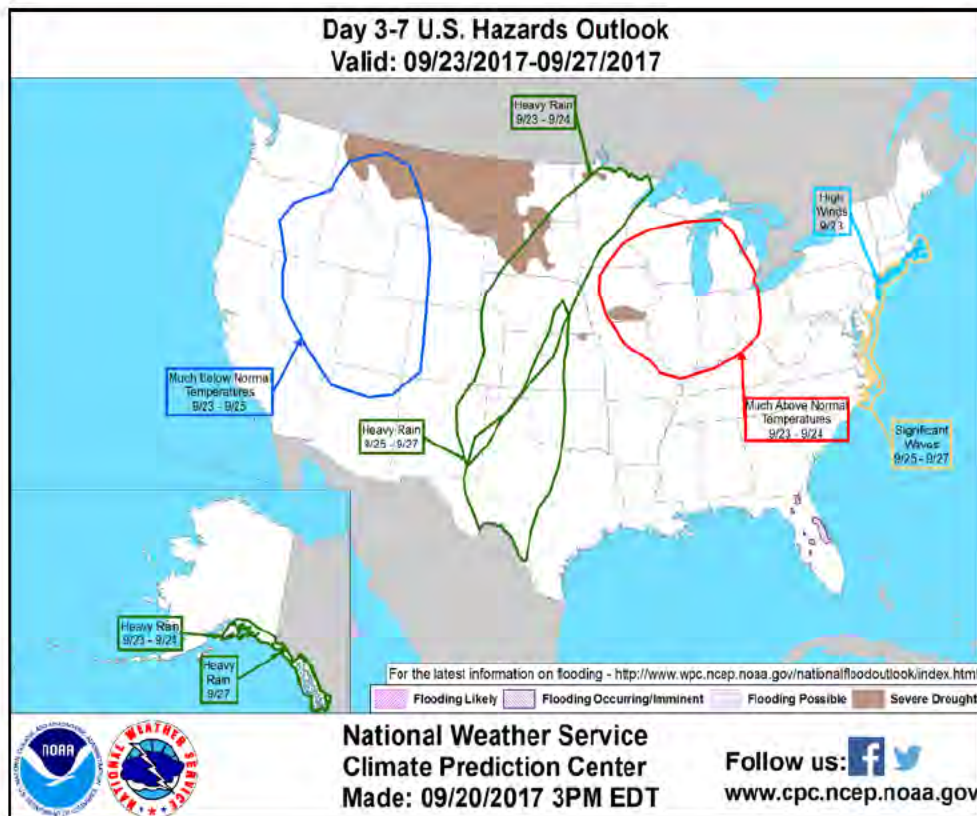
## **Today**

Heavy rainfall from the western edge of Jose will impact mainly southeast Massachusetts. Additionally, dangerous surf conditions and rip currents will continue to be a hazard for the Northeast coast through tonight. Rain and thunderstorms will develop across the southern Appalachians, the Southeast, portions of the South, Florida, and the central Gulf Coastal region. Showers and thunderstorms are also expected for eastern Texas and most of the Rio Grande Valley. A frontal boundary will extend from the central Great Lakes down into the Midwest then back to the western High Plains. Rain and thunderstorms will be possible from the upper Midwest into the Great Lakes. Additional scattered areas of rain and thunderstorms will develop across the central Great Plains. Hail-producing thunderstorms will be possible from the eastern Dakotas into the upper Peninsula of Michigan later this evening. Rain showers are possible from eastern Montana into northwestern North Dakota. Additional rain showers are likely for the Northwest coastal region and for most of California. Higher elevation rain and snow are forecast for the intermountain Northwest, the northern Rockies, the Great Basin and a portion of the southern Rockies.

## Tomorrow

Rain will still be possible for portions of the central New England coastal region. Showers and thunderstorms will again develop over the Southeast, Florida, southern Alabama, southern Mississippi, and the Mississippi Delta region. Rain and thunderstorms will develop from the northern Great Plains and upper Midwest south to New Mexico, central Texas, and the Rio Grande Valley. Scattered thunderstorms are expected to pose a severe risk of activity from the eastern Dakotas to Minnesota Friday morning through early Saturday, with a more isolated severe threat southward into the southern High Plains. Hail and gusty winds are the primary threats of thunderstorm activity, although some tornado potential may exist from South Dakota into Minnesota. Rain and snow are possible for the central and northern Rockies, Idaho's Snake River Valley, the northern Great Basin, and the central Sierras.

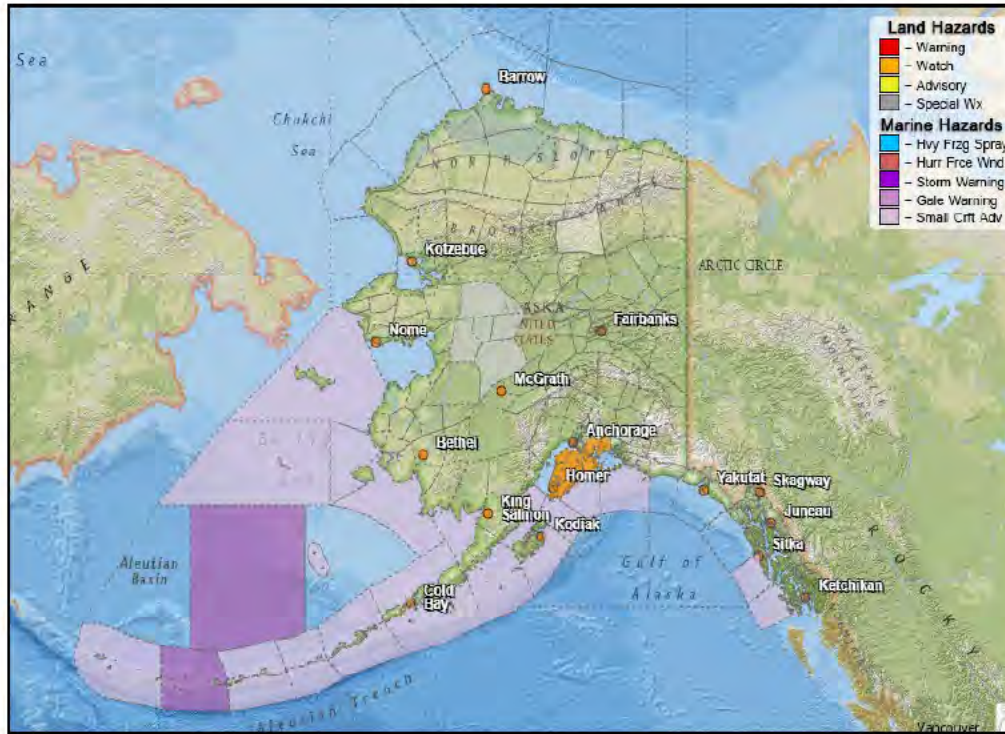
## Weather Hazard Assessment



- September 23: High winds for coastal sections of southeastern Massachusetts, southern Rhode Island, southern Long Island, and northern New Jersey.
- September 23: Heavy rain across portions of the Great Plains, and the upper Mississippi Valley.
- September 23-24: Much above normal temperatures across portions of the upper and middle Mississippi valleys, the Ohio Valley, and the Great Lakes.
- September 23-24: Heavy rain across portions of the Kenai Peninsula, southeastern mainland Alaska, and the Alaska Panhandle.
- September 23-25: Much below normal temperatures across parts of the interior West.

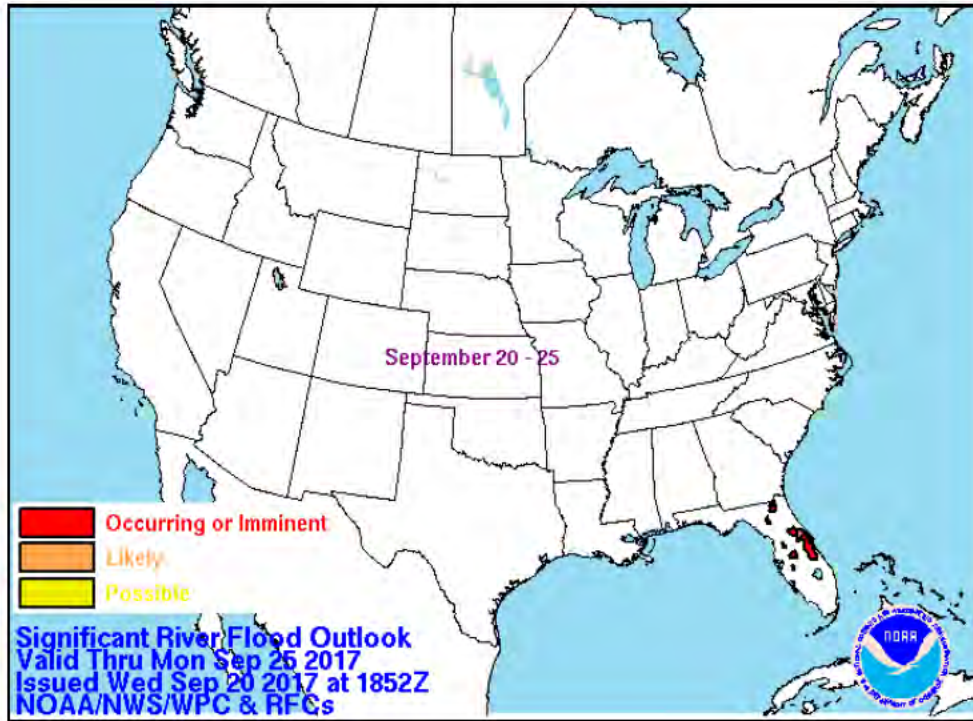
- September 25-27: Heavy rain across portions of the central and southern Plains.
- September 27: Heavy rain across portions of the Kenai Peninsula, southeastern mainland Alaska, and the Alaska Panhandle.

## Alaska Weather



A Gale Warning is in effect for the southern North and South Bering Sea and from Adak to Kiska Full. There is a Small Craft Advisory in effect from Kiska to Attu, from Seguam to Cape Clear, Cape Decision to Dixon Entrance, Dall Point to the Etolin Strait, Pribilof Islands and Bristol Bay. A Flood Watch is in effect for Kenai, Seward, Cooper Landing, Homer, Soldotna, Anchor Point, Homer Bluffs, Seldovia, Whittier, Moose Pass, Turnagain Pass and Portage. A Special Weather Statement has been issued for high water along the Koyukuk River.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of Florida.

## Severe Weather

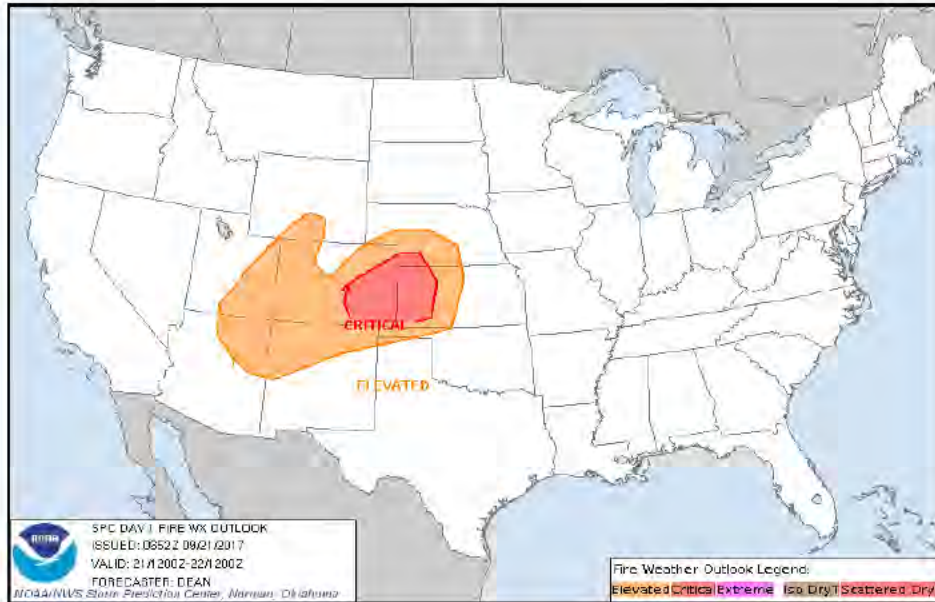


There is a Marginal Risk of severe thunderstorm activity today across portions of the north-central U.S.

### **Tornado Weather**

There is a less than a 2-percent chance of tornado activity today across the U.S.

### **Fire Weather**



Critical Fire Weather is forecast for today for eastern Colorado, western Kansas, and far western Nebraska. Elevated Fire Weather is forecast for eastern Utah, northeastern Arizona, Colorado, northern New Mexico, western Kansas, southwestern Nebraska, the panhandle of Oklahoma, and the extreme northern edge of Texas.

### **Tropical Weather Activity**

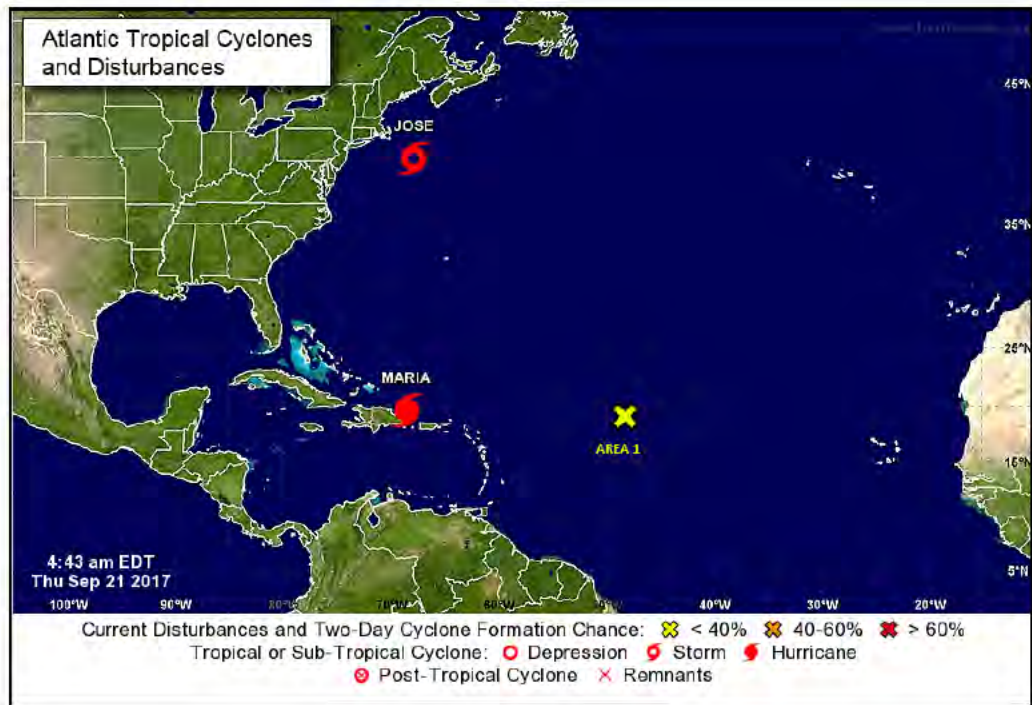
Source: National Weather Service/National Hurricane Center – September 21, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

#### **Area 1**

Shower and thunderstorm activity associated with the remnants of Lee remain very limited. Upper-level winds are expected to remain unfavorable for significant development during the next several days. This low is expected to move northward over the central Atlantic Ocean and has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.





### Tropical Storm Jose

At 5:00 a.m. EDT, the center of Tropical Storm Jose was located approximately 150 miles southeast of Nantucket, Massachusetts, and moving toward the northeast at near 2 mph. Jose is expected to meander off the coast of southeastern New England for the next several days. Maximum sustained winds are near 60 mph, with higher gusts, and gradual weakening is forecast for the next couple of days. A Tropical Storm Warning is in effect for Block Island (Rhode Island), Martha’s Vineyard (Massachusetts), Nantucket (Massachusetts), and from Woods Hole to Sagamore Beach, including Cape Cod. The Nantucket Airport reported gusts of 48 mph, and an observation site in Vineyard Haven reported 48 mph gusts with a sustained wind of 38 mph.

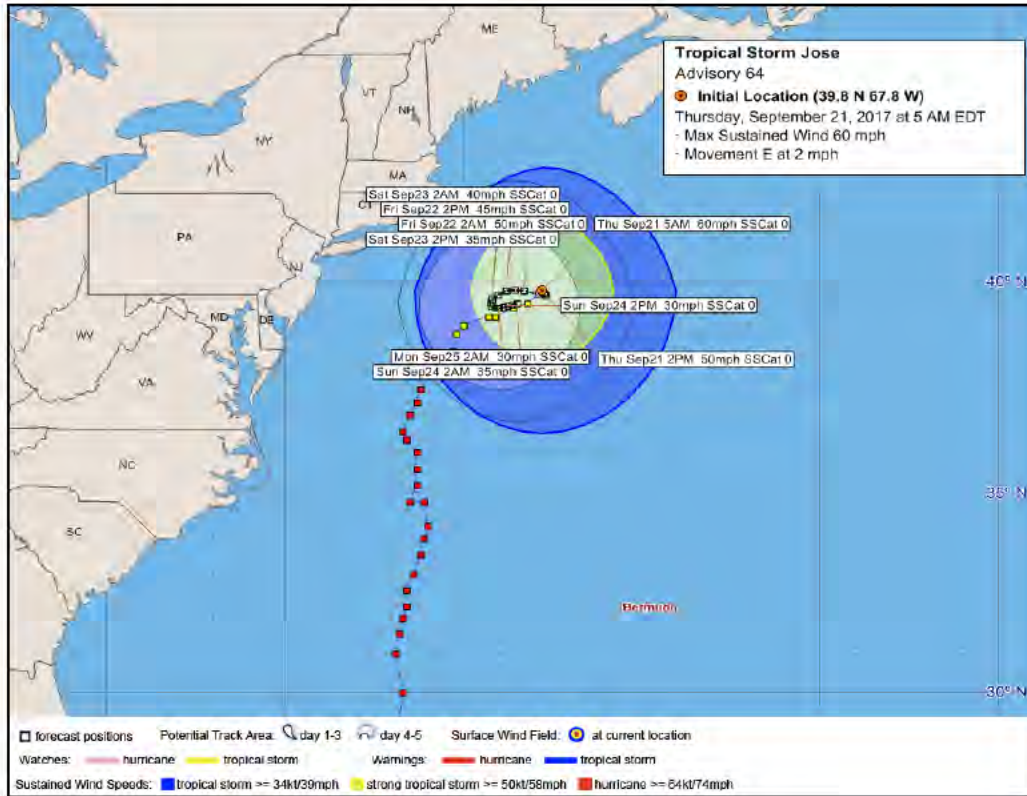
Jose is expected to produce total rain accumulations of 1 to 2 inches in Martha’s Vineyard and Cape Cod, and accumulations of 2 to 4 inches are expected in Nantucket. These rainfall totals could cause isolated flash flooding. Swells generated by Jose are affecting Bermuda, the Bahamas, and much of the eastern coast of the U.S. These swells are likely to cause dangerous surf and rip current conditions for the next several days in these areas.

### Bureau of Indian Affairs Hurricane Jose Update

Source: Hurricane Tribal Assistance Coordination Group Conference Call – September 20, 2017

The Bureau of Indian Affairs (BIA) reported that the the Wampanoag Tribe of Gay Head and the Mashpee Wampanoag Tribes in Massachusetts, and the Narragansett Indian Tribe in Rhode Island were under a Tropical Storm Warning due to Tropical Storm Jose. The Tribes have taken necessary precautions to prepare Tribal members. BIA is also monitoring three tribes under a Tropical Storm Watch. The tribes are the Shinnecock Indian National in New York, the

Mashantucket Pequot Indian Tribe in Connecticut, and the Mohegan Tribe of Indians in Connecticut. The tribes are working with county and state partners to prepare for Jose and remain at a steady state (Level 1); however, tribal leaders are prepared to move to a Level 2 if needed. Emergency related messaging is being sent out via social media and the Emergency Notification Systems (ENS) and the elderly and special needs populations have been contacted.



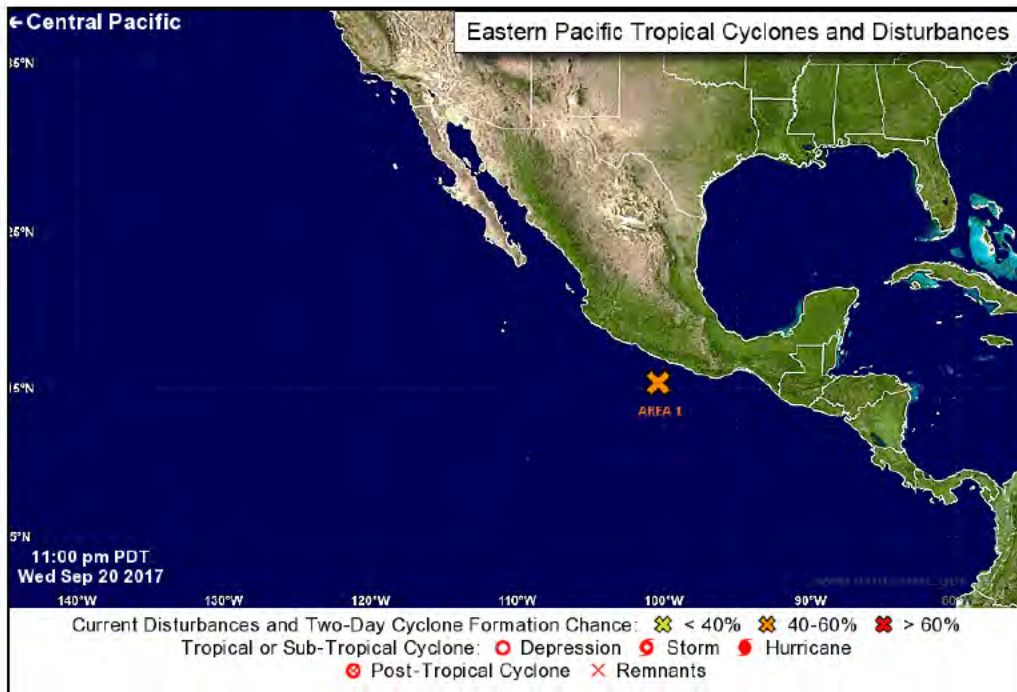
HURREVAC image

### Hurricane Maria:

Hurricane Maria is summarized in the beginning of this report.

## Eastern Pacific Ocean

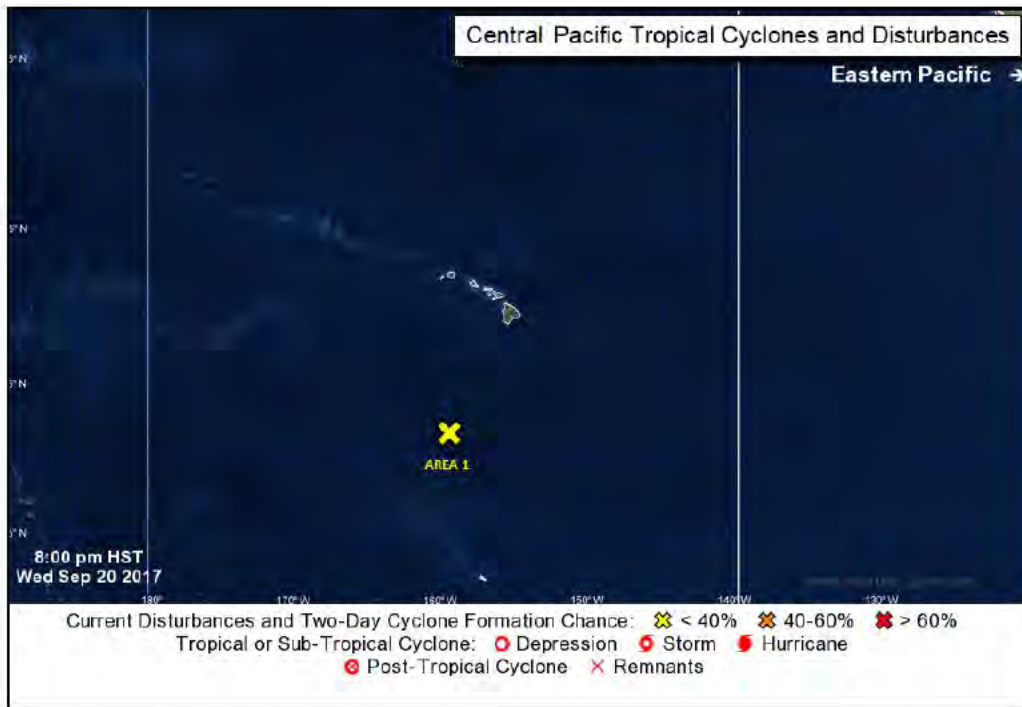
### Area 1



Shower and thunderstorm activity associated with a broad area of low pressure located just offshore of the southwest coast of Mexico has increased, but remains disorganized. Environmental conditions are expected to be conducive for gradual development, and a tropical depression is likely to form in two to three days as the system moves slowly toward the west-northwest. Regardless of tropical cyclone formation, heavy rains are expected over portions of southern Mexico during the next several days. This system has a 60-percent chance of developing into a tropical cyclone over the next 48 hours.

## Central Pacific Ocean

### Area 1



Showers and thunderstorms associated with a broad area of low pressure located around 650 miles south-southwest of Honolulu, Hawaii remain disorganized. As this system continues to move slowly toward the west over the next couple of days, dry middle-to-upper-level air and increasing upper-level winds will likely inhibit tropical cyclone formation. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, September 22, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 4**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Hurricane Maria - Atlantic Ocean

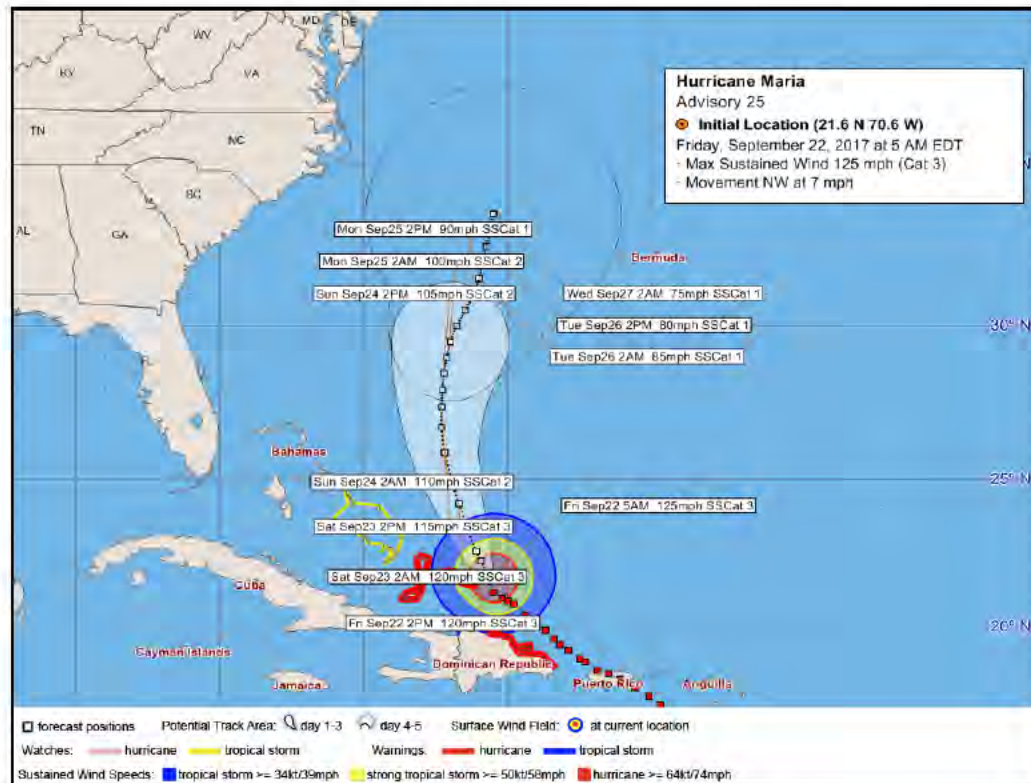
### **General Situation**

*Source: National Weather Service/National Hurricane Center – September 22, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 35 miles to the east-northeast of Grand Turk Island, and moving to the northwest at 7 miles per hour (mph). A motion towards the north-northwest is expected later today and Saturday. Maria's eye will move near or just east of the Turks and Caicos Islands and southeastern Bahamas today. Maximum sustained winds are near 125 mph, with higher gusts. Maria remains a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale; however, gradual weakening is expected during the next 48 hours. Hurricane-force winds extend outward up to 70 miles from the storm's center, and tropical storm-force winds extend outward up to 160 miles.

A Hurricane Warning is in effect for the Dominican Republic from Cabo Engano to Puerto Plata, the Turks and Caicos Islands, and the southeastern Bahamas. A Tropical Storm Warning is in effect for portions of the Dominican Republic. A Tropical Storm Watch is in effect for the central Bahamas. Tropical storm conditions across portions of the Dominican Republic should begin to subside in the next several hours. Hurricane conditions are expected to spread into portions of the Turks and Caicos Islands and the southeastern Bahamas today, with tropical storm conditions possible in the central Bahamas later today.

The National Weather Service observed rainfall accumulations include an additional 3-6 inches throughout Puerto Rico, with isolated amounts over 40 inches. This rainfall could cause life-threatening flash floods and mudslides.



HURREVAC Image

**DOI Mission Assignments as of September 22, 2017:**

There are a total of 164 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b>Total number of DOI Personnel Supporting Irma ESFs:</b>						<b>72</b>
<b>Total number of DOI Personnel Supporting Maria ESFs:</b>						<b>92</b>
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES	
5	USGS	Puerto Rico	\$200,000	12	PR-17090102-USGS-01	
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma						
5	USGS	Georgia Coast	\$135,000	1	GA-17083101-USGS-01	

**Description:** Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.

5	USGS	SC Coast	\$170,000	1	9/7/2017
					SC-17083101-USGS-01

**Description:** Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma

5	USGS	Florida Coast	\$527,500	27	3385EM-FL-USGS-01
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**Description:** To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma

5	BIA	FL	\$15,000	1	9/13/2017
					MA# 3388EM-FL-DOI-01

**Description:** BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017

**Personnel Description:** One BIA EM person supporting remotely prior to JFO establishment.

11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					MA#4337DR-FL-DOI-8

**Description:** Support ESF #11 position activation at the NRCC.

Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017
					MA# 4377DR-FL-DOI-03

**Description:** U.S. Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team

**Personnel Description:** A 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. A 24-person team is set to deploy today to Anniston, Alabama for training, prior to forward deployment to the impacted areas.

Non ESF	DOI	GA	\$5,000	1	9/13/2017 MA#4337-FL-DOI-06
<b>Description:</b> Activate Department of Interior (DOI) to the FEMA RIV Regional Response Coordination Center (RRCC) to support DOI and Tribal matters in response to Hurricane Irma.					
NCR RSF	OEPC	Orlando, FL	\$127,211	1	MA#4337DR-FL-DOI-07
<b>Description:</b> NCR RSF Field Coordinator is being deployed to Florida JFO on Thursday, September 21.					

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 MA#4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA#1509-240274
<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> All team members for DOI MARIA QRTs 1 and 2 are safe and accounted for. They are conducting recon for ESF-8 AND ESF-9 teams as weather and road conditions permits. Teams may be required to self-sustain from this point forward and are prepared to do so.					
DOI MARIA QRT-3 is ready to deploy to San Juan.					
DOI MARIA QRT-4 traveled to Orlando on September 21. They are re-deputized and conducting radio and equipment checks. Will likely deploy with QRT-3.					
DOI MARIA QRT 1, SEPTEMBER 19 25 - BLM					
DOI MARIA QRT 2, SEPTEMBER 19 FWS Refuge - 13 BLM - 4 NPS - 4 OIG - 2 OLES - 1					



DOI MARIA QRT 3: Deployment is tentatively scheduled for September 22 at 1100.

13 - BLM

7 - USPP

3 - OLES

2 - NPS

1 - OIG

DOI MARIA QRT 4: Deployment is tentatively scheduled for September 22 at 1100.

14 - BIA/Tribal

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** Yesterday, there were 13 personnel in the field processing storm surge sensor data and planning for additional HWMs, focused on the Florida Keys and southwestern Florida. A total of 129 surge sensors have been retrieved, 6 sensors have been lost, and 119 sensors have been processed for data. A total of 108 HWMs have been flagged, and 61 HWMs have been surveyed.

#### **ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** An NPS representative is present at FEMA Headquarter to support the Federal Search and Rescue Coordination Group.

#### **ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** ESF #11 coordinated with the State Historic Preservation Officers (SHPOs) on Puerto Rico and U.S. Virgin Islands, and with the NPS Grants Division, who provide funding for Historic Preservation to the SHPOs. The hope is to communicate with the SHPOs to understand their cultural resources needs, including archival and archaeological collections, and provide technical assistance and Subject Matter Experts (SMEs) where appropriate and possible through ESF #11 NCH, with support from the DOI bureaus and inter-agency partners, and a possible FEMA Mission Assignment.

ESF #11 NCH participated in the Federal Animal Emergency Management Work Group call. Discussions included controlling the New World Screwworm in infested countries in the Caribbean basin and controlling any possible spread of the organism through movement of animals, equipment, and commodities between islands and the U.S. mainland. Spread of the Screwworm is not a concern at this time, but warrants monitoring. ESF #11 NCH communicated this work to FWS, who had dealt with an outbreak of the New World Screwworm on the Florida Keys. FWS SMEs are aware of the issue and maintain a close watch on the situation.

OEPC deployed a Field Coordinator to the JFO in Orlando on Thursday, September 21. The Field Coordinator will begin working with other federal agencies and the state in developing the Mission Scoping Assessment to identify impacts.

### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 1 and 2 spent yesterday conducting reconnaissance with ESF #8 and ESF #9 teams, as weather and road conditions permitted. Their hotel sustained significant damage and does not have power. Many roads are impassable. Teams are prepared to be self-sufficient, if needed due to local conditions.

QRT 3 and QRT 4 are currently staged in Orlando, Florida, awaiting departure to Puerto Rico, which is schedule for later today. Radios provided by NPS were received by the two teams and will be taken with them to Puerto Rico. Due to concerns about lodging, tent space, meals, and water, the ESF #13 Branch Chief does not support sending additional QRTs until the situation is resolved.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Maria and Irma Update**

*Source: National Park Service – September 21, 2017*

The NPS continues to complete employee accountability and conduct initial damage assessments. Despite widespread power outages, locations where NPS staff sheltered remain with power and communications due to generators and satellite phones.

In the U.S. Virgin Islands (USVI), employees from Christiansted National Historic Site (NHS) are accounted for. Virgin Island National Park (NP) reports that 37 of their 49 personnel are accounted for. Debris was reported on St. Croix, but no major structural damages were observed from fixed wing overflights. On St. John, debris and some damages were observed.

San Juan Island National Historical Park (NHP), Puerto Rico reports that 44 of 96 employees have been accounted for. Puerto Rico experienced area flooding, flash flooding, mudslides, and utility failures as a result of Maria. Due to weather conditions, there are no other initial damage reports at this time.

The following park updates were provided by NPS:

- *San Juan (SAJU)* - Open – The park is preparing a filling station for an adjacent community for non-potable water. Additionally, the park is also working to provide land to support humanitarian efforts, if needed. The park suffered minor damage to some roof skylights during the storm. There are Critical Incident Stress Management (CISM) members onsite working with relocated employees at the Sheraton Hotel where

some were sheltered. These employees will be used to conduct CISM at SAJU, Saint John, Saint Croix and Saint Thomas.

Yesterday, SAJU took delivery of the first round of 8 pallets of shelf stable food and 8 pallets of water from FEMA, which will be used to support operations on the islands.

- *Big Cypress (BICY) - Closed* - The preserve remains closed to all visitor use and access is limited to land owners only. Employees will be phased in to return to work based on the ability to power the infrastructure. Additional generators arrived yesterday and should be able to provide power for the majority of HQ. Phones and internet systems remain down. Facilities Management staff are focused on the utilities infrastructure. Preserve facilities remain without power, with no restoration dates available. Damage to rooftops of a maintenance building and ranger station have been covered with tarps. The paved section of the Loop Road is clear, though the gravel portion remains completely blocked. Power has been restored to the Loop Road Ranger Station. Many of the roads, visitor information, regulatory signs and kiosks suffered severe damage from the storm. The water treatment plant is online, due to generators provided by the Florida National Guard. Water testing for utilities continues, but the preserve remains under a “boil water” advisory. Additional law enforcement and security remains in place.

- *Biscayne (BISC) - Closed* - Employees have returned to work and the Critical Incident Stress Management Team (CISM) is onsite. Water cleared to drink. Visitor traffic to the park increases as more roads have been reopened. Increased road patrols and multi-language signs have been instituted to reinforce closures where debris still exists. The pier and housing areas will be assessed today to confirm their stability.

- *Everglades (EVER) - Closed* - Two repeaters are inoperable. Backcountry assessments are underway. Cell Service is improved, but many phone lines at the HQs and EVER ICP are still down. The Pine Island Wastewater Treatment Facility is functioning, but is still not yet fully operational. Testing will take place for a 24-hour period. If the water testing returns with positive results, then housing occupants may begin to return to the area. EIMT is assisting with contracting services as a secondary to a fully operational treatment plant. Due to unforeseen mechanical issues, Air Operations were halted, though they were later cleared by the aviation mechanic to resume operations. Air Operations and Research will assess remote areas in order to allow critical research data to be collected. A Press Release was issued to advise the community that the East Everglades area is reopened to private airboat operators. Park is hoping to open a portion of the Main Park Road (and associated trails) by late next week.

- *De Soto (DESO) - Closed* - The park remains closed to the public, though the Visitor Center and some trails may reopen later today. As a result, CANA employees will demobilize and return to their park. An assessment team arrived on site yesterday to begin looking at facility structures. An arborist has been requested to advise on how to proceed with the disposition of the historic Gumbo Limbo trees.

- *Dry Tortugas (DRTO)* - Closed - The Motor Vessel (M/V) Fort Jefferson was dispatched to bring recovery resources and personnel to the park from Key West. Radio Communications issues are still being addressed.
- *Canaveral (CANA)* - Partially open - The park is open with selective closures in place. Cleanup efforts continue.
- *Castillo de San Marcos (CASA)* - Open - The park is open with selective closures in place. The Saw crew completed work yesterday and the park will need to determine the course of action for the holes left behind by uprooted root balls and trees.
- *Fort Matanza (FOMA)* - Closed - Saw teams completed debris removal yesterday. Previous dock repair contractor (contract is still open from Matthew) looking at the dock damage. The mainland will be able to reopen once the arborist team completes work on the hazardous trees. A CISM team is expected to arrive later today to provide any needed assistance.
- *Fort Pulaski (FOPU)* - Closed - Cleanup continues on the trails, debris and tree removal. The complete dismantling, repair, and installation of the sally port bridge has been completed and the demilune bridge, also in need of adjustment, is now in working condition. The roof of the fort still needs to be assessed and repaired. The West end water test results came positive and is okay for consumption. The east end water has not been cleared for drinking and a water trailer has been requested for that side of the park. A reopening date for the pump house will be established once a quote for repairs has been obtained.
- *Cumberland Island (CUIS) / Ft. Frederica (FOFR)* - Closed – Currently, there is no estimation for reopening, though employees have returned to normal work shifts. The park will most likely reopen in stages as repair work and debris removal are completed. The U.S. Coast Guard (USCG) and the City of St. Marys continue cleanup efforts on the St. Marys waterfront and downtown area up. Many areas of the park’s cultural landscape were severely damaged by the storm and are awaiting materials for saw and arborist crews to continue repair work. A CISM Team is on site to provide assistance as needed. FOFR is partially open with selective closures in place. The southside of the town is blocked to visitation until additional debris removal occurs.
- *Ft. Frederica (FOFR)* - Partially open – loyees have returned to normal work shifts. The park will most likely reopen in stages as repair work and debris removal are completed. The U.S. Coast Guard (USCG) and the City of St. Marys continue cleanup efforts on the St. Marys waterfront and downtown area up. Many areas of the park’s cultural landscape were severely damaged by the storm and are awaiting materials for saw and arborist crews to continue repair work. A CISM Team is on site to provide assistance as needed.

## **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (FWS) - September 21, 2017*

As of Thursday, September 21, all FWS stations in the Caribbean remain closed. The FWS has accounted for 19 of the 61 personnel in Puerto Rico and the U.S. Virgin Islands (USVI). Power outages and degraded communications continue to cause delays in contacting FWS personnel.

Refuge Managers from the Caribbean Islands Complex and Vieques National Wildlife Refuge report catastrophic conditions throughout and have begun utilizing heavy equipment for road clearing operations. Communications on the Caribbean Islands Complex remain down for all landlines; cell and satellite phone service is spotty at best. Four FWS Office of Law Enforcement (OLE) personnel are deploying to Puerto Rico tomorrow morning via a Customs and Border Protection (CBP) aircraft. The OLE in Guaynabo, Puerto Rico, is without power and public utility water. Roads are impassable and access is restricted due to downed trees and powerlines.

FWS offices continue to support Irma taskings and are on standby to begin recovery efforts for damages caused by Hurricane Maria. The facilities management group is prepared to send a 3-person assessment team to Puerto Rico as soon as transportation issues can be resolved. The Southeast Regional office is assembling response teams configured with Law Enforcement officers (LEOs), saw teams, and maintenance equipment to assist as needed.

The Incident Management Team (IMT) is assisting and supporting refuge facilities and staff residence's needs as requested and approved. All Task Forces will be working on cleaning up refuge debris and downed trees that have fallen on adjacent private properties. The Electrical group will ensure there is airflow in refuge facilities to manage mold issues. The Security team will provide security for refuge resources. Currently, parts of Florida are in what is considered a high fire danger, meaning the weather is conducive for wildland fire. Therefore, two engines, for initial attack, will be staged at Key Deer National Wildlife Refuge Headquarters to provide support, as requested. They will also resupply key deer fresh water sources and prepare maps for firefighter in-briefings.

## **Bureau of Indian Affairs - Maria and Irma Update**

*Source: Bureau of Indian Affairs (BIA) – September 21, 2017*

The Seminole Tribe of Florida is winding down its response operations and transitioning to recovery operations. The Emergency Operations Centers at Big Cypress Reservation and the Hollywood Reservations will remain activated until power issues have been resolved. The National Response Coordination Center Tribal Desk at FEMA HQs is standing down, but coordinators will continue to monitor the recovery efforts of Maria, Irma, Jose, and Harvey.

## **United States Geological Survey - Maria and Irma Update**

*Source: United States Geological Survey (USGS) – September 21, 2017*

The USGS Water Science Center in Puerto Rico reported that their generator fuel was down to a one day supply, which would force them to shut down servers and be unable to distribute

hydrologic data from their streamgauge network if the island. USGS coordinated with the FEMA NRCC to process the request for diesel fuel to avert the potential shut down of operations.

In Florida, 13 personnel were in the field under USGS authorities repairing gages and taking discharge measurements. To date, 162 discharge measurements have been performed in response to Irma.

### **Other Federal and State Government Reporting**

#### **Federal Emergency Management Agency Activation Update**

*Source: U.S. Office of Personnel Management - September 21, 2017*

The U.S. Office of Personnel Management (OPM) has established an emergency leave transfer program (ELTP) that permits federal employees to transfer unused annual leave to employees who are adversely affected by a major disaster. Individuals who wish to donate leave should contact their own agencies for information. Individuals who are adversely affected and wish to become emergency leave recipients must apply in writing to their own agency. See the [ELTP Memorandum for Hurricane Irma](#) and OPM's regulation ([5 CFR Part 630, Subpart K](#)) for more information on donating or receiving leave.

#### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 22, 2017*

FEMA Headquarters:

- National Response Coordination Center (NRCC): Level I (24/7)
- National Watch Center: Steady State
- National Incident Management Assistance Teams (IMATs): East-1 (Florida EOC); East-2 (Puerto Rico Caribbean Area Division)
- Red Incident Support Team at Puerto Rico

Region Response:

- Region I Regional Response Coordination Center (RRCC) at Level III
- Liaison Officers (LNOs) to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to Puerto Rico: Region II IMAT C
- IMATs deployed to the U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1, and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

State/Territory/Local Response:

- Florida, U.S. Virgin Islands, and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Mississippi EOC at Partial Activation
- Tennessee EOC at Monitoring

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 22, 2017:**

There are currently a total of 56 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed = 56					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description:</b> Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.					
<b>Personnel Description:</b> 30 Total - 7 NPS; 1 BIA; 21 FWS; 1 BLM					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	22	8/26/2017
					4332DR-TX-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey					
<b>Personnel Description:</b> 22 personnel in the field today flagging and surveying High Water Marks (HWMs)					
8	NPS	Texas	N/A	2	N/A
<b>Description:</b> Support patient movement, well water sampling, and HHS Operations Center					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description:</b> Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)					
NCR RSF	OEPC	Austin, TX	\$109,700	1	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08

**Description:** Natural and Cultural Resources RSF Field Coordinator deployed and working bureau SMEs in Region and supporting agencies to draft a Mission Scoping Assessment due on September 23.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- ***ESF #5 - USGS:*** In Texas, there were 22 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,292 locations have had HWMs flagged, with over 646 locations surveyed.

#### **ESF #11 (Agriculture and Natural Resources)**

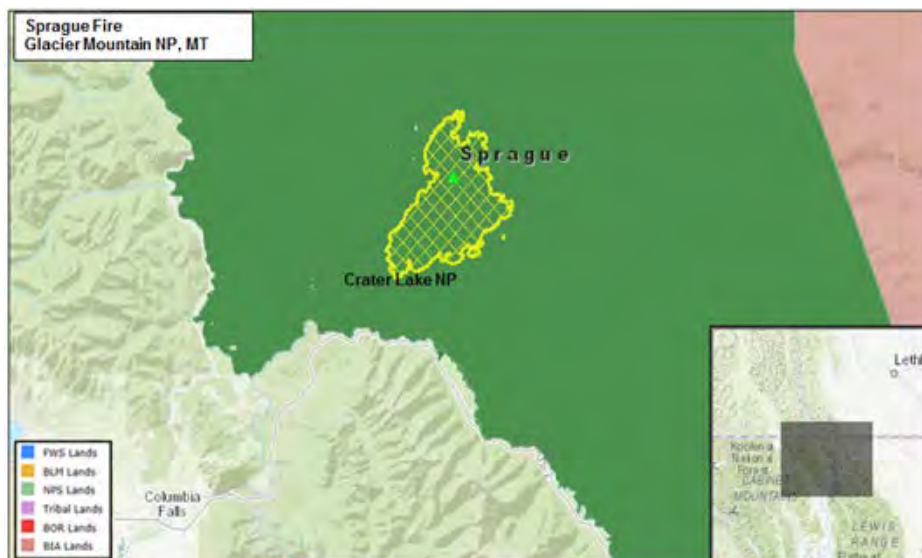
- ***ESF #11 (OPEC):*** An OEPC's Field Coordinator is deployed to the Joint Field Office (JFO) in Austin, TX. The Field Coordinator is working with other federal agencies (U.S. Department of Agriculture National Resources Conservation Service, Environmental Protection Agency, National Oceanic and Atmospheric Administration, FEMA Environmental and Historic Preservation); the Texas Department of Parks and Wildlife, the Texas General Land Office, and the Texas Historical Commission, in developing the Mission Scoping Assessment to identify impacts that will need to be addressed under long term recovery efforts.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 22, 2017*

### **Montana**

#### **Sprague Fire**



*IGEMS Image*

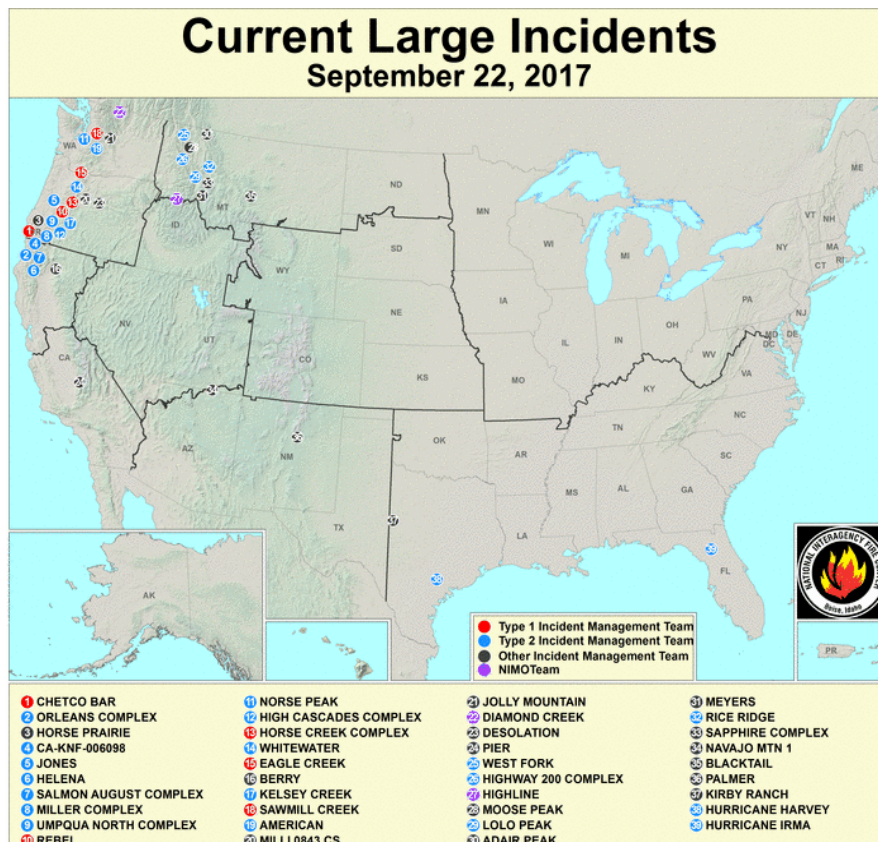
- Start Date: August 10



- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 146 (-17) / 52 (-9)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as moderate during this reporting period with creeping and smoldering. The fire poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. The fire is causing significant economic impacts to park concessions, outfitters, and local residents. The low pressure system which brought extended periods of precipitation will linger through today before moving east. After today, skies will clear and transition into a 7-day period of drying and warming. The Sprague Fire is currently being managed under a combined Monitor (40%), Point Zone Protection (40%), and Confinement (20%) strategy.

### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – September 22, 2017*

### **National Preparedness Level 4**

#### **National Fire Activity**

Initial attack activity:	Light (84 new fires)
New large fires:	2
Large fires contained:	2
Uncontained large fires: **	23
NIMOs committed:	2
Type 1 IMTs committed:	5
Type 2 IMTs committed:	18

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Bogoslof Volcano, and nothing noteworthy was observed in mostly cloudy satellite images during the reporting period. Additionally, no significant activity was detected in seismic or infrasound data from neighboring islands. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 20, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing significant was observed in satellite, seismic, or infrasound data during this reporting period. Web camera views of the summit were obstructed by clouds during the reporting period.

#### **Kīlauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 21, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, and surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the

coastal plain. These lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

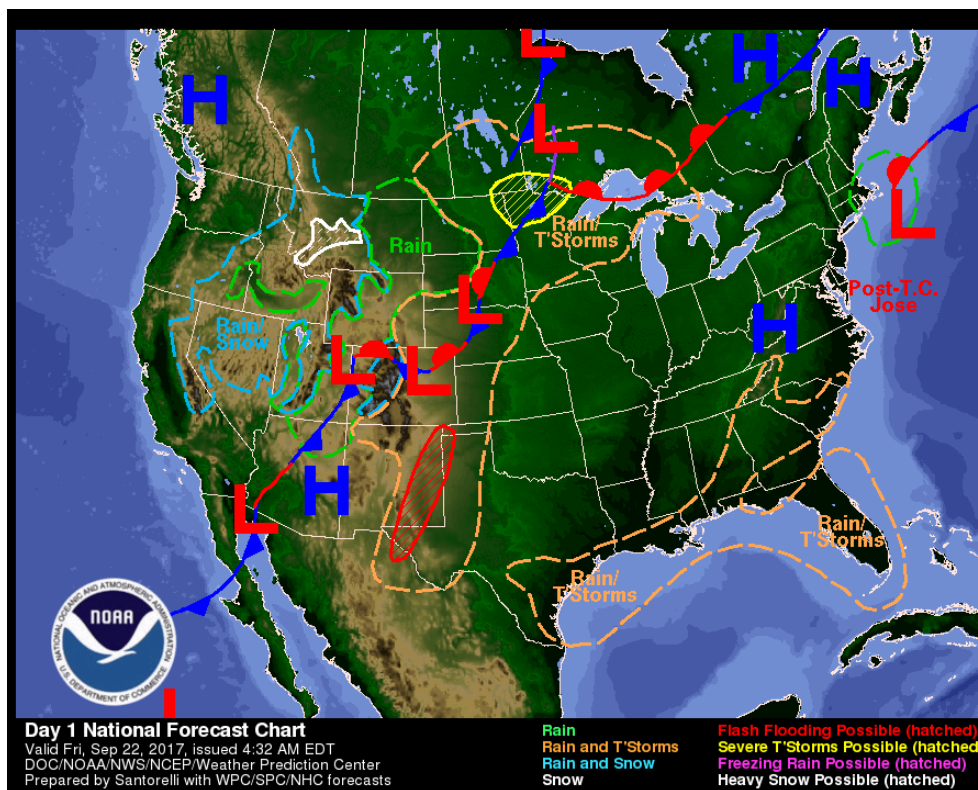
### **Earthquake Activity**

*Source: U.S. Geological Survey - September 22, 2017*

The USGS provided an update to their role for the 7.1 magnitude earthquake that occurred on September 19 in Raboso, Mexico. At this time, the USGS is not sending any staff members to Mexico, however, that may change and updates will be provided as needed. A preliminary landslide forecast and an aftershock forecast was sent to USAID’s Office of Foreign Disaster Assistance. USGS has activated the International Charter “Space and Major Disasters” on behalf of Centro Nacional de Prevención de Desastres (CENAPRED) / Mexico. UNITAR / UNOSTAT will be posted on the Charter Website on behalf of UNOCHA: <http://www.disasterscharter.org/>.

### **Significant National Weather**

*Source: National Weather Service - September 22, 2017*



### **Today**

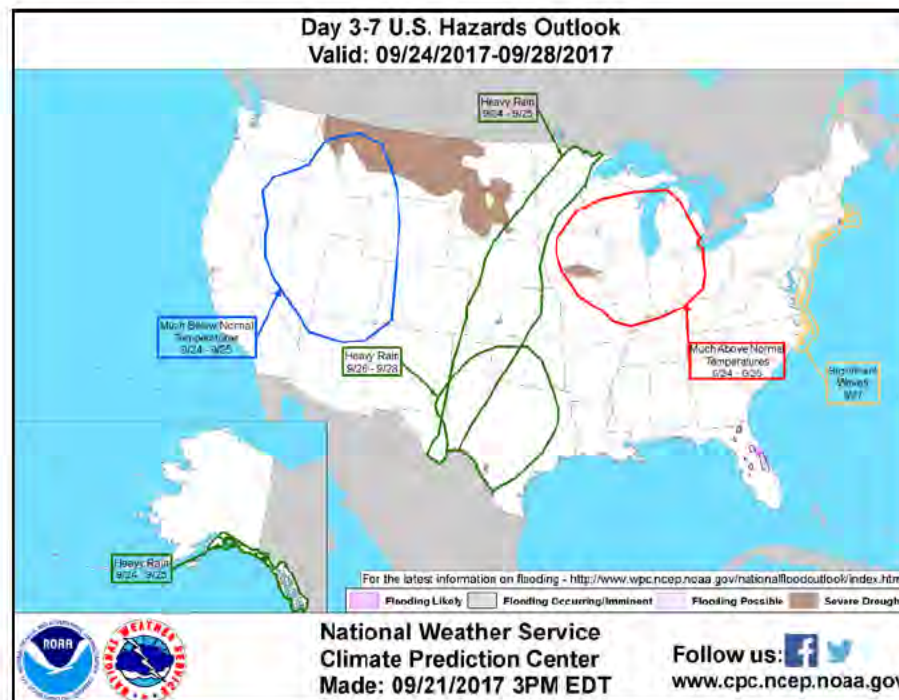
Rainfall from Post-Tropical Cyclone Jose will primarily affect coastal portions of the Northeast, along with elevated surf and hazardous marine conditions. It will also result in increased cloud cover east of the Appalachians. Showers and thunderstorms will develop across portions of the Southeast, Florida, and the Gulf Coastal regions. Rain and thunderstorms are possible from the

upper Midwest southward into the southwestern Plains. Scattered severe thunderstorms are expected across northeast North Dakota into northern Minnesota, mainly during afternoon and into the evening. Isolated severe thunderstorms will also be possible southward into the central and southern High Plains during the afternoon and into the evening. Thunderstorms are expected to produce heavy rain and isolated areas of flooding and flash flooding over portions of eastern New Mexico. Rain and snow will continue for the Rockies, higher elevations of the Great Basin, and the Sierras. Heavy snow is forecast for the mountains of western Montana.

## Tomorrow

Rain and thunderstorms will be scattered across portions of the Deep South, Florida, and the Gulf Coastal regions. Rain and thunderstorms will once again develop from the upper Midwest south to New Mexico and western Texas. Isolated damaging wind gusts are possible from central Nebraska northeastward to central Minnesota Saturday afternoon and evening. A band of heavy rain and flooding or flash flooding will be possible from Minnesota to eastern New Mexico. Rain showers will be possible for parts of the northern Great Plains. Rain and snow will continue over the higher elevations of the central Rockies.

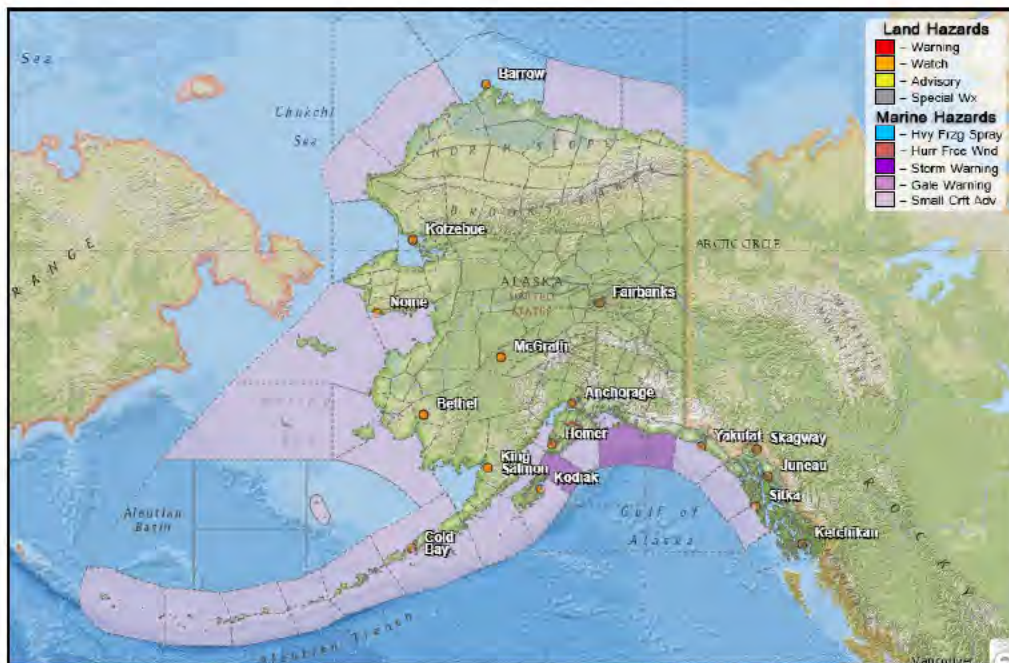
## Weather Hazard Assessment



- September 24-25: Heavy rain across portions of the Great Plains and the upper Mississippi Valley.
- September 24-25: Much above normal temperatures across portions of the middle Mississippi Valley, the Great Lakes, the Ohio Valley, and the upper Mississippi Valley.
- September 24-25: Heavy rain across portions of the southern coast of Alaska and the Alaska Panhandle. September 24-25: Much below normal temperatures across portions of the western U.S.

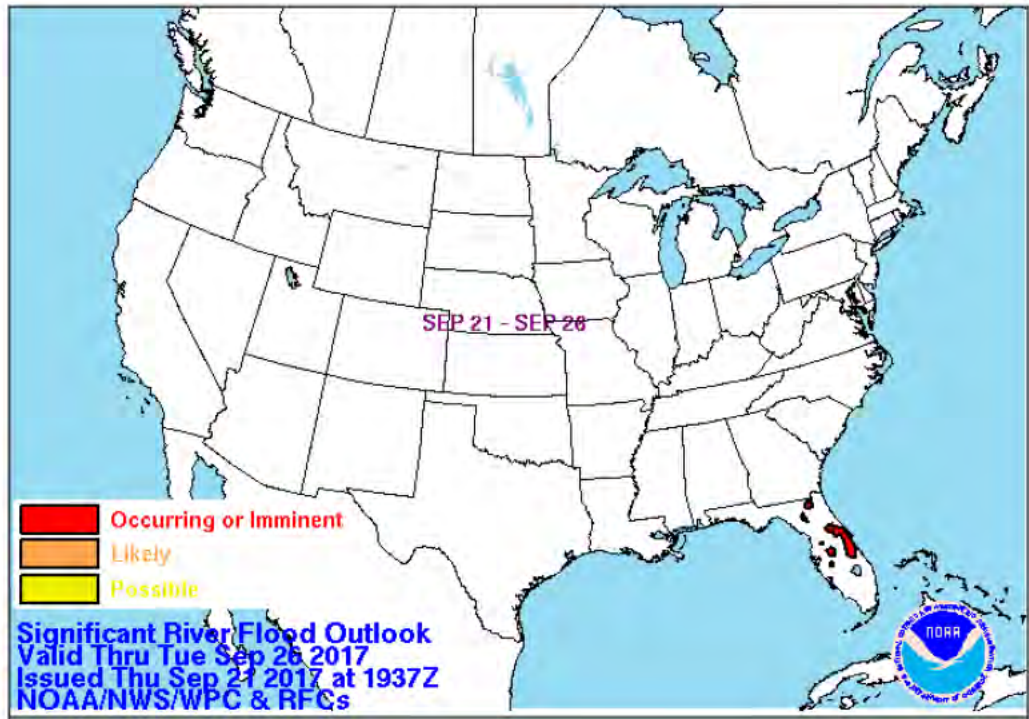
- September 26-28: Heavy rain across portions of the Southern Plains.
- September 27: High significant wave heights for coastal portions of the mid-Atlantic and the Northeast.
- September 29: Flooding likely, occurring, or imminent across portions of the Southeast.
- September 29: Heavy rain across portions of the southern Plains.
- Severe Drought across the central Plains, the northern Plains, Hawaii, the northern Rockies, the middle Mississippi Valley, California, the upper Mississippi Valley, and the southern Plains.

## Alaska Weather



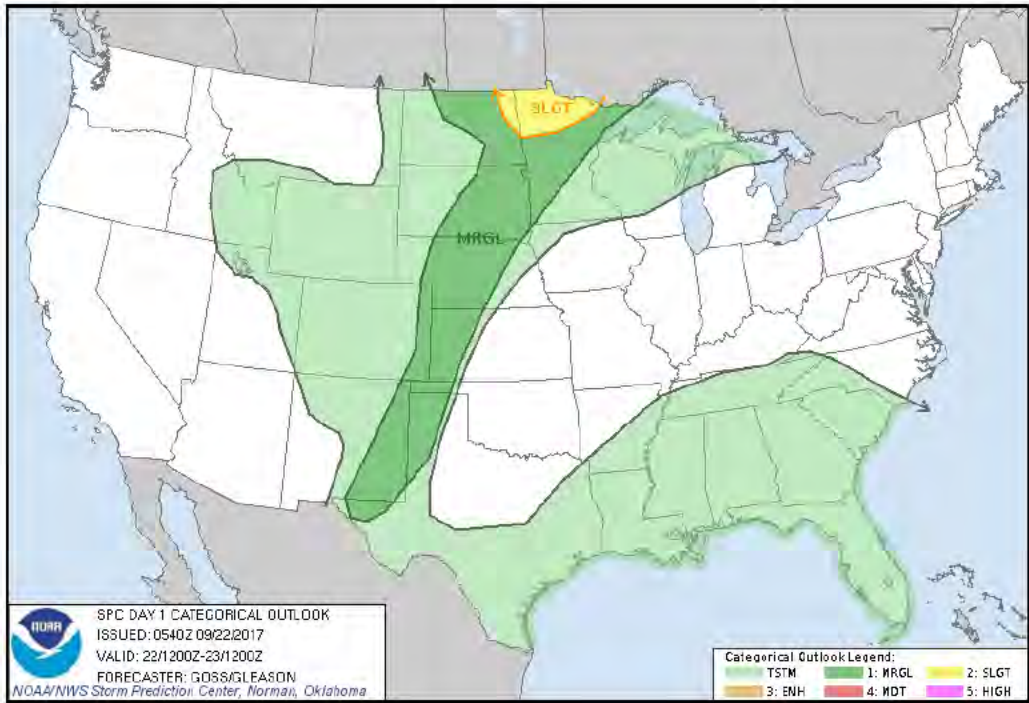
A Gale Warning is in effect in the central Gulf of Alaska for the Barren Islands, and from Cape Cleare to Icy Cape. There is a Small Craft Advisory in effect for the Aleutian Islands and much of the Gulf of Alaska, from Dall Point to the Etolin Strait, the Pribilof Islands, from Cape Thompson to Cape Beaufort, and from Cape Hallett to Demarcation Point.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of Florida.

## Severe Weather

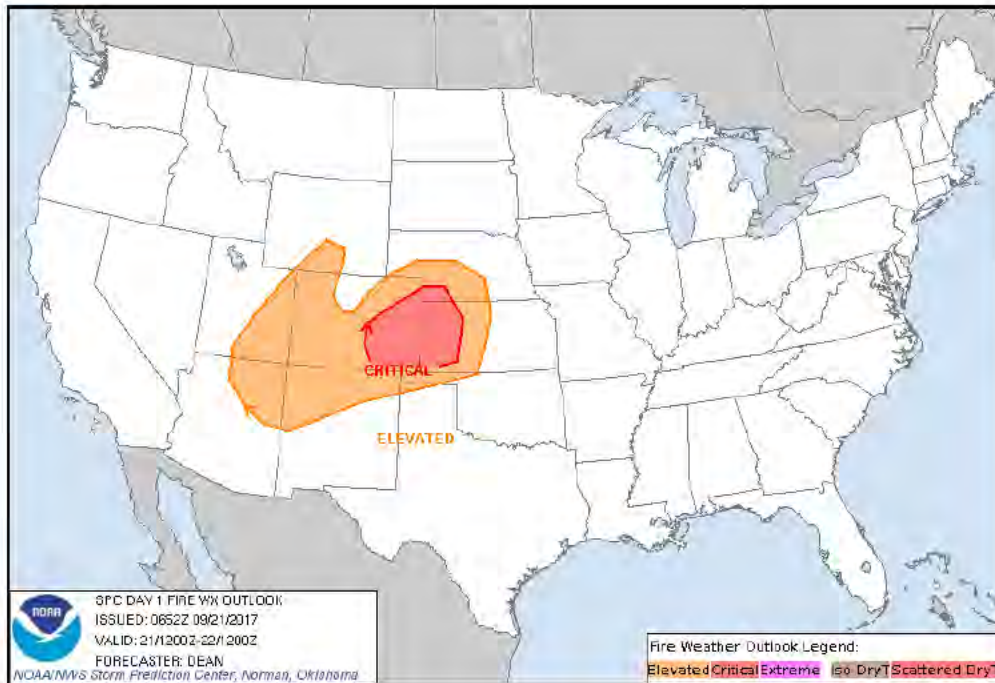


There is a Slight Risk of severe thunderstorm activity today across portions of northeastern North Dakota and northern Minnesota. There is also a Marginal Risk of severe thunderstorm activity surrounding the Slight Risk and extending south-southwestward to eastern New Mexico and far western Texas.

### Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

### Fire Weather

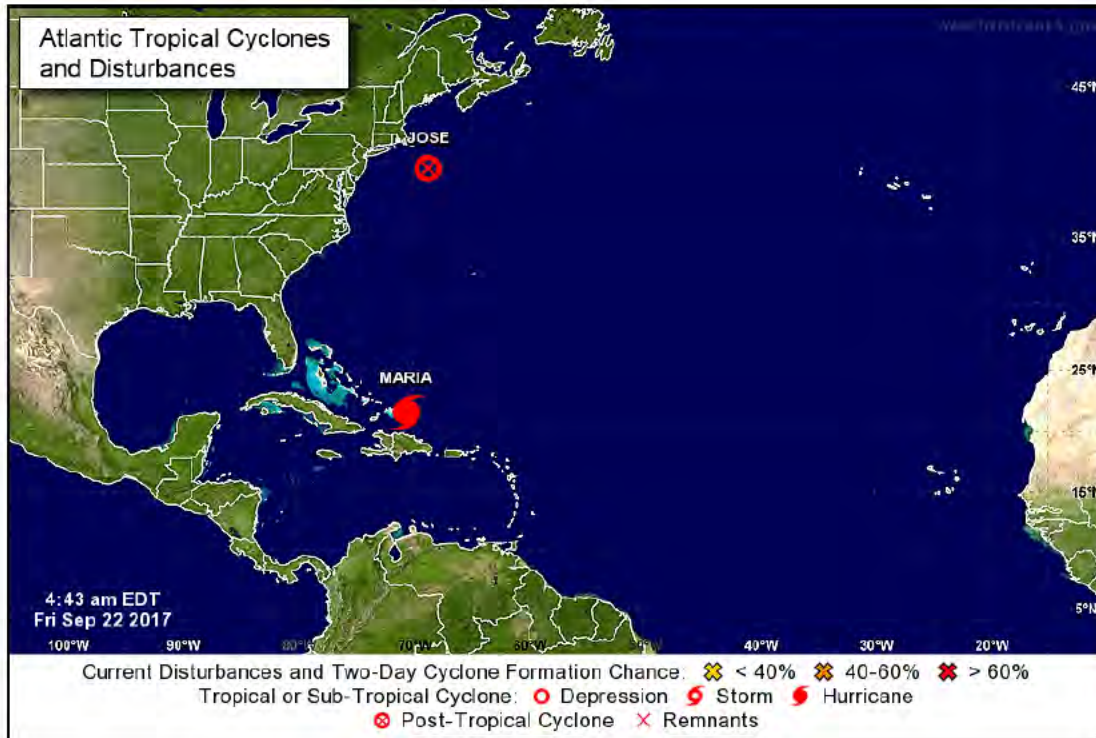


Critical Fire Weather is forecast today for southeastern Colorado, parts of Nebraska, and western Kansas. Elevated Fire Weather is forecast for an area surrounding the Critical Fire area from southwestern Nebraska southwestward into New Mexico.

## **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 22, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

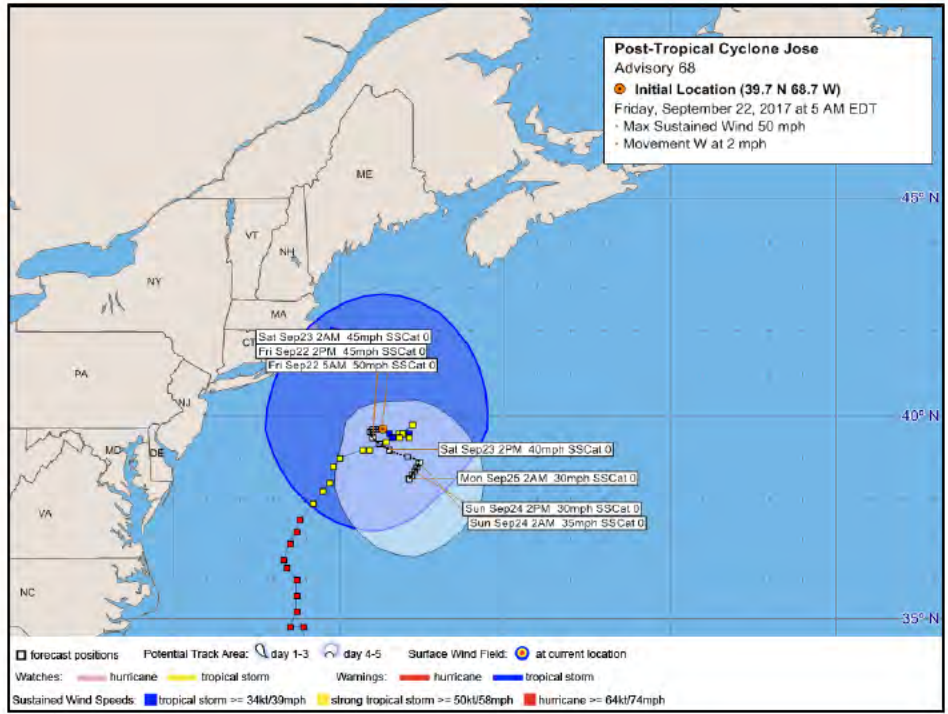


### **Post-Tropical Cyclone Jose**

At 5:00 a.m. EDT, the center of Post-Tropical Cyclone Jose was located approximately 125 miles southeast of Nantucket, Massachusetts, and moving slowly toward the northeast at near 2 mph. Jose is expected to meander off the coast of southeastern New England for the next several days. Maximum sustained winds are near 50 mph, with higher gusts, and gradual weakening is forecast for the next couple of days. A Tropical Storm Warning is in effect for Block Island (Rhode Island), Martha's Vineyard (Massachusetts), Nantucket (Massachusetts), and from Woods Hole to Sagamore Beach, including Cape Cod.

Jose is expected to produce additional rainfall accumulations of up to one inch across Cape Cod and the offshore Islands of Martha's Vineyard and Nantucket through early Saturday. Including rain that has already fallen, storm total accumulations could reach 6 inches on Nantucket. Swells generated by Jose are affecting Bermuda, the Bahamas, and much of the eastern coast of the U.S. These swells are likely to cause dangerous surf and rip current conditions for the next couple of days in these areas.





HURREVAC image

## Hurricane Maria:

Hurricane Maria is summarized in the beginning of this report.

## Eastern Pacific Ocean

### Area 1



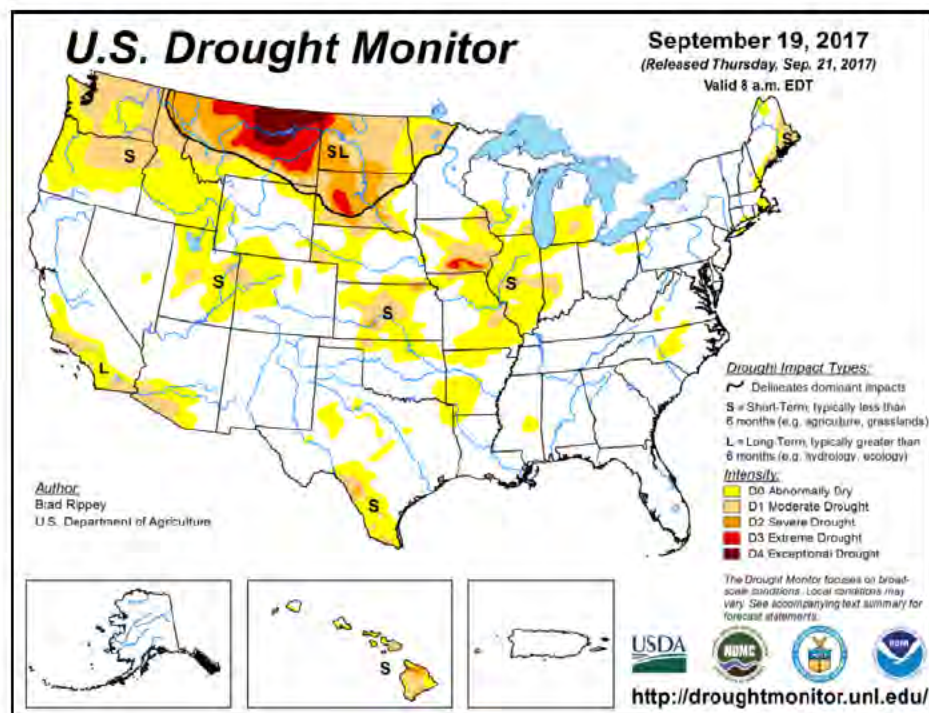
Shower and thunderstorm activity associated with a low pressure system near the southwest coast of Mexico continues to show signs of organization. Environmental conditions are expected to be favorable for additional development, and a tropical depression is likely to form during the next couple of days as the system moves slowly northwestward near the coast. Regardless of tropical cyclone formation, heavy rains are expected over portions of southwestern Mexico during the next several days. This system has a 80-percent chance of developing into a tropical cyclone over the next 48 hours.

**Other News and Notes**

**U.S. Drought Monitor**

Source: National Drought Mitigation Center – September 21, 2017

Despite Hurricane Irma’s significant impact on the Southeast, most of the continental U.S. experienced dry conditions for a few days; however, beginning September 14, two significant storms arrived, resulting in precipitation across the northern Plains and Northwest. Precipitation eventually fell as far south as the Intermountain West and upper Midwest. Several areas of the country did remain mostly dry and continued to see short-term rainfall deficits resulting in portions of the central and southern Plains, mid-South, and lower Midwest, seeing an increase in dryness and drought conditions. There was an abrupt weather-pattern change that provided the northern Plains and Northwest with much needed precipitation, as well as a warming trend in the eastern U.S. and cooler weather across the western U.S.



*\*End of Report\**

**Distribution:**

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, September 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 3**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Hurricane Maria - Atlantic Ocean

### **General Situation**

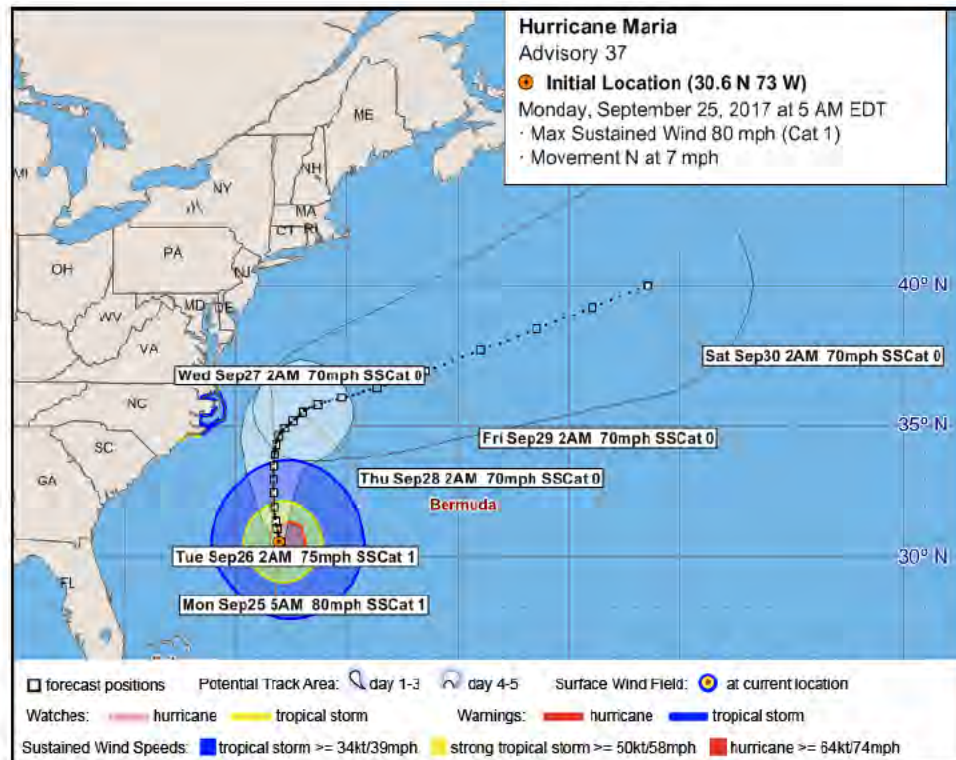
*Source: National Weather Service/National Hurricane Center – September 25, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 350 miles to the south-southeast of Cape Hatteras, North Carolina, and moving to the north at 7 miles per hour (mph). This general motion, with some decrease in forward speed, is expected through Tuesday. On the forecast track, the core of Maria will move well east of the southeastern coast of the United States during the next day or so. Maria is a category 1 hurricane with maximum sustained winds near 80 mph. Additional weakening is forecast during the next 48 hours, and Maria will likely become a tropical storm by Tuesday night. Hurricane-force winds extend outward up to 70 miles from the storm's center, and tropical storm-force winds extend outward up to 230 miles.

A Tropical Storm Warning is in effect from Cape Lookout, North Carolina to Duck, North Carolina. A Tropical Storm Watch is in effect from north of Duck to the Virginia and North Carolina border, and from north of Surf City, North Carolina to south of Cape Lookout. A Storm Surge Watch is in effect from Cape Lookout to Duck. Tropical storm conditions are possible within the warning area beginning Tuesday, and the combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. A storm surge of 2 to 4 feet is possible from Cape Lookout to Duck. Maria

is expected to produce total rainfall accumulations of 1 to 2 inches over the Outer Banks of North Carolina through Wednesday.

Swells generated by Maria are increasing along portions of the southeastern United States coast and Bermuda, and will be increasing along the mid-Atlantic coast today. Swells also continue to affect Puerto Rico, the Virgin Islands, the northern coast of Hispaniola, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.



HURREVAC Image

**DOI Mission Assignments as of September 25, 2017:**

There are a total of 139 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017
					4337DR-FL-DOI-01
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					

9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description: One person from NPS to serve on the FSARCG at FEMA HQ for US&amp;R.</b>					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description: Provide Law Enforcement Support for ESF-8 and ESF-9.</b>					
Teams have participated in several missions. Assisted in several welfare checks and met with community leaders; secured propane for hotel; checked on hotel family members; assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling; secured equipment for sanitation issues; assisted in Toa Baja with flooding situation and rescued local Mayor's secretary; assisted in the recovery of FEMA team whose vehicle was disabled; continued to assess fuel sites.					
DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19 25 - BLM					
DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19 FWS Refuge - 13 BLM - 4 NPS - 4 OIG - 2 OLES - 1					
DOI MARIA QRT 3 : OPERATIONAL SEPTEMBER 23. 13 - BLM 7 - USPP 3 - OLES 2 - NPS 1 - OIG					
DOI MARIA QRT 4 : OPERATIONAL SEPTEMBER 23. 14 - BIA/Tribal					

<b>Total number of DOI Personnel Supporting Irma ESFs: 47</b>					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01

<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	USGS	Georgia Coast	\$135,000	0	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	4	9/7/2017
					SC-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$527,500	12	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	BIA	FL	\$15,000	1	9/13/2017
					MA: 3388EM-FL-DOI-01
<b>Description: BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017</b>					
<b>Personnel Description: One BIA EM person supporting remotely prior to JFO establishment.</b>					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					MA#4337DR-FL-DOI-8
<b>Description: Support ESF #11 position activation at the NRCC.</b>					
Non ESF	DOI Wide	Various	\$700,000	26	9/12/2017
					MA: 4377DR-FL-DOI-03

<b>Description: US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team</b>						
<b>Personnel Description:</b> 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 23 personnel have deployed.						
Non ESF	DOI	GA	\$5,000	1	9/13/2017	
					MA: 4337-FL-DOI-06	
<b>Description: Activate Department of Interior (DOI) to the FEMA RIV Regional Response Coordination Center (RRCC) to support DOI and Tribal matters in response to Hurricane Irma.</b>						
NCR RSF	OEPC	Orlando, FL	\$127,211	1	4337DR-FL-DOI-07	
<b>Description:</b> NCR RSF Field Coordinator is being deployed to Florida JFO on Thursday, September 21.						

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had 12 personnel processing storm surge sensor data and planning for additional high water marks (HWMs) in the Florida Keys and southwestern Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. A total of 129 surge sensors have been retrieved, six sensors have been lost in the storm, 119 sensors have been processed for data, 144 HWMs have been flagged, and an additional 66 HWMs have been surveyed.

**ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** A NPS employee is supporting the Federal Search and Rescue Coordination Group (FSARCG) at FEMA Headquarters. As of September 24, there are no unmet needs for DOI supporting this mission.

**ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** ESF #11 for the Protection of Natural and Cultural Resources and Historic Properties (NCH) is in preliminary coordination with the U.S. Environmental Protection Agency's (EPA's) Office of Water concerning the coral reefs located near the U.S. Virgin Islands. ESF #11 NCH is communicating with the NPS, the USGS, the National Oceanic and Atmospheric Administration (NOAA), and others to begin to identify details and coordination on this



issue. ESF #11 NCH is also coordinating with non-governmental organization (NGO) partners concerning impacts and providing information and assistance to private nonprofit facilities on negotiating the FEMA public assistance program.

## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria and Irma Update**

*Source: National Park Service – September 24, 2017*

The NPS is continuing to support response activities following Hurricane Maria. Priorities remain employee accountability, supporting life saving operations, and supporting life sustaining operations on Puerto Rico, St. John, and St. Croix. Debris remains an issue at the Caribbean parks and is preventing effective travel in those areas. Utilities remain out, and the NPS has implemented fuel rationing to try to extend generator power to facilities for critical systems. Fuel siphoning will take place as needed to support critical systems.

As of September 24, approximately 48 hours of resources remain on the islands, to include food, water, and fuel. Parks are rationing supplies to extend until boats can transport resupply goods. Fuel availability remains a concern. Communications have been a challenge for the last 48 hours, and satellite phones are being utilized to provide check-in communications. There is selective service from AT&T wireless with text and voice cellular service being described as intermittent. In areas where services are up, data has been reliable, but not fast.

The NPS Incident Management Team (IMT) in Florida has finished loading critical supplies from the NPS and the U.S. Fish and Wildlife Service (FWS) to transport to the Caribbean today. The team is confirming final plans for the M/V Fort Jefferson to include ensuring port availability from U.S Coast Guard (USCG) sector San Juan and the FEMA National Response Coordination Center (NRCC) to ensure there are no issues. The trip is estimated to take 78 hours.

The following park updates have been provided by the NPS:

#### Caribbean Parks:

- *Christiansted National Historic Site (CHRI):* The park continues to report 100-percent accountability of personnel.
- *Virgin Islands National Park (VIIS):* The park continues to report 100-percent accountability of personnel. NPS personnel worked most of the day yesterday to prepare a marine vessel to transport personnel and supplies. The mission is to get a 25-person San Juan National Historic Site (SAJU) maintenance crew at St. John back to San Juan and to provide food and water to St. John. The boat did not get released from the harbor yesterday, due to fuel availability, and personnel are working to reschedule the mission for today.

- *San Juan National Historic Site (SAJU)*: The park is reporting that 76 out of 96 employees are accounted for. An analysis was conducted of those staff who have yet to check in, and the majority of the personnel are located on the eastern side of Puerto Rico. There is a targeted effort to relay this information to local authorities. There is a large amount of debris in the area surrounding San Juan, and the park is working to secure an Incident Command Post (ICP) location at the Discovery Center for incoming IMT staff. Local park personnel are being integrated into the IMT structure. The park is reporting that two law enforcement personnel arrived in Puerto Rico yesterday, and 16 additional personnel are expected. A radio repeater in San Juan has been repaired.

#### Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The park remains closed. Power has been restored to the park headquarters building and the park housing at Ochopee. There is some phone service available, but no internet. The need for saw teams at the park continues, and five NPS buildings have some roof and water damage. Tarps have been placed on the damaged roofs. The Critical Incident Stress Management (CISM) team continue to work with employees. A total of 22 employees have requested disaster relief, and employees are continuing to support each other outside of the preserve. Some displaced employees have been placed in preserve housing.
- *Biscayne National Park (BISC)*: The park remains closed, but Adams Key is expected to ready to open this week. Personnel have been removing debris and the damaged boardwalk at Convoy Point, and saw teams continued field work yesterday. Drywall removal at the Education Center is expected to be completed by today.
- *Everglades National Park (EVER)*: The park remains closed, with the exception of the marine districts and airboating in the eastern Everglades. The park is projecting a phased opening of the main park road as early as Wednesday of next week. A sign crew is addressing downed and damaged signs, with the priority work geared towards traffic safety signs along the main park road. Two additional law enforcement officers have been activated for security of the road while local NPS Rangers continue to assess the backcountry. Stabilization crews are working in the Tamiami and Trail Center areas, and maintenance personnel are working on water system issues. The only area of the park without power is the Trail Center. Additional heavy equipment arrived yesterday, and bucket trucks are being utilized to address aerial hazards. Air operations have been suspended due to repeater issues.
- *Dry Tortugas National Park (DRTO)*: The park is planning to open today, but closures have been reestablished at multiple locations, including the Loggerhead Key. Communications remain an issue, and saw crews are continuing efforts to clear areas around the fort.
- *Castillo de San Marcos National Monument (CASA)*: The park is open and awaiting the arrival of an Arborist Incident Response Team for final hazard mitigation. The areas identified as hazardous have been secured to prevent public access.

- *Fort Matanzas National Monument (FOMA)*: The park remains partially closed and is awaiting the arrival of an Arborist Incident Response Team for final hazard mitigation. The Visitor's Center remains closed pending the completion of hazardous tree and limb removal. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to the ferry boats can be completed.
- *Fort Pulaski National Monument (FOPU)*: The park remains closed, and cleanup efforts continue. Sawyers are scheduled to finish completing the removal of downed trees today.
- *Moore's Creek National Battlefield (MOCR)*: The park is currently open, but continues to monitor possible inland flooding conditions and wind impacts this week from Hurricane Maria. No resources are needed at this time.
- *Cape Lookout National Seashore (CALO)*: The park is open and currently has no plans for evacuation. The park is experiencing higher than usual tides, and the majority of beaches are inaccessible since the water reaches the dune line at high tide. Since Jose last week, portions of the ramps and Long Point Cabin Camp have suffered some ocean washover, and the park expects the same with Maria. Cabin renters have been advised to park their vehicles on higher ground. All beach campers are being advised of the conditions and have been strongly encouraged to make alternate plans. Island Express Passenger Ferry Service was scheduled to cease operations from Beaufort and Harkers Island yesterday. All vessels and vehicles that are not necessary for park operations were taken off the islands during Jose and have not yet returned.
- *Cape Hatteras National Seashore (CAHA)*: The park is open, and there are no resources needed at this time. The park has activated the Severe Weather Plan. Ocracoke is only accessible by ferry, and preparations are being made before ferry operations are impacted by winds. The Ocracoke district was expected to have facilities storm ready by close of business yesterday. The Ocracoke campground closed at noon yesterday, and the work status of the 25 employees on Ocracoke will depend on the weather conditions. At this time, there are no evacuation orders for Ocracoke Island (Hyde County) or any Dare County areas. Employees and VIP's in the Bodie Island district will be relocated to the Fort Raleigh Historic Site by noon today.

### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (FWS) - September 24, 2017*

As of September 22, the FWS reported that 37 stations are closed throughout the areas impacted by Hurricanes Irma and Maria, which includes all stations located in the Caribbean. The FWS has accounted for 47 of the 61 personnel in Puerto Rico and the U.S. Virgin Islands (USVI). Power outages and degraded communications continue to cause delays in contacting FWS personnel in the Caribbean.

Confirmation was received on September 24 that the 1A-Life-Saving Mission, coordinated through the DOI FEMA Desk Liaison, was successfully conducted. The air-sling load drop of

meals and water is now aiding in the assistance to the island population of 4,600 in Vieques. A Point of Distribution (POD) has been established at the visitor center area at Vieques National Wildlife Refuge (NWR).

The FWS Incident Management Team (IMT) associated with the Hurricane Irma Response continues wrapping up efforts dealing with mold issues and other final areas of concern, such as electrical tasks that are nearing completion. The demobilization process is well underway, and a total of 29 personnel have been demobilized from the IMT as of September 24. Heavy equipment and other supplies are being routed back to home stations. Two Federal Wildlife Officers will remain to assist with security pending the resumption of regular work schedules for local officers stationed in the area. Two fully staffed wildland fire engines will also remain to provide continued support to the incident.

Status updates on FWS teams:

- *FWS Team #1:* The team comprised of 4 FWS personnel arrived in Puerto Rico on September 22. The team's priority has been employee accountability and welfare checks. The team has been working in the Aguadilla area, and they are working southward towards Cabo Rojo. The team has advised that communications are extremely difficult and require multiple relays between team members to maintain status checks. They continue to emphasize the need for additional food and water in areas that they have been conducting operations. The team is recommending an effort to increase law enforcement personnel on the ground. They also note that the deployment of any rotary winged aircraft would be a great asset in the area of operations.
- *FWS Team #2 and FWS Team #3:* FWS continues to coordinate with the DOI FEMA Desk for teams to be flown down to Puerto Rico on FEMA flights. The deployment of the teams on September 23 was delayed. As of yesterday, FWS teams 2 and 3 have been combined into a single Type-3 IMT consisting of 11 team members. Coordination efforts continue to consider options for deployment of the team to Puerto Rico.

### **United States Geological Survey - Maria and Irma Update**

*Source: United States Geological Survey (USGS) – September 24, 2017*

As of September 24, a total of 23 out of 30 USGS personnel have been accounted for, and USGS Emergency Management has elevated one employee to a search and rescue (SAR) priority through the FEMA NRCC. Employee accountability, the acquisition of fuel for generators, and water and food for staff are the USGS's current priorities. USGS employees have been able to obtain meals ready to eat (MREs) and bottled water. Additionally, USGS personnel were able to obtain fuel at the Convention Center for a government truck. The USGS is working through local Puerto Rico contacts with the NPS and FEMA to meet the fuel, water, and food needs of the Caribbean-Florida Water Science Center (CFWSC).

The USGS is providing streamgage information to the U.S. Army Corps of Engineers (USACE) in support of a potential uncontrolled release of water from the Lago Toa Vaca and the Lago Guayabil in south-central Puerto Rico, northeast of the city of Ponce. At this time, the USACE

is monitoring and coordinating with the USGS and the National Weather Service. There does not appear to be an imminent threat to the dams at this time.

In Florida, four personnel were in the field under USGS authority repairing gages and taking discharge measurements. To date, 162 discharge measurements have been performed in response to Irma.

### **Bureau of Safety and Environmental Enforcement Hurricane Maria Update**

*Source: Bureau of Safety and Environmental Enforcement (BSEE) – September 25, 2017*

BSEE is reporting that they have been able to confirm that their missing employee in Puerto Rico has been accounted for. Communications are limited at this time, but BSEE will attempt to contact the employee each week until the communications are restored.

### **DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management - September 24, 2017*

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group departed to Anniston, Alabama on September 22 to receive four days of training prior to deploying to the field in Texas and Florida. The group is comprised of ten NPS personnel, five Bureau of Land Management (BLM) personnel, three Office of Inspector General (OIG) personnel, two USGS personnel, two Bureau of Ocean Energy Management (BOEM) personnel, and one Bureau of Safety and Environmental Enforcement (BSEE) employee. The Office of Emergency Management is working with FEMA to deploy an additional 27 DOI volunteers by the end of the week.

### **Other Federal and State Government Reporting**

#### **U.S. Department of Defense (DOD) Defense Logistic Agency (DLA)**

*Source: Defense Logistics Agency Liaison to FEMA - September 24, 2017*

The Defense Logistics Agency (DLA) has contracted Foster Fuels to send 100 fuel trucks containing 275,000 gallons of diesel and 75,000 gallons of gasoline to Jacksonville, Florida. The trucks and fuel will be loaded onto a barge departing on September 26 with a planned arrival to Puerto Rico on October 1 or 2.

#### **Federal Emergency Management Agency Situational Update**

*Source: FEMA Senior Leadership Briefing – September 24, 2017*

The following critical infrastructure updates have been provided by FEMA as of September 24 at 5:00 p.m. EDT:

- *Airports:* Two failed generators, serving the San Juan Combined Center/Radar Approach Control, continue to cause a decline in San Juan arrival and departure flights. Personnel are attempting to secure two additional generators. The Transportation Command has

established airfield opening capabilities at St. Croix and St. Thomas, and a Mobile Air Traffic Control Tower is operational in St. Thomas.

- Roads: In Puerto Rico, eight bridges have been reported as damaged, three of which are along major routes. There are no working traffic signals, and numerous road closures are being reported throughout the island. On the U.S. Virgin Islands, numerous routes have been identified as partially closed, with single lane alternating traffic due to debris.
- Communication Systems: In Puerto Rico, cell coverage service is down in San Juan area, and the damaged infrastructure is pending repairs. Some officials and first responders are continuing to use satellite phones for communications. Public Safety Answering Points (PSAPs) in Puerto Rico are operating on generator power. PSAPs on the U.S. Virgin Islands are non-operational, and repairs are being delayed due to the lack of repair equipment. Mobile Emergency Response Support (MERS) teams are being deployed in Puerto Rico and the U.S. Virgin Islands.
- Water: In St. Croix, an EPA Critical Water Assessment Team was scheduled to arrive yesterday to assess water potability. In St. Thomas, potable water service has been restored to the eastern side of the island. There is a two-day emergency water supply on hand.
- Commodities: A total of 346,000 meals were scheduled to arrive in Puerto Rico yesterday, and 168,000 meals and 100,000 liters of water arrived in St. Croix. The SS Wright has docked in St. Thomas with 1,100,000 meals, 27 General Services Administration (GSA) vehicles, and 9,496 hygiene kits.
- Power: Estimates indicate that nearly 100-percent of the customers in Puerto Rico are without power. The Puerto Rico Electric Power Authority (PREPA) will resume normal work operations today, but 20-percent of its workforce will be available to work. In the U.S. Virgin Islands, 99-percent of the customers in St. Thomas are without power, 100-percent of the customers in St. John are without power, and 90-percent of the customers in St. Croix are without power.
- Hospitals: As of yesterday, 23 out of the 69 hospitals in Puerto Rico are in need of fuel. The San Pablo Hospital has been re-energized, and the restoration of power to Centro Medico is expected by tomorrow. In the U.S. Virgin Islands, the Schneider Regional Medical Center has been re-energized, and the Governor Juan F. Luis Hospital has been re-energized.
- Fuel: The Department of Energy, FEMA, the Defense Logistics Agency, and other Federal partners are working to facilitate fuel deliveries across the U.S. Virgin Islands and Puerto Rico for generators at critical facilities and to assist with response efforts.
- Guajataca Dam: The failure of the dam is not imminent at this time, but evacuation orders remain in effect for approximately 70,000 residents. USACE engineers are assessing the dam's condition.

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 25, 2017:**

There are currently a total of 59 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed for Harvey= 59					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
4	Office of Wildland Fire	Beaumont, TX	\$3M	30	8/28/2017
			Subtasked under ESF-4		4332DR-TX-USFS-04
<b>Description: Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.</b>					
<b>Personnel Description: 30 Total - 7 NPS; 1 BIA; 21 FWS; 1 BLM</b>					
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	24	8/26/2017
					4332DR-TX-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 24 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)</b>					

NCR RSF	OEPC	Austin, TX	\$109,700	2	Natural Cultural Resources (NCR) RSF 4332DR- TX_DOI-08
<b>Description: NCR RSF Field Coordinator deployed and working with bureau SMEs in Region and supporting agencies to draft a Mission Scoping Assessment due on September 23.</b>					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- *ESF #5 - USGS:* In Texas, there were 24 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,327 locations have had HWMs flagged, with over 646 locations surveyed.

**Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 24, 2017*

On September 23, the National Multi-Agency Coordination Group (NMAC) lowered the Fire Preparedness Level (PL) to 3. Under PL3, significant wildland fire activity is still occurring in multiple geographic areas, with Incident Management Teams (IMTs) actively engaged. Mobilization of resources through the National Interagency Coordination Center (NICC) is moderate to heavy, and the potential for emerging significant wildland fires is normal for the time of year.

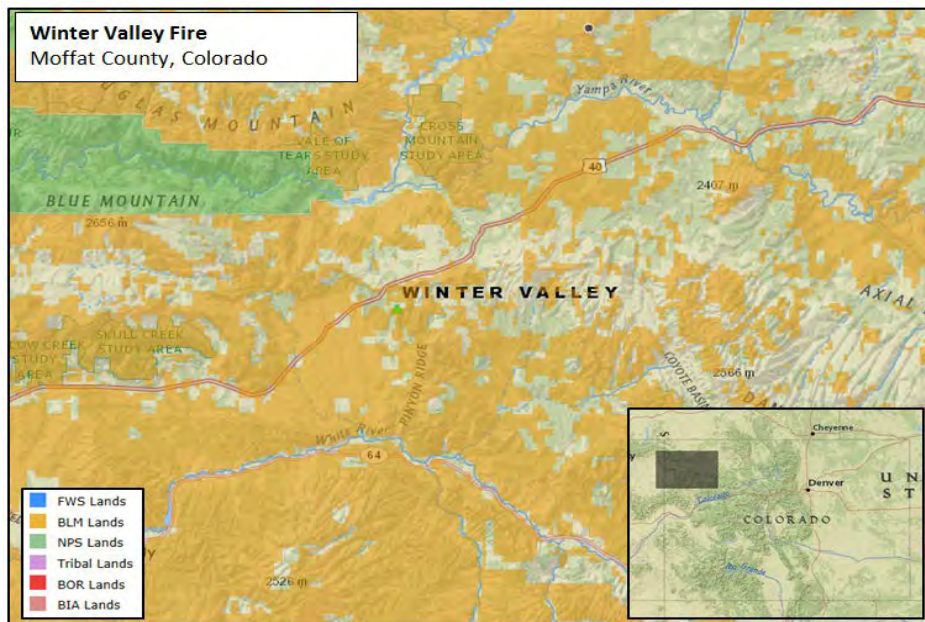
**Colorado**

**Winter Valley Fire (Initial)**

- Start Date: September 21
- Location: Moffat, CO (BLM)
- Burned Acres: 7,785
- Containment: 75-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 25 / 5
- Structures Threatened-Single-Mixed Residential / Commercial: 12 / 1
- Evacuations / Shelter in place: 0 / 0
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: September 30

Comments: Fire behavior was described as minimal during this reporting period. The fire is threatening twelve residences, a Federal Aviation Administration (FAA) radio tower, Sage Grouse habitat, and a major transportation route through northwestern Colorado. Strategy objectives are to provide point protection on structures and to protect life and property. The fire will transition to a Type-4 incident during the next reporting period.





IGEMS Image

## Montana

### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 90 (-56) / 14 (-38)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this reporting period with creeping and smoldering. The fire still poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. On September 22, the evacuation order was lifted and replaced with an evacuation warning and area closures from the southern end of Lake McDonald to Logan Pass, including the North McDonald Road. Point zone protection has been implemented around buildings and historic road corridors, and management is allowing weather to suppress most of the fire. A Type-3 IMT was assigned on September 23.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 25, 2017

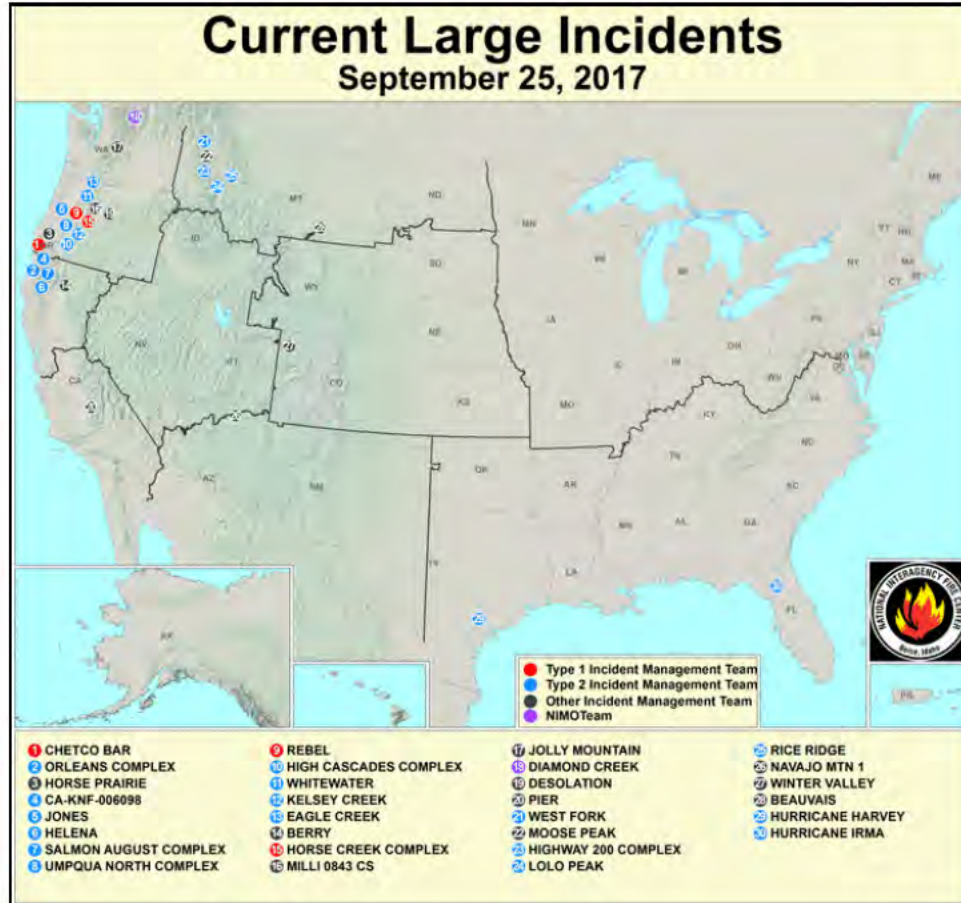
### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (55 new fires)
New large fires:	0
Large fires contained:	1
Uncontained large fires: **	18
Area Command teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	2
Type 2 IMTs committed:	15

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Agung Volcano, Indonesia - Update

Source: *USGS Volcano Disaster Assistance Program (VDAP) – September 22, 2017*

In response to rapidly increasing volcanic seismicity including, a magnitude 3.6 earthquake at the local volcano observatory and the Indonesian Center for Volcanology and Geological Hazard Mitigation (CVGHM) raised the alert level for the Agung Volcano to Level 4 (on a scale of 1 to 4). As a result of this rise in alert level, the exclusion zone around the volcano has been extended in the southeastern, southern, and southwestern sectors.

The VDAP currently has a team of four personnel in Indonesia working closely with CVGHM colleagues to interpret the significance of the changes in the volcano's behavior and to provide an updated forecast on the likelihood of an eruption in the near term. VDAP staff in the United States are preparing a shipment of additional monitoring equipment to be sent to Indonesia in the next few days. Preparations are also underway to send a second VDAP crisis response team to Indonesia in October. This is a rapidly evolving situation and further bulletins will be issued as events warrant.



*Angung Volcano*

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Bogoslof Volcano, but no significant activity was detected in seismic or infrasound data over the past week. Satellite observations show no significant changes or signs of eruptive activity; however, elevated surface temperatures were observed on three separate days, indicating ongoing unrest. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing of any volcanological significance was observed in satellite data during this reporting period. Steaming at the summit crater was observed in camera views yesterday, but no significant activity has been detected in seismic or infrasound data.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 24, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at the summit and from the Pu'u 'Ō'ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. A short-lived breakout on the cliff above the ocean entry delta that produced a brief episode of firehose lava activity during the last reporting period has reportedly subsided. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

## Earthquake Activity

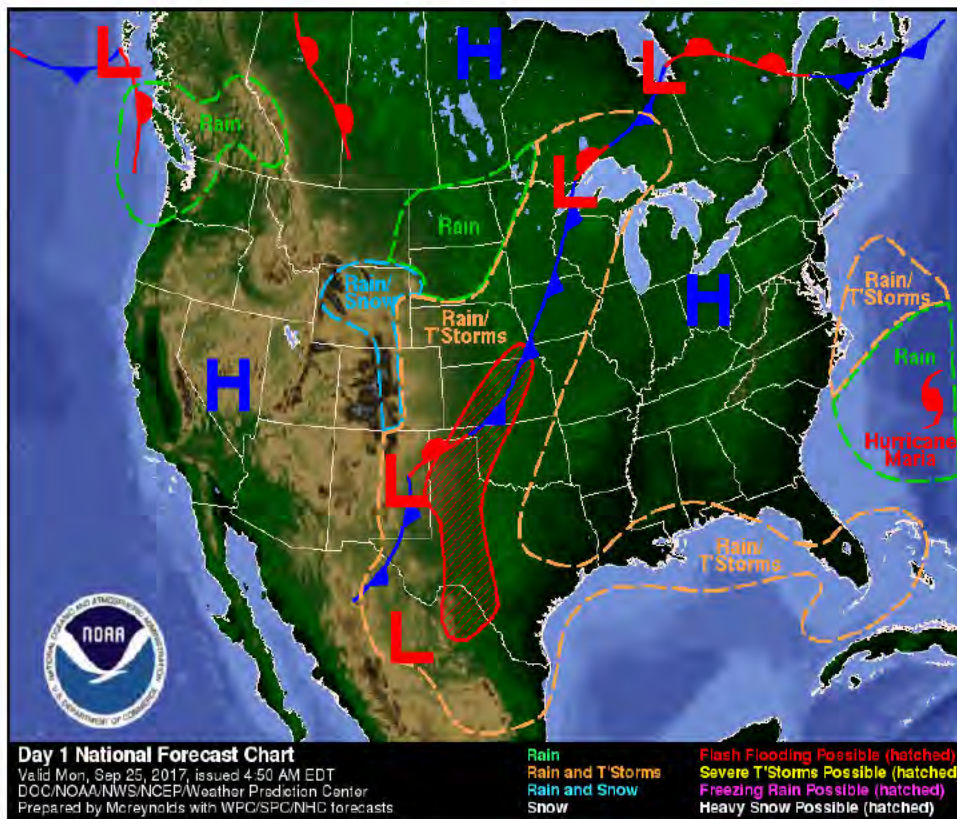
Source: U.S. Geological Survey - September 22-23, 2017

The USGS reported that a magnitude 5.7 earthquake occurred on September 22 at 3:50 p.m. EDT, approximately 135 miles off the coast of northern California at depth of 9 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 6.1 earthquake occurred on September 23 at 8:53 a.m. EDT, approximately 4 miles northwest of Lázaro Cárdenasm, Mexico at a depth of 5 miles. A Yellow PAGER Alert was issued for shaking-related fatalities and economic losses, indicating that casualties and damages were possible. There was no tsunami threat associated with this event.

## Significant National Weather

Source: National Weather Service - September 25, 2017



## Today

Hurricane Maria is forecast to track near parts of the east coast over the next few days. Current indications suggest this storm may come within 200 miles of North Carolina's Outer Banks

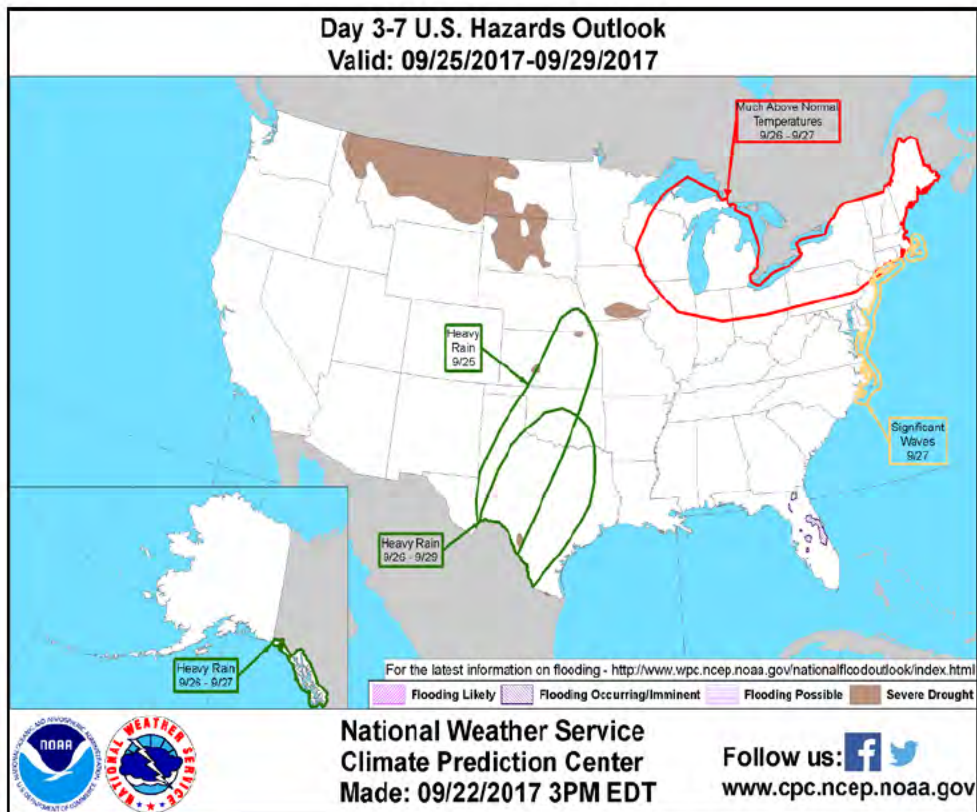
before heading out to sea on Thursday. A front approaching from the west will steer the storm eastward. Expect rough surf and high seas for the Southeast and the mid-Atlantic coasts, along with increasing cloudiness and gusty winds. Scattered showers and thunderstorms will extend from south Florida west along most of the Gulf coastal region to south Texas. A strong, slow moving cold front with multiple waves of low pressure developing along it will span from the upper Great Lakes to Texas. Given the slow moving nature of this frontal boundary, episodes of heavy rainfall may lead to some flooding issues from Texas to the upper Midwest. The greatest threat of flooding is expected across western Texas, where deep moisture streaming northward from Tropical Storm Pilar in the eastern Pacific will contribute to heavier rainfall amounts, with amounts possibly in excess of 5 inches over the next several days. Rain showers possible across the Dakotas. Rain and snow likely for the higher elevations of the central Rockies. Rain will develop over the western portions of Washington ahead of an approaching weather system.

### **Tomorrow**

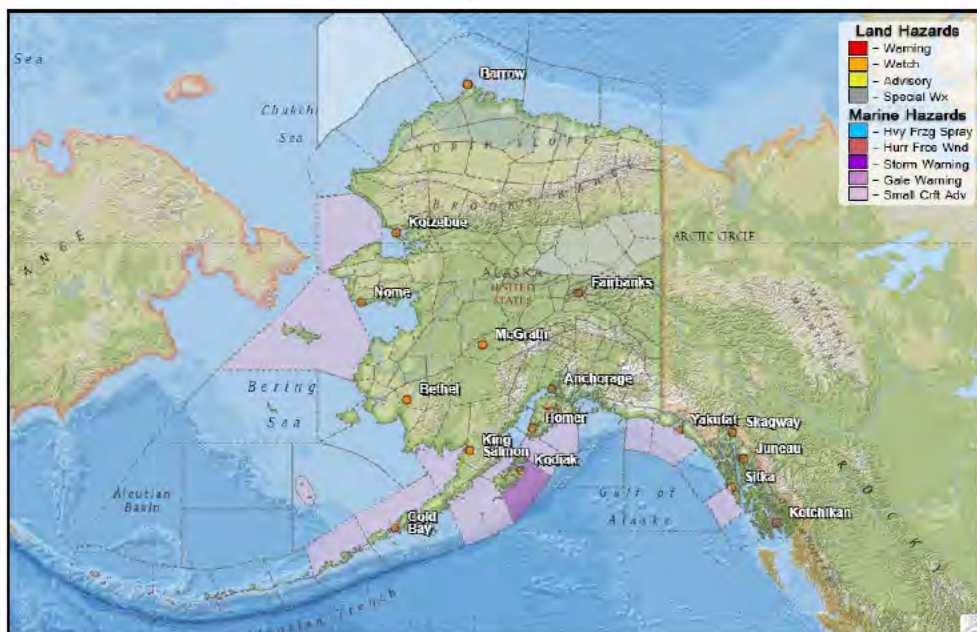
Hurricane Maria will continue to move north tomorrow, several hundred miles east of the Outer Banks of North Carolina. Showers and thunderstorms will be possible from Cape Cod to the coast of North Carolina. Rough surf and high seas will continue for portions of the East Coast. Scattered rain and thunderstorms are possible for northern New England, southern Florida, and the central Gulf Coastal region. Rain and thunderstorms will develop from the Great Lakes to Texas and portions of the Four Corners region, and heavy rain and flash flooding will continue from western Oklahoma into western Texas. Rain is possible for parts of the northern High Plains, and rain and snow are possible for the central Rockies and the mountains of western Montana. Elsewhere, high pressure will produce dry and fair weather for the western third of the nation.

### **Weather Hazard Assessment**

- September 25: Heavy rain across portions of the central Plains and the southern Plains.
- September 26-29: Heavy rain across portions of the southern Plains.
- September 26-27: Heavy rain across portions of the Alaska Panhandle.
- September 26-27: Much above normal temperatures across portions of the Northeast, the central Appalachians, the mid-Atlantic, the upper Mississippi Valley, the Great Lakes, and the Ohio Valley.
- September 27: High significant wave heights for coastal portions of the mid-Atlantic and the Northeast.

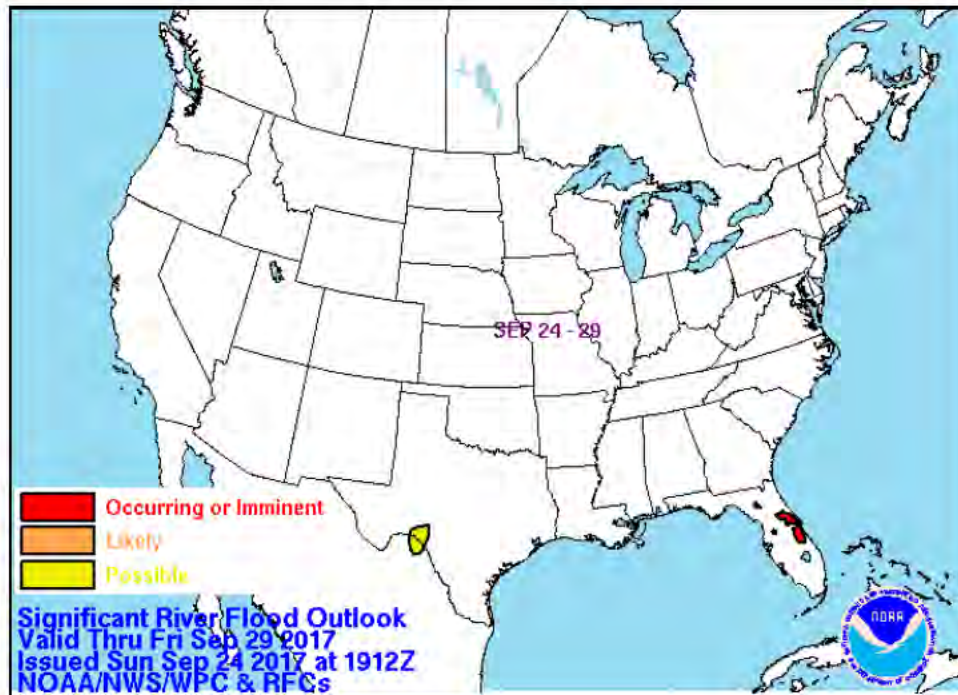


### Alaska Weather



A Gale Warning is in effect from Shuyak Island to Sitkinak. There is a Small Craft Advisory in effect for the eastern Aleutian Islands, most of the Gulf of Alaska, the Bristol Bay, the Pribilof Islands, St. Lawrence Island, and from Dall Point to Cape Thompson.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central and northern Florida. Significant river flooding is possible in the Big Bend region of Texas.

## Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

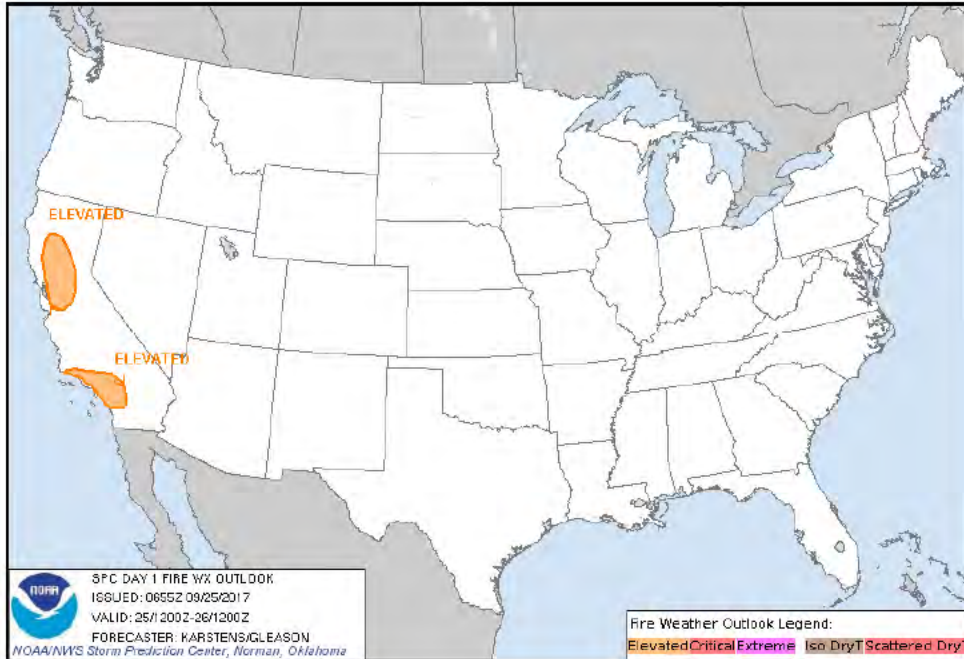
## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather is forecast for portions of California.

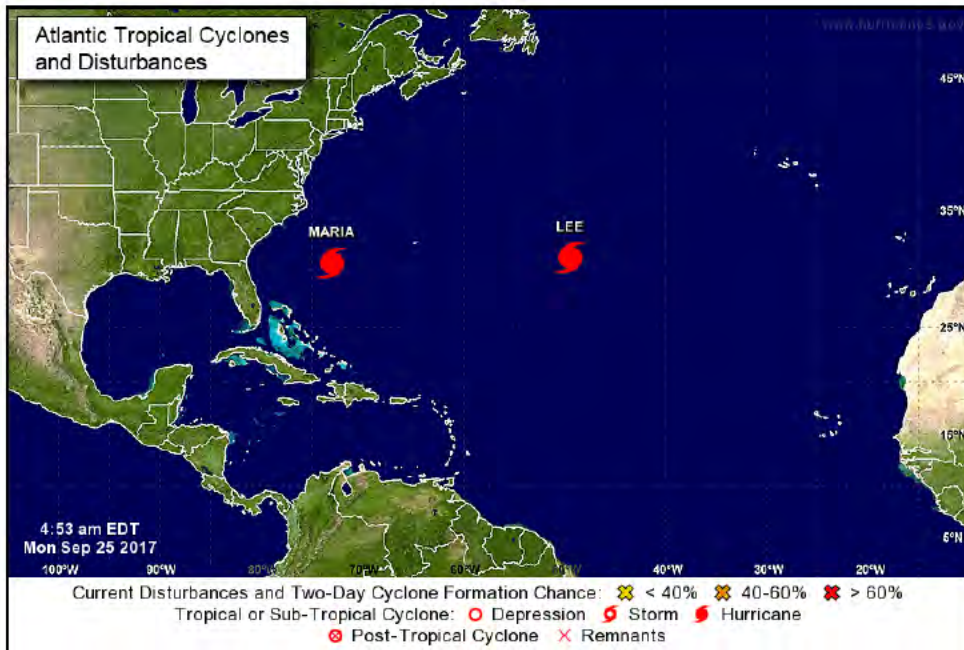




**Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 25, 2017

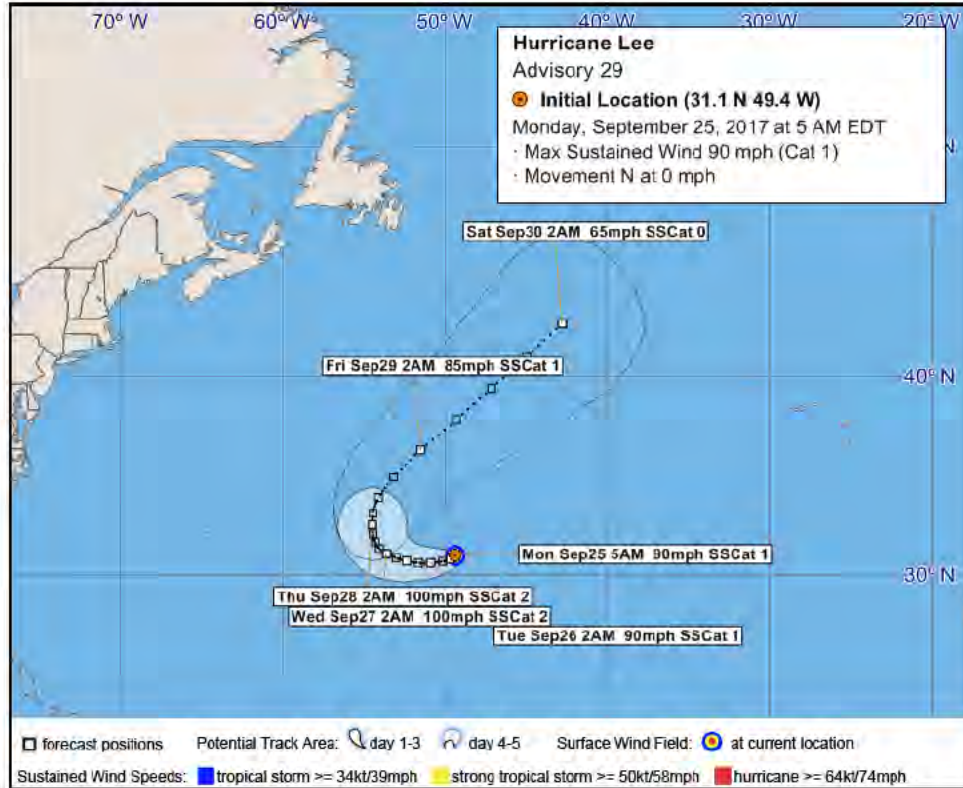
**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Hurricane Maria:**

Hurricane Maria is summarized in the beginning of this report.

## Hurricane Lee:

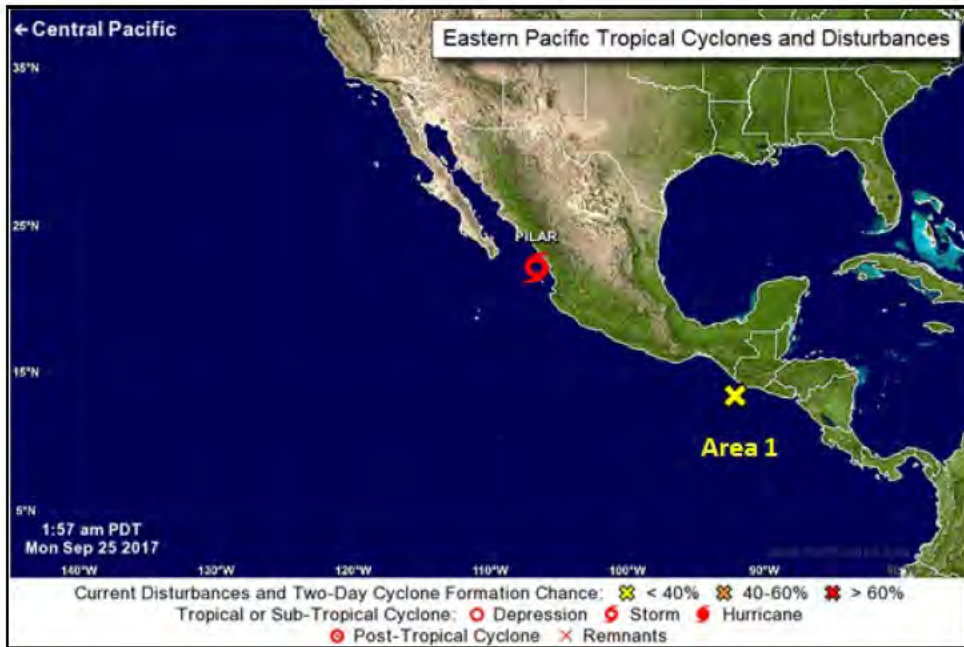


HURREVAC Image

At 5:00 a.m. EDT, Hurricane Lee was located approximately 910 miles to the east of Bermuda. Lee is currently stationary, but a slow west-southwestern to western motion is expected later today. Maximum sustained winds are 90 mph, and little change in strength is expected during the next 48 hours. There are no coastal watches or warnings in effect at this time.

## Eastern Pacific Ocean

**Area 1:** A broad area of low pressure located about 100 miles south of the border of Guatemala and Mexico continues to produce disorganized showers and thunderstorms. Some development of this system is possible during the next couple of days while it meanders just off the coast. This system has a 30-percent chance of developing into a tropical cyclone over the next 48 hours.



## Tropical Storm Pilar



*HURREVAC Image*

At 5:00 a.m. EDT, Tropical Storm Pilar was located approximately 50 miles to the north-northwest of Las Islas Marias, Mexico, and moving to the north-northwest at 9 mph. A slower northward or north-northwestward motion is expected during the next day or two. On the

forecast track, the center of Pilar will likely move along the coast of the Mexican states of Nayarit and Sinaloa during the next 48 hours. The storm is producing maximum sustained winds of 40 mph, and Pilar is expected to weaken into a tropical depression today and dissipate tomorrow. A Tropical Storm Warning is in effect for coastal portions of central Mexico.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, September 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 3**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Hurricane Maria - Atlantic Ocean

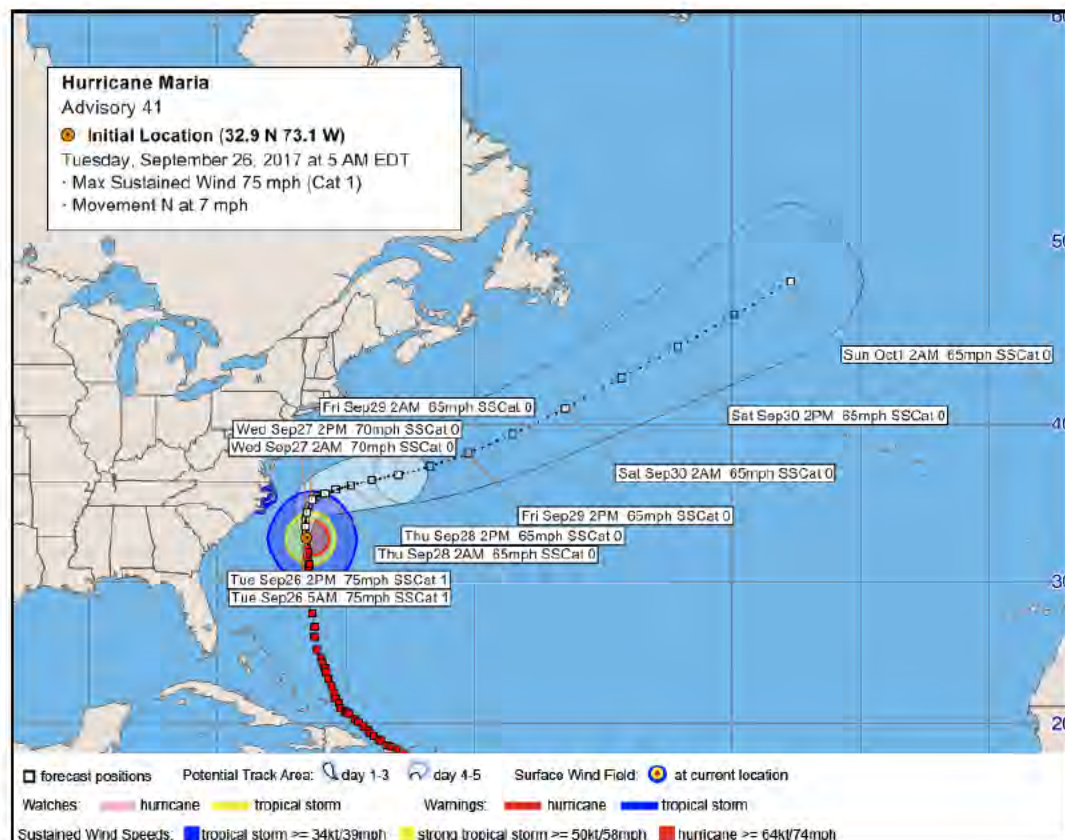
### **General Situation**

*Source: National Weather Service/National Hurricane Center – September 26, 2017*

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 210 miles to the southeast of Cape Hatteras, North Carolina, and moving to the north at 7 miles per hour (mph). This general motion, with some decrease in forward speed, is expected through tonight. A turn toward the north-northeast is expected tomorrow. The center of Maria will pass the east coast of North Carolina during the next 48 hours. Maximum sustained winds are near 75 mph, with higher gusts. Gradual weakening is forecast during the next 48 hours, and Maria will likely become a tropical storm tonight or Wednesday. Hurricane-force winds extend outward up to 105 miles from the storm's center, and tropical storm-force winds extend outward up to 240 miles.

A Tropical Storm Warning is in effect for the Bogue Inlet to the North Carolina and Virginia borders, and the Albemarle and Pamlico Sounds. A Storm Surge Watch is in effect from Cape Lookout to Duck, North Carolina. Tropical storm conditions are possible within the warning area beginning later today, and the combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. A storm surge of 2 to 4 feet is possible from Cape Lookout to Duck. Maria is expected to produce total rainfall accumulations of 1 to 2 inches over the Outer Banks of North Carolina through Wednesday.

Swells generated by Maria are affecting much of the east coast of the United States from Florida through southern New England. These swells are also affecting Bermuda, Puerto Rico, the northern coast of Hispaniola, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.



HURREVAC Image

**DOI Mission Assignments as of September 26, 2017:**

There are a total of 135 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017
					4337DR-FL-DOI-01
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					

9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description: One person from NPS to serve on the FSARCG at FEMA HQ for US&amp;R.</b>					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description: Provide Law Enforcement Support for ESF-8 and ESF-9.</b>					
Teams have participated in several missions. Assisted in several welfare checks and met with community leaders; secured propane for hotel; checked on hotel family members; assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling; secured equipment for sanitation issues; assisted in Toa Baja with flooding situation and rescued local Mayor's secretary; assisted in the recovery of FEMA team whose vehicle was disabled; continued to assess fuel sites.					
DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19 25 - BLM					
DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19 FWS Refuge - 13 BLM - 4 NPS - 4 OIG - 2 OLES - 1					
DOI MARIA QRT 3 : OPERATIONAL SEPTEMBER 23. 13 - BLM 7 - USPP 3 - OLES 2 - NPS 1 - OIG					
DOI MARIA QRT 4 : OPERATIONAL SEPTEMBER 23. 14 - BIA/Tribal					

<b>Total number of DOI Personnel Supporting Irma ESFs: 43</b>					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01

<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	USGS	Georgia Coast	\$135,000	1	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	3	9/7/2017
					SC-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$527,500	8	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	BIA	FL	\$15,000	1	9/13/2017
					MA: 3388EM-FL-DOI-01
<b>Description: BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017</b>					
<b>Personnel Description: One BIA EM person supporting remotely prior to JFO establishment.</b>					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					MA#4337DR-FL-DOI-8
<b>Description: Support ESF #11 position activation at the NRCC.</b>					
Non ESF	DOI Wide	Various	\$700,000	26	9/12/2017
					MA: 4377DR-FL-DOI-03



<b>Description: US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team</b>					
<b>Personnel Description:</b> 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 23 personnel have deployed.					
Non ESF	DOI	GA	\$5,000	1	9/13/2017 MA: 4337-FL-DOI-06
<b>Description: Activate Department of Interior (DOI) to the FEMA RIV Regional Response Coordination Center (RRCC) to support DOI and Tribal matters in response to Hurricane Irma.</b>					
NCR RSF	OEPC	Orlando, FL	\$127,211	1	4337DR-FL-DOI-07
<b>Description:</b> Natural and Cultural Resources Recovery Support Function (NCR RSF) Field Coordinator was deployed to the Florida JFO on Thursday, September 21. An additional Field Coordinator will be deployed later this week (week of 9/25) also to the Florida JFO.					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had eight personnel processing storm surge sensor data and planning for additional high water marks (HWMs) in the Florida Keys and southwestern Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. A total of 175 HWMs have been flagged and 115 HWMs have been surveyed. A total of 25 HWMs have been flagged in Puerto Rico under MA PR-17090102-USGS-01. Four additional USGS personnel (3 in South Carolina and 1 in Georgia) are processing storm surge data under MAs.

**ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** A NPS employee is supporting the Federal Search and Rescue Coordination Group (FSARCG) at FEMA Headquarters. As of September 25, there are no unmet needs for DOI supporting this mission.

**ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** ESF #11 NCH communicated with the NPS Grants Division on communicating with the State Historic Preservation Officers (SHPOs) on Puerto Rico and the U.S. Virgin Islands. NPS interacts routinely with the SHPOs. ESF #11 NCH is working with a variety of NGO organizations to understand the impact and likely critical issues facing cultural resources

that require a timely response. ESF #11 NCH is also trying to reach out to natural resource agencies (including Puerto Rico's Department of Natural and Environmental Resources) to begin to identify impacts to natural resources.

### **Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- NCR RSF - OEPC: OEPC deployed a Field Coordinator to the Joint Field Office (JFO) in Orlando on Thursday, September 21. The Field Coordinator will begin working with other federal agencies and the state in developing the Mission Scoping Assessment to identify impacts. OEPC will be deploying another Field Coordinator to the JFO later this week.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Maria and Irma Update**

*Source: National Park Service – September 25, 2017*

The NPS is continuing to support response activities following Hurricane Maria. Priorities remain employee accountability, supporting life saving operations, and supporting life sustaining operations on Puerto Rico, St. John, and St. Croix. Fuel and power remain limiting factors. San Juan is working on a single generator with an estimated 72 hours of fuel remaining. The generator at St. John remains down, and security at all sites is becoming increasingly challenging. The fort in San Juan has seen several looting attempts.

The M/V Caneel Bay Mary II was dispatched from St. John to Puerto Del Ray with 25 staff who were sheltered on St. John and returning to Puerto Rico. The return trip is scheduled to have life-sustaining commodities with one pallet each of food (576 meals) and water (1,004 liters) for staff who remain on St. John.

The M/V Fort Jefferson departed the Florida Keys yesterday embarking on a 76-hour trip towards the Port of San Juan. The NPS has received hailing instructions from the U.S. Coast Guard (USCG) when they arrive in the area on or about September 29. The ship will be tracked via satellite from the Everglades Dispatch Center. The fuel plan remains flexible, though the priority is to receive fuel in port at San Juan at the USCG, but realizing that options may be limited, have identified a fueling location in the Dominican Republic, if necessary. There are approximately 24 tons of supplies aboard the Fort Jefferson to support life-sustaining in the Caribbean for DOI employees.

The NPS Incident Management Team (IMT) in Florida will be supplemented by the Intermountain Region beginning today with a transition of command scheduled for September 28. The team will remain active supporting Irma stabilization operations and continue to provide logistical, planning, and administrative support to the Caribbean team.

The following park updates have been provided by the NPS:

Caribbean Parks:

- *Christiansted National Historic Site (CHRI)*: The park continues to report 100-percent accountability of personnel.
- *Virgin Islands National Park (VIIS)*: The park continues to report 100-percent accountability of personnel.
- *San Juan National Historic Site (SAJU)*: The park is reporting that 94 out of 96 employees are accounted for. The Caribbean Incident Management Team has moved their command post to the discovery center at the San Juan National Historic Site. Approximately 1/3 of employees in San Juan reported to work today to assist with stabilization efforts. A Spanish speaking Critical Incident Stress Management (CISM) team member arrived in Puerto Rico to assist employees in San Juan.

#### Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The park remains closed. Power has been restored to the park headquarters building and the park housing at Ochopee. Internet service has been restored, but phone service is limited. The need for saw teams at the park continues, and five NPS buildings have some roof and water damage. Tarps have been placed on the damaged roofs. The CISM team continue to work with employees. Several employees, including some of the law enforcement rangers providing assistance, have suffered significant losses to personal homes and property. They continue to support each other outside of the preserve.
- *Biscayne National Park (BISC)*: The mainland portion of the park remains closed, but Boca Chita Key is open. Currently, there have been approximately 160 ranger contacts made on Boca Chita Key. Housing repairs and Sawyer work continues on Adams Key. A large portion of the damaged boardwalk of Convoy Point has been cleared of debris, and a crane was scheduled to remove a piece of the dock that had been washed ashore.
- *Everglades National Park (EVER)*: The park remains closed while cleanup and stabilization efforts continue. Park marine waters are open with a posted Notice to Mariners, and commercial airboat tours are open. Private airboat access is permitted in the eastern Everglades.
- *Dry Tortugas National Park (DRTO)*: The park is open with partial closures inside Fort Jefferson. The park has limited emergency response capabilities. Park lands, including all areas at Garden key and Loggerhead Key, remain closed to the public.
- *Castillo de San Marcos National Monument (CASA)*: The park is open and awaiting the arrival of an Arborist Incident Response (AIR) Team for final hazard mitigation. The areas identified as hazardous have been secured to prevent public access.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open pending completion of hazard limb and tree removal from the AIR Team for final hazard mitigation. The Visitor's Center remains closed. Beach and island areas of the park are

open to the public, but the fort will remain inaccessible to the public until repairs to the ferry boats can be completed.

- Fort Pulaski National Monument (FOPU): The park remains closed, and stabilization efforts continue at the Fort and the Visitor Center. Park trails that still require assistance are being clearly marked with closure information which will remain closed due to hazards. A firm reopening date will be established upon delivery of the new water tank.
- Moore's Creek National Battlefield (MOCR): The park is open and operating under normal conditions.
- Cape Lookout National Seashore (CALO): The park is partially open and has no need for additional resources at this time. The park's Storm plan evacuation protocols were activated yesterday due to county-issued Tropical Storm and Surge warnings. Camper evacuations from islands were initiated, and evacuations from the North and South Core Banks were completed by 6:00 p.m. EDT last evening. The Harkers Island Visitor Center and headquarters will remain open for employees to report for work, but island operations will be closed until September 28.
- Cape Hatteras National Seashore (CAHA): The park is closed and all severe weather preparations are completed. Employees of Fort Raleigh National Historic Site and Wright Brothers National Memorial are prepared to close, but employees at these areas may report to work, if conditions allow. All facilities are expected to be closed until September 28.

### **Fish & Wildlife Service - Maria and Irma Update**

Source: U.S. Fish & Wildlife Service (USFWS) - September 25, 2017

As of September 25, the USFWS has accounted for 57 of the 61 USFWS personnel in Puerto Rico and the U.S. Virgin Islands.

- FWS Team #1 (4 USFWS personnel): has been moving and conducting employee accountability and welfare checks from Aguadilla to Cabo Rojo, and plan to begin working eastward from their current location. This work has been critical in locating staff that had not been accounted for and providing real time intelligence to others working similar missions on this incident. This team has reported daily of the need for additional law enforcement officer (LEO) resources, as well as food and water to be distributed to affected employees that they have made contact with.
- The Puerto Rican Parrot Aviary was finally reached by search crews yesterday. A local municipality was successful in using saw crews to open a secondary route that enabled Service staff to reach the facility and staff. All staff and the Puerto Parrots housed at the facility are reported to be in satisfactory condition. The primary facility structures received damage, but are functional, as well as stationed vehicles and heavy equipment. The cages for the aviary have suffered catastrophic damage and are not functional. The area also remains without power and communications.

- USFWS continues to coordinate with the DOI FEMA Desk for teams to be flown to Puerto Rico on FEMA flights. Efforts to deploy teams the last several days has been problematic.
- USFWS OLE has plans to mobilize and deploy two additional agents to Puerto Rico via a U.S. Custom and Border Protection (CBP) aircraft to Aguadilla, to assist with employee accountability and distribution of needed supplies.
- The USFWS has also made six aviation resources available for Federal Response. This includes three Kodiak 100 Amphibian aircraft, two Partenavia P68C aircraft, and one Cessna 206 Amphibian aircraft. All aviation platforms are available to provide Cargo, reconnaissance, and passenger capabilities.
- USFWS is also coordinating with the DOI FEMA Desk regarding mobilization and deployment of the following additional aviation resources to provide support to FEMA and USFWS in Puerto Rico.
  - A Kodiak out of Florida will fly to the Caribbean (pilot plus one LEO) on Wednesday morning. Current draft plan for Kodiak N736, if it goes, would be the following, subject to change based on weather, fuel, and personnel onboard: Fort Lauderdale (Pompano Beach), Governors Harbor (Bahamas), Providenciales (Turks & Caicos), Puerto Plata (Dominican Republic), and Aguadilla (Puerto Rico).
  - An Astar helicopter should be made available for deployment early in the week. Current draft plan for the helicopter, if it goes, would be the following, subject to change based on weather, fuel, and personnel onboard: Fort Pierce, Nassau (Bahamas), Great Exuma (Bahamas, overnight), Providenciales (Turks & Caicos), and Aguadilla (Puerto Rico).

### **United States Geological Survey - Maria and Irma Update**

*Source: United States Geological Survey (USGS) – September 25, 2017*

As of September 25, all 31 USGS personnel in Puerto Rico have been accounted for (30 duty stationed in Puerto Rico, one on travel). The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed to the public until further notice. GSA is granting daily access for employees to rally and to prioritize work moving forward. As of September 25, 50 gages are offline due to loss of communications and/or damage. The USGS is coordinating with U.S. Army Corps of Engineer and the National Weather Service (NWS) to prioritize gages for repair.

USGS secured MREs and bottled water from FEMA Caribbean Distribution Center on September 24, and received approval for delivery of generator diesel in Puerto Rico. USGS also received approval and instructions for filling GOVs at the fuel distribution center at the Puerto Rico Convention Center.

In Florida, USGS has repaired 81 gages that were destroyed by Hurricane Irma, and an additional three in Georgia.

### **DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management - September 24, 2017*

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group departed to Anniston, Alabama on September 22 to receive four days of training prior to deploying to the field in Texas and Florida. The group is comprised of ten NPS personnel, five Bureau of Land Management (BLM) personnel, three Office of Inspector General (OIG) personnel, two USGS personnel, two Bureau of Ocean Energy Management (BOEM) personnel, and one Bureau of Safety and Environmental Enforcement (BSEE) employee. The Office of Emergency Management is working with FEMA to deploy an additional 27 DOI volunteers by the end of the week.

### **Other Federal and State Government Reporting**

#### **Federal Emergency Management Agency Situational Update**

*Source: FEMA Senior Leadership Briefing – September 26, 2017*

The following critical infrastructure updates have been provided by FEMA as of September 26 at 5:00 a.m. EDT:

- **Airports:** San Juan is open for military air and hurricane relief efforts, with flow management procedures in place. Seven additional airports are open, two supporting military air and hurricane relief efforts. Airports in St. Thomas and St. Croix are operating with a contingency ramp established and allowing military air and hurricane relief flights.
- **Roads:** Three major routes were cleared in Puerto Rico, and initial reports indicate at least 8 bridges damaged, two of which are on major routes. Sections of an additional 15 roads are closed as of September 25. In the U.S. Virgin Islands, numerous routes are have been identified as partially closed, with single lane alternating traffic due to debris.
- **Communication Systems:** In Puerto Rico, over 92% of cell sites are out of service. An additional 389 sites are operating on backup power. In the U.S. Virgin Islands, approximately 60% of cell sites are out of service.
- **Water:** In St. Croix, Seven Seas water production plant is operational and there is three days worth of emergency water supply available. In St. Thomas, potable water service is available throughout the island, and there is four days emergency water supply available. Approximately 44% of the population in Puerto Rico is without drinking water service, and a Boil Water Notice is in effect.

- Commodities: A total of 410,000 meals and 180,000 liters of water are scheduled to arrive in St. Croix today. Additionally, the AS Fiorela delivered 473,472 meals and 604,756 liters water earlier today to U.S. Virgin Islands.
- Power: Estimates indicate that nearly 100-percent of the customers in Puerto Rico are without power. Approximately 80 percent of PR Electric Power Authority (PREPA) total transmission on the island is damaged, and while some generation facilities received damage, most are expected to resume operations. In the U.S. Virgin Islands, 99-percent of the customers in St. Thomas are without power, 100-percent of the customers in St. John are without power, and 90-percent of the customers in St. Croix are without power. Western Area Power Administration’s eight-person advance team continues to safely make progress on St. Thomas’s overhead transmission lines.
- Hospitals: As of yesterday, 11 out of the 69 hospitals in Puerto Rico have power or fuel. In the U.S. Virgin Islands, the Schneider Regional Medical Center has been re-energized, and the Governor Juan F. Luis Hospital has been reported condemned by the U.S. Army Corps of Engineers.
- Fuel: The Department of Energy, FEMA, the Defense Logistics Agency, and other Federal partners are working to facilitate fuel deliveries across the U.S. Virgin Islands and Puerto Rico for generators at critical facilities and to assist with response efforts.
- Guajataca Dam: USACE engineers assessed the dam’s condition and confirmed that the lower part of the concrete spillway has collapsed and the section remaining appears undercut by approximately 15 feet. The portion of the dam that’s still intact will require reinforcement to ensure stability. The water level behind the dam needs to recede before a comprehensive assessment may be completed.

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 26, 2017:**

There are currently a total of 17 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed for Harvey= 17					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	12	8/26/2017 4332DR-TX-USGS-01

<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 12 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)</b>					
NCR RSF	OEPC	Austin, TX	\$109,700	2	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description: NCR RSF Field Coordinators deployed and working with bureau SMEs in Region and supporting agencies to draft a Mission Scoping Assessment due on October 6.</b>					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 12 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,346 locations have had HWMs flagged, with over 874 locations surveyed.

**Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- NCR RSF - OEPC: Two OEPC Field Coordinators are deployed to the Joint Field Office (JFO) in Austin, Texas. The Field Coordinators are working with other federal agencies (U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), Environmental Protection Agency (EPA), NOAA, and FEMA Environmental Planning and Historical Preservation (EHP)); the Texas Department of Parks and Wildlife, the Texas General Land Office, and the Texas Historical Commission in developing the Mission Scoping Assessment to identify impacts that will need to be addressed under long term recovery efforts.



## **Wildland Fire Activity**

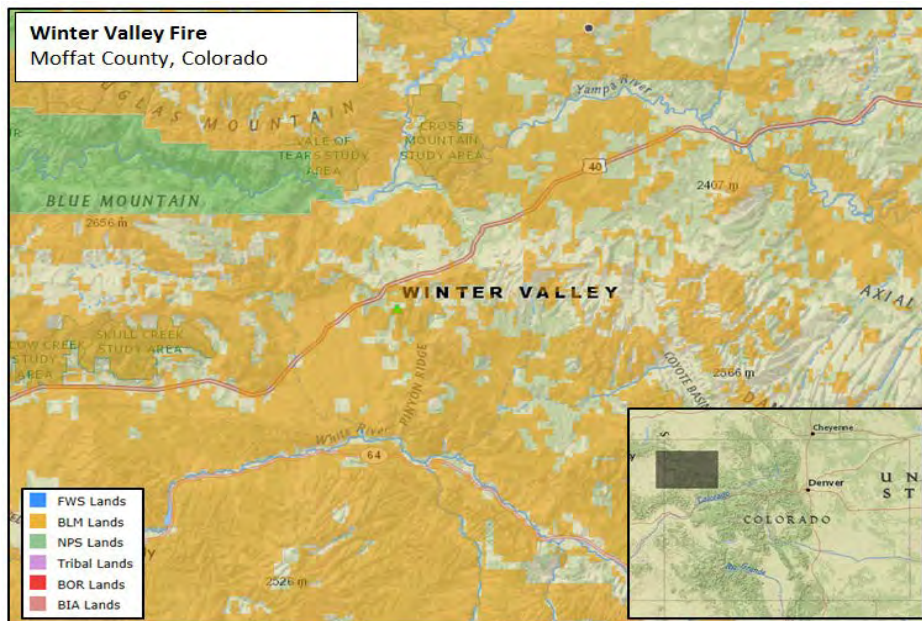
**Source:** Fire and Aviation Management Website - September 26, 2017

### **Colorado**

#### **Winter Valley Fire**

- Start Date: September 21
- Location: Moffat, CO (BLM)
- Burned Acres: 7,785 (no change)
- Containment: 90-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 9 (-16) / 5 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 12 (-12) / 0 (-1)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: September 30

Comments: Fire behavior was described as minimal during this reporting period. The fire is threatening a Federal Aviation Administration (FAA) radio tower, Sage Grouse habitat, and a major transportation route through northwestern Colorado. Strategy objectives are to provide point protection on structures and to protect life and property.



IGEMS Image

## Montana

### Sprague Fire

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 52 (-38) / 14 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 4 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this reporting period with creeping and smoldering. The fire still poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. On September 22, the evacuation order was lifted and replaced with an evacuation warning and area closures from the southern end of Lake McDonald to Logan Pass, including the North McDonald Road. Point zone protection has been implemented around buildings and historic road corridors, and management is allowing weather to suppress most of the fire. The fire is now managed by a Type-3 IMT assigned on September 23.



IGEMS Image

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 26, 2017

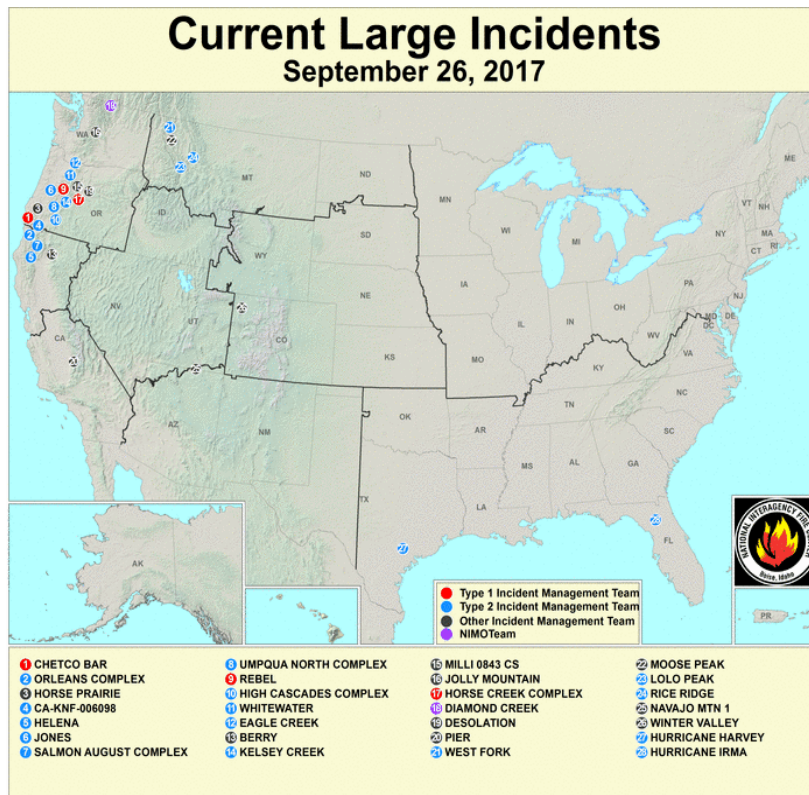
## National Preparedness Level 3

### National Fire Activity

Initial attack activity:	Light (66 new fires)
New large fires:	1
Large fires contained:	2
Uncontained large fires: **	15
Area Command teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	2
Type 2 IMTs committed:	12

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Bogoslof Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at Bogoslof volcano. No significant activity was detected in seismic or infrasound data from neighboring islands over the past day. Bogoslof remains in an unpredictable condition and activity can escalate quickly with explosions producing high-altitude volcanic clouds with little to no detectable precursory activity. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but nothing of any volcanological significance was observed in satellite data during this reporting period. A moderate, 2-minute-long eruption occurred last night at 9:47 p.m. EDT. No significant activity has been detected in seismic or infrasound data, and web camera views were obscured by clouds.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at the summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. The lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey - September 26, 2017*

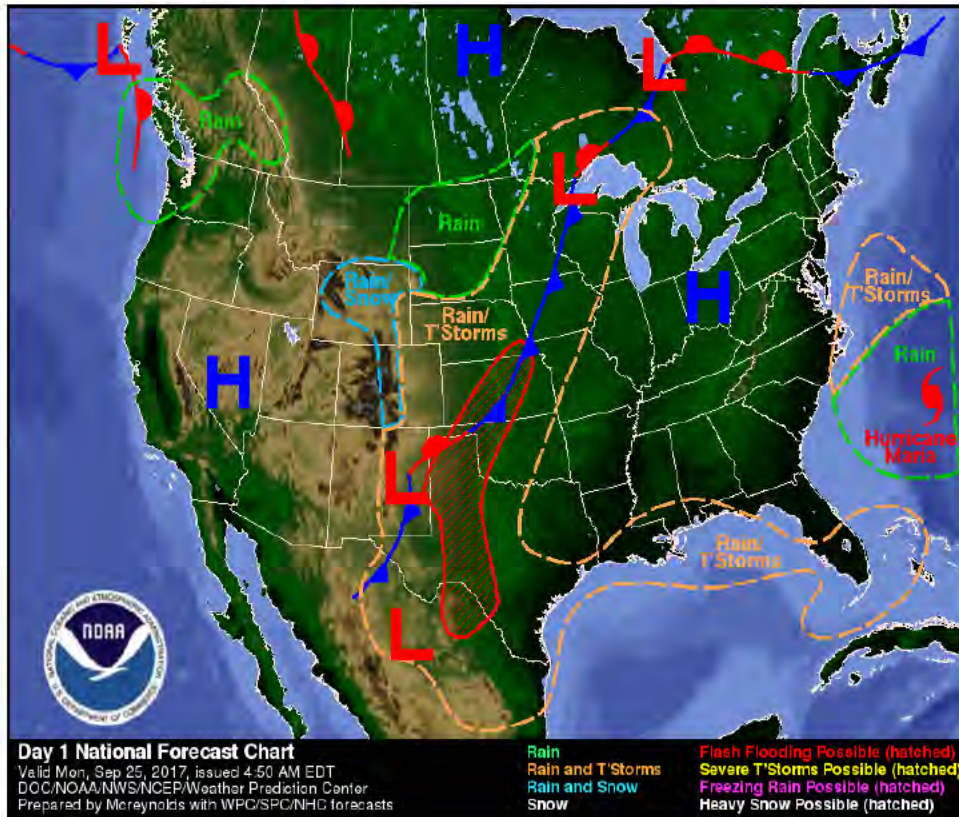
The USGS reported that a magnitude 6.4 earthquake occurred on September 26 at 12:24 a.m. EDT, approximately 206 miles south-southwest of Vaini, Tonga at depth of 60.8 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 5.9 earthquake occurred on September 25 at 4:29 p.m. EDT, approximately 130 miles south-southeast of Kokopo, Papua New Guinea at depth of 3.7

miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

### **Significant National Weather**

*Source: National Weather Service - September 26, 2017*



### **Today**

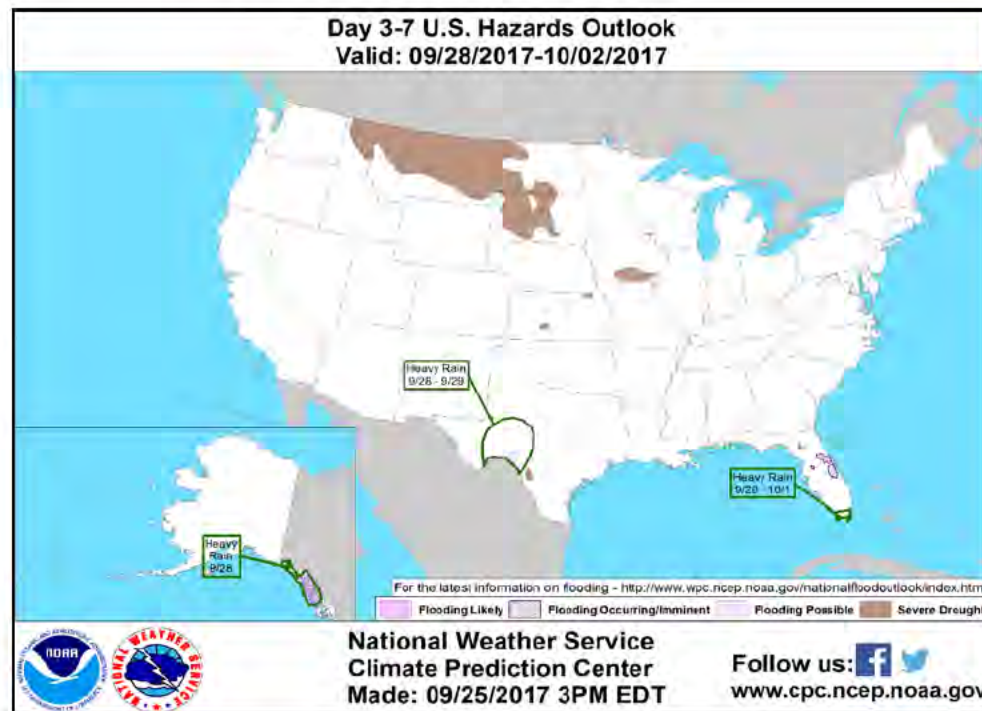
Hurricane Maria is forecast to continue moving northward, paralleling the East Coast for the next 36-48 hours, and it is likely that some direct impacts will occur along portions of the North Carolina coast beginning later today. Storm surge flooding, especially along the sound side of the North Carolina Outer Banks, is expected. Rain and thunderstorms are possible for the southern half of Florida and for portions of the central Gulf Coastal states. A frontal system will stretch from northern New England to an area of low pressure over northern Wisconsin. From it, a strong and slow moving cold front, with multiple waves of low pressure developing along it, will extend southwest to Texas. Heavy rainfall is expected across central and western Texas where deep moisture streaming northward from former Tropical Storm Pilar in the Eastern Pacific will contribute to heavier rainfall amounts. Rainfall amounts in excess of 4 inches are possible between now and Wednesday night. Flash flooding is possible across this region, especially where storms track over the same area repeatedly. A few strong to severe storms, with hail and gusty winds, are possible this afternoon and evening from southwestern Texas through

southeastern New Mexico. Rain and snow are likely for parts of the central and northern Rockies. Elsewhere, high pressure will produce warm and dry conditions from the Rockies to the West Coast.

### Tomorrow

Maria will weaken to a Tropical Storm several hundred miles east of Cape Hatteras, North Carolina. Coastal hazards will continue for parts of the East Coast, and rain, possibly heavy, will be possible for the Outer Banks. The above mentioned frontal system will now extend from the eastern Great Lakes, down the Ohio Valley to central Texas and the upper Rio Grande Valley. A warm front will slice across eastern Canada, northern Maine, and into the Canadian Maritimes. Rain and thunderstorms will be possible for the Northeast, eastern Canada, and the Canadian Maritimes. Rain is also likely for the Ohio Valley. Widespread showers and thunderstorms will develop across the Four Corners, the southern Plains, and parts of the lower Mississippi Valley. Heavy rain, along with the threat of flash flooding, will continue for western Texas. Rain and snow will continue for the higher elevations of the central Rockies. Rain and thunderstorms once again will develop over southern Florida. Elsewhere, high pressure will produce fair and dry weather for the West Coast, the northern Rockies, the northern Plains, and the Great Lakes.

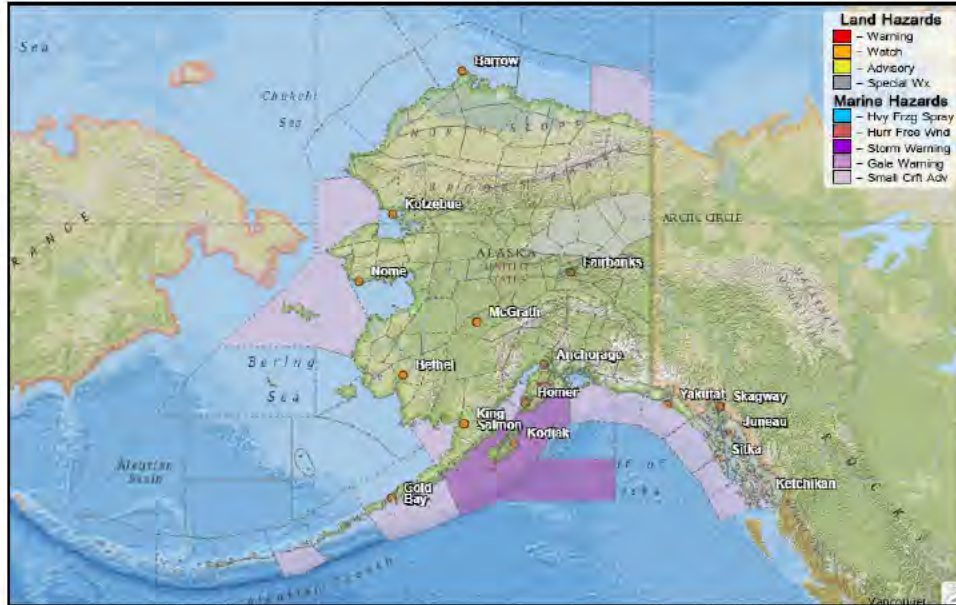
### Weather Hazard Assessment



- September 28: Heavy rain for the Alaska Panhandle.
- September 28-29: Heavy rain in the vicinity of the Edwards Plateau in southwest Texas.
- September 28-October 1: Periods of heavy rain in extreme southern Florida.
- Flooding is occurring/imminent in northern and central portions of Florida.
- Flooding is likely over the Alaska Panhandle.
- Flooding is possible over part of the Edwards Plateau in southwestern Texas.

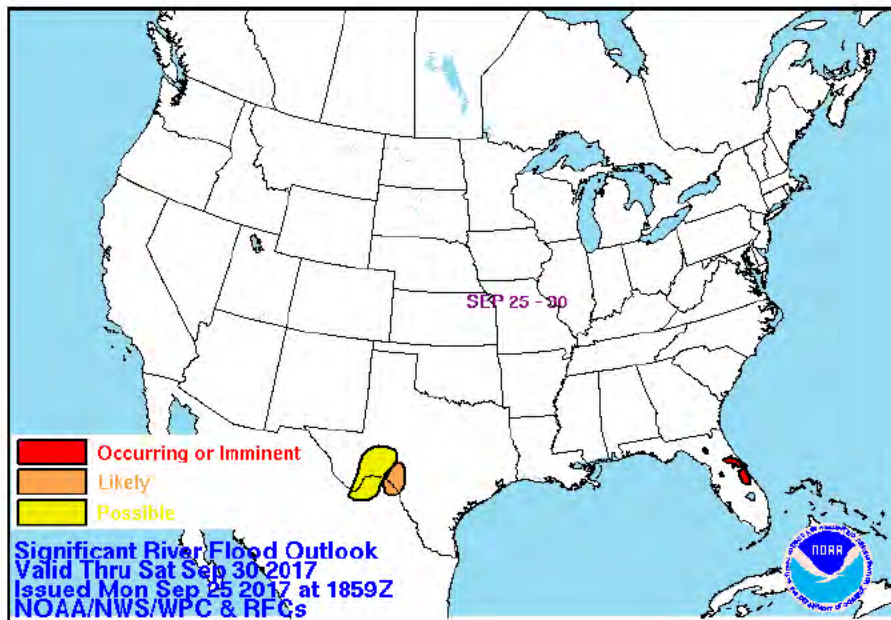
- Severe Drought across portions of the Plains and Mississippi Valley, the northern Rockies, and Hawaii.

### Alaska Weather



A Gale Warning is in effect from Castle Cape to Cape Cleare in the western Gulf of Alaska. There is a Small Craft Advisory in effect for a portion of the eastern Aleutian Islands, the Gulf of Alaska, Bristol Bay, from Dall Point to Cape Thompson, and from Flaxman Island to Demarcation Point.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central and northern Florida. Significant river flooding is likely or possible in the Big Bend region of Texas.

### Severe Weather



There is a Marginal Risk of severe thunderstorms over a portion of southeastern new Mexico and far southwestern Texas.

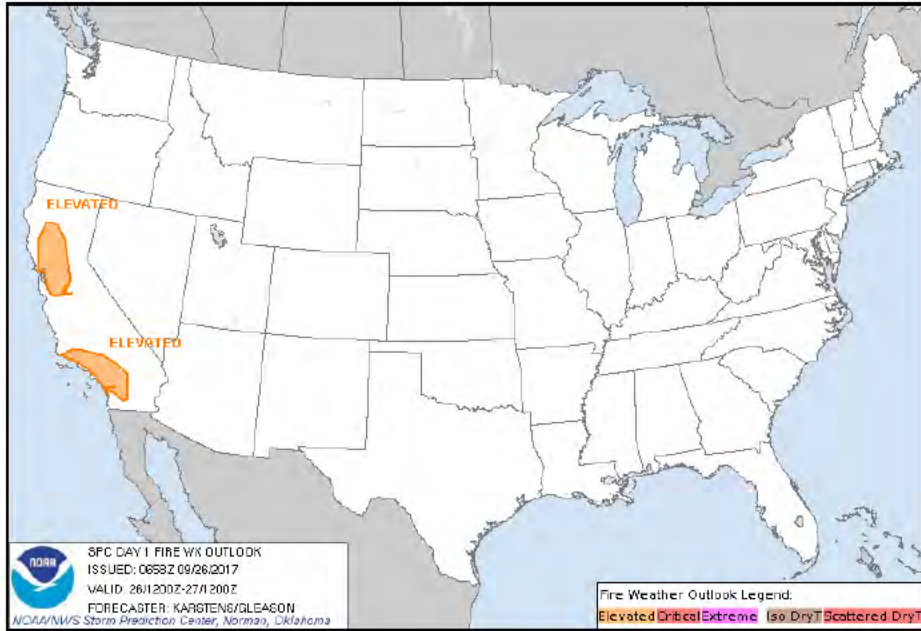
### Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

### Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather is forecast for portions of northwestern and southwestern California.

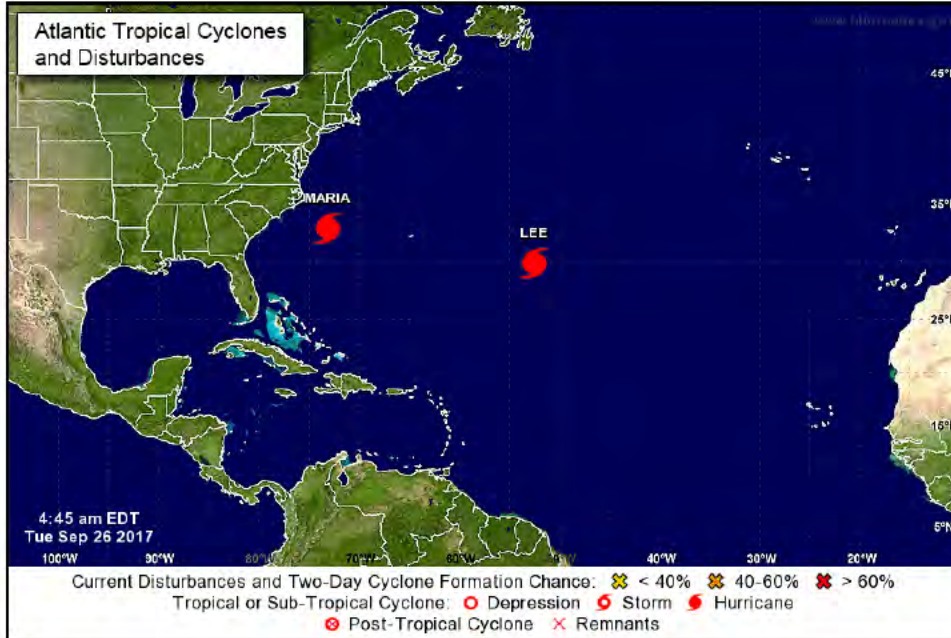




## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 26, 2017

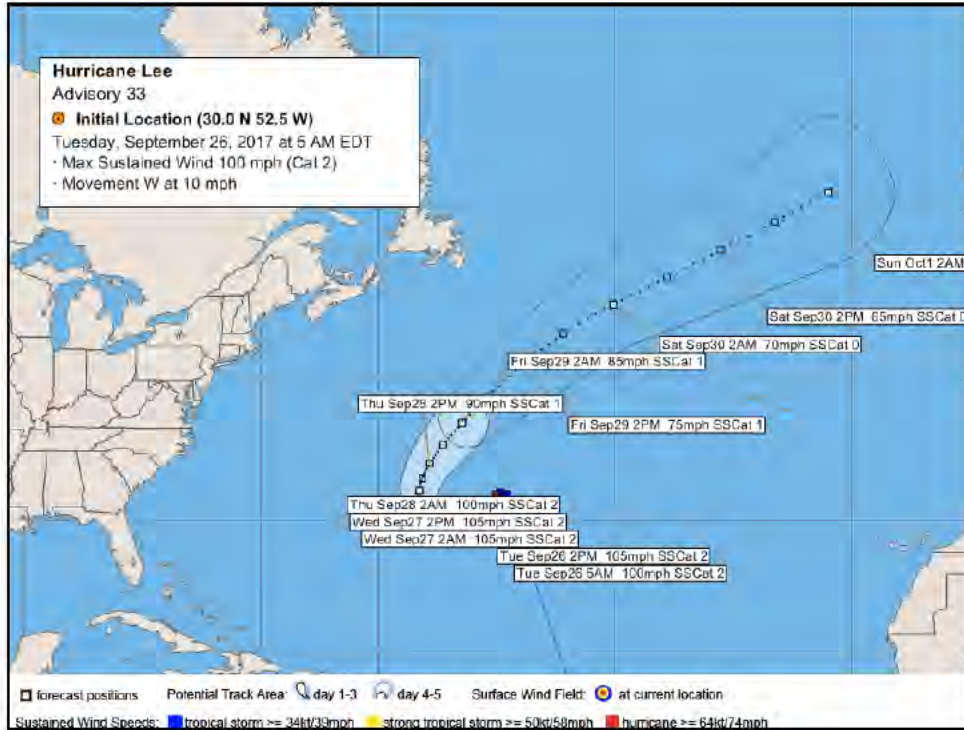
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



### Hurricane Maria:

Hurricane Maria is summarized in the beginning of this report.

## Hurricane Lee:



HURREVAC Image

At 5:00 a.m. EDT, Hurricane Lee was located approximately 745 miles to the east of Bermuda. Lee is moving toward the east near 10 mph. A turn toward the west-northwest, with some decrease in forward speed, is expected early Wednesday, followed by a northwestward turn by Wednesday evening. Lee is forecast to turn northward and gradually increase in forward speed on Thursday. Maximum sustained winds are 100 mph, with higher gusts. Some strengthening is expected during the next 24 hours, before a weakening trend commences tomorrow. There are no coastal watches or warnings in effect at this time.

## Eastern Pacific Ocean

There is no tropical cyclone activity expected during the next 48 hours.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, September 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Storm Maria - Atlantic Ocean**

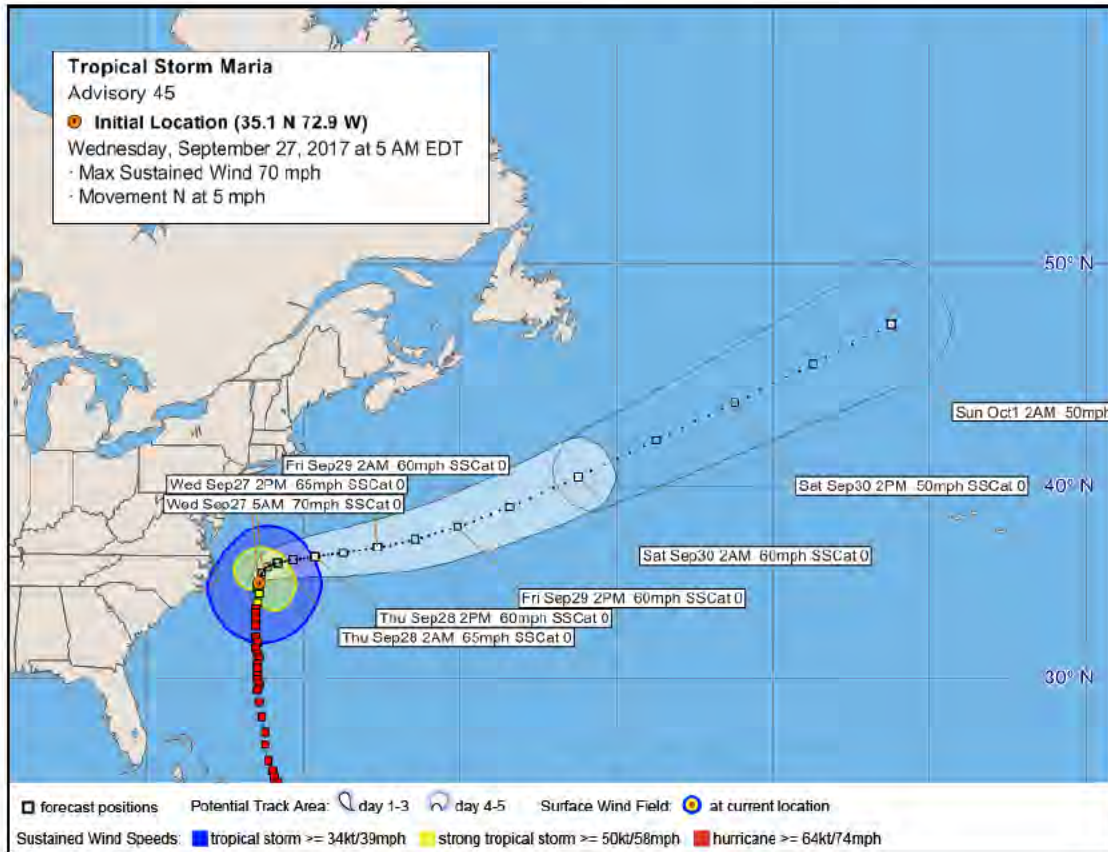
**General Situation**

*Source: National Weather Service/National Hurricane Center – September 27, 2017*

At 5:00 a.m. EDT, the center of Tropical Storm Maria was located approximately 145 miles to the east of Cape Hatteras, North Carolina, and moving to the north at 5 miles per hour (mph). A turn toward the north-northeast is expected later today, followed by an acceleration toward the east-northeast on Thursday. The center of Maria will begin to turn slowly away from the coast of North Carolina later today and tonight. Maximum sustained winds are near 70 mph, with higher gusts. Some gradual weakening is forecast during the next 48 hours. Tropical-storm-force winds extend outward up to 230 miles from the storm's center.

A Tropical Storm Warning is in effect for the Bogue Inlet to the North Carolina and Virginia borders, and the Albemarle and Pamlico Sounds. A Storm Surge Watch is in effect from Cape Lookout to west of Ocracoke Inlet, and north of Cape Hatteras to Duck, North Carolina. A Storm Surge Warning is in effect for Ocracoke Inlet to Cape Hatteras, North Carolina. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach 2 to 4 feet above ground if the peak surge occurs at the time of high tide. Maria is expected to produce total rainfall accumulations of 1 to 2 inches over the Outer Banks of North Carolina through Wednesday.

Large swells generated by Maria are affecting much of the East Coast of the United States, Atlantic Canada, Bermuda, the Bahamas, and the Turks and Caicos Islands.



HURREVAC Image

**DOI Mission Assignments as of September 27, 2017:**

There are a total of 135 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017
					4337DR-FL-DOI-01
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description: One person from NPS to serve on the FSARCG at FEMA HQ for US&amp;R.</b>					

13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
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**Description: Provide Law Enforcement Support for ESF-8 and ESF-9.**

**Teams have participated in several missions. Assisted in several welfare checks and met with community leaders; secured propane for hotel; checked on hotel family members; assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling; secured equipment for sanitation issues; assisted in Toa Baja with flooding situation and rescued local Mayor's secretary; assisted in the recovery of FEMA team whose vehicle was disabled; continued to assess fuel sites.**

DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19  
25 - BLM

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
FWS Refuge - 13  
BLM - 4  
NPS - 4  
OIG - 2  
OLES - 1

DOI MARIA QRT 3 : OPERATIONAL SEPTEMBER 23.  
13 - BLM  
7 - USPP  
3 - OLES  
2 - NPS  
1 - OIG

DOI MARIA QRT 4: OPERATIONAL SEPTEMBER 23.  
14 - BIA/Tribal

**Total number of DOI Personnel Supporting Irma ESFs: 43**

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01

**Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma**

5	USGS	Georgia Coast	\$135,000	1	GA-17083101-USGS-01
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.</b>					
5	USGS	SC Coast	\$170,000	3	9/7/2017
SC-17083101-USGS-01					
<b>Description: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for Irma</b>					
5	USGS	Florida Coast	\$527,500	8	3385EM-FL-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma</b>					
5	BIA	FL	\$15,000	1	9/13/2017
MA: 3388EM-FL-DOI-01					
<b>Description: BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017</b>					
<b>Personnel Description: One BIA EM person supporting remotely prior to JFO establishment.</b>					
11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
MA#4337DR-FL-DOI-8					
<b>Description: Support ESF #11 position activation at the NRCC.</b>					
Non ESF	DOI Wide	Various	\$700,000	26	9/12/2017
MA: 4377DR-FL-DOI-03					
<b>Description: US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team</b>					

<b>Personnel Description:</b> 3 person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements. 23 personnel have deployed.					
Non ESF	DOI	GA	\$5,000	1	9/13/2017
					MA: 4337-FL-DOI-06
<b>Description:</b> Activate Department of Interior (DOI) to the FEMA RIV Regional Response Coordination Center (RRCC) to support DOI and Tribal matters in response to Hurricane Irma.					
NCR RSF	OEPC	Orlando, FL	\$127,211	1	4337DR-FL-DOI-07
<b>Description:</b> Natural and Cultural Resources Recovery Support Function (NCR RSF) Field Coordinator was deployed to the Florida JFO on Thursday, September 21. An additional Field Coordinator will be deployed later this week (week of 9/25) also to the Florida JFO					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had four personnel surveying high water marks (HWMs) and processing data in Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. A total of 175 HWMs have been flagged, and 115 HWMs have been surveyed. Personnel continue to process data under MAs in Puerto Rico, Georgia, and South Carolina.

**ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** A NPS employee is supporting the Federal Search and Rescue Coordination Group (FSARCG) at FEMA Headquarters. As of September 26, there are no unmet needs for DOI supporting this mission.

**ESF #10 (Oil and Hazardous Material Response)**

- **ESF #10 - Office of Environmental Policy and Compliance (OEPC):** The OEPC's Regional Environmental Officer (REO) in Atlanta will be deployed as part of a Unified Command with the Environmental Protection Agency (EPA), Florida Fish and Wildlife Conservation Commission, and the Florida Department of Environmental Protection. Focus will be on the removal of hazmat, particularly efforts to mitigate and remove displaced vessels, and to monitor, protect, and minimize impacts to natural resources. U.S. Coast Guard has issued a Pollution Removal Funding Authorization and the REO will deploy later this week



### **ESF #11 (Agricultural and Natural Resources)**

- **ESF #11 - OEPC:** Natural Cultural Resources and Historic Properties (NCH) coordinated with the NPS Grants Division on communicating with the State Historic Preservation Officers (SHPOs) on Puerto Rico and U.S. Virgin Islands. NPS interacts routinely with the SHPOs. ESF #11 NCH is working with a variety of NGO organizations to understand the impact and likely critical issues facing cultural resources that require a timely response. ESF #11 NCH is also trying to reach out to natural resource agencies (including Puerto Rico's Department of Natural and Environmental Resources) to begin to identify impacts to natural resources.

### **Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- **NCR RSF Irma - FL - OEPC:** The OEPC deployed a Field Coordinator to the JFO in Orlando on Thursday, September 21. The Field Coordinator will begin working with other federal agencies and the state in developing the Mission Scoping Assessment to identify impacts. OEPC will be deploying another Field Coordinator to the JFO later this week (week of 9/25).
- **NCR RSF Maria - Puerto Rico and USVI - OEPC:** OEPC represented the Natural and Cultural Resources Recovery Support Function at an initial meeting of all the RSFs organized by the Federal Disaster Recovery Coordinator for Region II to prepare Recovery Incident Strategic Plans for Puerto Rico and U.S. Virgin Islands. This Strategic Plan will lay out goals and objectives for the recovery effort and will validate those findings with local leadership on Puerto Rico and the U.S. Virgin Islands prior to the deployment of additional support staff to assist recovery efforts on the Islands. This effort will last for a total of 30 days and will be supported through a mission assignment (forthcoming).

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Maria and Irma Update**

*Source: National Park Service – September 26, 2017*

As of September 26, the NPS, in coordination with the Situation Unit at the Incident Management Team and the efforts of the Federal Search and Rescue Coordination Group (FSARCG), has full accountability of all employees in the Caribbean after Maria. The NPS is continuing to support response activities following Hurricane Maria. Priorities remain employee accountability, supporting life saving operations, and supporting life sustaining operations on Puerto Rico, St. John, and St. Croix.

Due to the lack of power and facilities at the Sheraton Hotel, the hotel staff notified 10 NPS employees, who had been displaced from their homes, that they were being moved to the HQs office at San Juan for temporary shelter, until another location or other accommodations could be arranged.

Fuel concerns remain, but representatives from San Juan were able to receive some diesel from

the fuel distribution point at the Puerto Rico Convention Center. Refueling has still not been secured for the M/V Fort Jefferson, but they have secured docking privileges at Pier 9 beginning on September 29.

The NPS continues to try to secure transportation for a Law Enforcement Special Event Tactical Team (SETT) to relieve staff at St. John. On September 25, the NPS reported having issues receiving supplies from PODs (Points of Distribution), but have since confirmed that staff were able to get water and food from shelters.

A vessel is scheduled for transit from St. John to St. Croix today to move food and one person to St. Croix, and return chainsaws borrowed from Virgin Islands Emergency Management.

The following park updates have been provided by the NPS:

#### Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The park remains closed. The Preserve will transition to a Type-3 local Incident Management Team (IMT) on September 28, and continue to receive support from the Type-2 IMT from Homestead, Florida. Power has been restored to HQs and park housing (Ochopee), along with some phone and internet service. Mold assessment contractors are scheduled and will determine when it will be safe for employees to return to work. Sawyer teams continue to clear roads and debris from the storm. The IT infrastructure assessment is ongoing.
- *Biscayne National Park (BISC)*: The mainland portion of the park remains closed, but the park is hosting National Public Lands Day on September 30 to enlist volunteers assistance in recovery efforts. Park staff are working to mitigate any remaining safety hazards. Trail work was completed on Elliott Key where endangered butterfly habitats were threatened. The damaged boardwalk of Convoy Point is almost removed, but it will require a boat to complete the task. A crane was able to remove the piece of the dock that had been washed ashore.
- *De Soto National Memorial (DESO)*: The park is open. The possibility exists that the National Champion Gumbo Limbo tree, as well as the second largest specimen, will have to be removed as a result of storm damage.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open pending completion of hazard limb and tree removal from the AIR Team for final hazard mitigation. The Visitor's Center remains closed. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to the ferry boats can be completed.
- *Timucuan Ecological and Historic Preserve (TIMU)*: The park is partially open with select areas partitioned or closed for safety precautions until cleanup crews are able to remedy any outstanding hazards.

- *Fort Pulaski National Monument (FOPU)*: The park remains closed, and stabilization efforts continue at the Fort and the Visitor Center. Park trails that still require assistance are being clearly marked with closure information which will remain closed due to hazards. The park will reopen once a new water tank has been delivered and is operational.
- *Cape Lookout National Seashore (CALO)*: The park is closed until September 28 as the park's Storm plan evacuation protocols were activated due to county-issued Tropical Storm and Surge warnings. All campers have been evacuated from both the North and South Core Banks. The Harkers Island and Beaufort Visitor Centers will remain open for employees to report for work.
- *Cape Hatteras National Seashore (CAHA)*: The park is closed until September 28 and all ferries between Hatteras and Ocracoke Island have ceased operations. A law enforcement ranger is manning a checkpoint in support of mandatory visitor evacuations of both islands. Deteriorating conditions have begun with some flooding and storm surge warnings. Unexploded Naval ordnance (for training) was found washed ashore on Ocracoke Island; it has since been removed. Early release was implemented for employees of Fort Raleigh National Historic Site, Wright Brothers National Memorial, and the Outer Banks Support Group staff.

#### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (USFWS) - September 26, 2017*

As of September 26, the USFWS has accounted for 58 of the 61 USFWS personnel in Puerto Rico and the U.S. Virgin Islands.

- USFWS Staff in both Cabo Rojo and Vieques are coordinating with local vendors to secure fuel for emergency response vehicles and equipment resources as conditions dictate that only cash purchases are available at present.
- USFWS OLE deployed two additional teams to Puerto Rico to assist with employee accountability and distribution of needed supplies. The first team landed in Aguadilla, via a U.S. Custom and Border Protection (CBP) aircraft; while the second team arrived in San Juan, via a FEMA chartered flight.
- Due to limited communications on the island, the Refuge Manager of Vieques National Wildlife Refuge (NWR) has been the conduit for communications between the Mayor of Vieques, the Governor of Puerto Rico, and FEMA. The Mayor of Vieques has requested additional food, water, transportation, and distribution assistance, to provide for citizens in the rural areas. The Mayor has also requested additional law enforcement support to respond to looting and thefts as supplies are dwindling for residents. There are also needs for additional housing, mosquito netting, and sunblock, as there is very little vegetation for shading, for those that are not indoors.

- USFWS was able to provide the Mayor of Vieques 3 Satellite phones to communicate directly with the Governor of Puerto Rico.

### **United States Geological Survey - Maria and Irma Update**

*Source: United States Geological Survey (USGS) – September 26, 2017*

All 31 USGS personnel in Puerto Rico have been accounted for (30 duty stationed in Puerto Rico, one on travel). Two USGS employees were injured while off-duty; however, both are in good condition. The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico continues to be closed to the public until further notice. Limited sites visits for damage assessments and repairs continue, as resources allow. USGS is hosting NPS personnel to stage the NPS Incident Command at the CFWSC. As of September 26, 60 surface water, groundwater, and precipitation gages offline due to loss of communications and/or damage. The USGS is coordinating with U.S. Army Corps of Engineers and the National Weather Service (NWS) to prioritize gages for repair.

In Florida, USGS has repaired 125 gages that were destroyed by Hurricane Irma, and an additional three in Georgia.

### **Other Federal and State Government Reporting**

#### **Federal Emergency Management Agency Situational Update**

*Source: FEMA Senior Leadership Briefing – September 27, 2017*

The following critical infrastructure updates have been provided by FEMA as of September 27 at 5:00 a.m. EDT:

- Airports: San Juan International Airport is now open to limited commercial flights from 7:00 a.m. to 5:00 p.m. local time, with flow management procedures in place. The airports in Aguadilla, Ponce, and Roosevelt Roads Naval Station are now operational for military air and hurricane relief only. Airports in St. Thomas and St. Croix are still operating with a contingency ramp established and allowing military air and hurricane relief flights.
- Roads: Three major routes were cleared in Puerto Rico, and initial reports indicate at least 18 bridges damaged, six of which are on national highways. The Puerto Rico Department of Transportation continues to identify closed roads and damaged bridges. Sections of an additional 11 roads remain closed as of September 27. In the U.S. Virgin Islands, numerous routes are partially closed, with single lane alternating traffic due to debris. In St. Croix, sinkholes are beginning to open.
- Communications: In Puerto Rico, 91% of cell sites are out of service. An additional 385 sites are operating on backup power. In the U.S. Virgin Islands, approximately 63% of cell sites are out of service. A shipment of satellite phones are expected to arrive in Puerto Rico and USVI later today.

- *Water:* In St. Croix, Seven Seas water production plant is operational and there is only a one day emergency supply of water available. In St. John, potable water service is available throughout the island, and there is four days emergency water supply available. In St. Thomas, potable water service is restored to all communities in the east end of the island, and two days of emergency water supply is available. Water sampling analysis is ongoing at all three islands. In Puerto Rico, approximately 44% of the population is without drinking water service, and a Boil Water Notice is in effect until further notice.
- *Commodities:* Approximately 380,000 meals and 500,000 liters of water are scheduled for arrival in Puerto Rico today via C-130. Additional shipments of 200,000 meals and 144,000 liters of water are scheduled to arrive in St. Croix as well. In St. Thomas, a total of 3,256 box meals are scheduled for delivery. The Governor of USVI has announced that all PODs will be closed today.
- *Power:* Estimates indicate that 100-percent of the customers in Puerto Rico are without power. Approximately 80-percent of PR Electric Power Authority (PREPA) total transmission on the island is damaged, and while some generation facilities received damage, most are expected to resume operations. In the U.S. Virgin Islands, 99-percent of the customers in St. Thomas are without power, 100-percent of the customers in St. John are without power, and 90-percent of the customers in St. Croix are without power.
- *Hospitals:* As of yesterday, 59 out of the 69 hospitals in Puerto Rico are operational, but there status is unknown. Power and fuel remain a concern. In the U.S. Virgin Islands, the Schneider Regional Medical Center has been re-energized, and the Governor Juan F. Luis Hospital has been deemed structurally sound, but does have some damage.
- *Fuel:* ESF #12 reports that the Defense Logistics Agency (DLA) is transporting 15,000 gallons of propane to Puerto Rico and 10,000 are headed to USVI; however, there are still limited capabilities to distribute it. The DLA is additionally transporting an initial shipment of 100 trucks and 27 support vehicles with 175,000 gallons of diesel and 75,000 gallons of gasoline to Jacksonville, Florida, then by barge to Puerto Rico by September 29.
- *Guajataca Dam:* The U.S. Army Corps of Engineers continues to assist with the coordination of dam safety engineers, shipment of flood fight supplies such as the large sand bags, and shackles and slings will be provided through EMAC agreement with the Pennsylvania National Guard and the Puerto Rico Emergency Management Association.

### **Harvey Recovery and Response Efforts**

#### **DOI Mission Assignments as of September 27, 2017:**

There are currently a total of 17 DOI Personnel supporting the response under the FEMA mission assignments.

Total DOI Personnel Deployed for Harvey= 17					CODES
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Corpus Christi, TX along the coast through the Houston impact area	\$1,000,000	12	8/26/2017 4332DR-TX-USGS-01
<b>Description: To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</b>					
<b>Personnel Description: 12 personnel in the field today flagging and surveying High Water Marks (HWMs)</b>					
8	NPS	Texas	N/A	2	N/A
<b>Description: Support patient movement, well water sampling, and HHS Operations Center</b>					
15	Office of Communications	Austin, TX	\$10,000	1	09/03/2017 4332DR-TX_DOI-09
<b>Description: Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX. (USGS person deployed)</b>					
NCR RSF	OEPIC	Austin, TX	\$109,700	2	Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08
<b>Description: A Natural and Cultural Resources Recovery Support Function (NCR RSF) Field Coordinator was deployed to the Texas JFO on Monday, September 11. A second Field Coordinator was deployed to the Texas JFO on Friday, September 22. NCR RSF Field Coordinators are working with bureau SMEs in Region and supporting agencies to draft a Mission Scoping Assessment due on October 6.</b>					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 12 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01. To date, a total of 1,367 locations have had HWMs flagged, with over 961 locations surveyed.

## **Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- *NCR RSF - OEPC:* Two OEPC Field Coordinators are deployed to the JFO in Austin, Texas. The Field Coordinators are working with other federal agencies (USDA NRCS, EPA, NOAA, FEMA EHP); the Texas Department of Parks and Wildlife, the Texas General Land Office, and the Texas Historical Commission in developing the Mission Scoping Assessment to identify impacts that will need to be addressed under long term recovery efforts.

### **Wildland Fire Activity**

Source: *Fire and Aviation Management Website - September 27, 2017*

The **Winter Valley Fire** in Colorado reached 100% containment and will not be summarized in this report.

### **Montana**

#### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,790 (no change)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 75 (+23) / 4 (-10)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (-4)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Fire behavior was described as minimal during this reporting period. The fire still poses a significant threat to hundreds of structures in the area, of which, 149 structures are listed on the National Register of Historic Places. On September 22, the evacuation order was lifted and replaced with an evacuation warning and area closures from the southern end of Lake McDonald to Logan Pass, including the North McDonald Road. Point zone protection has been implemented around buildings, historic road corridors, and management is allowing weather to suppress most of the fire.



IGEMS Image

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 27, 2017

### National Preparedness Level 3

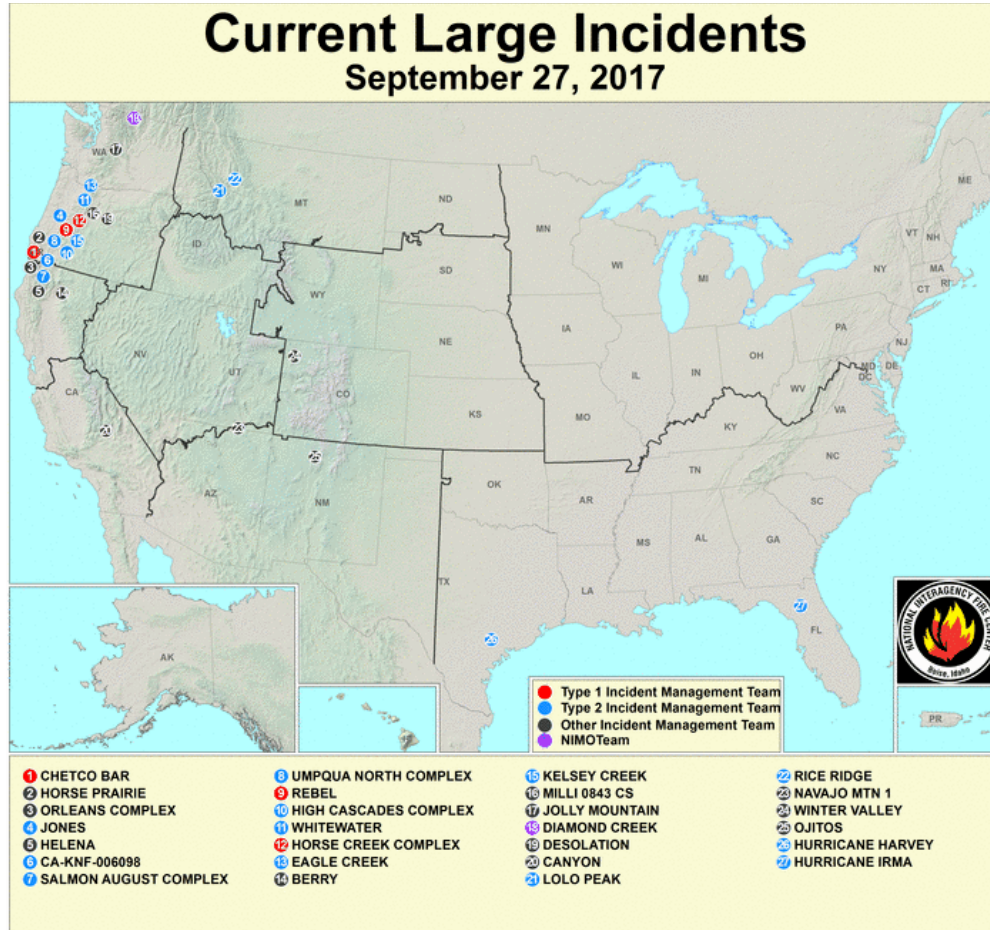
#### National Fire Activity

Initial attack activity:	Light (62 new fires)
New large fires:	1
Large fires contained:	2
Uncontained large fires: **	7
Area Command teams committed:	0
NIMOs committed:	2
Type 1 IMTs committed:	3
Type 2 IMTs committed:	13

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## Large Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 26, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continued at Bogoslof volcano during the operational period. Nothing noteworthy was observed in mostly cloudy satellite views of Bogoslof Island over the past day. Additionally, no significant activity was detected in seismic or infrasound data from neighboring islands over the past day. A Temporary Flight Restriction (TFR) remains in effect over the volcano.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

A short-lived explosive event, lasting approximately three minutes, was detected on September 25 on local seismic and infrasound stations. A signal seen in satellite data 30 minutes after the eruption suggests a volcanic cloud, likely containing ash, south of the volcano and estimated to be less than 15,000 feet above sea level. The seismic and infrasound signals from this explosion were similar in amplitude and duration to other explosive events recorded since mid-2014.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at the summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. The lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

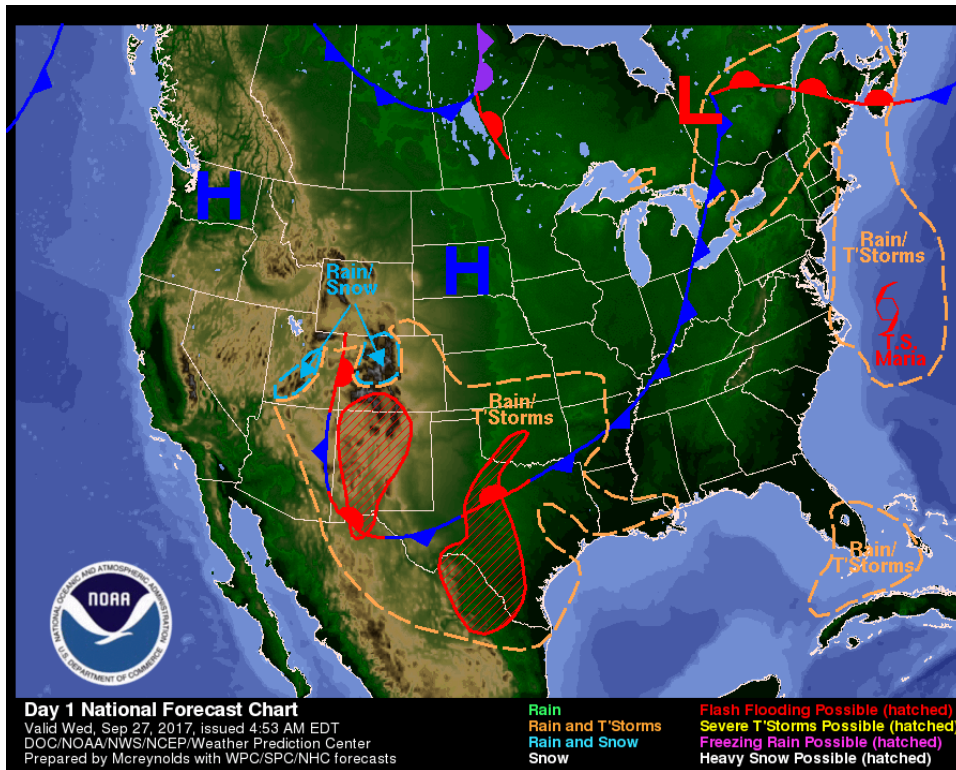
### **Earthquake Activity**

*Source: U.S. Geological Survey - September 26, 2017*

The USGS reported that a magnitude 5.9 earthquake occurred on September 26 at 4:22 p.m. EDT, approximately 47.9 miles east-southeast of Hachinohe, Japan, at a depth of 19.8 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damage. There was no tsunami threat associated with this event.

## ***Significant National Weather***

*Source: National Weather Service - September 27, 2017*



### **Today**

Tropical Storm Maria is forecast to pass about 150 miles east of the Outer Banks of North Carolina today. This is close enough to produce 35-50 mph wind gusts near the coast, some coastal flooding, and scattered showers and thunderstorms. More showers and thunderstorms will be possible for portions of the New England coastal region near Cape Cod. The East Coast states will have one more day of unseasonably warm temperatures today, with highs well into the 80s for many areas. A frontal boundary will stretch from eastern Canada south through the eastern Great Lakes to central Texas and into the Four Corners. Showers and thunderstorms will develop across portions of the eastern Great Lakes, northern New England, and eastern Canada/Canadian Maritimes. A couple of strong thunderstorms might impact parts of northern New England by late this afternoon or early evening, accompanied by at least a marginal risk for severe weather. Scattered rain and thunderstorms will also develop across the Four Corners, the central and southern Plains, and parts of the lower Mississippi Valley. Heavy rainfall is expected across central and western Texas, where deep moisture streaming northward from former Tropical Storm Pilar will contribute to heavier rainfall amounts, with amounts possibly in excess of 3 inches through tomorrow afternoon. Flash flooding is possible across this region, especially where storms track over the same area repeatedly, and a moderate risk of excessive rainfall is forecast across parts of southern Texas. A couple of strong to severe storms will also be possible from southwestern New Mexico into extreme eastern Arizona. Rain and snow will be possible

for the highest elevations of the central Rockies. High pressure remains in control for the West Coast producing fair and dry weather across the region. High pressure will also produce dry weather for the northern Plains, the upper Midwest, and portions of the Great Lakes.

### Tomorrow

The above mentioned frontal system will push through the East while dropping into the South and southern Texas. This system will bring some refreshing autumn like weather for the East. This front will also aid in steering Maria to the east; however, a few showers and thunderstorms will linger across the northern New England coastal region. Rain and thunderstorms are likely for the southern parts of Florida. Rain and thunderstorms will develop from southern Texas into the southwest Plains, the west-central Plains, and the central Rockies. Heavy rain and flash flooding will be possible for portions of the central Rio Grande Valley. Rain and snow will be possible for the highest elevations of the central Rockies. A weather system will slide into the northern Great Lakes and the northern Plains. Rain and thunderstorms will develop across the Great Lakes and surrounding regions. Elsewhere, a Pacific frontal system will approach the Northwest coastal region. Rain is likely from western British Columbia south across Vancouver Island to parts of the Northwest coastal regions.

### Weather Hazard Assessment

- September 29-October 2: Periods of heavy rain in southern Florida.
- Flooding is occurring/imminent in northern and central portions of Florida.
- Flooding is likely across portions of the Edwards Plateau in southwestern Texas.
- Severe Drought across portions of the Plains and Mississippi Valley, the northern Rockies, and Hawaii.

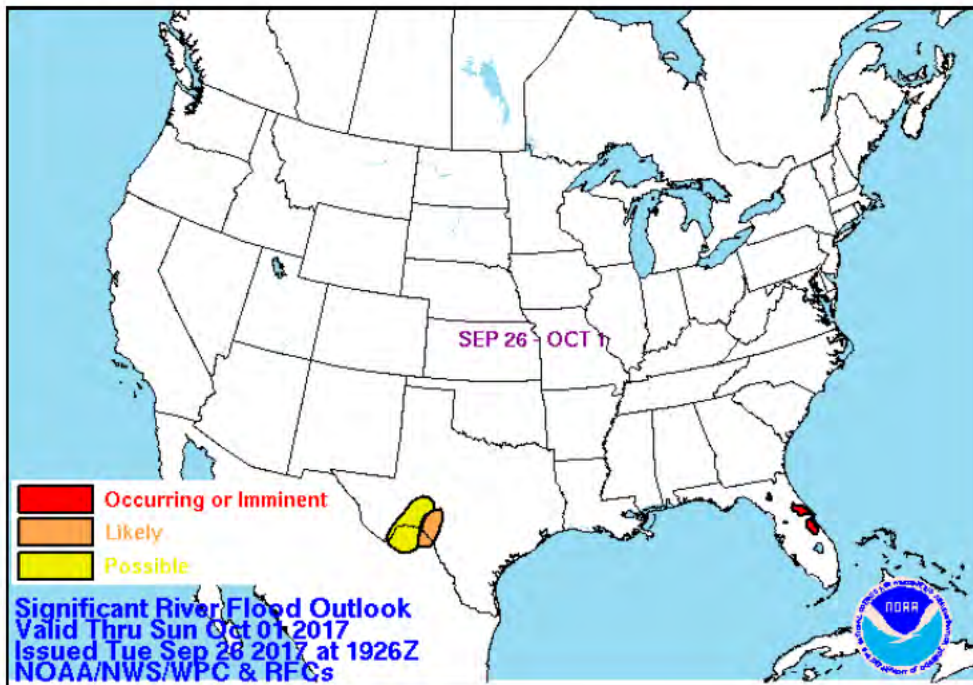


## Alaska Weather



A Gale Warning is in effect from the Icy Cape to the Dixon Entrance in the eastern Gulf of Alaska. There is a Small Craft Advisory in effect for portions of the eastern Aleutian Islands, the western and central Gulf of Alaska, the Pribilof Islands, and the Kuskokwim Delta and Etolin Strait. A Special Weather Statement for elevated surf exists for the northern Arctic Coast.

## Significant River Flooding



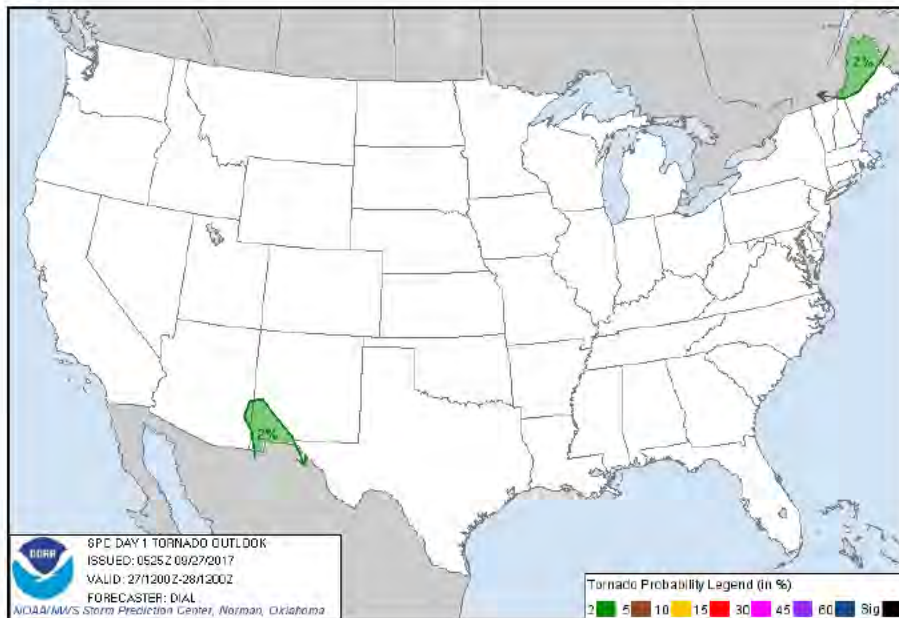
Significant river flooding is occurring or imminent across portions of central and northern Florida. Significant river flooding is likely or possible in the Big Bend region of Texas.

### Severe Weather



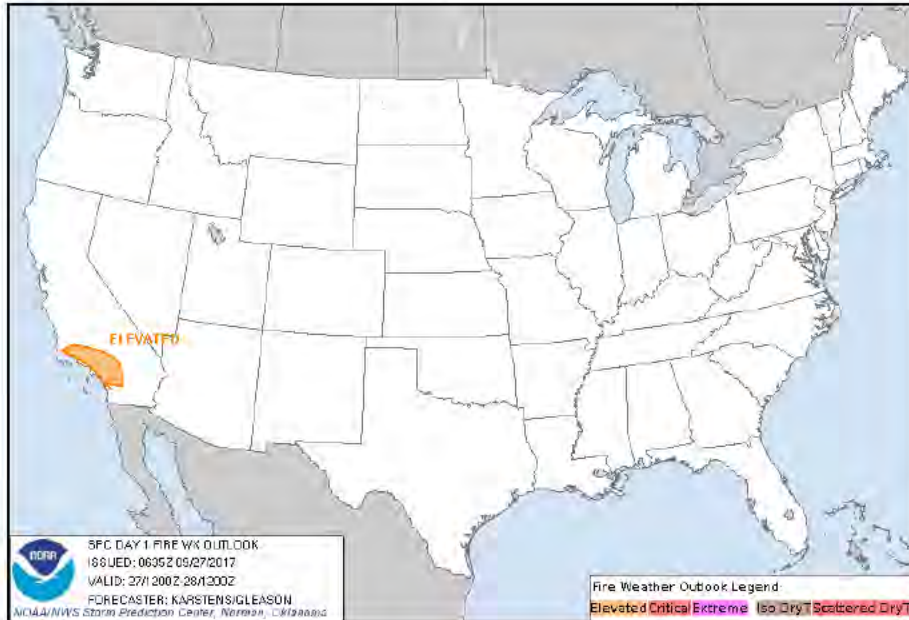
There is a Marginal Risk of severe thunderstorms over a portion of northern New England, and also from southwestern New Mexico to eastern Arizona.

### Tornado Weather



There is a 2-percent chance of tornado activity today for northern New England, and also for southeastern Arizona into southwestern New Mexico.

### **Fire Weather**

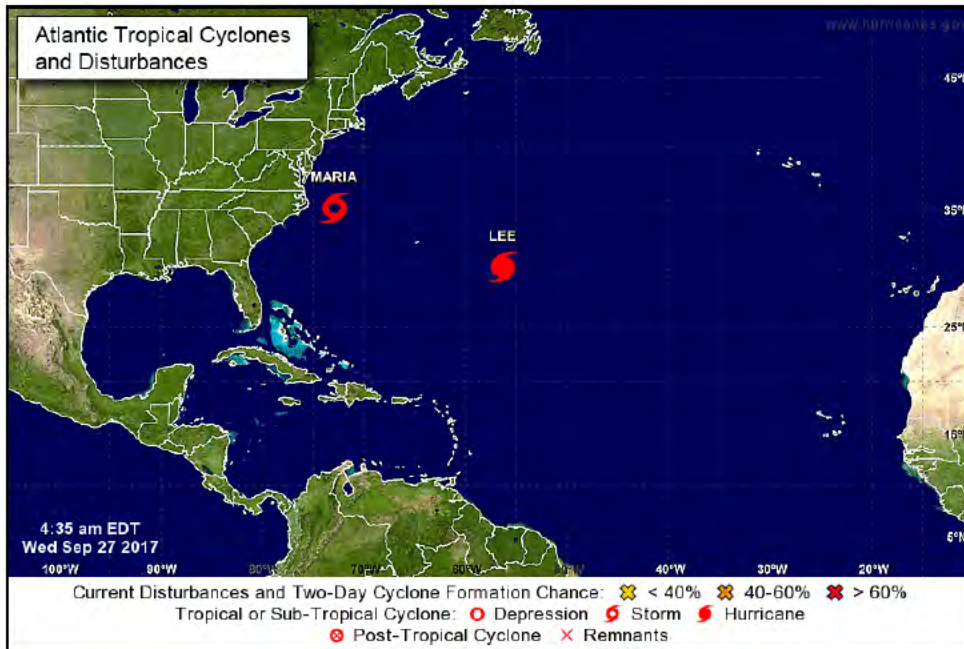


There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather is forecast for portions of southwestern California.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – September 27, 2017

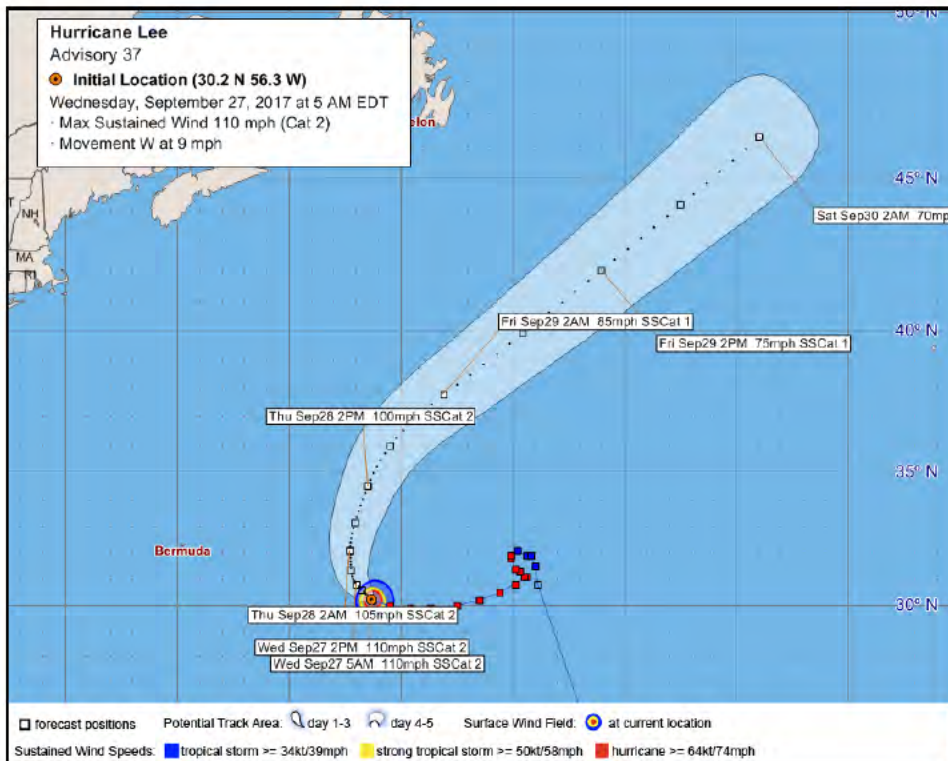
**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



### Tropical Storm Maria:

Tropical Storm Maria is summarized in the beginning of this report.

### Hurricane Lee:



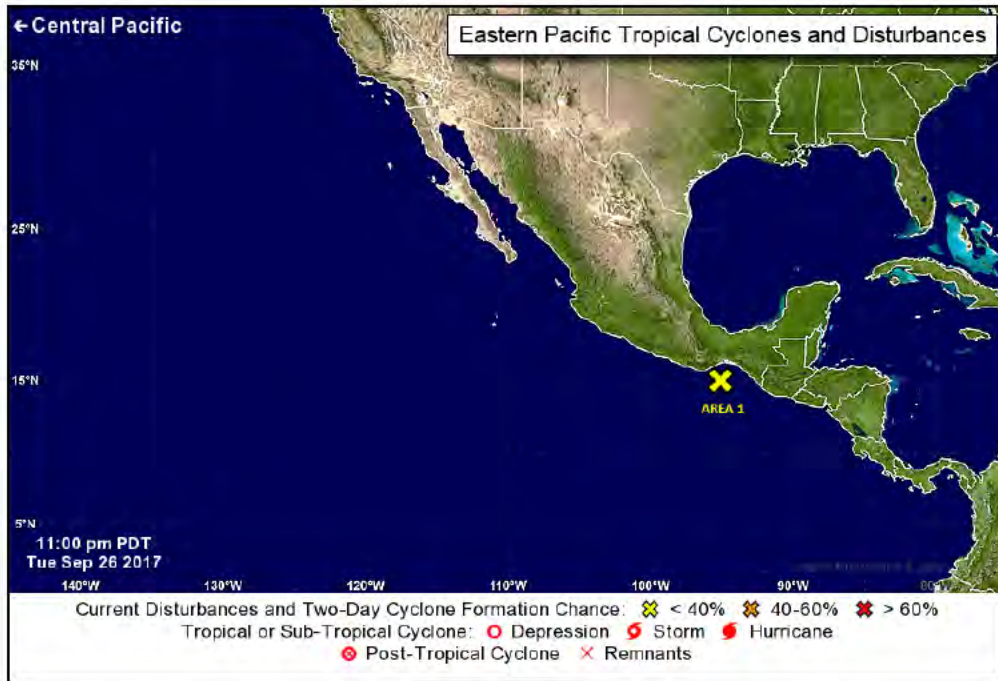
HURREVAC Image



At 5:00 a.m. EDT, Hurricane Lee was located approximately 570 miles to the east-southeast of Bermuda and is moving toward the west near 9 mph. Lee is expected to turn northwestward today and northward on Thursday. Maximum sustained winds are 110 mph, with higher gusts. Lee could become a major hurricane today before weakening likely begins on Thursday. There are no coastal watches or warnings in effect at this time.

## Eastern Pacific Ocean

### Area 1



A broad area of low pressure located over the Gulf of Tehuantepec is producing limited showers and thunderstorms. Although significant development is not anticipated due to its proximity of land, this system is likely to produce heavy rains over portions of the Mexican state of Oaxaca during the next few days. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, September 28, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

## Tropical Storm Maria - Atlantic Ocean

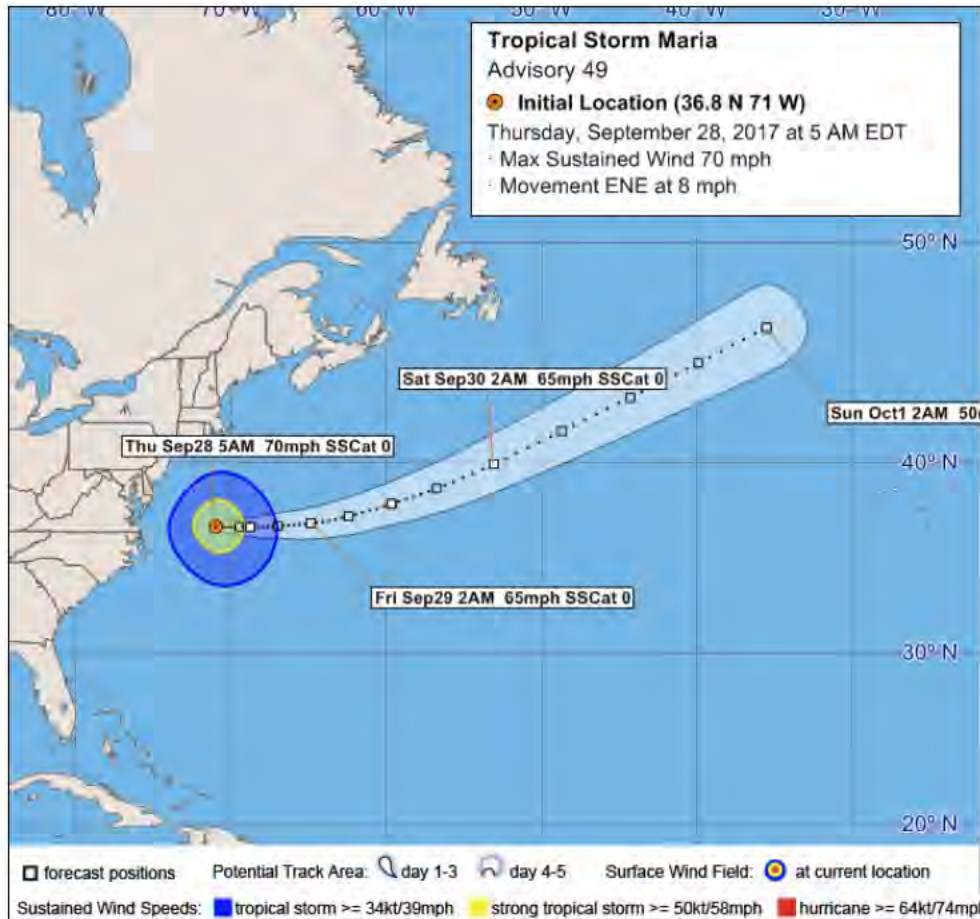
### **General Situation**

*Source: National Weather Service/National Hurricane Center – September 28, 2017*

At 5:00 a.m. EDT, Tropical Storm Maria was located approximately 275 miles to the east-northeast of Cape Hatteras, North Carolina, and moving toward the east-northeast at 8 miles per hour (mph). The storm is expected to accelerate eastward through tonight and then turn back toward the east-northeast on Friday. On the forecast track, Maria will move away from the eastern coast of the U.S. and pass well to the south of Canada during the next couple of days.

Maximum sustained winds have decreased to 70 mph, with higher gusts, and little change in strength is expected during the next 48 hours. Tropical-storm-force winds extend outward up to 240 miles from the storm's center.

The National Weather Service is reporting that all coastal watches and warnings associated with Tropical Storm Maria have been discontinued; however, swells generated by Maria are continuing to affect the eastern coast of the U.S., portions of Canada, and Bermuda. These swells are likely to cause life-threatening surf and rip current conditions.



HURREVAC Image

**DOI Mission Assignments as of September 28, 2017:**

There are a total of 155 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b>DOI Personnel Supporting MARIA Mission Assignments (MA)</b>					<b>92</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
5	OEM	FEMA HQ	\$15,000	2	4337DR-FL-DOI-01
<b>Statement of work (SOW):</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
9	NPS	FEMA HQ	\$10,000	1	1509-240274
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group at FEMA HQ					
13	OLES	PR	\$7.2M	89	3388EM-FL-USDJ-01
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					

<b>DOI Personnel Supporting IRMA Mission Assignments (MA)</b>					<b>63</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>PR</b>	<b>\$200,000</b>	<b>1</b>	<b>PR-17090102-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>GA Coast</b>	<b>\$135,000</b>	<b>1</b>	<b>GA-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>SC Coast</b>	<b>\$170,000</b>	<b>1</b>	<b>SC-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>FL Coast</b>	<b>\$527,500</b>	<b>30</b>	<b>3385-FL-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>BIA</b>	<b>FL</b>	<b>\$15,000</b>	<b>1</b>	<b>3388EM-FL-DOI-01</b>
<b>SOW:</b> Deploy Liaison to FL to coordinate with the Region 4 Tribal Liaison and the Seminole Tribe, as well as other affected tribes in the state.					
<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4337DR-FL-DOI-8</b>
<b>SOW:</b> Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC					
<b>Non ESF</b>	<b>DOI Wide</b>	<b>Various</b>	<b>\$700,000</b>	<b>26</b>	<b>4377DR-FL-DOI-03</b>
<b>SOW:</b> Provide FEMA with additional staff to support Surge Capacity Force Teams.					
<b>Non ESF</b>	<b>DOI</b>	<b>GA</b>	<b>\$5,000</b>	<b>1</b>	<b>4337-FL-DOI-06</b>
<b>SOW:</b> Support DOI and Tribal matters at the Region 4 Regional Response Coordination Center (RRCC).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Orlando, FL</b>	<b>\$127,211</b>	<b>1</b>	<b>4337-FL-DOI-07</b>
<b>SOW:</b> Deploy Field Coordinator(s) to FL Joint Field Office to support Natural and Cultural Resources Recovery Support Function (NCR RSF).					

**DOI Personnel Numbers as of September 27, 2017:**

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of September 27, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
USFWS	0	0	0	20
USGS	0	0	0	2
NPS	0	7	0	17

<b>Personnel Stationed and Remaining in Place As of September 27, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
BSEE	0	0	0	1
OS	0	0	0	1
USFWS	3	0	0	58
USGS	0	0	0	30
NPS	17	34	0	96

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had 30 personnel surveying high water marks (HWMs) and processing data in Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. Three personnel also continued operations under Mission Assignments in Puerto Rico (PR-17090102-USGS-01), Georgia (GA-17083101-USGS-01), and South Carolina (SC-17083101-USGS-01).

**ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** The Federal Search and Rescue Coordination Group (FSARCG) was expected to demobilize by the end of the day yesterday.

## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria and Irma Update**

*Source: National Park Service – September 27, 2017*

As of September 27, all NPS employees remain accounted for, and priorities remain life-sustaining support for employees and initial stabilization efforts. The following park updates have been provided by the NPS:

#### Caribbean Parks

- *Christiansted National Historic Site (CHRI):* On September 27, a vessel transported food and water supplies from St. John to St. Croix, as well as one employee who lives and works on St. Croix. Personnel also utilized this trip to return chainsaws to the Virgin Islands Territorial Emergency Management Agency (VITEMA) borrowed for Hurricane Irma cleanup. This was the first NPS transit between the islands since Maria passed through the area. There were reports that some NPS employees were being turned away from FEMA points of distribution (PODs), but the issue was identified and brought to the attention of the FEMA National Response Coordination Center (NRCC) and was resolved.
- *Virgin Islands National Park (VIIS):* All 34 employees reported to work yesterday in some capacity and began conducting assessments and removing debris. The generator for the headquarters building was restored yesterday.
- *San Juan National Historic Site (SAJU):* The park is reporting that there are currently 10 employees being housed in hotels after their homes were damaged by Maria. The focus at the park has shifted to emergency stabilization efforts, and logistics are being finalized for the arrival of the M/V Fort Jefferson into the Port of San Juan. Security at San Juan remains a concern. A fuel vendor has been identified, and the park is working to secure the funding with the vendor. A Very Small Aperture Terminal (VSAT) has been identified, and the VSAT is being prepared for shipment to the San Juan National Historic Site on September 28 to support communications.

#### Continental U.S. Parks

- *Big Cypress National Preserve (BICY):* The park remains closed. Five NPS buildings have sustained roof and water damage, and the unpaved portion of Loop Road remains closed. Saw teams continue to clear roads and debris from the storm.
- *Biscayne National Park (BISC):* The park is partially open, and personnel are in the process of completing clearing operations. The main focus at this time is to mitigate any existing safety hazards. The removal of the drywall at the visitor's center has been completed, and other issues have been identified. An all-employee meeting was conducted yesterday with the Park Superintendent, and the park will host a volunteer event for cleanup on Saturday (Public Lands Day).

- Everglades National Park (EVER): The park is partially open as a phased reopening began yesterday. The park is continuing the efforts to locate derelict vessels, and debris and hazards are being marked for removal. A dumpster for debris removal is on order. Boat patrol personnel have completed the inspection of the backcountry, and extensive tree work has been completed along the main park road. Additional clearing will be needed for oversize load vehicles to safely access Flamingo. The park expects to have teams in the marina basins this week to determine if the areas need to be dredged.

Displaced employees from Flamingo are currently being housed at Pine Island housing. Wastewater and water treatment plants are continuing to function erratically during the repair process. Additional electricians and plumbers are needed, and the current resources will need to be extended to for these systems to become operational again. The park is in the process of filling these resource needs. Crews are continuing to clean the housing units in Flamingo, and debris removal will continue at the Shark Valley and Tamiami areas until they are cleared. A phased opening could possibly occur during the week of October 2. Resource Advisers are working with air operations personnel to inspect remote areas to determine accessibility. Some areas have been cleared, and some stations have been found to be heavily damaged.

A repeater at the Gulf Coast area was checked on Tuesday by boat. The repeater is functioning, but some corrosion was found that will need to be addressed for continued operations. Gulf Coast residents have moved back into their houses. Additional saw crews are being requested.

- Dry Tortugas National Park (DRTO): Initial stabilizations efforts have been completed at the park.
- Castillo de San Marcos National Monument (CASA): The park is open and awaiting a team for final hazard mitigation. Hazardous areas have been secured to prevent public access.
- Fort Matanzas National Monument (FOMA): The park is open, but the visitor center area remains closed, pending the completion of hazard limb and tree removal. Beach and island areas of the park are open to the public, but the fort will remain closed until the park's ferry boats undergo repairs and visitor service to the fort can be restored.
- Timucuan Ecological and Historic Preserve (TIMU): The park is open, with select areas partially closed due to overhead hazards.
- Fort Pulaski National Monument (FOPU): The park remains closed. The visitor's center water tank replacement has been approved and is pending contractor delivery. Allegheny Portage Railroad National Historic Site (ALPO) personnel will depart today and return to their home station. The park is reporting that 60 volunteers will be onsite Saturday for Public Lands Day to assist with debris removal.



- Cape Lookout National Seashore (CALO): The park remains closed, and no resources are needed at this time.
- Outer Banks Group: All Outer Banks Group parks (Fort Raleigh National Historic Site, Wright Brothers National Memorial, and Cape Hatteras National Seashore) were closed yesterday due to Maria. Reports indicate that minor flooding occurred in some areas of Ocracoke and Hatteras islands. An assessment team was expected to survey the parks yesterday. If no significant damage is observed, all three parks will likely open at some point today.

### **Fish & Wildlife Service - Maria and Irma Update**

Source: U.S. Fish & Wildlife Service (USFWS) - September 27, 2017

As of September 27, the USFWS has accounted for 60 of the 61 USFWS personnel in Puerto Rico and the U.S. Virgin Islands. The last employee is believed to have been located, but the confirmation is pending at this time. To date, the USFWS has mobilized nearly 100 personnel in support of recovery and response operations.

- USFWS Team 1 received two additional members on September 26 for a total of six currently making up the team. The team continues to complete life and wellness checks in the Cabo Rojo area with a priority of delivering supplies to affected employees.
- USFWS Team 2, comprised of a 14-person Type-3 Incident Management Team (IMT), worked in the USFWS Puerto Rican Parrot area of operations assisting with debris removal and repairing cages. The team planned to commute, via aircraft, to Vieques to deliver supplies and return during the operational period. A portion of the team will go to Cabo Rojo to deliver satellite phones and other supplies.
- USFWS Region 4 is considering planning efforts to enable rotation of staff to maintain team presence in Puerto Rico in the coming weeks. Four USFWS aircraft are being made available to support USFWS and FEMA missions in Puerto Rico. All aircraft will depart from southern Florida and arrive in Aguadilla, Puerto Rico between September 28 and early next week. A NPS vessel is carrying USFWS supplies with delivery expected on September 28 in Puerto Rico.
- The Cabo Rojo National Wildlife Refuge (NWR) is conducting inventory and working with local police to continue welfare checks. The Culebra NWR is continuing clearing operations, removal of debris, and assisting the community.
- The Vieques NWR is working with the Vieques Fire Department, and people in the community are currently clearing roads. The USFWS has crossed trained personnel to operate equipment and chainsaws. All of the USFWS heavy equipment on Vieques is being utilized to assist the community with road clearing. Three satellite phones were initially thought to have been delivered to the Mayor of Vieques and community leaders; however, only two were ordered and delivered to private citizens. The refuge manager will train community leaders on how to use a satellite phone.

## **Other Federal and State Government Reporting**

### **Explosion at Natural Gas Facility in Puerto Rico**

*Source: FEMA National Response Coordination Center – September 28, 2017*

Media reports indicate that an explosion occurred yesterday at the Techno Gas Company in Corozal, Puerto Rico. The explosion resulted in injuries to three workers. According to reports, the resulting fire is under control, but the surrounding area has been evacuated. Communications in the area remain extremely limited.

### **DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – September 28, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of September 28 at 4:00 a.m. EDT:

- *Puerto Rico:* Sixteen confirmed fatalities have been reported in Puerto Rico, and approximately 44-percent of the population remains without drinking water services. A Boil Water Notice is in effect. Over 3,400 residents have registered for Individual Assistance in Puerto Rico. There are 52 wastewater treatment plants in Puerto Rico with 9 being open, 19 being closed, and 24 are in an unknown operational status. Thirty-seven of 69 hospitals had assessments conducted, and 29 are operational at this time. The U.S. Department of Health and Human Services (HHS) will deploy five 250-bed Federal Medical Stations and two Disaster Medical Assistance Team caches by September 29.

The Guajataca Dam's reservoir pool continues to decline, and the U.S. Army Corps of Engineers is providing 900 "super" sandbags to assist in the dam's stability. Assessments of roads indicate more than 18 bridges are damaged and at least 7 of those are National Highway System bridges. One Incident Response Coordination team, eight Health and Medical Task Forces, one Service Access Team, one Disaster Mortuary Operations Response Team, and two Joint Patient Assessment Tracking Teams are engaged in San Juan. Fifteen U.S. Coast Guard (USCG) National Strike Force personnel are expected to arrive in Puerto Rico today to conduct post-storm assessments and recovery operations. A USCG Mobile Medical Unit deployed from Travis Air Force Base in California and is expected to arrive in Borinquen today.

- *U.S. Virgin Islands:* Media sources report one fatality in the U.S. Virgin Islands. Three of nine water systems in St. Croix tested positive for E.coli bacteria and will require disinfection of their cistern-based systems. Incident Support Bases (ISBs) are being established at the Cyril E. King Airport on St. Thomas and at Limetree Bay on St. Croix. The Department of Defense is working to fulfill a request by St. Croix for a mobile medical facility. Power has been restored to the Cyril E. King Airport, and the Federal Aviation Administration (FAA) tower is operational. The airport is expected to open with limited commercial operations today. Major debris and sinkholes are impacting

roads and bridges, making some impassable. Over 6,600 residents have registered for Individual Assistance.

**Major Disaster Declaration - Seminole Tribe of Florida**

*Source: Federal Emergency Management Agency - September 27, 2017*

On September 27, the President approved a Major Disaster Declaration (FEMA-4341-DR) for the Seminole Tribe of Florida as a result of Hurricane Irma beginning on September 4 and continuing. The declaration provides for Individual and Public Assistance for the Seminole Tribe of Florida and associated lands. The Public Assistance is for a period of up to 30 days from the start of the incident period, and FEMA is authorized to provide federal funding for emergency protective measures (Category B), including direct federal assistance, at 100-percent of the total eligible costs. The declaration also provides for Hazard Mitigation.

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 28, 2017:**

There are currently a total of 15 DOI Personnel supporting the response under the FEMA mission assignments.

<b>DOI Personnel Supporting HARVEY MAs</b>					<b>15</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>TX</b>	<b>\$1M</b>	<b>10</b>	<b>4332DR-TX-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>8</b>	<b>NPS</b>	<b>TX</b>	<b>N/A</b>	<b>2</b>	<b>N/A</b>
<b>SOW:</b> Support patient movement, well water sampling, and the HHS Operations Center.					
<b>15</b>	<b>OCO</b>	<b>Austin, TX</b>	<b>\$10,000</b>	<b>1</b>	<b>4332DR-TX-DOI-09</b>
<b>SOW:</b> Provide public affairs expert to support the FEMA Joint Information Center.					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Austin, TX</b>	<b>\$109,700</b>	<b>2</b>	<b>4332DR-TX-DOI-08</b>
<b>SOW:</b> Deploy Field Coordinator(s) to the Joint Field Office to support the NCR RSF.					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 10 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01.

## Wildland Fire Activity

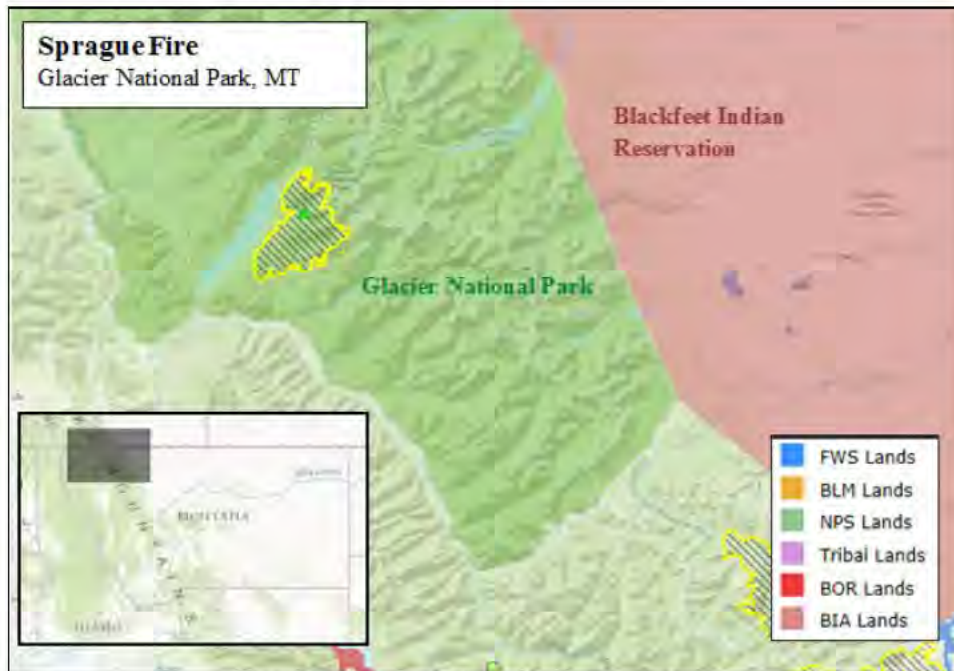
Source: Fire and Aviation Management Website - September 28, 2017

### Montana

#### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,927 (+137)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 71 (-4) / 4 (no change)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior was observed yesterday, but moderate fire behavior is expected over the next 72 hours. A total of 405 structures continue to be threatened by the fire activity, with 149 of these structures listed on the National Register of Historic Places. Road, trail, and area closures remain in effect.



*IGEMS Image*

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 28, 2017

## National Preparedness Level 3

### National Fire Activity

Initial attack activity:	Light (62 new fires)
New large fires:	2
Large fires contained:	1
Uncontained large fires: **	10
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	3
Type 2 IMTs committed:	12

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## ***Volcano Activity***

### **Bogoslof Volcano, AK (Final Report)**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 27, 2017*

**Alert Level = ADVISORY**

**Color Code = YELLOW**

On September 27, the AVO lowered the Aviation Color Code at the Bogoslof Volcano to Yellow and the Volcano Alert Level to Advisory following four weeks of relative inactivity since the last explosion on August 30. It is uncertain whether the 2016-17 eruptive period has ended, or if the current quiet period is only a pause in a longer eruptive episode. Thus far in the 2016-17 unrest period, there have been pauses in activity of up to two months between explosions, so it remains possible for the volcano to reawaken and erupt explosively in the coming weeks to months. A Temporary Flight Restriction (TFR) remains in effect over the volcano. This will be the final report for the Bogoslof Volcano, unless the AVO increases the Volcano Alert Level and Aviation Color Code due to additional activity.

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, but no significant activity has been detected in seismic or infrasound data since the short-duration explosion on September 26. Nothing of note was observed in mostly cloudy satellite data and web camera images.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 27, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at the summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Low rates of ground deformation and seismicity continue across the volcano.

## ***Significant National Weather***

*Source: National Weather Service - September 28, 2017*

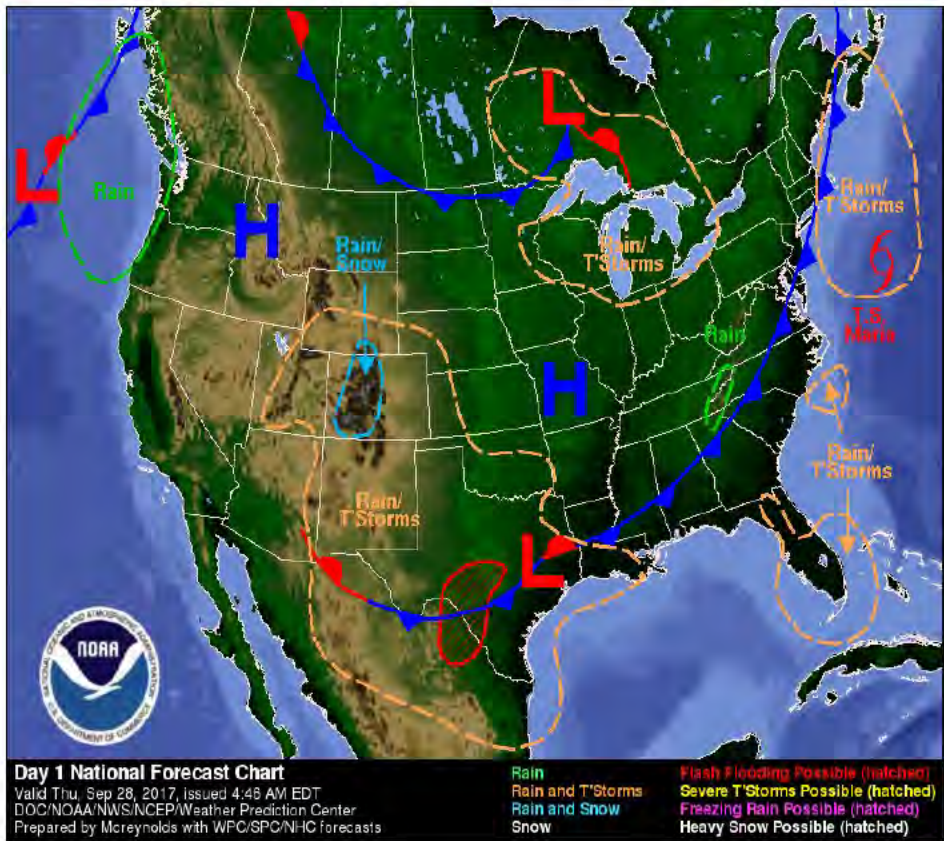
### **Today**

A cold front stretching from New England to the Deep South will lead to a few showers and thunderstorms across the Northeast today. This front will move southeastward and off shore,

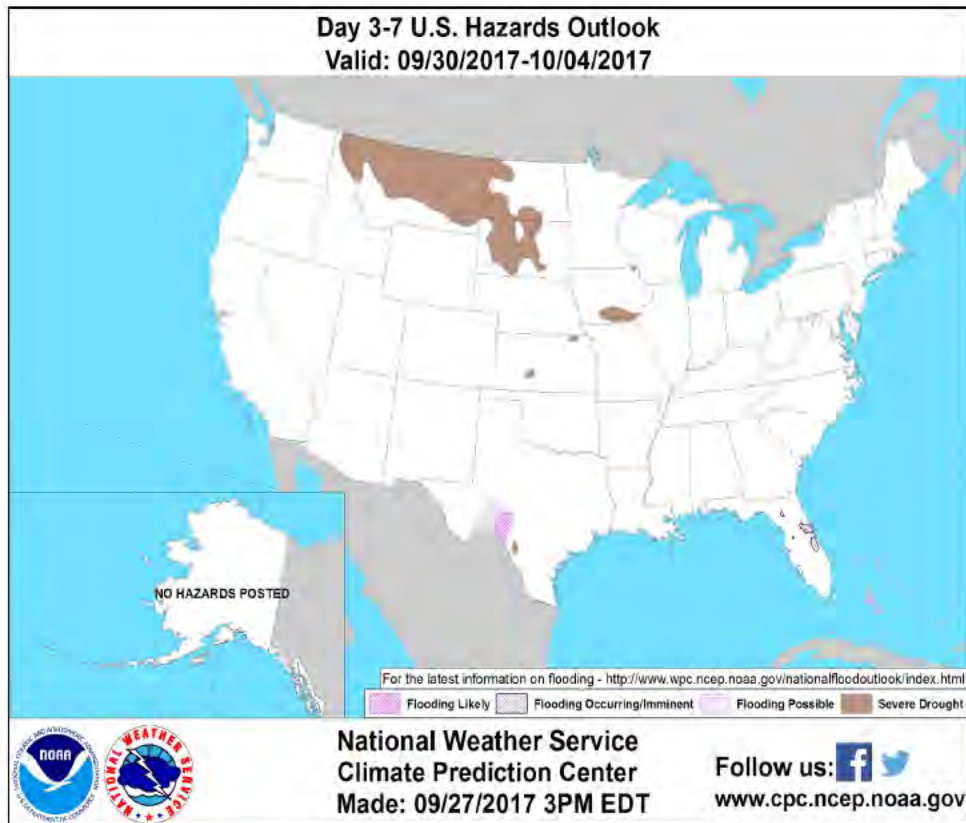
ushering in cooler temperatures for much of the East Coast. Heavy rainfall is expected to continue across the southern Plains due to high amounts of moisture and a stationary front stretching across southern Texas and a low pressure system along the western Gulf Coast. Flash flooding will be a concern across south-central Texas and northern New Mexico. Elsewhere, a low pressure system moving into the Great Lakes could bring scattered rain showers and thunderstorms to Wisconsin and Michigan, and showers and thunderstorms may develop across southern Florida due to a developing low pressure system.

**Tomorrow**

A low pressure system over the Deep South will stretch a cold front across the northern Gulf Coast and into southern Texas. Showers and thunderstorms in the vicinity of this system are expected, especially in the Southeast, the southwestern Plains, and portions of the southern Rockies. Temperatures will be cold enough in some of the higher elevations for some snow. A low pressure system moving through the Great Lakes will help bring rain and thunderstorms to portions to the eastern Great Lake states and into New England. A system moving into the Pacific Northwest from the Pacific Ocean should bring rain to Washington and Oregon on Friday. The higher elevations of the Washington Cascade Mountains could see some snow mixed in with the rain.



## Weather Hazard Assessment

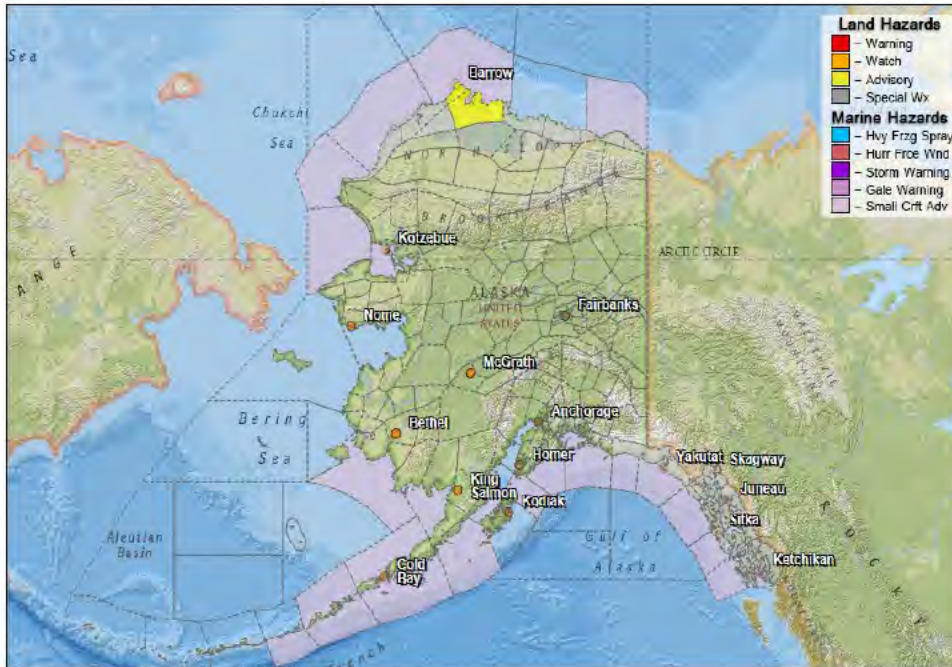


- September 28: Flooding is occurring or imminent in the northern and central portions of Florida.
- September 28: Flooding is possible and likely across portions of the Edwards Plateau in southwestern Texas.
- September 28: Severe drought across portions of the Plains, the Mississippi Valley, the northern Rockies, and Hawaii.
- October 5-6: Slight chance of much below-normal temperatures for parts of northeastern California and the Great Basin.

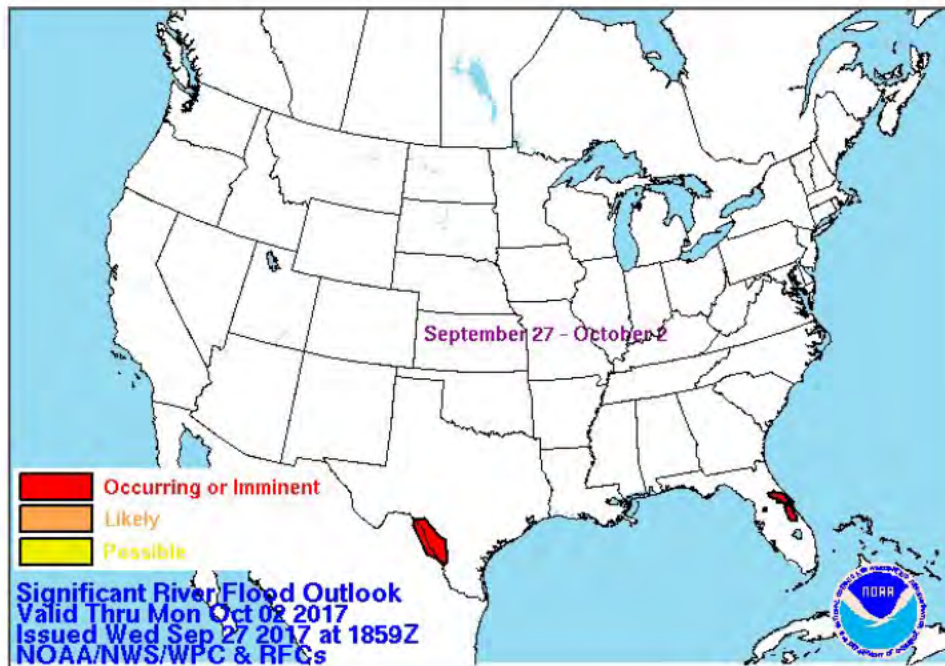
### Alaska Weather

A Small Craft Advisory is in effect for much of the Gulf of Alaska, the central and eastern Aleutian Islands, the Bristol Bay, the Kuskokwim Delta, the Etolin Strait, the Kotzebue Sound, from Wales to Cape Halkett, and from Flaxman Island to Demarcation Point. There is a High Surf Advisory in effect for the Teshekpuk Lake.





### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida and southwestern Texas.

### Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

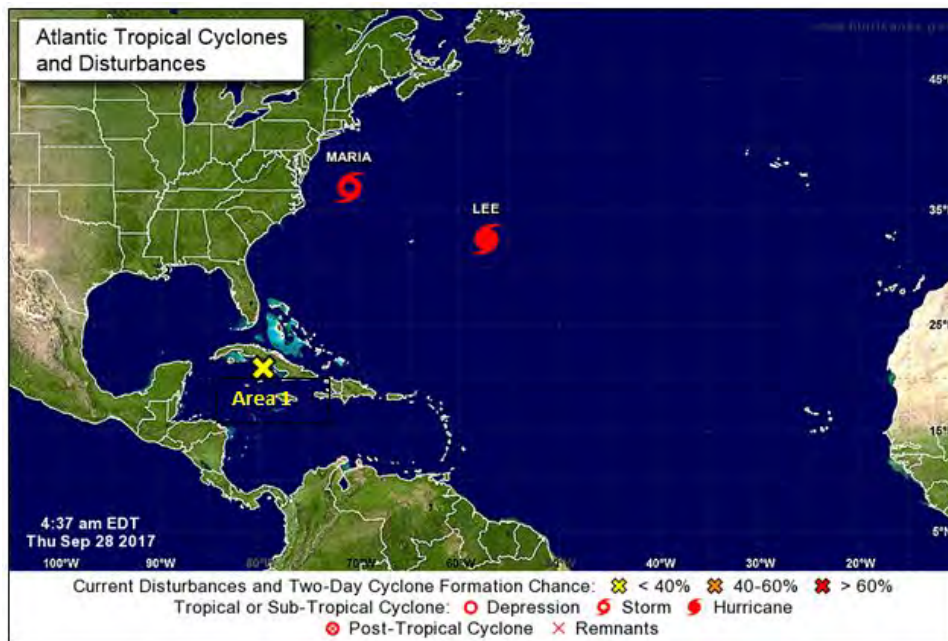
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 28, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



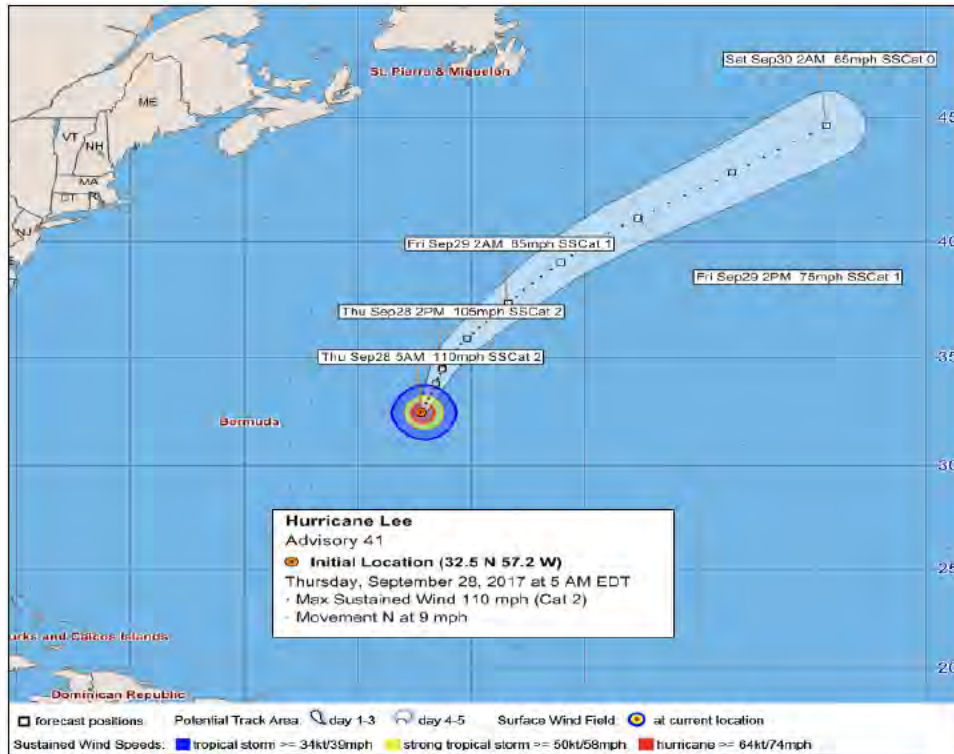
### Area 1:

A large area of cloudiness and showers extending from the northwestern Caribbean Sea to the Bahamas is associated with a surface trough interacting with an upper-level low. An area of low pressure is likely to form from this weather system while it moves northward across Cuba and near the eastern coast of Florida during the next few days. Environmental conditions appear conducive for development before upper-level winds become less favorable early next week. Regardless of development, this system is likely to produce locally heavy rainfall over portions of Cuba, southern Florida, the Florida Keys, and the Bahamas during the next several days. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

### Tropical Storm Maria:

Tropical Storm Maria is summarized in the beginning of this report.

## Hurricane Lee:



HURREVAC Image

At 5:00 a.m. EDT, Hurricane Lee was located approximately 445 miles to the east of Bermuda and moving toward the north at near 9 mph. A faster motion toward the north-northeast or northeast is expected to begin later today. Maximum sustained winds are 110 mph, with higher gusts, and gradual weakening is expected during the next 48 hours. There are no coastal watches or warnings in effect at this time.

## Eastern Pacific Ocean

No tropical cyclone activity is expected during the next 48 hours.

*\*End of Report\**

## Distribution:

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, September 29, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 3**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 2 (Severe Operations)**

## Tropical Storm Maria - Atlantic Ocean

### **General Situation**

*Source: National Weather Service/National Hurricane Center – September 29, 2017*

At 5:00 a.m. EDT, Tropical Storm Maria was located approximately 350 miles to the north-northeast of Bermuda and moving toward the east at 21 miles per hour (mph). A turn toward the east-northeast at an even faster forward speed is expected later today, and Maria will continue to accelerate toward the northern Atlantic Ocean through at least Sunday. Maximum sustained winds are 60 mph, with higher gusts, and little change in strength is expected during the next 48 hours.

There are no coastal watches or warnings in effect at this time, but swells generated by Maria are affecting much of the eastern coast of the United States, portions of eastern Canada, and Bermuda. These swells are likely to cause life-threatening surf and rip current conditions.

The National Weather Service is reporting that a weather system will produce heavy rainfall today and tomorrow over Puerto Rico and the U.S. Virgin Islands, which will aggravate already swollen rivers and cause flooding in low-lying areas. Flash Flood Watches are in effect for both locations.



HURREVAC Image

**DOI Mission Assignments as of September 29, 2017:**

There are a total of 221 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b>DOI Personnel Supporting MARIA Mission Assignments (MA)</b>					<b>144</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
4	DOI Wide	PR	Unknown	57	Unknown
<b>Statement of Work (SOW):</b> Incident management team and saw crews for clearing operations					
5	OEM	FEMA HQ	\$15,000	2	4340DR-VI-DOI-01
<b>SOW:</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
9	NPS	FEMA HQ	\$10,000	1	1509-240274
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group at FEMA HQ					
13	OLES	PR	\$7.2M	84	3388EM-FL-USDJ-01
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					

<b>DOI Personnel Supporting IRMA Mission Assignments (MA)</b>					<b>77</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>4</b>	<b>DOI Wide</b>	<b>PR</b>	<b>Unknown</b>	<b>14</b>	<b>Unknown</b>
<b>SOW:</b> Incident management team and saw crews for clearing operations					
<b>5</b>	<b>USGS</b>	<b>PR</b>	<b>\$200,000</b>	<b>1</b>	<b>PR-17090102-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>GA Coast</b>	<b>\$135,000</b>	<b>1</b>	<b>GA-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>SC Coast</b>	<b>\$170,000</b>	<b>1</b>	<b>SC-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>FL Coast</b>	<b>\$527,500</b>	<b>30</b>	<b>3385-FL-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>BIA</b>	<b>FL</b>	<b>\$15,000</b>	<b>1</b>	<b>3388EM-FL-DOI-01</b>
<b>SOW:</b> Deploy Liaison to FL to coordinate with the Region 4 Tribal Liaison and the Seminole Tribe, as well as other affected tribes in the state.					
<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4337DR-FL-DOI-8</b>
<b>SOW:</b> Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC					
<b>Non ESF</b>	<b>DOI Wide</b>	<b>Various</b>	<b>\$700,000</b>	<b>26</b>	<b>4377DR-FL-DOI-03</b>
<b>SOW:</b> Provide FEMA with additional staff to support Surge Capacity Force Teams.					
<b>Non ESF</b>	<b>DOI</b>	<b>GA</b>	<b>\$5,000</b>	<b>1</b>	<b>4337-FL-DOI-06</b>
<b>SOW:</b> Support DOI and Tribal matters at the Region 4 Regional Response Coordination Center (RRCC).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Orlando, FL</b>	<b>\$127,211</b>	<b>1</b>	<b>4337-FL-DOI-07</b>
<b>SOW:</b> Deploy Field Coordinator(s) to FL Joint Field Office to support Natural and Cultural Resources Recovery Support Function (NCR RSF).					

**DOI Personnel Numbers as of September 28, 2017**

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of September 28, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>USFWS</b>	0	0	0	20
<b>USGS</b>	0	0	0	2
<b>NPS</b>	0	7	0	17

<b>Personnel Stationed and Remaining in Place As of September 28, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>BSEE</b>	0	0	0	1
<b>OS</b>	0	0	0	1
<b>USFWS</b>	3	0	0	58
<b>USGS</b>	0	0	0	30
<b>NPS</b>	17	34	0	96

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had 30 personnel surveying high water marks (HWMs) and processing data in Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. Three personnel also continued operations under Mission Assignments in Puerto Rico (PR-17090102-USGS-01), Georgia (GA-17083101-USGS-01), and South Carolina (SC-17083101-USGS-01).

**ESF #9 (Search and Rescue)**

- **ESF #9 - National Park Service (NPS):** The Federal Search and Rescue Coordination Group (FSARCG) has demobilized, and there will be no additional reporting for Maria.

**ESF #11 (Agriculture and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** A MA for ESF #11 for Natural, Cultural, and Historical Properties (NCH) will likely be issued late this week or early next week. The MA will request DOI to provide support to FEMA's

Office of Environmental Planning and Historic Preservation for their public assistance work. OEPC is working with the Office of Emergency Management (OEM), the Emergency Management Council (EMC), and the Environmental Safeguards Group to identify DOI staff who have the expertise and availability. OEPC is also coordinating with OEM on utilizing the FEMA surge list to identify additional staff who may be able to support the MA.

## **DOI Bureau and Office Reporting:**

### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (USFWS) - September 28, 2017*

As of September 28, the USFWS has accounted for 61 of the 61 USFWS personnel in Puerto Rico and the U.S. Virgin Islands. Many areas continue to be in critical need of life saving and sustaining supplies such as food, water, and power. Fuel remains in short supply, and efforts to conserve are necessary until additional fuel becomes available in the area. Communication is improving slightly, but is still considered to be functioning at minimal levels. There is a concern regarding the coordination of those personnel arriving to assist, primarily due to the lack of any functional ability to communicate. Theft of generators, supplies, and fuel is occurring throughout many communities, and employee safety under these conditions remains a concern.

USFWS Team 1 reports employee welfare and life sustaining checks continue to go well, with more contacts being made with employee family members, including the distribution of water and meal ready to eat (MRE) supplies. The team is relaying the status of located family members back to employees who are involved in response activities. The team is focused on air operations and is working with U.S. Customs and Border Protection (CBP) to determine how to get food and supplies to rural locations and providing support to CBP in their efforts to evacuate a family in Vieques. The team is also coordinating the use of an aircraft to deliver vital supplies to a Special Agent and Wildlife Inspector that are without a generator.

USFWS Team 2 divided their 14-person team and worked in two different areas of operation yesterday. A portion of the team worked in the Puerto Rican Aviary area clearing trees and debris for road access, providing assistance for the stabilization of employee housing, and assisting the local community in Vieques along with the U.S. Coast Guard (USCG).

### USFWS Caribbean Stations

- *Cabo Rojo National Wildlife Refuge (NWR):* Responders are continuing to perform inventory and assessing damage to employee housing. The responders are also working with local police in conducting welfare checks and addressing employee safety. A significant amount of assistance and supplies continue to be needed by the local community.



- Culebra NWR: The refuge is conducting cleanup operations, debris removal, and assisting the community. An incident management staff member was scheduled to visit the Culebra Disaster Center yesterday.
- Vieques NWR: The refuge is continuing work to stabilize employee residences and provide assistance to the community. Two additional satellite phones have been requested and will be sent to the Incident Commander.

USFWS staff are facilitating communication between the Mayor of Vieques and other federal agencies, such as the Veterans Administration (VA), the American Red Cross (ARC), and the National Response Coordination Center (NRCC) DOI Liaison regarding employee accountability and lifesaving supply needs. ESF-13, the NRCC DOI Liaison, and USFWS staff met with the Vieques NWR Manager and the Mayor of Vieques via satellite phone to discuss the Mayor's request for law enforcement support. The Mayor is requesting law enforcement support for approximately a month. ESF-13 staff explained the process by which the Mayor must submit the request formally through the Governor's office in order to prioritize assistance.

### **National Park Service - Maria and Irma Update**

Source: National Park Service – September 28, 2017

The NPS is reporting that all employees remain accounted for. The NPS Acting Director, the Southeast Regional Director, and the Chief of Law Enforcement, Security, and Emergency Services visited Florida to offer support and to assess damages. The following park updates have been provided by the NPS:

#### Caribbean Parks

- Christiansted National Historic Site (CHRI): The park is closed, and cleanup efforts continue. Employees were able to obtain supplies from the FEMA points of distribution (PODs) yesterday.
- Virgin Islands National Park (VIIS): The park is closed. Employees assessed the housing locations yesterday and began debris removal, and the park worked to restore radio communications in St. John. The headquarters building continues to operate on generator power.
- San Juan National Historic Site (SAJU): The park is closed. The NPS Motor Vessel Fort Jefferson arrived in the Port of San Juan yesterday afternoon and will begin the transit to St. John today. Initial debris removal has been completed around the fort.



*NPS Image: M/V Fort Jefferson Arriving in San Juan, Puerto Rico*

#### Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The park remains closed to all visitor use, and access is limited to landowners only. An aerial reconnaissance occurred yesterday to assess backcountry conditions. The unpaved portions of the Loop Road remain closed due to downed trees and clearing operations.
- *Biscayne National Park (BISC)*: The park remains closed. Park crews are continuing to assess and mitigate hazards around Convoy Point and the Dante Fascell Visitor Center before the site can open to visitor use. The last pieces of the damaged boardwalk were removed yesterday. On September 30, the park will host a volunteer opportunity for National Public Lands Day, and participants will help remove debris and trash.
- *Everglades National Park (EVER)*: The park is partially open. The Homestead visitor entrance is open daily providing visitor access to the Ernest F. Coe Visitor Center and the Anhinga Trail. The park closes at night for safety and security purposes. Efforts to open the main road to Long Pine Key are ongoing. Visitor restrooms and water are currently only available at the Ernest F. Coe Visitor Center. All other areas of the park remain closed, including the Flamingo, the Shark Valley, and the Gulf Coast areas.
- *Dry Tortugas National Park (DRTO)*: The park is open, but some closures exist in areas within the park. Ferry and seaplane operations from Key West will resume today.
- *Cumberland Island National Seashore (CUIS)*: The park is closed. Saw crews and an Arborist Incident Response (AIR) team continue to work along the main road for the entire the length of island. Crews are also in the process of cleaning the visitor center, the museum, and the warehouse on the mainland.

- Fort Matanzas National Monument (FOMA): The park is partially open, but the visitor center area of the park will remain closed pending the removal of hazardous limbs and trees. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to ferry boats can be completed.
- Fort Pulaski National Monument (FOPU): The park remains closed, and personnel are assessing tree damage for removal. Water tank replacement and electrical work is planned for early next week. On September 30, the park will host a volunteer opportunity for National Public Lands Day, and participants will assist with debris removal. Entrance station personnel have resumed selling park passes.

### **Office of Environmental Policy and Compliance - Irma Update**

Source: Office of Environmental Policy and Compliance (OEPC) - September 28, 2017

- Natural and Cultural Resources (NCR) Recovery Support Function (RSF): OEPC deployed a Field Coordinator to the Joint Field Office (JFO) in Orlando on September 21. The Field Coordinator is working with other federal agencies, and the state in developing the Mission Scoping Assessment to identify impacts. OEPC will be deploying another Field Coordinator to the JFO later this week.

### **DOI Support to the FEMA Surge Capacity Force**

Source: DOI Office of Emergency Management - September 28, 2017

Twenty-three employees from the DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group received their training in Anniston, Alabama and will be deploying to the field in Texas and Florida today. The group is comprised of ten NPS personnel, five Bureau of Land Management (BLM) personnel, three Office of Inspector General (OIG) personnel, two USGS personnel, two Bureau of Ocean Energy Management (BOEM) personnel, and one Bureau of Safety and Environmental Enforcement (BSEE) employee. The OEM is working with FEMA to deploy an additional 18 DOI volunteers by October 4 and nine DOI volunteers by October 8.

### **Other Federal and State Government Reporting**

#### **DHS National Operations Center Situational Update**

Source: DHS National Operations Center – September 29, 2017

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of September 29 at 3:30 a.m. EDT:

- Puerto Rico: Confirmed fatalities remain at 16 in Puerto Rico. All eight commercial airports are operational, and three water treatment plants have been assessed with test results expected today. Seventeen public water systems were sampled, and eight tested

positive for E.Coli bacteria and will need to be disinfected. A USCG Cutter provided potable water for residents in Vieques yesterday.

Sixty-one of 68 hospitals have been assessed, and one is fully operational, 55 are open with limited operations, and five are closed. The status of the remaining 7 hospitals is unknown at this time. The hospital ship USNS Comfort will depart Norfolk, Virginia today and is expected to arrive in the area next week. A USCG Mobile Medical Unit arrived in Borinquen yesterday.

Personnel from the U.S. Army Corps of Engineers (USACE) have completed a damage assessment at the Guajataca Dam and are working with FEMA, local authorities, and civilian engineers to develop repair plans. An Italian flagged passenger/cargo ship is en-route to Puerto Rico to provide responder berthing, and the USCG will meet the ship in the Canary Islands to perform inspections. Over 3,500 residents have registered for Individual Assistance in Puerto Rico.

- *U.S. Virgin Islands:* Media sources report one fatality in the U.S. Virgin Islands. A territory-wide Boil Water Advisory has been issued. An assessment of the Schneider Regional Hospital on St. Thomas will be completed today to determine when patient services may resume. The Department of Defense is working to fulfill a request by St. Croix for a mobile medical facility. Over 6,900 residents have registered for Individual Assistance in the U.S. Virgin Islands.

The FEMA NRCC remains is activated to Level I (Full Activation), with Crisis Action Planning teams for housing, fossil fuel, and power restoration. The Puerto Rico and the U.S. Virgin Islands Emergency Operations Centers (EOCs) remain at Full Activation, and the Florida EOC is at Partial Activation. All FEMA Mobile Emergency Response Support (MERS) assets are on site with over 30 personnel in Puerto Rico and 20 personnel in the U.S. Virgin Islands. The MERS assets and personnel are supporting Urban Search and Rescue (US&R) operations, the National Disaster Medical System, and the Incident Management Assistance Teams.

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of September 29, 2017:**

There are currently a total of 22 DOI Personnel supporting the response under the FEMA mission assignments.

<b>DOI Personnel Supporting HARVEY MAs</b>					<b>22</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>4</b>	<b>OS</b>	<b>FEMA HQ</b>	<b>Unknown</b>	<b>3</b>	<b>Unknown</b>
<b>SOW: Provide support for the FEMA NRCC.</b>					

4	FWS	TX	Unknown	4	Unknown
SOW: Incident management team and saw crews for clearing operations					
5	USGS	TX	\$1M	10	4332DR-TX-USGS-01
SOW: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
8	NPS	TX	N/A	2	N/A
SOW: Support patient movement, well water sampling, and the HHS Operations Center.					
15	OCO	Austin, TX	\$10,000	1	4332DR-TX-DOI-09
SOW: Provide public affairs expert to support the FEMA Joint Information Center.					
NCR RSF	OEPC	Austin, TX	\$109,700	2	4332DR-TX-DOI-08
SOW: Deploy Field Coordinator(s) to the Joint Field Office to support the NCR RSF.					

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 10 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01.

### **DOI Bureau and Office Reporting:**

#### **Office of Environmental Policy and Compliance - Harvey Update**

*Source: Office of Environmental Policy and Compliance (OEPC) - September 28, 2017*

- Natural and Cultural Resources (NCR) Recovery Support Function (RSF): Two OEPC Field Coordinators are deployed to the JFO in Austin, Texas. The Field Coordinators are working with other federal agencies, the Texas Department of Parks and Wildlife, the Texas General Land Office, and the Texas Historical Commission in developing the Mission Scoping Assessment to identify impacts that will need to be addressed under long term recovery efforts.

#### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - September 29, 2017*

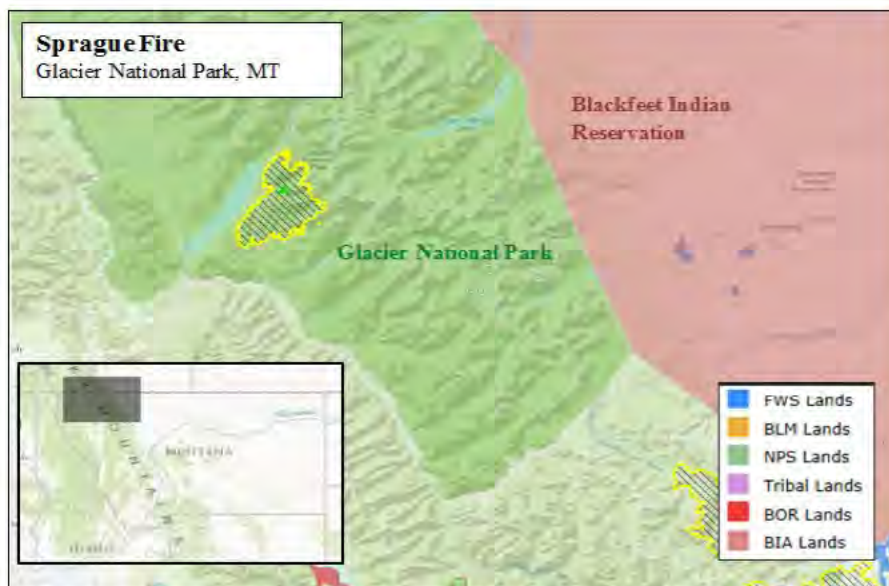
#### **Montana**

##### **Sprague Fire**

- Start Date: August 10
- Location: Glacier National Park, MT (NPS)

- Burned Acres: 16,921 (-6)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 77 (+6) / 25 (+21)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior was observed yesterday and is expected to continue over the next 72 hours. A total of 405 structures continue to be threatened by the fire activity, with 149 of these structures listed on the National Register of Historic Places. Road, trail, and area closures remain in effect.



IGEMS Image

## Large Fire Map



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – September 29, 2017

### National Preparedness Level 3

### National Fire Activity

Initial attack activity:	Light (70 new fires)
New large fires:	2
Large fires contained:	0
Uncontained large fires: **	12
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	9

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – September 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano. Two small explosions were detected in infrasound and seismic data on Thursday morning, and these events were many times smaller than the explosion on September 26. Elevated surface temperatures were observed in satellite data, and a weak plume was observed in web camera images emanating from the summit crater.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – September 28, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

There have been no significant changes in the eruptions at the Kīlauea Volcano. Activity continues at the summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Typical rates of ground deformation and seismicity continue across the volcano.

## **Significant National Weather**

*Source: National Weather Service - September 29, 2017*

### **Today**

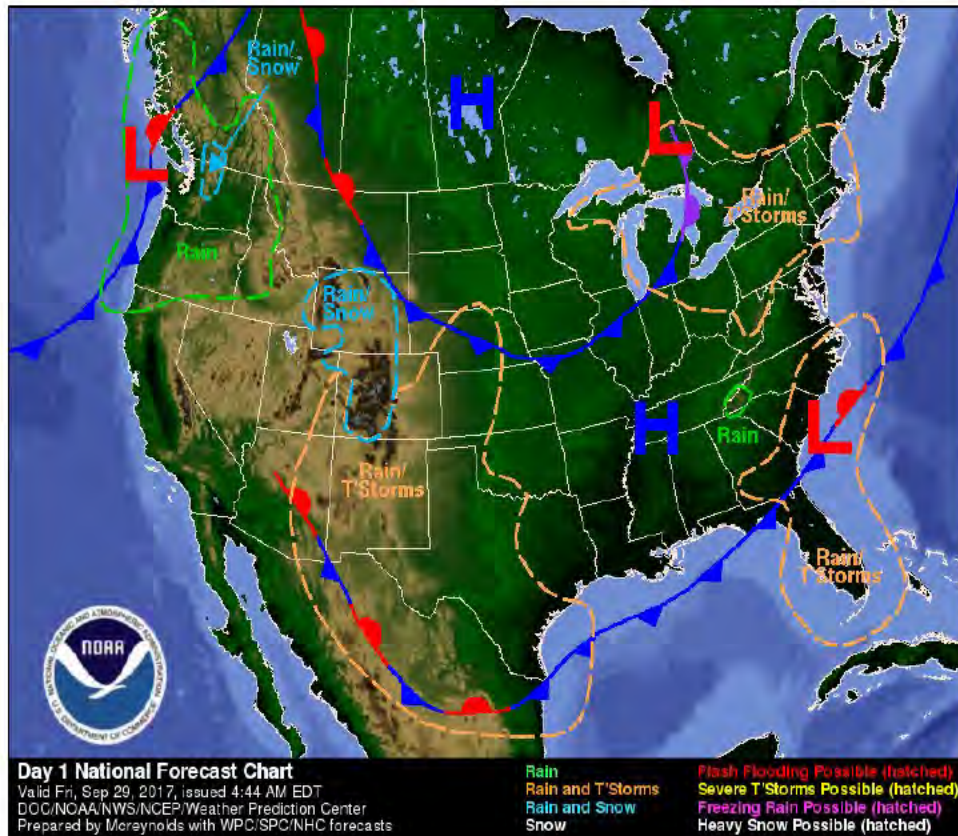
Showers and thunderstorms over southern Florida will increase over the next few days as a weather system over the eastern Gulf of Mexico moves slowly over the area. The rain is forecast to expand northward across the Southeast coastal region. A marginal risk of flash flooding will be possible over the next few days as some of these thunderstorms could produce heavy downpours that may lead to flash flooding. Rain and thunderstorms will also develop over the Great Lakes and the Northeast, as well as portions of the Southwest and the southern Rockies. Heavier amounts will occur along the higher terrain of central New Mexico today before shifting northward to western Colorado and Wyoming. Higher elevation snow is expected for the higher peaks of the central Rockies, and excessive rainfall is possible in southern Texas and New Mexico. Rain is expected across the Northwest and portions of the northern Rockies.

### **Tomorrow**

Rain and thunderstorms will develop tomorrow across Florida, the Southeast coastal regions, portions of the eastern Gulf coastal area, the Northeast, and the mid-Atlantic coast. Rain and

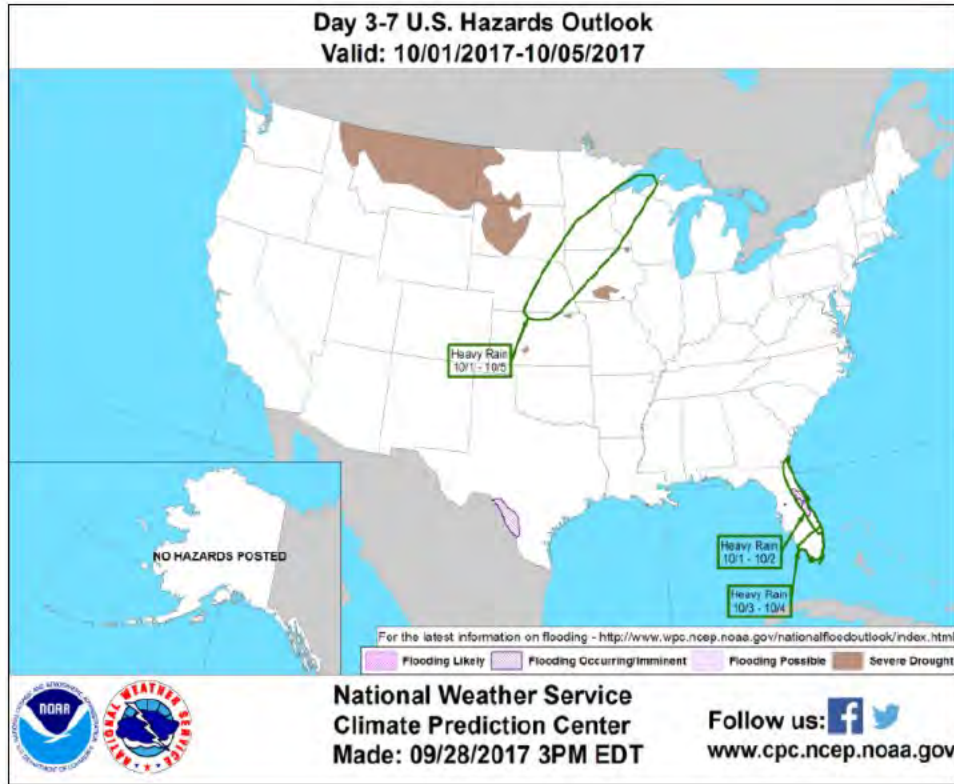


thunderstorms will develop from Mexico northward to the northern High Plains and portions of the Great Basin. Rain and snow are forecast for the Rockies and the Cascades, and rain will occur across coastal sections of Oregon, Washington, southwestern British Columbia, and Vancouver Island.

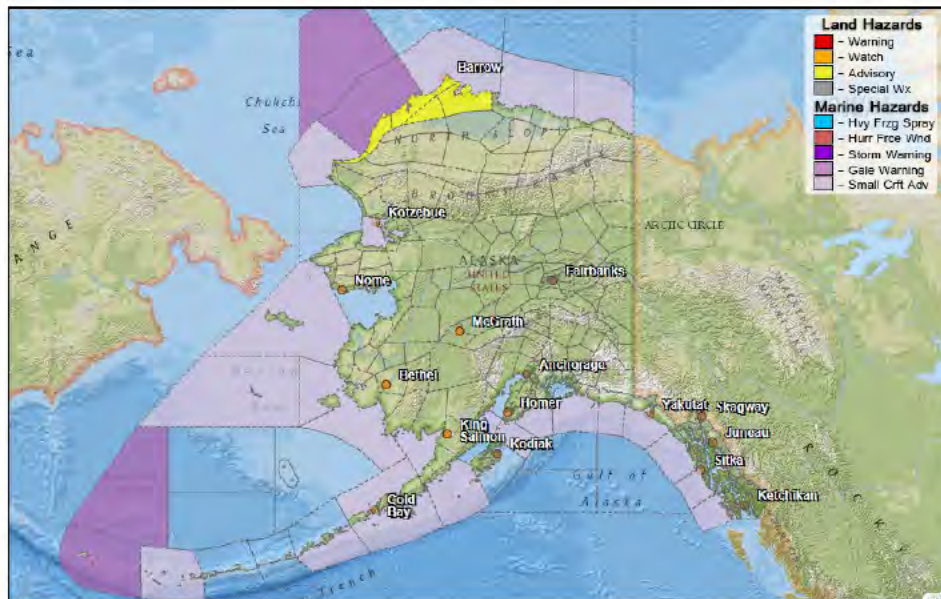


### Weather Hazard Assessment

- September 29: Severe drought is occurring across portions of the central Plains, the northern Plains, the southern Plains, Hawaii, the northern Rockies, and the middle and upper Mississippi Valley.
- October 1-2: Heavy rain is expected for parts of eastern Florida.
- October 1-5: Heavy rain is expected across portions of the central and northern Plains, the middle and upper Mississippi Valley, and the Midwest.
- October 3-4: Heavy rain is expected across southern Florida.

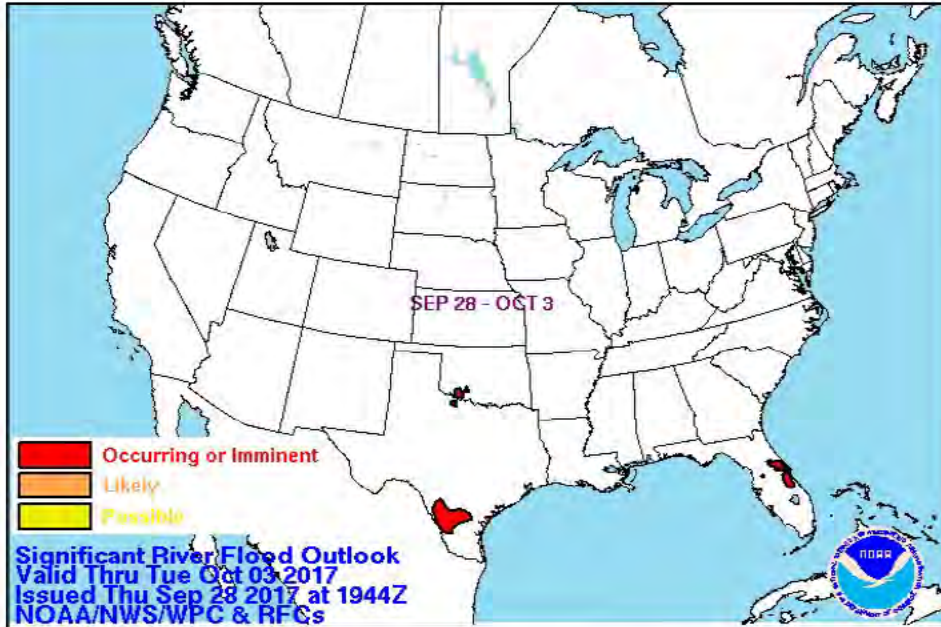


## Alaska Weather



A Gale Warning is in effect today in the western Aleutian Islands and from Cape Beaufort to Point Franklin. A Small Craft Advisory is in effect in the Gulf of Alaska, the eastern Aleutians, from Adak to Kiska, St. Matthew Island, St. Lawrence Island, much of Alaska's western coast, from Cape Thompson to Cape Beaufort, and from Point Franklin to Demarcation Point. A High Surf Advisory is in effect from Cape Lisburne to Teshekpuk Lake.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, southern Texas, north-central Texas, and south-central Oklahoma.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today in southwestern New Mexico and southeastern Arizona.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

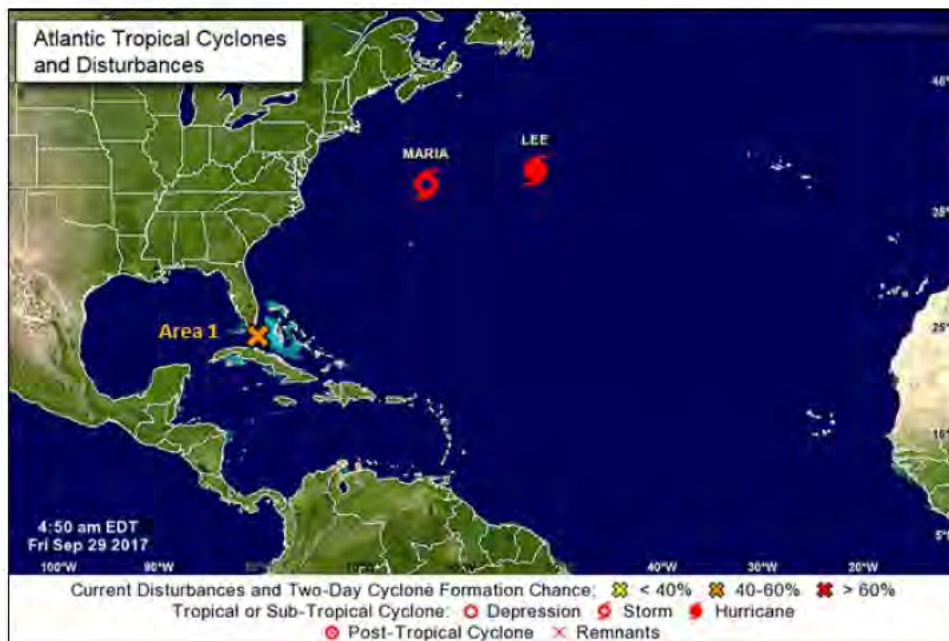
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – September 29, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



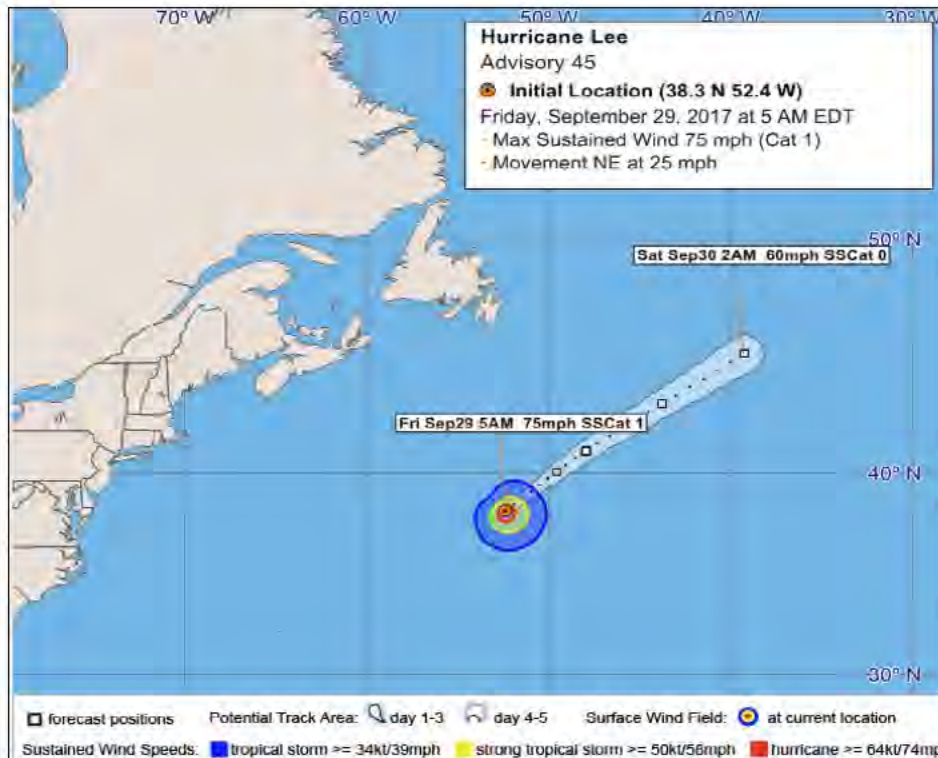
### Area 1:

A large area of cloudiness and showers extending from the northwestern Caribbean Sea to southern Florida and the northwestern Bahamas is associated with a broad surface trough interacting with an upper-level low. A weak area of low pressure is likely to form from this weather system later today and move northward near the eastern coast of the Florida through Saturday. Environmental conditions appear conducive for some development of this system during the next couple of days before upper-level winds become less favorable Saturday night or Sunday. Regardless of development, this system is likely to produce locally heavy rainfall over portions of central and western Cuba, Florida, and the northwestern Bahamas during the next several days. This system has a 40-percent chance of developing into a tropical cyclone over the next 48 hours.

### Tropical Storm Maria:

Tropical Storm Maria is summarized in the beginning of this report.

## Hurricane Lee:



HURREVAC Image

At 5:00 a.m. EDT, Hurricane Lee was located approximately 810 miles to the northeast of Bermuda and moving toward the northeast at near 25 mph. An acceleration toward the northeast is forecast to continue through Saturday. Maximum sustained winds are 75 mph, with higher gusts, and additional weakening is expected during the next 48 hours. There are no coastal watches or warnings in effect at this time.

## Eastern Pacific Ocean

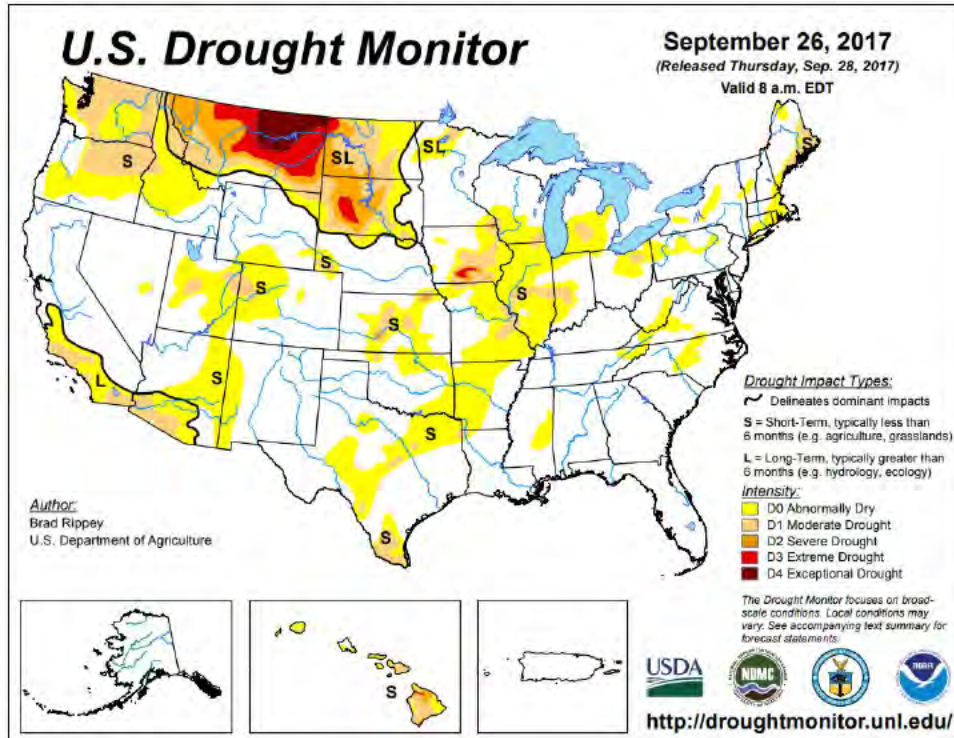
No tropical cyclone activity is expected during the next 48 hours.

## Other News and Notes

### U.S. Drought Monitor

Source: *National Drought Mitigation Center - September 28, 2017*

Relatively quiet weather prevailed for much of the past week, and record-setting warmth occurred across the Midwest and the Northeast. However, very cool weather and locally significant precipitation affected the Northwest, including the Cascades and northern Rockies, increasing topsoil moisture and further aiding wildfire containment efforts. Beginning on September 23, heavy rain occurred along an area stretching from the southern High Plains into the upper Great Lakes region. The heavy rain helped reduce rainfall deficits for areas still experiencing dryness or drought.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Monday, October 2, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Weather Response and Recovery - Atlantic Ocean**

**General Situation**

*Source: National Weather Service/National Hurricane Center – October 2, 2017*

The National Weather Service reports a Flash Flood Watch remains in effect for all of Puerto Rico and the U.S. Virgin Islands. Numerous showers and thunderstorms are expected to develop this afternoon and continue into tonight. Heavy downpours and cloud to ground lightning will accompany some of the thunderstorms. Flash flooding will be possible, especially for areas that continue to experience saturated soil and swollen rivers. This includes areas near the Guajataca Dam where a Flash Flood Warning remains in effect through 10:00 p.m. EDT. Showers and thunderstorms remain in the forecast for both today and tomorrow, but coverage is expected to be less.

**DOI Mission Assignments as of October 2, 2017:**

There are a total of 223 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b><u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u></b>	<b><u>161</u></b>
-----------------------------------------------------------------------	-------------------

<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>1</b>	<b>FWS</b>	<b>PR</b>	<b>\$60,000</b>	<b>1</b>	<b>1872-353597</b>
<b>SOW:</b> ESF-1 requesting one-flight a day, from Oct 1st - Oct 31st from either the fixed-wing and rotary-wing aircraft for assessment of all roads and bridges within PR.					
<b>4</b>	<b>DOI</b>	<b>PR</b>	<b>\$4M</b>	<b>71</b>	<b>4339DR-PR-USFS-07</b>
<b>SOW:</b> USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.					
<b>5</b>	<b>USGS</b>	<b>Denver, CO</b>	<b>\$5,000</b>	<b>1</b>	<b>4339DR-PR-USGS-01</b>
<b>SOW:</b> Provide landslide hazard analysis and impact assessment with geospatial data sets for inclusion in FEMA mapping products.					
<b>5</b>	<b>USGS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4339DR-PR-DOI-05</b>
<b>SOW:</b> Provide Technical Specialist assistance on how to operationalize crowdsourcing, help coordinate crowd sourcing efforts, as well as provide crowdsourcing resources and technical support.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4339DR-PR-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, JFO, or other facilities in support of FEMA response operations for Hurricane Maria in the Puerto Rico.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4340DR-VI-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, JFO or other facilities in support of FEMA response operations for Hurricane Maria in the Virgin Islands.					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.27M</b>	<b>84</b>	<b>3388EM-FL-USDJ-01</b>



**SOW:** Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).

<b>NCR RSF</b>	<b>OEPC</b>	<b>PR</b>	<b>\$25,000</b>	<b>1</b>	<b>4339DR-PR-DOI-03</b>
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**SOW:** Field deployment of Department of Interior full-time equivalent staff (initial request for one employee) in support of 4339-DR-PR to serve as planner for the Natural and Cultural Resources Recovery Support Function (RSF) initially standing up in Washington, DC.

<b><u>DOI Personnel Supporting IRMA Mission Assignments (MA)</u></b>					<b><u>63</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>PR</b>	<b>\$200,000</b>	<b>2</b>	<b>4336DR-PR-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>GA Coast</b>	<b>\$135,000</b>	<b>1</b>	<b>GA-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>SC Coast</b>	<b>\$170,000</b>	<b>1</b>	<b>SC-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>FL Coast</b>	<b>\$527,500</b>	<b>30</b>	<b>3385EM-FL-USGS-01</b>

**SOW:** Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.

<b>5</b>	<b>BIA</b>	<b>FL</b>	<b>\$15,000</b>	<b>1</b>	<b>3385EM-FL-DOI-01</b>
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**SOW:** Deploy Liaison to FL to coordinate with the Region 4 Tribal Liaison and the Seminole Tribe, as well as other affected tribes in the state.

<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4337DR-FL-DOI-8</b>
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**SOW:** Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC

<b>Non ESF</b>	<b>DOI Wide</b>	<b>Various</b>	<b>\$700,000</b>	<b>26</b>	<b>4377DR-FL-DOI-03</b>
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**SOW:** Provide FEMA with additional staff to support Surge Capacity Force Teams.

<b>NCR RSF</b>	<b>OEPC</b>	<b>Orlando, FL</b>	<b>\$127,211</b>	<b>1</b>	<b>4337-FL-DOI-07</b>
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**SOW:** Field deployment of Department of Interior full-time equivalent staff (initial request for one employee) in support of 4339-DR-PR to serve as planner for the Natural and Cultural Resources Recovery Support Function (RSF) initially standing up in Washington, DC.

**DOI Personnel Numbers as of October 1, 2017**

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 1, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>USFWS</b>	0	0	0	22
<b>USGS</b>	0	0	0	2

NPS	1	11	0	40
OS	0	0	1	1

Personnel Stationed and Remaining in Place As of October 1, 2017 at 10:00 p.m. EDT				
B/O	St. Croix	St. John	St. Thomas	Puerto Rico
BSEE	0	0	0	1
OS	0	0	0	1
USFWS	3	0	0	58
USGS	0	0	0	30
NPS	17	34	0	96

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had 30 personnel surveying high water marks (HWMs) and processing data in Florida yesterday under Mission Assignment (MA) 3385EM-FL-USGS-01. Four personnel also continued operations under Mission Assignments in Puerto Rico (PR-17090102-USGS-01, 4339DR-PR-USGS-01), Georgia (GA-17083101-USGS-01), and South Carolina (SC-17083101-USGS-01).

**ESF #11 (Agriculture and Natural Resources)**

- **ESF #11 - Office of Environmental Policy and Compliance (OEPC):** A MA for ESF #11 for Natural, Cultural, and Historical Properties (NCH) will likely be issued late this week or early next week. The MA will request DOI to provide support to FEMA's Office of Environmental Planning and Historic Preservation for their public assistance work. OEPC is working with the Office of Emergency Management (OEM), the Emergency Management Council (EMC), and the Environmental Safeguards Group to identify DOI staff who have the expertise and availability. OEPC is also coordinating with OEM on utilizing the FEMA surge list to identify additional staff who may be able to support the MA.

## **DOI Bureau and Office Reporting:**

### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (USFWS) - October 1, 2017*

As of October 1, power, food, water and fuel still remain among the most critical needs for USFWS personnel, as well as distribution to areas outside of the immediate vicinity of San Juan, Puerto Rico. Additionally, the need to reestablish the communication infrastructure is also a high priority. Communication issues have compounded the challenges of obtaining supplies and distribution to victims. Responders continue to obtain information regarding active distributions centers and hope to obtain commodities from these centers for distribution. An urgent need still exists to focus on remote areas of the islands where there is a desperate need for food, water, and other necessities. In Maricao, one of the least populated municipalities in Puerto Rico, there is still a great need for food, water, and road clearing operations.

- USFWS Team 1 continued employee welfare checks and was successful in evacuating an employee family member who has now been transported to CONUS. The team is also coordinating the loading of additional generators onto a U.S. Customs and Border Protection (CBP) aircraft; the distribution of these generators will be coordinated with the USFWS Incident Management Team (IMT).
- USFWS Team 2 continues to perform tasks in various areas of operation. The team will coordinate distribution of supplies received from San Juan to be distributed to FWS stations in Cabo Rojo and other locations the team provides services. The team is coordinating distribution of supplies such as food and water delivered to Vieques National Wildlife Refuge to employees, family members and the local community. The team is experiencing sporadic communication capabilities with satellite phones in the remote locations of Cabo Rojo and Vieques. Work is ongoing to rectify communications for those crews. A FWS representative from this team will be co-located in the FEMA Emergency Management Center located in the San Juan Convention Center to provide internal USFWS dispatching due to better connectivity and the opportunity for cross agency collaboration and coordination.
- USFWS Aviation resources update:
  - Quest Kodiak (amphibian) N736 arrived in Puerto Rico September 28.
  - Cessna 182 (land plane) N865CW arrived in Puerto Rico September 30.
  - Quest Kodiak (land plane) N723 was scheduled to arrive in Puerto Rico yesterday.
  - Helicopter A-Star B2 N351FW should be available for deployment early next week.

All USFWS aircraft will depart from south Florida and arrive in Aguadilla, Puerto Rico. The IMT IC will coordinate all air missions. USFWS is working with the FEMA DOI Liaison Desk on possible FEMA Mission Assignment for one of the Kodiaks to support ESF #1.

In partnership with FEMA, USFWS has arranged to have a desk at the Joint Field Office (JFO) / Initial Operating Center (IOC) to enhance coordination. The USFWS Information Technology (IT) Specialist stationed in Puerto Rico is planning to work with the DOI Office of Chief Information Officer (OCIO) and assist with infrastructure impacts and issues.

### **USFWS Caribbean Stations**

- *Cabo Rojo National Wildlife Refuge (NWR)*: Responders are continuing to perform inventory and assessing damage to employee housing. The responders are also working with local police in conducting welfare checks and addressing employee safety. A significant amount of assistance and supplies continue to be needed by the local community. The Refuge is using the maintenance facility as a point of distribution for internal FWS supplies and provisions.
- *Culebra NWR*: The refuge is conducting cleanup operations, debris removal, and assisting the community.
- *Vieques NWR*: The refuge continues working to stabilize employee residences and provide assistance to the community. Getting food, water, and supplies distributed remains the highest priority. Due to the lack of communication capabilities, the USFWS staff continues to facilitate communication between the Mayor of Vieques to the Governor of Puerto Rico on behalf of seven other federal agencies present on the island.
- *Puerto Rico Parrot Program*: A total of approximately 40 Puerto Rican Parrots were transferred from the Maricao aviary to the El Yunque aviary. Issues with hovering rotary wing aircraft over the El Yunque facility have occurred has resulted in stress to birds. FWS is working with the NRCC to address the issue.

### **National Park Service - Maria and Irma Update**

Source: National Park Service (NPS) – October 1, 2017

The NPS is reporting that all Caribbean parks remain closed and all employees are accounted for. Food, water, fuel, shelter, and other basic supplies continue to be the priority; some supplies for the immediate future have been secured. Parks continue response operations in the Caribbean as communications and supply routes improve. Cleanup and stabilization efforts also continue in Florida. The current limiting factor is the ability for employees to travel safely to and from work and the ability to get fuel outside of ports of call and city centers. The following park updates have been provided by the NPS:

### **Caribbean Parks**

- *Christiansted National Historic Site (CHRI)*: The M/V Fort Jefferson was scheduled to deliver supplies, along with a Branch Director, to the island on October 1. The vessel will remain in St. Croix to unload supplies and is scheduled to return to San Juan October 4.

- *Virgin Islands National Park (VIIS)*: This area remains a primary focus and has sustained washed out roads, landslides, tree damage. The park is likely have displaced employees. Communications improved within the park and the park was able to upload several dozen photos to the google drive. Hotshot crews or advanced saw teams may be necessary to make critical decisions of which trees need to be removed. Critical Incident Stress Management (CISM) teams are on site and will be working with personnel through October 3. This will be the first contact that CISM has had with employees in St. John since Hurricane Irma. Displaced staff returning from San Juan will have a chance to collect their personal belongings. Several reports have been received of looting at private residences at St. John post storm. A new Law Enforcement (LE) Special Event Tactical Team (SETT) arrived yesterday to provide relief for the existing team. The 400-foot pier was assessed, but due to challenges with debris and sediment, the large vessels for housing proposed by FEMA may not be feasible; additional assessments will be needed.
- *San Juan National Historic Site (SAJU)*: Damage assessments and debris clearance continues going well. The initial fort survey indicates that none of the buildings sustained major damage. Additional staff arrived to support the NPS Caribbean Incident Management Team (IMT) established at SAJU. Additional law enforcement has arrived to provide support. The site is operating with generator power and a fuel supply has been identified. Crews were able to establish a microwave radio link from the USGS facility in Guaynabo to the San Juan Castillo de San Cristóbal. Satellite dishes from Lake Mead National Recreation Area in Arizona and the Hughes Communications will be shipped to SAJU and scheduled to arrive on or about October 3. FEMA representatives were able to assist SAJU in repairing radios on site and provide the Broadband Global Area Network (BGAN) to help with connectivity.

The CISM team met with some employees yesterday and will continue meetings today. Local housing challenges continue in the area and employees are being connected to local shelters to speak about FEMA disaster assistance and other options which may be available to them.

## **Continental U.S. Parks**

- *Big Cypress National Preserve (BICY)*: The park remains closed to all visitor use, and access is limited to landowners only. The park employees are tentatively scheduled to return to work on October 3. The unpaved portion of the Loop Road remains closed due to downed trees and clearing operations were temporarily suspended due to the presence of poisonwood. Equipment has been ordered to help accomplish safe debris removal in this area. Saw crews continued clearing the Watson and Sand Fly campgrounds, and the Kirby Sorter walkway.
- *Biscayne National Park (BISC)*: The park is partially open. Crews are wrapping up cleaning operations around the Convoy Point grounds. Saw crews continue removing damaged trees and limbs and work to stabilize docks. Park employees will return to work today in preparation for a park reopening later in the week.

- *Everglades National Park (EVER)*: The park is partially open. The Homestead Visitor Entrance is providing visitor access to the Ernest F. Coe Visitor Center with access to restrooms and water. The park will close at night for safety and security purposes. Clearing operations continue along the main road towards Flamingo. Saw crews continued clearing debris in the Flamingo, Shark Valley, and Gulf Coast areas, but these areas remain closed. Park boat operators continue marking underwater debris in the Gulf Coast District and park utilities crews are working on restoring water and sewage treatment plants including the lift station.
- *Cumberland Island National Seashore (CUIS)*: The CUIS museum is open, but the rest of the park remains closed. Due to the continued closure of Cumberland Island National Seashore, the park is cancelling camping reservations through October 18. Crews continue to clean the visitor center, museum, and warehouse on the mainland.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open, but the visitor center area of the park will remain closed pending the removal of hazardous limbs and trees. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to ferry boats can be completed.
- *Fort Pulaski National Monument (FOPU)*: The park remains closed. All employees returned to work yesterday in preparation for reopening the park later this week. Water tank replacement and electrical work is planned for today and tomorrow.

Additional parks are closed along the Atlantic coast, but are handling closures with park staff. For updates on the status of all parks visit <http://go.nps.gov/hurricane>.

### **Guajataca Dam Update**

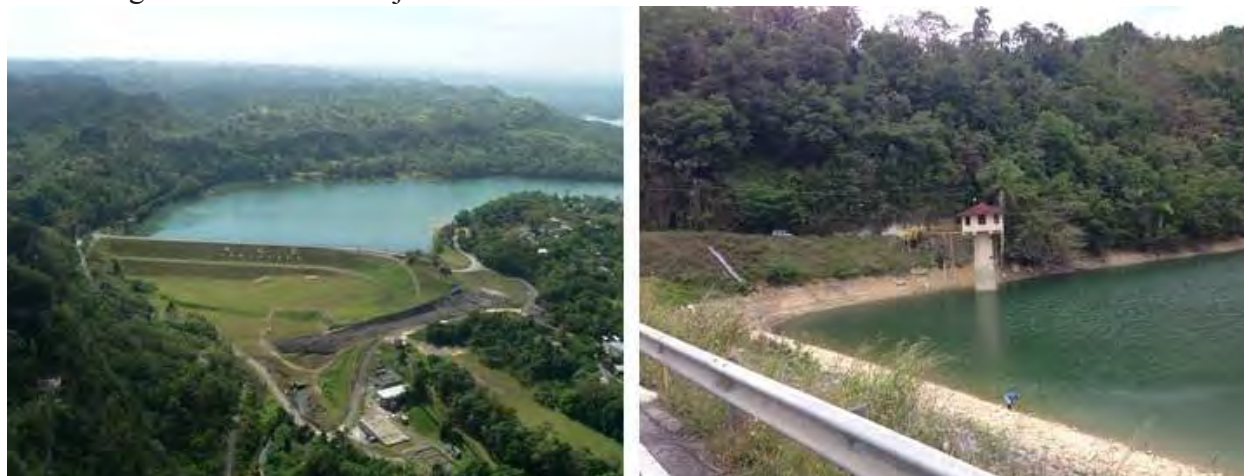
Source: U.S. Geological Survey – October 1, 2017

After several days of heavy rain, an evacuation order went into effect for people living near the Guajataca Dam in Puerto Rico. The dam is at risk of collapsing in the next few days. The 90-year-old decaying structure has been crumbling since Hurricane Maria.

USGS, the U.S. Army Corp of Engineers (USACE), and the National Weather Service (NWS) are currently coordinating efforts concerning the Guajataca Dam situation. USACE is reporting some progression of the head-cutting of the spillway scour hole. The concern is with increased flows from additional rainfall, erosion will quicken and compromise the dam. USGS and USACE will install a video monitoring system near the spillway so visual surveillance of the spillway is possible without having field staff on site. The main issue will be the transmission of the signal due to the lack of cellular service in the area of the island.

Additionally, USACE and USGS are discussing monitoring of inflows to Guajataca. The NWS forecast 1 to 3 inches of additional rainfall over the upstream watershed of Guajataca. USACE has construction crews working on the failed spillway trying to stabilize the head-cutting.

The Landslide Hazards Program will examine available imagery to identify landslide extent in the drainage basins above Guajataca Dam.



### **DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management - October 1, 2017*

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, Georgia, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 18 DOI volunteers by October 4 and another nine on October 8.

### **Other Federal and State Government Reporting**

#### **DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 2, 2017*

The FEMA NRCC remains is activated to Level I (Full Activation), with Crisis Action Planning teams for housing, fossil fuel, and power restoration. The Puerto Rico and the U.S. Virgin Islands Emergency Operations Centers (EOCs) remain at Full Activation, and the Florida EOC is at Partial Activation. FEMA Mobile Emergency Response Support (MERS) assets and personnel continue to support Urban Search and Rescue (US&R) operations and the Incident Management Assistance Teams.

### **Harvey Recovery and Response Efforts**

#### **DOI Mission Assignments as of October 2, 2017:**

There are currently a total of 15 DOI Personnel supporting the response under the FEMA mission assignments.



<b><u>DOI Personnel Supporting HARVEY MAs</u></b>					<b><u>15</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>TX</b>	<b>\$1M</b>	<b>10</b>	<b>4332DR-TX-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>8</b>	<b>NPS</b>	<b>TX</b>	<b>N/A</b>	<b>2</b>	<b>N/A</b>
<b>SOW:</b> Support patient movement, well water sampling, and the HHS Operations Center.					
<b>15</b>	<b>OCO</b>	<b>Austin, TX</b>	<b>\$10,000</b>	<b>1</b>	<b>4332DR-TX-DOI-09</b>
<b>SOW:</b> Provide public affairs expert to support the FEMA Joint Information Center.					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Austin, TX</b>	<b>\$109,700</b>	<b>2</b>	<b>4332DR-TX-DOI-08</b>
<b>SOW:</b> Deploy Field Coordinator(s) to the Joint Field Office to support the NCR RSF.					

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 - USGS: In Texas, there were 10 personnel in the field yesterday flagging and surveying HWMs under MA-4332DR-TX-USGS-01.

**Bureau and Office Reports**

Source: *U.S. Geological Survey - September 30, 2017*

**USGS Response to Yosemite National Park Landslides**

On September 28, a massive rockslide occurred in Yosemite National Park in northern California. NPS helicopters surveyed the area shortly after the rockslide began and rescue workers attended to affected park visitors requiring medical care.

USGS is supporting NPS at Yosemite on the rockfalls, part of a long-term collaboration with NPS geologist that has resulted in moving park structures out of harm's way. Using photographs taken from an NPS response helicopter and with collaborators in Switzerland at the University of Lausanne, USGS was able to obtain a structure for motion (SfM) volume estimate of 10,250 cubic meters, or about 22 times the size of the previous rock fall a day before.

USGS met with NPS staff, including road crews, law enforcement, rangers, and the acting Deputy Superintendent to discuss procedures and a timeline for possible reopening of the road that was closed immediately following the latest rock fall. Additional assessments were performed to examine the source area from different view angles and collected high resolution photographs that will be used to discern if any changes to the rock mass may have occurred. Finally, USGS performed three-dimensional lidar-based analysis of surface models constructed from the SfM data to examine the rock mass geometry in order to identify other possible areas of future instability. The USGS will continue to monitor and provide assessments at the rockslide, and will report on findings if warranted.

### **Wildland Fire Activity**

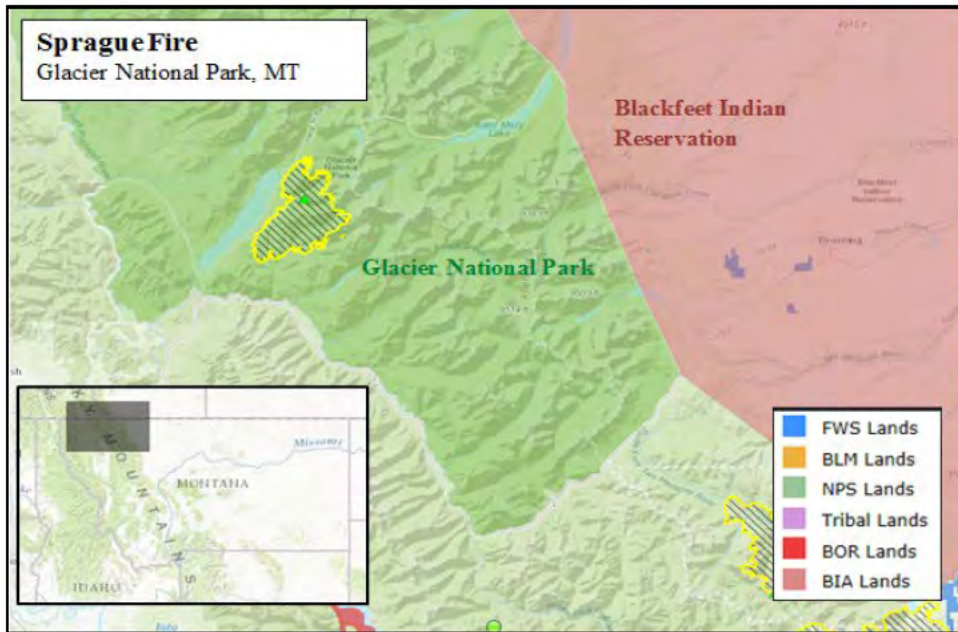
*Source: Fire and Aviation Management Website - October 2, 2017*

#### **Montana**

##### **Sprague Fire**

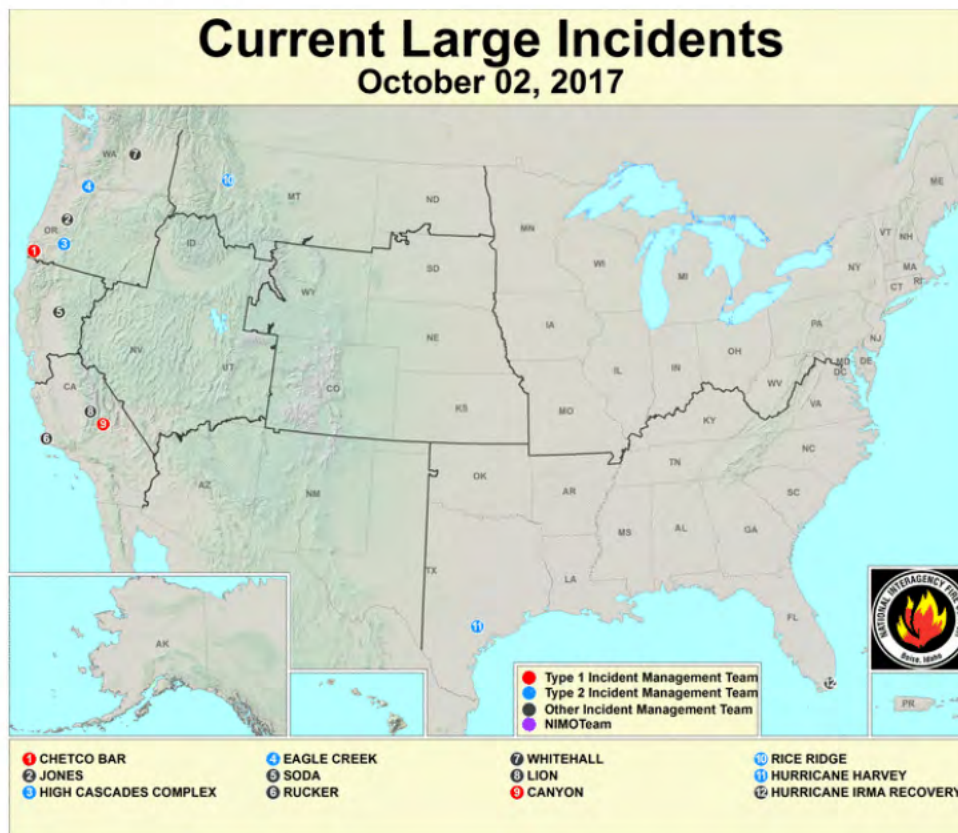
- Start Date: August 10
- Location: Glacier National Park, MT (NPS)
- Burned Acres: 16,982 (+61)
- Containment: 75-percent (no change)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 45 (-32) / 8 (-17)
- Structures Threatened-Single-Mixed Residential / Commercial: 252 (no change) / 48 (no change)
- Evacuations / Shelter in place: 0 (no change) / 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: November 1

Comments: Minimal fire behavior was reported, with creeping and smoldering. A point protection zone strategy is being exercised to reduce the risk and exposure to historic buildings and roads, NPS buildings, private buildings, corridors and wilderness values.



IGEMS Image

**Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 2, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Light (40 new fires)
New large fires:	0
Large fires contained:	0
Uncontained large fires: **	7
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	9

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano. Elevated surface temperatures were observed in satellite data, and nothing was observed in web camera images emanating from the summit crater.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 1, 2017*

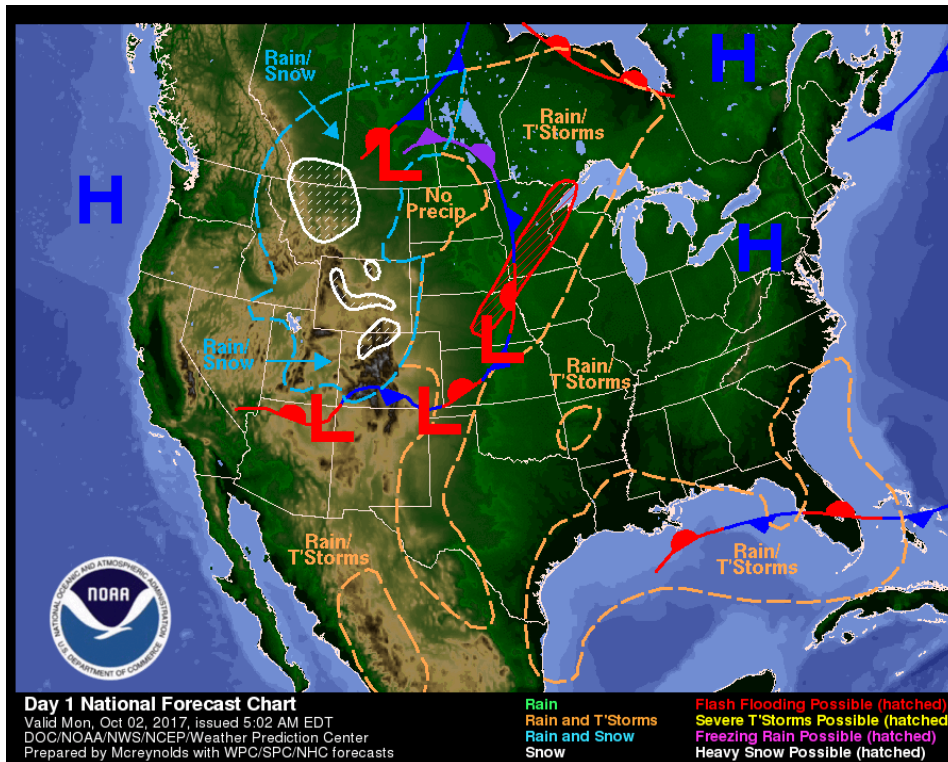
**Alert Level = WATCH**

**Color Code = ORANGE**

There have been no significant changes in the eruptions at the Kīlauea Volcano. Activity continues at the summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna. Surface flow activity persists on the upper portion of the flow field, on the pali, and in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Typical rates of ground deformation and seismicity continue across the volcano.

## ***Significant National Weather***

*Source: National Weather Service - October 2, 2017*



### **Today**

Rain and thunderstorms will develop across the upper Midwest, the northern and central Plains, and a small sliver of the southwestern Plains. Additional showers and thunderstorms will develop across portions of Arkansas. Strong thunderstorms may impact a corridor from the central Plains through the middle Missouri and upper Mississippi valleys late today into tonight, accompanied by at least some risk for severe weather. Heavy rain could produce flash flooding from Nebraska to western Lake Superior. Winter weather is expected across the central and northern Rockies. Rain and snow is possible for most of this region. Heavy snow will be possible for isolated areas of the highest elevations. Numerous winter weather advisories and warnings are in effect. The West Coast can expect fair and dry weather.

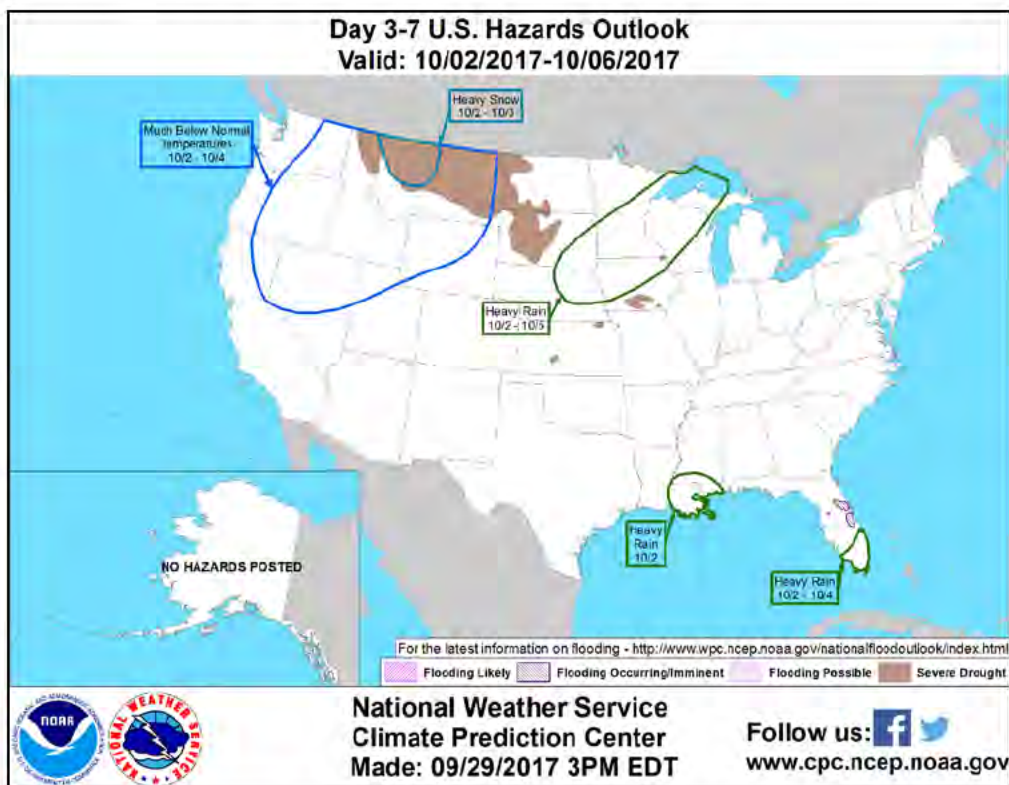
### **Tomorrow**

Fair, dry, and cool weather will continue from Maine to the Deep South. The only exception will be some scattered showers and thunderstorms for the Florida peninsula and Georgia coastal region. A frontal system will extend from western Lake Superior to the Oklahoma and Texas panhandle region, then into northern New Mexico. Rain and thunderstorms will be widespread from the Great Lakes to Texas, New Mexico, and the Mexican plateau region. On the backside of this frontal system, rain is possible for eastern North Dakota and northwest Minnesota.

Scattered areas of sleet and snow will linger over the northern Rockies and mountains of northeast Nevada. Fair and dry weather continues for the West Coast.

### Weather Hazard Assessment

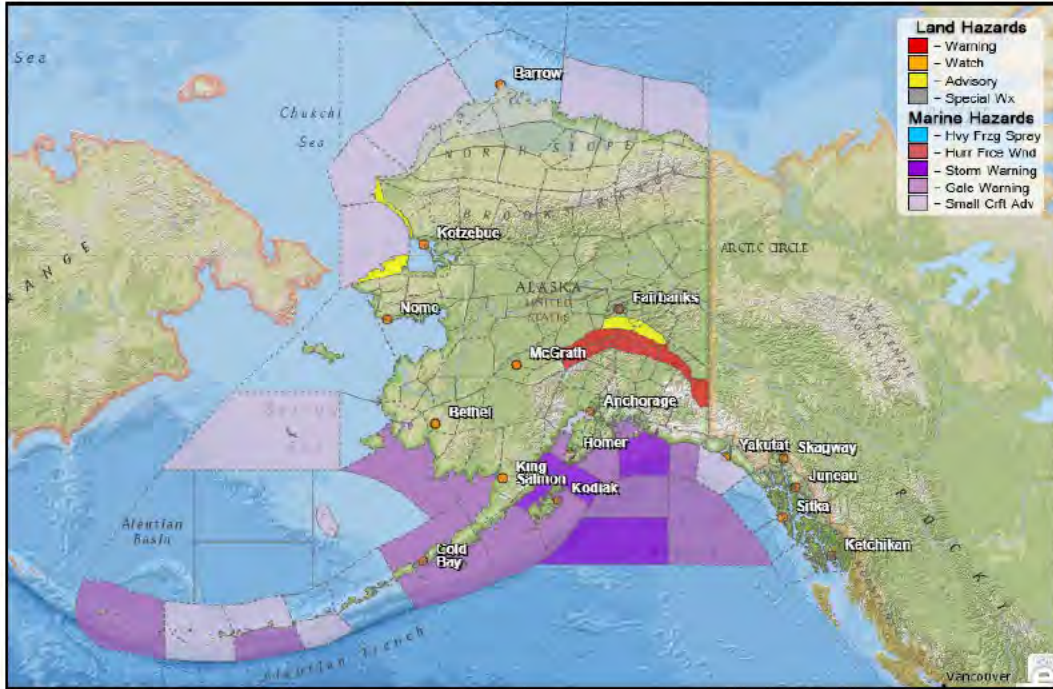
- October 2: Heavy rain for parts of the lower Mississippi Valley.
- October 2-3: Heavy snow for parts of Montana.
- October 2-4: Much below-normal temperatures for parts of the western U.S.
- October 2-4: Heavy rain for parts of the southern Florida peninsula and Florida Keys.
- October 2-5: Periods of heavy rain for the upper Mississippi Valley, Great Lakes, and parts of the northern and central Great Plains.



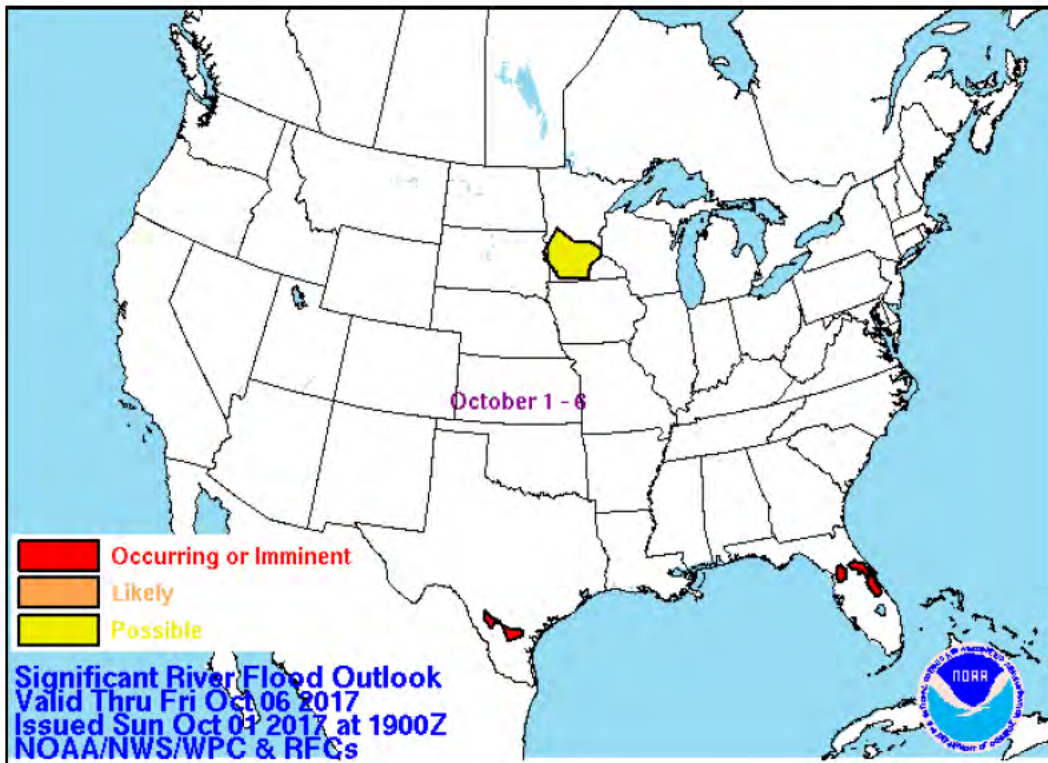
### Alaska Weather

A Gale Warning is in effect for Kiska to Attu, Seguam to Adak Pacific Side, Kuskokwim Delta and Etolin Strait, Port Heiden to Cape Sarichef, Cape Castle to Sitkinak, Cook Inlet Kalgin Island to Point Bede, Cape Cleare to Gore Point, Prince William Sound, Icy Cape to Cape Suckling and Gulf of Alaska North and East. A Small Craft Advisory is in effect in the from Adak to Kiska Full, Seguam to Adak Bering Side, St. Matthew Island, Pribilof Islands, Nikolski to Seguam Pacific Side, Cape Fairweather to Icy Cape, Cook Inlet, from Wales to Point Franklin, and Cape Halkett to Demarcation Point. A Storm Warning is in effect for Gulf of Alaska North, Barren Islands East and West, Shelikof Strait, and Cape Suckling to Cape Cleare. A High Surf Advisory is in effect from Shishmaref and Point Hope. A Wind Advisory is in effect for Tanana

Flats South, Birch Lake, Delta Junction, and Fort Greely. A High Wind Warning is in effect from Denali to Chisana.



### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, southern Texas, and is possible across southern Minnesota.

### Severe Weather



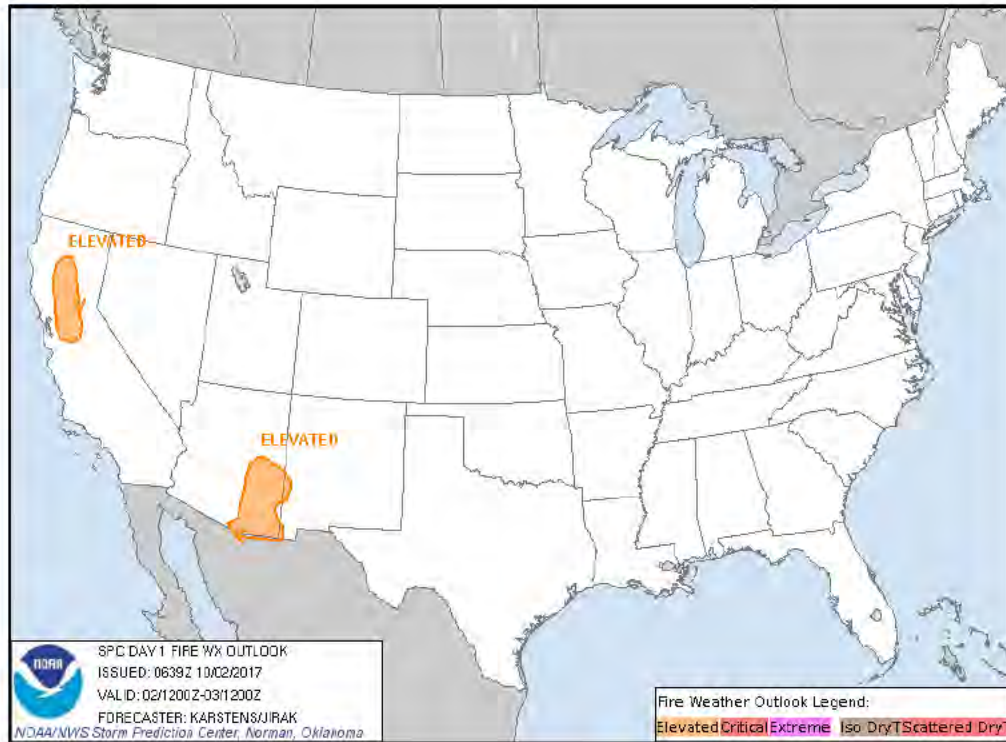
There is a Marginal Risk of severe thunderstorm activity today across portions of the central Plains into the middle Missouri and upper Mississippi valleys.

### Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.



## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S; however, there are Elevated Fire Weather areas in parts of northern California, southeastern Arizona, and western New Mexico.

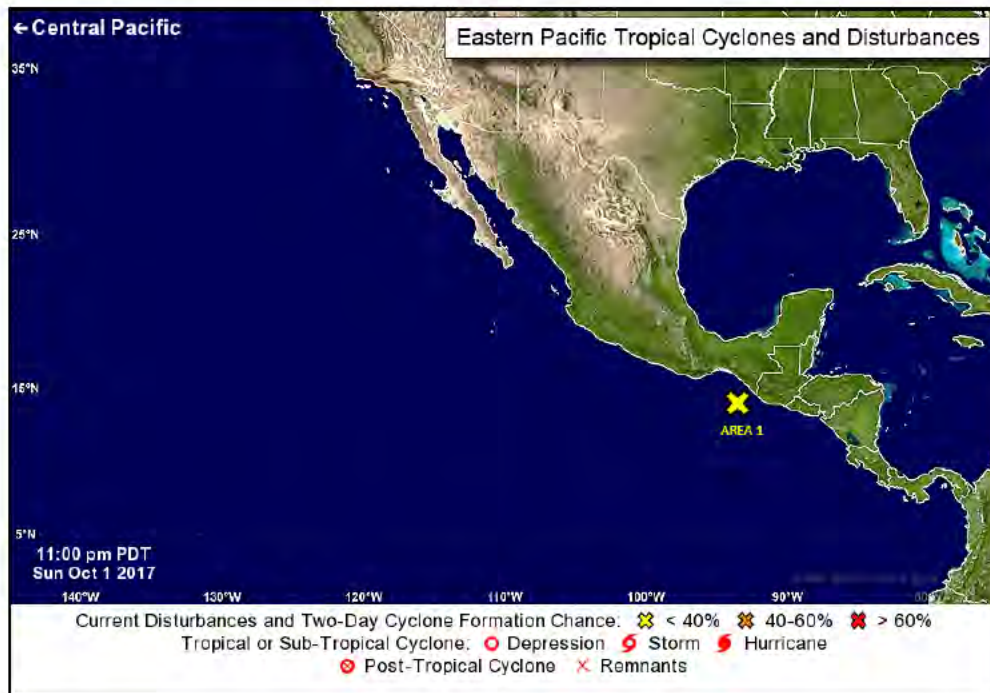
### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – October 2, 2017*

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

There is no tropical cyclone activity is expected during the next 48 hours.

## Eastern Pacific Ocean



### Area 1

A small low pressure system located a couple of hundred miles south of southeastern Mexico is producing widespread cloudiness and disorganized showers over much of the Gulf of Tehuantepec, southeastern Mexico, and Guatemala. Environmental conditions are expected to gradually become more conducive for development over the next few days while the system moves slowly west-northwestward or westward. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

### Other News and Notes

#### **Shooting Incident - Las Vegas, NV**

*Source: Department of Homeland Security – October 2, 2017*

At approximately 1:00 a.m. EDT this morning, the Las Vegas Metro Police Department (LVMPD) reported that a suspected lone male shooter fired multiple shots from a room on the 32nd floor of the Mandalay Bay Resort and Casino into an outdoor crowd of 10,000 spectators attending the Route 91 Harvest Festival concert in Las Vegas, NV. LVMPD SWAT officers located and entered the room of the suspect, engaged the suspect, and the suspect is deceased. There is no known motive for the shooting at this time.

LVMPD is reporting through their social media account that there are at least 50 fatalities and over 200 injuries at the scene. Two LVMPD officers were wounded, but not critically. There are no indications of multiple shooters, though a female who was traveling with the shooter, has

been identified and is being sought in conjunction with the investigation. LVMPD is conducted sweeps in area hotels to clear the immediate area. The Federal Bureau of Investigation (FBI) is assisting with the investigation.

Initially, Las Vegas authorities issued a ground stop for all inbound and outbound flights to McCarran International Airport, but as of this report, the ban has been lifted.

The United States Park Police has assessed the situation and determined that there is no DOI/NPS nexus to this incident.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Tuesday, October 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 2 (Severe Operations)**

**Tropical Weather Response and Recovery**

**General Situation**

*Source: National Weather Service – October 3, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports that a Flash Flood Warning remains in effect for portions of the municipalities of Isabela and Quebradillas in Puerto Rico, as the risk of failure of the Guajataca Dam continues to increase. According to the NWS, a dam failure would cause life-threatening flash flooding downstream of the dam, and the current Flash Flood Warning remains in effect until 10:00 a.m. EDT on October 4.

**DOI Mission Assignments as of October 3, 2017:**

There are a total of 224 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b><u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u></b>					<b><u>161</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>

<b>1</b>	<b>FWS</b>	<b>PR</b>	<b>\$60,000</b>	<b>1</b>	<b>1872-353597</b>
<b>SOW:</b> ESF-1 requesting one-flight a day, from Oct 1st - Oct 31st from either the fixed-wing and rotary-wing aircraft for assessment of all roads and bridges within PR.					
<b>4</b>	<b>DOI</b>	<b>PR</b>	<b>\$4M</b>	<b>71</b>	<b>4339DR-PR-USFS-07</b>
<b>SOW:</b> USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.					
<b>5</b>	<b>USGS</b>	<b>Denver, CO</b>	<b>\$5,000</b>	<b>1</b>	<b>4339DR-PR-USGS-01</b>
<b>SOW:</b> Provide landslide hazard analysis and impact assessment with geospatial data sets for inclusion in FEMA mapping products.					
<b>5</b>	<b>USGS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4339DR-PR-DOI-05</b>
<b>SOW:</b> Provide Technical Specialist assistance on how to operationalize crowdsourcing, help coordinate crowd sourcing efforts, as well as provide crowdsourcing resources and technical support.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4339DR-PR-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, JFO, or other facilities in support of FEMA response operations for Hurricane Maria in the Puerto Rico.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4340DR-VI-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, JFO or other facilities in support of FEMA response operations for Hurricane Maria in the Virgin Islands.					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.27M</b>	<b>84</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$25,000</b>	<b>1</b>	<b>4339DR-PR-DOI-03</b>
<b>SOW:</b> Provide a planner for the Natural and Cultural Resources Recovery Support Function (NCR RSF).					

<b><u>DOI Personnel Supporting IRMA Mission Assignments (MA)</u></b>					<b><u>63</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>PR</b>	<b>\$200,000</b>	<b>2</b>	<b>4336DR-PR-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>GA Coast</b>	<b>\$135,000</b>	<b>1</b>	<b>GA-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>SC Coast</b>	<b>\$170,000</b>	<b>1</b>	<b>SC-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>FL Coast</b>	<b>\$527,500</b>	<b>30</b>	<b>3385EM-FL-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>BIA</b>	<b>FL</b>	<b>\$15,000</b>	<b>1</b>	<b>3385EM-FL-DOI-01</b>
<b>SOW:</b> Deploy Liaison to FL to coordinate with the Region 4 Tribal Liaison and the Seminole Tribe, as well as other affected tribes in the state.					
<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4337DR-FL-DOI-8</b>
<b>SOW:</b> Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC					
<b>Non ESF</b>	<b>DOI Wide</b>	<b>Various</b>	<b>\$700,000</b>	<b>26</b>	<b>4377DR-FL-DOI-03</b>
<b>SOW:</b> Provide FEMA with additional staff to support Surge Capacity Force Teams.					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Orlando, FL</b>	<b>\$127,211</b>	<b>1</b>	<b>4337-FL-DOI-07</b>
<b>SOW:</b> Deploy Field Coordinator(s) to FL Joint Field Office to support NCR RSF.					

**DOI Personnel Numbers as of October 2, 2017**

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 2, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>OS</b>	0	0	1	1
<b>USFWS</b>	0	0	0	29
<b>USGS</b>	0	0	0	2
<b>NPS</b>	0	12	0	40

<b>Personnel Stationed and Remaining in Place As of October 2, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>BSEE</b>	0	0	0	1
<b>OS</b>	0	0	0	1
<b>USFWS</b>	3	0	0	58
<b>USGS</b>	0	0	0	30
<b>NPS</b>	17	34	0	96

**DOI Emergency Support Function (ESF) Support:**

**ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 1 and 2 are expected to demobilize on Wednesday, October 4. One team member from DOI MARIA QRT 3 will demobilize today.

Rosters for DOI Maria QRTs 5 and 6 were submitted to the ESF #13 National Coordination Center (NCC) on September 29. These teams will remain in a standby status at their home units until they receive an assignment. The NCC is working through the U.S. Marshall Service for special deputation challenges for non-Department of Justice (DOJ) agencies.



*DOI QRT 1 conducting DMAT and USAR missions in Puerto Rico*

### **DOI Bureau and Office Reporting:**

#### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (USFWS) - October 2, 2017*

As of October 1, USFWS teams and employee responders have been able to obtain some commodities from the distribution centers and redistribute them to employees and family members. Communications have degraded in the last 24 hours, and satellite phones are often only providing one-way communication. Personnel on the ground are having difficulty receiving calls. The cellphone provider in the Maricao area has changed to a Puerto Rico carrier, and employees have been unable to send text messages since this change occurred. The USFWS is consulting with ESF #8 (Public Health and Medical Services) concerning an employee's family member who requires specialized medical treatment.

- ***USFWS Team #1:*** The team continues to conduct welfare checks in the response area. A second Kodiak aircraft arrived on October 1 and provided 150 gallons of aviation fuel, a 2000-watt generator, and various other supplies to help support the team. Five additional generators were acquired, and three generators were delivered to Aguadilla to support operations conducted by Federal Wildlife Officers (FWOs). Planning is underway for team member rotation, and the demobilization of existing team members will occur no later than Friday.
- ***USFWS Team #2:*** The team continues to perform tasks in various areas of operation. On October 1, the team gained two members, an electrician and an additional FWO. Three additional FWOs were scheduled to arrive yesterday. The team delivered 110 cases of water, 65 cases of meals ready to eat (MREs), and canned/dry food via aircraft to USFWS locations yesterday.



USFWS Team #2 provided two representatives for a security mission in support of the U.S. Geological Survey (USGS) as they repaired/installed monitoring equipment for the Guajataca Dam. The team is also providing support to efforts to set up a FEMA Disaster Medical Assistance Team (DMAT) at the hospital for medical evacuations. This will serve as an area to treat medical issues before patients are transported to the U.S. The team has identified the need to obtain an additional USFWS representative from Ecological Services to provide consultation regarding endangered species issues and other environmental issues that the federal response is facing. USFWS Region 4 is working to fill this request.

USFWS Team #2 also coordinated flights to Culebra, St. Thomas, and St. Croix yesterday to perform wellness checks of employees and family members. The team assisted with ensuring that medical care was received by an employee and installed tarps on employee residences in St. Croix. Assessments of USFWS facilities were conducted, and the team determined that a saw crew was needed to assist with facilities that suffered heavy damage. The team is also working with the Southern Area Type-2 Incident Management Team (IMT) in St. Croix to provide backup and medical assistance.

### **USFWS Caribbean Stations**

- *Cabo Rojo National Wildlife Refuge (NWR)*: The refuge is utilizing the maintenance facility as a point of distribution (POD) for internal USFWS supplies and provisions. Additional supplies of water and food were received yesterday. The refuge is planning to continue conducting welfare checks and distributing supplies to employees and families.
- *Culebra NWR*: Work continues towards cleaning, removing debris, and assisting the community. The area received generators from USFWS air support yesterday, and the team members conducted additional damage assessments.
- *Vieques NWR*: Work continues to stabilize employee residences and provide assistance to the community. The refuge received assistance from an electrician with USFWS Team 2, and personnel are working on the solar power system and wiring that remains severely damaged. Food and water distribution remains a high priority.
- *Puerto Rico Parrot Program*: Approximately 40 Puerto Rican parrots were transferred from the Maricao Aviary to the El Yunque Aviary. Work continues by crews to clean and repair parrot cages in the aviary.

### **National Park Service - Maria and Irma Update**

*Source: National Park Service (NPS) – October 2, 2017*

The National Park Service (NPS) Eastern Incident Management Team (EIMT) has established base operations in San Juan, Puerto Rico. All six NPS Caribbean units remain closed, and all employees and their immediate family members are accounted for. Employees at the San Juan National Historic Site, the Virgin Islands National Park, and the parks in St. Croix have begun

preliminary cleanup of park grounds and visitor centers. All park units are working under a 100-percent power outage, and emergency electrical needs are being met by the use of generators.

As of October 2, the NPS has shipped four Very Small Aperture Terminals (VSATs) to San Juan to provide communication support. The following park updates have been provided by the NPS:

### Caribbean Parks

- *Christiansted National Historic Site (CHRI)*: Due to debris in the bay at Christiansted, the U.S. Coast Guard closed the port and would not permit the *Motor Vessel (M/V) Fort Jefferson* to dock on October 1. The crew is looking to identify an alternate plan for docking.
- *Virgin Islands National Park (VIIS)*: In St. John, debris remains widespread providing access challenges. The NPS Pacific West Region (PWR) Law Enforcement (LE) Special Event Tactical Team (SETT) is providing security. The NPS is looking to contract with the U.S. Army Corps of Engineers (USACE) to assist in debris removal and disposal from the Virgin Islands National Park. The *M/V Fort Jefferson* remains docked at St. John. Critical Incident Stress Management (CISM) teams are on site and will be working with personnel through today.
- *San Juan National Historic Site (SAJU)*: Approximately 30-percent of the staff has reported to work. The body of a deceased male was found in the La Perla district, and the park is emphasizing safety to all personnel. A request was made for 50 handheld radios and additional communications equipment, which is scheduled to ship on October 3. CISM staff continue to work with personnel at the San Juan National Historic Site.



NPS Photo: The M/V Fort Jefferson departs San Juan for U.S Virgin Islands

## Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The preserve remains closed, and access is limited to land owners only. The unpaved portion of the Loop Road remains closed due to downed trees. Clearing operations were temporarily suspended due to the presence of poisonwood, and equipment has been ordered to help accomplish safe debris removal in this area.
- *Biscayne National Park (BISC)*: The park is partially open, and park employees returned to work yesterday in preparation for reopening this week.
- *Everglades National Park (EVER)*: The park is partially open. The Homestead visitor entrance is currently open to Paurotis Pond. Several trails, including the Gumbo Limbo Trail and the Pa-hay-okee Overlook, remain closed. Clearing operations continue along the main road toward Flamingo in addition to operations in the Flamingo, the Shark Valley, and the Gulf Coast areas. The park will remain closed at night. Restrooms and water options are limited throughout the park. Park boat operators are continuing to mark underwater debris, and rising flood waters in the Shark Valley area are threatening administrative buildings and park housing. The Shark Valley area, the Gulf Coast Visitor Center, and the Flamingo area remain closed.
- *Cumberland Island National Seashore (CUIS)*: The park museum is open, but the remainder of the park is closed. Due to the continued closure, the park is cancelling camping reservations through October 18. Crews continue to conduct cleanup operations at the visitor center, the museum, and the warehouse on the mainland.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open, but the visitor center area of the park will remain closed pending the removal of hazardous limbs and trees. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to ferry boats can be completed.
- *Fort Pulaski National Monument (FOPU)*: The park remains closed. All employees returned to work in preparation for the reopening of the park later this week. Water tank replacement and electrical work began yesterday and will continue today. An Arborist Incident Team has begun working to remove damaged limbs and trees.

## U.S. Geological Survey Puerto Rico Update

*Source: U.S. Geological Survey – October 2, 2017*

- *Stream Gage Update*: The USGS is reporting that personnel have inspected 26 stream gage sites, with 34 sites still requiring inspection. Personnel have repaired 15 gages, and noted that five were destroyed. The remaining gage sites will require moderate repair, and six additional personnel will arrive in San Juan today and tomorrow to assist with those repairs. The USGS is providing web based [support for landslide mapping](#).

- *Guajataca Dam Update:* The USFWS provided two law enforcement officers to perform security at the Guajataca Dam due to an incident requiring law enforcement intervention. The USGS has requested a large generator and overhead lighting to assist with the monitoring of the dam's spillway at night. The USGS will utilize video monitoring. The Landslide Hazards Program will examine available imagery to identify landslide extent in the drainage basins above the Guajataca Dam.

### **DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management - October 2, 2017*

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 27 DOI employees on October 8.

The Small Business Administration (SBA) is working with 68 DOI employees to place them in roles within the SBA to help provide support to hurricane victims. These 68 employees could be deployed as early as the end of the week. DOI is working to identify other resources that can support the SBA mission in the coming weeks.

### **Other Federal and State Government Reporting**

#### **FEMA and Department of Homeland Security (DHS) Situational Update**

*Source: FEMA and DHS – October 3, 2017*

FEMA is reporting that all the airports in Puerto Rico are open. In the U.S. Virgin Islands, the airport in St. Thomas is open, and the airport in St. Croix is open under special conditions. Approximately 8-percent of the roads in Puerto Rico are open, and 25-percent of the roads are partially open. All of the highways in the U.S. Virgin Islands are open with at least one lane of travel. Commercial motor vehicle movement in the U.S. Virgin Islands is being limited due to clearance in some areas.

In Puerto Rico, a communications tower has been restored near Roosevelt Roads, and 18 Wifi hotspots are operational in the U.S. Virgin Islands. The San Juan financial district is now back on the electrical grid, and the Puerto Rico Electric Power Authority expects a 15-percent restoration within the next two weeks. A total of 170 out of the 200 requested generator pre-installation inspections have been completed in the U.S. Virgin Islands. In Puerto Rico, 14 out of 67 hospitals have been restored to the electrical grid, and an additional 50 hospitals are operating on generator power. A fuel rotation plan has been established to ensure hospitals have continuous power. The *USNS Comfort* is expected to arrive to the response area today.

The U.S. Environmental Protection Agency (EPA) and the U.S. Virgin Islands Department of Planning and Natural Resources assessed 101 out of the 161 public waters systems in the U.S. Virgin Islands. A total of 66 were found to be functional. A Boil Water Advisory remains in effect for the U.S. Virgin Islands and Puerto Rico. At the Guajataca Dam, U.S. Marine Corps assets have been placing concrete barriers and “super” sandbag reinforcement of the spillway.

Evacuations remain in effect for area residents. Seven Department of Defense ships are scheduled to arrive in Puerto Rico by October 5 with 3.5 million liters of water and 5.5 million meals. Over 4,200 residents in Puerto Rico have registered for Individual Assistance, and 7,500 residents in the U.S. Virgin Islands have registered for Individual Assistance.

**Harvey Recovery and Response Efforts**

**DOI Mission Assignments as of October 3, 2017:**

There are currently a total of 15 DOI Personnel supporting the response under the FEMA mission assignments.

<b>DOI Personnel Supporting HARVEY MAs</b>					<b>15</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>TX</b>	<b>\$1M</b>	<b>10</b>	<b>4332DR-TX-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>8</b>	<b>NPS</b>	<b>TX</b>	<b>N/A</b>	<b>2</b>	<b>N/A</b>
<b>SOW:</b> Support patient movement, well water sampling, and the HHS Operations Center.					
<b>15</b>	<b>OCO</b>	<b>Austin, TX</b>	<b>\$10,000</b>	<b>1</b>	<b>4332DR-TX-DOI-09</b>
<b>SOW:</b> Provide public affairs expert to support the FEMA Joint Information Center.					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Austin, TX</b>	<b>\$109,700</b>	<b>2</b>	<b>4332DR-TX-DOI-08</b>
<b>SOW:</b> Deploy Field Coordinator(s) to the Joint Field Office to support the NCR RSF.					

**Wildland Fire Activity**

*Source: Fire and Aviation Management Website - October 3, 2017*

An updated Incident Status Summary (ICS-209) has not been provided for the Sprague Fire in Montana since October 1; therefore, the fire will not be summarized in today’s report. When an updated ICS-209 is published, reporting on the fire will resume.

On October 2, the National Wildland Fire Preparedness Level (PL) was lowered to Level 2 due to moderated fire potential and available resources. At PL 2, resources within most geographic areas are adequate to manage the current situation, with light to moderate mobilization of resources occurring through the National Interagency Coordination Center. The potential for emerging significant wildland fires is normal to below normal for the time of year.

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 3, 2017

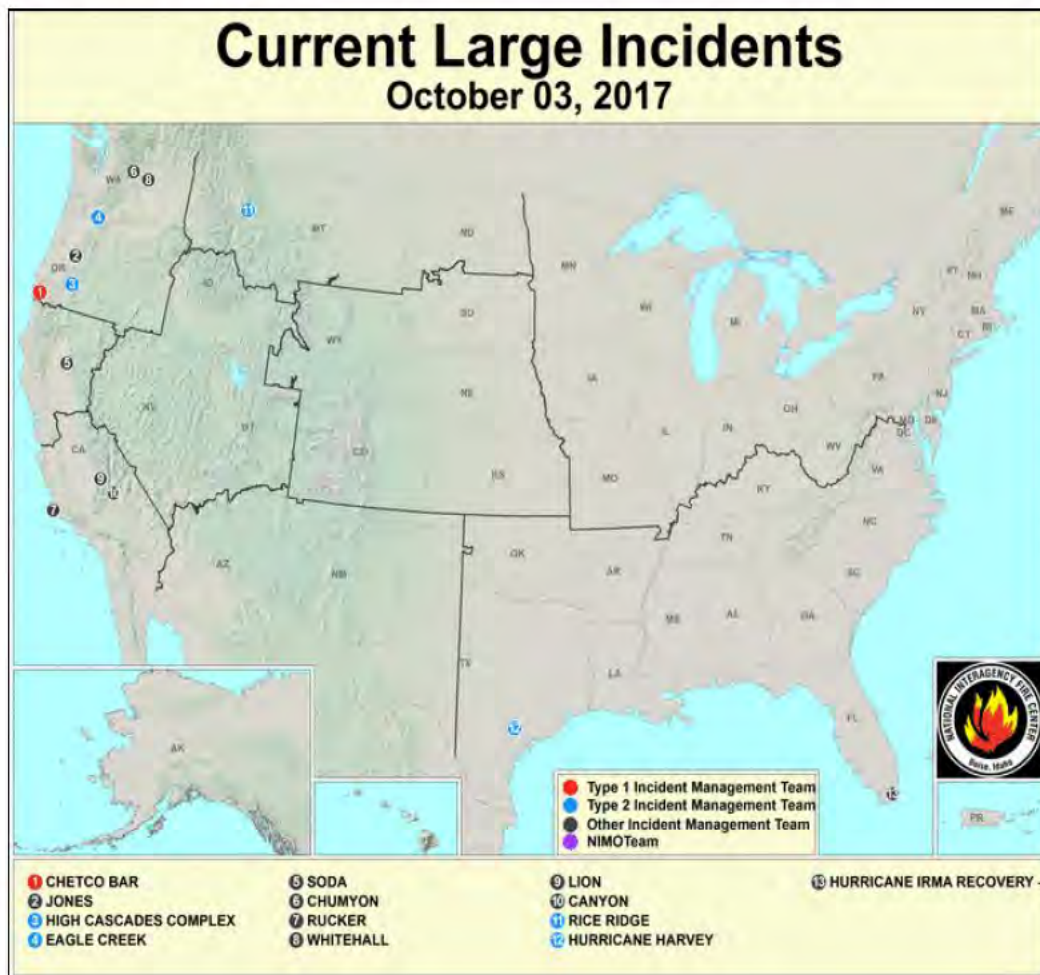
## National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (103 new fires)
New large fires:	1
Large fires contained:	1
Uncontained large fires: **	6
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	9

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Lava effusion has begun at the Cleveland Volcano, and a new lava dome has formed in the summit crater. The lava dome area was observed to be approximately 4,200 square meters in size on October 1. No significant activity related to lava effusion was observed in seismic or infrasound data during this reporting period. Lava effusion is typically confined to the summit crater at Cleveland, with the last significant lava flow occurring in 2001. The lava domes that have formed since 2001 have been destroyed by explosive activity within weeks to months after lava effusion occurred. These explosions typically produce relatively small volcanic ash clouds that dissipate within hours; however, more significant ash emissions are possible. The AVO reports that there is no way to predict how long this lava dome will grow or when it might be destroyed by an explosion.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Eruptive activity continues at the summit of Kilauea Volcano and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. There has been a decrease in seismic tremor on the East Rift Zone, and webcam images and NPS reports suggest that the ocean entry at Kamokuna was waxing and waning during this reporting period. Surface flow activity persists on the upper portion of the lava flow field and on the pali, with minor breakouts in scattered areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Typical rates of ground deformation, seismicity, gas release, and lava lake activity continue at the volcano's summit.

## **Significant National Weather**

*Source: National Weather Service - October 3, 2017*

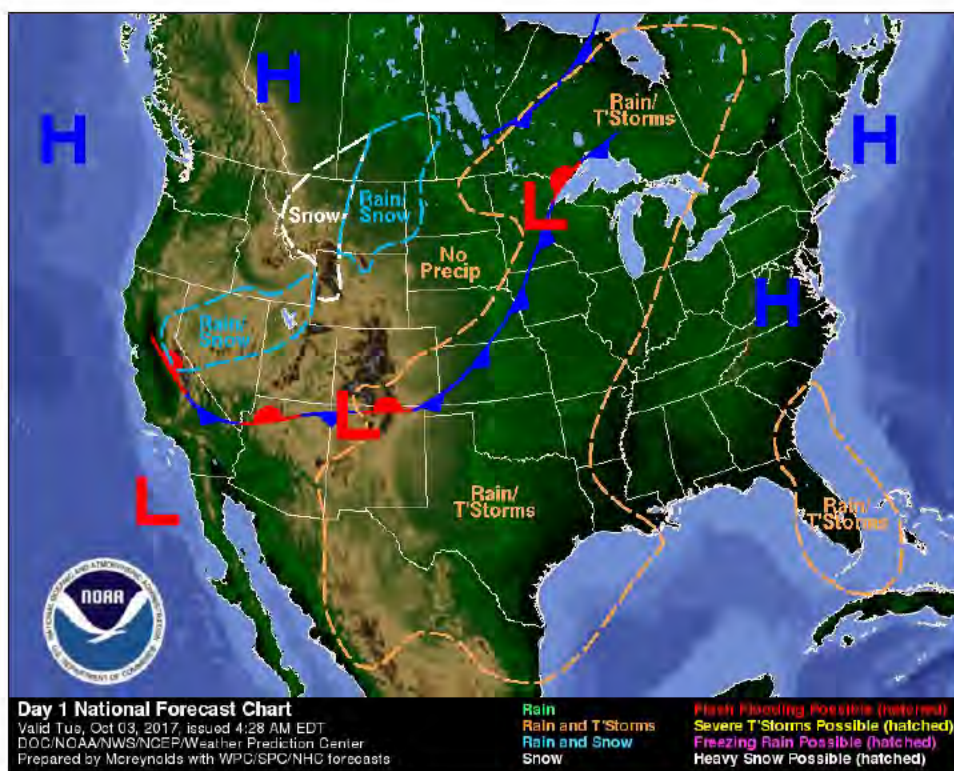
### **Today**

High pressure will remain in control for most of the East Coast producing fair, cool, and dry weather from Maine to the Deep South. Florida will continue to have numerous showers and thunderstorms over the next few days, especially during the afternoon and evening hours. A marginal risk of flash flooding will be possible over the next few days as some of these thunderstorms could produce heavy rainfall. The highest daily amounts are forecast for the Miami to the Florida Keys corridor, where 3-day totals are 2 to 4 inches. A frontal boundary will stretch from western Lake Superior back through the central Plains to the Four Corners region. Rain and thunderstorms will develop from the southern Hudson Bay through the Great Lakes to

Texas, Louisiana, and New Mexico. A few severe storms are possible over eastern New Mexico this afternoon and evening. Snow and a combination of rain and snow will be possible from Montana to the Great Basin.

### Tomorrow

Rain and thunderstorms will continue across Florida and the Carolina coastal regions today, and dry conditions will continue from the mid-Atlantic to the Deep South. Rain and thunderstorms are possible from eastern Canada and New England to the central and southern Great Plains. Heavy rain, along with the threat of flooding and flash flooding, will be possible across Oklahoma and eastern New Mexico. Rain and snow are likely for portions of the northern Rockies.

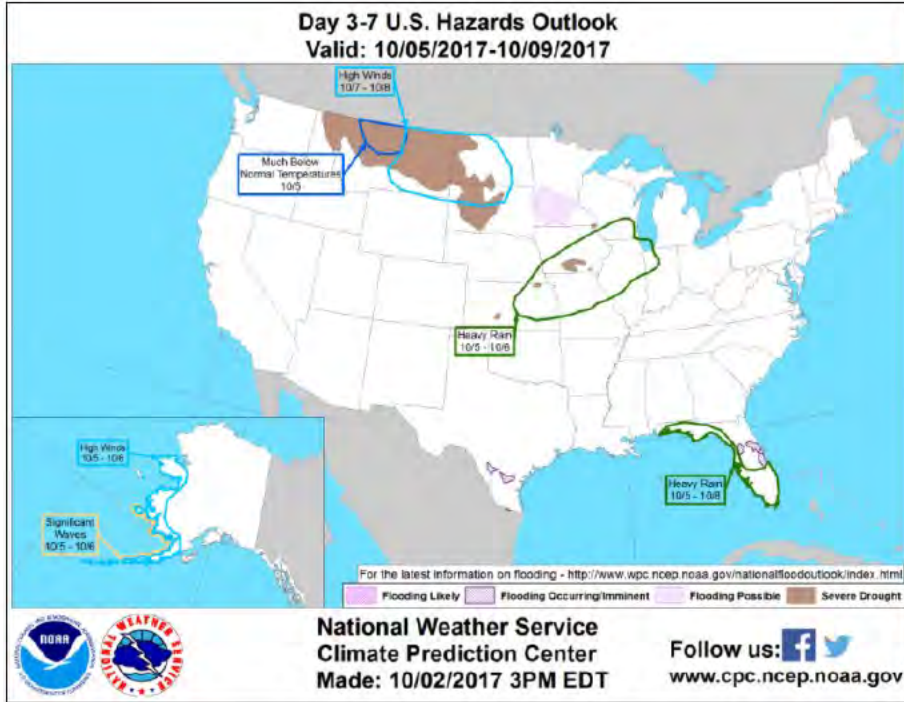


### Weather Hazard Assessment

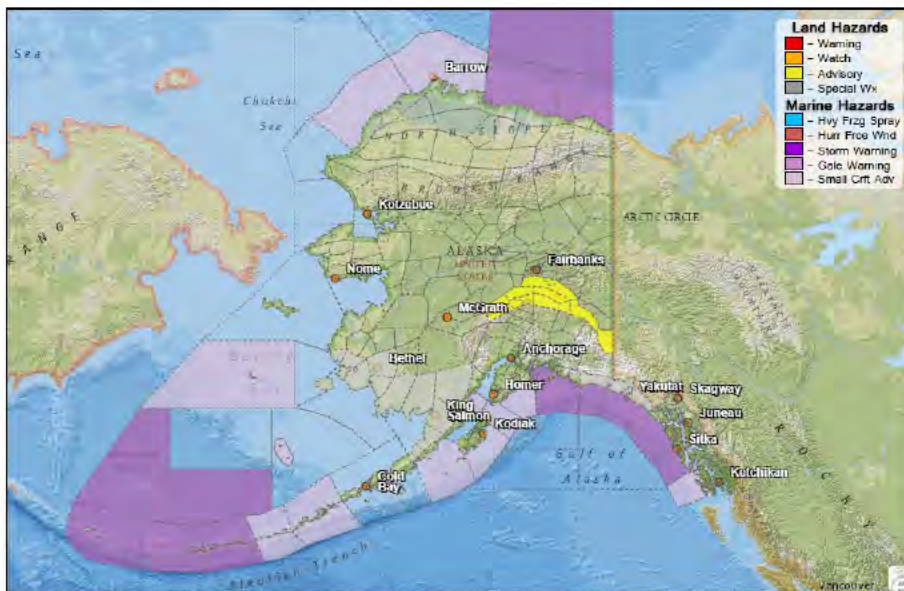
- October 3: Severe drought continues across the Plains, the northern Rockies, the middle Mississippi Valley, the upper Mississippi Valley, and Hawaii.
- October 3: Flooding is possible, occurring, or imminent across portions of the Southeast, the southern Plains, the upper Mississippi Valley, and the northern Plains.
- October 5: Much below-normal temperatures expected across portions of Montana.
- October 5-6: Heavy rain is likely across portions of the central Plains, the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley.
- October 5-6: High winds are likely across portions of western mainland Alaska and the Aleutians.



- October 5-6: High significant wave heights expected for coastal portions of western mainland Alaska and the Aleutians.
- October 5-8: Heavy rain across portions of Florida.
- October 7-8: High winds across portions of the northern Plains.



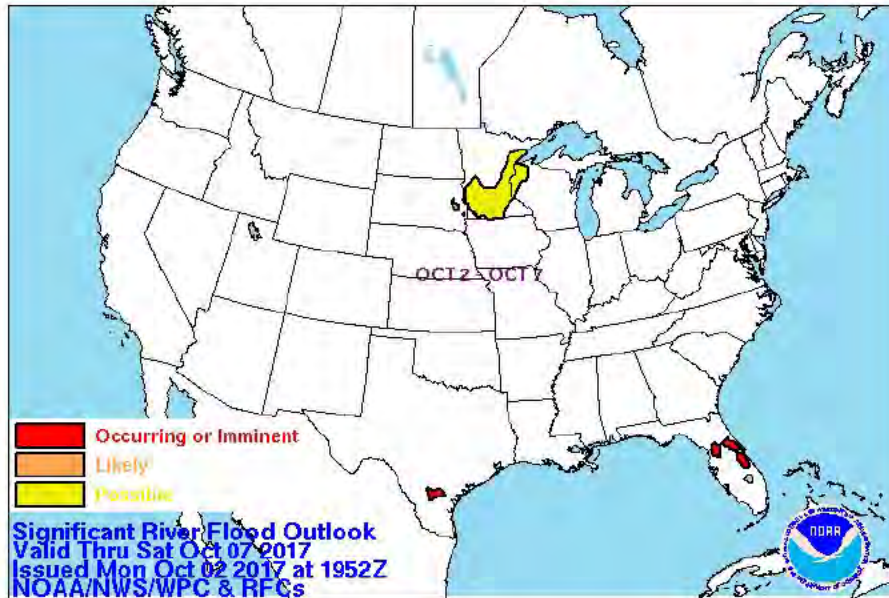
## Alaska Weather



A Gale Warning is in effect for portions of the central and eastern Gulf of Alaska, the central and western Aleutians, and from Cape Halkett to Demarcation Point. There is a Small Craft

Advisory in effect for portions of the central and western Gulf of Alaska, the Barren Islands, the Pribilof Islands, St. Matthew Island, the central Aleutians, from Dixon Entrance to Cape Decision, and from Cape Beaufort to Cape Halkett. There is a Wind Advisory in effect for portions of southeastern Alaska.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, southern Texas, and eastern South Dakota. Significant river flooding is possible across portions of Minnesota and northern Wisconsin.

### Severe Weather



There is a Marginal Risk of severe thunderstorm activity today over portions of eastern New Mexico.

### **Tornado Weather**

There is less than a 2-percent chance of tornado activity today across the U.S.

### **Fire Weather**



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for parts of northern California.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 3, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

##### **Area 1**

A trough of low pressure, located over the northwestern Bahamas, continues to produce an area of scattered showers and thunderstorms. Although tropical cyclone formation is not expected due to upper-level winds, the disturbance is forecast to move westward at 25 to 30 miles per hour (mph) for the next day or so. The low pressure area will spread locally heavy rainfall and strong gusty winds across portions of the northwestern Bahamas early this morning and across much of southern Florida later this morning and this afternoon. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.

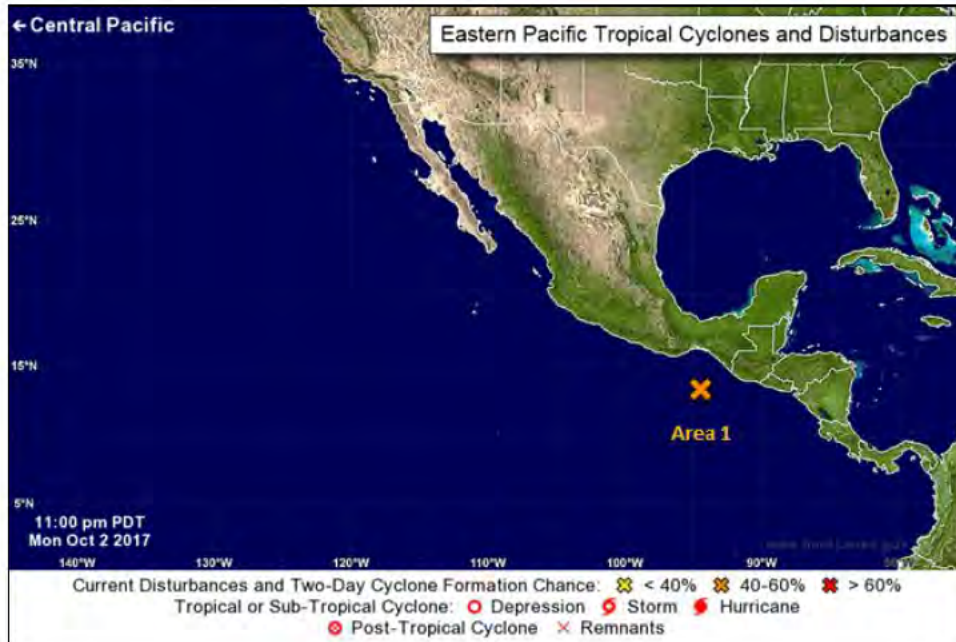
##### **Potential Area of Disturbance (Not Pictured)**

An area of low pressure is expected to form over the northwestern Caribbean Sea within the next few days. Some slow development of this system is possible by this weekend while the low

drifts northward into the southern Gulf of Mexico. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.



### Eastern Pacific Ocean



### Area 1

Showers and thunderstorms associated with an area of low pressure located near the Gulf of Tehuantepec have changed little during the past several hours. Environmental conditions are

expected to become conducive for some additional development of this disturbance while the system moves slowly west-northwestward over the next couple of days. This system has a 40-percent chance of developing into a tropical cyclone over the next 48 hours.

*\*End of Report\**

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Wednesday, October 4, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 2  
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 3 (Enhanced Operations)**

**Tropical Weather Response and Recovery**

**General Situation**

*Source: National Weather Service – October 4, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports that a Flash Flood Warning remains in effect for portions of the municipalities of Isabela and Quebradillas in Puerto Rico, due to the conditions at the Guajataca Dam. A passing tropical wave will produce showers and thunderstorms in Puerto Rico and the U.S. Virgin Islands from tomorrow through Saturday.

**DOI Mission Assignments as of October 4, 2017:**

There are a total of 161 DOI Personnel supporting the response under Federal Emergency Management Agency (FEMA) Mission Assignments for Hurricanes Maria and Irma.

<b><u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u></b>					<b><u>98</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>1</b>	<b>FWS</b>	<b>PR</b>	<b>\$60,000</b>	<b>1</b>	<b>4339DR-PR-DOI-04</b>

<b>Statement of work (SOW):</b> ESF #1 requesting one-flight a day, from Oct 1st - Oct 31st from either fixed-wing or rotary-wing aircraft for assessment of all roads and bridges within Puerto Rico.					
<b>4</b>	<b>DOI</b>	<b>PR</b>	<b>\$4M</b>	<b>39</b>	<b>4339DR-PR-USFS-07</b>
<b>SOW:</b> USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.					
<b>5</b>	<b>USGS</b>	<b>Denver, CO</b>	<b>\$5,000</b>	<b>1</b>	<b>4339DR-PR-USGS-01</b>
<b>SOW:</b> Provide landslide hazard analysis and impact assessment with geospatial data sets for inclusion in FEMA mapping products.					
<b>5</b>	<b>USGS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4339DR-PR-DOI-05</b>
<b>SOW:</b> Provide Technical Specialist assistance on how to operationalize crowdsourcing, help coordinate crowd sourcing efforts, as well as provide crowdsourcing resources and technical support.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4339DR-PR-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, Joint Field Office (JFO), or other facilities in support of FEMA response operations for Hurricane Maria in the Puerto Rico.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$30,000</b>	<b>1</b>	<b>4340DR-VI-DOI-01</b>
<b>SOW:</b> Activate DOI to the NRCC, JFO or other facilities in support of FEMA response operations for Hurricane Maria in the Virgin Islands.					
<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4339DR-PR-DOI-06</b>
<b>SOW:</b> Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC.					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.27M</b>	<b>52</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$25,000</b>	<b>1</b>	<b>4339DR-PR-DOI-03</b>
<b>SOW:</b> Provide a planner for the Natural and Cultural Resources Recovery Support Function (NCR RSF).					

<b>DOI Personnel Supporting IRMA Mission Assignments (MA)</b>					<b>63</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>USGS</b>	<b>PR</b>	<b>\$200,000</b>	<b>2</b>	<b>4336DR-PR-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>GA Coast</b>	<b>\$135,000</b>	<b>1</b>	<b>GA-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>SC Coast</b>	<b>\$170,000</b>	<b>1</b>	<b>SC-17083101-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>USGS</b>	<b>FL Coast</b>	<b>\$527,500</b>	<b>30</b>	<b>3385EM-FL-USGS-01</b>
<b>SOW:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
<b>5</b>	<b>BIA</b>	<b>FL</b>	<b>\$15,000</b>	<b>1</b>	<b>3385EM-FL-DOI-01</b>
<b>SOW:</b> Deploy Liaison to FL to coordinate with the Region 4 Tribal Liaison and the Seminole Tribe, as well as other affected tribes in the state.					
<b>11</b>	<b>OEPC</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>4337DR-FL-DOI-8</b>
<b>SOW:</b> Support ESF #11 (Agriculture and Natural Resources) at the FEMA NRCC					
<b>Non ESF</b>	<b>DOI Wide</b>	<b>Various</b>	<b>\$700,000</b>	<b>26</b>	<b>4377DR-FL-DOI-03</b>
<b>SOW:</b> Provide FEMA with additional staff to support Surge Capacity Force Teams.					
<b>NCR RSF</b>	<b>OEPC</b>	<b>Orlando, FL</b>	<b>\$127,211</b>	<b>1</b>	<b>4337-FL-DOI-07</b>
<b>SOW:</b> Deploy Field Coordinator(s) to FL Joint Field Office to support NCR RSF.					



**DOI Personnel Numbers as of October 3, 2017**

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 3, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>USFWS</b>	0	0	0	29
<b>USGS</b>	0	0	0	2
<b>NPS</b>	4	12	0	41

<b>Personnel Stationed and Remaining in Place As of October 3, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>BSEE</b>	0	0	0	1
<b>OS</b>	0	0	0	1
<b>USFWS</b>	3	0	0	58
<b>USGS</b>	0	0	0	30
<b>NPS</b>	17	34	0	96

**DOI Emergency Support Function (ESF) Support:**

**ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** All operational team members are present with 100-percent accountability. Current operations involve providing force protection for Urban Search and Rescue (USAR), Disaster Medical Assistance Teams (DMAT), and other Federal Operations Support (FOS) missions.

Eleven members of Maria Quick Response Team (QRT) 1 will demobilize today, leaving 13 on-mission. Nineteen members from QRT 2 will also demobilize today. Additional rosters are not needed at this time; however, QRT's 5 and 6 will remain in a standby status pending assignment, if needed. ESF #13 is assessing manpower needs at this time as the National Guard presence is expected to increase on the islands. The evaluation of manpower requirements is anticipated to be completed by October 6.

## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria and Irma Update**

*Source: National Park Service (NPS) – October 3, 2017*

All NPS Caribbean Parks remain closed, and all employees are accounted for. Basic supplies such as food, water, fuel, and shelter continue to be priorities and have been secured for the immediate future. Additional communications supplies have arrived to support internet connectivity, and communications with all NPS locations in the Caribbean improved slightly during the last operational period. All facilities remain on generator power.

The following park updates have been provided by the NPS:

#### **Caribbean Parks**

- *Christiansted National Historic Site (CHRI)*: The *Motor Vessel (M/V) Fort Jefferson* docked at Christiansted and unloaded supplies and personnel to support impacted employees. A curfew remains in effect from 10:00 p.m. to 6:00 a.m. daily. An agreement has been established with the U.S. Forest Service to provide resources to support operations through the national fire dispatch system, if needed.
- *Virgin Islands National Park (VIIS)*: Widespread debris continues to provide access challenges to response personnel. The NPS Pacific West Region (PWR) Special Event Team (SET) is providing security at the park.
- *San Juan National Historic Site (SAJU)*: Approximately 60-percent of the park staff reported to work yesterday. The Employee Assistance Group continues to meet with individual employees to assist them and their families. An additional Critical Incident Stress Management (CISM) team member arrived on site yesterday and assisted with peer support focusing on temporary and long-term recovery for park employees. The Incident Command and a local grounds work crew initiated cleanup operations at Las Palmas de San Jose.

#### **Continental U.S. Parks**

- *Big Cypress National Preserve (BICY)*: The preserve remains closed, and access remains limited to land owners only. The unpaved portion of the Loop Road remains closed due to downed trees. Clearing operations have been temporarily suspended due to the presence of poisonwood.
- *Biscayne National Park (BISC)*: The park is partially open, and park employees continue to prepare for reopening this week.
- *Everglades National Park (EVER)*: The park is partially open, and the Homestead visitor entrance is currently open to Paurotis Pond. Shark Valley continues to experience a rise in water levels. Over the weekend, sandbags were placed around the entrance station,

and personnel are monitoring the situation and working to protect structures and provide for employee safety. The bookstore has removed their inventory from the building. At Flamingo, crews continue to work on the housing units, as well as cleaning up the campground and boat ramps.

A structural engineer assessment has been requested for the Gulf Coast Visitor Center in order to develop a temporary shoring plan to stabilize the building for the removal of NPS property. Clearing operations continued along the main road to Flamingo, and saw crews are continuing work in the Long Pine Key campground and on Sandfly Island in the Gulf Coast District. Crews are assessing the status of chickees (elevated camping platforms) in the backcountry, and boat operators are continuing to mark underwater debris.

- *Cumberland Island National Seashore (CUIS)*: The park museum is open, but the remainder of the park is closed. Saw crews continue to work to clear the main road, the River Trail, and the Plum Orchard area on the island.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open, but the visitor center area of the park will remain closed pending the removal of hazardous limbs and trees. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to ferry boats can be completed.
- *Fort Pulaski National Monument (FOPU)*: The park is now partially open, and all employees have returned in preparation for a full reopening this week. Electrical work at the water tank area and recreational vehicle (RV) pad has been completed. The park is awaiting the water tank replacement.

### **U.S. Fish and Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – October 3, 2017*

USFWS teams and employee responders continue to obtain commodities from distribution centers and redistribute them to employees and family members. Communication issues remain challenging. The switch in cell phone providers in some areas has resulted in problems with coverage and the ability to send text messages. The exception to this is in Culebra and St. Croix where it is reported that cell phone coverage is improving.

Currently, there are 29 forward deployed USFWS employees in Puerto Rico and the U.S. Virgin Islands, which are not part of FEMA Mission Assignments. Four USFWS aircraft are conducting overflight missions assisting ESF #13 functions and performing road assessments. Coordination efforts continue with ESF #8 (Public Health and Medical Services) regarding a USFWS employee's relative who requires specialized medical care.

- *USFWS Team #1*: The team is continuing with welfare checks. A total of 10 generators will be shipped from Merritt Island, Florida to San Juan to provide support to USFWS

employees and teams working in the area. Planning continues for team member rotation, and the demobilization of existing team members is expected by Friday.

- USFWS Team #2: The team, consisting of 19 personnel, continues to perform tasks in various areas of operation and is coordinating aviation support for USFWS team missions, including the delivery of fuel. Two members of this team are communicating and providing assistance to the Southern Area Type-2 Incident Management Team (IMT) in St. Croix. In the coming weeks, the team is expected to begin compiling a list of USFWS assets that have been damaged across the Caribbean.

### **USFWS Caribbean Stations**

- Cabo Rojo National Wildlife Refuge (NWR): The refuge continues to utilize the maintenance facility as a point of distribution (POD) for internal USFWS supplies and provisions. Additional supplies of water and food were received yesterday, and welfare checks and the distribution of supplies to employees and families continues.
- Culebra NWR: Work continues towards cleaning, removing debris, and assisting the community. Damage assessments are ongoing.
- Vieques NWR: The refuge is reporting that the generator system has been repaired and is now operational. The distribution of food and water remains a high priority for the refuge.
- Puerto Rico Parrot Program: Medical supplies have been received for the parrots housed at the aviary. Additional supplies could possibly be included with a generator shipment in the coming days. Work continues to clean and repair parrot cages in the aviary.

### **DOI Support to the FEMA Surge Capacity Force**

Source: DOI Office of Emergency Management - October 3, 2017

Twenty-five employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 27 DOI employees on October 8.

The Small Business Administration (SBA) is working with 67 DOI employees to place them in roles within the SBA to help provide support to hurricane victims. These 67 employees could be deployed as early as the end of the week. DOI is working to identify other resources that can support the SBA mission in the coming weeks.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center – October 4, 2017*

The following update for Puerto Rico, the U.S. Virgin Islands, and the continental U.S. has been provided by the DHS National Operations Center as of October 4 at 4:30 a.m. EDT:

- *Puerto Rico:* Of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants, 33 are working on generator power and 18 are non-operational. An island-wide Boil Water Advisory remains in effect. Sixty-six hospitals are reportedly open, and one hospital is closed. Electrical power has been restored to 15 hospitals, with an additional 51 functioning in a degraded status. The *USNS Comfort* arrived yesterday with 800 medical personnel and support staff. Twenty-nine out of 46 grocery and “big box” stores are open, and over 750 of the 1,100 retail gas stations are operational.

Concrete barriers and super sandbags continue to be placed along the Guajataca Dam spillway, and evacuations remain in effect. The Italian flagged *La Suprema* is scheduled to arrive in Puerto Rico today for responder berthing. Seven Department of Defense ships are scheduled to arrive by tomorrow with 3.5 million liters of water and 5.5 million meals. A U.S. Coast Guard (USCG) Enhanced Mobile Incident Command Post is also scheduled to arrive in San Juan tomorrow.

- *U.S. Virgin Islands:* The U.S. Environmental Protection Agency (EPA) and U.S. Virgin Islands Department of Planning and Natural Resources water teams assessed 101 of 161 public water systems in St. Croix and found 66 were functional. A territory-wide Boil Water Advisory remains in effect. Numerous roads are partially closed on St. Thomas and St. John, and most highways are open on St. Croix. All traffic signals on St. Thomas and St. Croix are completely destroyed. A Royal Caribbean ship, transporting 3,188 passengers from the U.S. Virgin Islands and Puerto Rico, has arrived at Port Everglades, Florida.
- *Continental U.S. Locations:* More than 30,000 households in Texas and Florida remain in temporary housing. Media sources report dozens of injured victims from the Caribbean arrived at Dobbins Air Force Base in Georgia, joining hundreds of other injured persons already at the base.

## **Harvey Recovery and Response Efforts**

### **DOI Mission Assignments as of October 4, 2017:**

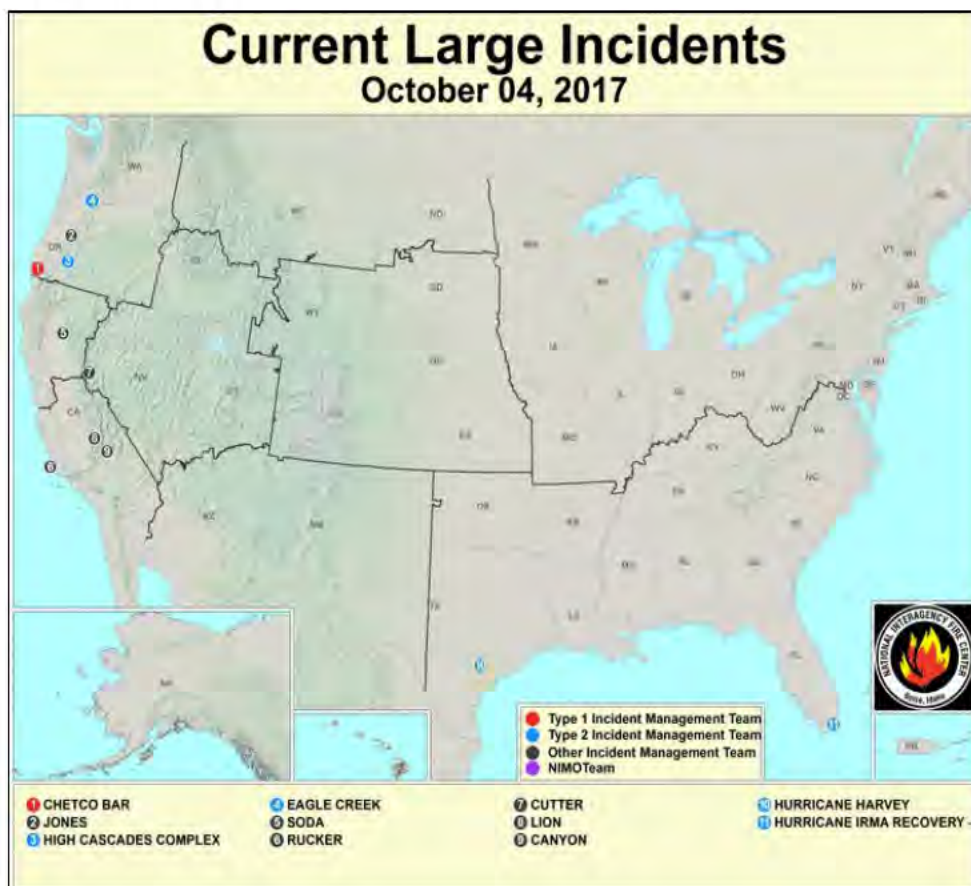
There are currently a total of 15 DOI Personnel supporting the response under the FEMA mission assignments.

<b>DOI Personnel Supporting HARVEY MAs</b>	<b>15</b>
--------------------------------------------	-----------

ESF	B/O	LOCATION	AMOUNT	PERSONNEL	MA #
5	USGS	TX	\$1M	10	4332DR-TX-USGS-01
SOW: Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations.					
8	NPS	TX	N/A	2	N/A
SOW: Support patient movement, well water sampling, and the HHS Operations Center.					
15	OCO	Austin, TX	\$10,000	1	4332DR-TX-DOI-09
SOW: Provide public affairs expert to support the FEMA Joint Information Center.					
NCR RSF	OEPC	Austin, TX	\$109,700	2	4332DR-TX-DOI-08
SOW: Deploy Field Coordinator(s) to the Joint Field Office to support the NCR RSF.					

### Wildland Fire Activity

#### Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 4, 2017*

### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (37 new fires)
New large fires:	1
Large fires contained:	0
Uncontained large fires: **	7
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	6

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but it is unclear whether lava effusion continues or has paused. Satellite observations have been obscured by clouds, and no activity was observed in web camera views, seismic data, and infrasound data during this reporting period.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 3, 2017*

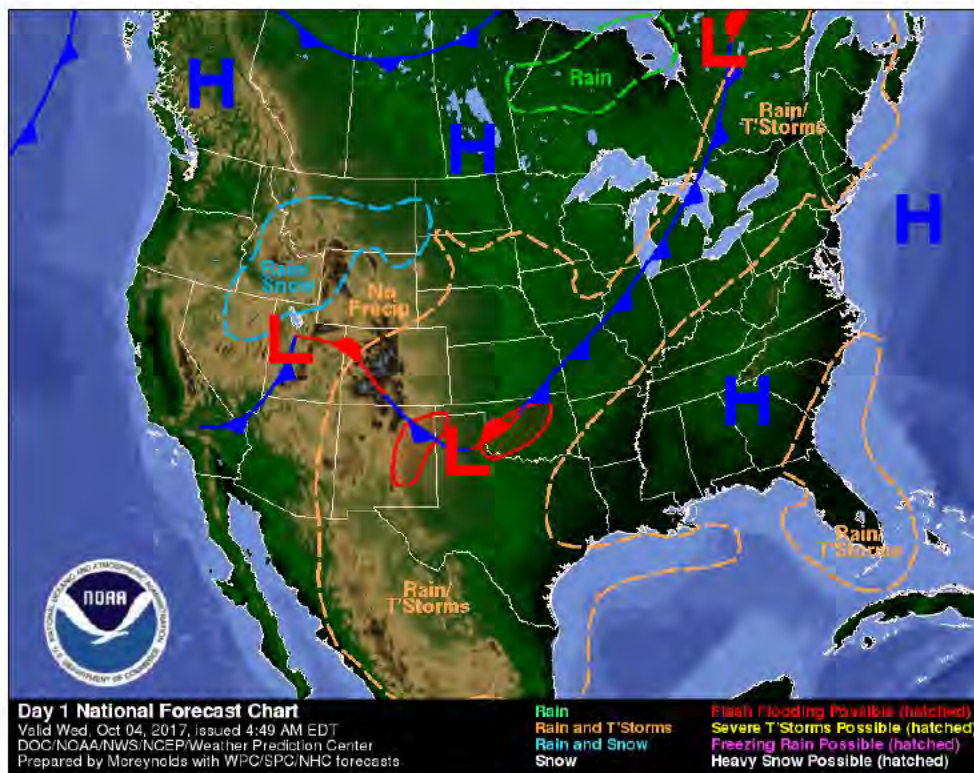
**Alert Level = WATCH**

**Color Code = ORANGE**

Activity continues at the summit of the Kilauea Volcano and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. Seismic tremor on the East Rift Zone continues at decreased levels compared to the activity recorded prior to this past weekend. Web camera images suggest that the ocean entry plume at Kamokuna has waxed and waned during this reporting period. Surface flow activity persists on the upper portion of the flow field and on the pali, with minor breakouts scattered in other areas of the coastal plain. These lava flows pose no threat to nearby communities at this time.

## **Significant National Weather**

**Source:** *National Weather Service - October 4, 2017*



### **Today**

Rain and thunderstorms will continue across Florida and the Southeast coastal regions. A ridge of high pressure will produce fair and dry weather from the mid-Atlantic to the Deep South. A frontal system will extend from eastern Canada across the Great Lakes to the southern Plains, continuing back to an area of low pressure over Utah. Rain and thunderstorms are expected from eastern Canada and New England across the southern Great Lakes to the Great Plains. Isolated strong thunderstorms, capable of hail, are possible this afternoon over parts of northwestern New Mexico. Heavy rain is forecast to develop along a cold front across portions of central Oklahoma and eastern New Mexico into the Texas and Oklahoma panhandles region, creating localized flooding and flash flooding possibilities in these areas. Rain and snow are likely for the higher elevations of the northern Rockies and surrounding areas. High pressure will continue to produce dry conditions for the West Coast.

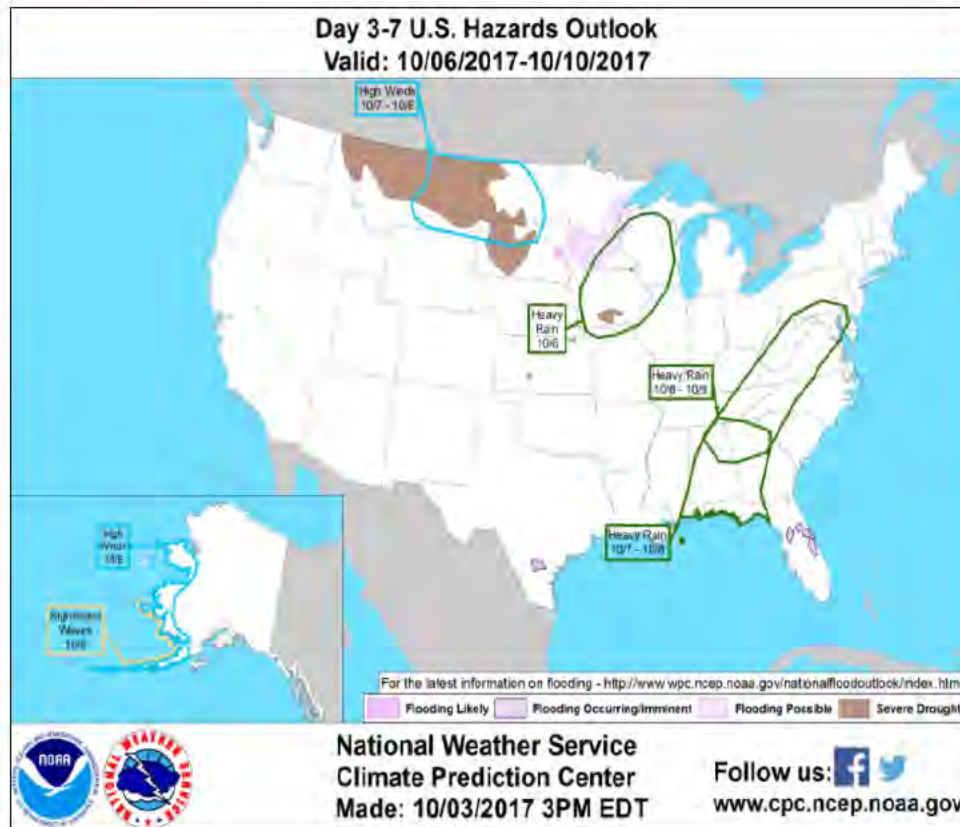
### **Tomorrow**

Heavy rain and flash flooding are likely for parts of the eastern coastal areas of the Florida. Rain and thunderstorms will extend from the Northeast to the central Plains and into the southwestern Plains. A few strong to severe thunderstorms with hail and locally strong wind gusts will be possible tomorrow from portions of New Mexico into northwestern Kansas. Heavy rain and



flash flooding are forecast to develop from central Kansas to northern Illinois. Rain and snow will be possible for portions of the central and northern Rockies.

## Weather Hazard Assessment



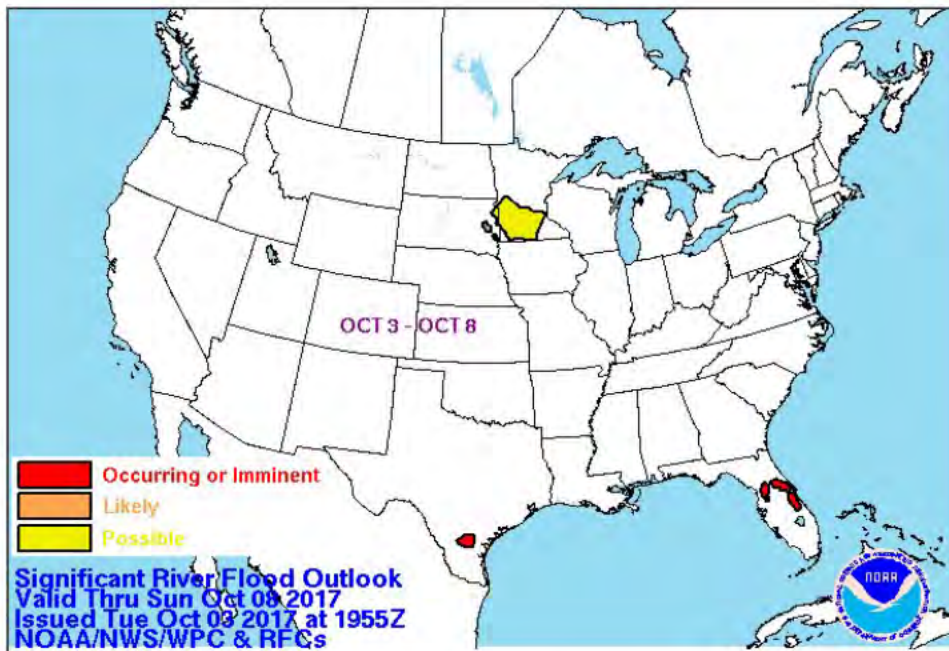
- October 4: Flooding is likely or possible across portions of the upper Mississippi Valley and the northern Plains.
- October 4: Flooding is occurring or imminent across portions of the Southeast and the southern Plains.
- October 4: Severe drought continues across portions the Plains, the northern Rockies, the middle and upper Mississippi Valley, and Hawaii.
- October 6: High winds across portions of western mainland Alaska and the Aleutians.
- October 6: High significant wave heights for coastal portions of western mainland Alaska and the Aleutians.
- October 6: Heavy rain across portions of the middle and upper Mississippi Valley and the Great Lakes.
- October 7-8: Heavy rain across portions of the Southeast, the southern Appalachians, and the Tennessee Valley.
- October 7-8: High winds across portions of the northern Plains.
- October 8-9: Heavy rain across portions of the central and southern Appalachians, the Tennessee Valley, the mid-Atlantic, and the Southeast.

## Alaska Weather



A High Wind Watch is in effect for portions of southwestern and southeastern Alaska, St. Lawrence Island, Brevig Mission, and Wales.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, eastern South Dakota, and southern Texas. Significant river flooding is possible across portions of southern Minnesota and eastern South Dakota.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today in central New Mexico.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 4, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

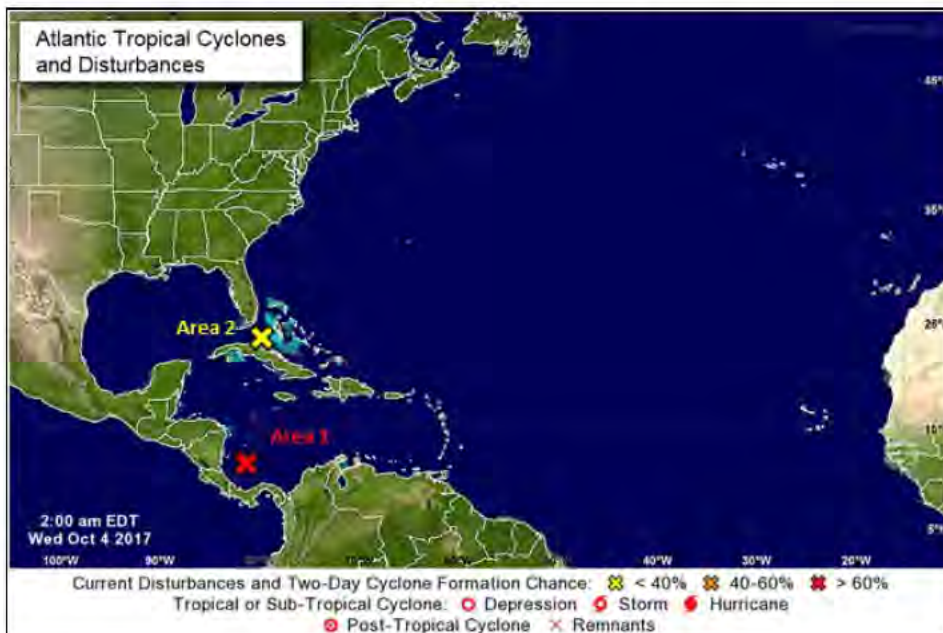
#### Area 1

Showers and thunderstorms associated with the broad area of low pressure located over the southwestern Caribbean Sea continue to show signs of organization. Environmental conditions are forecast to steadily become more conducive for development, and this system is expected to become a tropical depression within the next couple of days. The large disturbance should move slowly northwestward into the northwestern Caribbean Sea on Thursday and emerge over the southern Gulf of Mexico by the weekend. Interests in Nicaragua, Honduras, Belize, and the Yucatan Peninsula should monitor the progress of this system over the next few days. A U.S. Air Force Reserve reconnaissance aircraft is scheduled to investigate the disturbance this afternoon, if necessary. Regardless of development, this system will likely produce heavy rains

over portions of Central America during the next few days. This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

## Area 2

A trough of low pressure located over central Cuba and extending northward into the Straits of Florida is producing a broad area of disorganized showers and thunderstorms across southern Florida, the northwestern Bahamas, and the adjacent Atlantic waters. Although significant development of this system is not expected due to strong upper-level winds, brief squalls will likely produce locally heavy rainfall and strong gusty winds over portions of the Bahamas and southern Florida during the next couple of days. This system has a 10-percent chance of developing into a tropical cyclone over the next 48 hours.



## Eastern Pacific Ocean

### Tropical Storm Ramon

The National Hurricane Center is reporting that Tropical Storm Ramon has formed in the eastern Pacific Ocean. At 5:00 a.m. EDT, Ramon was located approximately 100 miles south-southeast of Puerto Angel, Mexico, and moving to the west at 9 miles per hour (mph). This general motion, with some increase in forward speed, is expected over the next day or two. On the forecast track, the center of Ramon is expected to move parallel and offshore of the coast of southern Mexico. Maximum sustained winds are 45 mph, and little change in strength is expected over the next couple of days. There are no coastal watches or warnings in effect, and this storm is not threatening U.S. interests at this time.



HURREVAC Image

*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, October 5, 2017

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**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 5, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports chances for shower and thunderstorm activity will increase across Puerto Rico and the U.S. Virgin Islands today and Friday as deep tropical moisture streams in from the east. Some storms will be capable of producing heavy downpours, cloud to ground lightning, and flooding of low lying areas. In addition, hot and humid conditions will persist with heat indices approaching 100 degrees which may cause heat related illness in prolonged exposure.

### **DOI Response and Recovery Efforts as of Personnel Numbers as of October 4, 2017**

There are a total of 170 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 87 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 241 DOI personnel that remain at their home station in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 4, 2017 at 10:00 p.m. EDT														
Function	Location	BIA	BLM	BOEM	BSEE	FWS	NPS	OEPC	OIG	OS	USGS	USPP	Training	Total
ESF-1 Transportation	CONUS													0
	PR					2								2
	USVI					2								2
ESF-4 Firefighting	CONUS		1											1
	PR	3	13			6	8							30
	USVI		7				1							8
ESF-5 Emergency Management	CONUS	1								3	34			38
	PR									1				1
	USVI													0
ESF-8 Public Health & Medical Services	CONUS						2							2
	PR													0
	USVI													0
ESF-10 Oil & Hazardous Materials	CONUS							1						1
	PR													0
	USVI													0
ESF-11 Agriculture & Natural Resources	CONUS									2				2
	PR													0
	USVI													0
ESF-13 Public Safety & Security	CONUS													0
	PR	14	26				1		1	3		7		52
	USVI													0
ESF-15 External Affairs	CONUS										1			1
	PR													0
	USVI													0
DHS Surge Capacity Force	CONUS		1	1			5						10	17
	PR		3	1			1			1				6
	USVI		1				2							3
NCR RSF	CONUS							4						4
	PR													0
	USVI													0
<b>Totals</b>		18	52	2	0	10	20	4	1	10	35	7	10	170

## **DOI Support to FEMA Interagency Response and Recovery Efforts**

### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** All operational team members are present and accounted for. Current operations involve providing force protection for Urban Search and Rescue (USAR), Disaster Medical Assistance Teams (DMAT), and other Federal Operations Support (FOS) missions.

- One team member from MARIA Quick Response Team (QRT) 3 demobilized Wednesday for personal reasons. Eleven members of Maria Quick Response Team (QRT) 1 were demobilized yesterday, leaving 13 remaining on-mission. Nineteen members from QRT 2 arrived in Orlando. Rosters for DOI MARIA QRTs 5 and 6 were submitted to the ESF-13 NCC on Friday. These teams remain in STANDBY status at their home units, pending assignment. We anticipate knowing whether or not they will be mobilized by Friday, 6 October and have been asked to have these teams remain in STANDBY status until then.

**DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Twenty-six employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The OEM is working with FEMA to deploy an additional 27 DOI employees on October 8.

**DOI Support to Small Business Administration (SBA)**

- **OEM:** The SBA is working with 67 DOI employees place them in certain roles with the SBA to provide support to hurricane victims. These personnel may be deployed as early as weeks end. DOI is working to identify other resources that can support the SBA mission in the coming weeks.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 4, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	0	0	2	2
<b>St. John</b>	0	0	12	12
<b>St. Thomas</b>	0	0	0	0
<b>Puerto Rico</b>	29	2	42	73
<b>Totals</b>	29	2	56	87

<b>Personnel Stationed and Remaining in Place As of October 4, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	1	0	3	0	17	21
<b>St. John</b>	0	0	0	0	34	34
<b>St. Thomas</b>	0	0	0	0	0	0
<b>Puerto Rico</b>	1	1	58	30	96	186
<b>Totals</b>	2	1	61	30	147	241



## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria and Irma Update**

*Source: National Park Service (NPS) – October 4, 2017*

All NPS Caribbean Parks remain closed and all employees are accounted for. The basic supplies which include water, food, fuel and shelter continue to be priorities and have been secured for the immediate future. All facilities remain on generator power and communications with all NPS locations in the Caribbean have improved slightly during the last 24 hours.

The following park updates have been provided by the NPS:

### **Caribbean Parks**

- Christiansted National Historic Site (CHRI)/St. Croix: Distribution of supplies aboard the *Motor Vessel (M/V) Fort Jefferson* docked at Christiansted has begun. Staff are working abbreviated schedules to allow time for personal recovery at their homes. A curfew remains in effect from 7:00 p.m. to 10:00 a.m. daily. The ferry between St. Thomas and St. Croix was expected to begin operations yesterday. Although most stores remain closed, customers can expect long lines at the few that have reopened. Air conditioning units powered by generators are being brought in to preserve museum collections. The *M/V Caracara* is in operation to assist with other boating operations.
- Virgin Islands National Park (VIIS): Cleanup, debris removal, and debris disposal coordination efforts continue at the park. NPS approved usage of the Baseball Field for the U.S. Postal Service to set up operations. A commercial dive team was hired to assess moorings and other floating balls.
- San Juan National Historic Site (SAJU): The majority of Emergency Incident Management Team (EIMT) returned to Emergency Operations Center (EOC) at Convention Center for connectivity and communications purposes. A dock at the pier was secured for the return of MV Fort Jefferson. MV Fort Jefferson with 20 individuals counting crew and Law Enforcement who returned from St. John with personal effects recovered. The U.S. Army approached EIMT at EOC to request a landing zone (LZ) for flying patients requiring evacuation from SAJU to the USS Comfort which docked nearby; was approved by superintendent and EIMT but the Army located a more suitable LZ nearby.

### **Continental U.S. Parks**

- Big Cypress National Preserve (BICY): The preserve remains closed, and access remains limited to land owners only. The unpaved portion of the Loop Road remains closed due to downed trees. Clearing operations have been temporarily suspended due to the presence of poisonwood. The equipment to facilitate safe debris removal for this area has been requested.

- *Biscayne National Park (BISC)*: The park is partially open, and park employees have returned to work in preparation for reopening this week.
- *Everglades National Park (EVER)*: The park is partially open, and the Homestead visitor entrance is currently open to Paurotis Pond. Shark Valley continues to experience a rise in water levels. Over the weekend, sandbags were placed around the entrance station, and personnel are monitoring the situation and working to protect structures and provide for employee safety. The bookstore has removed their inventory from the building. Flamingo crews continue to work on the housing units, as well as cleaning up the campground and boat ramps.

A structural engineer assessment has been requested for the Gulf Coast Visitor Center in order to develop a temporary shoring plan to stabilize the building for the removal of NPS property. Clearing operations continued along the main road to Flamingo, and saw crews are continuing work in the Long Pine Key campground and on Sandfly Island in the Gulf Coast District. Crews are assessing the status of chickees (elevated camping platforms) in the backcountry, and boat operators are continuing to mark underwater debris.

- *Cumberland Island National Seashore (CUIS)*: The park museum is open, but the remainder of the park is closed. Saw crews continue to work to clear the main road, the River Trail, and the Plum Orchard area on the island.
- *Fort Matanzas National Monument (FOMA)*: The park is partially open, but the visitor center area of the park will remain closed pending the removal of hazardous limbs and trees. Beach and island areas of the park are open to the public, but the fort will remain inaccessible to the public until repairs to ferry boats can be completed.
- *Fort Pulaski National Monument (FOPU)*: The park is now partially open, and all employees have returned in preparation for a full reopening this week. Electrical work at the water tank area and recreational vehicle (RV) pad has been completed. The park is awaiting the water tank replacement.

### **U.S. Fish and Wildlife Service - Maria and Irma Update**

Source: U.S. Fish and Wildlife Service (USFWS) – October 4, 2017

USFWS teams and employee responders continue to obtain commodities from distribution centers and redistribute them to employees and family members. Communication issues remain challenging. The switch in cell phone providers in some areas has resulted in problems with coverage and the ability to send text messages. Culebra and St. Croix are the exception as it is being reported that cell phone coverage is improving.

Currently, there are 30 forward deployed USFWS employees in Puerto Rico and the U.S. Virgin Islands, which are not part of FEMA Mission Assignments.

USFWS Teams 1 and 2 have combined resources and are now referred to as the USFWS Team. The team is continuing with welfare checks to employees unable to reach PODs. Additionally, the team will conduct initial damage assessments to FWS facilities, coordinate with FEMA on aviations support, provide security to USFWS assets and infrastructure, protect St. Croix assets from vandalism, and assist with debris removal.

A total of 10 generators will be shipped from Merritt Island, Florida to San Juan to provide support to USFWS employees and teams working in the area. Planning continues for team member rotation, though the high demand for flights departing the island creates a challenge for return transportation.

USFWS has arranged to have a representative at the Joint Field Office (JFO) in Puerto Rico to enhance coordination efforts. The USFWS Information Technology (IT) Specialist will combine efforts with the DOI Office of Chief information Officer (OCIO) to assist with infrastructure impacts and any other relevant issues. USFWS is also coordinating with ESF #8 (Public Health and Medical Services) to provide assistance for an employee family member in critical need of treatment.

### **USFWS Caribbean Stations**

- *Cabo Rojo National Wildlife Refuge (NWR):* The refuge continues to utilize the maintenance facility as a point of distribution (POD) for internal USFWS supplies and provisions. Employee welfare checks, and water and food distribution for employees and families continue. Refuge management and staff are coordinating with local community leaders to determine how the refuge can assist in local response, recovery, and stabilization efforts.
- *Culebra NWR:* Work continues towards cleaning, removing debris, and assisting the community. Damage assessments are ongoing.
- *Vieques NWR:* Recovery efforts continues for employee residences and providing assistance to the community. The distribution of food and water remains a high priority for the refuge.
- *Puerto Rico Parrot Program:* Medical supplies have been received for the parrots housed at the aviary. Work continues to clean and repair parrot cages in the aviary.

### **Guajataca Dam Spill**

Source: U.S. Geological Survey (USGS) - October 4, 2017

The USGS is working to safely install new stream gages downstream of the Guajataca Lake spillway and will continue to monitor the spillway via video feed from the rooftop of a private home. There are over 50 streamgage sites that have been visited, and there are over 24 sites left to visit. More than 22 sites have been repaired and nine sites have been destroyed. Fourteen employees were in the field and six are on Mission Assignment (MA). All six hydrology technicians have arrived and will be in the field making repairs, another six are expected to arrive sometime next week, if housing is secured.

Discussions between the U.S. Army Corp Engineers (USACE) and Puerto Rican Electric Power Authority (PREPA) regarding the structural integrity of the spillway are ongoing. The USGS has installed a video camera on the top of a home to visualize the spillway 24/7; however, they are still awaiting generator and floodlights at the site. Spillway photos are below:



*Photos by John Parks, USGS*

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center – October 5, 2017*

The following update for Puerto Rico, the U.S. Virgin Islands, and the continental U.S. has been provided by the DHS National Operations Center as of October 5 at 5:00 a.m. EDT:

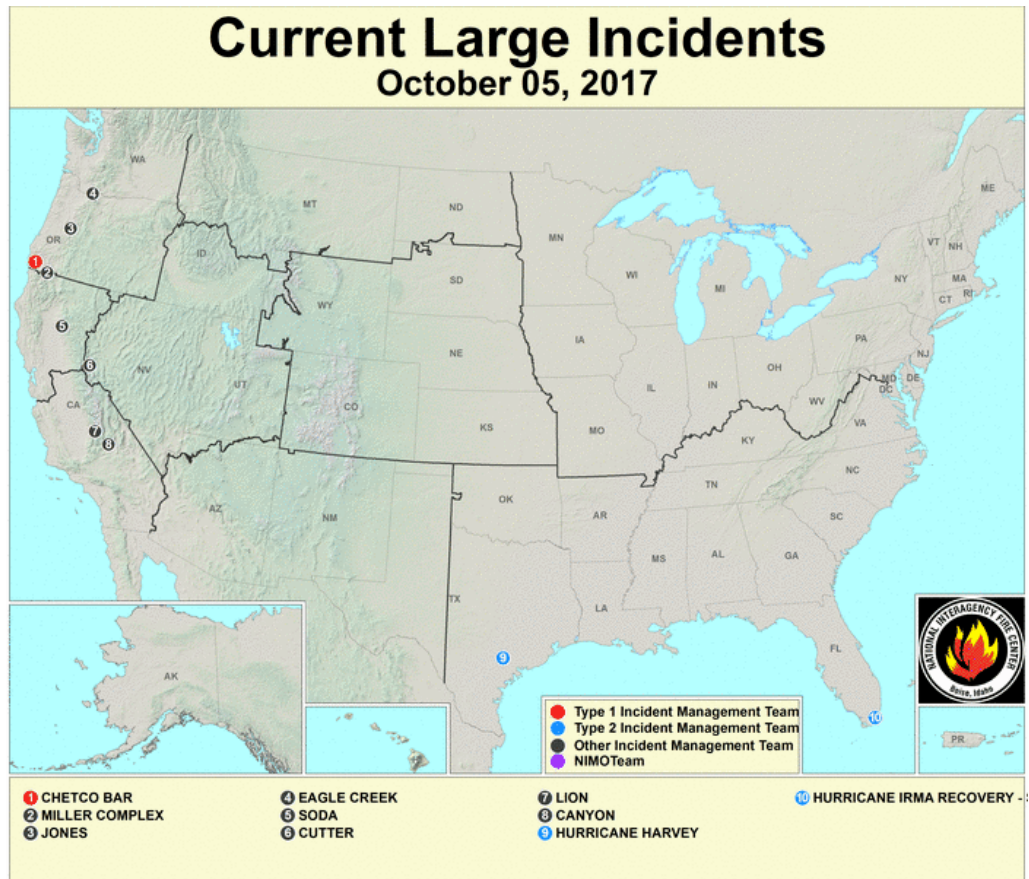
- *Puerto Rico:* Thirty-three of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants are working on generator power, and 18 are non-operational at this time. An island-wide Boil Water Advisory remains in effect. Sixty-six hospitals are reportedly open, and one hospital is closed. Electrical power has been restored to 15 hospitals, with an additional 51 functioning in a degraded status. The *USNS Comfort* arrived yesterday with 800 medical personnel and support staff. Twenty-nine out of 46 grocery and “big box” stores are open, and over 837 of the 1,100 retail gas stations are operational.

Stabilization efforts continue for the Guajataca Dam spillway, and evacuations remain in effect. Seven Department of Defense ships are scheduled to arrive today with 3.5 million liters of water and 5.5 million meals. A U.S. Coast Guard (USCG) Enhanced Mobile Incident Command Post is also scheduled to arrive in San Juan today. Hurricane response operations throughout Puerto Rico and the U.S. Virgin Islands are being supported by the U.S. National Guard from 36 states.

- U.S. Virgin Islands: The U.S. Environmental Protection Agency (EPA) and U.S. Virgin Islands Department of Planning and Natural Resources water teams assessed 101 of 161 public water systems in St. Croix and found 66 were functional. A territory-wide Boil Water Advisory remains in effect. There are four days of emergency water storage for St. Thomas, St. John, and St. Croix, totalling more than 207,000,000 gallons. Numerous roads are partially closed on St. Thomas and St. John, and most highways are open on St. Croix. All traffic signals on St. Thomas and St. Croix are completely destroyed.
- Continental U.S. Locations: More than 30,000 households in Texas and Florida remain in temporary housing. Gulf Coast states have begun monitoring the development of Tropical Depression Sixteen.

## **Wildland Fire Activity**

### **Large Fire Map**



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 5, 2017*

**National Preparedness Level 2**

**National Fire Activity**

Initial attack activity:	Light (66 new fires)
New large fires:	0
Large fires contained:	1
Uncontained large fires: **	5
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but it is unclear whether lava effusion continues or has paused. Satellite observations have been obscured by clouds, and no activity was observed in web camera views, seismic data, and infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Activity continues at the summit of the Kilauea Volcano and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. Web camera images suggest that the ocean entry plume at Kamokuna have diminished in strength during this reporting period. Surface flow activity persists on the upper portion of the flow field and on the pali, with minor breakouts scattered in other areas of the coastal plain. These lava flows pose no threat to nearby communities at this time.

## **Significant National Weather**

*Source: National Weather Service - October 5, 2017*

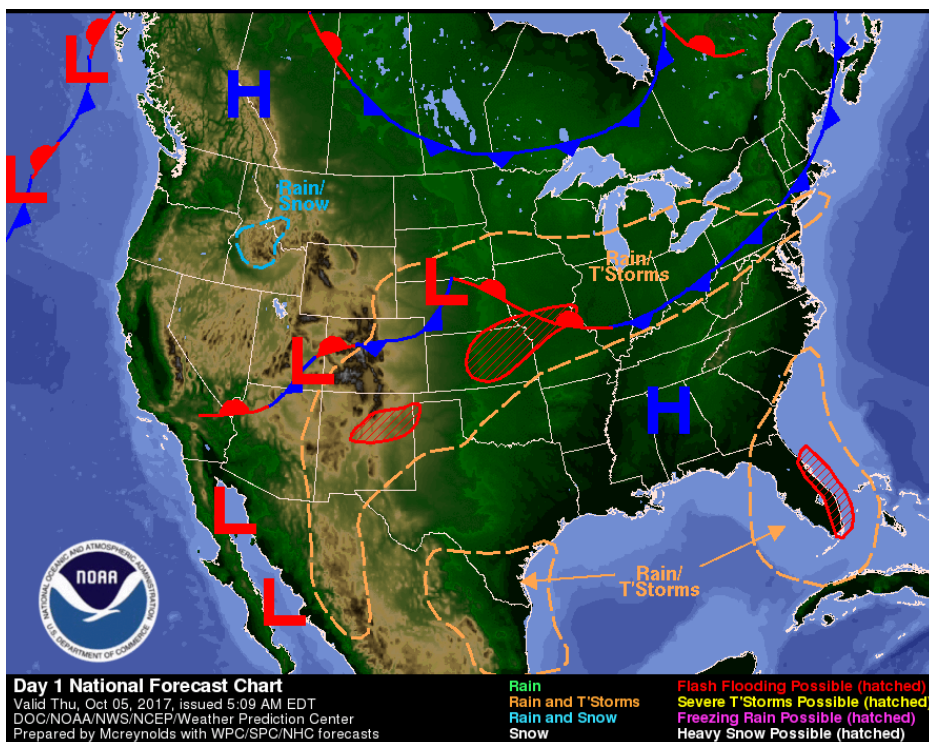
### **Today**

Rain and thunderstorms will develop across the Florida peninsula and portions of the Georgia and South Carolina coastal regions. Rain is forecast to be heavy for most of the east coast of the Florida peninsula where flooding and flash flooding will be a concern. More showers and thunderstorms will develop over the southern tip of Florida and the lower Rio Grande Valley. A frontal boundary will stretch from the New England coast west through the Ohio Valley and the Midwest to a wave of low pressure over the Nebraska. The front will continue through the central Rockies to southern Nevada. Scattered showers and thunderstorms will extend from New

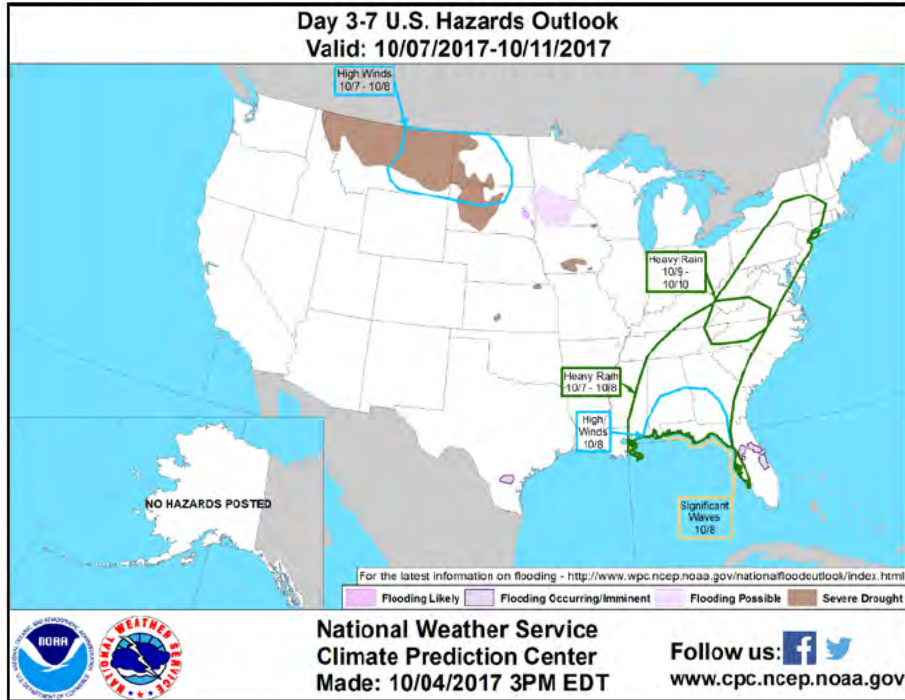
Jersey west to the central Plains continuing down into the southwest Plains. Areas of heavy rain and flash flooding will be found across the central Plains into the mid-Mississippi Valley and central New Mexico. Rain and snow will be possible for the higher elevations of the central Idaho mountains.

### Tomorrow

Rain is expected from the eastern Great Lakes into the Northeast to the southern New England coast. Scattered rain and thunderstorms will be found across the central Great Plains, the upper Midwest, and portions of the Great Lakes. A few severe thunderstorms are expected from a portion of northwest Texas, western and central Oklahoma into central and eastern Kansas Friday afternoon and evening. Hail and locally damaging wind gusts will be the main threats. Heavy rain and flash flooding will be possible from central Kansas to southwestern Wisconsin. Rain and snow is forecast for parts of the central Rockies. Rain and thunderstorms are expected for far southern Texas and for parts of the upper Rio Grande Valley. Rain showers are possible into northwest Oregon. Rain and snow will extend into the northern Cascades and far northern Rockies.

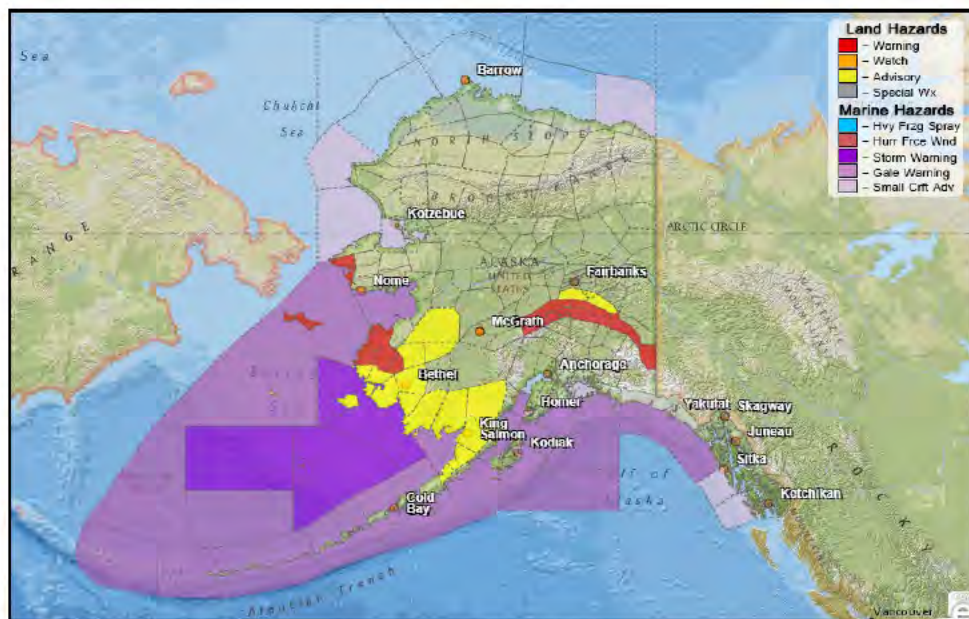


## Weather Hazard Assessment



- October 7-8: Heavy rain across portions of the Gulf Coast, the southern Appalachians, the Tennessee Valley, and the Southeast.
- October 7-8: High winds across portions of the northern Plains.
- October 8: High winds across parts of the Gulf Coast and Southeast.
- October 8: High significant wave heights for parts of the eastern Gulf Coast.

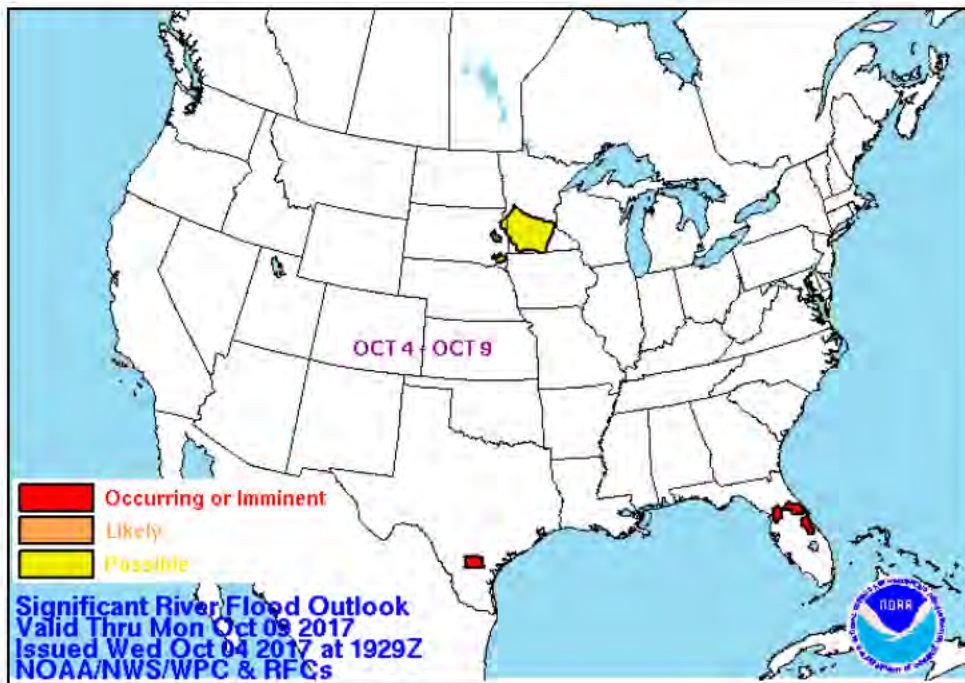
## Alaska Weather





A High Wind Warning is in effect for Gambell, Savoonga, Wales, Brevig Mission, Emmonak to Marshall, and Denali to Chisana. A Small Craft Advisory is in effect for Cape Thompson to Kotzebue Sound, Flaxman Island to Demarcation Point, Prince William Sound, and Cape Decision to Dixon Entrance. A Gale Warning is in effect for Gulf of Alaska East, Kiska to Cape Fairweather, Bering Sea, Aleutian Basin, Norton Sound, Bristol Bay and Dall Point to Wales. A Storm Warning is in effect for Bering Sea North and East, Pribilof Islands, Nunivak Island, the Kuskokwim Delta and Etolin Strait. A Coastal Flood Advisory is in effect for Mekoryuk, Hooper Bay to Port Heiden. A Wind Advisory is in effect for Anvik to Russian Mission, and Tanana Flats South to Delta Junction and Fort Greely.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida and central-southern Texas. Significant river flooding is possible or likely across portions of southern Minnesota and eastern South Dakota.

## Severe Weather

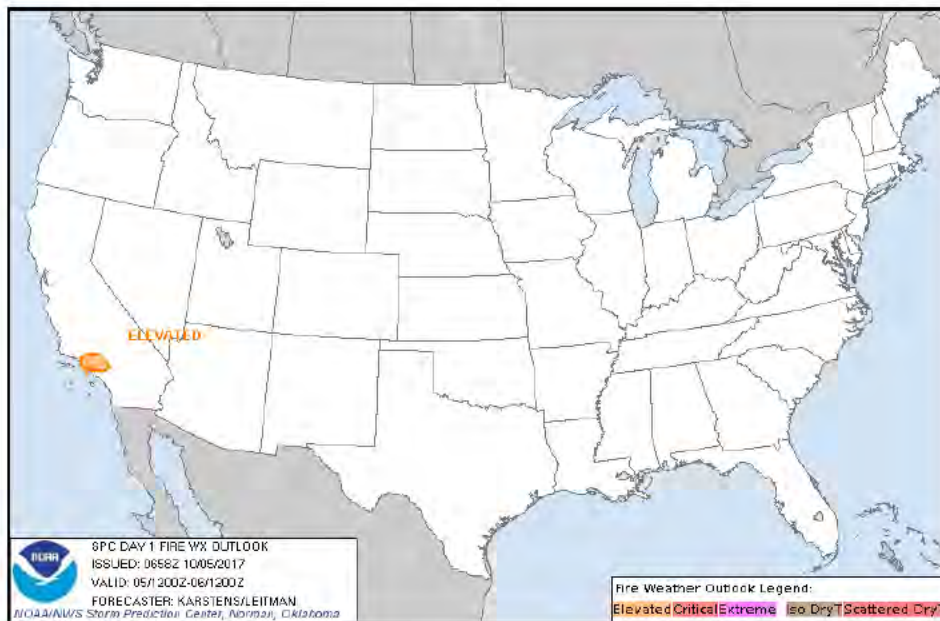


There is a Marginal Risk of severe thunderstorm activity today from central New Mexico northeastward into the Texas and Oklahoma panhandles, southeastern Colorado, and western Kansas.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for a small portion of southwestern California.

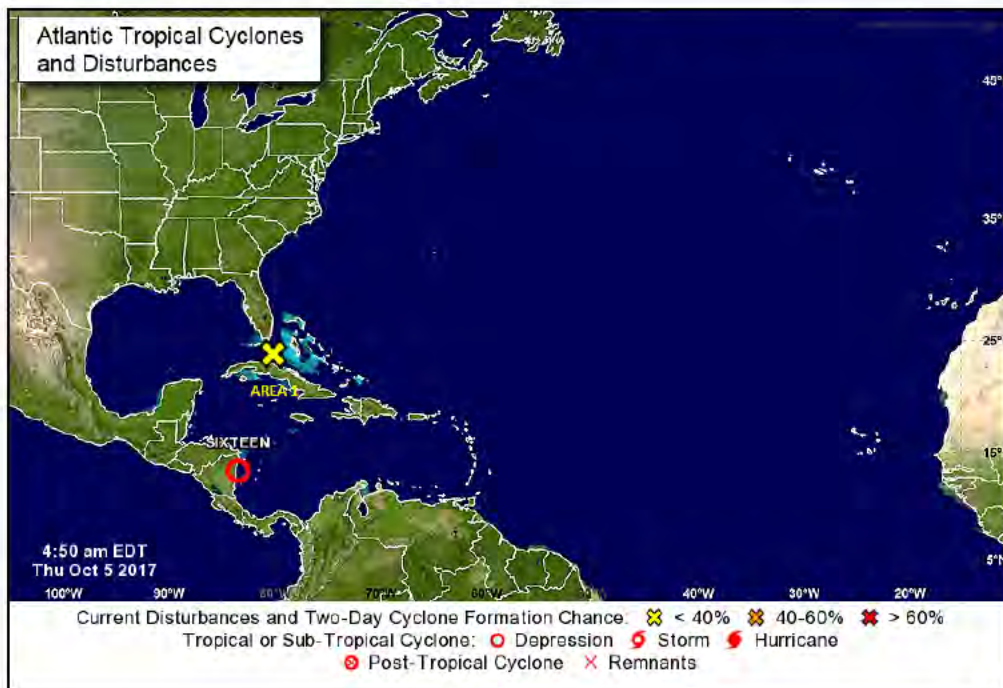
### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 5, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

##### **Area 1**

A sharp surface trough of low pressure interacting with an upper-level low is producing a broad area of disorganized showers and thunderstorms across southern Florida, the northwestern and central Bahamas, central Cuba, and the adjacent Atlantic waters. Upper-level winds are forecast to be unfavorable for tropical cyclone formation while the system moves west-northwestward over the eastern Gulf of Mexico during the next day or two. However, locally heavy rainfall, some coastal flooding, and strong gusty winds, especially in squalls, are likely over portions of the Bahamas and Florida during the next couple of days. This system has a near 0-percent chance of developing into a tropical cyclone over the next 48 hours.

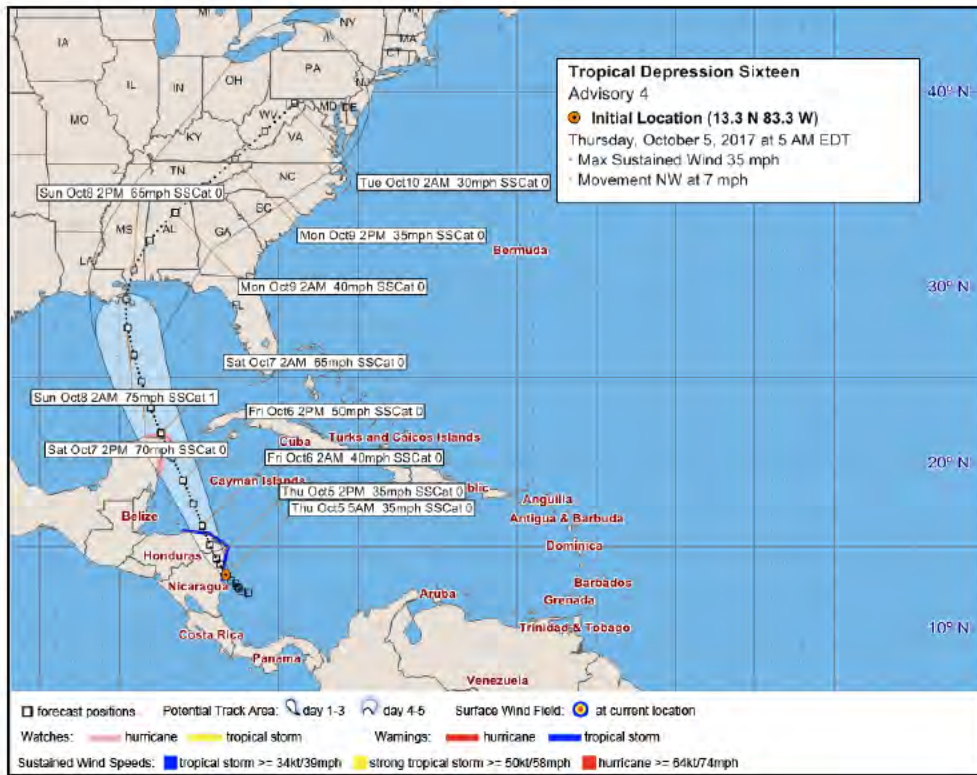


#### **Tropical Depression Sixteen**

At 5:00 a.m. EDT, Tropical Depression Sixteen was located approximately 50 miles south of Puerto Cabezas, Nicaragua, and moving toward the west at 7 miles per hour (mph). A north-north westward motion with an increase in forward speed is expected to continue through Friday night. The depression should cross northeastern Nicaragua and eastern Honduras later today and then over the northwestern Caribbean Sea tonight and Friday. Sixteen is expected to approach the coast of the Yucatan Peninsula tomorrow night. Maximum sustained winds are 35 mph, with higher gusts. The depression is forecast to strengthen to a tropical storm before it

moves inland over northeastern Nicaragua. Additional strengthening is likely and the depression is expected to become a tropical storm later today.

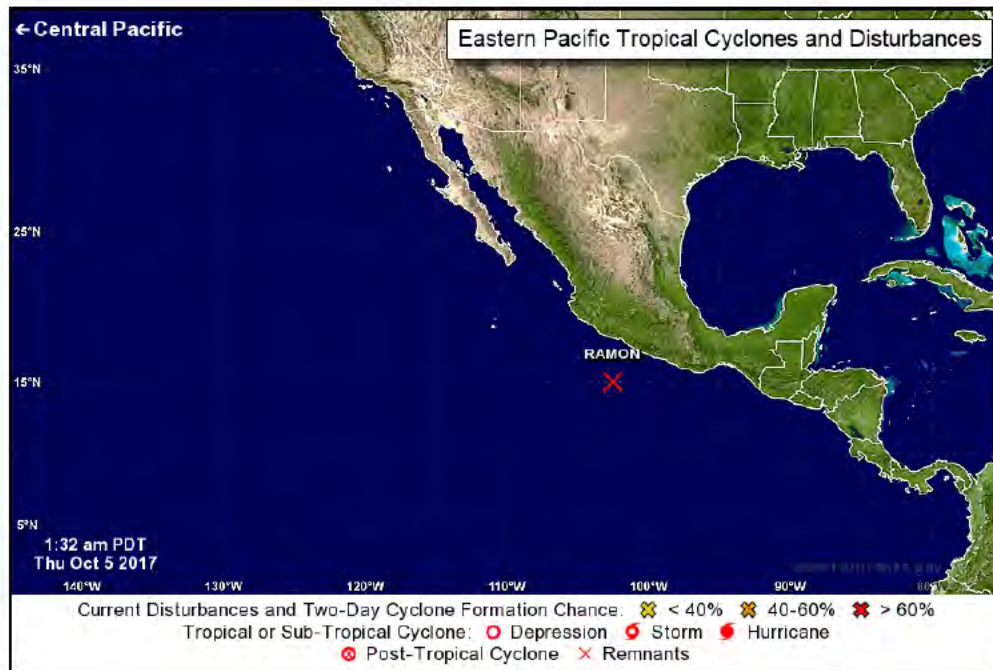
A Tropical Storm warning is in effect for Sandy Bay Sirpi, Nicaragua to Punta Castilla, Honduras. A Hurricane Watch is in effect for Punta Herrero to Rio Lagartas, Mexico. Heavy rainfall will occur over a wide area, including locations well away from the center along the Pacific coast of Central America. This rainfall could cause life-threatening flash floods and mudslides.



HURREVAC Image

## Eastern Pacific Ocean

### Remnants of Ramon



At 5:00 a.m. EDT, the remnants of Ramon was located approximately 215 miles southwest of Acapulco, Mexico, and moving toward the west at 12 mph. Maximum sustained winds have decreased to near 25 mph, with higher gusts. Continued weakening is expected to continue this morning and Ramon should dissipate within the next 24 hours. There are no coastal watches or warnings in effect.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, October 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 6, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) forecasts isolated showers tonight with partly cloudy skies through the weekend for Puerto Rico and the U.S. Virgin Islands. These storms may cause some localized flooding, frequent lightning and gusty, erratic winds. Heat indices across the lower altitudes will exceed 100 degrees Fahrenheit, which could lead to heat related illnesses for more vulnerable populations.

### DOI Response and Recovery Efforts as of Personnel Numbers as of October 5, 2017

There are a total of 172 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 93 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 240 DOI personnel that remain at their home station in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 5, 2017 at 10:00 p.m. EDT															
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	USVI					2									2
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ESF-5 Emergency Management	CONUS	1								3	34				38
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	USVI														0
ESF-15 External Affairs	CONUS										1				1
	PR														0
	USVI														0
DHS Surge Capacity Force	CONUS		2	1	1	1	7		2		2		1	1	18
	PR		2	1			1		1						5
	USVI		1				2								3
NCR RSF	CONUS							4							4
	PR														0
	USVI														0
<b>Totals</b>		18	52	2	1	11	22	5	4	9	39	7	1	1	172

**DOI Support to FEMA Interagency Response and Recovery Efforts**

**ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** All operational team members are present and accounted for. Current operations are focused on Disaster Medical Assistance Teams (DMAT). Yesterday's missions included numerous DMAT protection operations, both static and mobile.

Quick Response Team (QRT)s 1 and 2 team members that demobilized Wednesday arrived safely in Orlando, Florida are in travel status back to their home units. All remaining QRTs will demobilize from Puerto Rico on Monday, October 9. Federal Law Enforcement Officers (FLEOs) will be transported to Orlando via a charter flight and will be responsible for their continuing transportation to their home units. No additional DOI assets will be sent to Puerto Rico for Hurricane Maria response.

**DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Twenty-six employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The OEM is working with FEMA to deploy an additional 5 DOI employees on October 8; with an additional 16 personnel planned for deployment by October 12.

**DOI Support to Small Business Administration (SBA)**

- **OEM:** The SBA is working with 62 DOI employees to place them in certain roles with the SBA to provide support to hurricane victims. These personnel may be deployed as early as next week. DOI is working to identify other resources that can support the SBA mission in the coming weeks.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 5, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	0	0	2	2
<b>St. John</b>	0	0	12	12
<b>St. Thomas</b>	0	0	0	0
<b>Puerto Rico</b>	30	7	42	79
<b>Totals</b>	30	7	56	93

<b>Personnel Stationed and Remaining in Place As of October 5, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	0	0	3	0	17	20
<b>St. John</b>	0	0	0	0	34	34
<b>St. Thomas</b>	0	0	0	0	0	0
<b>Puerto Rico</b>	1	1	58	30	96	186
<b>Totals</b>	1	1	61	30	147	240



## **DOI Bureau and Office Reporting:**

### **National Park Service - Maria and Irma Update**

*Source: National Park Service (NPS) – October 5, 2017*

All NPS Caribbean Parks remain closed and all employees are accounted for. NPS Park Units in the Caribbean continue to address logistical and communication challenges and continue stabilization efforts after Maria. Parks impacted by Irma are beginning to establish final stabilization measures.

The following park updates have been provided by the NPS:

#### **Caribbean Parks**

- Christiansted National Historic Site (CHRI)/St. Croix: A request for Critical Incident Stress Management (CISM) Team and electricians have been submitted for Christiansted. Two Law Enforcement Officers (LEOs) from the Pacific West Region (PWR) Special Event Team (SET) from St. John will report to St. Croix to support security needs there. NPS personnel met to coordinate plans to secure museum collections which are located at St. Croix and St. John.

NPS participated in a coordination call with other Type-2 Incident Management Teams (IMT) to facilitate rotating the current Caribbean IMT on or about October 14. This team will be composed of assets primarily from the NPS PWR IMT and augmented by other teams.

- Virgin Islands National Park (VIIS): All three ferry vessels are now up and operational at St. John in Cruz Bay and available for shuttle services and moving supplies. Today, several assessments and details were explored for putting a floating hotel barge at Cruz Bay at the NPS dock to support NPS workers at St. John as well as FEMA and other stabilization crews from the federal government. The IMT has requested an NPS Arrowheads Hotshot crew to deploy to support debris clearance at St. John. The team will fly to St. Croix and then ferry to St. John.
- San Juan National Historic Site (SAJU): Cleanup activities around the fort continue. The majority of the Emergency Incident Management Team (EIMT) was colocated with the FEMA interagency command post located at the Convention Center due to a generator failure at the San Juan site. The *Motor Vessel (M/V) Fort Jefferson* was back in port after delivering personnel and their property back to San Juan. This vessel will likely remain in Puerto Rico and the Caribbean for the next few weeks as missions continue to develop for stabilization of NPS park units. The CISM Team continues to provide assistance to staff and families as needed. A full transition has been made to restore network connectivity at San Juan using the connection from the USGS building.

## Continental U.S. Parks

- *Big Cypress National Preserve (BICY)*: The preserve remains closed, and access remains limited to land owners only. Employees have returned to work in preparation for a partial reopening of the park as soon as possible. Currently, high waters inside facilities are complicating stabilization operations, visitor access, and reopening plans. Saw operations and debris removal continues.
- *Everglades National Park (EVER)*: The park is partially open, and the Homestead visitor entrance is currently open to Paurotis Pond. Construction and Saw crews continue cleanup and debris removal around the housing units, the campgrounds, and the boat ramps in the Flamingo area. Sandbagging has been authorized in the Shark Valley area to combat the rise in water levels. Boat operators continue the process of marking underwater debris, hazards to navigation, and displaced vessels in the Gulf Coast and Key Largo areas. A crane is being utilized to insert a membrane filter at the wastewater treatment plant.
- *Cumberland Island National Seashore (CUIS)*: The park museum is open, but the remainder of the park is closed. Arborist and saw crews continue to work to clear the main road. Repair work continues at the Visitor Center and mainland docks.
- *Fort Pulaski National Monument (FOPU)*: The park is now partially open. The Visitor Center and Museum have reopened, but all other facilities in the park will remain closed until repairs of the water system have been completed. The installation of the water tank was completed yesterday.

## U.S. Fish and Wildlife Service - Maria and Irma Update

Source: U.S. Fish and Wildlife Service (USFWS) – October 5, 2017

Cleanup efforts continue at USFWS Caribbean Stations as employees work to stabilize employee residences and provide support to the community. The USFWS Team continues to provide support and recovery efforts to personnel in Puerto Rico and the U.S. Virgin Islands. While communication challenges still exist, the team will continue to conduct welfare checks and distribute necessities to employees and family members, conduct damage assessments to USFWS facilities, provide security to infrastructure, and aviation support to various Emergency Support Functions.

## USFWS Caribbean Stations

- *Sandy Point National Wildlife Refuge*: The Refuge experienced some vandalism and efforts have been made to maintain the security of USFWS assets.

To date, the USFWS has provided over 450 employees to mobilize and deploy to the various Emergency Support Functions as part of the Federal Response and Service needs since the beginning of the hurricane season and during the height of the fire season.

## **United States Geological Survey - Maria and Irma Update**

*Source: U.S. Geological Survey – October 5, 2017*

The USGS reports that there are 37 personnel on Puerto Rico, and all the personnel are currently accounted for. The USGS has two people in the field retrieving surge sensors, and 13 personnel performing gage damage assessments and repairs. There is one person performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico. USGS is coordinating with USACE and the NWS for prioritizing gages for assessment and repair. The USGS has a coordinated information and data website at: <https://www.usgs.gov/maria>.

The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. A total of 70 surface water, groundwater, and precipitation gages have been knocked offline; however, 28 gages have been repaired. Nine of the gages have been totally destroyed and at least nine gages will require a secondary visit to assess the scope of repairs needed. Twenty-two gages have yet to be visited due to access and resource limitations.

There are 23 USGS personnel performing high water mark flagging, surveying, and data analysis in Florida. USGS also has a coordinated information and data website at: <https://www.usgs.gov/irma>.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center – October 6, 2017*

The following update for Puerto Rico, the U.S. Virgin Islands, and the continental U.S. has been provided by the DHS National Operations Center as of October 6 at 5:00 a.m. EDT:

- *Puerto Rico:* Thirty-three of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants are working on generator power, and 18 are non-operational at this time. The U.S. Environmental Protection Agency (EPA) has assessed 560 of 800 pump stations and determined that approximately 250 are overflowing sewage caused by a lack of power or pumping problems. The island-wide Boil Water Advisory remains in effect. Sixty-five of 67 hospitals are reportedly open, and one hospital is closed. Electrical power has been restored to 16 hospitals, with an additional 49 operating on generator power. More than 837 of the 1,100 retail gas stations are operational.

Stabilization efforts continue for the Guajataca Dam spillway, and evacuations remain in effect. The San Juan International and the Aguadilla Airports have both been reopened. The Defense Logistics Agency (DLA) has coordinated a delivery of 10 million liters of water on a barge from the Dominican Republic to Puerto Rico. The first of the deliveries are expected today.

- *U.S. Virgin Islands:* Potable water supplies in St. Thomas and St. John are now down to a four day supply, while St. Croix is down to three days. The territory-wide Boil Water Advisory remains in effect. Roadways are 95-percent passable and there are no full closures on any major roadways on St. Thomas and St. John. Most highways are open on St. Croix. All traffic signals on St Thomas and St Croix are completely destroyed.
- *Continental U.S. Locations:* More than 31,000 households in Texas and Florida remain in temporary housing. Gulf Coast states have begun monitoring the path of Tropical Storm Nate.

## ***Tropical Storm Nate - Caribbean Sea***

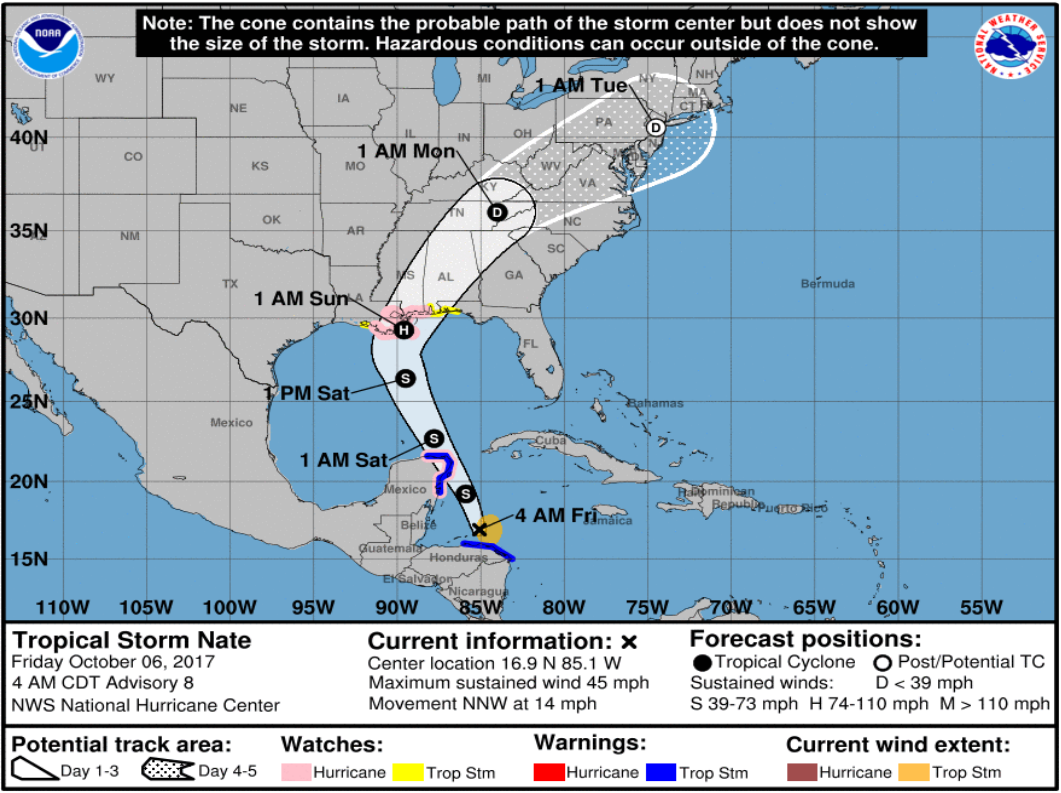
### **General Situation**

*Source: National Weather Service/National Hurricane Center – October 6, 2017*

At 5:00 a.m. EDT, Tropical Storm Nate was located approximately 275 miles south-southeast of Cozumel, Mexico, and moving toward the northwest at 14 miles per hour (mph). This general motion, with an increase in forward speed, is expected during the next day or two. The storm will move across the northwestern Caribbean Sea today, and reach the eastern coast of the Yucatan peninsula later tonight. Nate will then move into the southern Gulf of Mexico and approach the northern Gulf Coast Saturday evening. Maximum sustained winds are 45 mph, with higher gusts. Strengthening is forecast during the next 48 hours, and Nate is expected to become a hurricane by the time it reaches the central Gulf of Mexico.

A Hurricane Watch is in effect from Morgan City, Louisiana to the Mississippi/Alabama border, Metropolitan New Orleans, and for Lake Pontchartrain and Lake Maurepas, Louisiana. A Tropical Storm Watch is in effect from the Mississippi and Alabama border to the Okaloosa, Florida/Walton County Line, and west of Morgan City to Intracoastal City, Louisiana. A Storm Surge Watch is in effect from Morgan City, Louisiana to the Alabama and Florida border, and the northern and western shores of Lake Pontchartrain, Louisiana.

Nate is expected to produce from 3 to 6 inches of rain, with a maximum of up to 12 inches, in the U.S. Central Gulf Coast States.



**DOI Bureau Reports**

**BSEE Preparations for Tropical Storm Nate**

*Source: Bureau of Safety and Environmental Enforcement Press Release – October 5, 2017*

Offshore oil and gas operators in the Gulf of Mexico are evacuating platforms and rigs in preparation for Tropical Storm Nate. The Bureau of Safety and Environmental Enforcement (BSEE) Hurricane Response Team is activated and monitoring the operator's' activities. The team will continue to work with offshore operators and other state and federal agencies until operations return to normal and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

Based on data from offshore operator reports submitted as of October 5, personnel have been evacuated from a total of 6 production platforms, 0.81 percent of the 737 manned platforms in the Gulf of Mexico. Production platforms are the structures located offshore from which oil and natural gas are produced. Unlike drilling rigs, which typically move from location to location, production facilities remain in the same location throughout a project's duration.

Personnel have been evacuated from no rigs (non-dynamically positioned (DP) rigs), equivalent to 0 percent of the 20 rigs of this type currently operating in the Gulf. Rigs can include several types of offshore drilling facilities including jackup rigs, platform rigs, all submersibles and moored semisubmersibles.

One DP rig has moved off location out of the storm's path as a precaution. This number represents 5.56 percent of the 18 DP rigs currently operating in the Gulf. DP rigs maintain their location while conducting well operations by using thrusters and propellers, the rigs are not moored to the seafloor; therefore, they can move off location in a relatively short time-frame. Personnel remain on-board and return to the location once the storm has passed.

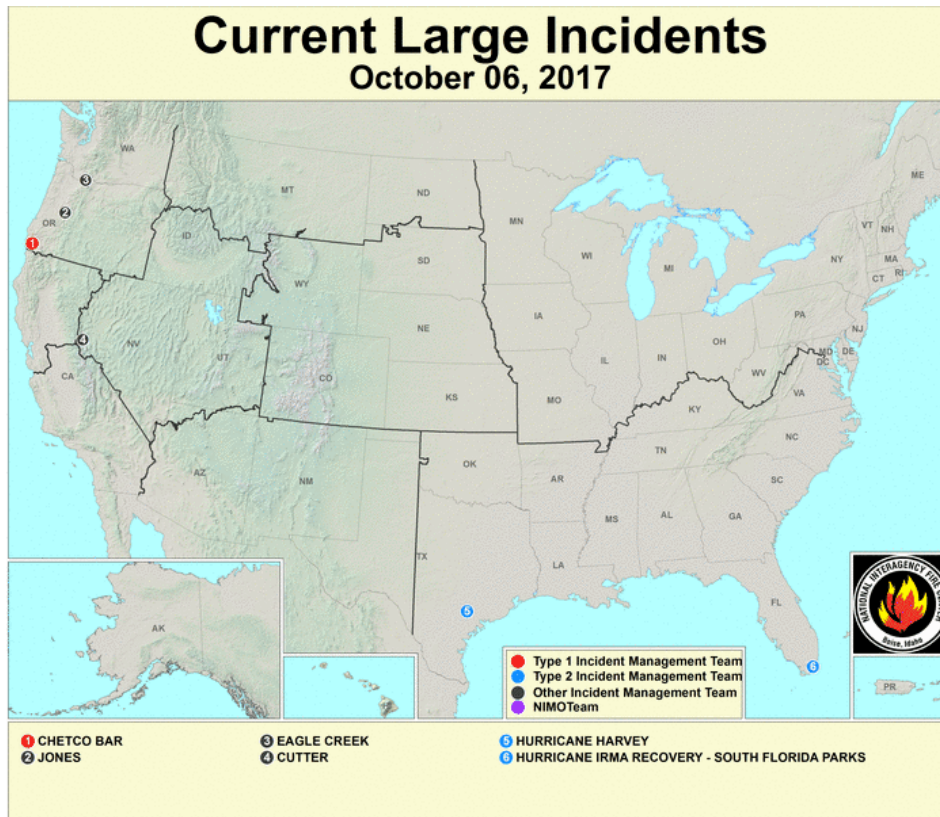
As part of the evacuation process, personnel activate the applicable shut-in procedure, which can frequently be accomplished from a remote location. This involves closing the subsurface safety valves located below the surface of the ocean floor to prevent the release of oil or gas. During previous hurricane seasons, the shut-in valves functioned 100 percent of the time, efficiently shutting in production from wells on the Outer Continental Shelf and protecting the marine and coastal environments. Shutting-in oil and gas production is a standard procedure conducted by industry for safety and environmental reasons.

From operator reports, it is estimated that approximately 14.55 percent of the current oil production in the Gulf of Mexico has been shut-in, which equates to 254,607 barrels of oil per day. It is also estimated that approximately 6.42 percent of the natural gas production, or 206.71 million cubic feet per day in the Gulf of Mexico has been shut-in. The production percentages are calculated using information submitted by offshore operators in daily reports. Shut-in production information included in these reports is based on the amount of oil and gas the operator expected to produce that day. The shut-in production figures therefore are estimates, which BSEE compares to historical production reports to ensure the estimates follow a logical pattern.

After the storm has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back online immediately. Facilities sustaining damage may take longer to bring back online. BSEE will continue to update the evacuation and shut-in statistics at 2:00 p.m. EDT each day as appropriate.

## Wildland Fire Activity

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 6, 2017

#### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (55 new fires)
New large fires:	0
Large fires contained:	0
Uncontained large fires: **	4
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	5

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but it is unclear whether lava effusion continues or has paused. Satellite observations have been obscured by clouds, and no activity was observed in web camera views, seismic data, and infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Activity continues at the summit of the Kilauea Volcano and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. Web camera images suggest that the ocean entry plume at Kamokuna have diminished in strength during this reporting period. Surface flow activity persists on the upper portion of the flow field and on the pali, with minor breakouts scattered in other areas of the coastal plain. These lava flows pose no threat to nearby communities at this time.

## **Earthquake Activity**

*Source: U.S. Geological Survey – October 6, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.0 earthquake occurred this morning at 3:59 a.m. EDT, at a depth of 6.2 miles, approximately 158 miles east-southeast of Ishinomaki, Japan. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was no tsunami watch or warning issued as a result of this event.

## **Significant National Weather**

*Source: National Weather Service - October 6, 2017*

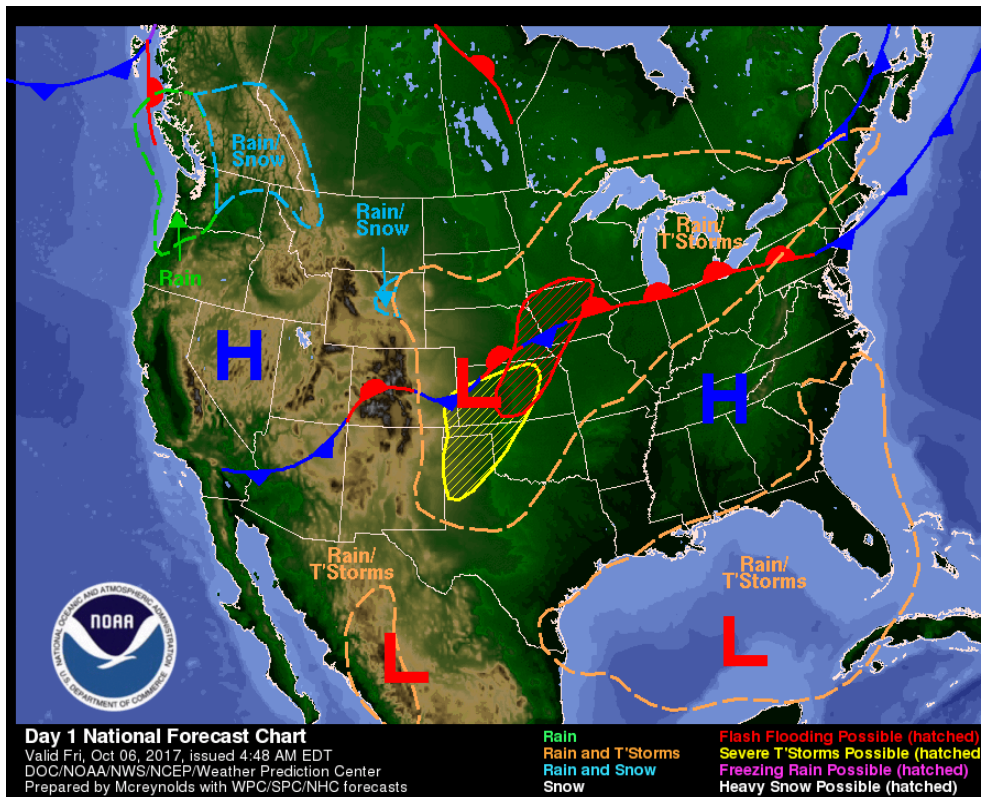
### **Today**

Very large hail and damaging winds are the primary threats from this severe weather and a few tornadoes are possible as well. Heavy rain from this system will bring the possibility of Flash Flooding to eastern Kansas, eastern Nebraska, and the western two-thirds of Iowa. The front associated with this low pressure will bring the chance of rain and thunderstorms to the Great Lakes and interior sections of the Northeast. The weather remains unsettled in the Gulf of Mexico and off the Southeast coast. These unsettled conditions will bring the chance of rain and thunderstorms to the Gulf Coast, the Southeast Coast, and Florida. A storm system in the Pacific will approach the Pacific Northwest coast and bring the chance of rain and high elevation snow to Washington, Oregon, and northern Idaho.

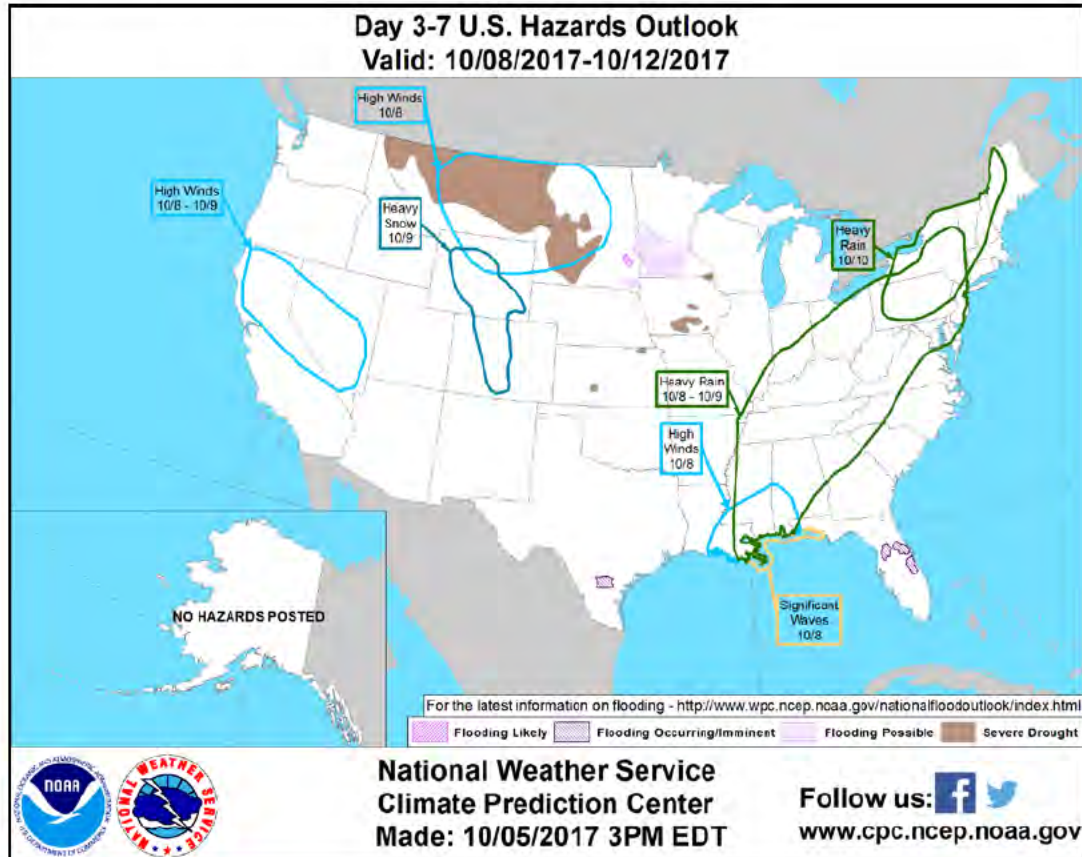


## Tomorrow

A low pressure system will spread the chance of rain and thunderstorms to much of eastern half of the U.S. with exception of the coastal sections of the Mid-Atlantic and Northeast. The outer bands of rain and thunderstorms associated with Tropical Storm or Hurricane Nate will lead to possible Flash Flooding along the Gulf Coast from New Orleans, Louisiana eastward to Pensacola, Florida. A storm system over central Canada will bring the chance of rain and high elevation snow to the Pacific Northwest and the intermountain West. High pressure will bring dry weather to the remainder of the West.

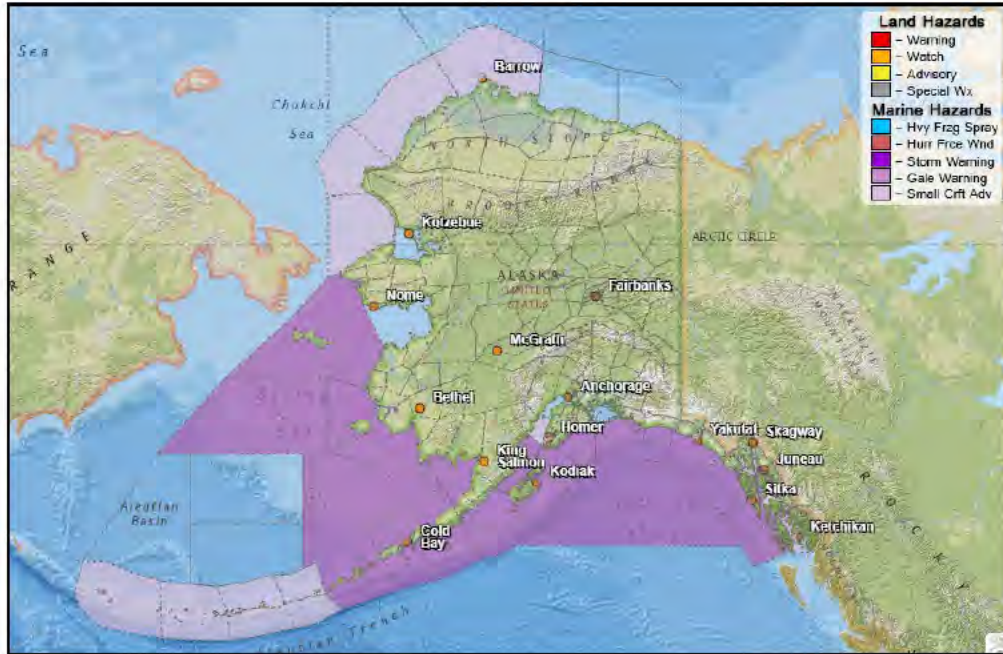


## Weather Hazard Assessment



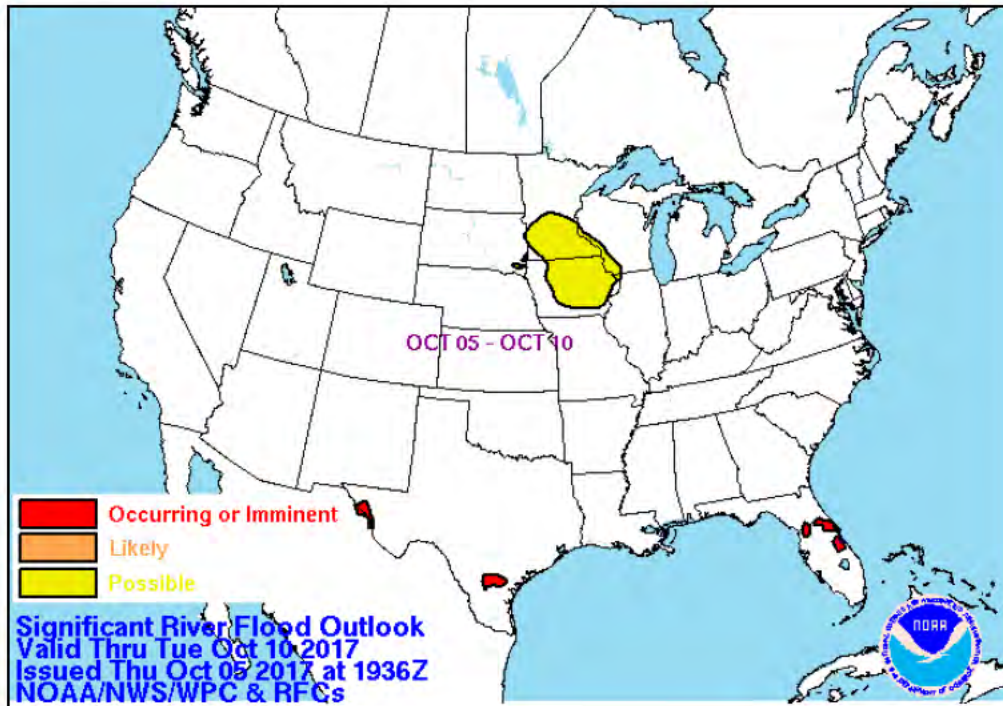
- October 8: High winds across portions of the the northern Plains and the northern Rockies.
- October 8: High winds across portions of the Southeast and the lower Mississippi Valley.
- October 8: High significant wave heights for coastal portions of the Gulf Coast.
- October 8-9: High winds across portions of the central Great Basin and California.
- October 8-9: Heavy rain from the Gulf Coast to the Ohio Valley and mid-Atlantic.
- October 10: Heavy rain across portions of the mid-Atlantic and the Northeast.
- October 14: Slight risk of much below normal temperatures for portions of California and the Pacific Northwest.

## Alaska Weather



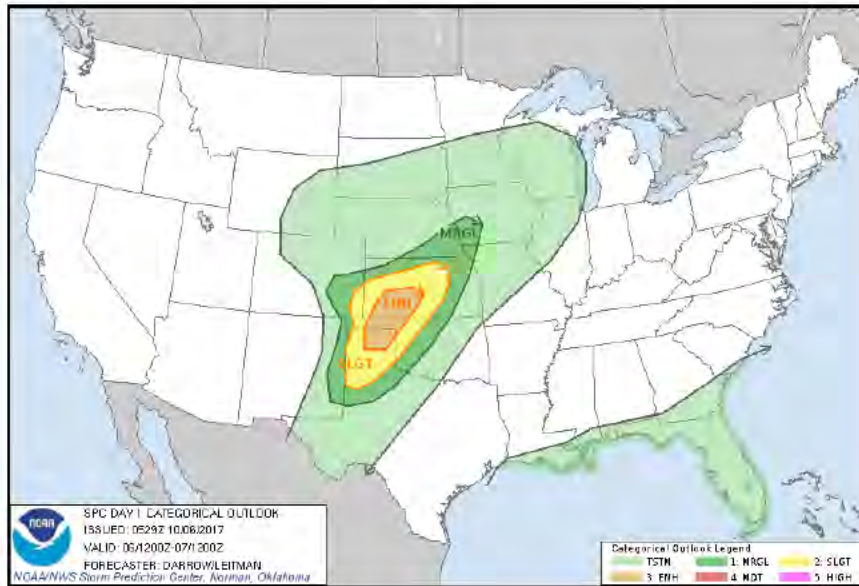
A Small Craft Advisory is in effect for the western and central Aleutian Islands, Cook Inlet, and from Wales to Cape Halkett. A Gale Warning is in effect for Gulf of Alaska, Bering Sea, Norton Sound to Nunivak Island, Segum to Cape Decision, and Bristol Bay.

## Significant River Flooding



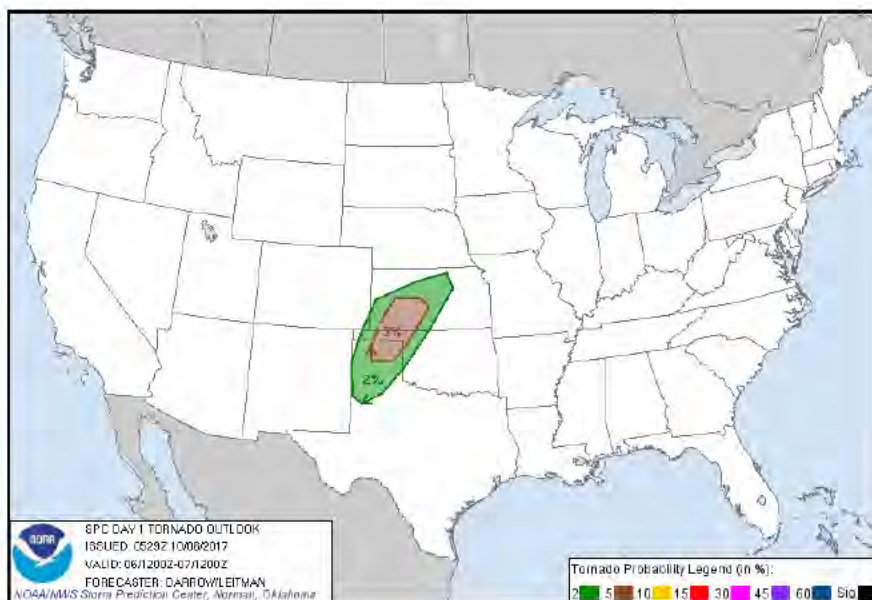
Significant river flooding is occurring or imminent across portions of central Florida, and western and southern Texas. Significant river flooding is possible or likely across portions of southern Minnesota, northern Iowa, western Wisconsin, and eastern South Dakota.

### Severe Weather



There is an Enhanced Risk of severe thunderstorm activity today from southwestern Kansas into the Texas Panhandle. There is a Slight Risk of severe thunderstorms from north-central Kansas to the southern plains of Texas. There is a Marginal Risk of severe thunderstorms surrounding the slight risk from central northwestern Texas to southwestern Iowa.

### Tornado Weather



There is a 5-percent chance of tornado activity today from southwestern Kansas into the Texas Panhandle. There is a 2-percent chance of tornado activity from north-central Kansas to the southern plains of Texas.

## Fire Weather



There is Critical Fire Weather forecast for today for a small portion of southwestern California, surrounded by a larger area of Elevated Fire Weather.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 6, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

#### Tropical Storm Nate

Tropical Storm Nate is summarized earlier in this report.

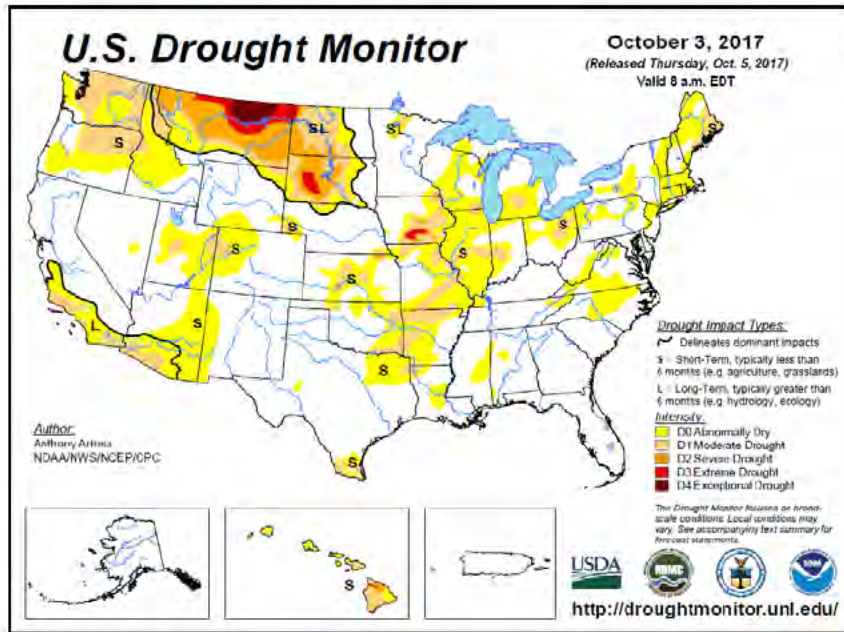
#### Eastern Pacific Ocean

There is no tropical cyclone activity expected during the next 48 hours.

## Other News and Notes

### Drought Monitor

Source: United States Drought Monitor – October 5, 2017



A cold front approached the Eastern Seaboard early in the drought week, which drove Tropical Storm Maria farther away from the mid-Atlantic coast, keeping substantial impacts to a minimum. About the same time, the western edge of this cold front moved through southern Texas and New Mexico, bringing significant upslope precipitation 0.5-3.0 inches, and locally greater to the southern Great Plains and adjacent Rockies. Another cold front then moved southeastward out of central Canada, accompanied by primarily light precipitation which amounted to 0.75-inch or less to the Great Lakes region and Northeast. Towards the end of the drought week, yet another cold front progressed eastward across the Rockies, and the northern halves of the Great Plains and Mississippi Valley, bringing 1-2 inches of rain to much of the region.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, October 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Tropical Weather Response and Recovery**

### **General Situation**

*Source: National Weather Service – October 11, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) forecasts deep tropical moisture will continue to overspread Puerto Rico and the U.S. Virgin Islands through tonight. Numerous showers and thunderstorms capable of heavy rainfall, cloud to ground lightning, and flash flooding can be expected which may impact response and recovery operations via washed out or collapsed road sections or visibility hampering aviation assets.

A Flash Flood Watch has been issued for portions of Puerto Rico and the U.S. Virgin Islands through tonight. Recent torrential rainfall has prompted area flood advisories and warnings for portions of U.S. Virgin Islands and northern Puerto Rico. Rainfall amounts of 2 to 5 inches with locally higher amounts will be possible, especially over the northern and eastern sections of the island. Soil that is already saturated and loose, and many rivers and small streams are running at above normal levels. Therefore, there is a high risk of river and small stream flooding, mudslides, and rock falls.

**DOI Response and Recovery Efforts as of Personnel Numbers as of October 10, 2017**

There are a total of 125 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 76 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 241 DOI personnel that remain at their home station in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts													
As of October 10, 2017 at 10:00 p.m. EDT													
Function	Location	BIA	BLM	BOEM	BSEE	FWS	NPS	OEPC	OIG	OS	USGS	ONRR	Total
ESF-1 Transportation	CONUS												0
	PR					1							1
	USVI					1							1
ESF-4 Firefighting	CONUS		1										1
	PR	3	13			6	8						30
	USVI		7				1						8
ESF-5 Emergency Management	CONUS	1								2	19		22
	PR										6		6
	USVI												0
ESF-8 Public Health & Medical Services	CONUS						2						2
	PR												0
	USVI												0
ESF-10 Oil & Hazardous Materials	CONUS							1					1
	PR												0
	USVI												0
ESF-11 Agriculture & Natural Resources	CONUS							1					1
	PR												0
	USVI												0
ESF-13 Public Safety & Security	CONUS												0
	PR	4	11				1		1				17
	USVI												0
DHS Surge Capacity Force	CONUS		1	2		4	8					2	17
	PR		2	1			1		3				7
	USVI		1		1		3				2		7
NCR RSF	CONUS							4					4
	PR												0
	USVI												0
<b>Totals</b>		<b>8</b>	<b>36</b>	<b>3</b>	<b>1</b>	<b>12</b>	<b>24</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>27</b>	<b>2</b>	<b>125</b>



## **DOI Support to FEMA Interagency Response and Recovery Efforts**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- **ESF #5 – United States Geological Survey (USGS):** Six personnel were in the field yesterday in Puerto Rico retrieving sensors and flagging high water marks (HWM). Two additional USGS staff members were completing data analysis in Florida, and one team member is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico. One additional USGS team member is helping to operationalize crowdsourcing at FEMA for Hurricane Maria.

### **Emergency Support Function (ESF) #13 (Public Safety and Security)**

- **ESF #13 – Office of Law Enforcement and Security (OLES):** All operational team members are present and accounted for. The remaining team members have been regrouped as DOI Maria QRT 3 and are operating under one DOI team leader. Current missions are centered around force protection for Disaster Medical Assistance Teams (DMATs). This team is expected to demobilize this weekend.

DOI Maria QRT 4 team leader was re-assigned to ESF-13 management in the FEMA Joint Field Office to assist in vetting new missions.

### **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-one employees from DOI Bureaus and Offices are currently supporting the Federal Emergency Management Agency (FEMA) Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, Georgia, and Alabama. The OEM is working with FEMA to deploy an additional 13 DOI employees on October 14.

### **DOI Support to Small Business Administration (SBA)**

- **OEM:** DOI is working to identify other resources that can support the SBA mission in the coming weeks.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts</b>				
<b>As of October 10, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	0	0	2	2
<b>St. John</b>	0	0	12	12
<b>St. Thomas</b>	0	0	0	0
<b>Puerto Rico</b>	13	7	42	62
<b>Totals</b>	13	7	56	76

Personnel Stationed and Remaining in Place As of October 10, 2017 at 10:00 p.m. EDT						
B/O	BSEE	OS	USFWS	USGS	NPS	Totals
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	30	96	186
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>61</b>	<b>30</b>	<b>147</b>	<b>241</b>

### Department of Homeland Security (DHS) Situational Update

*Source: DHS National Operations Center - October 11, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 11 at 5:00 a.m. EDT:

- Puerto Rico:* Approximately 16-percent of the population had power prior to a generator failed in San Juan. FEMA and the local utility are working to determine the cause, impact, and restoration timeline. With approximately 18.9-percent of the cell towers operational, and 11 mobile cellular assets employed, 64-percent of the population lives in areas where wireless coverage is available for voice and text messaging. Of the 51 PR Aqueduct and Sewer Authority wastewater treatment plants, 20 are non-operational. An island-wide Boil Water Advisory remains in effect. Sixty-five of 67 hospitals are open. The USNS Comfort will provide medical services today near Aguadilla, and road clearance operations are still in progress with the assistance of the U.S. Marine Corps and the Army National Guard. The Guajataca Dam spillway has concrete barriers along the comprised portions, which was completed by the 26th Marine Expeditionary Unit and 56 super sandbags were placed there on October 10. Evacuations still remain in effect.
- U.S. Virgin Islands:* Grid power is available to 14.4-percent of the population on St. Thomas, 12-percent on St. Croix, and zero-percent on St. John. The necessary restoration supplies are enroute or on hand, and it is projected that 90-percent restoration will be achieved late December. There are 53 generators installed, 52 available, and 51 en route. Three mobile cellular assets are augmenting the 39.7-percent of functioning cell sites to provide coverage. Community outreach is being coordinated by deployed HHS medical units, and DOD personnel are supporting the medical center on St. Thomas. An interim medical facility is expected on St. Croix by October 13. A territory-wide Boil Water Advisory remains in effect.

## **DOI Bureau and Office Reporting:**

### **United States Geological Survey - Maria and Irma Update**

*Source: U.S. Geological Survey (USGS)– October 10, 2017*

The USGS reports that there are 37 personnel on Puerto Rico, and all personnel are accounted for. The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. Yesterday, 22 personnel were performing gage damage assessments and repairs. The USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the National Weather Service (NWS) to prioritize gages for assessment and repair as resources allow. A total of 70 surface water, groundwater, and precipitation gages have been knocked offline; however, 40 gages have been repaired. Nine of the gages have been totally destroyed and at least nine gages will require a secondary visit to assess the scope of repairs needed. Four Rapid Deployment Gages (RDGs) are being deployed to supplement streamgaging networks.

### **Fish & Wildlife Service - Maria and Irma Update**

*Source: U.S. Fish & Wildlife Service (USFWS) - October 10, 2017*

As of October 10, the FWS reported thirteen deployed FWS employees working on response and recovery that are not on FEMA missions assignments (MA). The FWS has a two person team conducting assessments on the conditions of facilities in Puerto Rico and U.S. Virgin Islands. Assessments have been completed on the Puerto Rico Parrot Aviaries facilities, and will begin Wednesday at the Vieques National Wildlife Refuge.

The Incident Management Team (IMT) is coordinating and utilizing a Broadband Global Area Network (BGAN) Satellite system in Vieques and other remote areas.

Cabo Rojo NWR: The Refuges maintenance facility has served as a point of distribution for FWS supplies. Refuge management, staff and IMT crews have provided assistance to the local community for stabilization and recovery in the area, including significant efforts to clean and remove debris from a local school. Communications and electrical power have been an ongoing issue. The FWS has been able to transport generators to the area, and cellular communication is slowly improving with efforts to restore service.

Culebra, NWR: Debris removal and cleanup continue. Thorough assessments of facilities damage should be completed this week by the IMT. Generators are being mobilized by FWS to the area and employee and family welfare checks are ongoing. Communication via cell phone is good in this area.

Vieques, NWR: Work continues utilizing crews to remove debris and open road access. A BGAN Satellite system is being mobilized to the area to improve cellular communication and internet connectivity.

Sandy Point NWR: Considerable damage to roads and employee housing remains a priority for the IMT this week. Plans are underway to mobilize hand crews to accomplish needed repairs.

The IMT provided an electrician to inspect all facilities for safety issues. All equipment is now in acceptable working condition.

*Puerto Rican Parrot Program:* Medical supplies and generators have been received for the parrots now housed at the aviary. Crews completed debris removal and clearing of a two mile access route into the aviary for motor vehicle travel.

### **Harvey Recovery and Response Efforts**

#### **DOI Support to FEMA Interagency Response and Recovery Efforts**

##### **ESF #5 (Information and Planning)**

- *ESF #5 - U.S. Geological Survey (USGS):* In Texas, five USGS personnel performed High Water Mark (HWM) flagging, surveying, and conducted data analysis Monday under MA-4332DR-TX-USGS-01. The USGS also has a coordinated information and data website at: <https://www.usgs.gov/harvey>.

### **Nate Recovery and Response Efforts**

#### **DOI Support to FEMA Interagency Response and Recovery Efforts**

##### **ESF #5 (Information and Planning)**

- *ESF #5 - U.S. Geological Survey (USGS):* In the Caribbean-Florida Water Science Center (CFWSC), 10 USGS personnel performed High Water Mark (HWM) flagging, surveying, and retrieved Storm Surge Sensors (SSS) Monday under MA FL-17100401-USGS-01. In the Lower Mississippi-Gulf Water Science Center (LMGWSC), 24 SSS and three RDGs were deployed under MA AL-17100401-USGS-01 and MA MS-17100401-USGS-01. There were also 28 SSS deployed under MA LA-17100401-USGS-01. The USGS also has a coordinated information and data website at: [www.usgs.gov/nate](http://www.usgs.gov/nate).

### **Wildland Fire Activity**

#### **Wildfires - Northern California**

*Source: Department of Homeland Security - October 11, 2017*

Twelve fires are burning across northern California, threatening homes and requiring evacuations throughout the region. The fires have burned over 110,000 acres, caused 13 fatalities and destroyed over 1,000 homes. 15 shelters are open with 2,015 occupants and 25,000 customers are without power in the region. The National Weather Service (NWS) issued Red Flag Warnings for Northern California effective until 8:00 p.m. EDT, October 12. The Interior Operations Center will continue to monitor the event.

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 11, 2017

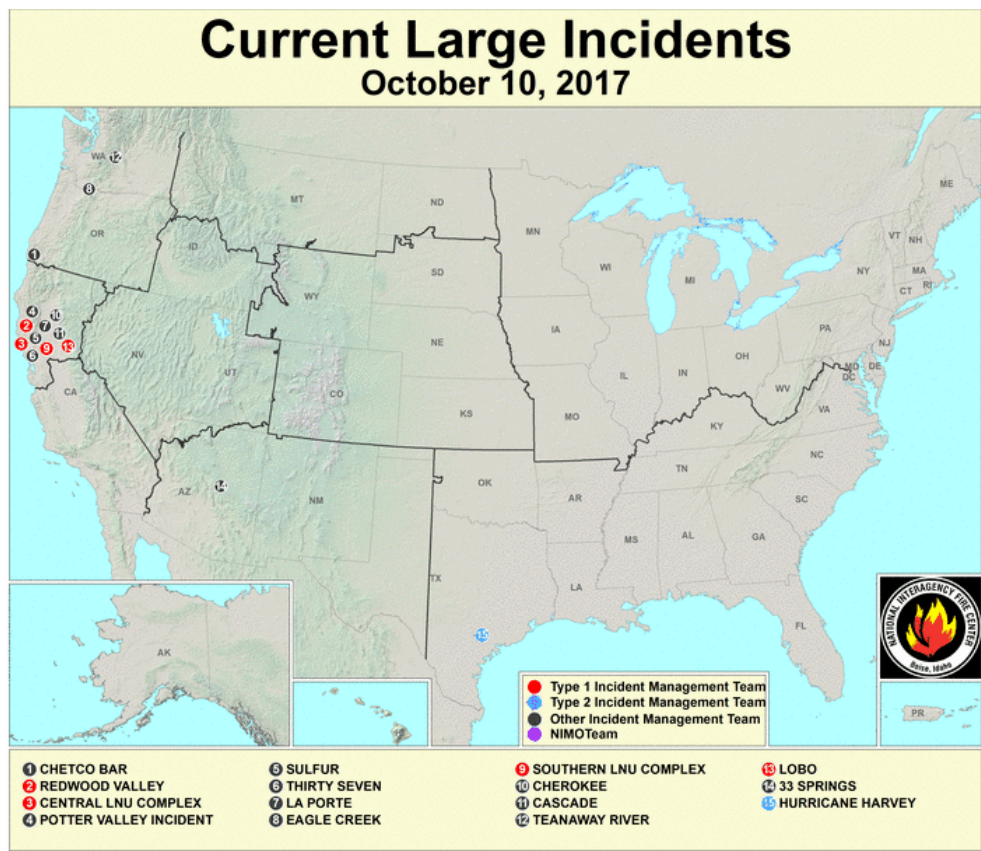
## National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (103 new fires)
New large fires:	3
Large fires contained:	2
Uncontained large fires: **	17
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. Elevated surface temperatures were observed at the summit of the volcano in satellite imagery. No significant activity was observed in partly cloudy web camera views, seismic data, and no explosive activity was detected in infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 10, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Activity continues at the summit of the Kilauea Volcano and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. Web camera images show minor fluctuations in the depth to the lava lake surface during this reporting period. Surface flow activity persists on the upper portion of the flow field and on the pali, with minor breakouts scattered in other areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Seismicity continues at low rates, with fluctuations in tremor amplitudes related to lava lake spattering.

## **Earthquake Activity**

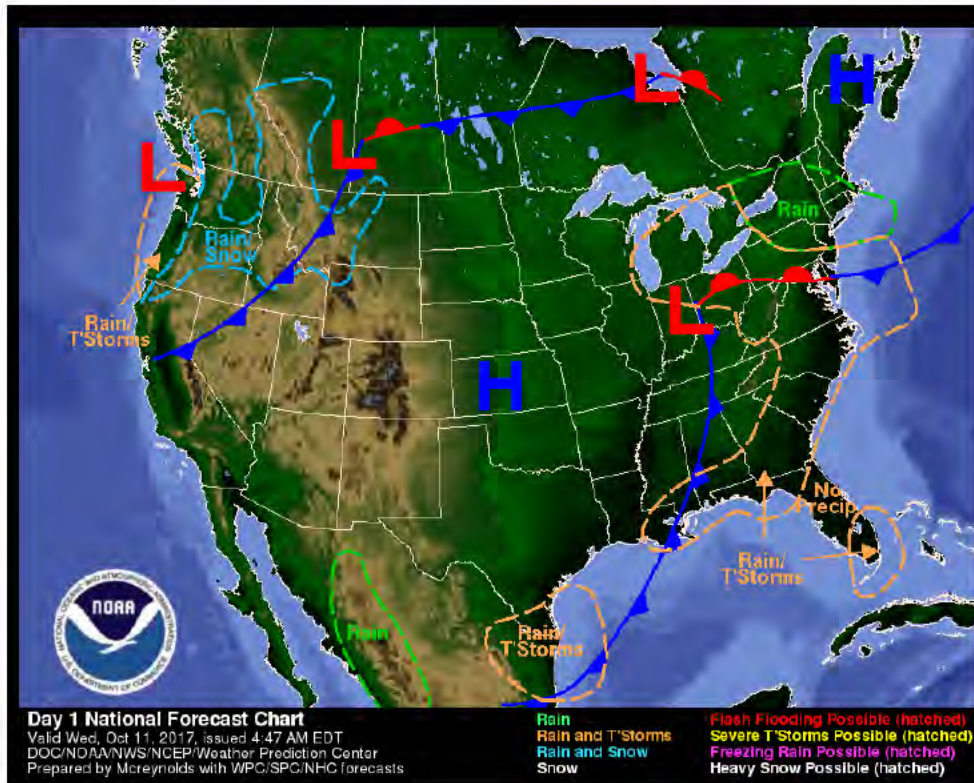
*Source: U.S. Geological Survey – October 10, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.7 earthquake occurred yesterday afternoon at 4:54 p.m. EDT, at a depth of 6 miles, approximately 211 miles east of Bouvet Island, in the South Atlantic Ocean. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was no tsunami watch or warning issued as a result of this event.

The United States Geological Survey (USGS) reported that a magnitude 4.5 earthquake occurred this morning at 5:26 a.m. EDT, at a depth of 6 miles, approximately 151 miles west of Neah Bay, WA. There is no PAGER or tsunami watch or warning issued as a result of this event.

## Significant National Weather

Source: National Weather Service - October 11, 2017



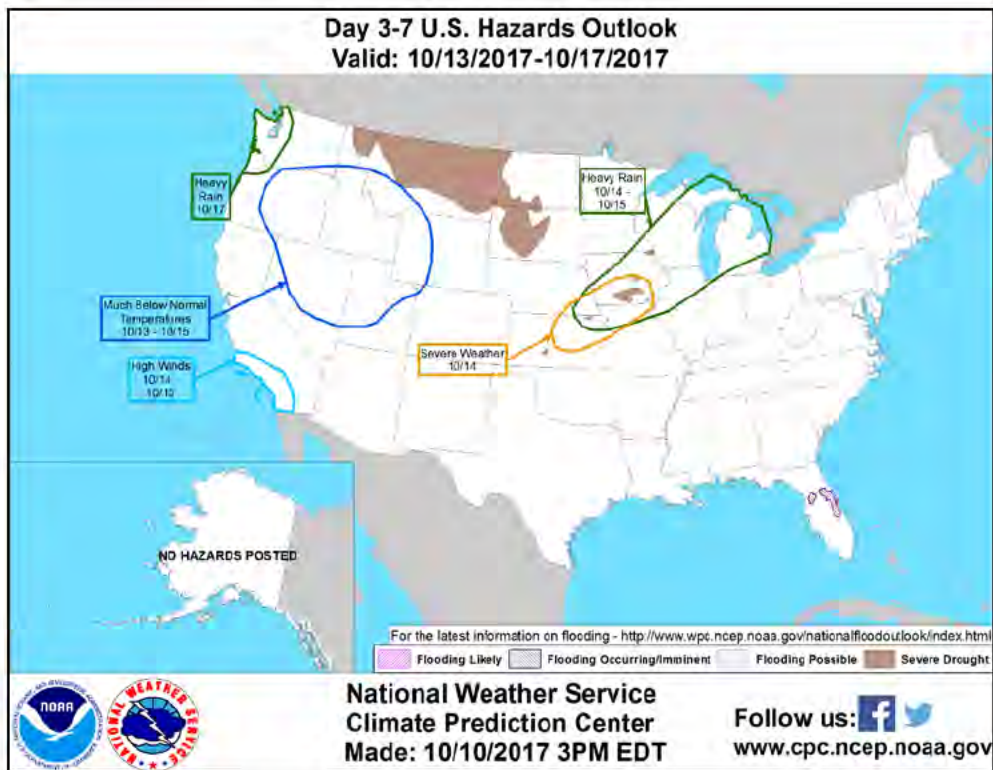
### Today

A low pressure will move into the Ohio Valley and a cold front will drop south to the Mississippi Valley and western Gulf of Mexico region. A warm front will also stretch east from the cold front through the mid-Atlantic into the western Atlantic. Rain and thunderstorms will develop from the central Great Lakes to the mid-Atlantic then south along the East Coast to the eastern Gulf Coastal region. Rain is possible for portions of the Northeast and for the southern tips of Texas and Florida rain and thunderstorms are possible. Out West, a cold front will move through the Inter-mountain Northwest to the northern Rockies/northern Great Basin region. Rain and thunderstorms will be possible along the Northwest coastal region. Rain and snow will develop over the Cascades, northern Rockies and Canadian Rockies. A high pressure will produce dry weather across the Great Plains, Four Corners, Southwest and California/Nevada region, while there is Critical, Elevated and Red Flag fire conditions expected for portions of northern California. Winds will be from the north to northeast 15 to 20 mph gusting to 35-40 mph, relative humidity values to will be a low (10-20%) and fuels are dry. Any new fire starts will have the potential for rapid fire growth.

## Tomorrow

A frontal system will extend from the western Atlantic to a wave of low pressure over eastern North Carolina continuing to the central Florida Panhandle to the central Gulf of Mexico. Rain and thunderstorms will develop from southern Virginia to Florida. Rain is expected from the Great Lakes through parts of the Northeast and the mid-Atlantic. Showers and thunderstorms will again be possible for the southern tip of Texas. Another frontal boundary will stretch from the Dakotas through the central Rockies to the southern Great Basin. Rain and snow are likely from eastern Wyoming to northwest Nebraska/ and southwest South Dakota. Rain and thunderstorms will continue for portions of western Washington and Oregon and rain and snow will spread across the remainder of the Northwest and parts of the northern Rockies. Elsewhere, dry weather will continue for California, Nevada and the Four Corners.

## Weather Hazard Assessment

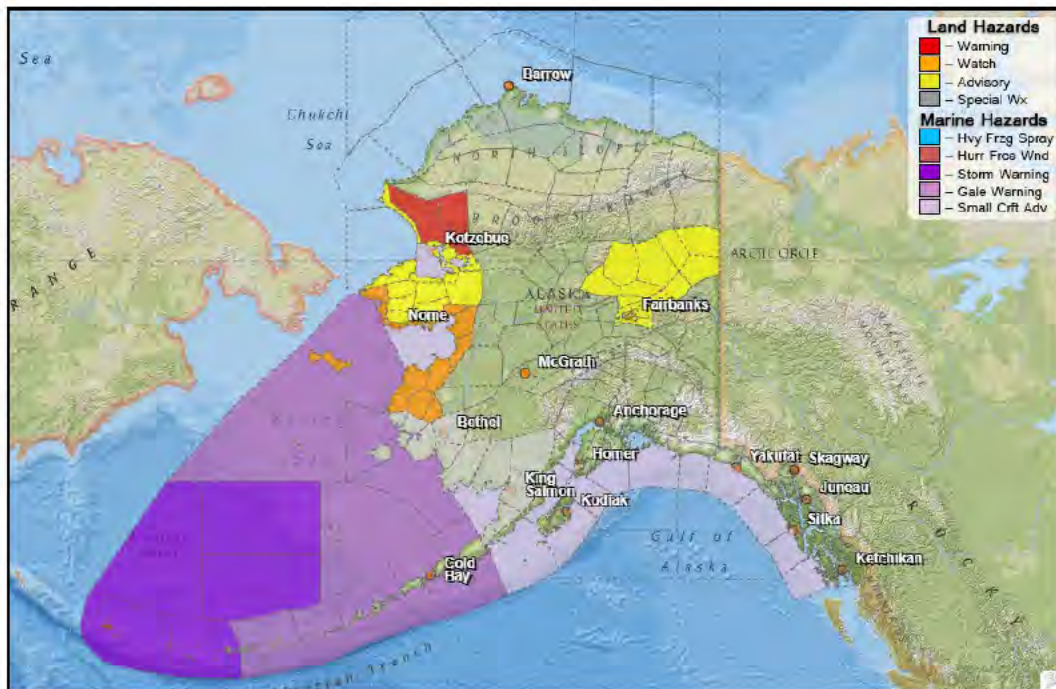


- October 13-15: Much below-normal temperatures for parts of the western U.S.
- October 14: Severe weather for parts of the central Great Plains and the lower Missouri Valley.
- October 14-15: Heavy rain for parts of the central Great Plains, the middle and upper Mississippi Valley, and the Great Lakes.
- October 14-15: High winds for southern California.
- October 17: Heavy rain for the coastal Pacific Northwest.
- Flooding occurring along the St. Johns and Withlacoochee Rivers across central Florida.
- Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Midwest, and Hawaii.

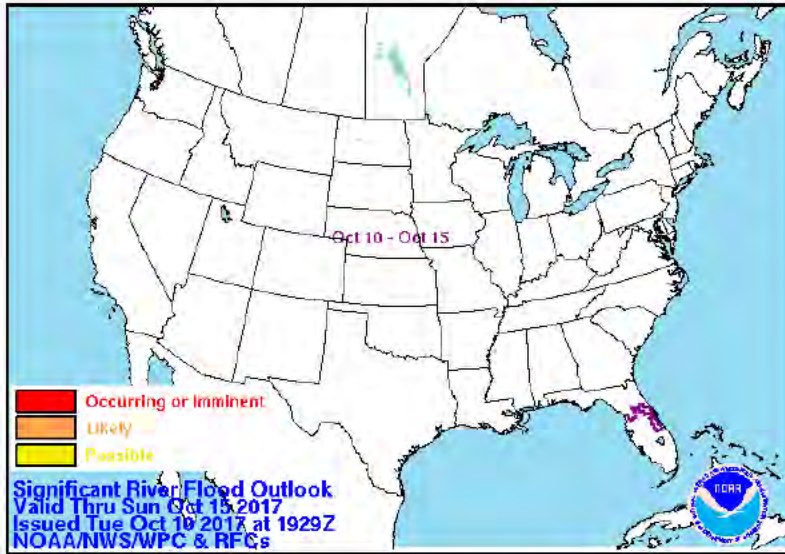


## Alaska Weather

A Small Craft Advisory is in effect for the Gulf of Alaska, Bristol Bay, Cook Inlet, the St. Matthew Island Waters, Norton Sound, and Shelikof Strait. A Gale Warning is in effect from the Bering Sea southward through the Aleutian Islands. A Winter Storm Warning is in effect for the lower Kobuk and Noatak valleys. A Storm Warning is in effect for the Bering Sea offshore, the Aleutian Basin, and the western Aleutian Islands. A Coastal Flood Warning is in effect for St. Lawrence Island and the Bering Strait Coast, the Yukon Delta, the southern Seward Peninsula Coast, eastern Norton Sound, and Nulato Hills. A Winter Weather Advisory is in effect for the middle Tanana Valley, Yukon Flats, and the surrounding uplands. A High Surf Advisory is in effect for the Chukchi Sea Coast, the Baldwin Peninsula and Selawik Valley, and the northern and Interior Seward Peninsula.



## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida.

## Severe Weather

There is no severe thunderstorm areas forecast for today

## Tornado Weather

There less than 2-percent chance of tornado activity in all areas.

## Fire Weather



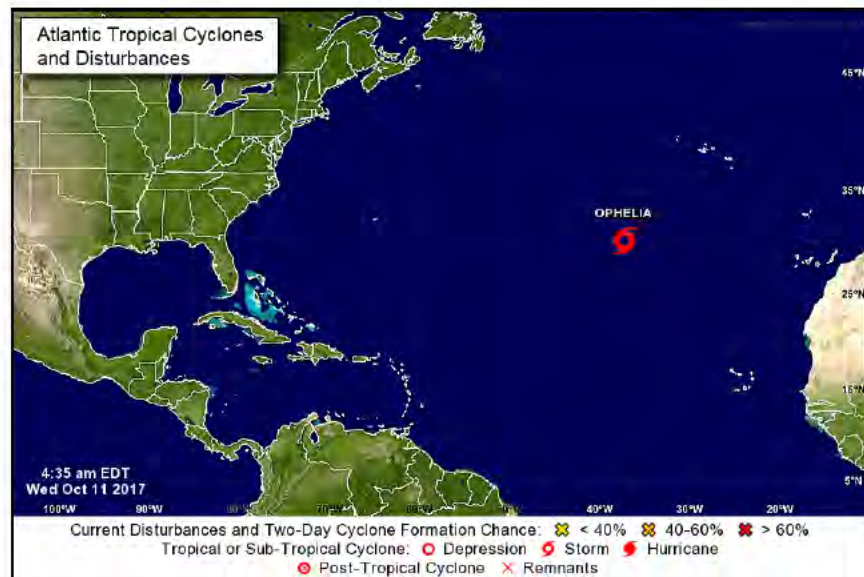
There is Critical Fire Weather forecast for portions of northern California and Elevated Fire Weather surrounding the Critical Fire Weather.

## **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 11, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

#### **Tropical Storm Ophelia**



At 5:00 a.m. EST, Tropical Storm Ophelia was located approximately 785 southwest of the Azores and moving toward the southeast near 6 miles per hour (mph). Ophelia is forecast to continue this motion during the next few days and become a hurricane Wednesday night or Thursday. Maximum sustained winds are near 65 mph, with higher gusts. Additional strengthening is forecast. There are no coastal watches or warnings in effect, and Ophelia is no threat to the U.S.

#### **Eastern Pacific Ocean**

There is no tropical cyclone activity expected during the next 48 hours.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, October 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 12, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Nate, Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports that shower and thunderstorm activity across Puerto Rico and the U.S. Virgin Islands will slowly diminish through Saturday. Showers and thunderstorms are not expected to be as numerous, but will still be capable of locally heavy rainfall. The likelihood for showers and thunderstorms will increase on Sunday and Monday.

A Flash Flood Watch remains in effect for much of the western half of Puerto Rico through this evening, and a Flash Flood Warning remains in effect for portions of the municipalities of Isabela and Quebradillas due to the Guajataca Dam. Soils are already saturated and loose, and many of the rivers and small streams remain at or above normal levels. Therefore, there is a high risk of river and small stream flooding as well as mudslides and rockfalls in areas of steep terrain. Urban flooding is also likely across low lying and poor drainage areas.

### **DOI Response and Recovery Efforts Personnel Numbers as of October 11, 2017**

There are a total of 135 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 83 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands.

There are 239 DOI personnel that remain at their home stations in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 11, 2017 at 10:00 p.m. EDT													
Function	Location	BIA	BLM	BOEM	BSEE	FWS	NPS	OEPC	OIG	OS	USGS	ONRR	Total
ESF-1 Transportation	CONUS												0
	PR					1							1
	USVI					1							1
ESF-4 Firefighting	CONUS		1										1
	PR	3	13			6	8						30
	USVI		7				1						8
ESF-5 Emergency Management	CONUS	1								2	30		33
	PR										9		9
	USVI												0
ESF-8 Public Health & Medical Services	CONUS						2						2
	PR												0
	USVI												0
ESF-10 Oil & Hazardous Materials	CONUS												0
	PR							1					1
	USVI												0
ESF-11 Agriculture & Natural Resources	CONUS							1					1
	PR												0
	USVI												0
ESF-13 Public Safety & Security	CONUS												0
	PR	4	8				1						13
	USVI												0
DHS Surge Capacity Force	CONUS		1	2		4	8					2	17
	PR		2	1			1		2				6
	USVI		1		1		3		1		2		8
NCR RSF	CONUS							4					4
	PR												0
	USVI												0
<b>Totals</b>		<b>8</b>	<b>33</b>	<b>3</b>	<b>1</b>	<b>12</b>	<b>24</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>41</b>	<b>2</b>	<b>135</b>

**DOI Support to FEMA Interagency Response and Recovery Efforts for Irma and Maria**

***Emergency Support Function (ESF) #5 (Information and Planning)***

- ***ESF #5 – United States Geological Survey (USGS):*** Eight personnel were in the field yesterday in Puerto Rico retrieving sensors and flagging high water marks (HWM). One person is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico under a Mission Assignment (MA).

### **Emergency Support Function (ESF) #10 (Oil and Hazardous Material)**

- **ESF #10 – Office of Environmental Policy and Compliance (OEPC):** DOI currently has one staff member working with the U.S. Coast Guard (USCG) under a Pollution Removal Funding Authorization (PRFA) in Puerto Rico. The ESF #10 issues in Puerto Rico include the identification, removal, and the mitigation of displaced vessels, the potential for oil spills and hazardous materials releases, and working on emergency Endangered Species Act (ESA) Section 7 consultations.

### **Emergency Support Function (ESF) #11 (Agricultural and Natural Resources)**

- **ESF #11 – OEPC:** The Advisory Council on Historic Preservation, FEMA, NPS, and OEPC are coordinating support to the Puerto Rico State Historic Preservation Office (SHPO) through ESF #11 for the protection of Natural, Cultural Resources, and Historical Properties (NCH). The SHPO will be preparing a letter for submittal to FEMA requesting assistance with performing damage assessments on historic structures.

The Heritage Emergency National Task Force, FEMA, OEPC, and the Smithsonian are coordinating assistance to the Institute of Puerto Rican Culture through ESF #11 NCH. The Institute is seeking technical experts to help address and stabilize collections, which includes the documents necessary in ensuring the continuity of government.

### **Emergency Support Function (ESF) #13 (Public Safety and Security)**

- **ESF #13 – Office of Law Enforcement and Security (OLES):** There are a total of 13 DOI Federal Law Enforcement Officers (FLEOs) supporting Maria response and recovery efforts. Twelve personnel have regrouped as DOI Maria Quick Response Team (QRT) 3, operating under one DOI team leader. The DOI Maria QRT 4 team leader was reassigned to ESF #13 management in the FEMA Joint Field Office (JFO) to assist in vetting new missions and unify the overall law enforcement response for Puerto Rico. Present missions center around force protection for Disaster Medical Assistance Teams (DMAT). The DOI Maria QRT 3 team is expected to demobilize on October 16, and no additional QRT teams are expected to deploy to the area.

### **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-one employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, Georgia, and Alabama. The OEM is working with FEMA to deploy an additional 36 DOI employees on October 14.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 11, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	0	0	2	2
<b>St. John</b>	0	0	12	12
<b>St. Thomas</b>	0	0	0	0
<b>Puerto Rico</b>	13	14	42	69
<b>Totals</b>	13	14	56	83

<b>Personnel Stationed and Remaining in Place As of October 11, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
<b>St. Croix</b>	1	0	3	0	17	21
<b>St. John</b>	0	0	0	0	34	34
<b>St. Thomas</b>	0	0	0	0	0	0
<b>Puerto Rico</b>	1	1	58	28	96	184
<b>Totals</b>	2	1	61	28	147	239

**DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

**United States Geological Survey Update**

*Source: United States Geological Survey (USGS) - October 11, 2017*

The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. The USGS reports that there are 42 personnel on Puerto Rico, including 28 personnel in the field assessing damage and repairing gages under USGS authority. The USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the National Weather Service (NWS) to prioritize gages for assessment and repair as resources allow. The USGS also has developed a coordinated [information and data website](#) for Irma.

**Office Of Environmental Policy and Compliance Update**

*Source: Office of Environmental Policy and Compliance (OEPC), October 11, 2017*

OEPC represented the Natural and Cultural Resources Recovery Support Function (NCR RSF) at an initial meeting of all the RSFs organized by the Federal Disaster Recovery Coordinator for Region II. The purpose of the meeting was to prepare Recovery Incident Strategic Plans for Puerto Rico and the U.S. Virgin Islands. The Strategic Plan will lay out goals and objectives for the recovery effort and will validate those findings with local leadership in Puerto Rico and the U.S. Virgin Islands prior to the deployment of additional support staff.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 12, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 12 at 5:00 a.m. EDT:

- *Puerto Rico:* Approximately 10.6-percent of the population has power across Puerto Rico, but instability is causing fluctuations during the restoration process. Generator installations continue, and 22.4-percent of cell towers are operational. Eleven mobile cellular assets have been deployed.

Most of the 22 Puerto Rico Aqueduct and Sewer Authority (PRASA) wastewater treatment plants that are out of service are not receiving sewage due to collapsed trunk systems or operational problems at the main pumping stations. Potable water is available to 64-percent of PRASA clients. The Puerto Rico National Guard is prepared to provide seven reverse osmosis water purification units to six municipalities. An island-wide Boil Water Advisory remains in effect.

Department of Health and Human Services (HHS) medical units' community outreach and messaging efforts are resulting in increased patient encounters as residents learn of the availability of health care. The USNS Comfort is providing medical services for northwestern Puerto Rico, and a U.S. Army surgical hospital will be established in Humacao, along Puerto Rico's eastern coast.

Road clearance operations are currently focused on clearing key routes critical to logistics flow into isolated mountain areas. Firefighters have cleared 59.4 miles of road. The Guajataca spillway channel has been reinforced with concrete barriers along its compromised portions, and a total of 120 super sandbags have also been placed. The Puerto Rico Police Department reports that 100-percent of its force has returned to duty.

- *U.S. Virgin Islands:* Grid power availability remains at 14.4-percent for St. Thomas, 12-percent for St. Croix, and zero-percent for St. John. Restoration supplies are on hand or en route with 90-percent restoration projected for late December. There are now 55 generators installed. Three mobile cellular assets are augmenting the 45.5-percent of functioning cell sites to provide coverage to the islands.

HHS medical units' community outreach and messaging efforts are resulting in increased patient encounters as residents learn of the availability of health care. Department of Defense medical personnel are supporting the medical center on St. Thomas and expect to establish an interim medical facility on St Croix by tomorrow. A territory-wide Boil Water Advisory remains in effect.



## **Disaster Unemployment Assistance Available to U.S. Virgin Islands**

*Source: Federal Emergency Management Agency - October 11, 2017*

U.S. Virgin Islanders who lost their jobs due to hurricanes Maria or Irma may now apply for Disaster Unemployment Assistance (DUA) through FEMA. To be considered for DUA, individuals must provide proof of identity and citizenship. Survivors are also required to substantiate employment or self-employment that was set to begin on or after the date of the disaster.

## **Harvey Recovery and Response Efforts**

### **DOI Support to FEMA Interagency Response and Recovery Efforts**

#### **ESF #5 (Information and Planning)**

- *ESF #5 - USGS:* In Texas, six USGS personnel performed HWM flagging, surveying, and conducted data analysis yesterday under Mission Assignment. The USGS has developed a coordinated [information and data website](#) for Harvey.

#### **ESF #11 (Oil and Hazardous Materials)**

- *ESF #11 - OEPC:* FEMA Environmental and Historic Preservation (EHP) informed OEPC that they are pursuing an ESF #11 NCH MA for 20 DOI personnel to support EHP. The DOI personnel would be assisting EHP with their responsibilities to ensure FEMA actions meet environmental compliance regulations and to provide additional assistance to natural and cultural private-non-profits.

## **Nate Recovery and Response Efforts**

### **DOI Support to FEMA Interagency Response and Recovery Efforts**

#### **ESF #5 (Information and Planning)**

- *ESF #5 - USGS:* In Florida, Alabama, and Louisiana, the USGS had a total of 20 personnel in the field yesterday performing HWM flagging, surveying, and retrieving Storm Surge Sensors (SSS). Four additional personnel in Mississippi performed HWM flagging. The USGS also has a coordinated [information and data website](#) for Nate.

## **Wildland Fire Activity**

*Source: National Interagency Fire Center - October 11, 2017*

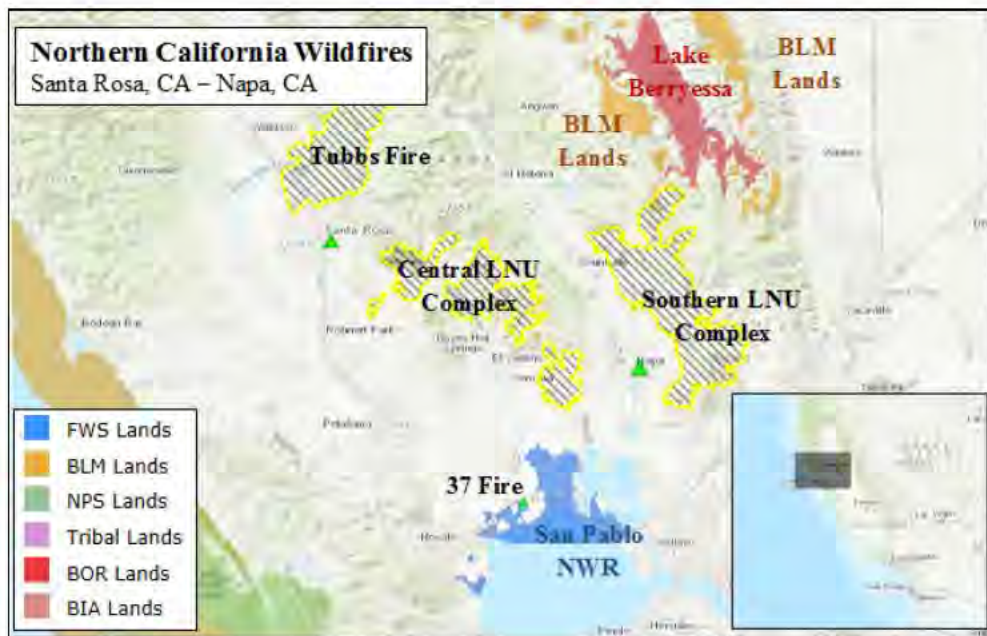
On October 11, the National Wildland Fire Preparedness Level (PL) was increased to PL 3. The increase to PL 3 was due to the mobilization of resources nationally being required to sustain incident operations in active geographic areas, national priorities required to address demand for resources, and a moderate risk that drawing down resources from non-active geographic areas may pose a risk.

## Northern California Fire Activity

Source: CAL Fire, DHS National Operations Center & Federal Emergency Management Agency - October 12, 2017

Fire activity was described as very active in several areas yesterday forcing additional evacuations across northern California. As of October 11, firefighters are battling 22 large wildfires that have burned nearly 170,000 acres, according to CAL Fire. FEMA is reporting that 24 people are confirmed to have died as a result of the fire activity this week. While damage assessments continue on all the fires, it was estimated yesterday that at least 3,500 homes and commercial structures have been destroyed. Over 100,000 people are under mandatory evacuation orders, and two hospitals have been evacuated. There are 15 American Red Cross and independent shelters open with 2,015 occupants.

The Governor of California has declared a State of Emergency for Napa, Sonoma, Butte, Lake, Solano, Mendocino, Nevada, Orange, and Yuba counties. The National Infrastructure Coordinating Center reports there are no known major impacts to national critical infrastructure, but utilities have de-energized some power lines and turned off gas to approximately 42,510 customers.



IGEMS Image

## **DOI Bureau and Office Reporting - Northern California Wildfire Activity:**

### **Bureau of Reclamation Update**

Source: Bureau of Reclamation (USBR) - October 12, 2017

The USBR reported that one employee from the mid-Pacific region lost a home in Lake County's Sulphur Fire; however, it was not a primary residence. The employee was not injured.

## United States Fish and Wildlife Service Update

Source: U.S. Fish and Wildlife Service (USFWS) - October 12, 2017

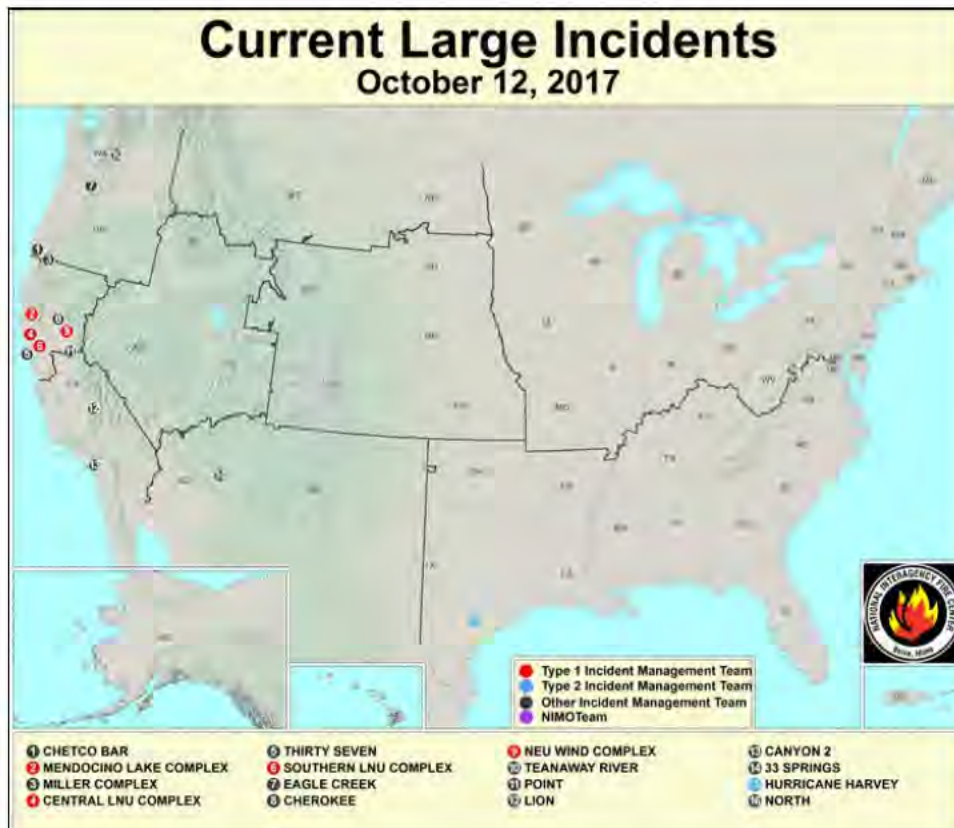
The USFWS reported yesterday that the 37 Fire in Sonoma County, California has spread onto the San Pablo National Wildlife Refuge (NWR), which is part of the San Francisco Bay National Wildlife Refuge Complex (NWRC). The fire is threatening refuge facilities and has burned about 200 acres on the refuge. A fire engine and crew from the San Luis NWRC is assisting with mop-up operations.

## United States Geological Survey (Update)

Source: United States Geological Survey (USGS) - October 12, 2017

The USGS reports that there have been no injuries to employees and no damages to employee homes as a result of the wildfire activity in northern California. One employee was evacuated, but the employee's home is currently not impacted. There are no reports of impacted facilities or damaged equipment at this time. Power and communication outages are resulting in minor disruptions to data transmissions for isolated observation stations; however, no significant loss of data is being reported. Most USGS staff are reporting to work as usual, with the exception of the San Francisco Bay Estuary Field Station of the Western Ecological Research Center in Vallejo where the staff have been teleworking due to power and access issues.

## Large Fire Map



## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 12, 2017*

### **National Preparedness Level 3**

#### **National Fire Activity**

Initial attack activity:	Light (70 new fires)
New large incidents:	4
Large fires contained:	1
Uncontained large fires: **	22
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	5
Type 2 IMTs committed:	3

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 11, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continued at the Cleveland Volcano during this reporting period. Clouds obscured views of the volcano, and no explosive activity was detected in seismic or infrasound data.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 11, 2017*

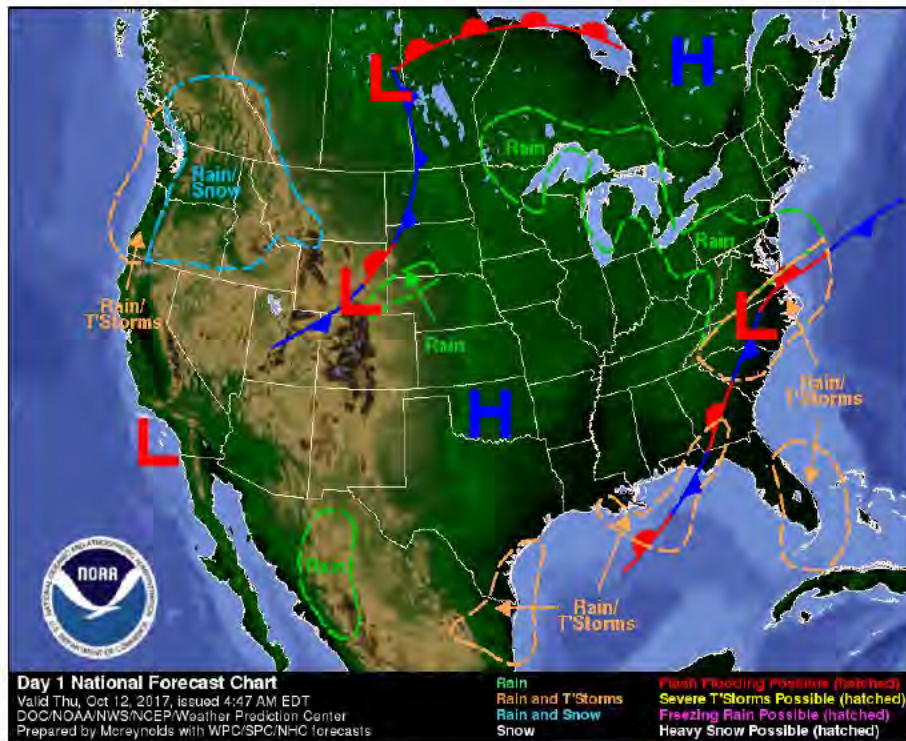
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. The height of the lava lake at Kilauea’s summit changed only slightly in the past several days and was observed to be approximately 108 feet below the Overlook Crater rim yesterday.

## Significant National Weather

Source: National Weather Service - October 12, 2017



### **Today**

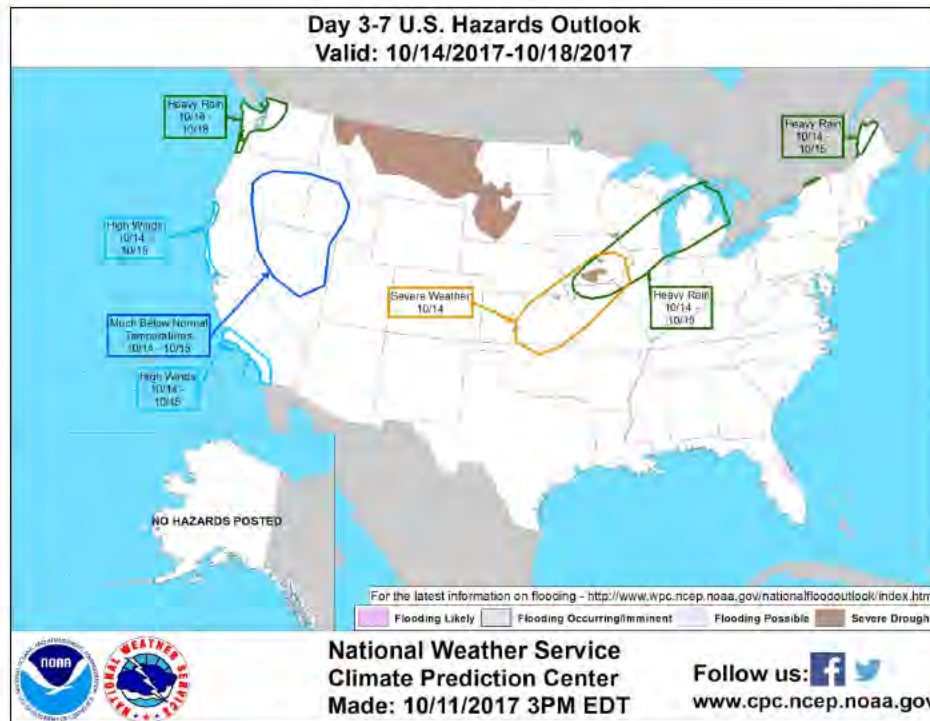
A stationary front will extend from the Atlantic to a wave of low pressure over North Carolina continuing across the Southeast to the central Gulf of Mexico. Rain is expected from the Great Lakes across portions of the upper Ohio Valley and the Northeast to the mid-Atlantic and central Appalachians. Rain and thunderstorms are possible for the Carolinas, southern Florida, portions of the central and eastern Gulf coastal region, and southern Texas. A frontal system will push into the northern Plains and the central Rockies, which will be mostly dry, but some rain could develop in the vicinity of the Nebraska Panhandle. Scattered rain and thunderstorms are likely for the coastal portions of Washington and Oregon. Further inland, rain and snow are forecast for the inter-mountain Northwest and the northern Rockies.

### **Tomorrow**

Showers and thunderstorms will develop across the Carolinas, the Southeast and the Florida Peninsula tomorrow. To the north, rain and rain showers are expected from the southern Appalachians into northern New England and the eastern Great Lakes. Rain showers will be possible for portions of the upper Midwest, the western Great Lakes, and parts of the northern Plains. Rain and thunderstorms will develop from the Midwest to southeastern New Mexico. A marginal threat for hail will be possible tomorrow night from parts of the central Plains into the lower to middle Missouri Valley. Rain and thunderstorms will continue for portions of southern

Texas, and rain and snow will be possible across the interior Northwest, the northern Rockies, and portions of the western High Plains. Heavy snow will be possible in some areas. Elsewhere, high pressure will continue to produce dry weather for California and parts of the Great Basin.

## Weather Hazard Assessment

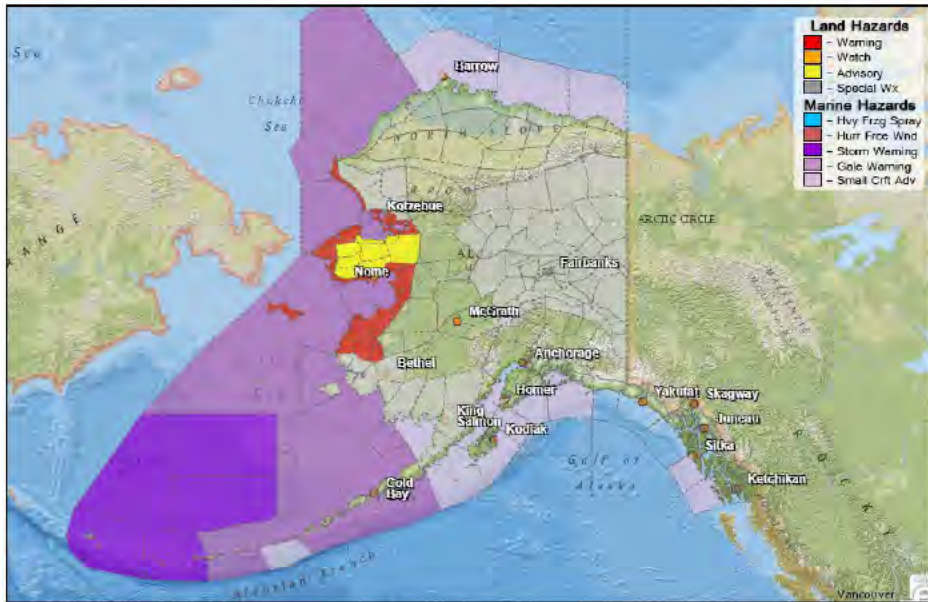


- October 12: Flooding is occurring along the St. Johns and Withlacoochee Rivers in central Florida.
- October 12: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Midwest, and Hawaii.
- October 14: Severe weather for parts of the central and southern Great Plains and the middle Mississippi Valley.
- October 14-15: Heavy rain for parts of the middle and upper Mississippi Valley, the Great Lakes, and the extreme northern portions of the Northeast.
- October 14-15: Much below-normal temperatures for parts of the interior western U.S.
- October 14-15: High winds for the coastal sections of northern California and parts of southern California.
- October 16-18: Heavy rain for parts of the Pacific Northwest.

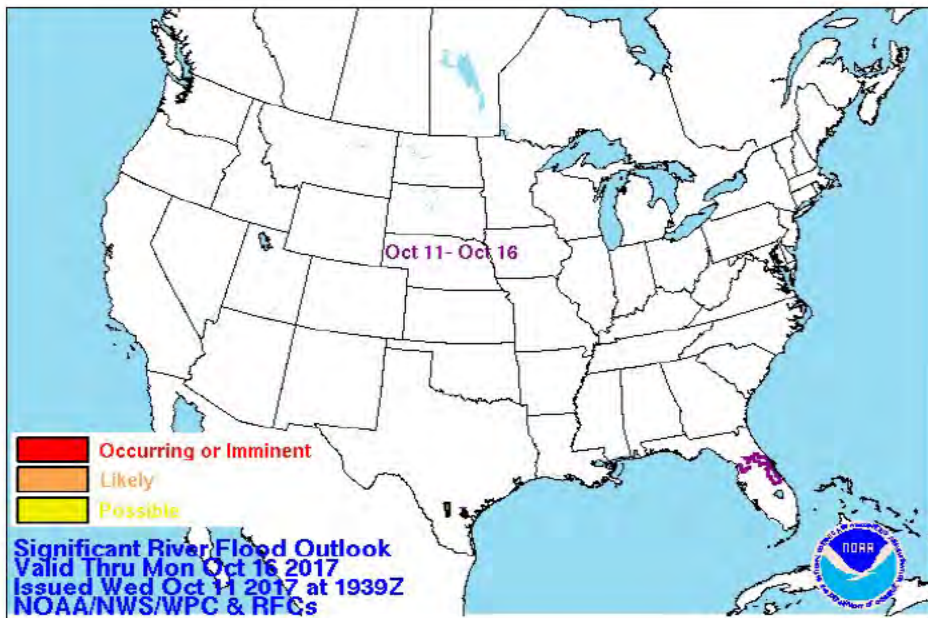
## Alaska Weather

A Storm Warning is in effect for the southwestern Bering Sea and the western Aleutian Islands. A Gale Warning is in effect for the southeastern and northern portions of the Bering Sea, from Adak to Port Heiden, the Norton Sound, St. Matthew Island, St. Lawrence Island, the Kotzebue Sound, the Chukchi Sea, and the northwestern coastline of Alaska from Wales to Point Franklin.

A Small Craft Advisory is in effect for southern Alaska from Cape Castle to Cape Suckling, the Kamishak Bay, the Shelikof Strait, the Bristol Bay, along the northern Alaskan coast from Point Franklin to Demarcation Point, and from Cape Edgecumbe to Dixon Entrance. A Coastal Flood Warning and a High Surf Advisory are in effect along the west-central coast of Alaska, and a Special Weather Statement has been issued for most of central Alaska for the Bering Sea storm activity and snow at high elevations.



### Significant River Flooding



Significant river flooding is occurring, imminent, or possible across portions of central Florida and southern Texas.

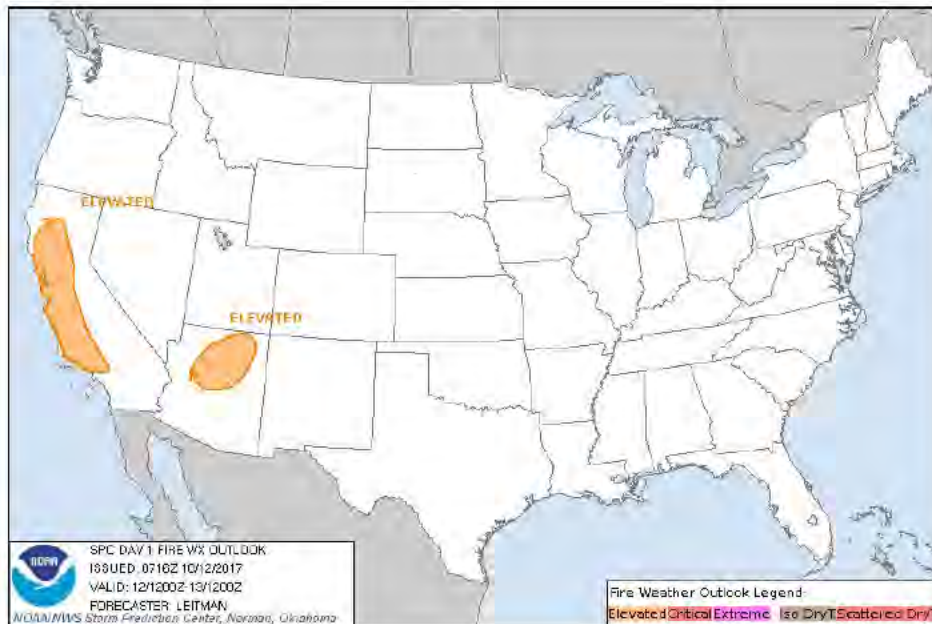
## Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather exists for much of California and the northern half of Arizona.

## Tropical Weather Activity

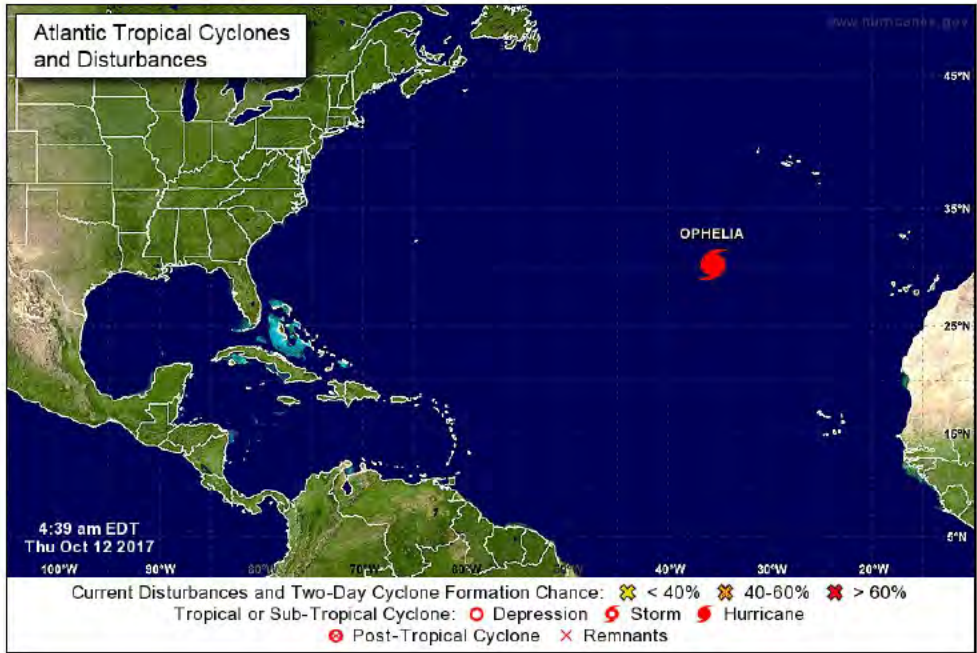
Source: National Weather Service/National Hurricane Center – October 12, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

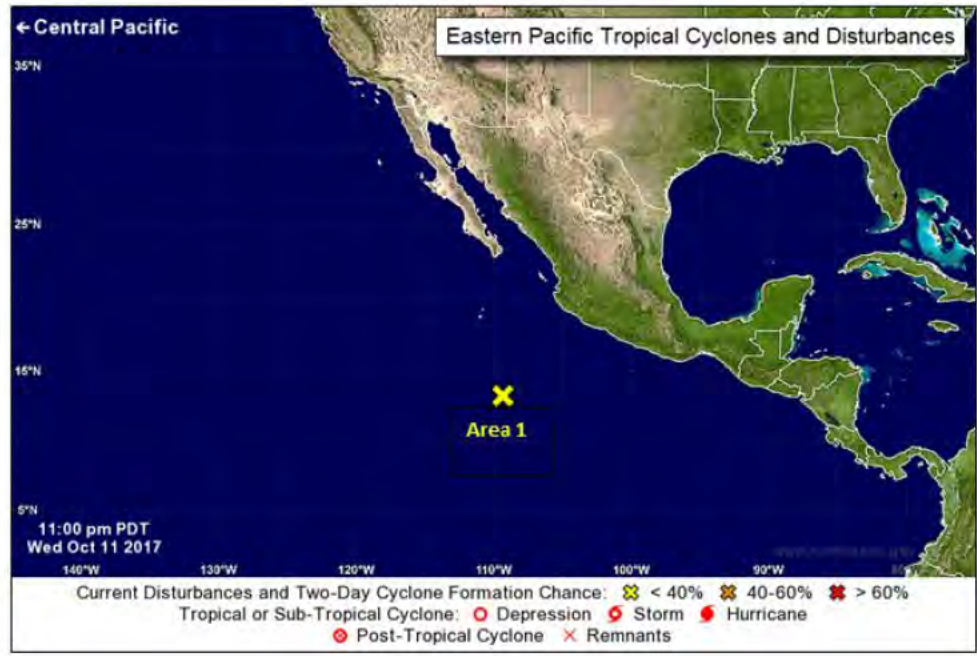
#### Hurricane Ophelia

At 5:00 a.m. EDT, Hurricane Ophelia was located approximately 725 miles to the southwest of the Azores and moving toward the northeast at 3 miles per hour (mph). This general motion is expected to continue today, followed by a faster motion toward the east-northeast or northeast on Friday. Maximum sustained winds are near 85 mph, with higher gusts, and additional strengthening is possible over the next day or two. There are no coastal watches or warnings in effect at this time, and Ophelia poses no threat to the U.S.





**Eastern Pacific Ocean**



**Area 1**

A broad area of low pressure, centered about 650 miles to the south of the southern tip of the Baja California Peninsula, is producing disorganized showers and thunderstorms. Strong upper level winds will likely limit development of this system for the next couple of days, but some gradual development could occur thereafter while the system moves generally westward at 10 to

15 mph. This system has a near 0-percent chance of developing into a tropical cyclone during the next 48 hours.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, October 13, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 13, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Nate, Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports that the chance of shower and thunderstorm activity across Puerto Rico and the U.S. Virgin Islands will be lower today and tomorrow. However, a tropical wave is forecast to move through the region beginning Sunday, enhancing the possibility for additional shower and thunderstorm activity next week. A Flash Flood Warning remains in effect for portions of the municipalities of Isabela and Quebradillas due to the Guajataca Dam.

### **DOI Response and Recovery Efforts Personnel Numbers as of October 12, 2017**

There are a total of 135 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 80 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 239 DOI personnel that remain at their home stations in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 12, 2017 at 3:00 p.m. EDT													
Function	Location	BIA	BLM	BOEM	BSEE	FWS	NPS	OEPC	OIG	OS	USGS	ONRR	Total
ESF-1 Transportation	CONUS												0
	PR					1							1
	USVI					1							1
ESF-4 Firefighting	CONUS		1										1
	PR	3	13			6	8						30
	USVI		7				1						8
ESF-5 Emergency Management	CONUS									2	30		32
	PR										9		9
	USVI												0
ESF-8 Public Health & Medical Services	CONUS						2						2
	PR												0
	USVI												0
ESF-10 Oil & Hazardous Materials	CONUS							1					1
	PR												0
	USVI												0
ESF-11 Agriculture & Natural Resources	CONUS							1					1
	PR												0
	USVI												0
ESF-13 Public Safety & Security	CONUS												0
	PR	4	8				1						13
	USVI												0
DHS Surge Capacity Force	CONUS		1	2		4	9					2	18
	PR		2	1			1		2				6
	USVI		1		1		3		1		2		8
NCR RSF	CONUS							4					4
	PR												0

	USVI												0
<b>Totals</b>		7	33	3	1	12	25	6	3	2	41	2	135

**DOI Support to FEMA Interagency Response and Recovery Efforts for Irma and Maria**

**Emergency Support Function (ESF) #13 (Public Safety and Security)**

- **ESF #13 – Office of Law Enforcement and Security (OLES):** There are a total of 13 DOI Federal Law Enforcement Officers (FLEOs) supporting Maria response and recovery efforts. Remaining team members have been regrouped as DOI MARIA Quick Response Team (QRT) 3 and are operating under one DOI team leader. Present missions involve force protection for Disaster Medical Assistance Teams (DMAT). The DOI Maria QRT 3 team is expected to demobilize on October 16.

**DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-two employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, Georgia, and Alabama. The OEM is working with FEMA to deploy an additional 34 DOI employees on October 14.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts</b>				
<b>As of October 12, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	0	0	2	2
St. John	0	0	12	12
St. Thomas	0	0	0	0
Puerto Rico	10	14	42	66
<b>Totals</b>	10	14	56	80

<b>Personnel Stationed and Remaining in Place</b>						
<b>As of October 12, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	28	96	184
<b>Totals</b>	2	1	61	28	147	239

## **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

### **United States Fish and Wildlife Service Update**

*Source: United States Fish and Wildlife Service (USFWS) - October 12, 2017*

The USFWS is in the process of transitioning from a response to a long term recovery. Due to the continued degradation of power and communications, the USFWS is utilizing interim solutions such as power provided through portable generators, communications through portable satellite systems to provide cellular coverage and internet connectivity, and points of distribution for life sustaining supplies for employees and family members. The USFWS is working on demobilization plans and airlift via available resources.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 13, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 13 at 5:00 a.m. EDT:

- *Puerto Rico:* Approximately 17-percent of the population has power across Puerto Rico, but instability is causing fluctuations during the restoration process. The power authority estimates that 75-percent of Puerto Rico's power will be restored by late December. Voice and text messaging is available for 64-percent of Puerto Rico's population, and potable water is available to 64-percent of the Puerto Rico Aqueduct and Sewer Authority (PRASA) clients. The La Plata Dam has been reenergized, providing the capability to supply potable water to 140,000 customers in the San Juan metropolitan area.

A Centers for Disease Control (CDC) lab assessment team arrived yesterday to assess public health labs. Road clearance operations are focused on clearing routes critical to logistics flow to isolated mountain areas, with U.S. Marines in the final stages of clearing routes from Ponce to inland municipalities. The Guajataca spillway channel has been reinforced with concrete barriers along compromised portions, and 220 super sandbags have also been placed.

- *U.S. Virgin Islands:* Grid power availability remains at 14.4-percent for St. Thomas, 12-percent for St. Croix, and zero-percent for St. John. Restoration supplies are on hand or en route, with 90-percent restoration projected for late December. There are now 55 generators installed. Three mobile cellular assets are augmenting the 45.6-percent of functioning cell sites to provide coverage to the islands.

Department of Defense medical personnel are supporting the medical center on St. Thomas and expects to establish an interim medical facility on St. Croix by today. Power loss at the Department of Health medical clinic rendered the vaccine supply unusable.

Pharmaceuticals, including vaccines, were delivered to two large pharmacies. No major roadways are closed, and 95-percent of all roadways are passable. One QRT, National Guard Military Police, and 268 emergency management law enforcement personnel continue to support the U.S. Virgin Islands.

## **Nate Recovery and Response Efforts**

### **DOI Bureau and Office Reporting Response and Recovery Efforts for Nate**

#### **Bureau of Safety and Environmental Enforcement (BSEE)**

*Source: Bureau of Safety and Environmental Enforcement, October 12, 2017*

Offshore oil and gas operators are continuing to re-board platforms and rigs following Hurricane Nate. The BSEE Hurricane Response Team is monitoring all operational activities and will continue to work with offshore operators and other state and federal agencies until Gulf of Mexico oil and gas operations return to normal. As of October 12, personnel remained evacuated from 20 production platforms, which is 2.71-percent of the 737 manned platforms in the Gulf. An estimated 19.63-percent of the current oil production and 12.42-percent of the natural gas production in the Gulf of Mexico remain shut-in.

## **Wildland Fire Activity**

### **Northern California Fire Activity**

*Source: CAL Fire, DHS National Operations Center & Federal Emergency Management Agency - October 13, 2017*

CAL Fire reported yesterday that over 8,000 firefighters continued suppression efforts on the 21 wildfires burning across California. Reports indicate that there have been 29 fatalities as a result of the fire activity, and approximately 191,437 acres have been burned as of yesterday evening. It is estimated that 3,500 homes and other structures have been destroyed by the fire activity, and approximately 100,000 people remain evacuated. As of 11:30 a.m. EDT on October 12, the California Department of Emergency Services reported there 42 shelters were open with 4,823 occupants statewide.

Red Flag Warnings have been issued for gusty winds and low humidity across the fire area. These winds will continue to challenge firefighters in their efforts towards containment and increase the risk for new fires. Hundreds of additional fire engines and firefighters have been requested from other states to assist fire crews currently involved with suppression efforts and to be prepared for the possibility of new wildfires that may ignite.

The National Infrastructure Coordinating Center reports there are no known major impacts to national critical infrastructure at this time. Several local roads have been closed, but no major routes have been affected. Utilities personnel are working to assess damages to power lines and to restore gas service to approximately 36,000 customers as it becomes safe to do so. Two

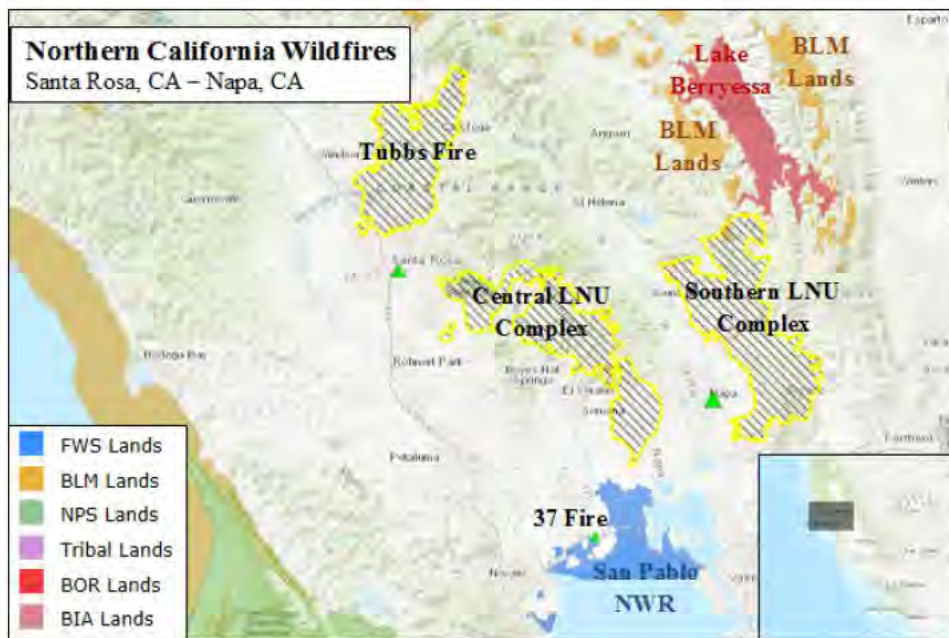
hospitals in Santa Rosa remain evacuated, and nearly 600 schools are closed due to the fire activity.

The California Emergency Operations Center (EOC) is fully activated due to the fire activity, and a FEMA Liaison Officer (LNO) and an Incident Management Assistance Team (IMAT) have been deployed to the California EOC. The President has signed a Major Disaster Declaration for the seven counties affected by the fires.

### United States Geological Survey Update

*Source: United States Geological Survey (USGS) - October 12, 2017*

There have been no reported impacts to USGS employees as a result of the fire activity in northern California. The USGS is currently investigating possible damages to sensor equipment in the fire area.



IGEMS Image

### Wildland Fire Incident Management Situation Report

*Source: National Interagency Fire Center - October 13, 2017*

#### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (73 new fires)
New large incidents:	0
Large fires contained:	3
Uncontained large fires: **	19
Area Command teams committed:	0
NIMOs committed:	0



Type 1 IMTs committed: 5  
 Type 2 IMTs committed: 2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**



**Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland Volcano continued during this reporting period, but it is unclear if lava effusion has paused. No activity was observed in partly cloudy satellite and web camera views yesterday.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 12, 2017

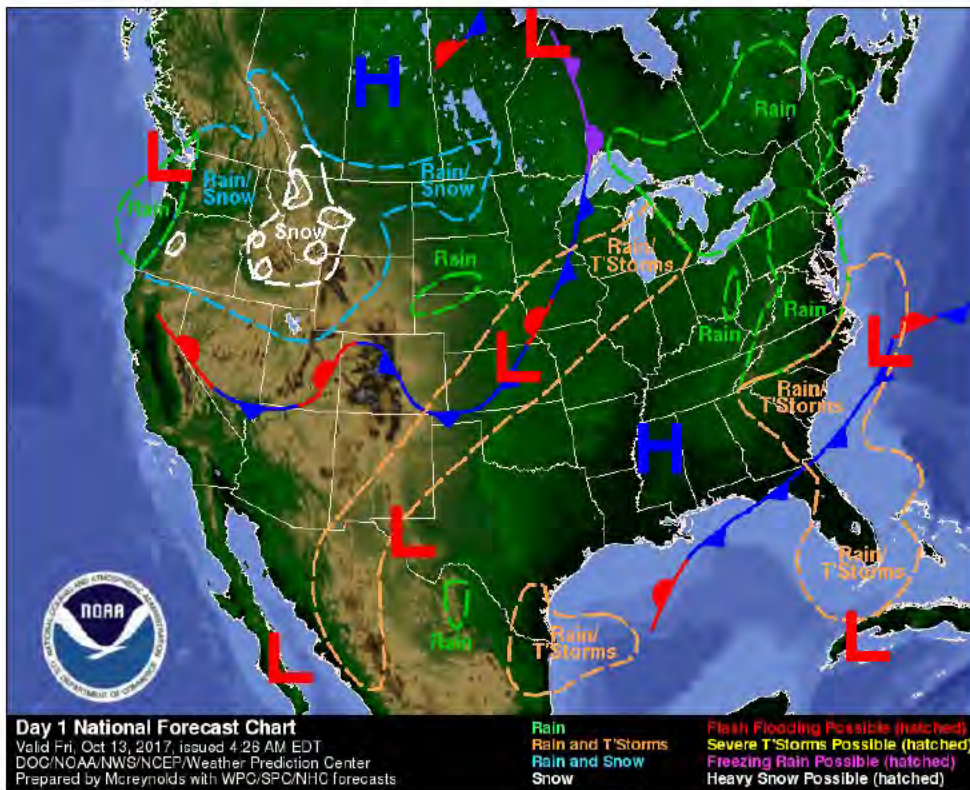
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. The height of the lava lake at Kilauea's summit changed only slightly in the past several days and was observed to be approximately 108 feet below the Overlook Crater rim yesterday. Low rates of ground surface deformations and seismic activity persist across the volcano.

## Significant National Weather

Source: National Weather Service - October 13, 2017



## Today

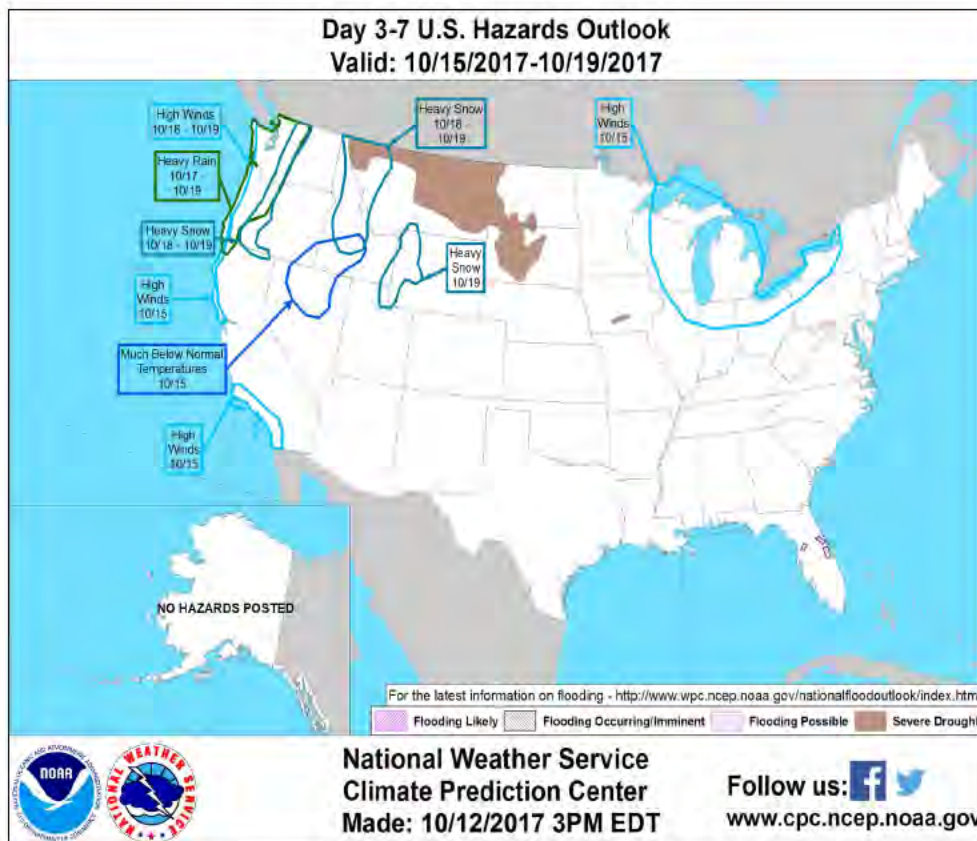
Rain and thunderstorms will develop today across portions of the Carolinas, the Southeast, and the southern half of Florida. Showers and thunderstorms will continue for southern Texas, and a band of showers and thunderstorms will extend from the central Great Lakes to southeastern New Mexico. Widely scattered strong thunderstorms may impact portions of the middle

Mississippi Valley into the central Plains, and spotty rain showers will be possible for portions of northwestern Nebraska and southwestern South Dakota. Snow, some possibly heavy, is forecast for the southern Cascades and the northern Rockies.

### Tomorrow

Rain and thunderstorms are expected tomorrow for portions of the Outer Banks and the Florida Peninsula. Rain showers are likely from southeastern Virginia into the Northeast and the Great Lakes. Rain and thunderstorms will develop from the Great Lakes to Texas and New Mexico, and there will be a threat for isolated large hail and wind damage from the southern High Plains into the Midwest. An area of heavy rain, with possible flash flooding, is forecast to develop from Iowa and Missouri to central Michigan. Showers and thunderstorms will continue over the southern coastal region of Texas, and rain and snow are likely for northern Minnesota and eastern North Dakota. Rain is possible for the remainder parts of the northern Plains. Snow is expected for portions of the central and northern Rockies, while rain and snow are possible for the plains of Wyoming.

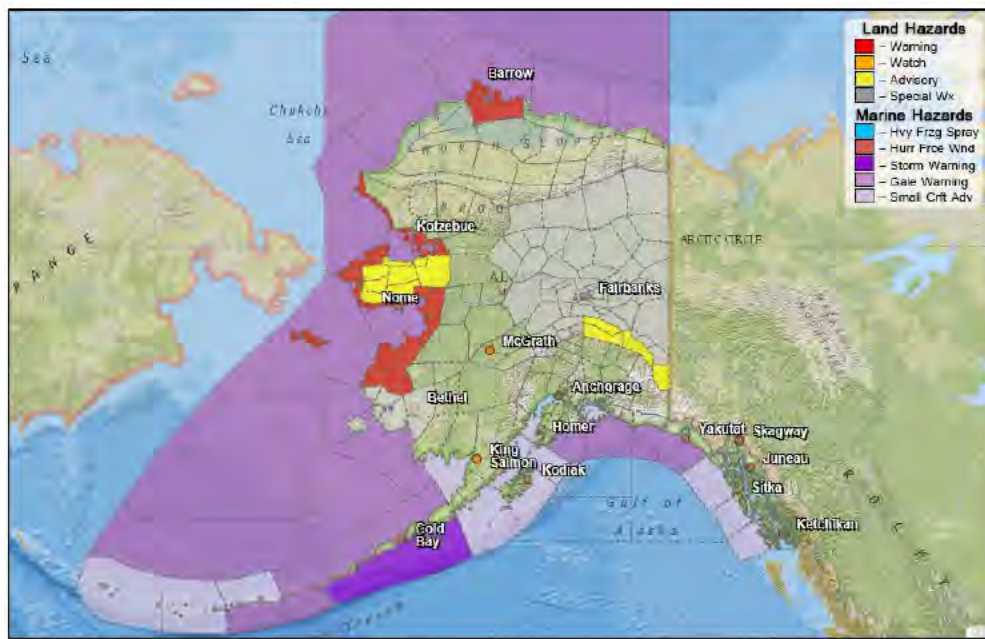
### Weather Hazard Assessment



- October 13: Flooding is occurring along the St. Johns and Withlacoochee rivers in central Florida.
- October 13: Flooding is possible for parts of southern Texas.

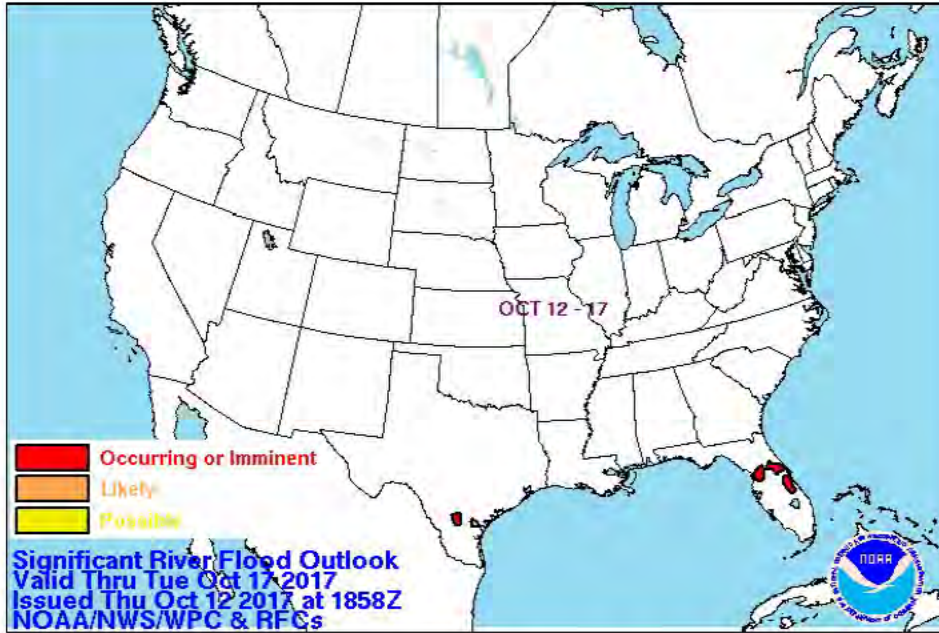
- October 13: Severe drought across parts of the northern Rockies, the northern and central Great Plains, the Midwest, and Hawaii.
- October 15: High winds for parts of the Great Lakes.
- October 15: Much below-normal temperatures for parts of the central Great Basin.
- October 15: High winds for coastal parts of northern California and southern California.
- October 17-19: Heavy rain for the coastal Pacific Northwest and northern California.
- October 18-19: High winds for coastal sections of Washington, Oregon, and northern California.
- October 18-19: Heavy snow for portions of the Cascades, the northern Rockies, and the Bitterroots.

## Alaska Weather



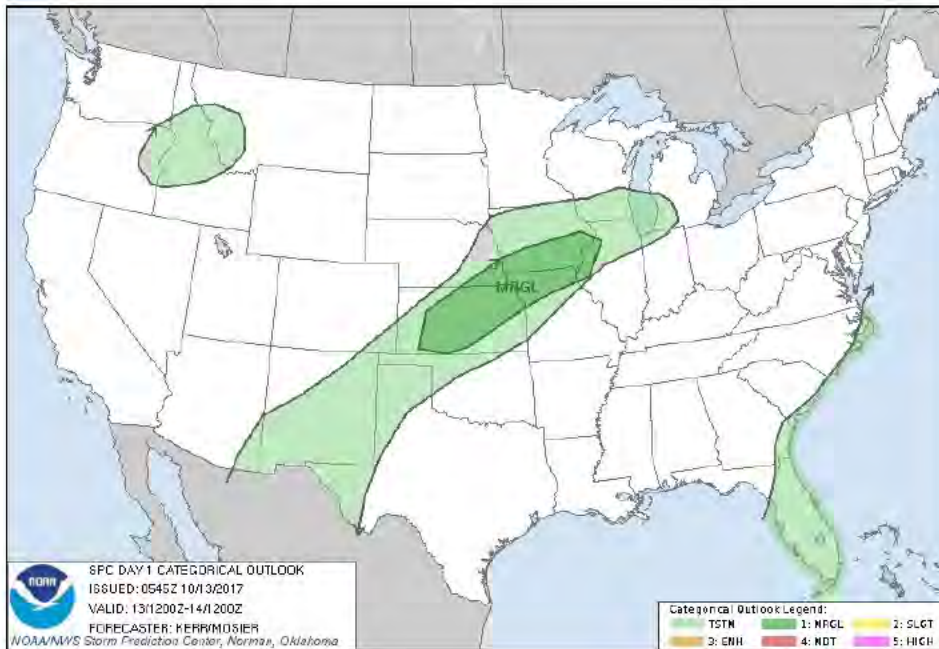
A Gale Warning is in effect today in Alaska's northern and western coastlines, the central and eastern Aleutians, the central Gulf of Alaska, the Pribilof Islands, and St. Matthew Island. There is a Storm Warning in effect from Nikolski to Castle Cape in the Aleutians. A Small Craft Advisory is in effect for the western Aleutians, the eastern and western Gulf of Alaska, the Cook Inlet, the Barren Islands, the Shelikof Strait, the Prince William Sound, and the Bristol Bay. There is a High Wind Warning and a High Surf Advisory in effect for west-central Alaska, north-central Alaska, and St. Lawrence Island. A Coastal Flood Warning is in effect in west-central Alaska and St. Lawrence Island. There is a Wind Advisory in effect in southeastern Alaska, and a Special Weather Statement has been issued for snowfall in much of central and eastern Alaska.

## Significant River Flooding



Significant river flooding is occurring, imminent, or possible across portions of central Florida and southern Texas.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today across portions of Kansas, southeastern Nebraska, southern Iowa, western Illinois, and northern Missouri.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



Critical Fire Weather is forecast for today for portions of southern California. Elevated Fire Weather exists from southern California to northern California.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 13, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

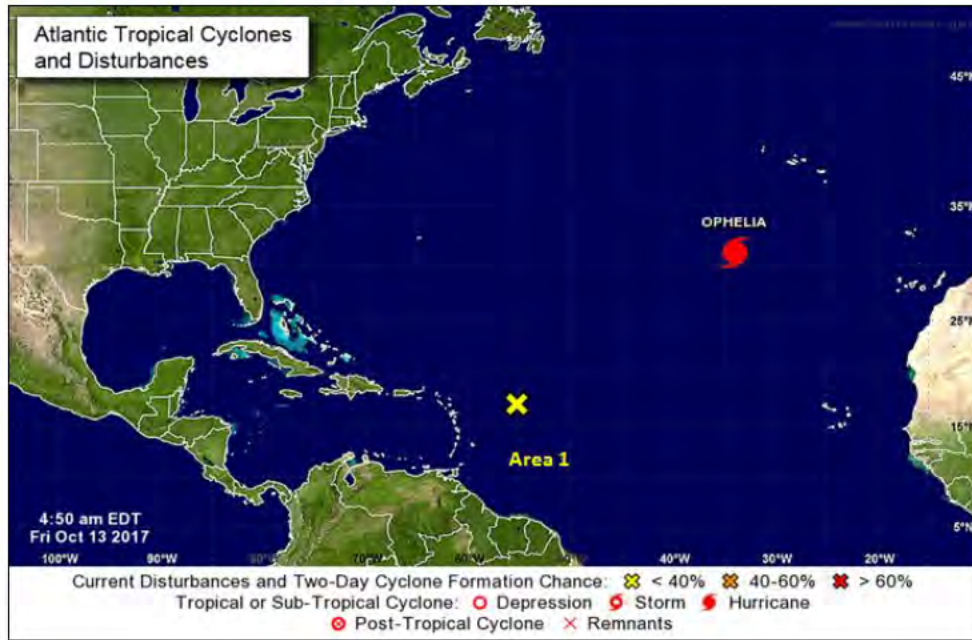
#### Hurricane Ophelia

At 5:00 a.m. EDT, Hurricane Ophelia was located approximately 995 miles to the southwest of the Azores and moving toward the east-northeast at 8 miles per hour (mph). This general motion, with an increase in forward speed, is expected through Saturday, followed by a turn toward the northeast on Saturday night. Maximum sustained winds are near 105 mph, with higher gusts, and a slight weakening is forecast for the next 48 hours. There are no coastal watches or warnings in effect at this time, and Ophelia poses no threat to the U.S.

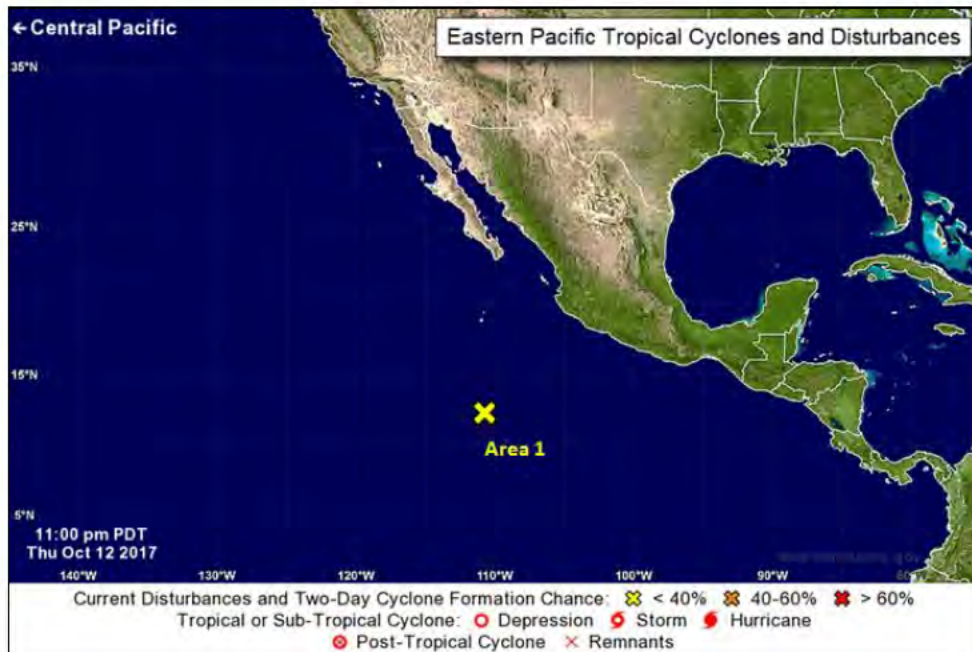
#### Area 1

A strong tropical wave located several hundred miles east of the Lesser Antilles is producing disorganized showers and thunderstorms. Upper-level winds are expected to prevent significant

development of this system for the next couple of days as it moves generally west-northwestward to the north of the Leeward Islands. Environmental conditions could become more conducive for some development early next week while the system moves northward over the west-central Atlantic Ocean. This system has a near zero-percent chance of developing into a tropical cyclone over the next 48 hours.



### Eastern Pacific Ocean



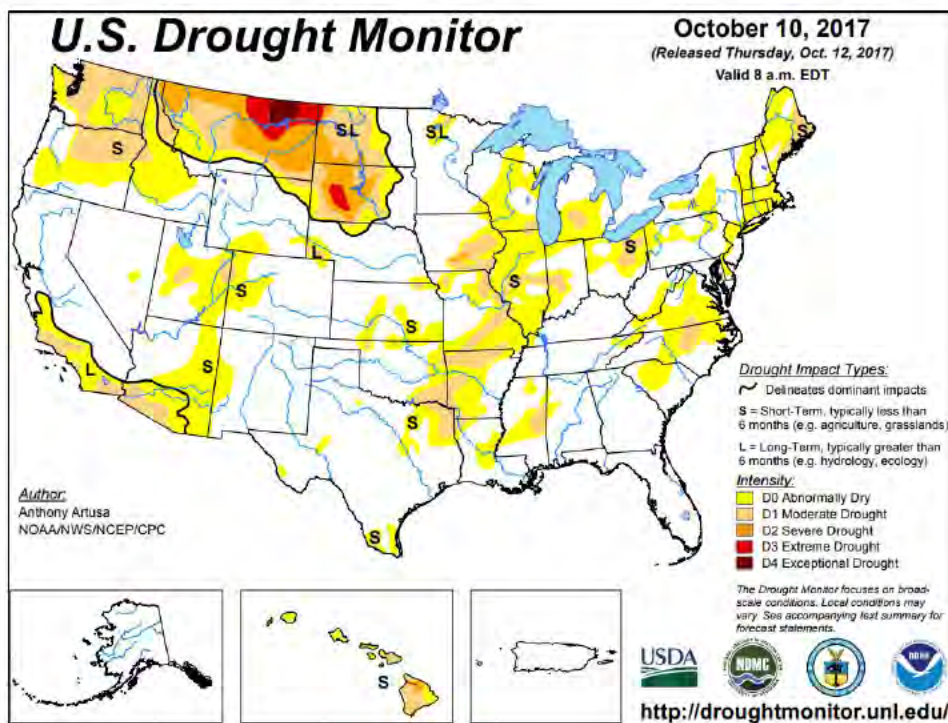
## Area 1

A broad area of low pressure centered about 750 miles to the south of the southern tip of the Baja California Peninsula is producing disorganized showers and thunderstorms. Slow development of this system is possible through the next several days as it moves west-northwestward at 10 to 15 mph. This system has a 20-percent chance of developing into a tropical cyclone during the next 48 hours.

## Other News and Notes

### U.S. Drought Monitor

Source: *National Drought Mitigation Center – October 12, 2017*



Hurricane Nate made landfall last Saturday bringing rain to portions of the Gulf Coast region. The remnants of Nate brought additional rainfall to the Appalachians and Atlantic Coast states on Sunday and Monday improving drought conditions in some areas. Moderate to exceptional drought continues for portions of Washington, Oregon, Montana, South Dakota, Hawaii, and North Dakota. Moderate drought continues for portions of the southwestern and central U.S.

*\*End of Report\**



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Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, October 16, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 16, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Nate, Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) reports that a Tropical Wave is passing through Puerto Rico and the U.S. Virgin Islands from the east, bringing more rain to islands through late Monday. Scattered showers and thunderstorms capable of heavy rainfall, cloud to ground lightning, and localized flash flooding can be expected, which may impact response and recovery operations over mainly the northern and eastern sections of Puerto Rico and the U.S. Virgin Islands.

Multiple Flash Flood Warnings and Flood Advisories are impacting the eastern half of Puerto Rico and all of the U.S. Virgin Islands. A Flash Flood Warning also remains in effect for the area of the Guajataca Dam. Northern and eastern sections of Puerto Rico and the U.S. Virgin Islands can expect 1-2 inches of rain, with lighter activity expected in southern and western Puerto Rico. Soils are already saturated and loose, and many rivers and small streams are running at just below or near normal levels. The Tropical Wave will increase potential of river and small stream flooding, mudslides, and rock falls.

**DOI Response and Recovery Efforts Personnel Numbers as of October 15, 2017**

There are a total of 119 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 85 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 239 DOI personnel that remain at their home stations in Puerto Rico or the U.S. Virgin Islands.

<b>Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 15, 2017 at 3:00 p.m. EDT</b>													
<b>Function</b>	<b>Location</b>	<b>BIA</b>	<b>BLM</b>	<b>BOEM</b>	<b>BSEE</b>	<b>FWS</b>	<b>NPS</b>	<b>OEPC</b>	<b>OIG</b>	<b>OS</b>	<b>USGS</b>	<b>ONRR</b>	<b>Total</b>
<b>ESF-1 Transportation</b>	CONUS												0
	PR					1							1
	USVI					1							1
<b>ESF-4 Firefighting</b>	CONUS		1										1
	PR	3	13			6	8						30
	USVI		7				1						8
<b>ESF-5 Emergency Management</b>	CONUS									2	15		17
	PR										5		5
	USVI									3			3
<b>ESF-8 Public Health &amp; Medical Services</b>	CONUS						2						2
	PR												0
	USVI												0
<b>ESF-10 Oil &amp; Hazardous Materials</b>	CONUS							1					1
	PR												0
	USVI												0
<b>ESF-11 Agriculture &amp; Natural Resources</b>	CONUS							1					1
	PR												0
	USVI												0
<b>ESF-13 Public Safety &amp; Security</b>	CONUS												0
	PR	4	8				1						13
	USVI												0
<b>DHS Surge Capacity Force</b>	CONUS		1	2		3	8					2	16
	PR		2	1		1	1		2				7
	USVI		1		1		4		1		2		9

NCR RSF	CONUS							4					4
	PR												0
	USVI												0
<b>Totals</b>		7	33	3	1	12	25	6	3	5	22	2	119

**DOI Support to FEMA Interagency Response and Recovery Efforts for Irma and Maria**

**Emergency Support Function (ESF) #13 (Public Safety and Security)**

- **ESF #5 (Information and Planning)**

**ESF #5 - United States Geological Survey (USGS):** The USGS had three personnel retrieving storm surge sensors performing high water mark (HWM) flagging and surveying in Puerto Rico under Mission Assignment (MA) PR-17090102-USGS-01. A total of 83 precipitation gages were initially knocked offline, damaged, or destroyed. Fifty-six of those gages have been repaired or rebuilt, while eleven gages were totally destroyed.

**DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-two employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, Florida, and Alabama. The OEM is working with FEMA to deploy an additional 46 DOI employees on October 18.

**DOI Liaison to Support FEMA Joint Field Office (JFO)**

- **Office of Emergency Management (OEM):** DOI has established a DOI Liaison position at the FEMA Puerto Rico JFO to support interagency coordination between FEMA and DOI Bureaus and Offices, primarily FWS, NPS, USGS, and OEPC, operating in Puerto Rico under a FEMA mission assignment or conducting DOI statutory missions.

DOI rostered and was ready to provide a DOI Liaison the FEMA U.S. Virgin Islands JFO, but was told by FEMA to wait until the FEMA JFO is fully operational later next week before deploying any additional personnel to the FEMA U.S. Virgin Islands Initial Field Office.

The Director of OEM is currently in the U.S. Virgin Islands to support the Office of Insular Affairs communication with the leadership of the U.S. Virgin Islands and the FEMA U.S. Virgin Islands Federal Coordinating Officer.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 15, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	0	0	2	2
St. John	0	0	12	12
St. Thomas	0	0	0	0
Puerto Rico	10	19	42	71
<b>Totals</b>	<b>10</b>	<b>19</b>	<b>56</b>	<b>85</b>

<b>Personnel Stationed and Remaining in Place As of October 15, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	30	96	184
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>61</b>	<b>30</b>	<b>147</b>	<b>239</b>

**DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

**United States Fish and Wildlife Service Update**

*Source: United States Fish and Wildlife Service (USFWS) - October 16, 2017*

The USFWS is actively transitioning from response to long term recovery, while taking into account that Puerto Rico and the U.S. Virgin Islands infrastructure is still degraded. FWS is now operating under a new normal environment/situation. Both employees and their families have been impacted both personally and professionally. Employees and their families welfare remain a top priority. There have been various degrees of damage to all facilities.

USFWS continues to progress by:

- Shipping generators to Puerto Rico U.S.Virgin Islands to affected facilities from CONUS.
- Providing satellite phones to employees and programs.
- Installation and utilization of BGAN portable satellite systems to provide cellular coverage and internet connectivity.
- Brief remaining stationed employees in Puerto Rico and U.S. Virgin Islands on how to directly utilize FEMA managed Points of Distribution for ongoing needs for supplies and provisions.

The USFWS is now moving forward on planning and implementation for sustainment and recovery activities. Project Leaders and program leads will communicate needs and priorities with FWS Region 4 for review and support. This will include:

- Identifying immediate resource needs such as water, food, fuel and transportation.
- Addressing operational needs such as phones, email capability, internet connectivity.

- How to augment station staff to support recovery and coordinate with off-island staff to support programs and responsibilities currently in need due to limitations. Also supporting needs for emergency consultation at the JFO.
- Consider reconstitution needs including working with facilities managers to repair buildings and other infrastructure in need of longer term repairs.
- Address Continuity of Operations needs. Establish time lines with goals and strategies to carry out responsibilities moving forward.

All USFWS facilities are currently closed to the public and 100% staffed. Managers are assessing the situation and may open some of them on a part-time basis.

- Cabo Rojo: There is no major damage to the facilities. There is food and fuel, but the drinking water is still a shortage item. The refuge staff are beginning to transport water from the FEMA POD at Aguadilla to the refuge headquarters, so this should not be a long-term problem. They have partial power due to portable generators. The main generator is not functioning at full capacity, but refuge staff have identified the problem and working with the RO to get the parts to bring it up to full capability.

The refuge has communication via a BGAN. The BGAN is being leased from HughesNet by the Department for 2 months. Regional IT is trying to determine if they can extend the contract for the BGAN for a period after the 2 month current lease. Beyond 6 months, normal operations of communications infrastructure will hopefully be available.

- Culebra: There is no major damage to facilities. Fuel, food and water is provided by FEMA POD, and there is no shortage. There is no grid power, but they have generator power and satellite phone communication. One employee will travel between Culebra and Vieques to use computers at Vieques.
- Vieques: There is significant damage to structures at the Camp Garcia work center. The visitor center sustained only minor damage. Food, fuel and water is provided through the FEMA PODS. There is no grid power, but power from generators. The refuge has communication via a BGAN. The BGAN is being leased from HughesNet by the Department for 2 months. Regional IT is trying to determine if they can extend the contract for the BGAN for a period after the 2 month current lease. Beyond 6 months, normal operations of communications infrastructure will hopefully be available.
- Sandy Point: There is damage to the roof of the headquarters building with water intrusion damage to ceiling, walls and floors. It will need to be gutted and re-roofed. Food, fuel and water is provided through the FEMA PODS. There is no grid power, but powered is being by generator. Communication is limited, but they do have cell phone coverage at the refuge headquarters. The refuge is also in the process of utilizing a BAN satellite system.

## **Puerto Rico Parrot Program**

- El Yunque: 100% staffed. There is no major damage. Currently, on generator power. Food, fuel and water provided by FEMA PODS. Parrot food is being transported from the US via Conex from mainland and communication is by satellite phone.
- Rio Abajo and Miracao: There is major damage to cages, but these assets are the property of the Commonwealth of Puerto Rico. Food, water and fuel are provided by the FEMA PODS and communication is provided out of Cabo Rojo.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 16, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 16 at 5:00 a.m. EDT:

- Puerto Rico: Approximately 15-percent of the population has power across Puerto Rico and temporary power solutions continue to progress with 106 generators installed 187 generators available and 258 more en route. The next priorities are for the installation of several potable water pumps to be installed. HughesNet Systems are being installed at several sites within Puerto Rico. Seven sites have been installed to date providing voice and Wi-Fi for the public. There are public cellphone charging stations that have arrived and are deployed in 37 locations. Twenty-nine of the 51 Puerto Rico Aqueduct and Sewer Authority (PRASA) wastewater treatment plants are operational and 163 trailer loads (3M liters) of water were off loaded and warehoused at Port of Ponce for distribution. Expeditionary Medical Support System and US Marine Corps helicopters arrived to deliver medical teams and supplies to hospitals throughout Puerto Rico. USNS COMFORT conducted hospital operations in certain areas during the last 24 hours and an additional 23 medical teams are deployed to Puerto Rico to support communications and provide medical support. All ports are open, six ports with restrictions and ferry service to Vieques has resumed. Contractors continue to prevent further erosion to the Guajataca Dam by reinforcing it. The National Guard (NG) is engaged in all 78 municipalities to support commodities distribution.
- U.S. Virgin Islands: Grid power availability remains at 23-percent for St. Thomas, 17-percent for St. Croix, and zero-percent for St. John, with service expected to return within 3 to 4 weeks. Restoration supplies are on hand or en route, with 90-percent restoration projected for late December. There are now 71 generators installed, 49 available and 85 enroute. Three mobile cellular assets are augmenting the 44.6-percent of functioning cell sites to provide coverage to the islands. No major roadways are closed, and 95-percent of all roadways are passable. There were 481 drinking water system assessments completed to date. Two disaster recovery centers are now open in St. Croix. One QRT, National

Guard Military Police, and 268 emergency management law enforcement personnel continue to support the U.S. Virgin Islands.

## Wildland Fire Activity

### **Northern California Fire Activity**

Source: CAL Fire, DHS National Operations Center & Federal Emergency Management Agency - October 16, 2017

CAL Fire reported firefighters continued suppression efforts on the 15 wildfires burning across California. Reports indicate that there have been 40 fatalities as a result of the fire activity, and approximately 195,336 acres have been burned. It is estimated that 4,034 homes and other structures have been destroyed by the fire activity, and approximately 75,000 people remain evacuated. The California Department of Emergency Services reported there 53 shelters were open with 3,741 occupants statewide.

Red Flag Warnings for California have expired. The forecast is for highs in the 80's and winds up to 5 miles per hour (mph), with gusts up to 25 mph.

Some local roads have been closed, but no major lifeline routes have been affected. A boil water advisory has been issued for two Santa Rosa counties, Fountain Grove and Oakmont until further notice. Over 600 schools have been affected and two hospitals in Santa Rosa county remain evacuated.



IGEMS Image



# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 16, 2017

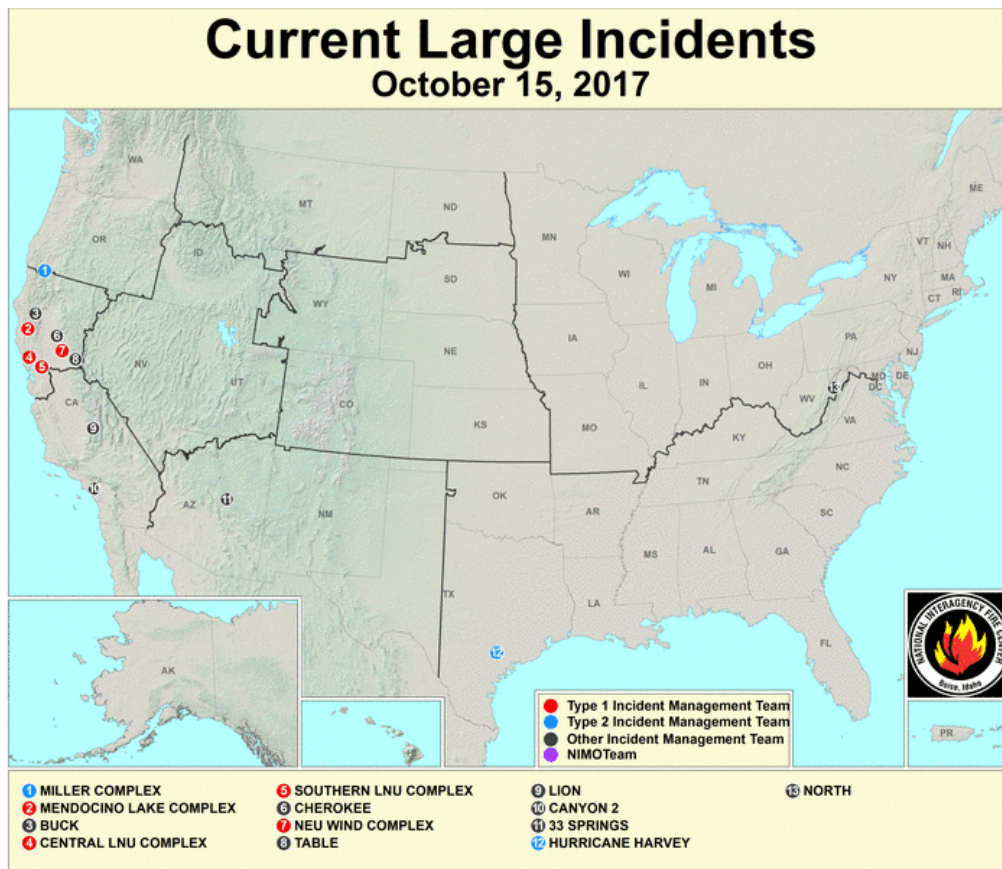
## National Preparedness Level 3

### National Fire Activity

Initial attack activity:	Light (55 new fires)
New large incidents:	1
Large fires contained:	0
Uncontained large fires: **	14
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	4
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Flooding in Chicago, Illinois**

Source: U.S. Geological Survey (USGS) - October 15, 2017

There has been a persistent, but narrow, band of storms that dropped over 7" of rain in Chicago and surrounding suburbs over the last 24 hours. As of Sunday, USGS had 9 gages in Chicago at or above flood stage. Two USGS crews were deployed Sunday morning, with additional personnel likely being deployed, to conduct discharge measurements and verify peaks. All streamgages are currently working and no rapid deployment gages (RDGs) are needed. USGS is communicating with the National Weather (NWS), the U.S. Army Corps of Engineers (USACE), and other local partners and responding to their needs.

## **Volcano Activity**

### **Cleveland Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 15, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland Volcano continued during this reporting period, but it is unclear if lava effusion has paused. No activity was observed in mostly cloudy satellite and web camera views during the reporting period.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 15, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. A magnitude 3.4 earthquake occurred Saturday evening, near the town of Volcano, and produced several smaller aftershocks. Seismicity otherwise occurred at normal rates.

## **Significant National Weather**

Source: National Weather Service - October 16, 2017

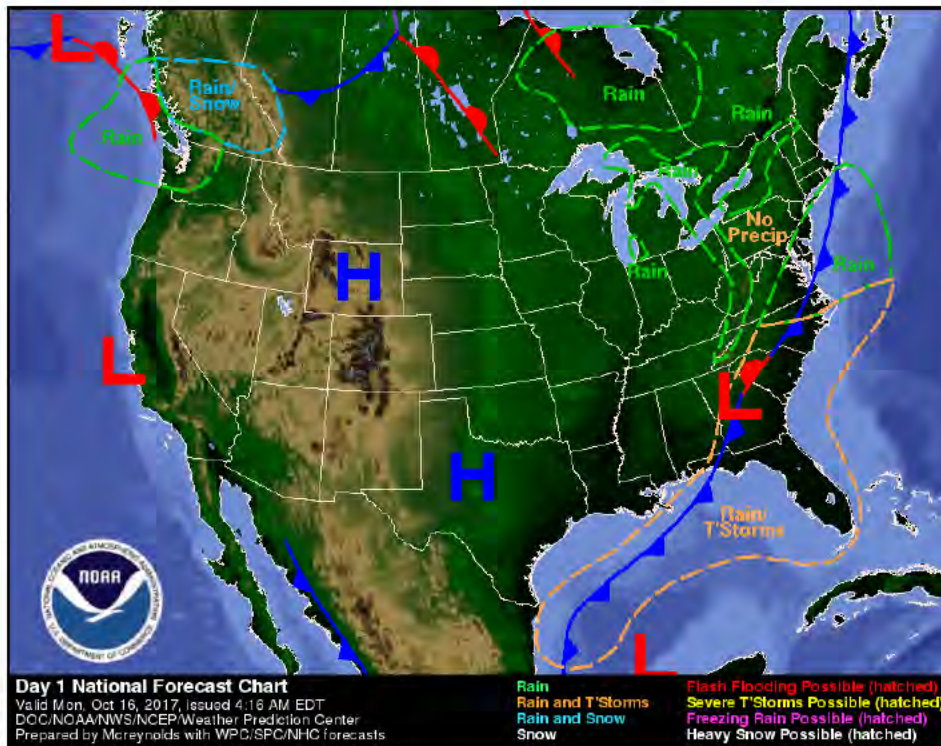
### **Today**

A frontal system will stretch from the Canadian Maritimes southwest through the Carolinas to a wave of low pressure over Georgia and then continue to the western Gulf of Mexico. Rain and thunderstorms are expected across portions of the Carolinas, Southeast, Florida, and the Gulf of Mexico. Rain is likely for the East Coast from Cape Cod and Long Island to northeastern North Carolina. More rain will be possible for the central Appalachians, upper Ohio River Valley, eastern Great Lakes, upstate New York, and portions of the central Great Lakes. Dry weather is

expected from the Mississippi River west to the West Coast. The only exceptions will be a few rain showers across the western parts of Wyoming.

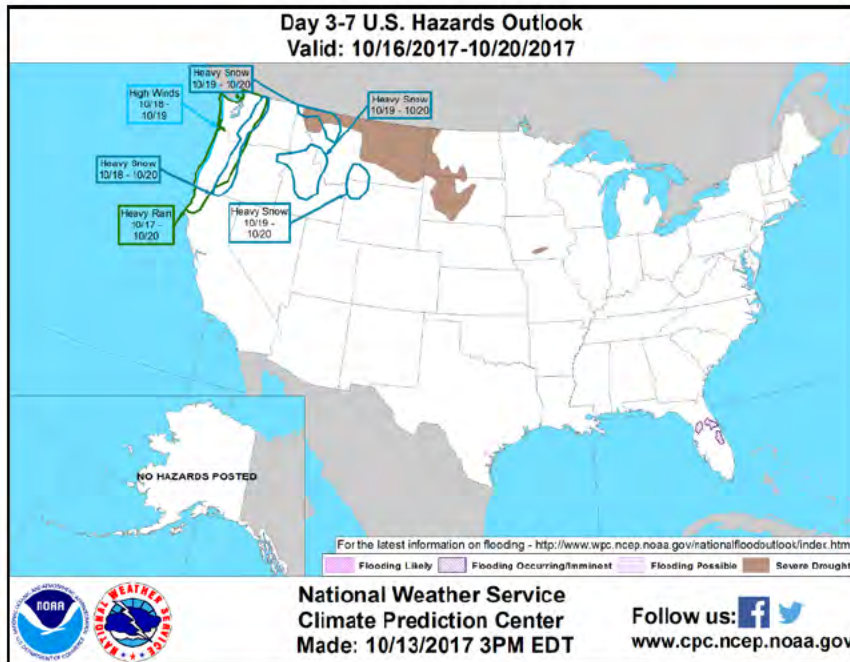
## Tomorrow

An East Coast frontal system will mostly sweep off into the Atlantic; however, the tail end will stretch across the southern tip of Florida. Rain and thunderstorms will be found across portions of the Southeast coast and the Florida peninsula. A few rain showers will be possible for far northern Maine. Out West, a cold front will drop into the Pacific Northwest. Rain is possible for the lower elevations while rain and snow are likely for the higher elevations. Elsewhere, high pressure will dominate the weather across most of the CONUS producing dry weather from coast to coast.

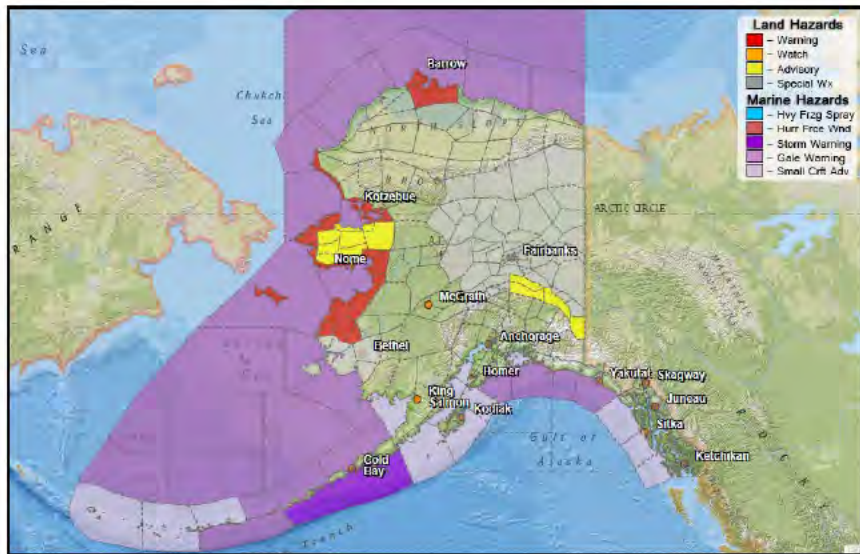


## Weather Hazard Assessment

- October 18-19: High winds for coastal sections of Washington and Oregon.
- October 17-20: Heavy rain for the coastal Pacific Northwest and northern California.
- October 18-20: Heavy snow for the higher elevations of the Cascades.
- October 19-20: Heavy snow for parts of the northern Rockies, the Bitterroots, and the Columbia Plateau.
- October 21-22: Heavy rain for parts of western Washington and western Oregon.
- October 21-22: Heavy snow for parts of the Cascades, the Bitterroots, the Columbia Plateau, and the northern Rockies.

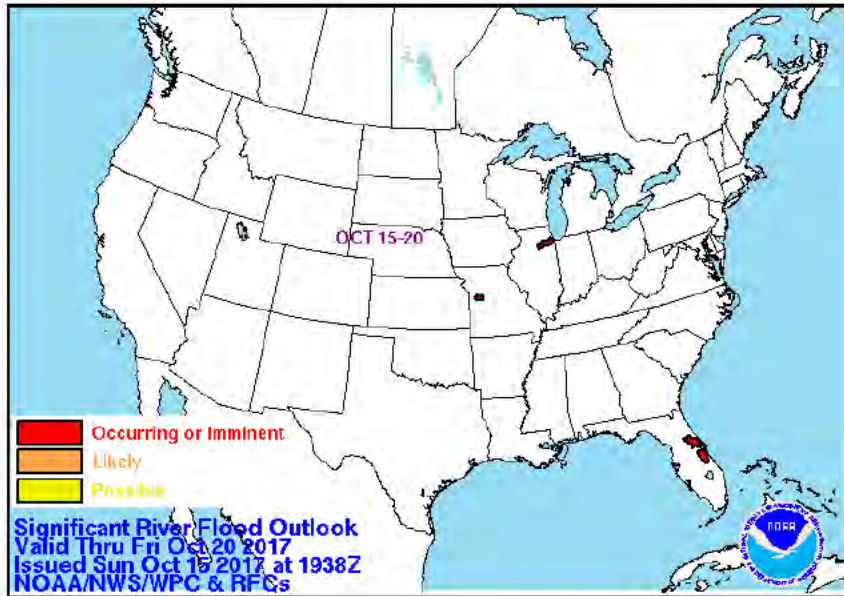


## Alaska Weather



A Gale Warning is in effect today in portions of the central and western Aleutians, and the southern Bering Sea. There is a Storm Warning in effect from Kiska to Seguam in the Aleutians. A Small Craft Advisory is in effect for portions the eastern Aleutians, the central and eastern Gulf of Alaska, the St. Matthew Island waters, and from Wales to Point Franklin.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, southern Texas, western Missouri, and northeastern Illinois.

## Severe Weather

There is no severe thunderstorm areas forecast for today for the U.S.

## Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



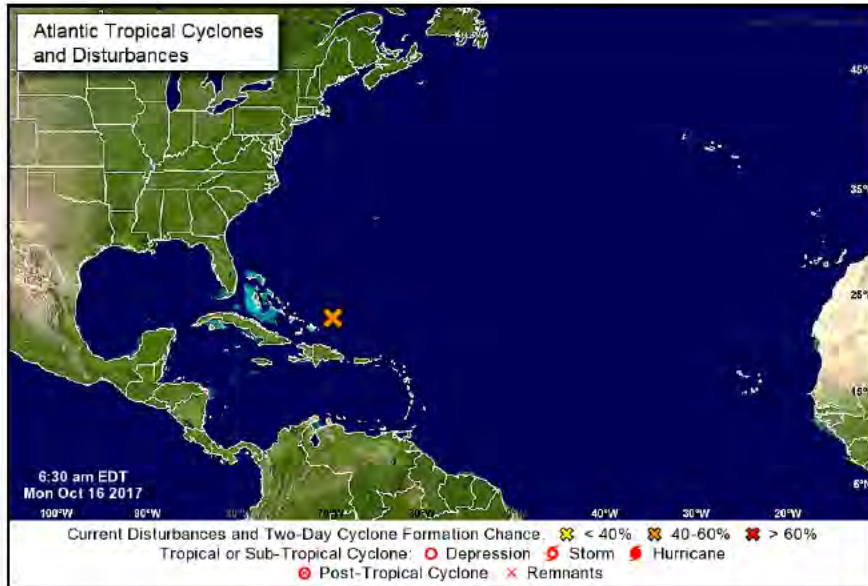
Critical Fire Weather is forecast for today for portions of southeastern Wyoming. Elevated Fire Weather exists from outside of the Critical Weather extending into portions of western Nebraska.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 16, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

##### **Area 1**



A low pressure system located about 100 miles east-northeast of the Turks and Caicos Islands is gradually becoming better defined. Associated thunderstorm activity has increased and become a little better organized this morning, and gale-force winds have been occurring in squalls northeast of the center. While some development of this low will be possible during the next day or so as it moves generally northward over the western Atlantic, upper-level winds are expected to become unfavorable for tropical cyclone formation by late Tuesday, and the system is likely to merge with a front and become extratropical on Wednesday. This system has a near 40-percent chance of developing into a tropical cyclone over the next 48 hours.

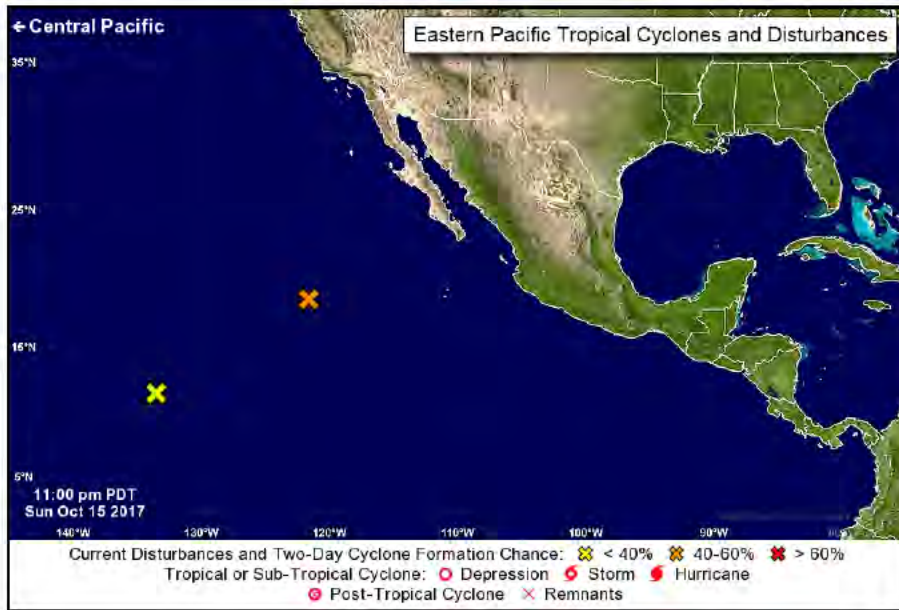
#### **Eastern Pacific Ocean**

##### **Area 1**

Shower and thunderstorm activity associated with a low pressure system located about 800 miles west-southwest of the southern tip of the Baja California peninsula has changed little over the past several hours. This system is forecast to move west-northwestward or northwestward into less conducive environmental conditions today, and the chance of this system becoming a tropical cyclone appears to be decreasing. This system has a 50-percent chance of developing into a tropical cyclone during the next 48 hours.

## Area 2

Another low pressure area located about 1,500 miles east-southeast of the Hawaiian Islands is producing disorganized showers and thunderstorms. Strong upper-level winds and proximity to dry air are expected to inhibit significant development of this system while it moves westward at 10 to 15 mph during the next couple of days. This system has a 10-percent chance of developing into a tropical cyclone during the next 48 hours.



## Other News and Notes

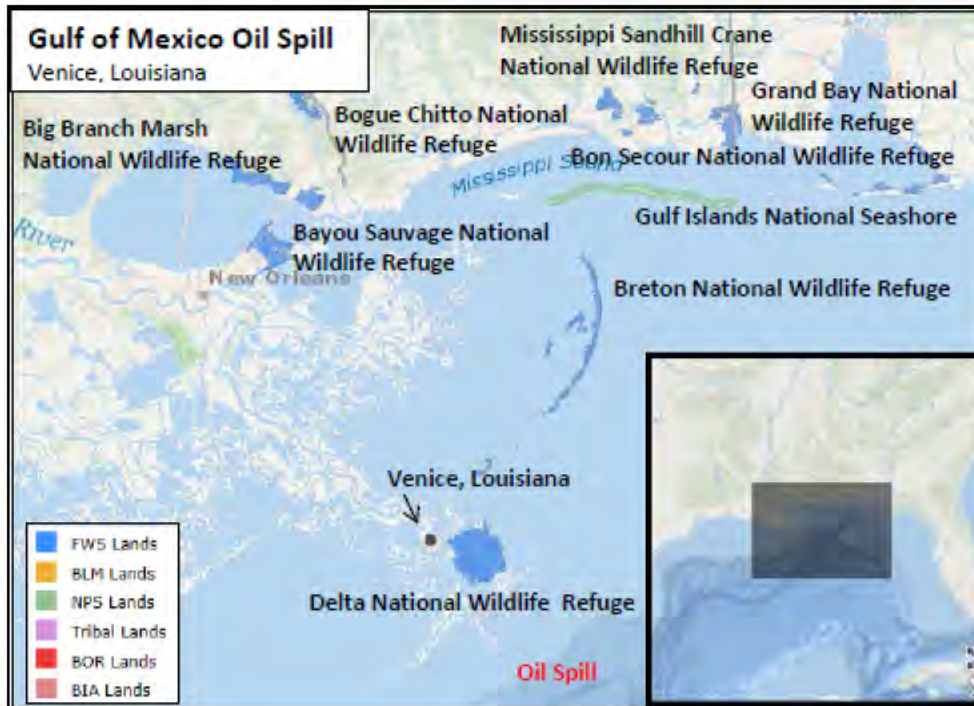
### Offshore Oil Spill - Gulf of Mexico

Source: U.S. Coast Guard Press Release – October 15, 2017

The U.S. Coast Guard (USCG) is responding to the report of a crude oil spill in the Gulf of Mexico. The USCG Sector New Orleans received a report from the National Response Center at 1:30 p.m., Friday of a discharge from a damaged pipeline associated with a subsea well approximately 40 miles southeast of Venice, Louisiana. The pipeline, which is operated by LLOG Exploration, has been secured. LLOG Exploration reported that the volume of oil released is estimated to be between 333,900 and 392,700 gallons. Initial overflights identified three light sheens in the vicinity.

Two response vessels from Clean Gulf Associates and the Marine Spill Response Corporation are on the scene. The USCG and contract aircraft are continuing to conduct overflights of the area. The USCG is coordinating with the responsible party, the Bureau of Safety and Environmental Enforcement (BSEE), and the National Oceanic and Atmospheric Administration (NOAA) to locate and respond to any oil that reaches the surface. There has been no sightings of recoverable oil. Initial trajectory models calculated by the responsible party and NOAA indicate that any surface oil is expected to move in a southwesterly direction and is not expected to impact the shoreline.

There are four wells affected, and inspectors reported proper isolation of the subsea wells affected by the incident. All wells are shut in with all tree valves closed on two of the wells. The Interior Operations Center will monitor the situation. Currently, there are no DOI assets being affected.



*\*End of Report\**

**Distribution:**

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- Deputy Assistant Secretaries
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- Select Individuals/Interagency Partners



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As of 8:00 a.m. EDT, Tuesday, October 17, 2017

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**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 17, 2017*

Life safety and life sustainment efforts in Puerto Rico and the U.S. Virgin Islands are ongoing. A tropical wave is moving away from Puerto Rico and U.S. Virgin Islands, however the southern end of the wave will bring more rain to islands through Wednesday. Scattered showers and thunderstorms, capable of heavy rainfall, cloud to ground lightning, and localized flash flooding are expected through tomorrow. Multiple flash flood warnings and flood advisories are impacting eastern half of Puerto Rico and all of the U.S. Virgin Islands until this evening. A flash flood warning remains for the area of Guajataca Dam, northern and eastern sections of Puerto Rico, as well as all of U.S. Virgin Islands, which can expect an additional 2-4 inches of rain. Southern and western Puerto Rico will have lighter, more scattered activity (less than 2 inches). With heavy bursts of rainfall there is an increased potential of river and small stream flooding, mudslides and rock falls. A drier pattern is setting up later this week for the entire theater.

The U.S. Army Corps of Engineers reports interim risk reduction efforts continue at the Guajataca Dam. Water has stopped flowing over the spillway and no water has been observed flowing through spillway drains. Work to prepare the dam's 54 inch conduit for operations continues with rip rap rock armoring remains to be completed and is expected to be operational

by 18 Oct. Once completed, the conduit will assist in drawing down the dam's water level which will be necessary before spillway repairs can begin

**DOI Response and Recovery Efforts Personnel Numbers as of October 16, 2017**

There are a total of 120 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 85 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 241 DOI personnel that remain at their home stations in Puerto Rico or the U.S. Virgin Islands.

<b>Personnel Supporting FEMA Interagency Response and Recovery Efforts</b>													
<b>As of October 16, 2017 at 7:00 p.m. EDT</b>													
<b>Function</b>	<b>Location</b>	<b>BIA</b>	<b>BLM</b>	<b>BOEM</b>	<b>BSEE</b>	<b>FWS</b>	<b>NPS</b>	<b>OEPC</b>	<b>OIG</b>	<b>OS</b>	<b>USGS</b>	<b>ONRR</b>	<b>Total</b>
<b>ESF-1 Transportation</b>	CONUS												0
	Puerto Rico					1							1
	U.S. Virgin Islands					1							1
<b>ESF-4 Firefighting</b>	CONUS		1										1
	Puerto Rico	3	13			6	8						30
	USVI		7				1						8
<b>ESF-5 Emergency Management</b>	CONUS									2	15		17
	Puerto Rico										5		5
	USVI									3			3
<b>ESF-8 Public Health &amp; Medical Services</b>	CONUS						2						2
	Puerto Rico												0
	USVI												0
<b>ESF-10 Oil &amp; Hazardous Materials</b>	CONUS							1					1
	Puerto Rico												0
	USVI												0
<b>ESF-11 Agriculture &amp; Natural Resources</b>	CONUS							1					1
	Puerto Rico												0
	USVI												0
<b>ESF-13 Public Safety &amp; Security</b>	CONUS												0
	Puerto Rico	4	8				1						13
	USVI												0
<b>DHS Surge Capacity Force</b>	CONUS		1	2		4	8					2	17
	Puerto Rico		2	1		1	1		2				7
	USVI		1		1		4		1		2		9
<b>NCR RSF</b>	CONUS							4					4

	Puerto Rico													0
	USVI													0
<b>Totals</b>		7	33	3	1	13	25	6	3	5	22	2	120	

**DOI Support to FEMA Interagency Response and Recovery Efforts for Irma and Maria**

**Emergency Support Function (ESF) #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had four personnel retrieving storm surge sensors performing high water mark (HWM) flagging and surveying in Puerto Rico under Mission Assignment (MA) PR-17090102-USGS-01. One person is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01 (ESF 5).

**DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, Florida, Alabama, and Georgia. The OEM is working with FEMA to deploy an additional 55 DOI employees on October 18.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts</b>				
<b>As of October 16, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	0	0	2	2
St. John	0	0	12	12
St. Thomas	0	0	0	0
Puerto Rico	10	19	42	71
<b>Totals</b>	10	19	56	85

<b>Personnel Stationed and Remaining in Place</b>						
<b>As of October 16, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	30	96	186
<b>Totals</b>	2	1	61	30	147	241

## **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

### **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 16, 2017*

The USGS has 25 personnel in the field assessing damage and repairing gages. A total of 83 precipitation gages were initially knocked offline, damaged, or destroyed. Fifty-six of those gages have been repaired or rebuilt, while eleven gages were totally destroyed. Four Rapid Deployment Gages (RDGs) have been deployed to supplement existing streamgaging network. At least nine gages will need a secondary visit to assess the scope of repairs needed.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 16, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 17 at 5:00 a.m. EDT:

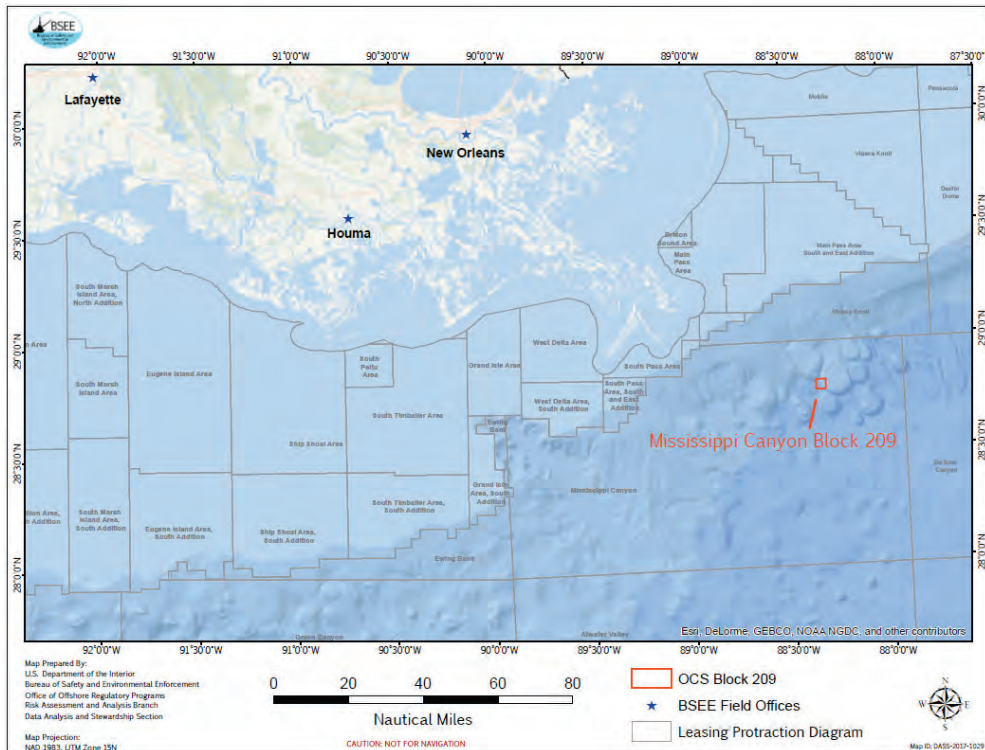
- *Puerto Rico:* The unified efforts from the Department of Energy, the U.S. Army Corps of Engineers, Puerto Rico Electric Power Authority (PREPA) and the private sector continue. Estimated customers receiving power is at 14 percent with 95 percent of Puerto Rico to be restored by December 15. Temporary power solutions continue to progress: 113 generators have been installed with 253 generators available and 175 en route. Palo Seco Power Plant is providing a more reliable power source, two 30 Mw generators are currently being installed with reliable power to the majority of the City of San Juan expected on October 25. A temporary National Weather Service radio link between San Juan and Mayaguez will provide an Emergency Alert System on the west side of the island. There are 30 of the 51 Puerto Rico Aqueduct and Sewer Authority (PRASA) wastewater treatment plants operational. The 14th Combat Support Hospital at Humacao attained full operating capability with a 44-bed facility including an intensive care unit and two operating rooms. *USNS Comfort* has treated over 100 patients to date and is currently conducting logistics and medical support operations in Arecibo and Aguadilla. Contractors continue to reinforce the Guajataca Dam to prevent further erosion. National Guard units are operating five water purification sites (Aguadilla, Guajataca Lake, Jayuaya, Roosevelt Roads, and Canovanas) the Comerio site is awaiting certification. Mercedita International Airport in Ponce is expected to be closed until October 23 due to flooding.
- *U.S. Virgin Islands:* Grid power serves 15.6-percent of the population for St. Thomas, 1.6-percent for St. Croix, and zero-percent for St. John. Restoration supplies are on hand or en route with a 90 percent restoration projected for late December. There are now 74 generators installed, 14 installations in progress, 51 available, and 86 en route. A Hughes Net system that enables voice and Wi-Fi capabilities was installed at Farmers Market Disaster Recovery Center (DRC) on St. Thomas. A satellite system was installed at the DRC in Frederikstead, St. Croix. There have been 488 drinking water system

assessments completed to date. Two Disaster Recovery Centers are scheduled to open on St. Thomas today, October 17.

## Oil Spill - Gulf of Mexico

### **Bureau of Safety and Environmental Enforcement (BSEE) Update**

*Source: BSEE Press Release, US Coast Guard - October 16, 2017*



*BSEE Graphic*

On October 16, the BSEE Gulf of Mexico Region Director initiated a Panel Investigation into an oil release from subsea infrastructure located about 40 miles southeast of Venice, Louisiana, in water 4,463 feet deep. The five-member panel is made up of inspectors, engineers, and accident investigators. At the conclusion of their investigation, the panel will issue a report that will contain findings, make recommendations and identify any potential violations for consideration by BSEE enforcement staff. BSEE inspectors traveled to LLOG's Delta House platform on October 13 to begin an initial inspection and investigation. The BSEE panel will continue coordinating with LLOG and the U.S. Coast Guard to complete the investigation.

The flowline release, which began October 11 in an area identified as Mississippi Canyon 209, was reported by offshore oil and gas operator LLOG Exploration Offshore, LLC. By October 12, the well was shut in and the flow through the fracture in the pipe has ceased, but the estimated unaccounted oil volume is in the range of 7,950 to 9,350 barrels (333,900 and 392,700 gallons). Initial trajectory models calculated by the responsible party and NOAA indicate that any surface oil is expected to move in a southwesterly direction and is not expected to impact the shoreline. On October 13, LLOG reported that there was no recoverable oil on the surface, but

two skimming vessels sourced from Clean Gulf Associates and Marine Spill Response Corporation are on location and are prepared to respond.

### **Lake Pontchartrain Oil Platform Explosion**

Source: Office of Environmental Policy and Compliance, US Coast Guard, Clovelly Oil Company- October 16, 2017



IGEMS

On October 15, the U.S.Coast Guard (USCG) Sector New Orleans received a report from a witness of an oil platform explosion in Lake Pontchartrain near Kenner, Louisiana. The Coast Guard is continuing to coordinate search efforts for a missing man after the event. The fire on the platform, which is owned by Clovelly Oil Co., has been extinguished. It was reported by one of the platform workers that eight people were aboard at the time of the explosion, and one person did not make it to shore. The seven people who made it to shore were taken to local hospitals.

On October 16, USCG Air Station New Orleans launched an MH-65 Dolphin Helicopter crew at 8:00 a.m. EDT to continue searching for the man and to look for any signs of pollution caused by the explosion; however, no visible pollution was observed. The Coast Guard suspended the search for the missing man on Monday night.

Clovelly Oil Company issued a statement on October 16 regarding the incident.

“The platform's three oil wells were shut-in at the time of the incident and remain shut-in. The only gas well was flowing, but was successfully shut-in shortly after the explosion. Clovelly does not know if any oil was discharged into the lake. The cause of the explosion and fire is

unknown. At the time of the incident, routine maintenance was being conducted on the platform. Clovelly has activated its emergency response plan, mobilizing equipment and personnel to assess and address the incident and has notified all appropriate state and federal agencies. Clovelly is cooperating with all federal/state agencies, including the Bureau of Safety and Environmental Enforcement (BSEE), under an approved plan.”

The oil line has a maximum potential of 100 barrels of oil per day and the natural gas line has a maximum potential of 300 metric cubic feet per day. The Office of Environmental Policy and Compliance (OEP) is coordinating response activities with the USCG, the Environmental Protection Agency (EPA), and the United States Fish and Wildlife Service (FWS). The EPA has not received any reports of release into the water and air monitoring activities are being conducted.

## **Wildland Fire Activity**

### **Northern California Fire Activity**

*Source: FEMA Region IX DSAR, CALFIRE and DHS NOC - October 16, 2017*



*IGEMS Image*

The Governor of California has declared a State of Emergency for nine counties and the State Emergency Operations Center is at Full Activation. There are 14 American Red Cross and independent shelters open with 2,829 occupants. The California Department of Forestry and Fire Protection (CAL FIRE) reports 41 confirmed fatalities.

CAL FIRE reported 11,000 firefighters are making significant progress towards the containment of 14 large wildfires across California. At least 213,000 acres have burned, with an estimated 5,700 structures destroyed. As progress has been made on several fronts, many evacuations have been lifted; however, over 40,000 people remain evacuated.

Red Flag Warnings for California have expired. The forecast is for highs in the 80's and winds up to 5 miles per hour (mph), with gusts up to 25 mph. Smoke from the wildfires is affecting the air quality throughout central California and an air quality alert will remain in effect for the next few days.

Some local roads have been closed, but no major lifeline routes have been affected. A boil water advisory has been issued for Napa and Santa Rosa counties. Both the Kaiser Permanente Hospital and the Sutter Hospital in Santa Rosa remain evacuated and closed.

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 17, 2017*

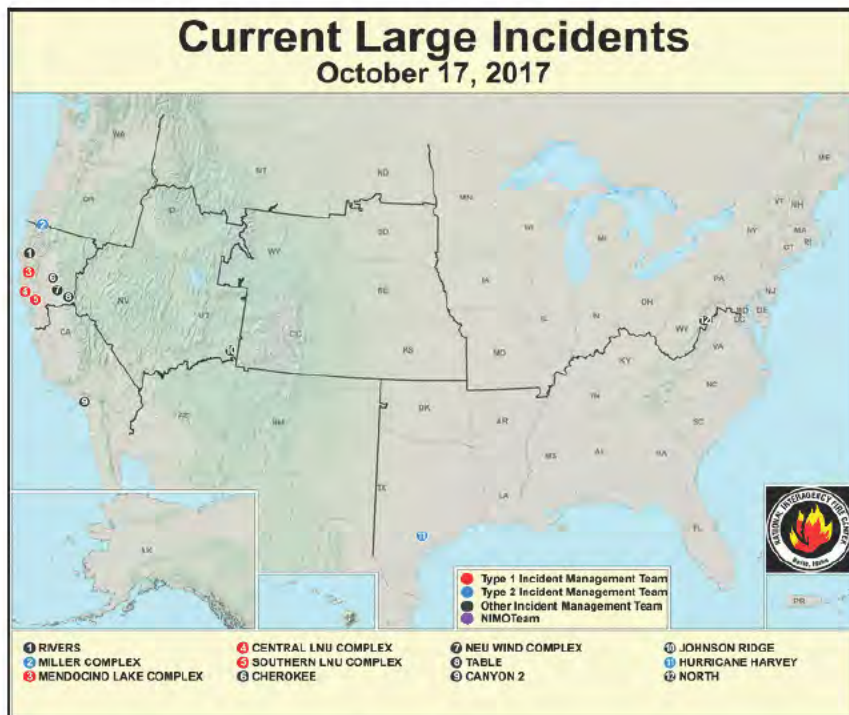
**National Preparedness Level 3**

**National Fire Activity**

Initial attack activity:	Light (76 new fires)
New large incidents:	1
Large fires contained:	3
Uncontained large fires: **	12
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**





## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland volcano continues, and moderately elevated surface temperatures were observed in two satellite images. A small steam plume was observed in mostly clear web camera views over the past day. This data may suggest that lava dome growth continues at the summit. No significant activity related to lava effusion was observed in seismic data and no explosive activity was detected in infrasound data over the past day.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## **Significant National Weather**

*Source: National Weather Service - October 17, 2017*

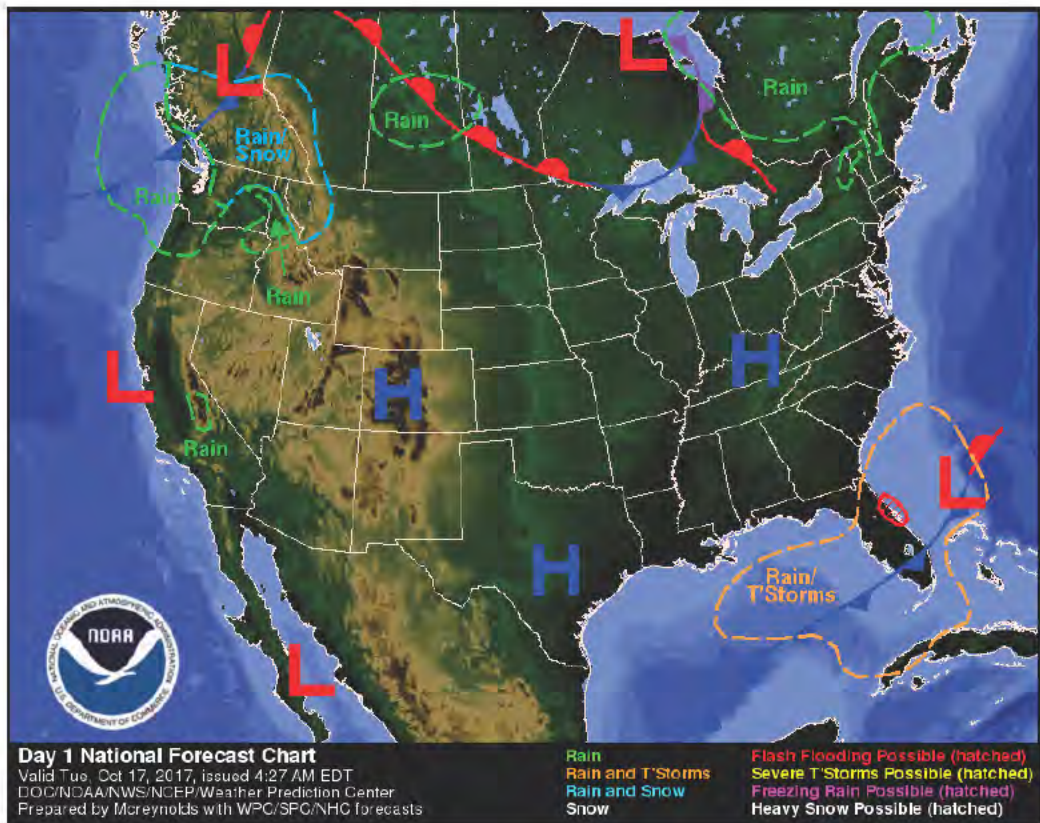
### **Today**

A cold front stretching across southern Florida will produce showers and thunderstorms for the peninsula and a small portion of the Georgia coast. Rain for the east-central Atlantic coast could be heavy and flash flooding is a threat. To the north, rain showers are likely for northern New England. Westward, a cold front is poised to dive into the Pacific Northwest. Rain and snow will develop across the Canadian Rockies, northern Cascades, and far northern Rockies. Rain is likely for the southern Cascades, the Washington and Oregon coastal regions, and a few of the interior mountain ranges. Rain showers are also possible for parts of the southern Sierras. Elsewhere, high pressure will produce fair and dry conditions from the Rockies to the East Coast.

### **Tomorrow**

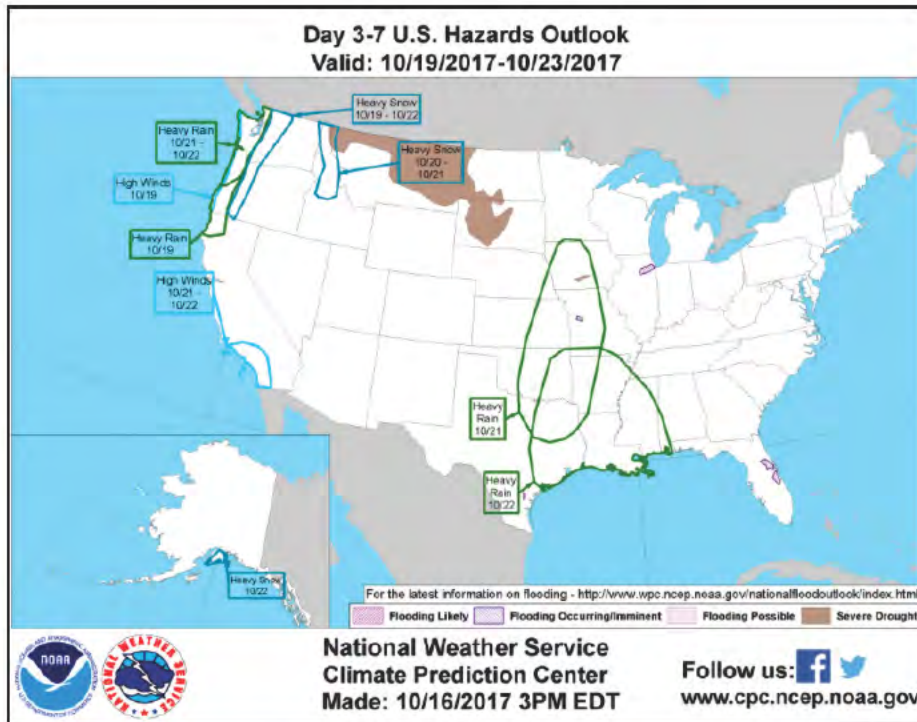
A stationary front will be stretched across the southern tip of Florida. This system will produce showers and thunderstorms across most of Florida and the immediate southeastern coastal regions. Light rain showers are possible for the central Texas Gulf coastal regions and for central Arizona. A frontal boundary will stretch across the central Northwest, through the northern Rockies, and into the eastern Dakotas. Rain and snow will continue across the northern

Cascades, far northern Rockies, and Canadian Rockies. Rain is forecast for the Northwest coastal areas into the central valley regions. Elsewhere, high pressure will continue to produce fair and dry weather from coast to coast.

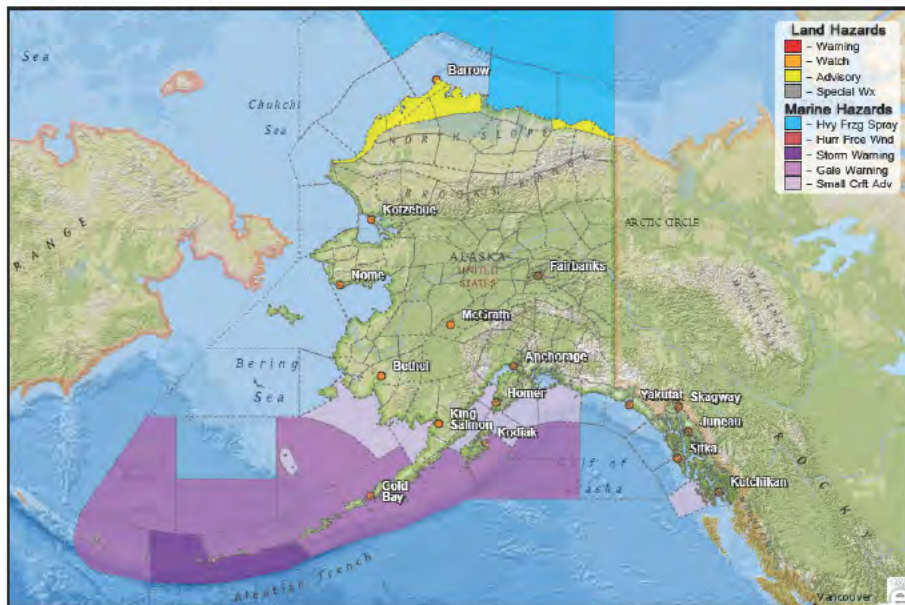


### Weather Hazard Assessment

- October 19: Heavy rain across portions of northern California and the Pacific Northwest.
- October 19: High winds across coastal portions of the Pacific Northwest.
- October 19-22: Episodes of heavy snow across high elevation areas of the Cascades.
- October 20-21: Heavy snow across portions of the northern Rockies.
- October 21: Heavy rain across portions of the central and southern Plains, and the Mississippi Valley.
- October 21-22: Heavy rain across portions of the Pacific Northwest.
- October 21-22: High winds across parts of southern California.
- October 22: Heavy snow across portions of the Kenai Peninsula.
- October 22: Heavy rain across portions of the Southeast, the lower Mississippi Valley, the southern Plains, and the Tennessee Valley.

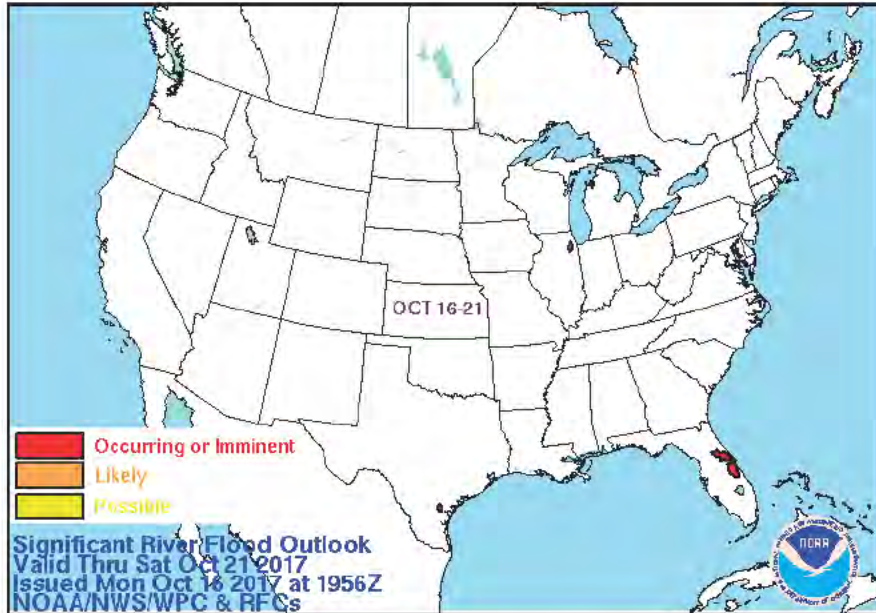


### Alaska Weather



A Gale Warning is in effect today throughout the Aleutians Islands, and the western Gulf of Alaska. There is a Storm Warning in effect from Kiska to Nikolski in the Aleutians. A Small Craft Advisory is in effect from the Dixon Entrance to Cape Decision, Cape Suckling to the Barren Islands East, Bristol Bay, the Kuskokwim Delta and Etolin Strait, and the Pribilof Islands. There is a Winter Weather Advisory across the northern Alaskan coast. A Heavy Freezing Spray Warning is in effect throughout the Arctic Circle waters and from Cape Halkett to Demarcation Point.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida, southern Texas, and northeastern Illinois.

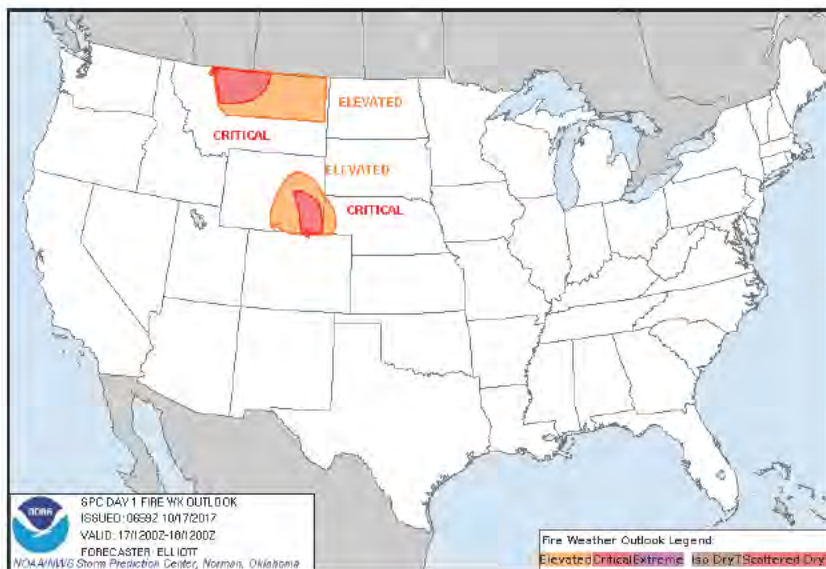
## Severe Weather

There is no severe thunderstorm areas forecast for today for the U.S.

## Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

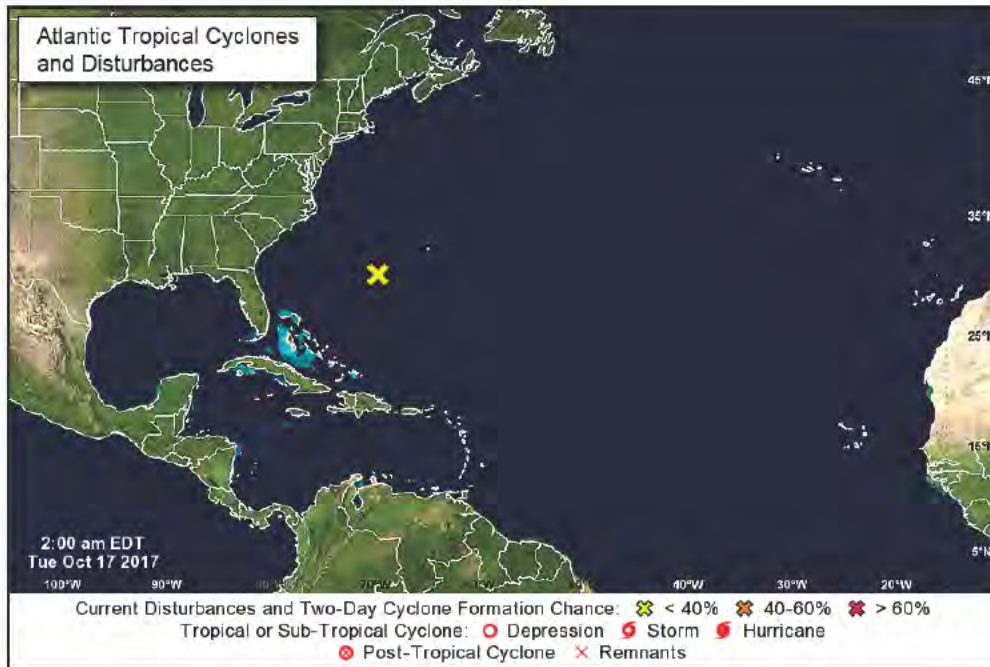


Critical Fire Weather is forecast for today for portions of southeastern Wyoming and northern Montana. Elevated Fire Weather exists in portions of southeastern Wyoming, far western Nebraska, and northern Montana.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 17, 2017

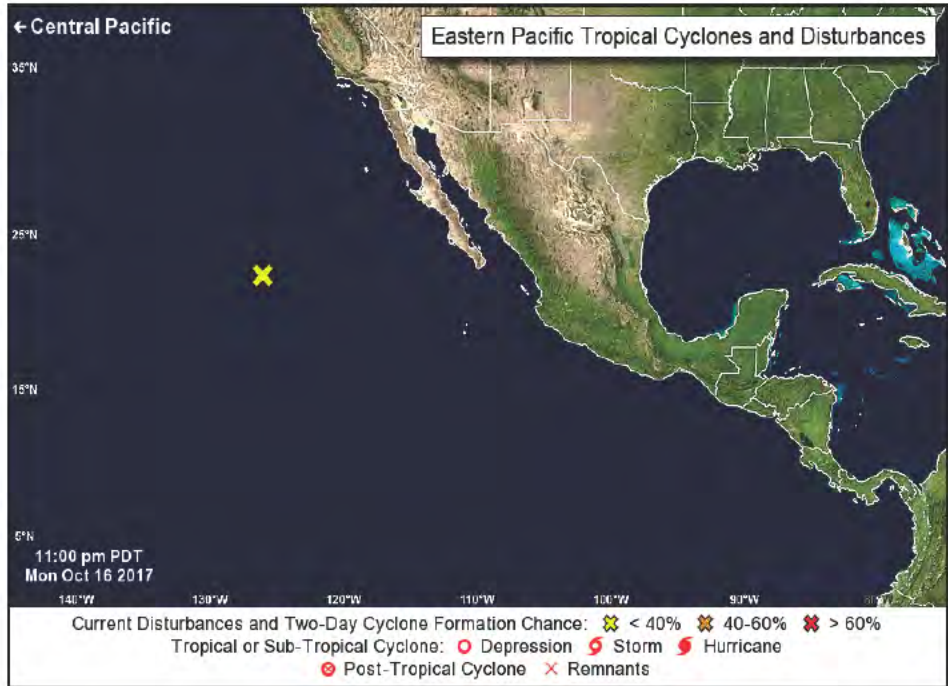
#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



A sharp surface trough of low pressure lies over the southwestern Atlantic Ocean, with an associated area of disorganized showers and thunderstorms extending from Puerto Rico northward to near Bermuda. Although tropical cyclone development is becoming less likely due to strong upper-level winds, this disturbance is forecast to merge with a cold front over the western Atlantic by tonight, and a non-tropical area of low pressure is expected to develop along the front and move toward the north Atlantic during the next few days. This system has a 20-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **Eastern Pacific Ocean**

A low pressure area located about a thousand miles west of the southern tip of the Baja California peninsula is producing a small area of showers and thunderstorms well to the east of its center of circulation. Since the low has moved over colder waters and will continue to be affected by strong upper-level winds, development of this system is not expected while it moves northwestward at 5 to 10 mph. This system has a 10-percent chance of developing into a tropical cyclone during the next 48 hours.



***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, October 18, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: Federal Emergency Management Agency Leadership Brief – October 17, 2017*

A Flash Flood Watch remains in effect for all of Puerto Rico and the U.S. Virgin Islands through Wednesday evening. Scattered to numerous showers and thunderstorms are expected across the islands Wednesday. Some of the storms will contain heavy downpours and cloud to ground lightning which may impact response and recovery operations. Soil conditions remain saturated in many locations and additional heavy rainfall may lead to a high risk of river and small stream flooding, mudslides, and rock fall. High temperatures will likely reach the upper 80s to near 90 degrees with heat index values ranging from 90 to 100.

### **DOI Response and Recovery Efforts Personnel Numbers as of October 16, 2017**

There are a total of 119 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 84 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 241 DOI personnel that remain at their home stations in Puerto Rico or the U.S. Virgin Islands.

This will be a final reporting for the table listing DOI personnel numbers in support of FEMA interagency response and recovery missions, as well as the tables listing DOI personnel deployed or remaining in place. Effective October 18, FEMA will transition to a modified Level III

operational posture. As a result of this operational status change, the DOI NRCC desk at FEMA closed out operations effective at 8:00 p.m. on October 17.

<b>Personnel Supporting FEMA Interagency Response and Recovery Efforts</b>													
<b>As of October 17, 2017 at 7:00 p.m. EDT</b>													
<b>Function</b>	<b>Location</b>	<b>BIA</b>	<b>BLM</b>	<b>BOEM</b>	<b>BSEE</b>	<b>FWS</b>	<b>NPS</b>	<b>OEPC</b>	<b>OIG</b>	<b>OS</b>	<b>USGS</b>	<b>ONRR</b>	<b>Total</b>
<b>ESF-1 Transportation</b>	CONUS												0
	Puerto Rico					1							1
	U.S. Virgin Islands					1							1
<b>ESF-4 Firefighting</b>	CONUS		1										1
	Puerto Rico	3	13			6	8						30
	US Virgin Islands		7				1						8
<b>ESF-5 Emergency Management</b>	CONUS									2	15		17
	Puerto Rico										5		5
	US Virgin Islands									3			3
<b>ESF-8 Public Health &amp; Medical Services</b>	CONUS						2						2
	Puerto Rico												0
	US Virgin Islands												0
<b>ESF-10 Oil &amp; Hazardous Materials</b>	CONUS							1					1
	Puerto Rico												0
	US Virgin Islands												0
<b>ESF-11 Agriculture &amp; Natural Resources</b>	CONUS							1					1
	Puerto Rico												0
	US Virgin Islands												0
<b>ESF-13 Public Safety &amp; Security</b>	CONUS												0
	Puerto Rico	4	8				1						13
	US Virgin Islands												0
<b>DHS Surge Capacity Force</b>	CONUS		1	2		4	8					2	17
	Puerto Rico		2	1		1	1		2				7
	US Virgin Islands		1		1		4		1		2		9
<b>NCR RSF</b>	CONUS							3					3
	Puerto Rico												0
	US Virgin Islands												0
<b>Totals</b>		<b>7</b>	<b>33</b>	<b>3</b>	<b>1</b>	<b>13</b>	<b>25</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>22</b>	<b>2</b>	<b>119</b>



## **DOI Support to FEMA Interagency Response and Recovery Efforts for Irma and Maria**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- **ESF #5 - United States Geological Survey (USGS):** The USGS had four personnel retrieving storm surge sensors performing high water mark (HWM) flagging and surveying in Puerto Rico under Mission Assignment (MA) PR-17090102-USGS-01. One person is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01.

### **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-three employees from DOI bureaus and offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, Florida, Alabama, and Georgia. The OEM is working with FEMA to deploy an additional 59 DOI employees on October 22.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of October 17, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	0	0	2	2
St. John	0	0	12	12
St. Thomas	0	0	0	0
Puerto Rico	10	18	42	70
<b>Totals</b>	<b>10</b>	<b>18</b>	<b>56</b>	<b>84</b>

<b>Personnel Stationed and Remaining in Place As of October 17, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	30	96	186
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>61</b>	<b>30</b>	<b>147</b>	<b>241</b>

## **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

### **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 16, 2017*

The USGS had 28 personnel yesterday assessing damage and repairing gages in Puerto Rico. Gage repairs in Puerto Rico are fluctuating daily due to new damage from additional rainfall, vandalism, and theft. Given the constant fluctuations in numbers are not hurricane related, these numbers will no longer be reported.

## **Office of Environmental Policy and Compliance (OEPC) Update**

*Source: DOI Office of Environmental Policy and Compliance - October 17, 2017*

### ***Oil Spill:***

Copies of the current *Resource Protection Best Management Practices for the Hurricane Maria ESF-10 Response* have been provided to the Incident Command for U.S. Virgin Islands. A National Historic Preservation Act (NHPA) Section 106 Emergency Consultation letter has been submitted to the U.S. Virgin Islands State Historic Preservation Officer (SHPO) for their review. OEPC submitted a Pollution Removal Funding Authorization to the U.S. Coast Guard (USCG) to fund a U.S. Fish and Wildlife Service (USFWS) position for U.S. Virgin Islands.

### ***Abandoned Vessels:***

OEPC, the Office of Emergency Management, the Office of the Solicitor, and bureaus have begun examining the possible use of an Interagency Agreement (IAA) with the USCG. The agreement would allow USCG to mitigate pollution threats and remove the vessels with USCG responsible for pollution mitigation costs and DOI reimbursing for costs associated with removal of all vessels off DOI lands, even if they don't pose a substantial threat to the environment.

## **DOI Office of Emergency Management Liaison Update**

*Source: DOI Liaison Report - October 17, 2017*

The DOI Liaison to the FEMA Joint Field Office concluded the debris and vessel response visit to St. John and is returning to Puerto Rico today. The Liaison successfully worked with the National Park Service Incident Management Team and OEPC to identify challenges and develop a plan of action to assess and remove storm damaged vessels within the Virgin Islands National Park and the Virgin Islands Coral Reef Monument on St. John.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 18, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 18 at 5:00 a.m. EDT:

- *Puerto Rico:* The unified efforts from the Department of Energy (DOE), the U.S. Army Corps of Engineers (USACE), Puerto Rico Electric Power Authority (PREPA), and the private sector continue. Currently power is restored to 17.7-percent of the population of Puerto Rico and 95-percent of customers should be restored by December 15. Palo Seco Power Plant is providing a more reliable power source, and along with two generators, will provide a combined 50 MW of temporary power stability to the San Juan metropolitan area by October 25. Eleven of 12 Puerto Rico Emergency Management Agency Zones have voice and Wi-Fi services. Eight of the 51 Puerto Rico Aqueduct and Sewer Authority (PRASA) wastewater treatment plants are operational. USNS COMFORT has treated over 132 patients to date. Contractors continue to reinforce the

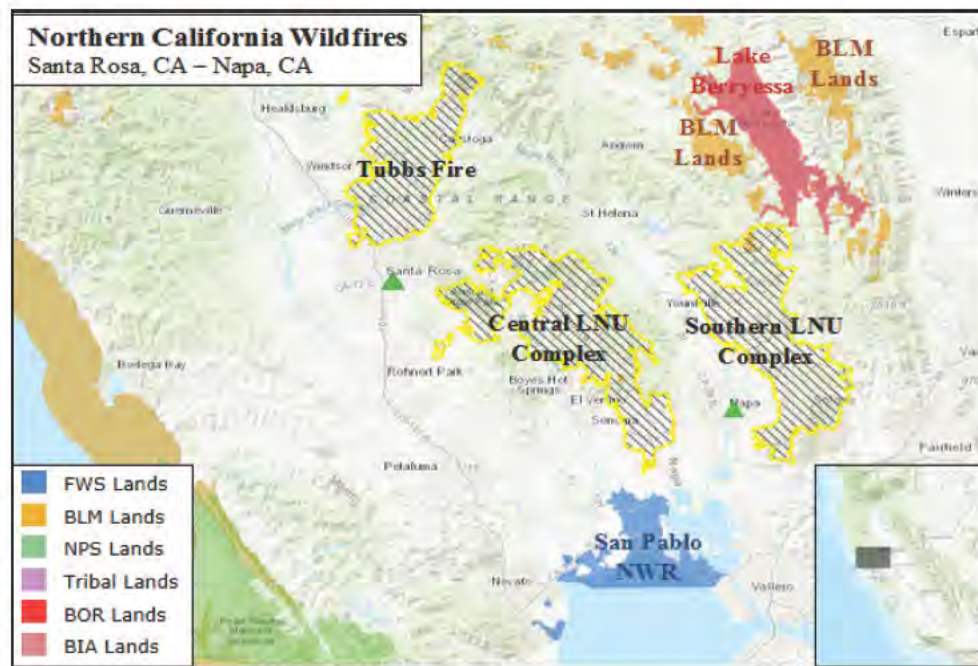
Guajataca Dam to prevent further erosion. National Guard units are operating six water purification sites. Mercedita International Airport in Ponce reopened on October 17.

- U.S. Virgin Islands: Restoration efforts were curtailed in St. Thomas and St. Croix due to heavy rain. Grid power serves 15.6 percent of the population for St. Thomas, 1.6 percent for St. Croix, and zero percent for St. John. Restoration supplies are on hand or en route, with 90 percent restoration projected for late December. National Guard personnel are assisting police with wellness checks in St. John and St. Thomas. There have been 500 drinking water system assessments completed to date. Two Disaster Recovery Centers are to open on St. Thomas.

## Wildland Fire Activity

### Northern California Fire Activity

Source: *FEMA Region IX DSAR, CALFIRE and DHS NOC - October 17, 2017*



IGEMS Image

As of October 17, over 245,000 acres have burned across California and five fires within the Central LNU Complex continue to burn. More than 11,000 firefighters continue making progress on 12 large wildfires burning in the State. The death toll remains at 41, and more than 5,700 structures have been destroyed.

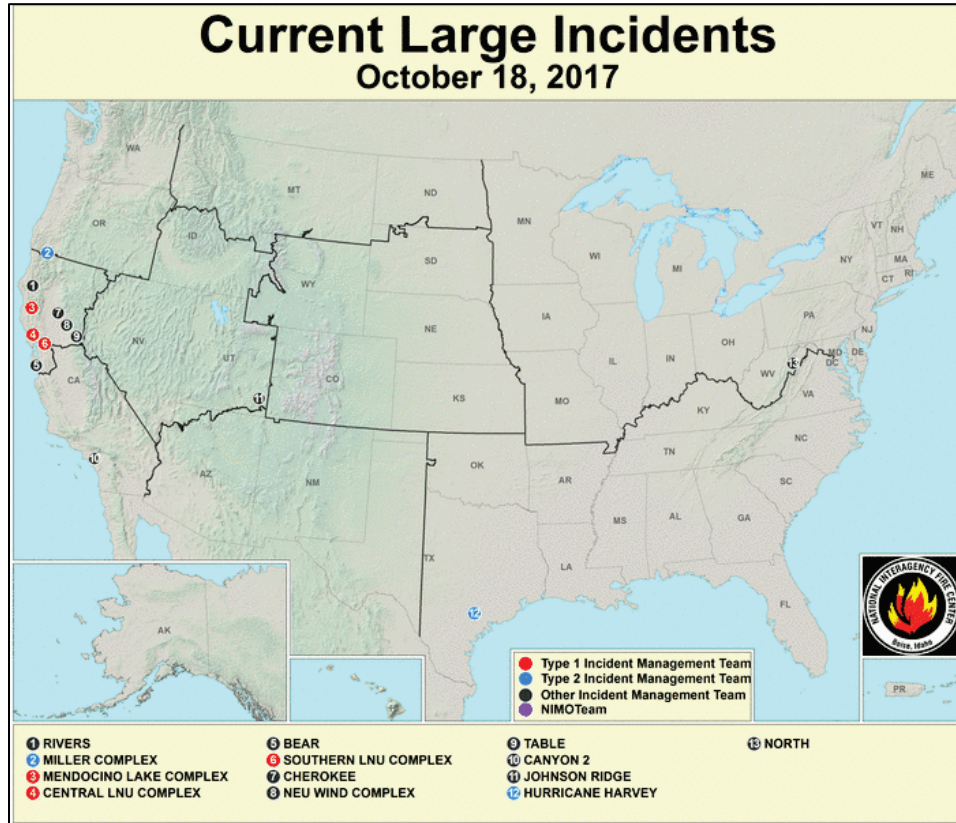
Firefighters have made significant progress and some evacuations have been lifted, but over 34,000 remain under evacuation orders. Full containment is expected by October 20. Air quality indices across California are acceptable with areas considered unhealthy for sensitive groups. The Santa Rosa Regional Hospital has reopened. Multiple road closures within the affected area continue, but are open for emergency purposes. The California EOC remains at Full Activation,

the Governor declared a state of emergency for nine counties, and 26 Red Cross and independent shelters are open with 1,169 occupants.

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 18, 2017

### Large Fire Map



### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (72 new fires)
New large incidents:	1
Large fires contained:	1
Uncontained large fires: **	12
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland volcano continues and satellite data shows the lava dome within the summit crater continues to slowly grow. This is about a 15-percent increase in size since October 11. The lava domes that have erupted since 2001 have all been destroyed by explosive activity within weeks to months after lava effusion. There is no way to predict how long this lava dome will grow, or when it might be destroyed by an explosion. No significant activity related to lava effusion was observed in seismic data and no explosive activity was detected in infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 17, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## **Significant National Weather**

*Source: National Weather Service - October 18, 2017*

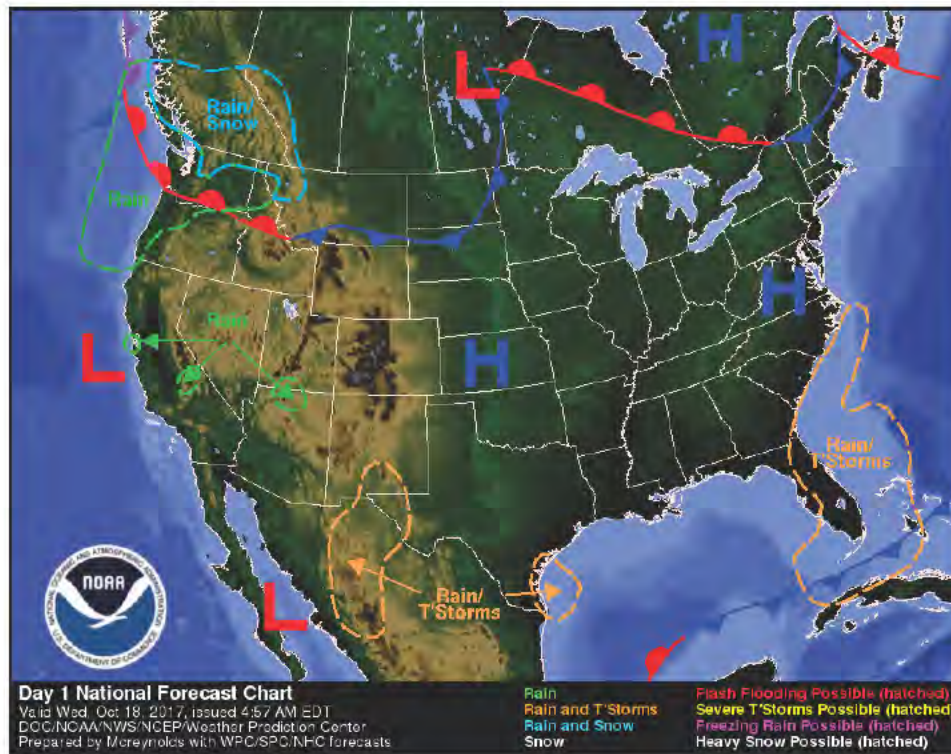
### **Today**

A frontal system south of Florida will produce rain and thunderstorms across most of the Florida peninsula and portions of the Southeast coast. Sprawling high pressure will produce dry weather from the East to the Rockies. Rain and thunderstorms will develop over parts of the southern Texas Gulf coastal regions and from central Mexico into far western Texas and south-central New Mexico. Rain showers are likely for the San Francisco Bay region, southern Sierras, and northern Grand Canyon rim region. A frontal boundary will stretch from northwestern Minnesota across the Dakotas through the northern Rockies to the Northwest. Rain is expected for the Northwest coastal regions and interior valleys. Rain and snow are likely for the Canadian Rockies, northern Cascades, and far northern Rockies.

### **Tomorrow**

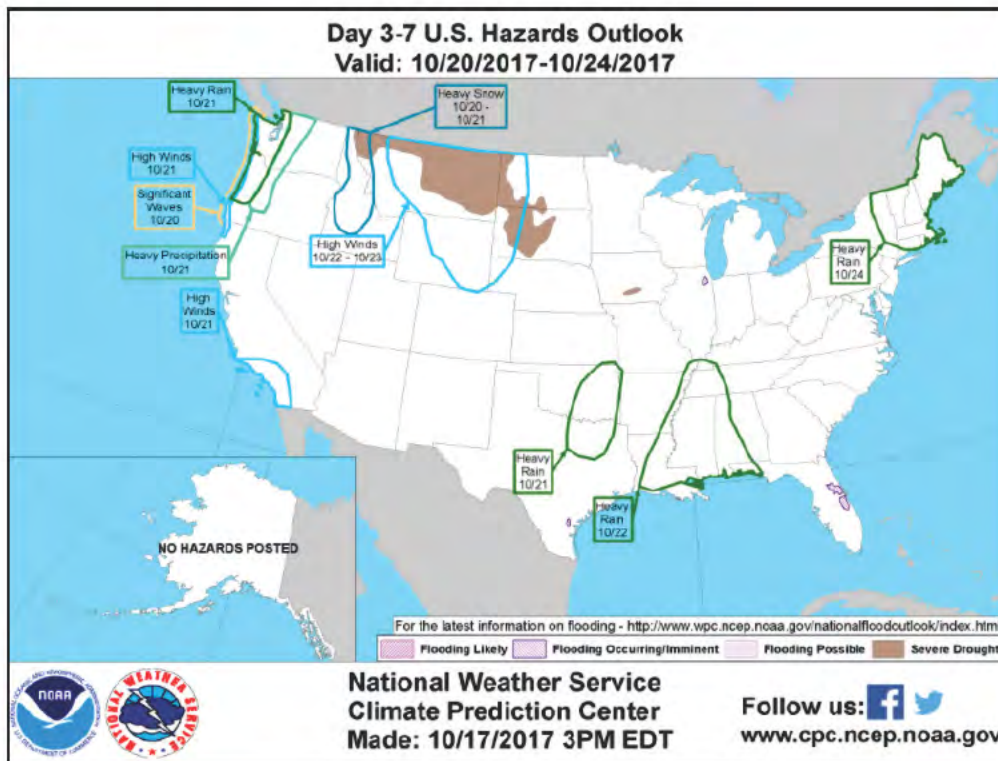
A stationary front remains south of Florida. Rain and thunderstorms will continue across portions of the Florida peninsula and the Southeast coast. As a front pushes through the Great Lakes towards the Northeast, rain will develop across parts of northern New England. Rain and

thunderstorms will blanket the Four Corners region and most of Texas. A Pacific frontal system will continue to push through the Pacific Northwest. Rain and thunderstorms will be possible for the coastal regions of Washington and Oregon. Rain will develop across northern and central California (including the fire regions), central Nevada, central Utah, and portions of the Snake River Valley. Rain and snow will be widespread for the Canadian Rockies, northern Rockies, and the northern Great Basin. Heavy snow is possible for some of the highest peaks across this region. Elsewhere, a high pressure system extends from the central and northern Plains to the East Coast.



## Weather Hazard Assessment

- October 20: High significant wave heights for coastal portions of the Pacific Northwest.
- October 20-21: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- October 21: Heavy precipitation across portions of the Cascades.
- October 21: Heavy rain across portions of the Pacific Northwest.
- October 21: High winds across coastal portions of northern California and the Pacific Northwest.
- October 21: Heavy rain across portions of the southern Plains.
- October 21: High winds for parts of southwestern California.
- October 22: Heavy rain across portions of the Southeast, the middle and lower Mississippi Valley, the Ohio Valley, and the Tennessee Valley.
- October 22-23: High winds across portions of the central Rockies, the central and northern Plains, and the northern Rockies.
- October 24: Heavy rain across portions of the Northeast.



### Alaska Weather



Gale Warnings extend from the Gulf of Alaska west through the Aleutians. Small Craft Advisories are in effect around the central and eastern Aleutians, Gore Point to Cape Suckling, from Bristol Bay to Nunivak Island, from the Cape Beaufort to Point Franklin, and the Pribilof

Islands. There is a Winter Weather Advisory across the western North Slope. A Heavy Freezing Spray Warning is in effect throughout the Arctic Circle waters and from Cape Hallett to Demarcation Point.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida.

### Severe Weather

There is no severe thunderstorm areas forecast for today for the U.S.

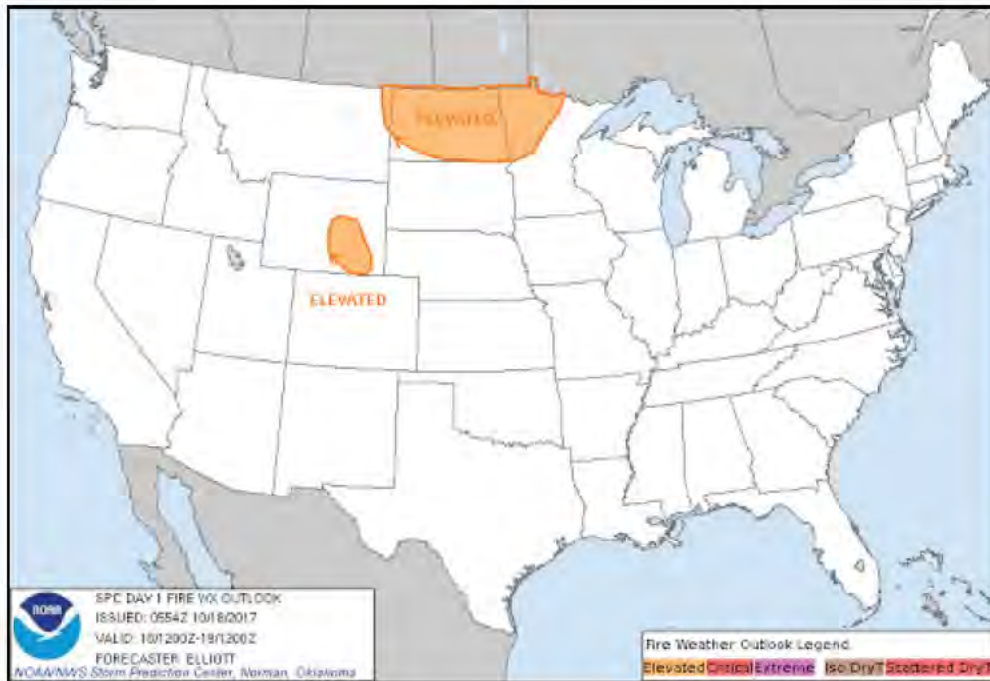
### Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

### Fire Weather

There is no Critical Fire Weather forecast today; however, Elevated Fire Weather exists in central Wyoming, North Dakota, and northeastern Minnesota.





**Tropical Weather Activity**

**Source:** *National Weather Service/National Hurricane Center – October 18, 2017*

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

There is no tropical cyclone activity expected over the next 48 hours.

**Eastern Pacific Ocean**

There is no tropical cyclone activity expected over the next 48 hours.

***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, October 19, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service – October 18, 2017*

A Flash Flood Watch remains in effect for all of Puerto Rico and the U.S. Virgin Islands through this evening. Scattered to numerous showers and thunderstorms are expected across the islands through today. Some of the storms will contain heavy downpours and cloud to ground lightning which may impact response and recovery operations. Soil conditions remain saturated in many locations and additional heavy rainfall may lead to a high risk of river and small stream flooding, mudslides, and rock fall. Flooding of urban areas will also be possible in typically prone low lying and poor drainage areas. Showers and thunderstorms are likely to decrease to isolated Thursday through Saturday.

### **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

#### **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 18, 2017*

The USGS had 28 personnel in the field assessing damage and repairing gages under their own authorities. The USGS also had four personnel retrieving storm surge sensors, performing high water mark (HWM) flagging, and surveying in Puerto Rico under Mission Assignment (MA)

PR-17090102-USGS-01. One additional person is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01 (ESF 5).

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 19, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 19 at 5:00 a.m. EDT:

- *Puerto Rico:* The unified efforts from the Department of Energy (DOE), the U.S. Army Corps of Engineers (USACE), Puerto Rico Electric Power Authority (PREPA), and the private sector continue. Currently power is restored to 19.1-percent of the population of Puerto Rico and 95-percent of customers should be restored by December 15. Power grid transmission lines are 25.4-percent energized and substations are 36.3-percent energized. All 12 Puerto Rico Emergency Management Agency Zones have voice and Wi-Fi services. Forty-two of the 51 Puerto Rico Aqueduct and Sewer Authority (PRASA) wastewater treatment plants are operational. Contractors have stopped the flow of water over the Guajataca Dam spillway and the reservoir pool is approximately 3.5 feet below spillway crest.
- *U.S. Virgin Islands:* The grid power is servicing 29-percent of the population on St. Thomas, 1.6-percent on St. Croix, and zero-percent on St. John. Forty-four percent of cellular sites are operational. There are factors that have been limiting communication restoration and they include: transportation of equipment, fuel (contracted by carriers; federal assistance no longer required), maintenance for generators, weather conditions, and stable power. There have been 528 drinking water system assessments completed to date.

### **Wildland Fire Activity**

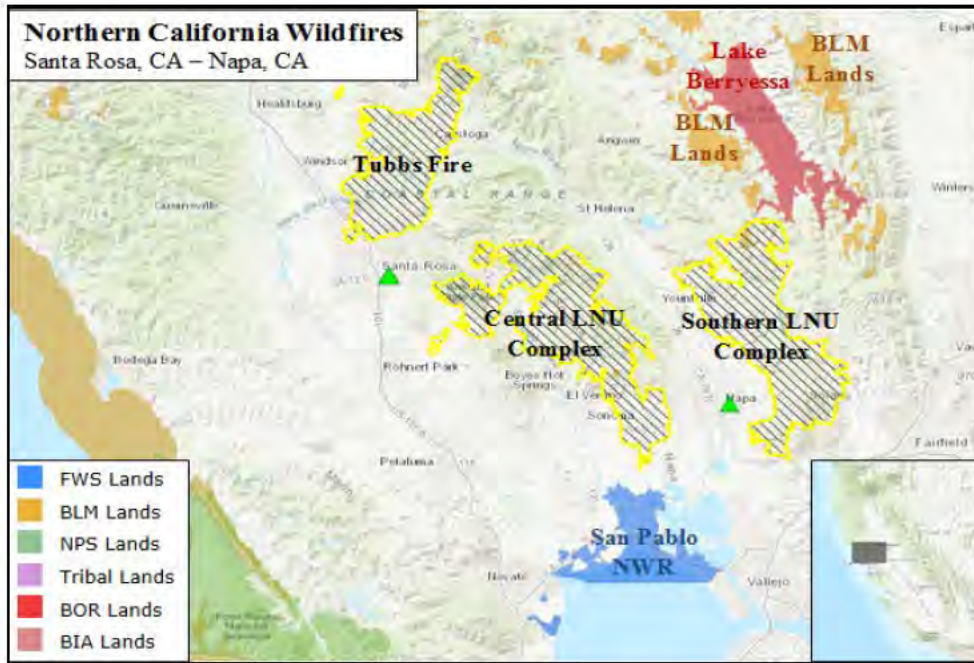
#### **Northern California Fire Activity**

*Source: Department of Homeland Security National Operations Center - October 19, 2017*

As of October 19, firefighting efforts continue as firefighters are making progress towards containment across California and there are five fires within the Central LNU Complex that continue to burn. The death toll increased to 42, and more than 5,700 structures have been destroyed.

The Central LNU Complex fire is burning in Sonoma and Napa Counties. The Central LNU Complex Fire, which encompasses the Pocket, Sonoma Nuns, and Tubbs fires, has burned over 100,000 acres and is 73 percent contained. Mandatory and voluntary evacuations remain in effect for over 10,000 residents. This is being managed by a Type 1 Incident Management Team with over 5,000 personnel assigned and full containment is expected by October 24. The Red Cross has eight shelters open and there are 249 occupants.

The weather forecast for today is mostly cloudy with calm winds, a slight chance of precipitation, and a high near 69 degrees.



IGEMS Image

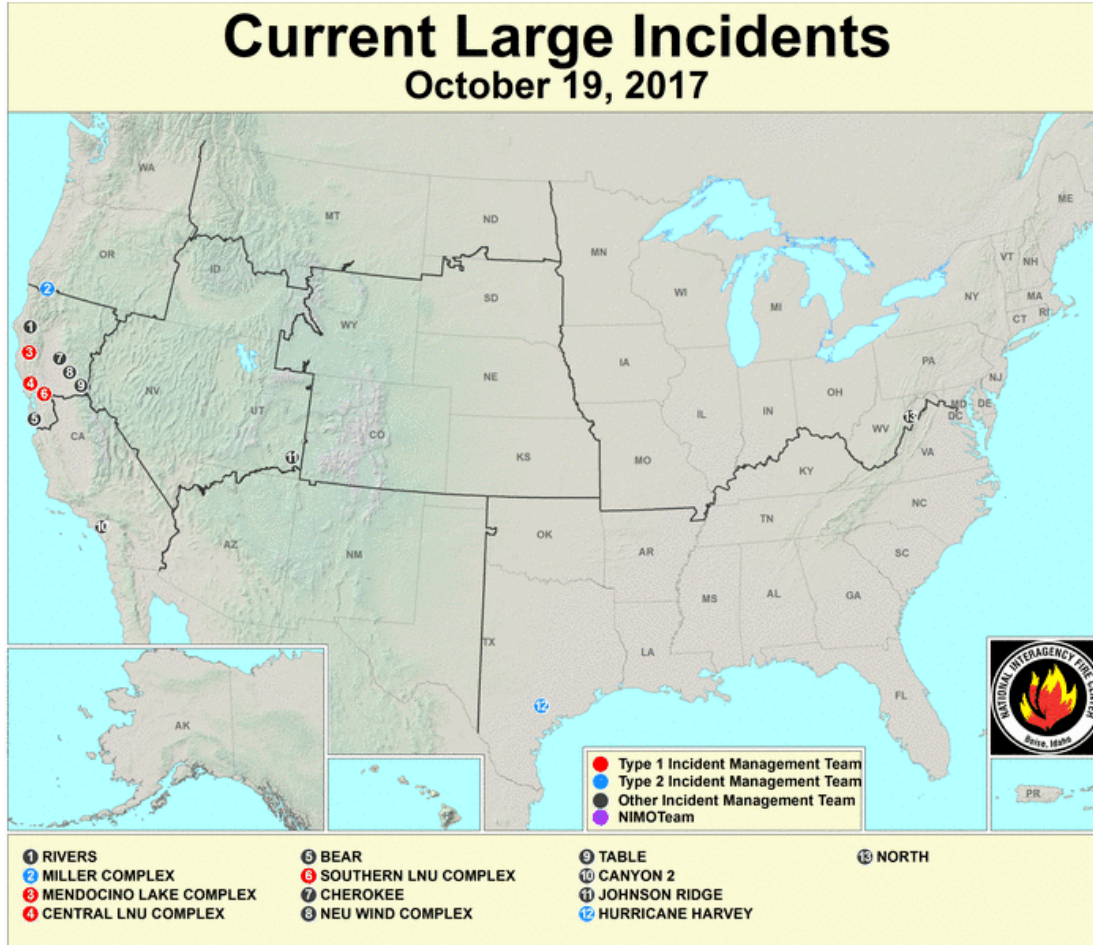
### Wildland Fire Incident Management Situation Report

Source: *National Interagency Fire Center – October 19, 2017*

The IOC is also monitoring the following fires:

Fire Name	County, State	DOI Nexus	IMT Type	Burned Acres	Containment	Containment Date
WF Perkins Blowout	Jefferson, TX	FWS	4	1,500	5%	October 19

## Large Fire Map



### National Preparedness Level 3 National Fire Activity

Initial attack activity:	Light (77 new fires)
New large incidents:	6
Large fires contained:	6
Uncontained large fires: **	8
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland volcano continues and no unusual activity was observed in partly cloudy views of the volcano by satellite and web camera yesterday. No significant activity related to lava effusion was observed in seismic data and no explosive activity detected in infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 18, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## **Earthquake Activity**

The United States Geological Survey (USGS) reported that a magnitude 6.0 earthquake occurred Wednesday, October 18 at 8:01 a.m. EDT, at a depth of 6 miles, approximately 62 miles south-southeast of Pangai, Tonga. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was no tsunami watch or warning issued as a result of this event.

## **Significant National Weather**

*Source: National Weather Service - October 19, 2017*

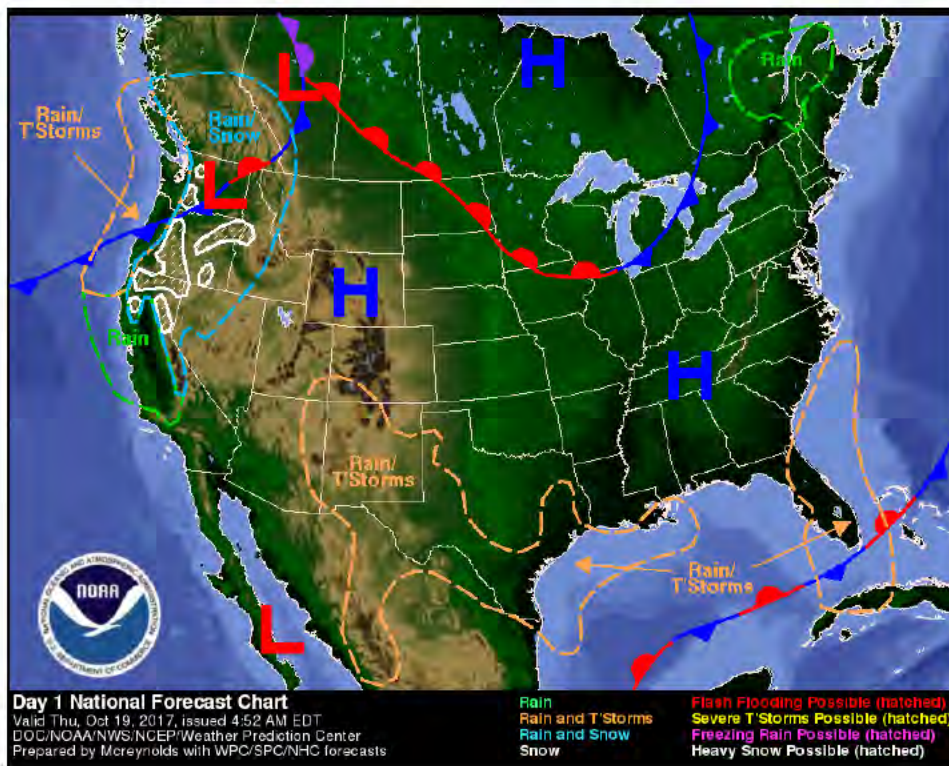
### **Today**

As a stationary front remains stretched just south of Florida, rain and thunderstorms will continue across the Florida peninsula and portions of the Southeast coast. To the north, a few lone rain showers will be scattered over far northern New England. Rain and thunderstorms will be increasing in areal coverage stretching from the Four Corners southeast across southern Texas, the Rio Grande Valley to eastern Texas, and the Louisiana Gulf coastal region. A few of these thunderstorms may produce marginally severe hail or wind across southern New Mexico and far western Texas, including the El Paso vicinity, mainly during the afternoon and early evening. A cold front will move across the Pacific Northwest today with increasing precipitation throughout that region and the northern Rockies. Rain and thunderstorms will develop along the coast from Vancouver Island south to northern California. Heavy rainfall is expected to occur in

western Washington and northwestern Oregon, where there is a marginal risk of flash flooding. Rain is possible for portions of northern and central California including the areas of the recent wildfires. Rain and snow is likely from the Canadian northern Rockies south to the northern Great Basin and Sierras. Elsewhere, high pressure will continue to produce fair and dry weather from parts of the Rockies east to the East Coast.

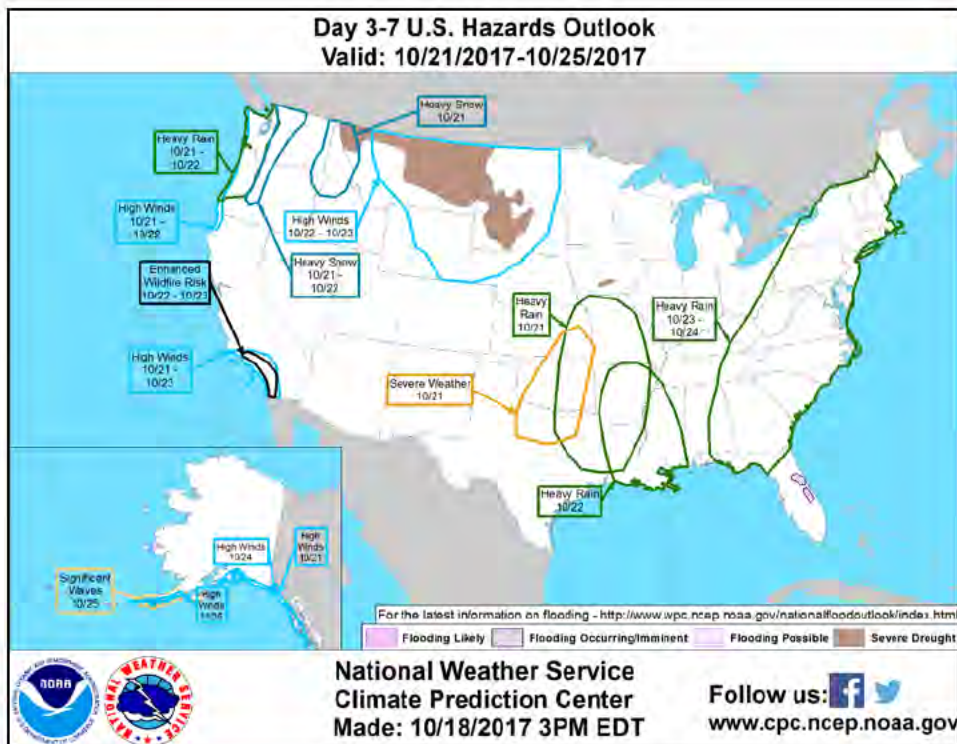
### Tomorrow

Rain and thunderstorms will continue across portions of the Florida peninsula as a stationary front remains east-west across the Florida Keys. High pressure will continue to produce dry weather along the East Coast, the Appalachians, the Great Lakes, the Ohio Valley, and the Deep South. Rain and thunderstorms will develop from the upper Midwest south to eastern Texas and portions of the lower Mississippi Valley. The Pacific frontal system will push into the northern Rockies, the Great Basin, and southern California. Rain is forecast for the West Coast from northern California to Vancouver Island. Additional areas of rain are possible for the coastal ranges of southern California, a small area of the west-central Plains, and the plains of Montana. Rain and snow are likely for the Canadian Rockies, the U.S. Rockies, the Inter-mountain Northwest, the northern Great Basin, and the Sierras. Heavy snow is forecast for the mountains of central Idaho.



## Weather Hazard Assessment

- October 21: High winds across portions of the Alaska Panhandle.
- October 21: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- October 21: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the lower Mississippi Valley, and the southern Plains.
- October 21: Severe weather across portions of the central Plains and the southern Plains.
- October 21-22: Heavy rain across portions of the Pacific Northwest.
- October 21-22: Heavy snow across portions of the Cascades.
- October 21-22: High winds across coastal portions of northern California and the Pacific Northwest.
- October 21-23: High winds across portions of southern California.
- October 22: Heavy rain across portions of the Southeast and the lower Mississippi Valley.
- October 22-23: High winds across portions of the central Rockies, the central Plains, the northern Plains, and the northern Rockies.
- October 22-23: Enhanced wildfire risk across portions of southern California.
- October 23-24: Heavy rain across portions of the eastern fourth of the CONUS.
- October 24: High winds across portions of the Alaska Panhandle and the southern coast of Alaska.
- October 25: High winds across portions of the Aleutians and southern coast of Alaska.
- October 25: High significant wave heights for coastal portions of the Aleutians and southern coast of Alaska.



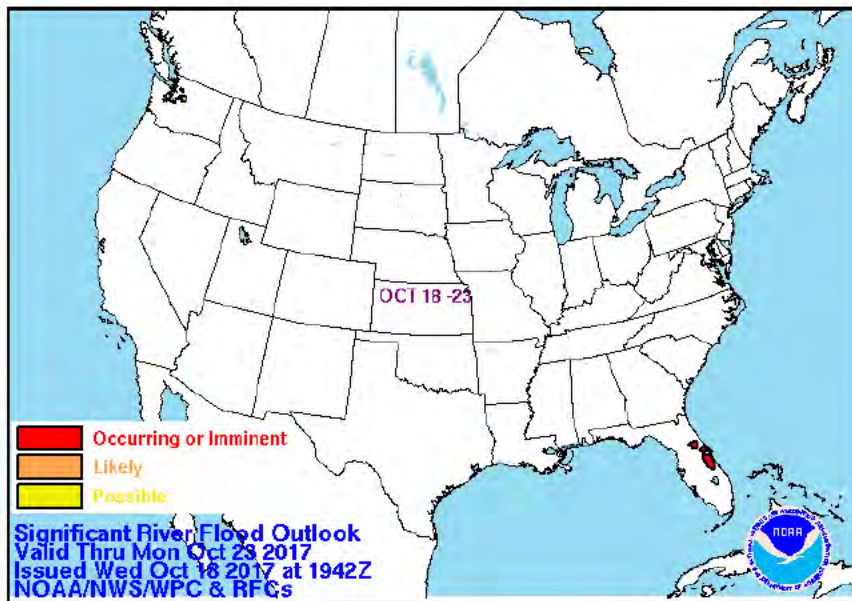


## Alaska Weather

Gale Warnings extend from the Bering Sea to Kiska to Adak, Stikinak to Barren Islands, and the Gulf of Alaska North and South. Small Craft Advisories are in effect from Cape Beaufort to St. Matthew Waters, Nunivak Island to Bristol Bay, Nikolski to Cape Sarichef, the Shelikof Strait, and from Cape Cleare to Cape Decision. There is a Winter Weather Advisory across the eastern North Slope. A Heavy Freezing Spray Warning is in effect for the central and eastern U.S. Arctic and from Cape Halkett to Demarcation Point.



## Significant River Flooding



Significant river flooding is occurring or imminent across portions of eastern Florida.

## Severe Weather

There is a marginal risk of severe thunderstorms across southern New Mexico and western Texas.

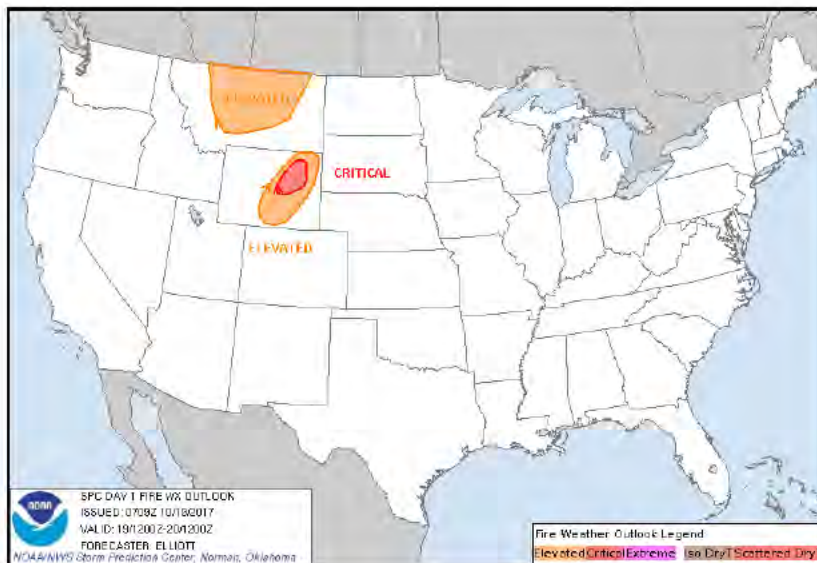


## Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather

There is Critical Fire Weather forecast for portions of northeastern Wyoming. There is Elevated Fire Weather circling the Critical Fire Weather in Wyoming, as well as an additional area in Montana.



**Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 19, 2017

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

There is no tropical cyclone activity expected over the next 48 hours.

**Eastern Pacific Ocean**

There is no tropical cyclone activity expected over the next 48 hours.

***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, October 20, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Weather Service (NWS) – October 20, 2017*

Drier air is settling in over Puerto Rico and the U.S. Virgin Islands with a slight change of afternoon rain. The Flash Flood Watch is no longer in effect for Puerto Rico and the U.S. Virgin Islands; however, a Flash Flood Warning continues for the area near the Guajataca Dam. Even without any appreciable rain, saturated soil remains in place in many locations and there is a moderate risk for river and small stream flooding, mudslides, and rock fall.

### **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

#### **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 19, 2017*

The USGS had 19 personnel in the field assessing damage and repairing gages under their own authorities. Two personnel retrieved sensors, performed high water mark (HWM) flagging, and surveying under MA PR-17090102-USGS-01 (ESF 5). One additional person continues to perform remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01 (ESF 5). Seven new rain gages were installed at existing streamgage locations to assist the National Oceanic and Atmospheric Administration (NOAA) and the NWS

in their flood forecasting and warning missions. USGS has also completed the installation of a high-resolution video camera that was donated by EarthCam.

Also, USGS is coordinating with FEMA on an amendment to MA 4339DR-PR-USGS-01 to deploy five personnel to Puerto Rico to provide onsite analysis and technical guidance on the increased, post-Maria landslide risk.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 20, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 20 at 5:00 a.m. EDT:

- *Puerto Rico:* The previously established curfew in Puerto Rico has been lifted. Currently, power is restored to 21.6-percent of the population of Puerto Rico and 95-percent of customers should be restored by December 15. Power grid transmission lines are 25.4-percent energized and substations are 36.3-percent energized. More than 65-percent of the clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA) had running water restored, and 43 of the 51 wastewater treatment plants are operational. The Guajataca Dam spillway reservoir pool is approximately 4 feet below spillway crest. The 633rd Expeditionary Medical Support is expected to be fully operational today and the Maritime Component Forces (Navy/Marine) have cleared 56.6 miles of roads.
- *U.S. Virgin Islands:* The grid power is servicing 29-percent of the population on St. Thomas, 1.6-percent on St. Croix, and zero-percent on St. John. About 47.9-percent of cellular sites are operational. Fifty-eight trucks have been loaned or purchased to assist with the repairs to power infrastructure and staggered delivery has begun. There have been 528 drinking water system assessments completed to date.

### **Wildland Fire Activity**

#### **Northern California Fire Activity**

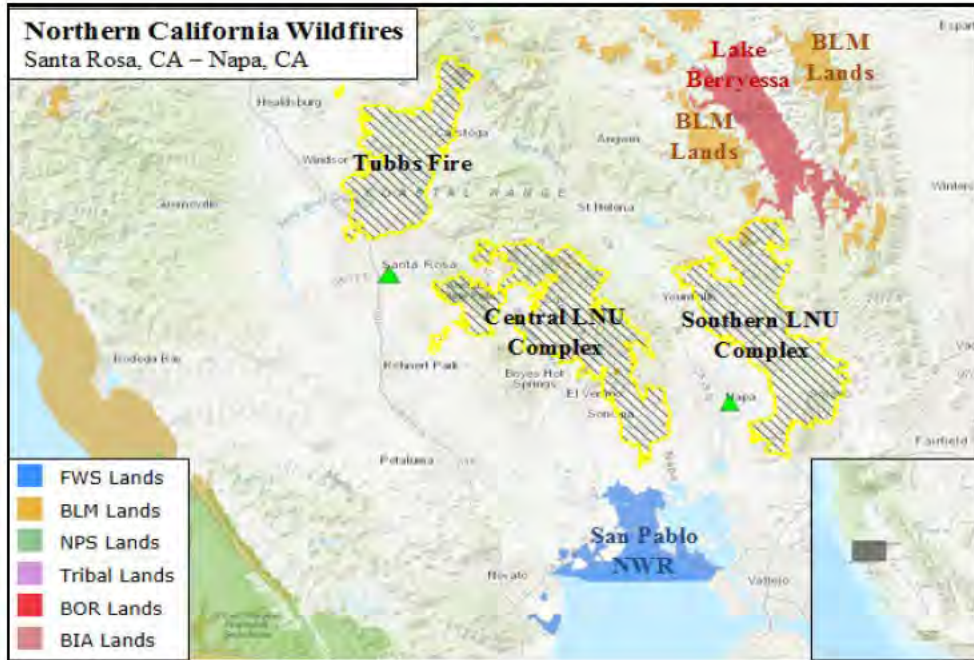
*Source: Department of Homeland Security National Operations Center - October 20, 2017*

Firefighters continue to make positive gains towards full containment of wildfires burning in northern California, with an expected containment date of October 24. The Central LNU, Southern LNU, Mendocino Lake, and NEU Wind Complex fires have caused a total of 42 fatalities.

The Central LNU Complex Fire encompasses the Pocket, Sonoma Nuns, and Tubbs fires, has burned over 100,000 acres, and is 83-percent contained. Mandatory and voluntary evacuations remain in effect for over 10,000 residents. The complex fire has destroyed nearly 6,500 homes, commercial buildings, and other minor structures. This is being managed by a Type 1 Incident

Management Team with 4,915 personnel assigned and full containment is expected by October 24. The Red Cross has six shelters open with 400 occupants.

The weather forecast for today is mostly sunny with winds from the west-northwest at 5 to 13 miles per hour (mph), and a high near 69 degrees.



IGEMS Image

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 20, 201

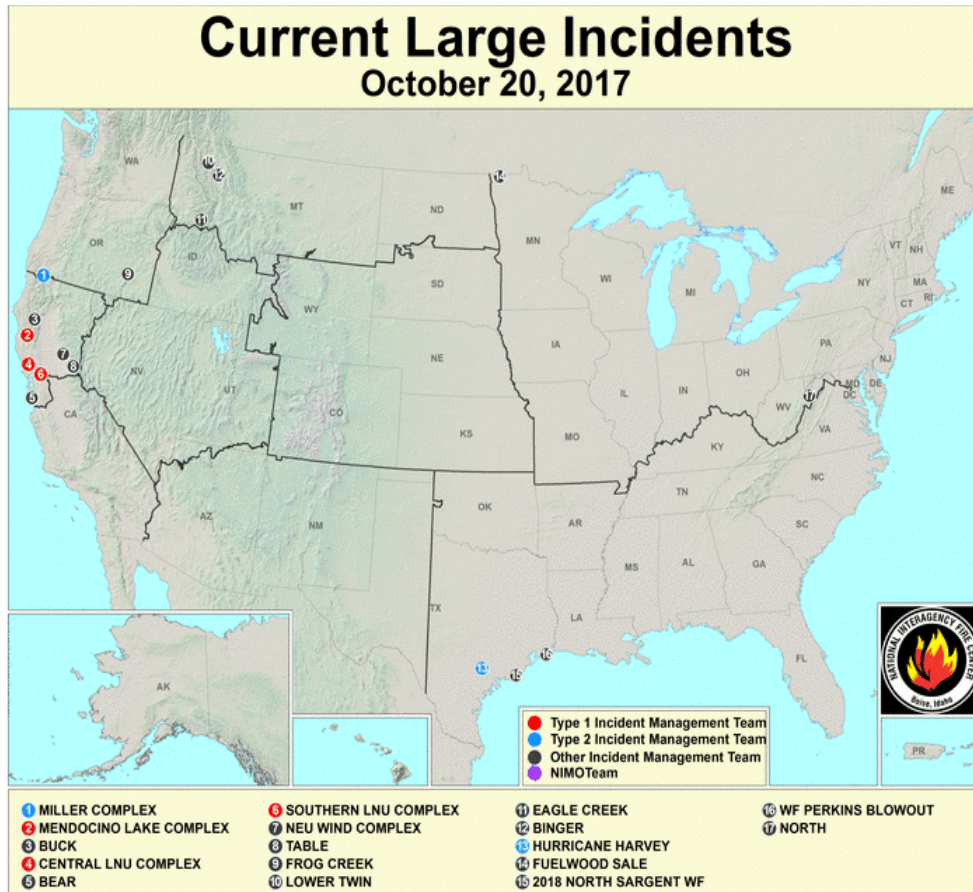
#### National Preparedness Level 3

#### National Fire Activity

Initial attack activity:	Light (104 new fires)
New large incidents:	0
Large fires contained:	1
Uncontained large fires: **	12
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 19, 2017

Alert Level = WATCH

Color Code = ORANGE

Unrest at Cleveland volcano continues and no unusual activity was observed in partly cloudy views of the volcano by satellite and web camera yesterday. No significant activity related to lava effusion was observed in seismic data and no explosive activity detected in infrasound data during this reporting period.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 19, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## **Significant National Weather**

*Source: National Weather Service - October 20, 2017*

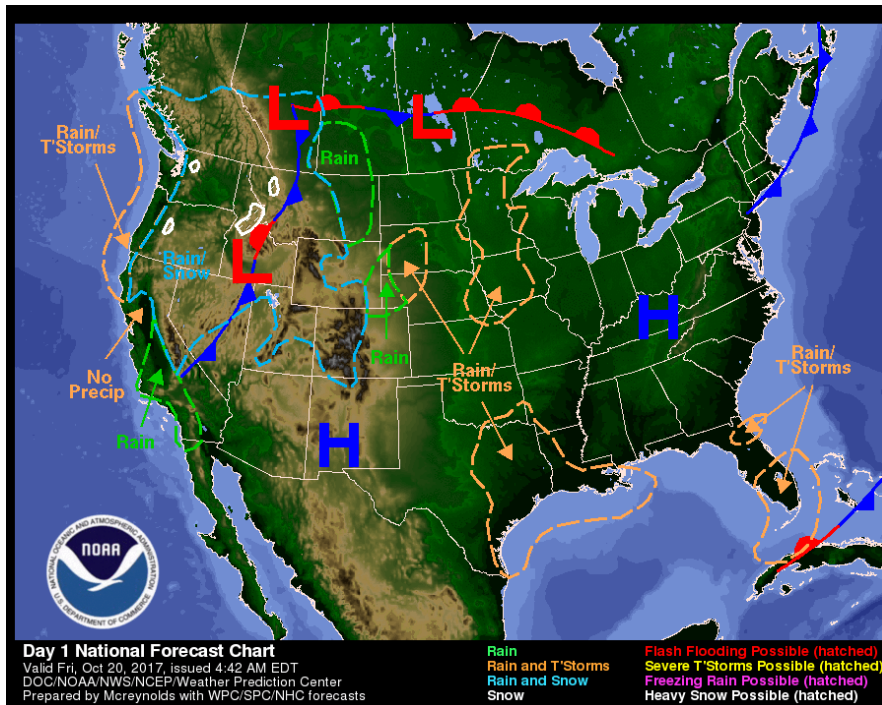
### **Today**

A Pacific storm system and its associated cold front will slide into the Intermountain West. Heavy rain with isolated thunderstorms will continue to impact coastal sections of Washington, Oregon, and northern California. Rain and high elevation snow is expected further inland for the Pacific Northwest and into the Intermountain West. Beneficial rain and high elevation snow is expected for portions of central and southern California as well. Ahead of this storm system, rain and high elevation snow will spread through the Northern Rockies and possibly into the upper Plains. There is chance of rain and thunderstorms for the upper Mississippi River Valley, as well as from the Gulf coastal areas of Texas and Louisiana northward through southern Oklahoma. Thunderstorm activity remains present in the Atlantic bringing the chance of rain and thunderstorms to the southern half and much of the eastern coast of Florida. High pressure will keep conditions dry and fair across a third of the eastern U.S.

### **Tomorrow**

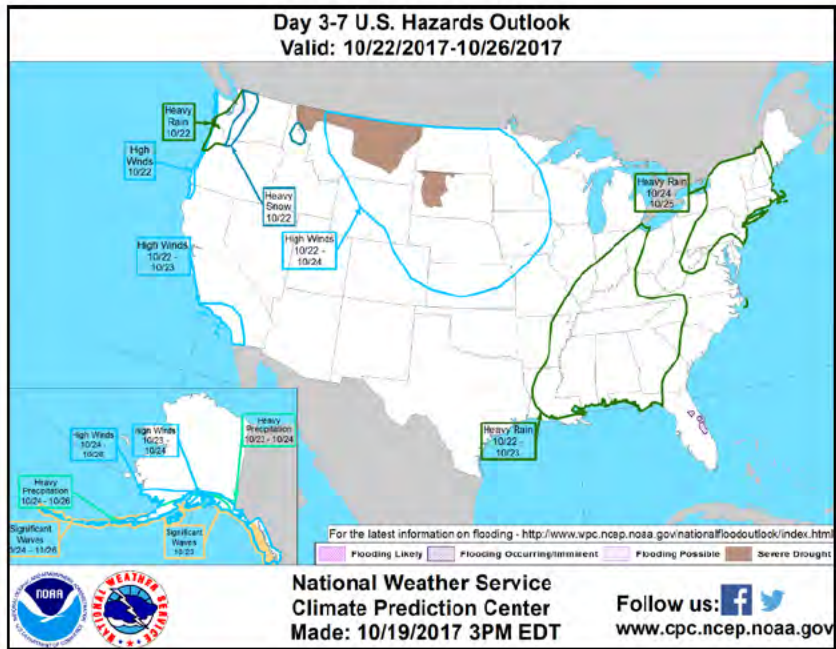
A storm system will move east out of the Rockies into the Plains and tap into moisture from the Gulf of Mexico bringing the chance of severe weather. Severe thunderstorms, with damaging wind gusts, hail, and possibly a few tornadoes, are expected in the Plains from northeastern Texas northward through the upper Mississippi River Valley. There is a chance of rain and thunderstorms for the remainder of the central U.S. from the Gulf Coast northward to the western Great Lakes. Conditions will remain active for the Pacific Northwest as another storm system approaches this region from the Pacific. Rain will remain heavy for portions of the coastal regions of Washington and Oregon. Rain and high elevation snow will continue for the Pacific Northwest as well as much of the Intermountain West. A chance of rain and thunderstorms will continue across the southern half and eastern coast of Florida. Dry weather will continue for the east coast as high pressure remains in place.



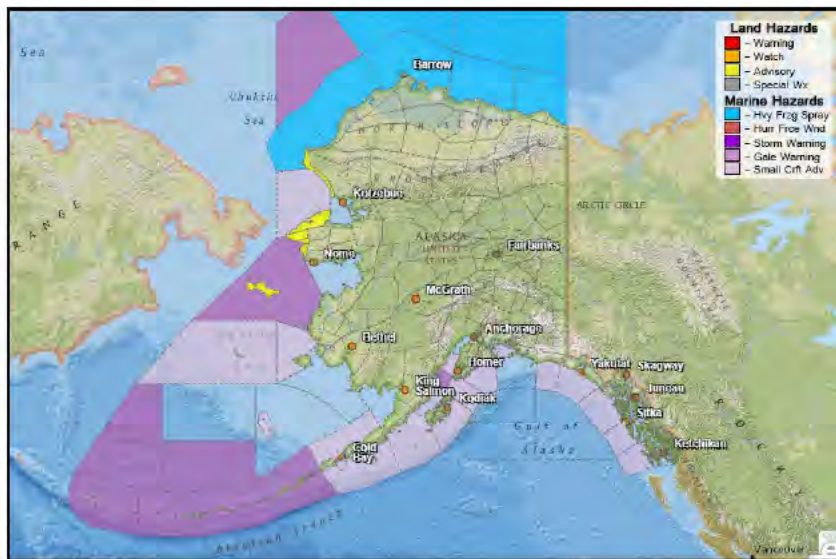


## Weather Hazard Assessment

- October 22: Heavy rain across portions of the Pacific Northwest.
- October 22: Heavy snow across portions of the Pacific Northwest and the northern Rockies.
- October 22: High winds across portions of California and the Pacific Northwest.
- October 22-23: Heavy rain from the Gulf Coast to the lower Great Lakes.
- October 22-23: High winds across portions of the central and northern Plains, the central and northern Rockies, and the upper and middle Mississippi valleys.
- October 22-23: High winds across portions of southern California.
- October 22-23: Enhanced wildfire risk across portions of the California.
- October 23: High significant wave heights for coastal portions of the Alaska Panhandle and mainland Alaska.
- October 23-24: Heavy precipitation across portions of the Alaska Panhandle and southern mainland Alaska.
- October 23-24: High winds across portions of the Alaska Panhandle and mainland Alaska.
- October 24-25: Heavy rain across portions of the mid-Atlantic and the Northeast.
- October 24-26: Heavy precipitation, high winds, and significant wave heights for coastal portions are expected for southern mainland Alaska and the Aleutians.

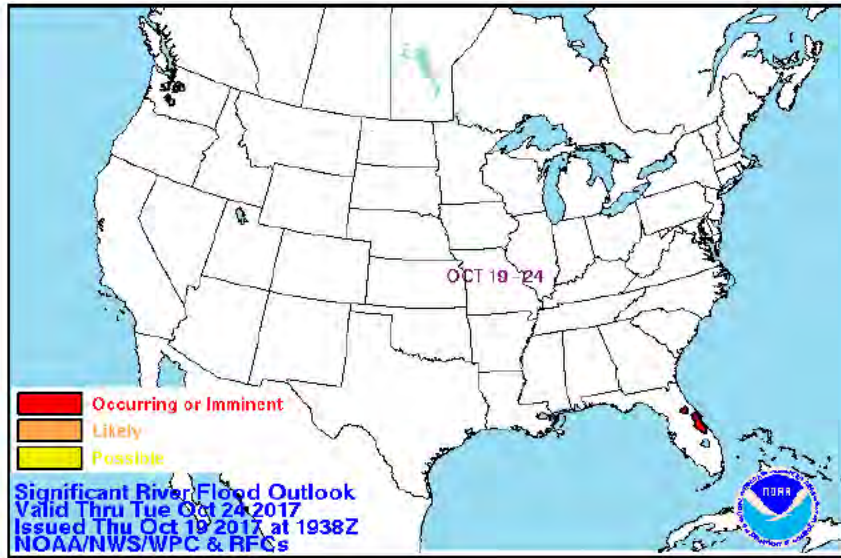


## Alaska Weather



Gale Warnings extend from the Central U.S. Arctic to Cape Thompson, Dall Point to Wales, Bering Sea to Kiska to Nikolski, and the Barren Islands. Small Craft Advisories are in effect from Wales to Cape Thompson, St. Matthew Waters to Nunivak Island, Pribilof Islands, Port Heiden to Prince William Sound, Cook Inlet Island, and from Icy Cape to Cape Decision. There is a Winter Weather Advisory for Savoonga, Point Hope to Brevig Mission. A Heavy Freezing Spray Warning is in effect for the central and eastern U.S. Arctic and from Cape Thompson to Demarcation Point.

## Significant River Flooding



Significant river flooding is occurring or imminent across portions of eastern Florida. Flooding is also possible or likely in portions of western Washington.

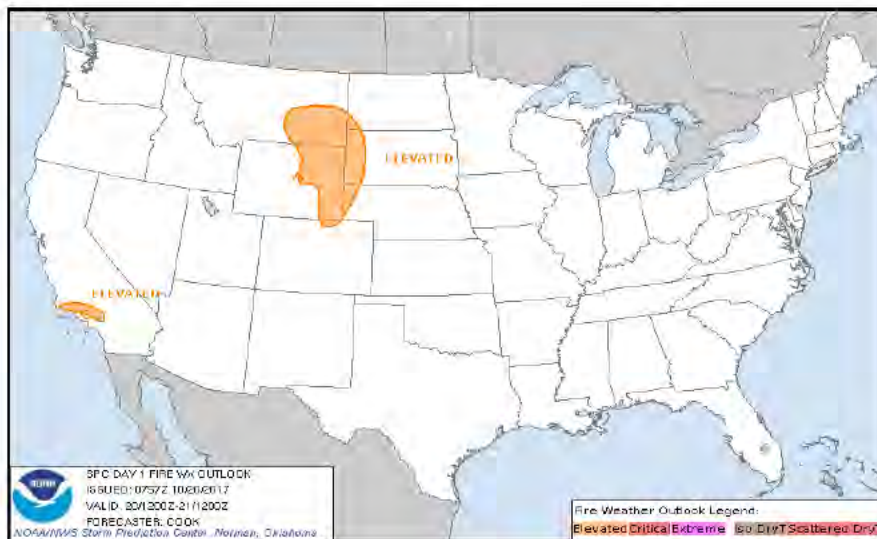
## Severe Weather

There is no severe thunderstorm areas forecast for the U.S. today.

## Tornado Weather

There is a less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for the U.S. today; however, there is Elevated Fire Weather for southwestern California, southeastern Montana, eastern Wyoming, southwestern North Dakota, western South Dakota, western Nebraska, and northern Colorado.

**Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 20, 2017

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

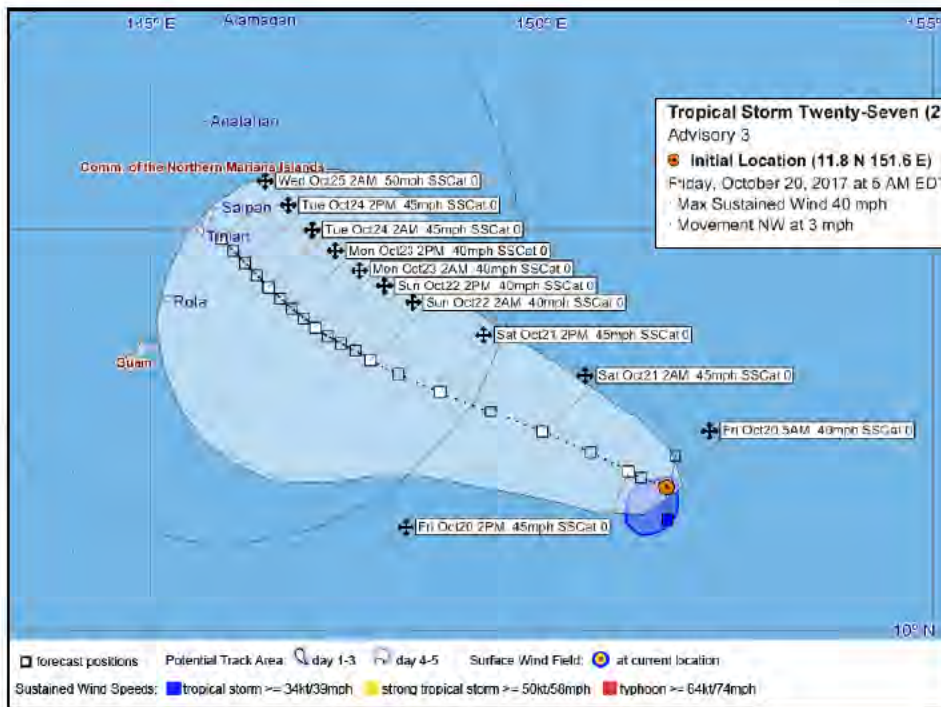
There is no tropical cyclone activity expected over the next 48 hours.

**Eastern Pacific Ocean**

There is no tropical cyclone activity expected over the next 48 hours.

**Western Pacific Ocean**

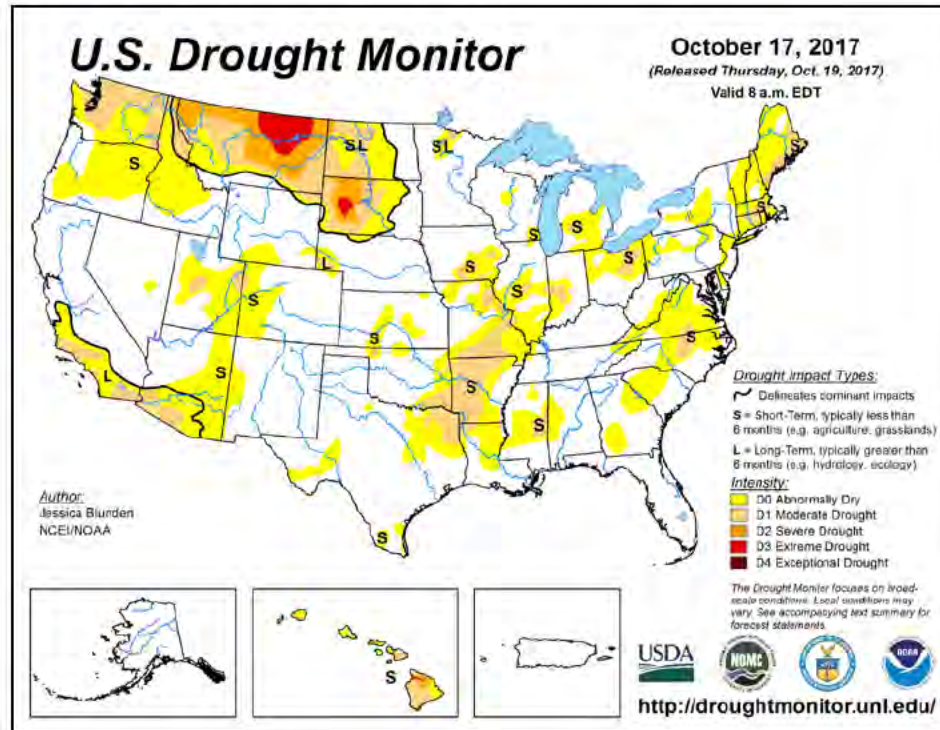
At 5:00 a.m., EDT, the center of Tropical Storm 27W was about 455 miles east-southeast of Saipan and moving south at 10 mph. Tropical Storm 27W is expected to loop slowly around in a west-northwest direction on Friday. On Saturday, it will increase its forward speed and move towards the northwest. This track takes it within 70 miles northeast of Saipan Sunday morning as a severe tropical storm with winds around 70 mph. Maximum sustained winds have increased to near 40 mph, and will strengthen through Sunday. Once passing Saipan it will slowly weaken.



## Other News and Notes

### **Drought Monitor**

*Source: United States Drought Monitor – October 19, 2017*



The extreme Northwest, South, and Southeast are likely to receive above-average precipitation, very heavy in the Northwest, and up to three inches in parts of the South. Less than half an inch of precipitation is forecast across the mid-Atlantic states, the Northeast, and the High Plains into Montana. Looking a bit further to the October 22-26 timeframe, above-normal temperatures are expected over the western U.S, while parts of Texas may see below-average temperatures. Below-normal precipitation is also forecast for the western U.S. Looking even further out to the week of October 24-30, most of the contiguous U.S. is favored to see below-average precipitation, while above-normal precipitation is favored across the Appalachians and eastward. The Great Lakes region is also favored to receive above-normal precipitation at this time.

### **2017-2018 NOAA Winter Outlook**

*Source: National Oceanic Atmospheric Administration - October 19, 2017*

NOAA's Climate Prediction Center released the U.S. Winter Outlook yesterday, with La Nina potentially emerging for the second year in a row as the biggest wildcard in how this year's winter will shape up. La Nina has a 55-65 percent chance of developing before winter sets in.

2017-2018 U.S. winter outlook (December - February):

- Precipitation - It will be wetter than average conditions across most of the northern United States, extending from the northern Rockies to the eastern Great Lakes and the

Ohio Valley, as well in Hawaii and in western and northern Alaska. Drier than normal conditions are most likely across the entire southern U.S.

- Temperature - Warmer than normal conditions are most likely across the southern two-thirds of the continental U.S., along the East Coast, across Hawaii, and in western and northern Alaska. There will be below average temperatures favored along the Northern Tier of the country from Minnesota to the Pacific Northwest and in southeastern Alaska. The rest of the country falls into the “equal chance” category, which means they have an equal chance for above, near, or below-normal temperatures and/or precipitation because there is not a strong enough climate signal in these areas to shift the odds.
- Drought - Despite the outlook favoring above-average precipitation this winter, drought is likely to persist in parts of the northern Plains, although improvement is anticipated farther west. Elsewhere, drought could develop across scattered areas of the South, mainly in regions that missed the rainfall associated with the active 2017 hurricane season.
- NOAA’s seasonal outlooks give the likelihood that temperature and precipitation will be above, near, or below-average, and also how drought is expected to change, but do not project seasonal snowfall accumulations. While the last two winters featured above-average temperatures over much of the nation, significant snowstorms still impacted different parts of the country. Snow forecasts are generally not predictable more than a week in advance because they depend upon the strength and track of winter storms.

The U.S. winter outlook will be updated on November 16.

***\*End of Report\****

**Distribution:**

Assistant Secretaries  
Bureau Heads  
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EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, October 23, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 3**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 22, 2017*

Weather conditions across Puerto Rico and the U.S. Virgin Islands will be benign over the next five days; there are no tropical systems impacting the region. The forecast calls for partly cloudy skies with highs in the low 90s and lows in the middle 70s. There is a little chance of showers, with less than one quarter inch of precipitation over the next three days. Flash Flood Warnings remain in effect for areas surrounding the Guajataca Dam.

### **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

#### **National Park Service Update**

*Source: National Park Service (NPS) Office of Communications - October 21, 2017*

Stabilization and recovery work at Christiansted National Historic Site, Buck Island Reef National Monument, and Salt River Bay National Historic Park and Ecological Preserve on St. Croix continues to be managed by a National Park Service Incident Management Team. Portions of Christiansted National Historic Site are anticipated to reopen soon. The park has cleaned up the waterfront, removed hazardous trees, and continues to work toward providing for a safe and enjoyable visitor experience.

The Federal Emergency Management Agency (FEMA) continues operating the Disaster Relief Assistance Program on the first floor of the park's Danish West India Guinea Company Warehouse (Old Post Office Building) from 8 a.m. - 6 p.m. daily. The parking lot at Fort Christiansvaern is open from 8 a.m. – 4 p.m. daily to facilitate public access to the emergency supplies distribution and to make claims with FEMA.

Buck Island Reef National Monument (BUIS) sustained substantial damage to shoreline, vegetation, and coral reef areas. Buck Island Reef marine areas are open to the public as well as everything below the high water mark on Buck Island. The area is open to concessions operations. All park facilities above the high water mark on BUIS remain closed to the public, including the 100-foot-long cement pier on the south side. The park will continue to work on cleaning beach, hiking trail, and picnic areas.

Critical private-aids-to-navigation to provide safe boat operations within park waters has been restored. The channel markers to underwater trail lagoon are on station. The underwater trail and SCUBA moorings are all in service. Designated anchoring area buoys have been re-established and boats visiting the beach should anchor within this zone.

Salt River Bay National Historic Park and Ecological Preserve Visitor Contact Station was badly damaged by Hurricane Maria and will remain closed to the public for the foreseeable future.



*A sailboat aground in Salt River Bay showing resource damage to seagrass bed. NOAA photo*



## **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 21, 2017*

The Caribbean-Florida Water Science Center (CFWSC) in Puerto Rico is open to all employees; however, the facility remains closed to the public. The USGS had 13 personnel in the field assessing damage and repairing gages under USGS authorities. One person retrieved sensors, performed high water mark (HWM) flagging, and surveying under MA PR-17090102-USGS-01 (ESF 5). One additional person continues to perform remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01 (ESF 5).

Seven rain gages were installed at existing streamgage locations to assist the National Oceanic and Atmospheric Administration (NOAA) and the National Weather Service in their flood forecasting and warning missions. USGS has completed the installation of a high-resolution video camera, donated by *EarthCam*, to monitor the Lago Guajataca spillway. The USGS is coordinating with FEMA on an amendment to MA 4339DR-PR-USGS-01 to deploy five personnel to Puerto Rico to provide onsite analysis and technical guidance on the increased, post-Maria landslide risk.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 23, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 23 at 3:00 a.m. EDT:

- *Puerto Rico:* The estimated customers receiving power is at 22-percent with 95-percent of Puerto Rico to be restored by December 15. Power grid transmission lines are at 25.4-percent energized and 36.5-percent of substations are energized. Potable water has been restored to more than 72-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 43 of the 51 PRASA wastewater treatment plants operational. The Guajataca Dam reservoir pool is approximately 5 feet below the spillway crest. There are two 18-inch pumps pumping water to an adjacent water canal which will allow downstream communities to start operating water treatment plants. Twenty bridges and 27 roadways have been assessed to date and source of funding for repairs has been identified. The U.S. Coast Guard (USCG) has coordinated supply runs to the southern portion of Isabela, a remote area that has received limited aid. Additionally, the USCG conducted a humanitarian operation in Utuado, delivering over seven pallets of water, two pallets of food, five boxes of donations, and helped clear debris and downed trees. The *USNS COMFORT* has treated 170 patients to date.
- *U.S. Virgin Islands:* The Virgin Islands Water and Power Authority (VIWPA) estimates 90-percent of the U.S. Virgin Islands power will be restored by November 23. Grid power serves 29-percent of the population for St. Thomas, 1.6-percent for St. Croix, and zero-percent for St. John. VIWPA will then begin to restore service to portions of Cruz Bay, St. John by October 28. Forty-eight percent of the cellular communication sites are

operational. Public bus service has resumed on St. Thomas. A third Disaster Recovery Center opened in St. Croix on October 21. Debris removal from Virgin Islands' roadways and neighborhoods has helped get businesses opened. The National Guard is supporting the U.S. Virgin Islands Police Department with security efforts and presence patrols. Additional schools have reopened on St. Thomas, St. John, and St. Croix. Students and teachers will return to the classroom; approximately 2,800 students are enrolled in the St. Thomas School District.

### **Port Aransas, Texas Fatal Barge Fire and Oil Spill**

Source: Office of Environmental Policy and Compliance, U.S. Fish and Wildlife Service, U.S. Coast Guard -October 22, 2017

The USCG, the Texas General Land Office, and Bouchard Transportation representatives continue to respond to a barge that caught fire on October 20, three miles off the jetties of Port Aransas, Texas. Although the fire is out, response efforts continue to minimize the impact to the environment and maritime community. On October 22, the USCG suspended search efforts to find the two unaccounted for crewmembers.

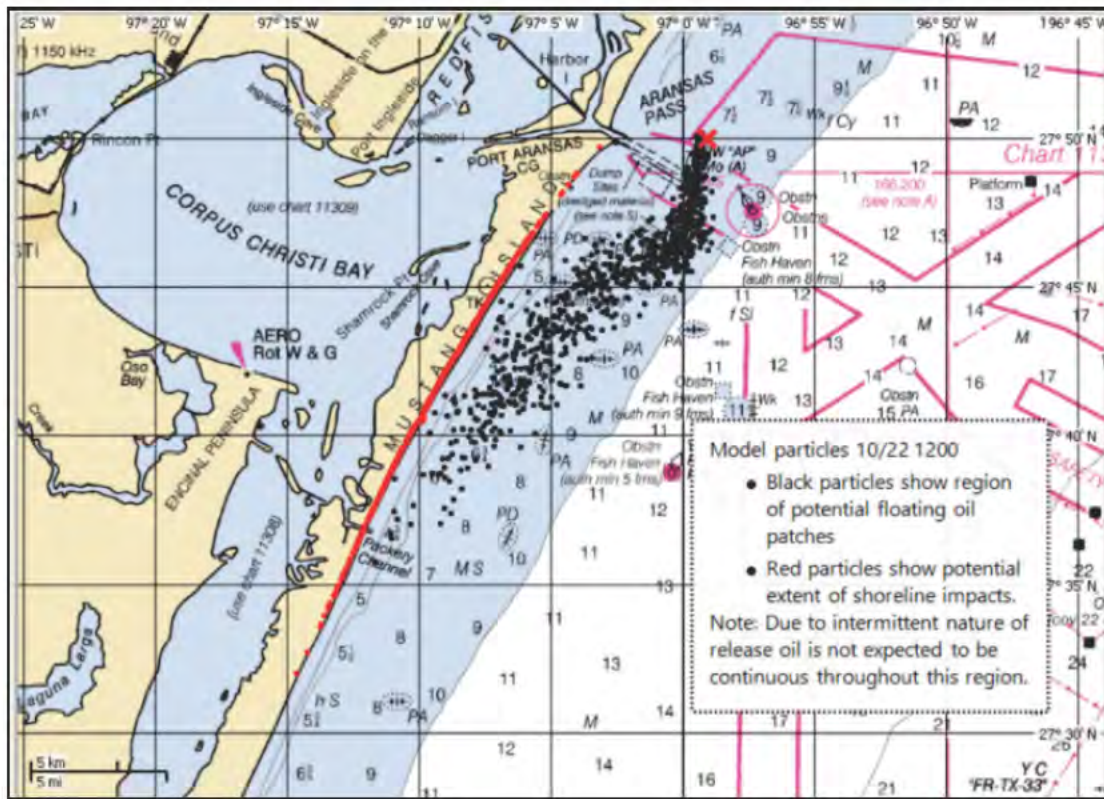
The barge has been lightered of approximately 2,500 barrels of product from the forward two tanks. The combination of the lightering and the raising of the bow of the vessel have caused the leak to slow and product does not appear to be leaking. The M/V *Southern Responder* has skimmed approximately 1,107 barrels of oily water from the area surrounding and to the south of the barge. Three teams of 20 workers have cleaned approximately 34 cubic yards of oil, sand, and debris from the Gulf Beach between mile markers 20 and 40. Per Miller contracting, they estimate 1,000 gallons of product per 12 cubic yards of material collected or 3,000 gallons of product collected from the beach.





Photos US Coast Guard

Two wildlife response teams have been deployed between the Padre Island National Seashore (NPS) and Port Aransas. They are actively engaged in assessing any impacted wildlife. U.S. Fish and Wildlife (USFWS) personnel from the Texas Coastal Ecological Service Field Office (ESFO) in Corpus Christi continue to monitor and provide support to the response. Personnel are working with Texas Parks and Wildlife Department to support wildlife operations, shoreline, and bird surveys. The USCG has reopened the Entrance Channel to inbound and outbound traffic. The port is now fully open with the exception of the restrictions outlined in marine safety information broadcast 16-17 regarding Hurricane Harvey. A 1,000-yard safety zone remains in effect around the barge.



NOAA Graphic

## **Jefferson Parish Fatal Platform Fire Response**

*Source: Bureau of Safety and Environmental Enforcement (BSEE) -October 19, 2017*

An engineer, an inspector, and an investigator in New Orleans with the Bureau of Safety and Environmental Enforcement (BSEE) are lending their expertise to the Jefferson Parish authorities to assist with the investigation of the recent oil and gas platform explosion and fire in state waters.

On October 15, when a platform explosion occurred in Louisiana's Lake Pontchartrain, BSEE's Gulf of Mexico Region received a request for assistance with the investigation. When incidents happen on offshore production platforms, the Bureau analyzes the evidence, interviews witnesses, determines the cause(s), and makes recommendations to prevent similar future events.

## **Gulf of Mexico Subsea Oil Discharge Update**

*Source: U.S. Coast Guard -October 22, 2017*

The U.S. Coast Guard (USCG) and the BSEE continue to respond to a report of an oil discharge from a damaged pipeline approximately 40 miles southeast of Venice, Louisiana. The pipeline, which is operated by LLOG Exploration, was secured upon discovery of the leak. On October 18, LLOG reported a revised estimated volume of unaccounted-for oil to the USCG and BSEE after additional data became available. These new calculations indicate that the total volume of oil discharged may be as much as 16,000 barrels (672,000 gallons), rather than the 9,350 barrels (392,700 gallons) initially reported.

The oil was discharged from a small crack in a pipeline located approximately 5,000 feet under water, which was pressurized to more than 3,000 psi. This high-pressure discharge through a small opening likely caused the oil to be broken down into small particles and disperse into deep-water currents prior to reaching the surface. Water samples taken along the trajectory path at various depths have not detected the presence of oil.

The USCG and BSEE have been coordinating with the responsible party and the NOAA to locate and respond to any oil that reaches the surface. Multiple daily over flights and remotely operated underwater vehicle inspections have been conducted with no recoverable oil detected. Skimming vessels from Clean Gulf Associates and the Marine Spill Response Corporation remain on standby. Surface and subsea trajectory models calculated by the responsible party and NOAA indicate that any discharged oil will drift in a southwestern direction and is not expected to impact the shoreline. Calculations indicate that the discovery of any recoverable oil is unlikely due to the depth and pressure at which the oil was released.

The USCG and BSEE will continue to coordinate with the responsible party throughout the investigation into the cause of this incident.

## Washington Flooding Activity

Source: U.S. Geological Survey (USGS) - October 22, 2017

Due to river flooding at many sites in western Washington that have exceeded the lower and middle flood stages, five crews from the two western Washington USGS field offices were out on October 22 making discharge measurements. There are eight stations that were forecast to exceed their lower flood stage, three forecast to exceed the moderate flood stage, and several of the high-elevation basins have already crested. The White River below Mud Mountain Dam will be above flood stage for a few days due to its limited flood-carrying capacity. There have been no reports of failing gages at this time.

## Wildland Fire Activity

### **Northern California Fire Activity**

Source: California Department of Forestry and Fire Protection - October 22, 2017



IGEMS Image

Six thousand firefighters continue their efforts in containing 10 active wildfires still burning in California. On October 21, strong winds in southern California rapidly spread a new wildfire in San Diego County. After a week of cooler weather, temperatures across the State are continuing to rise, and will hit triple digits today in southern California. The Tubbs Fire alone has broken the record as the most destructive wildfire in California's history.

Red Flag Warnings are in effect across southern California as gusty winds and low humidity have increased fire danger from Santa Barbara County down to San Diego County. Winds are expected to be strong, with gusts up to 55 mph. In response to the increased fire conditions, CAL FIRE has added extra staffing.

Since the start of the October Fire Siege on October 8, CAL FIRE responded to 250 new wildfires. At the peak of the wildfires, there were 21 major wildfires that, in total, burned over 245,000 acres. Eleven thousand firefighters battled the destructive fires that at one time forced 100,000 people to evacuate, destroyed an estimated 8,400 structures, and took the lives of 42 people.

## DOI Fire Activity

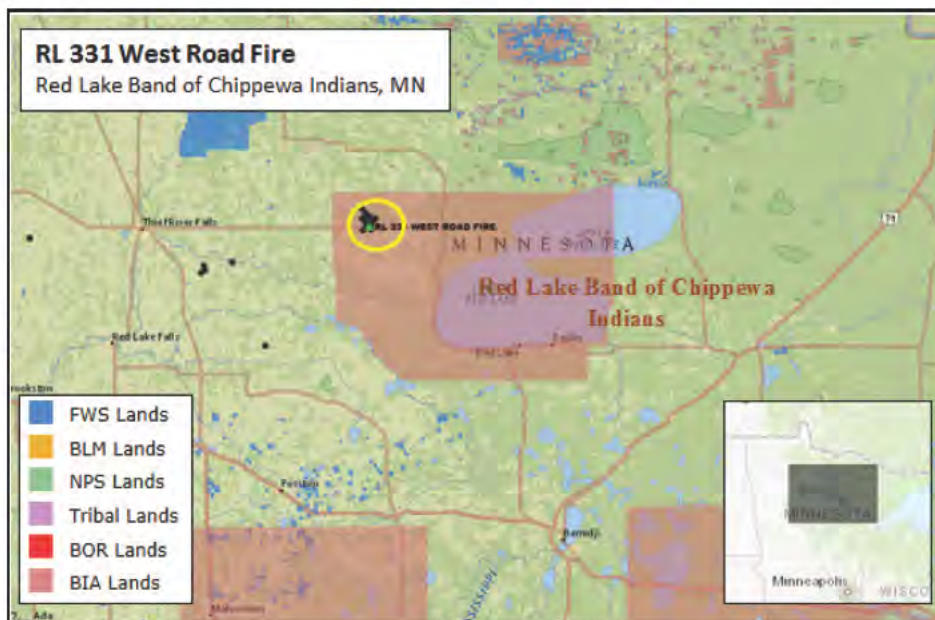
*Source: Fire and Aviation Management Website - October 23, 2017*

## Minnesota

### RL 331 West Road Fire (Initial)

- Start Date: October 20
- Location: Red Lake Band of Chippewa Indians (BIA)
- Burned Acres: 1,328
- Containment: 75-percent
- Management: Type-3 IMT
- Personnel Assigned / DOI: 28 / 0
- Structures Threatened-Single-Mixed Residential/Commercial: 2 / 0
- Evacuations / Sheltered in place: none
- Civilian Injuries / Fatalities: 0 / 0
- Responder Injuries / Fatalities: 0 / 0
- Containment Date: October 24

Comments: Fire is actively burning in grass and hardwoods. Crews are building direct line with tracked vehicles and mopping up hardwood hot spots.



IGEMS image

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 23, 2017

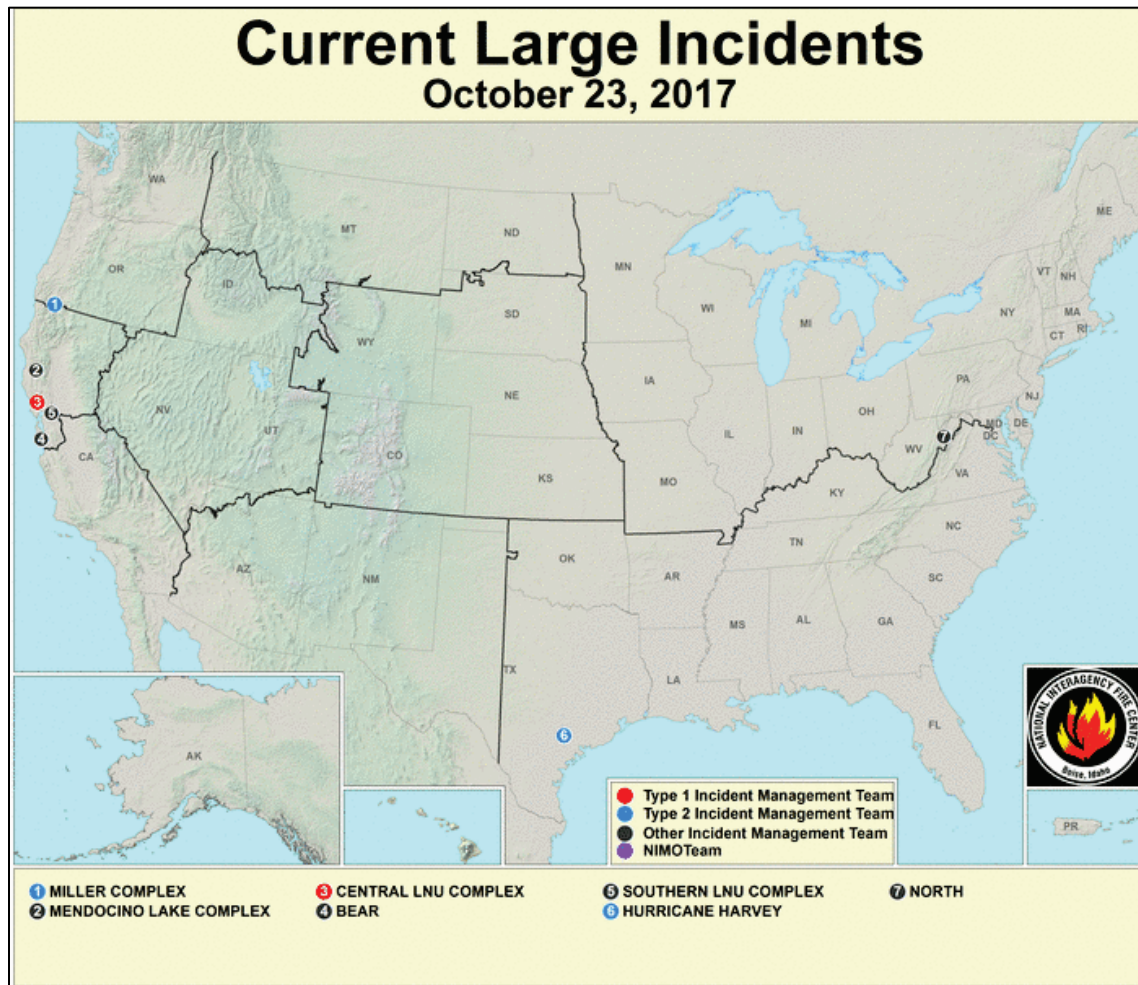
## National Preparedness Level 3

### National Fire Activity

Initial attack activity:	Light (50 new fires)
New large incidents:	1
Large fires contained:	0
Uncontained large fires: **	10
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## Volcano Activity

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 22, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland volcano continues. Light steaming was seen in several web camera views, but these observations are consistent with the existence of a hot lava dome in the summit crater. No significant activity related to lava effusion observed in seismic data and no explosive activity detected in infrasound data over the past day.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 22, 2017*

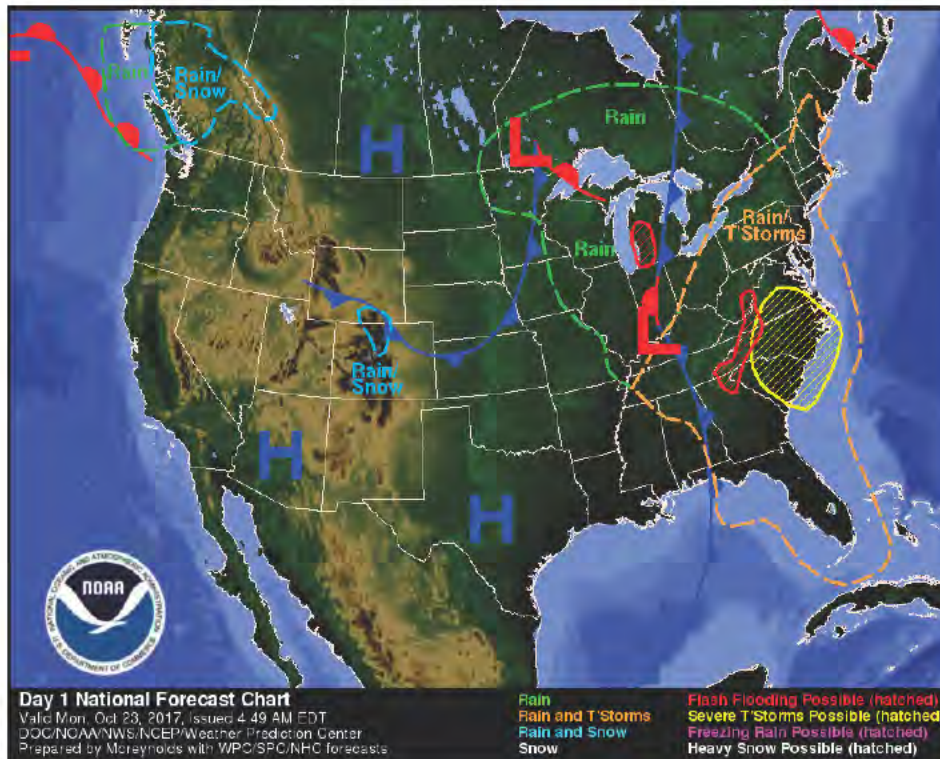
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## Significant National Weather

*Source: National Weather Service - October 23, 2017*





## **Today**

A potent storm system pushes through the Ohio Valley today. The storm's associated cold front will move through the Southeast and eastern Great Lakes. Rain and thunderstorms will develop from southern New England south into the Southeast and Florida. Strong to locally severe thunderstorms are expected from eastern Georgia to the mid-Atlantic this afternoon into the overnight hours. The primary threat will be damaging wind gusts, along with potential for a few tornadoes. Heavy rain, which could produce localized areas of flooding and flash flooding is forecast to develop over portions of the central and southern Appalachians and Carolina Piedmont mountains. Rain will develop across the remainder of the Great Lakes, the Midwest, and the upper Midwest. There will be heavy rain and flash flooding across portions of western Michigan. Elsewhere, dry weather is expected from the Great Plains to the West Coast. The only exception will be a lone area of rain and snow over the central Rockies.

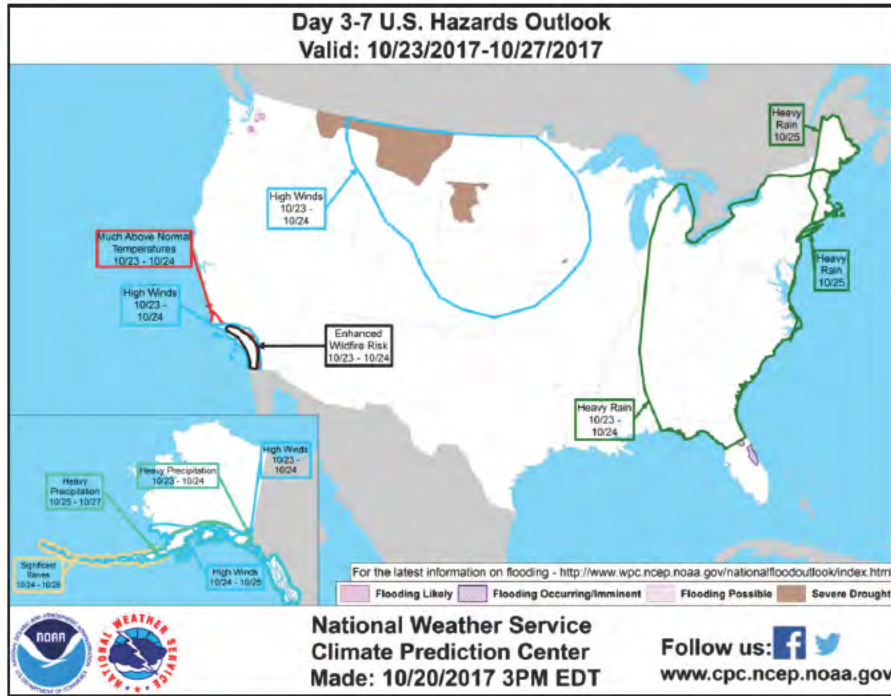
## **Tomorrow**

A low pressure system will move north into the northern Great Lakes. A strong cold front will continue to push through the east and extend from upstate New York south along the coast through central Florida. Rain and thunderstorms will develop from New England to the southern half of Florida. A few severe thunderstorms are possible Tuesday across parts of the Northeast, particularly near the northern mid-Atlantic coast northward through the Hudson Valley. These storms will be accompanied by the risk for potentially damaging wind gusts and possibly a couple of tornadoes. Heavy rain and flash flooding are forecast to develop across this same general region. Rain showers possible for parts of the eastern Great Lakes, the Ohio Valley, and a small area of the Midwest. Rain and snow are likely for the western Great Lakes region. Elsewhere, fair and dry weather is expected for the Deep South and from the Great Plains to the West Coast.

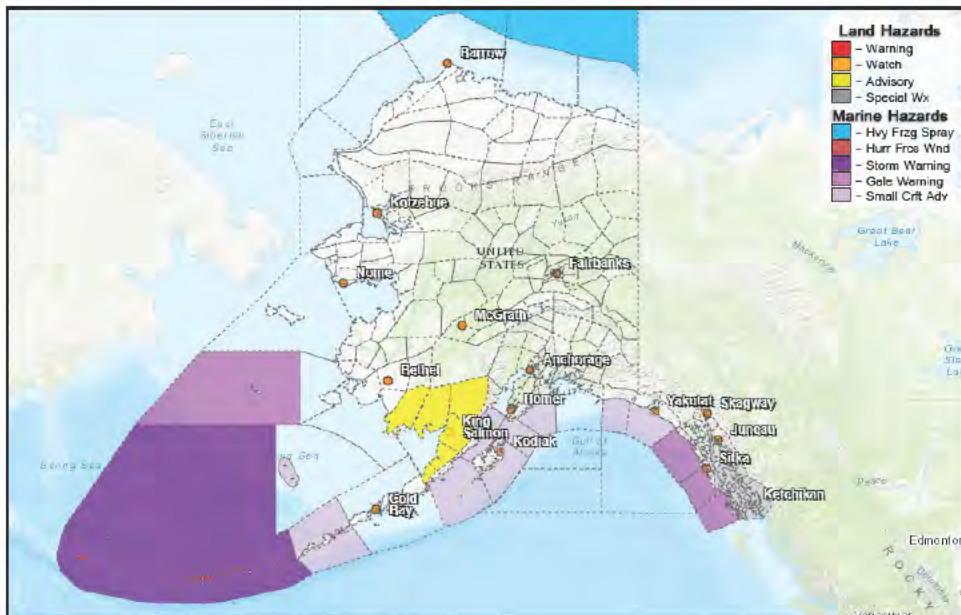
## **Weather Hazard Assessment**

- October 23: Severe Drought across the middle Mississippi Valley, the northern Plains, the northern Rockies, and Hawaii.
- October 23-24: High winds, much above normal temperatures, and enhanced wildfire risk across portions of California.
- October 23-24: Heavy rain across from the Southeast to the Great Lakes and Northeast.
- October 23-24: High winds across portions of the northern and central Plains, the northern and central Rockies, the middle Mississippi Valley, California, and the upper Mississippi Valley.
- October 23-24: Heavy precipitation across portions of the Alaska Panhandle and mainland Alaska.
- October 23-24: High winds across portions of the Alaska Panhandle and southern mainland Alaska.
- October 24-25: High winds across portions of the Alaska Panhandle, southern mainland Alaska, and the Aleutians.
- October 24-26: High significant wave heights for coastal portions of southern mainland Alaska and the Aleutians.
- October 25: Heavy rain across portions of the Northeast.

- October 25-27: Heavy precipitation across portions of the Alaska Panhandle and mainland Alaska.



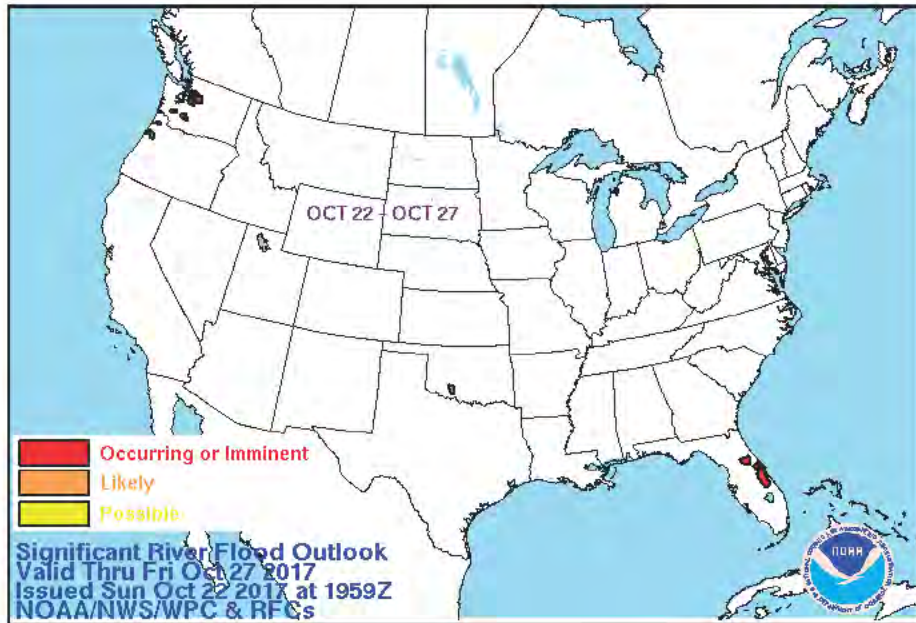
### Alaska Weather



A Storm Warning is in effect for the western Aleutians and the central Bering Sea. A Gale Warning is in effect around the St. Matthew Island waters, and from Dixon Entrance to Cape Fairweather along the eastern Gulf of Alaska. Small Craft Advisories are in effect around the Pribilof Islands, Kodiak waters, Unalaska waters, and parts of the northern Gulf of Alaska. A

Heavy Freezing Spray Warning is in effect for the central and eastern U.S. Arctic waters of the Beaufort Sea. A Winter Weather Advisory extends from the Nushagak Hills into the Alaska Peninsula.

### Significant River Flooding



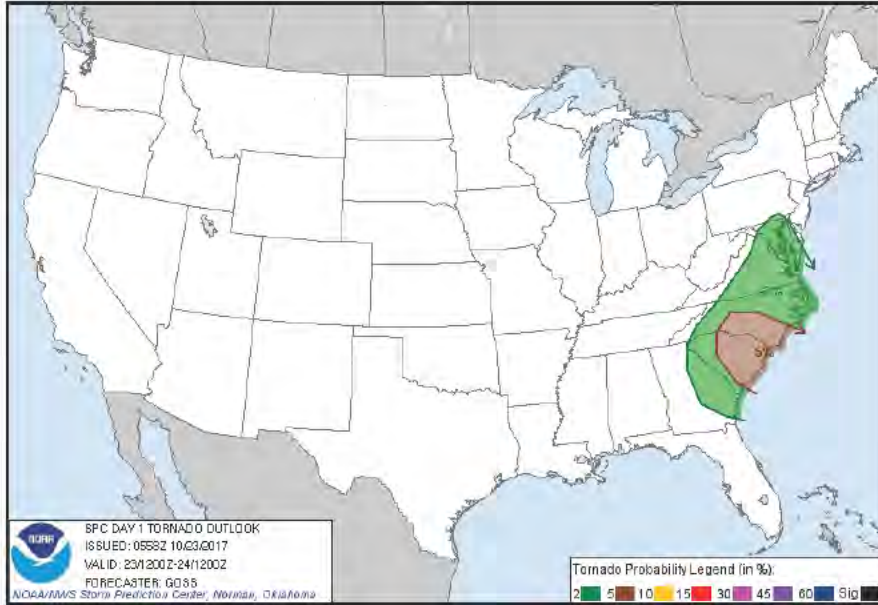
Significant river flooding is occurring or imminent across portions of eastern Florida and western Washington State. Flooding is also possible or likely in portions of western Washington, Oregon and Oklahoma.

### Severe Weather



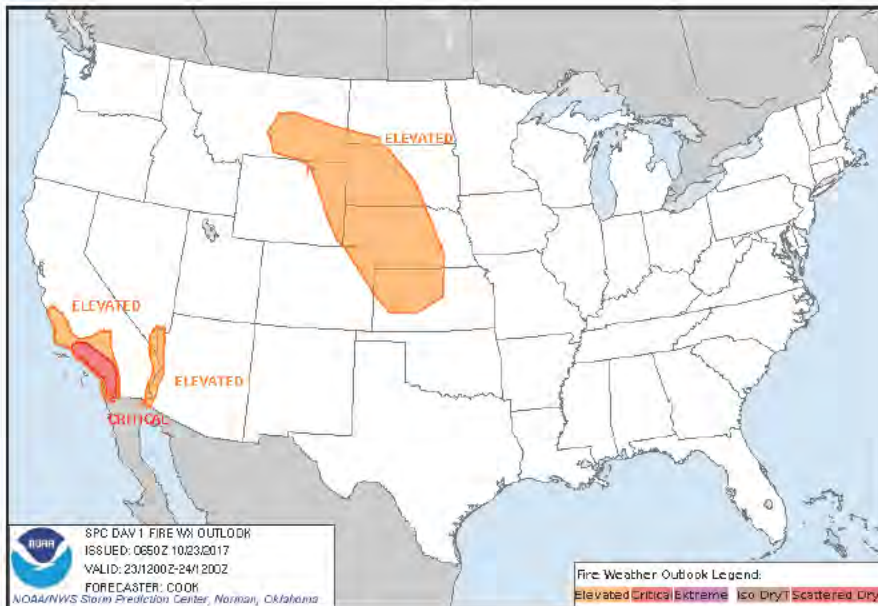
There is a Slight Risk of severe thunderstorms across the Carolinas and into central Virginia. There is a Marginal Risk of severe thunderstorms from Delaware south through Georgia.

### Tornado Weather



There is a five percent chance of tornadoes across the Carolina and into central Virginia. There is a two percent risk of tornadoes from Delaware south to central Georgia and west to the Appalachian Mountains.

### Fire Weather



There is Critical Fire Weather for the coastal ranges of southern California and Elevated Fire Weather for the coastal range from central through southern California, southeastern Montana southeastward to central Kansas, and the lower Colorado River Valley.

### Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 23, 2017

#### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

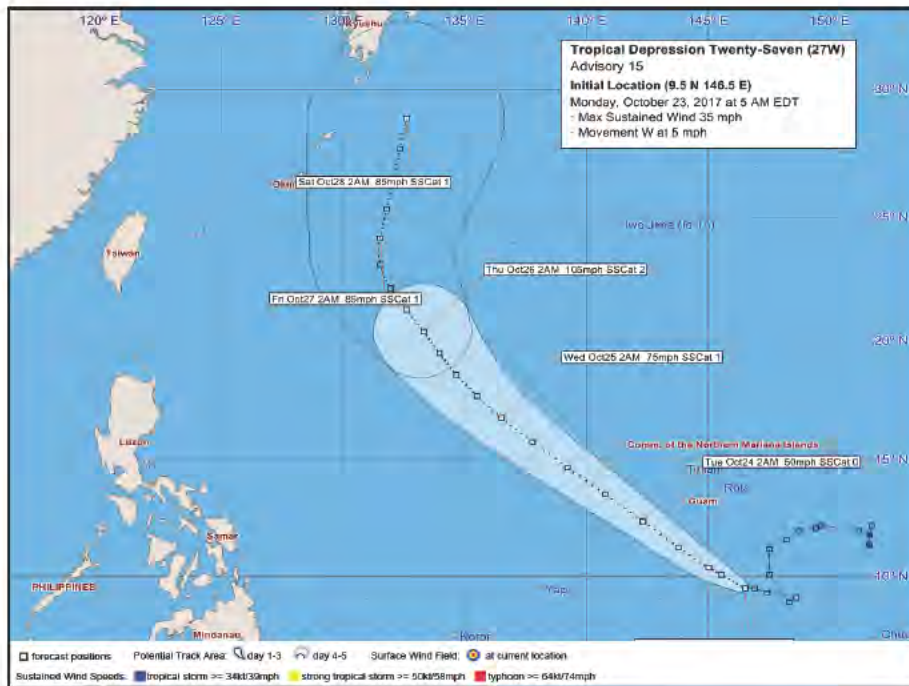
There is no tropical cyclone activity expected over the next 48 hours.

#### Eastern Pacific Ocean

There is no tropical cyclone activity expected over the next 48 hours.

#### Western Pacific Ocean

#### Tropical Depression 27W



At 5:00 a.m, EDT, the center of Tropical Depression 27W was about 330 miles south-southeast of Guam and moving west-northwest at 5 miles per hour (mph). Tropical Depression 27W is expected to turn northwest tonight through Wednesday with an increase of forward speed. This track still indicates the storm will pass southwest of Guam on Tuesday. Maximum sustained winds remain at 35 mph. Tropical Depression 27W is not expected to significantly intensify tonight, but some gradual strengthening is expected Tuesday and Wednesday.

A Tropical Storm Watch, High Surf Advisories, and Small Craft Advisories have been issued by the National Weather Service for Guam, Rota, and the surrounding waters. The Guam Homeland Security and Emergency Management Agency has been issuing public bulletins concerning possible impacts and disruptions caused by Tropical Storm 27W. The Acting Governor has maintained a Tropical Storm Condition III for the Island of Rota. Under these conditions, the public is advised to secure loose objects around their homes due to strong winds.

*\*End of Report\**

**Distribution:**

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EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, October 24, 2017

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**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 23, 2017*

Currently, there are no tropical systems that will threaten the region. Skies will be partly cloudy with highs in the low 90s and lows in the middle 70s. There is a chance of isolated showers across most of the island complex, with some of these showers providing heavy rain across higher terrain of western and central Puerto Rico. Some of these showers have already prompted need for area flood and urban and small stream flooding advisories. A Flash Flood Warning continues for the areas around the Guajataca Dam.

### **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

#### **United States Geological Survey**

*Source: United States Geological Survey (USGS) - October 23, 2017*

The USGS Caribbean-Florida Water Science Center (CFWSC) in Puerto Rico had 22 personnel in the field assessing damage and repairing gages under USGS authorities. USGS had four personnel performing data analysis under MA PR-17090102-USGS-01 (ESF 5). Five additional personnel are scheduled to deploy to Puerto Rico on October 25 to provide on site analysis and technical assistance under MA 4339DR-PR-USGS-01 (ESF 5). USGS also have one person

performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico under MA 4339DR-PR-USGS-01 (ESF 5).

USGS also reports that 10 of the 12 streamgages that were destroyed during Hurricane Maria have been rebuilt.

### **Office of Environmental Policy and Compliance**

*Source: Office of Environmental Policy and Compliance (OEPC) - October 23, 2017*

The OEPC is coordinating with the U.S. Coast Guard (USCG), the National Park Service (NPS), the U.S. Fish and Wildlife Service (USFWS), the Office of the Solicitor (SOL), and the Office of Emergency Management (OEM) on the issue of stranded vessels on DOI land in the Caribbean. The primary issue of concern is salvage and removal of vessels on federal land that are not eligible for ESF #10 (Oil and Hazardous Materials Response) funding through Federal Emergency Management Agency (FEMA).

USFWS continues to support ESF #10 operations on Puerto Rico and current efforts include:

- continuing to work the Coastal Barrier restriction and consultation issues with USCG,
- coordinating the Habitat Conservation Plan and Incidental Take Permit for Palmas del Mar,
- coordinating with FEMA regarding geographical information system (GIS) shapefiles of species to assist with project proposals, and
- coordinating with the Navy on vessel removal on Vieques.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 24, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 24 at 5:00 a.m. EDT:

- *Puerto Rico:* The estimated customers receiving power is at 18-percent with 95-percent of Puerto Rico to be restored by December 15. Power grid transmission lines are at 25.4-percent energized and 36.5-percent of substations are energized. Potable water has been restored to more than 72-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 43 of the 51 PRASA wastewater treatment plants operational. Eighty-five percent of the wireless voice and text service has been restored. Approximately 3,837 personnel from the Puerto Rico National Guard (NG) and Emergency Management Assistance Compact are concentrating on commodity distribution, debris clearance, and medical missions. The USNS Robert E. Peary is expected to arrive on October 25 to bring the 3rd Expeditionary Sustainment Command, 800 pallets of water, and MREs.
- *U.S. Virgin Islands:* The Virgin Islands Water and Power Authority (VIWPA) estimates 90-percent of the U.S. Virgin Islands power will be restored by November 23. Grid



power serves 29-percent of the population for St. Thomas, 1.6-percent for St. Croix, and St. John is expected to begin restoration next week. Telecommunication officials report 48.87 percent of the cellular sites are operational and 88 percent of the population lives in areas where voice and text wireless service has been restored. The NG is supporting the U.S. Virgin Islands Police Department with security efforts and presence patrols.

### **Port Aransas, Texas Fatal Barge Fire and Oil Spill**

*Source: Office of Environmental Policy and Compliance, U.S. Fish and Wildlife Service, U.S. Coast Guard - October 23, 2017*

The USCG, the Texas General Land Office, and Bouchard Transportation representatives continue to respond to a barge that caught fire on October 20, three miles off the jetties of Port Aransas, Texas. Although the fire is out, response efforts continue to minimize the impact to the environment and maritime community. The Barge remains at anchor in the Port Aransas anchorage area.

The barge has been lightened of some cargo, which has raised the bow of the vessel. Observers on scene confirmed that even though the pipe previously leaking is open there is no leakage occurring. There is some sheen near the vessel, but none in or north of the ship channel, which has been reopened to outbound traffic. This was confirmed by an overflight.

The total volume of oil discharged to the water remains unknown at this time. Approximately 2,000 barrels (bbls) were accounted for, but it is uncertain what remains in the void space, what was contained around the barge, and what was transported away from the site.

Combined observations from Shoreline Cleanup Assessment Technique (SCAT) teams, cleanup teams, and bird surveys show oiling on the southern end of Mustang Island extending to portions of North Padre Island. The Incident Command Post (ICP) is establishing a battle rhythm and improved information flow as various subject area specialists arrive. Specific locations have not all been collated into a map showing full geographical extent, but should be completed today.

### **Wildland Fire Activity**

#### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - October 24, 2017*

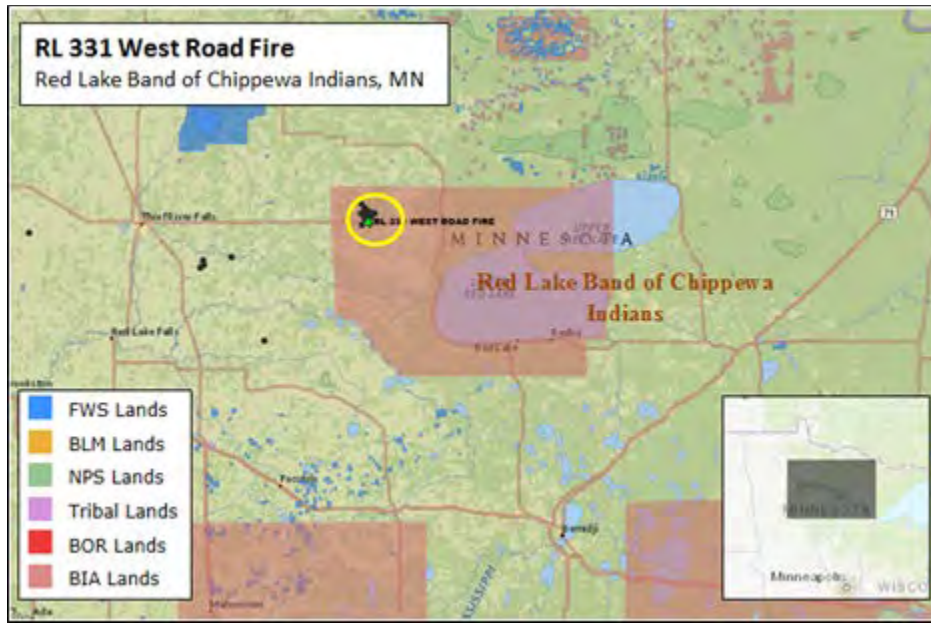
### **Minnesota**

#### **RL 331 West Road Fire**

- Start Date: October 20
- Location: Red Lake Band of Chippewa Indians (BIA)
- Burned Acres: 1,328 (no change)
- Containment: 90-percent (+15)
- Management: Type-3 IMT
- Personnel Assigned / DOI: 10 (-18)/ 6 (+6)

- Structures Threatened-Single-Mixed Residential/Commercial: 2 (no change) / 0 (no change)
- Evacuations / Shelter in place: 0 (no change)/ 0 (no change)
- Civilian Injuries / Fatalities: 0 (no change) / 0 (no change)
- Responder Injuries / Fatalities: 0 (no change) / 0 (no change)
- Containment Date: October 24

Comments: Fire is minimal, burning in grass and hardwoods. There was limited fire spread and crews are keeping the fire within the reservation boundary.



## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 24, 2017

As of 12:00 p.m. EDT, October 23, the National Preparedness Level (PL) was decreased to Level 2 due to a reduction of resource commitment nationally and adequate resource capability to meet any current needs in active Geographic Areas.

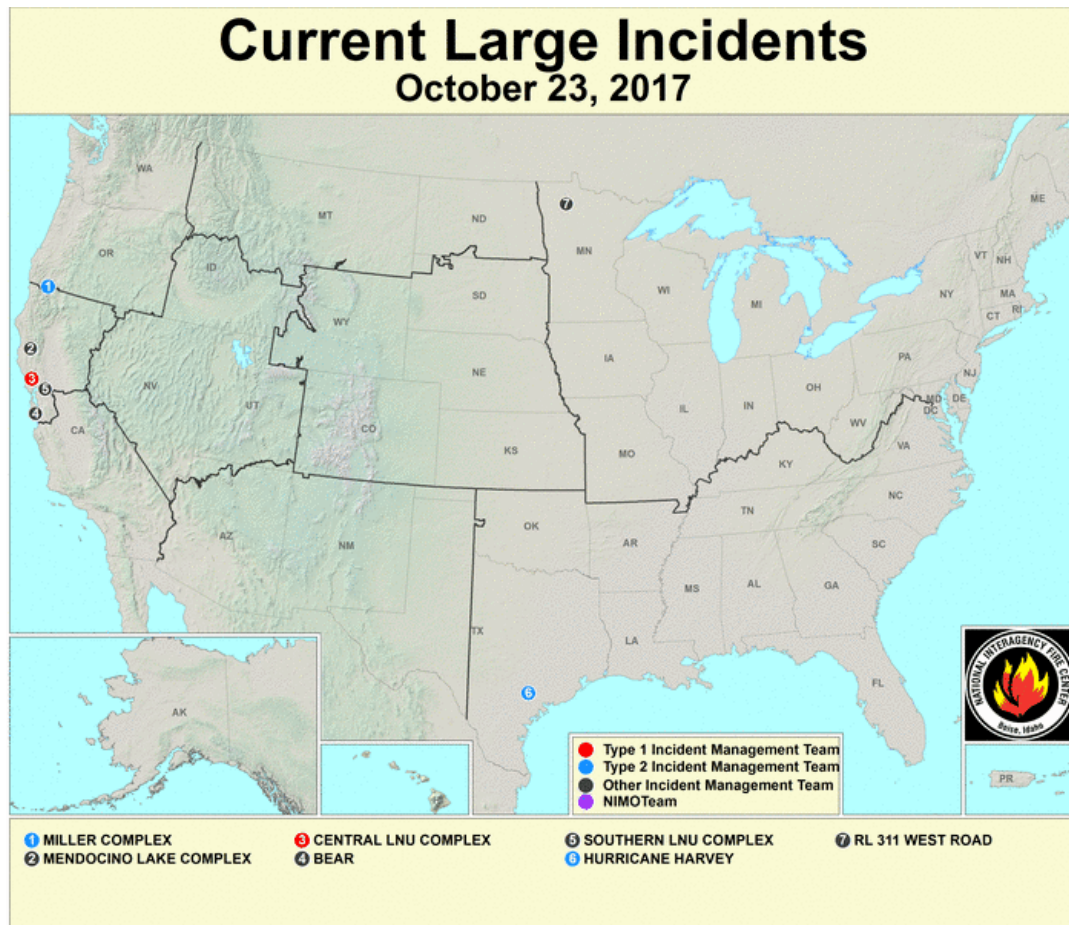
### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (21 new fires)
New large incidents:	3
Large fires contained:	3
Uncontained large fires: **	10
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 23, 2017

Alert Level = WATCH

Color Code = ORANGE

Unrest at Cleveland volcano continues. Light steaming was seen in several web camera views, and these observations are consistent with the existence of a hot lava dome in the summit crater. No significant activity related to lava effusion observed in seismic data and no explosive activity detected in infrasound data during the reporting period.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 23, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

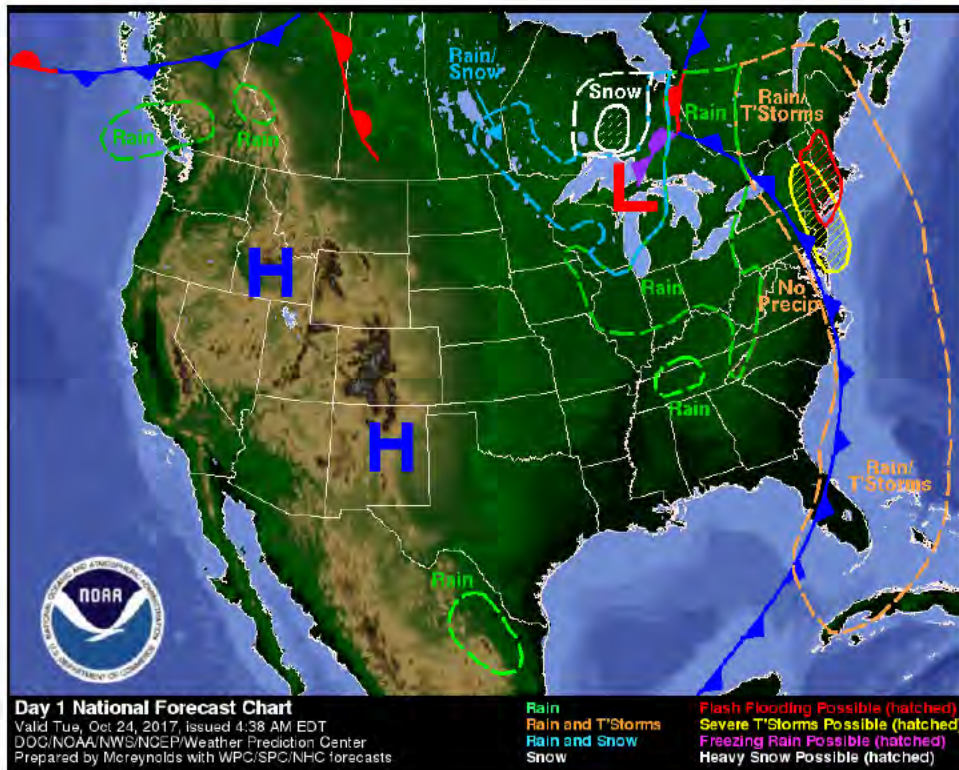
Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

## Earthquake Activity

The United States Geological Survey (USGS) reported that a magnitude 6.7 earthquake occurred Tuesday, October 24 at 6:47 a.m. EDT, at a depth of 341 miles, approximately 59 miles north-northeast of Basira Satu, Indonesia. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was warning issued as a result of this event.

## Significant National Weather

Source: National Weather Service - October 24, 2017



## **Today**

A strong cold front will extend from central Florida north through the mid-Atlantic and the Northeast, back to an area of low pressure centered over the northern Great Lakes. Rain and thunderstorms are expected from the Northeast and New England south along portions of the East Coast to southern Florida. A few severe thunderstorms are possible today across portions of the Northeast, particularly across New Jersey northward through the Hudson Valley. These storms will be accompanied by a risk for a few strong to damaging wind gusts and possibly a tornado or two. In addition to severe thunderstorms, heavy rain and flash flooding will be possible from Long Island northward to Vermont and New Hampshire. Rain will blanket the Midwest, the eastern Great Lakes, the Ohio Valley, and southern Appalachians. Rain and snow will be possible for portions of the upper Midwest and the western Great Lakes. Snow, possibly heavy in areas, is likely just north of Lake Superior. Elsewhere, fair and dry weather will persist from the the Deep South, across the Great Plains to the West Coast. Very warm and windy conditions possible for southern California.

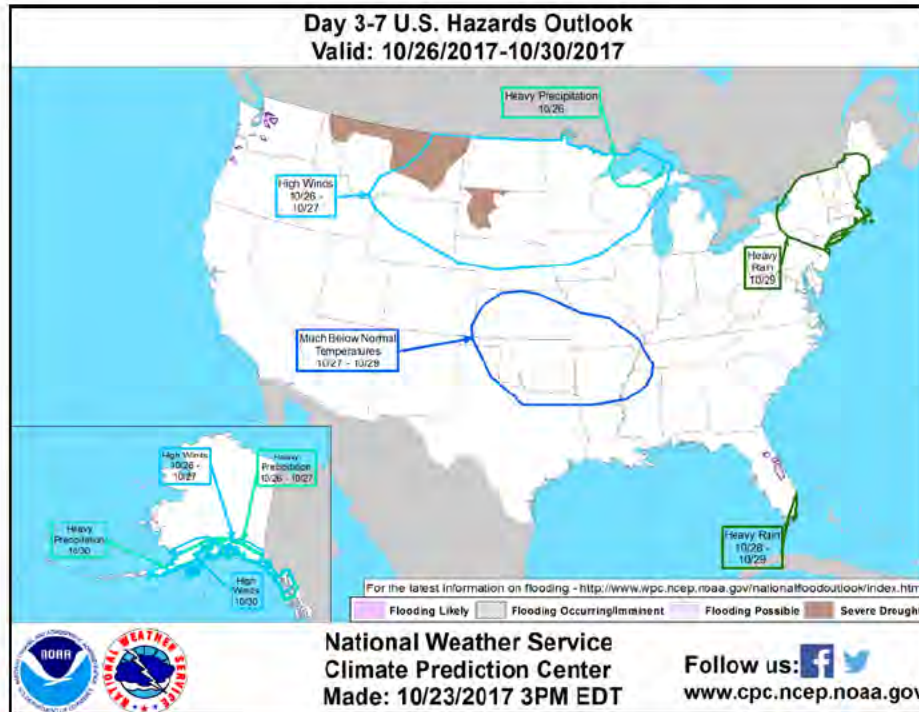
## **Tomorrow**

The East Coast cold front will now stretch from New England south to the far southern tip of Florida. Rain and thunderstorms will continue across portions of New England, the Outer Banks of North Carolina, and the southern tip of Florida. Thunderstorms may impact eastern portions of southern New England Wednesday, accompanied by at least some risk for potentially damaging wind gusts. Heavy rain and flash flooding will be possible for eastern Maine and portions of New Brunswick. Rain will continue for parts of the eastern Great Lakes, the upper Ohio Valley, the central Appalachians, and portions of the Midwest. Rain and snow will be possible for the highest elevations of the central Appalachians. A weather system will begin to drop into the upper Midwest and the western Great Lakes. Rain and snow will develop over parts of the northern Great Lakes and from the western Great Lakes and the upper Midwest westward across the far northern High Plains and the Canadian Rockies. Another frontal system will begin to move into the Pacific Northwest. Rain will develop across the western regions of the Northwest, British Columbia, and Vancouver Island. Rain and snow are forecast for the Northern Rockies and the Canadian Rockies. Elsewhere, an area of high pressure over Nevada will produce hot, dry, and windy weather across California, the Great Basin, and the Southwest. More dry weather is expected for the central and the southern Great Plains, the middle and lower Mississippi Valley, and the Deep South.

## **Weather Hazard Assessment**

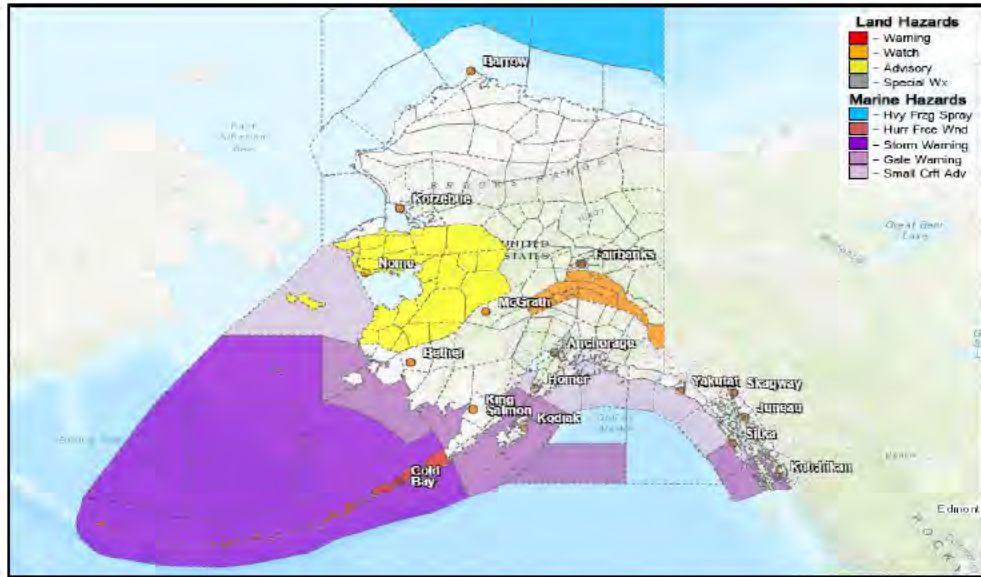
- October 26: Heavy precipitation across portions of the Great Lakes.
- October 28-29: Heavy rain across portions of Florida.
- October 29: Heavy rain across portions of the mid-Atlantic and the Northeast.
- October 26-27: High winds across portions of the northern and central Plains, the Northern Rockies, and the upper and middle Mississippi valleys.
- October 27-29: Much below normal temperatures across portions of the southern and central Plains, the middle and lower Mississippi valleys, and the Tennessee Valley.
- October 26-27: Heavy precipitation across portions of the Alaska Panhandle and southern mainland Alaska.

- October 26-27: High winds across portions of the Alaska Panhandle and southern mainland Alaska.



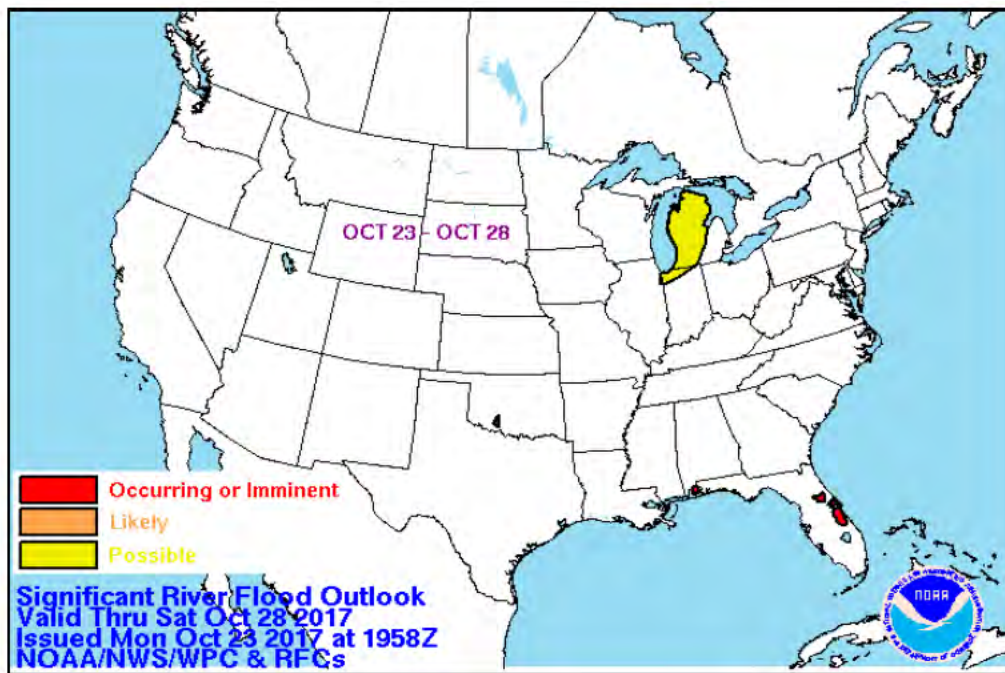
## Alaska Weather

A Storm Warning is in effect for the Aleutians and the central Bering Sea. A Gale Warning is in effect for the western Gulf of Alaska, Bristol Bay, the Kuskokwim Delta and Etolin Strait, Nunivak Island, and from Dixon Entrance to Cape Fairweather along the eastern Gulf of Alaska. Small Craft Advisories are in effect around portions of the central and eastern Gulf of Alaska, the Cook Inlet, and from Dall Point to Wales. A Winter Weather Advisory is in effect for St. Lawrence Island and the Bering Strait Coast, the Yukon Delta, eastern Norton Sound and Nulato Hills, and the southern Seward Peninsula Coast. A High Wind Watch is in effect for Denali, the Deltana and Tanana Flats, and the eastern Alaska Range. A High Wind Warning is in effect for portions of the central and eastern Aleutians, and the Alaska Peninsula.



### Significant River Flooding

Significant river flooding is occurring or imminent across portions of eastern and western Florida and southern Oklahoma. Flooding is also possible in portions of Michigan and northern Indiana.

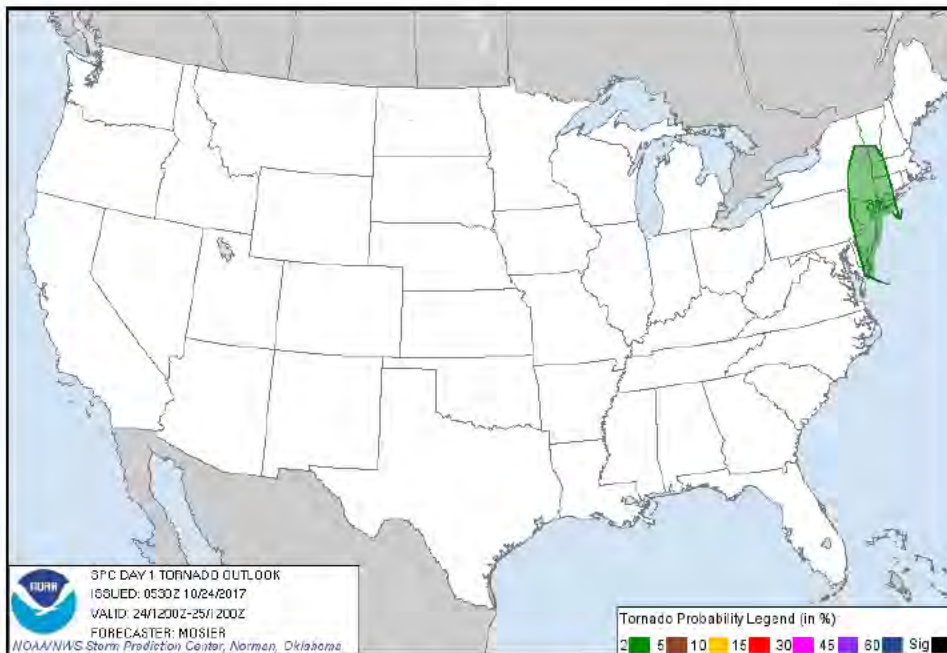


## Severe Weather



There is a Slight Risk of severe thunderstorms across portions of the Northeast states, and northern mid-Atlantic states into southern New England.

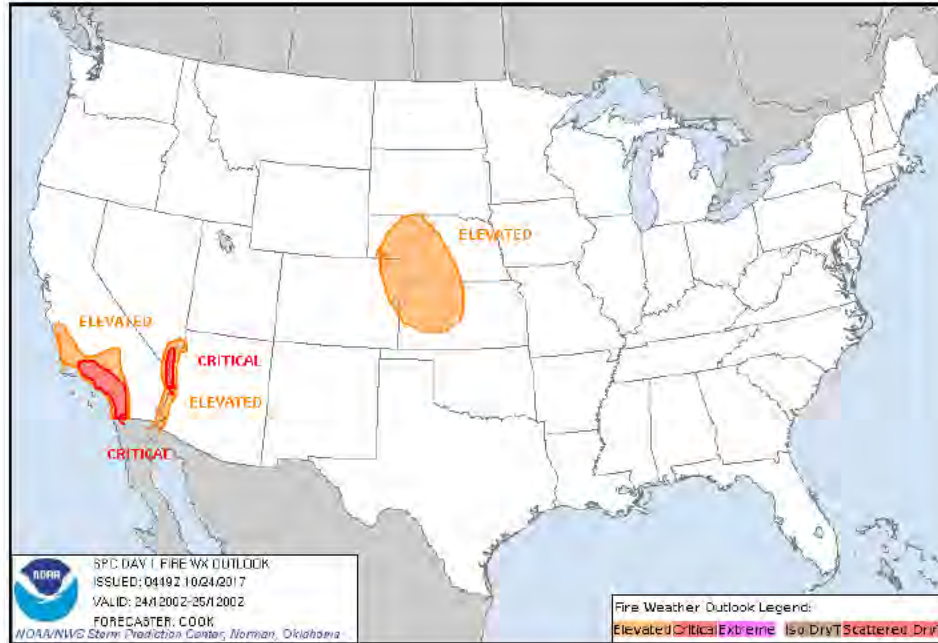
## Tornado Weather



There is a two percent risk of tornado activity from eastern Pennsylvania, New Jersey, Maryland, Delaware, western Connecticut, western Massachusetts, southern Vermont, and eastern New Hampshire.



## Fire Weather



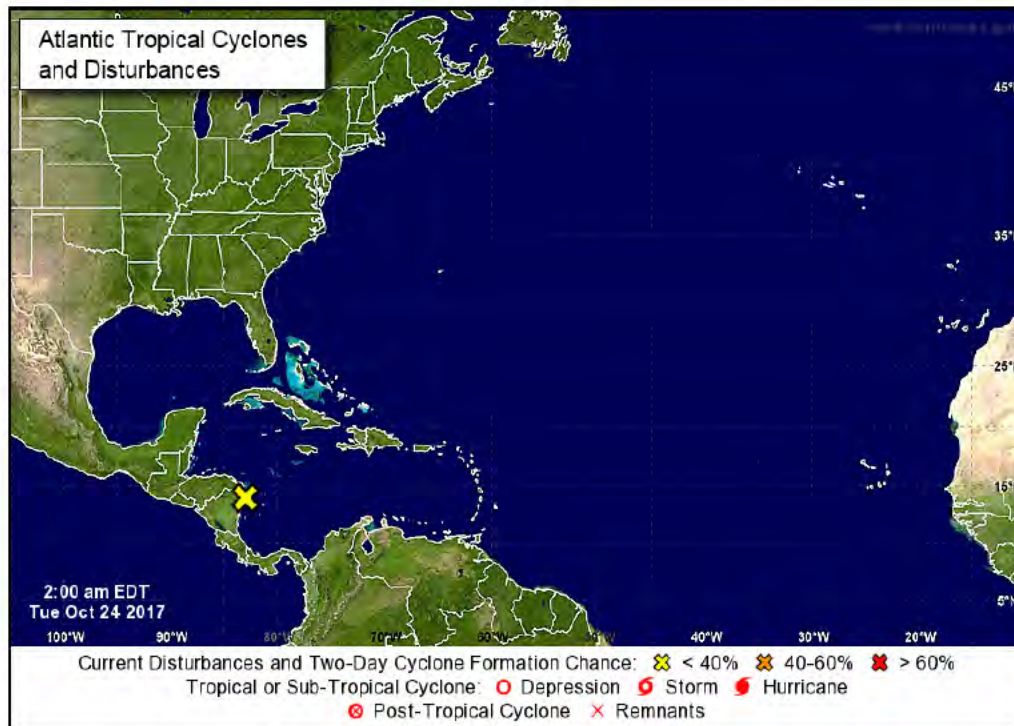
There is Critical Fire Weather for the coastal ranges of southern California and the lower Colorado River Valley. Elevated Fire Weather for the coastal range from central through western California, southeastern Nevada, northeastern Colorado, central Nebraska, and north central Kansas,

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 24, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

**Area 1-** An elongated low pressure system located near the northeastern coast of Nicaragua is producing widespread cloudiness and disorganized thunderstorms over much of the northwestern and southwestern Caribbean Sea, and the adjacent coastal areas of northeastern Nicaragua and eastern Honduras. Further development, if any, should be slow to occur for the next couple of days due to interaction with the landmass of Central America. However, environmental conditions are expected to be conducive thereafter for some development to occur over the northwestern Caribbean Sea while the system moves slowly northward. Chance of formation is a low 10 percent.



## Eastern Pacific Ocean

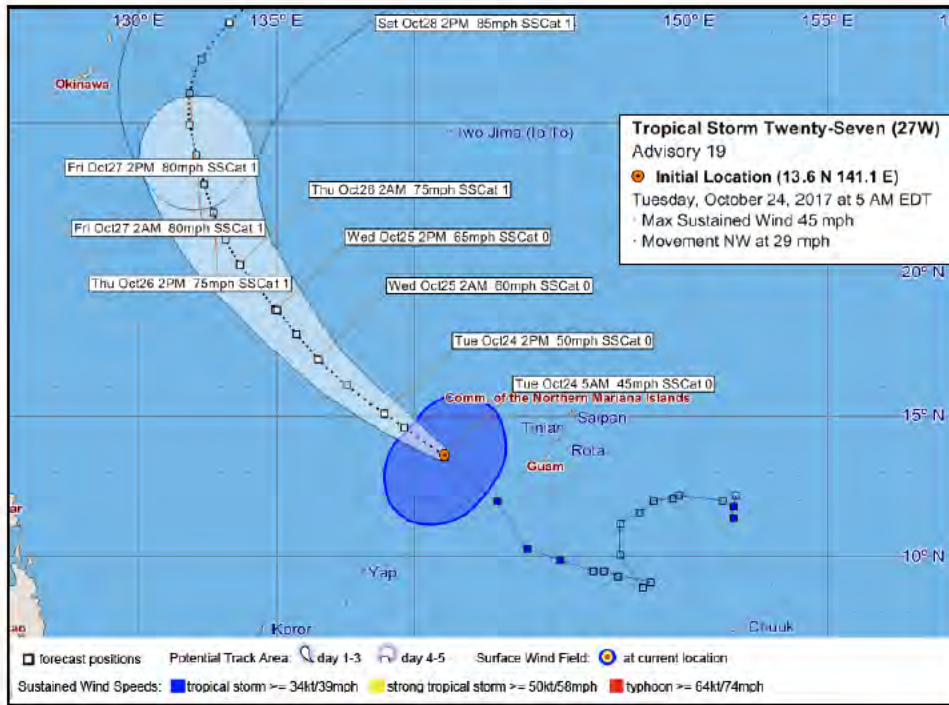
There is no tropical cyclone activity expected over the next 48 hours.

## Western Pacific Ocean

### Tropical Storm 27W

At 5:00 a.m, EDT, the center of Tropical Storm 27W was about 220 miles south-southwest of Andersen AFB, Guam and moving west at 13 miles per hour (mph). Tropical Storm 27W is expected to turn northwest today with an increase of forward speed. This track still indicates the storm will pass southwest of Guam. Maximum have decreased to 40 mph, but expected to intensify this afternoon once in the Philippine Sea. It's track is uncertain once passing through Guam and Fais.

A Tropical Storm Watch, High Surf Advisories, and Small Craft Advisories have been issued by the National Weather Service for Guam, Rota, and the surrounding waters.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, October 25, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 24, 2017*

Currently, there are no tropical systems that will threaten the region. Partly cloudy skies will prevail with highs in the low 90s and lows in the middle 70s. There is a chance of isolated showers across most of the island complex, with some of these showers providing heavy rain across higher terrain of western and central Puerto Rico. Some of these showers may prompt the need for areal flood, urban, and small stream flooding advisories. A Flash Flood Warning continues for the areas around Guajataca Dam through the morning hours.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 25, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 25 at 5:00 a.m. EDT:

- *Puerto Rico:* The estimated customers receiving power is at 24.4-percent with 95-percent of Puerto Rico to be restored by December 15. Power grid transmission lines are at 25.4-percent energized and 36.5-percent of substations are energized. Potable water

has been restored to more than 73.7-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 42 of the 51 PRASA wastewater treatment plants operational. Eighty-seven percent of the wireless voice and text service has been restored. The USNS Robert E. Peary is expected to arrive today to bring the 3rd Expeditionary Sustainment Command, 800 pallets of water, and MREs.

- *U.S. Virgin Islands:* The Virgin Islands Water and Power Authority (VIWPA) estimates 90-percent of the U.S. Virgin Islands power will be restored by November 23. Grid power serves 30-percent of the population for St. Thomas, 2.9-percent for St. Croix, and St. John is expected to begin restoration within two to three weeks. Telecommunication officials report 48-percent of the cellular sites are operational.

A Joint Field Office (JFO) has been established in San Juan and another is planned for Christiansted, St Croix. There are over 20,000 federal personnel that are directly supporting recovery operations in Puerto Rico and the U.S. Virgin Islands.

### **Port Aransas, Texas Fatal Barge Fire and Oil Spill**

*Source: Office of Environmental Compliance - October 24, 2017*

The Barge remains off the Port Aransas Channel along with two support vessels. High volume foam is being placed in the void space to keep lower explosive limits (LEL) at acceptable levels until lightering and transit operations are complete. The Barge has released no additional product and no floating oil was observed during the afternoon overflight.

Approximately 2,146 barrels (bbls) of oily water mixture were skimmed from the water and 1,900 feet of containment and deflection boom remain in place within the Port. There are 126 personnel supporting Gulf Beach cleanup efforts. Some sections have been completed and others have a light trace or very light amounts of oil. Approximately, 48 cubic yards of oil and sand have been removed from the beach.

Shoreline Cleanup Assessment Technique (SCAT) has been completed with no new oil impacts identified and a 1,000 foot safety zone continues around the Barge. Wildlife teams continue to conduct evaluations in the field. The Texas General Land Office, the U.S. Coast Guard (USCG), and the Bouchard Transportation will continue to be committed to working together until the completion of this event.

### **Bureau reports on Barge Spill**

#### **Padre Island National Seashore (NS)**

*Source: National Park Service (NPS) - October 24, 2017*

Padre Island NS is reporting a slight amount of oil on the beaches within the first 10 miles. The park has observed small numbers of oiled birds and a northeastern wind is keeping the bulk of the oil off shore at this time; however, the situation could change when the wind shifts to a normal southeastern direction. The oil is described as a heavy fuel oil that has a long residence time in the environment.

## **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - October 25, 2017*

The **RL 331 West Road Fire** (Minnesota) reached 100-percent containment overnight and will no longer be summarized in this report.

## **Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 25, 2017*

As of 12:00 p.m. EDT, October 23, the National Preparedness Level (PL) was decreased to Level 2. Large wildland fire and attack activity has decreased nationally and demobilization is occurring on the majority of large fires. Competition for resources has significantly decreased.

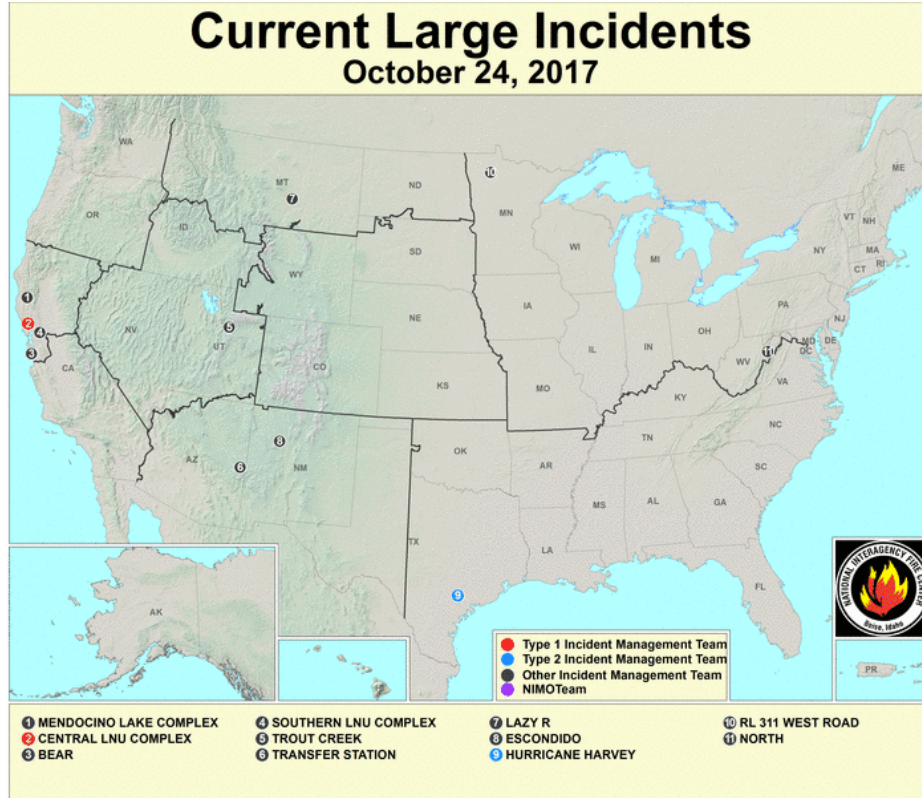
### **National Preparedness Level 2**

#### **National Fire Activity**

Initial attack activity:	Light (58 new fires)
New large incidents:	0
Large fires contained:	1
Uncontained large fires: **	9
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Large Fire Map



## Volcano Activity

### Cleveland Volcano, AK

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 24, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest at Cleveland volcano continues and satellite imagery showed moderately elevated surface temperatures at the summit. Light steaming was seen in several web camera views, and these observations are consistent with the existence of a hot lava dome in the summit crater. No significant activity related to lava effusion observed in seismic data and no explosive activity detected in infrasound data during the reporting period.

### Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 24, 2017

**Alert Level = WATCH**

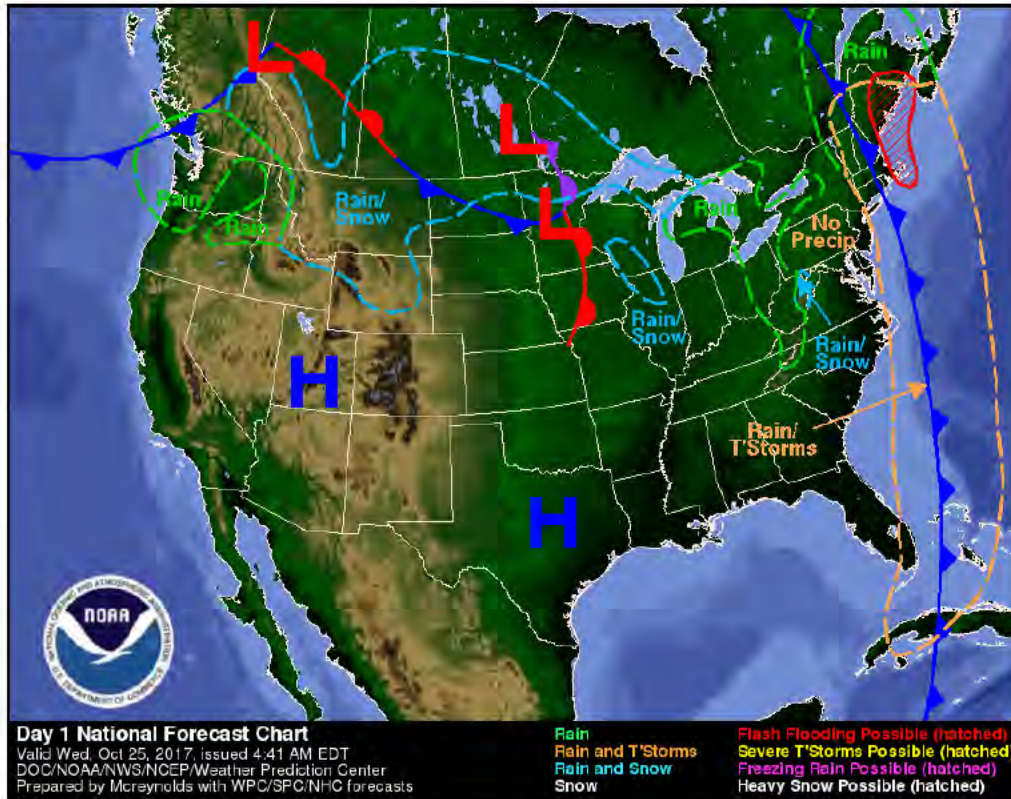
**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is

producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist.

### ***Significant National Weather***

*Source: National Weather Service - October 25, 2017*



### **Today**

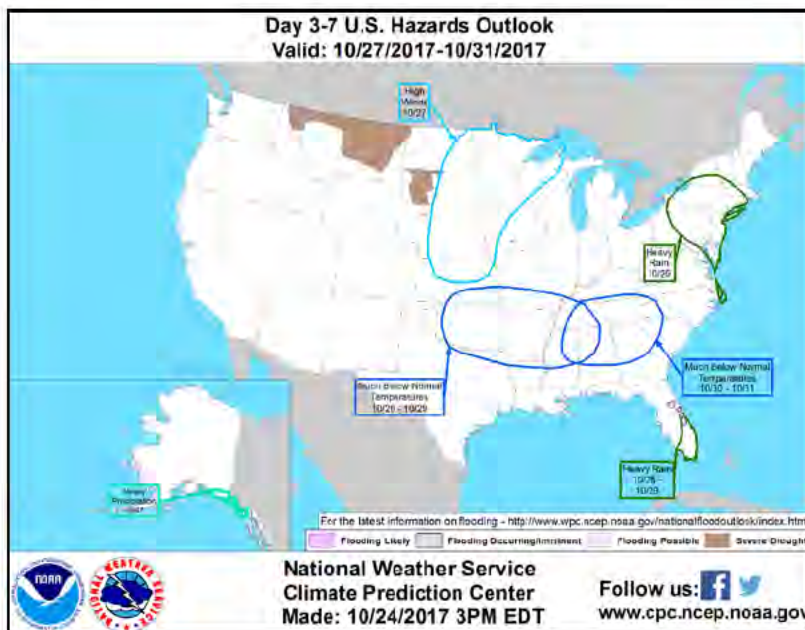
A cold front that has moved across the eastern third of the nation over the past few days will now extend from New England south across the western Atlantic to central Cuba. Rain and thunderstorms will be possible across New England, the Outer Banks of North Carolina, and the southern tip of Florida. Heavy rain will move through eastern New England during the day today. The heaviest rain will be found across the eastern portions of Maine and Cape Cod, where there will be the threat of localized flooding and flash flooding. Rain showers will be scattered across the eastern Great Lakes, the upper Ohio Valley, and the central Appalachians. Enough cold air will filter in over portions of the central Appalachians to produce a few areas of rain and snow over some of the highest elevations. A clipper type system will drop into the upper Midwest and northern Plains. Rain and snow will develop across portions of the upper Midwest, the northern Plains, and the northern Rockies. A cold front will push into British Columbia and the Pacific Northwest. Rain is likely across most of the Northwest. Elsewhere, an area of high pressure will be located over Utah. Hot, dry, and windy conditions will persist across the Great Basin, the Southwest, and California. These conditions will produce Critical Fire Weather for southern California. There will be more fair and dry weather expected for the Great Plains and the Deep South.



## Tomorrow

The East Coast frontal system will remain around Maine. Rain and thunderstorms are possible from the Canadian Maritimes south along the Coast to the mouth of Chesapeake Bay. Heavy rain and flash flooding will be possible for far eastern Maine. Rain is expected from Quebec south into the Northeast. Rain and snow will continue across the highest elevations of the central Appalachians. A complex weather system will stretch from the upper Midwest across the central Plains through the central Rockies to the northern Great Basin. Rain and snow will develop across the western Great Lakes, the upper Midwest, portions of the western Plains, and the central Rockies. Heavy snow is forecast for far northern Minnesota. Snow is also forecast for parts of the northern Rockies. Dry weather will continue for the Southwest and western third of the nation. Fire weather conditions should improve over southern California. Fair and dry weather is on tap for the southern Plains, the lower Mississippi Valley, and the Deep South. The only exception will be a few showers and thunderstorms near Arkansas, Louisiana, Oklahoma, and Texas.

## Weather Hazard Assessment

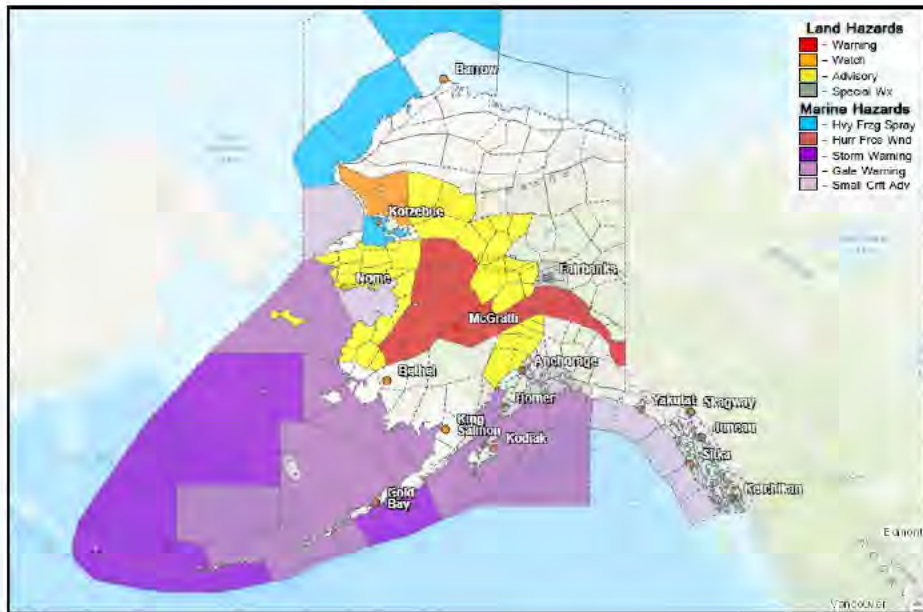


- October 27: Heavy precipitation for parts of southeastern mainland Alaska and the northern Alaska Panhandle.
- October 27: High winds for the upper Mississippi Valley, and the northern to central Great Plains.
- October 28-29: Heavy rain for the Florida Keys along with parts of central and southern Florida.
- October 28-29: Much below-normal temperatures for parts of the central and southern Great Plains, the Ozarks, and the lower Mississippi Valley.
- October 29: Heavy rain from the Outer Banks north to New England.

- October 30-31: Much below-normal temperatures for parts of the Southeast.

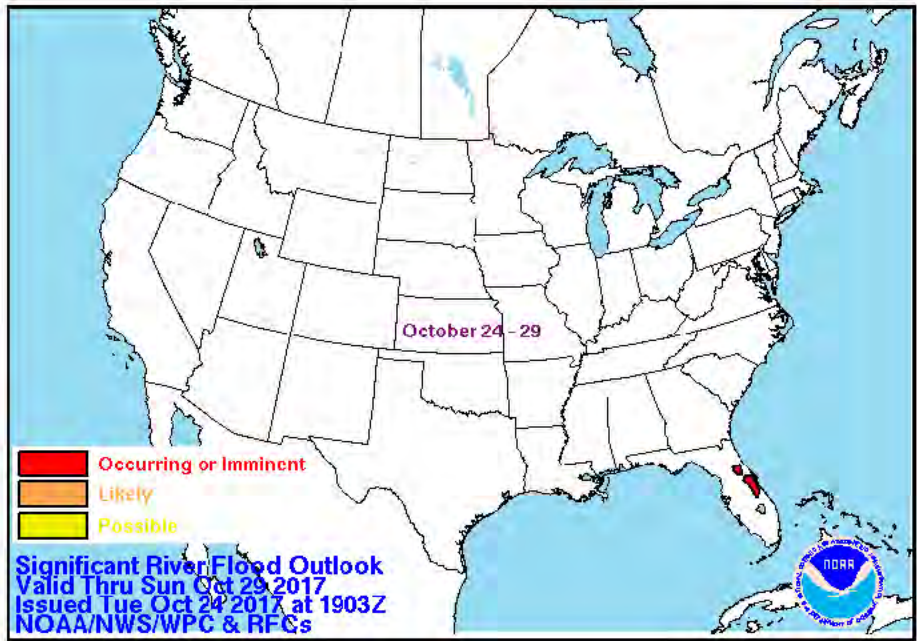
## Alaska Weather

A Storm Warning is in effect from Kiska to Adak, Castle Cape to Cape Sarichef, for the St. Matthew's Island Waters, and a portion of the Bering Sea. A Gale Warning is in effect for the western Gulf of Alaska, Bering Sea East and South, Dall Point to Etolin Strait, Seguam to Bristol Bay, Nikolski to Cape Sarichef, Sitkinak to Cape Cleare, and Shelikof Strait to Point Bede. Small Craft Advisories are in effect Prince William Sound, Kotzebue, Icy Cape to Cape Decision, Wales to Cape Thompson, and Norton Sound. A Winter Storm Watch is in effect for Red Dog Mine, Noatak, Middle Noatak river, and Kiana. A Heavy Freeze Warning is in effect for Central U.S, Arctic to Cape Beaufort and Kotzebue Sound. A Winter Weather Advisory is in effect for a portion of the western area of the Brooks Range, Savoonga, Wales to Brevig Mission. Serpentine Hot Springs to Solomon, Deering to Norton Sound, Buckland to Marshall, Hughes to Gobbler's Knob, Kanuti to Lake Minchumina, Minto to Nenana, and Cantwell to Skwentna. A Winter Storm Warning is in effect for portions of central Alaska.



## Significant River Flooding

Significant river flooding is occurring or imminent across portions of eastern Florida. Flooding is also possible in portions of northwestern Michigan.



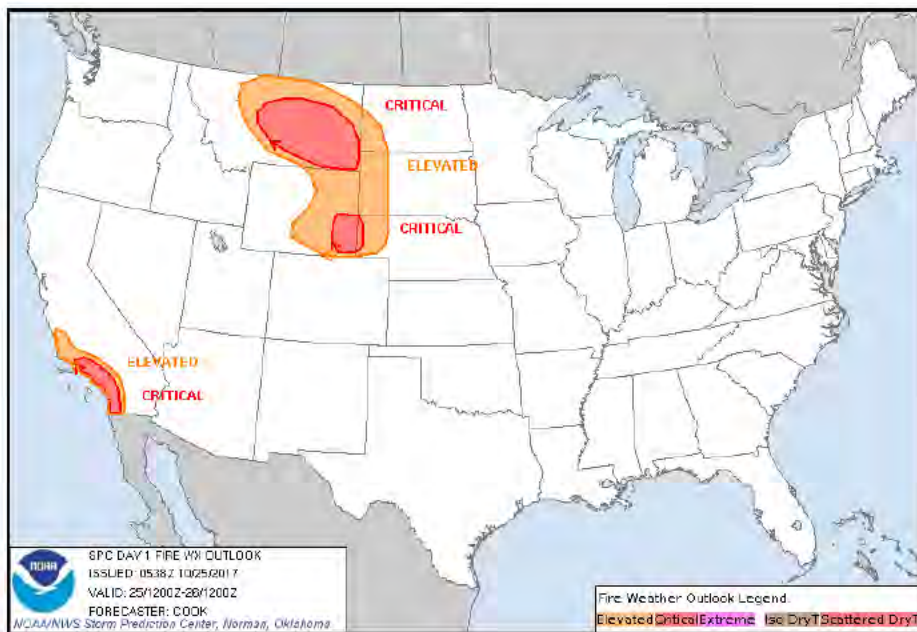
**Severe Weather**

There is no severe weather forecast today for the US.

**Tornado Weather**

There is less than two percent in all areas of tornado activity today in the U.S.

**Fire Weather**



There is Critical Fire Weather for the coastal ranges of southern California, central and eastern Montana, southeastern Wyoming, and extreme western Nebraska. The Elevated Fire Weather surrounds the Critical Fire Weather and also includes southwestern North Dakota and western South Dakota.

### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – October 25, 2017*

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

**Area 1-** A broad area of low pressure located over the western Caribbean Sea continues to produce disorganized showers and thunderstorms over Nicaragua, Honduras, and the adjacent waters. Close proximity to land is likely to limit development of this system for the next day or so. However, environmental conditions are expected to be conducive for the system to become more organized later this week as it moves slowly northward over the northwestern Caribbean Sea. Strong upper-level winds associated with an approaching cold front will likely prevent further development by Sunday. Regardless of development, locally heavy rains are likely over portions of Central America and Cuba during the next several days. Chance of formation is a low 10-percent.

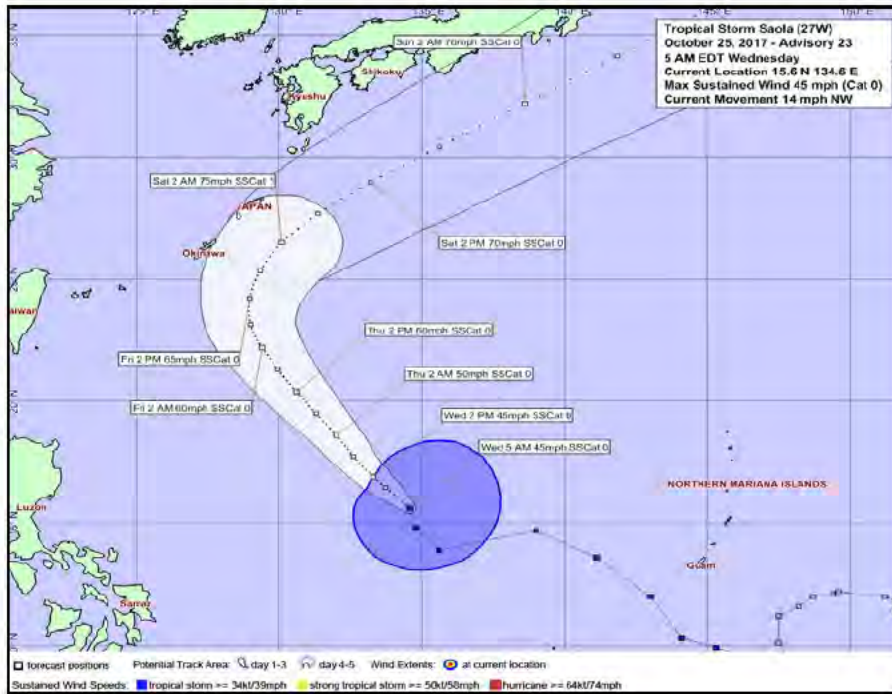
#### **Eastern Pacific Ocean**

There is no tropical cyclone activity expected over the next 48 hours.

#### **Western Pacific Ocean**

##### **Tropical Storm Saolo (27W)**

At 5:00 a.m, EDT, the center of Tropical Storm Saplo (27W) was about 159 miles west of Guam, and moving west at 14 miles per hour (mph). Maximum sustained winds are 45 mph. Tropical Storm Saolo (27W) will be near Japan's southern coast by Friday.



*\*End of Report\**

**Distribution:**

- Assistant Secretaries
- Bureau Heads
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- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, October 26, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 26, 2017*

Currently, there are no tropical systems expected to impact the region. The forecast for the islands calls for partly cloudy skies with highs in the low 90s and a heat index as high as 107 degrees in coastal and interior areas of the U.S. Virgin Islands. There are chances of isolated and scattered showers across western and central Puerto Rico, some of which may prompt flood advisories.

## Other Federal and State Government Reporting

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 26, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 26 at 5:00 a.m. EDT:

- *Puerto Rico:* The estimated customers receiving power is at 25-percent with 95-percent of Puerto Rico to be restored by December 15. Power grid transmission lines are at 25.4-percent energized and 45-percent of substations are energized. Potable water has been restored to more than 74.7-percent of clients served by the Puerto Rico Aqueduct and

Sewer Authority (PRASA). There are 39 of the 51 PRASA wastewater treatment plants operational. Eighty-seven percent of the wireless voice and text service has been restored. Water levels at the Guajactaca Dam are seven feet below the spillway and evacuations will be lifted when the water drops another seven feet. Flash flood advisories remain in effect through today. Boil water advisories remain in effect.

- U.S. Virgin Islands: The Virgin Islands Water and Power Authority (VIWPA) estimates 90-percent of the U.S. Virgin Islands power will be restored by November 23. Grid power serves 30.2-percent of the population for St. Thomas, 2.9-percent for St. Croix, and St. John is expected to begin restoration within two to three weeks. Telecommunication officials report 48-percent of the cellular sites are operational.

### **Fatal Barge Fire and Oil Spill - Port Aransas, Texas**

Source: Office of Environmental Policy and Compliance (OEPC), United States Coast Guard (USCG) - October 25, 2017

Response operations continue in Port Aransas, Texas, following the fatal barge explosion and oil discharge. As of October 24, there has been no additional release of oil. An approved salvage plan for the removal of the barge included three support vessels; a fire response vessel, and two U.S. Coast Guard (USCG) vessels. These vessels escorted the barge through the channel and to its mooring location to safely offload product contained in its cargo tanks on October 25.

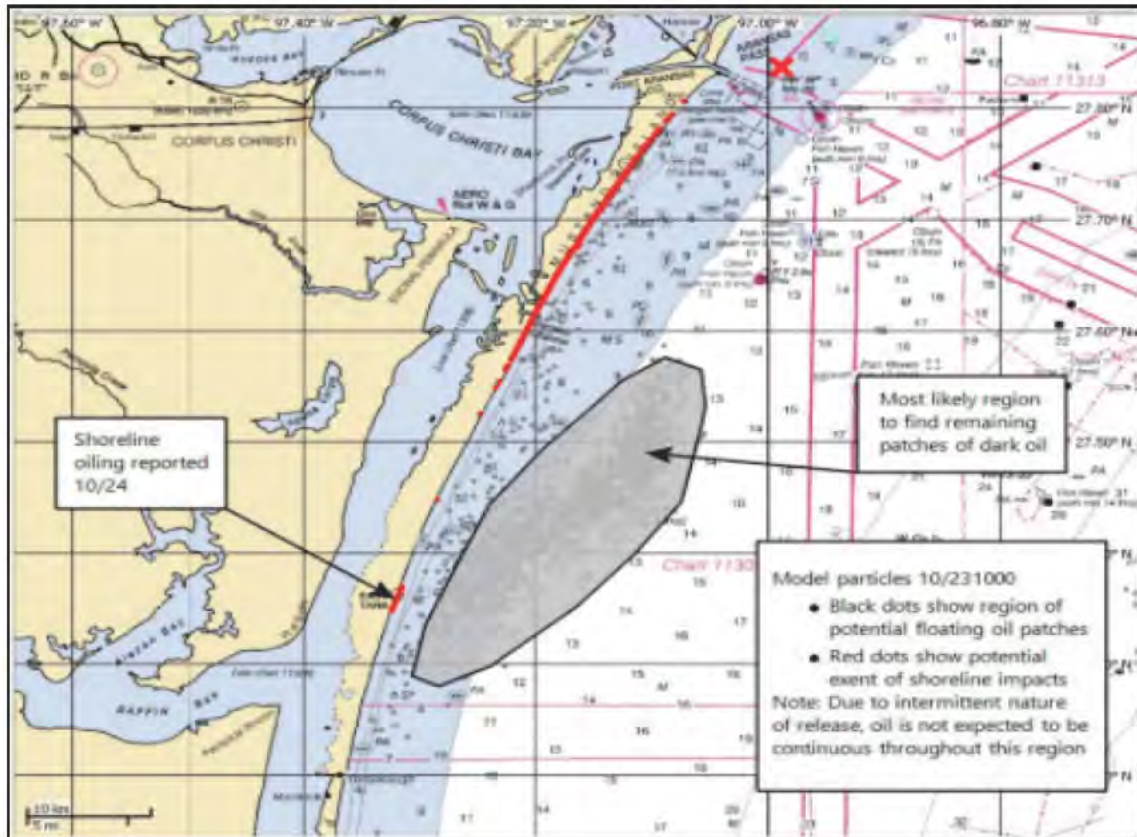
The DOI Office of Environmental Policy and Compliance (OEPC) reported that multiple shorebirds have been observed with light to moderate oiling; however, none of the birds had been exposed to the amount of oil where their recovery and rehabilitation were deemed necessary. Wildlife crews are continuing to monitor the situation.



*USCG photo*

Beach assessment and cleanup operations continued on Mustang Island and Padre Island National Seashore on October 25. A 32-person team was deployed on Mustang Island, where a total of 59 cubic yards of oily solids have been removed. Cleanup operations with two teams of

40 personnel each on Padre Island National Seashore have recovered 14 cubic yards of oily solids.



NOAA Graphic

## Wildland Fire Activity

### California Wildfire Summary

Source: *California Department of Forestry and Fire Protection (CAL FIRE)- October 25, 2017*

As of October 25, 3,800 firefighters remain on the frontlines of nine active wildfires, many of which are projected to be fully contained by the end of this week. Firefighters continue to extinguish hot spots and perform fire suppression repair work. Temperatures across the State remain warm and dry, and firefighters are prepared for potential high fire activity in southern California due to gusty winds and low humidity. CAL FIRE is urging all residents to be prepared during this warm time in the month, and ensure that they take actions to prevent sparking a new wildfire.



# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 26, 2017

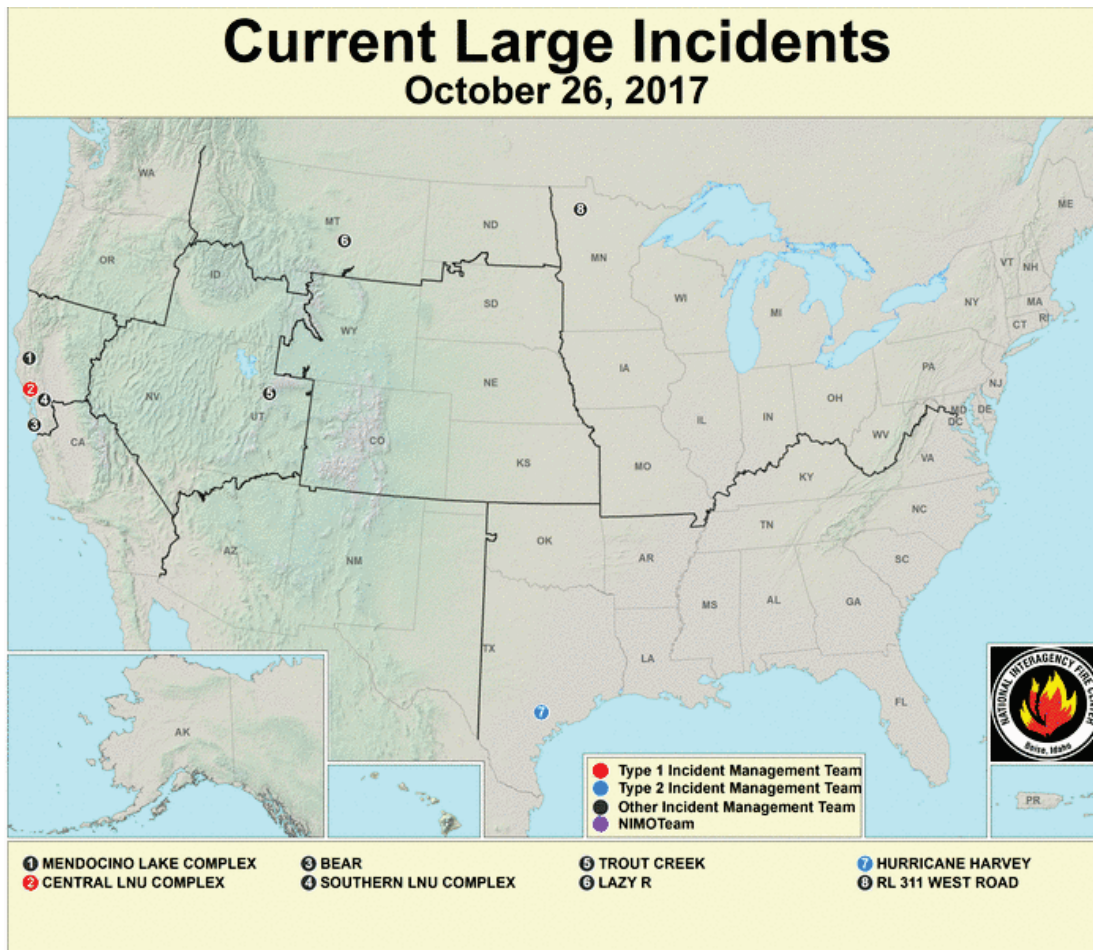
## National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (66 new fires)
New large incidents:	0
Large fires contained:	1
Uncontained large fires: **	8
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



### Volcano Activity

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, but no significant activity was observed in satellite data or web camera views during this reporting period. No significant activity related to lava effusion was observed in seismic data, and no explosive activity was detected in infrasound data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 25, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. Low rates of ground surface deformation and seismic activity persist across the volcano. No significant net change in tilt was recorded by summit tiltmeters in the past day, and the lava lake level was similarly consistent.

## **Significant National Weather**

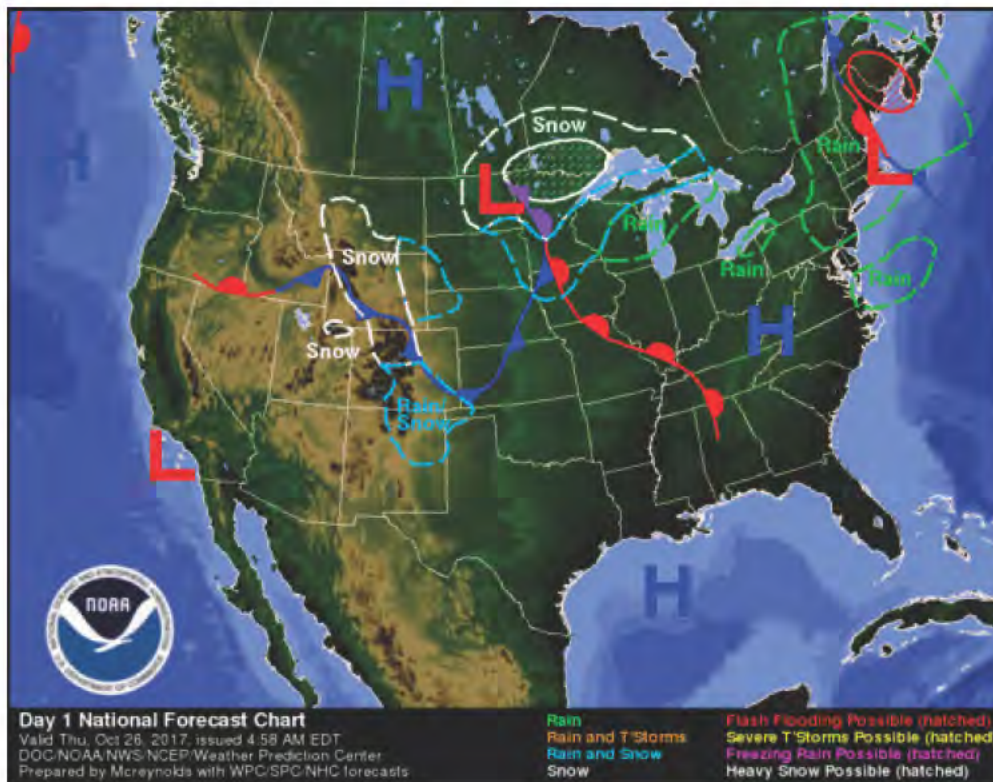
*Source: National Weather Service - October 26, 2017*

### **Today**

A low-pressure system moving across the High Plains will cause high winds, snow, and possible blizzard conditions. Sustained winds as high as 35-45 miles per hour (mph), with gusts around 60 mph, are possible across the Dakotas, Montana, Wyoming, Minnesota, Nebraska, and Iowa. Rain changing into snow will likely reduce visibility and blizzard conditions are possible for North Dakota into northern Minnesota. Snow totals are expected to range from 1 to 8 inches across the region. Rain is expected to continue across the Northeast, as low-pressure tracks toward the north through the region. Scattered snow showers will be possible across the Front Range of the central and southern Rockies today.

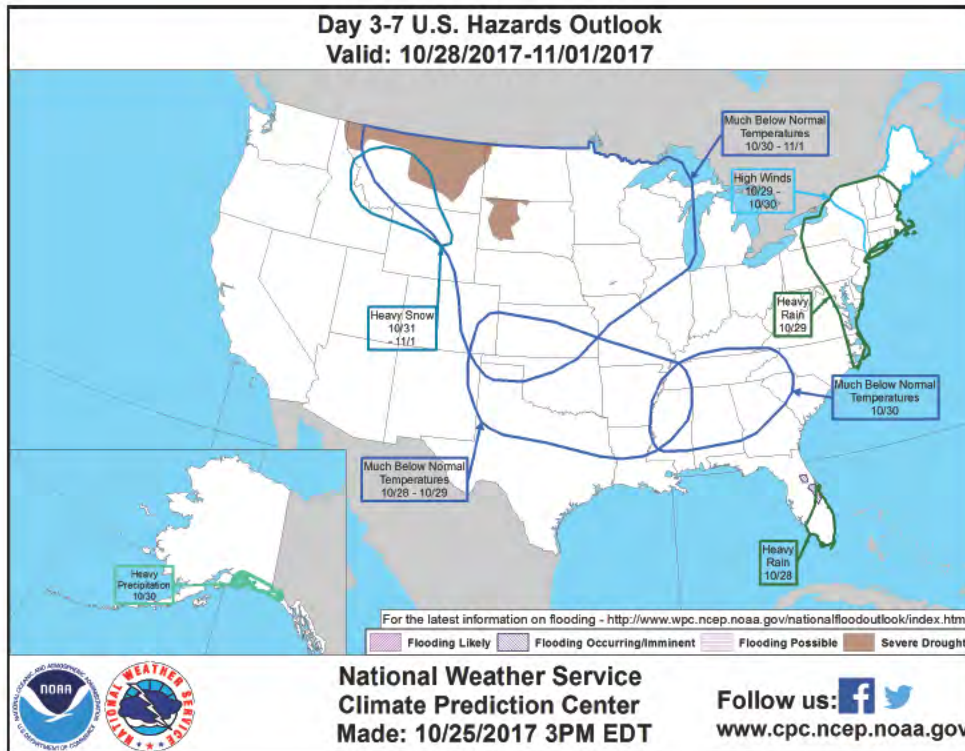
### **Tomorrow**

The low pressure moving through the High Plains is forecast to gradually weaken and move east into northern Wisconsin by early Friday. Rain changing into snow may result in a few inches of accumulating snow across portions of northern Wisconsin and the Upper Peninsula of Michigan. Showers and thunderstorms are forecast to develop across the lower Mississippi, Ohio, and Tennessee valleys on Friday. High temperatures are expected to be several degrees below normal across much of the Great Plains, as well as the middle and upper Mississippi valleys.

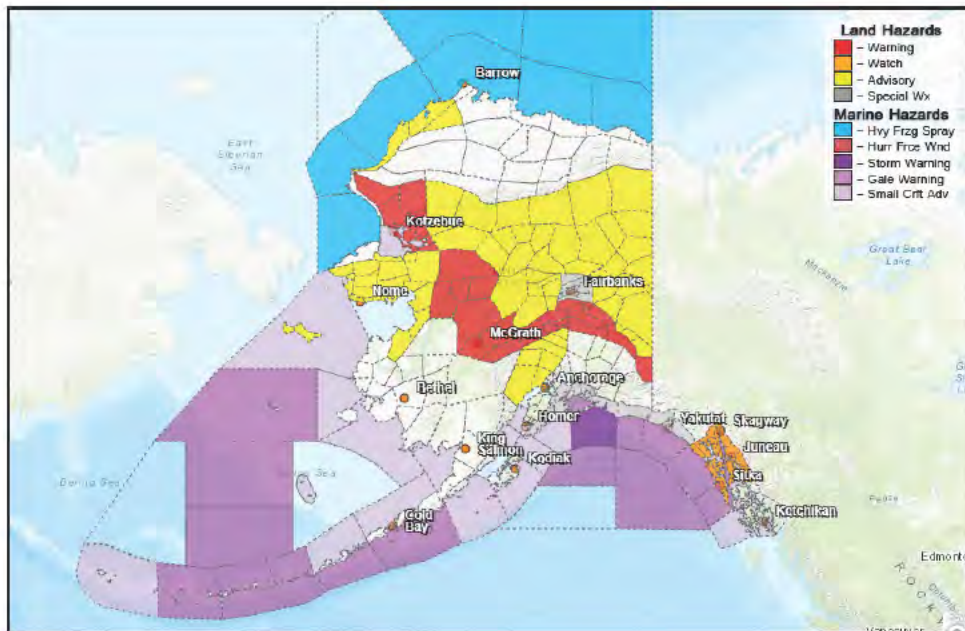


## Weather Hazard Assessment

- October 26: Severe drought continues across the middle Mississippi Valley, the northern Plains, the northern Rockies, and Hawaii.
- October 26: Flooding is occurring along the St. Johns River in Florida.
- October 28: Heavy rain for the Florida Keys and parts of central and southern Florida.
- October 28-29: Much below-normal temperatures for parts of the central and southern Great Plains, the Ozarks, and the lower Mississippi Valley.
- October 29: Heavy rain from the Outer Banks of North Carolina to New England.
- October 29-30: High winds for parts of the Northeast.
- October 30: Much below-normal temperatures for parts of the Southeast.
- October 30-November 1: Much below-normal temperatures for parts of the northern and central Rockies, the Great Plains, and the Midwest.
- October 31-November 1: Heavy snow expected for parts of the northern Rockies and the northern High Plains.



### Alaska Weather



A Storm Warning is in effect from Cape Suckling to Cape Cleare. A Gale Warning is in effect for the eastern Gulf of Alaska; from Cape Decision to Cape Sucking and Prince William Sound. A Gale Warning is also in effect for the St. Matthew Island Waters south to the western Aleutian Islands, Kiska through Castle Cape. Small Craft Advisories are in effect in Kotzebue Sound, Dall Point through Wales, Nunivak Island waters, the Kuskokwim Delta and Etolin Strait, Bristol

Bay, Port Heiden through Nikolski, Kiska to Attu, Castle Cape through Cape Cleare. A Heavy Freeze Warning is in effect from Wales north through Demarcation Point. A Winter Storm Warning is in effect for portions of central Alaska and a Winter Weather Advisory is in effect throughout the Alaskan interior.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of eastern Florida.

### Severe Weather

There is no severe thunderstorm activity forecast for today across the US.

### Tornado Weather

There is less than a two-percent chance of tornado activity today in all areas of the U.S.

### Fire Weather

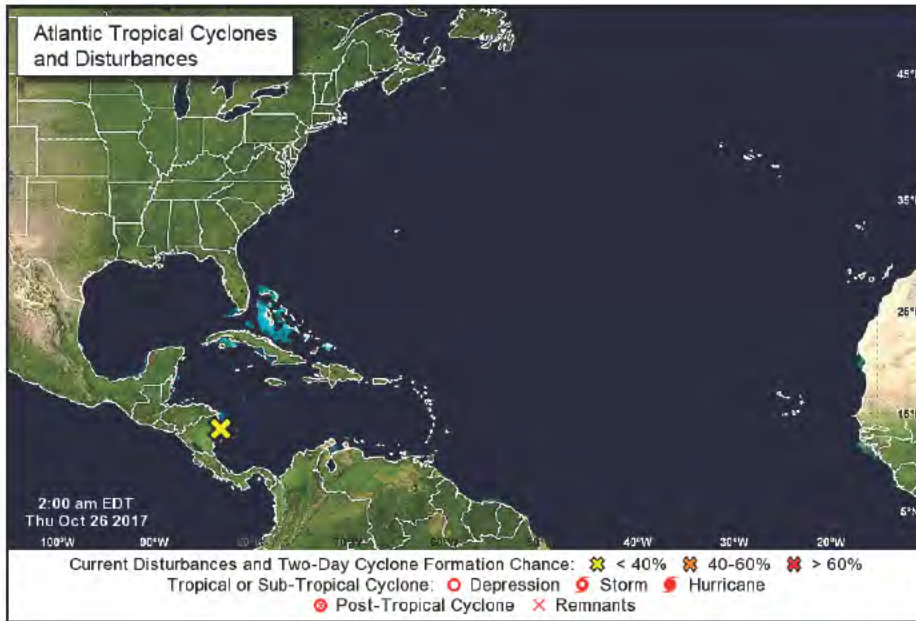
There is no Critical Fire Weather today; however, Elevated Fire Weather stretches along the southern borders of eastern Arizona, New Mexico, and eastern Texas.



**Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – October 26, 2017*

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



**Area 1:** Showers and thunderstorms associated with a broad area of low pressure located over the western Caribbean Sea and Central America are gradually becoming better organized. Strong upper-level winds associated with an approaching cold front will make conditions less favorable by Sunday. Regardless of development, locally heavy rains are likely over portions of

Central America and Cuba during the next several days. Formation chance through the next 48 hours is low at 30-percent.

### Eastern Pacific Ocean

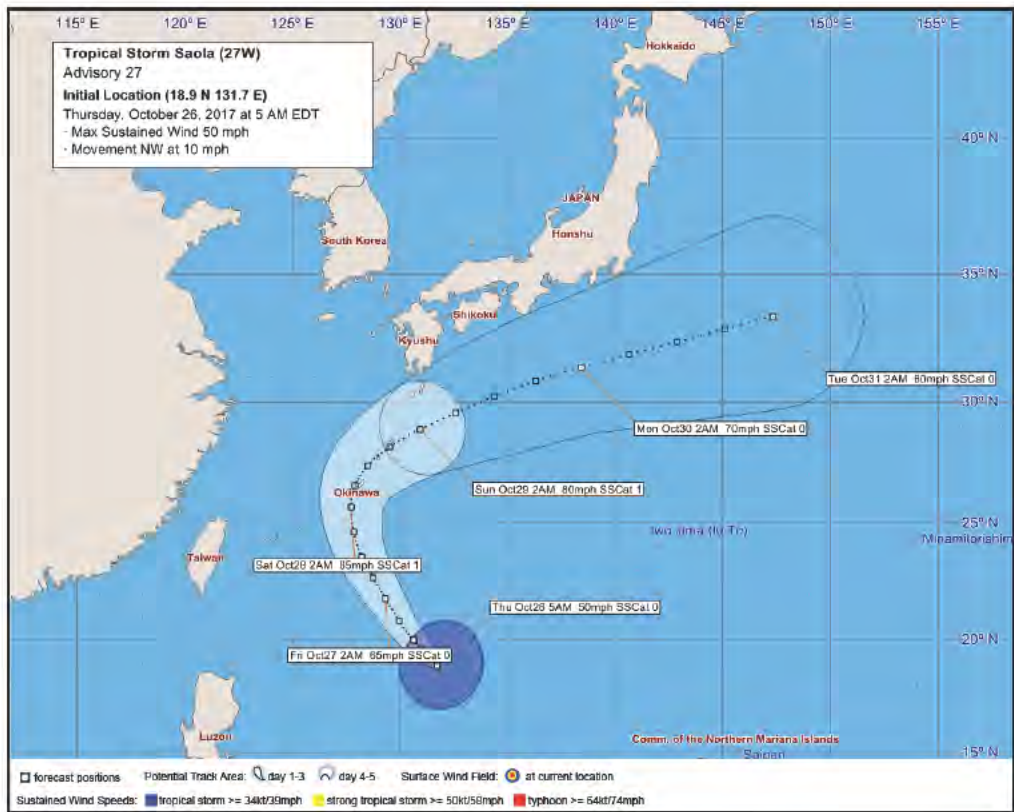


**Area 1:** An area of disturbed weather has formed just west of the coasts of Costa Rica and Nicaragua. Environmental conditions are forecast to be generally conducive for additional development for a couple of days thereafter as the system moves west-northwestward near the coast of Central America and southeastern Mexico. Formation chance through the next 48 hours is low at 30-percent.

### Western Pacific Ocean

#### Tropical Storm Saola (27W)

At 5:00 a.m. EDT, Tropical Storm Saola (27W) was located about 533 miles to the south-southeast of Kadena Air Base and moving to the northwest at 10 mph. This general motion is expected to continue for the next couple of days before the storm begins a northern and northeastern motion on Friday and Saturday. Tropical Storm Saola is expected to pass to the south of Japan during the upcoming weekend. Maximum sustained winds are 52 miles per hour, and the storm is expected to continue to intensify slightly over the next 48 hours. There are no coastal watches or warnings in effect at this time. This is the last report on this storm system.



HURREVAC Image

### Other News and Notes

#### **Advice for Providers Treating Patients from Hurricane-Affected Areas, Including Puerto Rico and U.S. Virgin Islands**

Source: Centers for Disease Control and Prevention (CDC) - October 24, 2017

The Centers for Disease Control and Prevention (CDC) is working with federal, state, territorial, local agencies, and global health partners in response to recent hurricanes. CDC is aware of media reports and anecdotal accounts of various infectious diseases in hurricane-affected areas, including Puerto Rico and the U.S. Virgin Islands. Due to compromised drinking water and decreased access to safe water, food, and shelter, the conditions for outbreaks of infectious diseases exist.

CDC has issued this advisory to remind clinicians assessing patients currently in or recently returned from hurricane-affected areas to be vigilant in looking for certain infectious diseases, including leptospirosis, dengue, hepatitis A, typhoid fever, vibriosis, and influenza. Additionally, this Advisory provides guidance to state and territorial health departments on enhanced disease reporting. More information about the Health Alert Network advisory can be found [here](#).

***\*End of Report\****



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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, October 27, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

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**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
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**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 27, 2017*

Partly cloudy skies will prevail with highs in the low 90s and lows in the middle 70s. There is a good chance of scattered showers across most of Puerto Rico, with some of these showers providing heavy rain across higher terrain. Some of these showers may prompt the need for flood and urban and small stream flooding advisories. Conditions near the Guajataca Dam are being closely monitored and a Flash Flood Warning is still in effect through Friday morning. Heat indices could push into the 102°-107°F range this afternoon along the coastal areas and interior sections of the U.S. Virgin Islands.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 27, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 27 at 5:00 a.m. EDT:

- *Puerto Rico:* The estimated customers receiving power is at 26.2-percent with 95-percent of Puerto Rico to be restored by December 15. Power grid transmission lines are

at 25.4-percent energized and 45-percent of substations are energized. Potable water has been restored to more than 75-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 39 of the 51 PRASA wastewater treatment plants operational. Eighty-seven percent of the wireless voice and text service has been restored. Water levels at the Guajactaca Dam are seven feet below the spillway and evacuations will be lifted when the water drops another seven feet. Flash flood advisories remain in effect through today. Boil water advisories remain in effect.

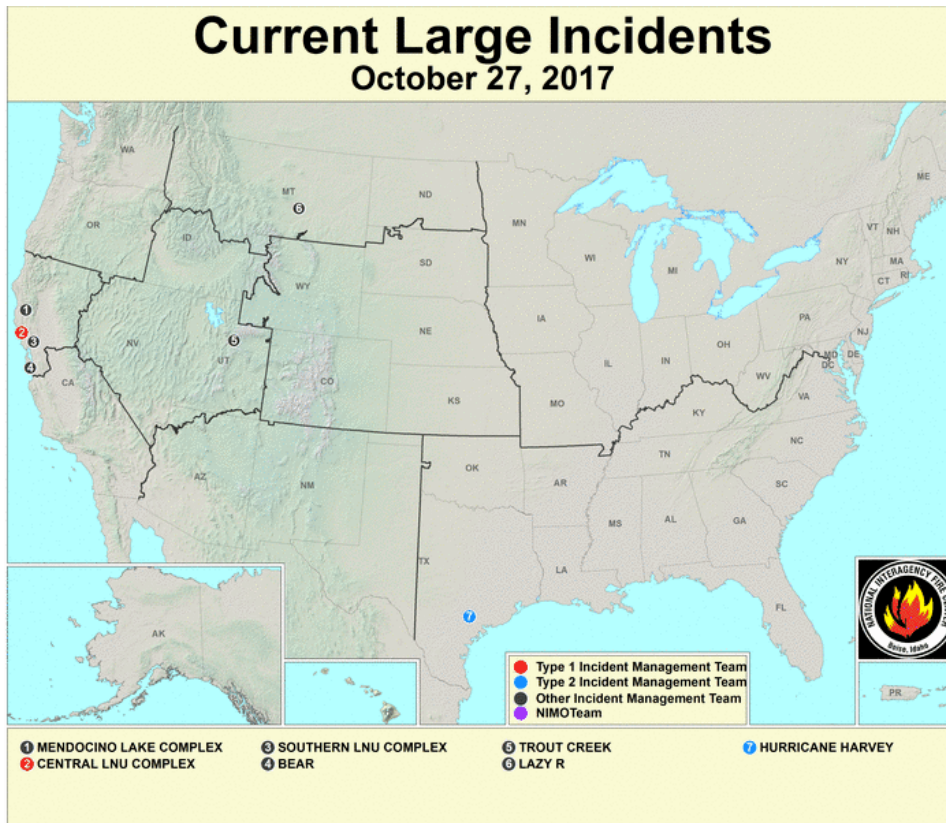
- U.S. Virgin Islands: The Virgin Islands Water and Power Authority (VIWPA) estimates 90-percent of the U.S. Virgin Islands power will be restored by November 23. Grid power serves 30.8-percent of the population for St. Thomas, 3-percent for St. Croix, and St. John is expected to begin restoration within two to three weeks. Telecommunication officials report 50-percent of the cellular sites are operational.

**Wildland Fire Activity**

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – October 27, 2017*

**Large Fire Map**



## **National Preparedness Level 2**

### **National Fire Activity**

Initial attack activity:	Light (97 new fires)
New large incidents:	2
Large fires contained:	4
Uncontained large fires: **	4
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	1
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and satellite observations indicate that the current lava dome has continued to grow. No significant activity was observed in web camera views, seismic data, and infrasound data during this observation period.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 26, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. The height of the lava lake at Kilauea’s summit has changed little over the past day, and there have been no significant changes in ground deformation or seismicity rates across the volcano.

### **Significant National Weather**

*Source: National Weather Service - October 27, 2017*

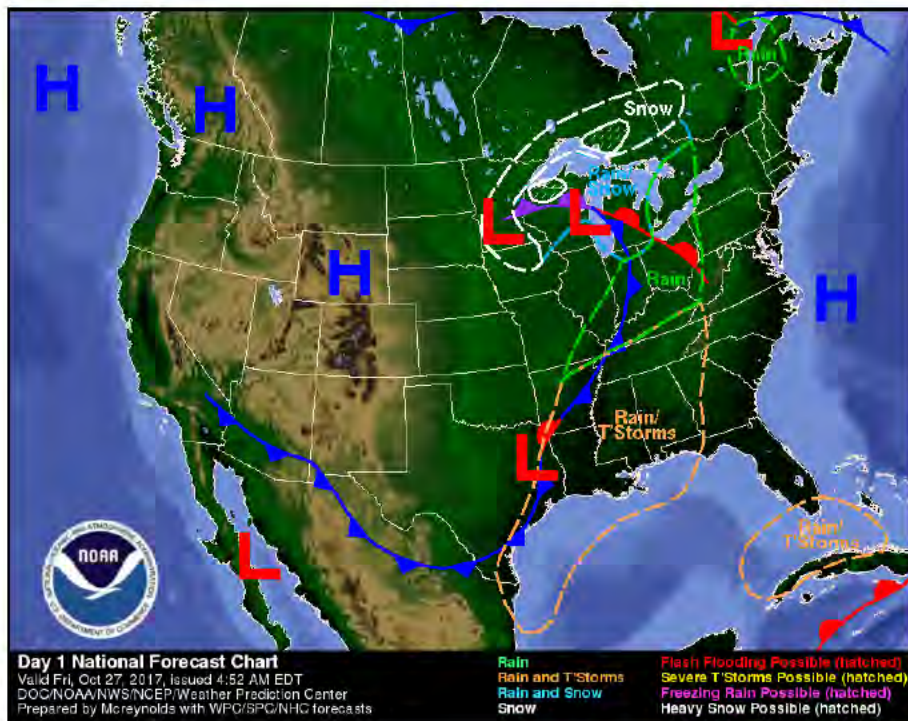
#### **Today**

High pressure just off the North Carolina coast will help produce mostly dry weather for the majority of the East Coast. The only exception will be a few lone rain showers across far northern Maine and scattered showers and thunderstorms over the southern tip of Florida. A pair

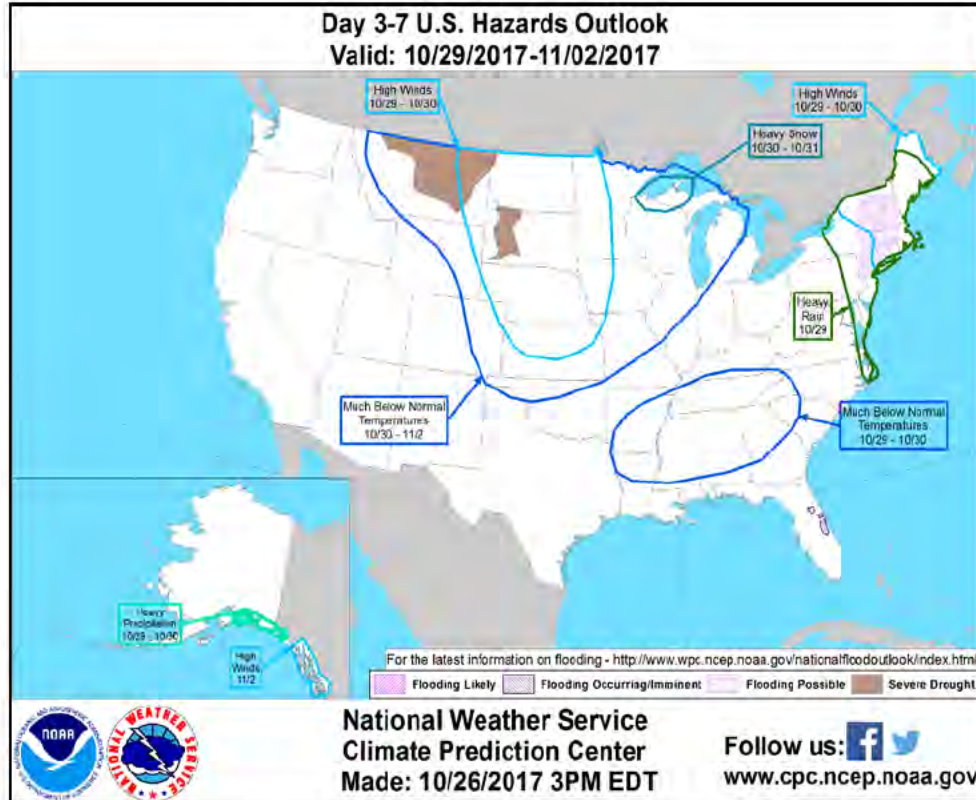
of low-pressure centers will move across the upper Midwest and western Great Lakes. A frontal system will extend out of them through the Midwest to the Arkansas, Louisiana, Texas, and Oklahoma (ARKLATEX) intersects and a wave of low pressure. The front will then snake to south Texas continuing to the Desert Southwest. Rain and thunderstorms will develop from the lower Ohio River Valley and Tennessee Valley south into the lower Mississippi Valley and Deep South. Rain is possible from the eastern Great Lakes to the lower Ohio River Valley. Much of Minnesota and portions of northwest Wisconsin have Winter Weather advisories and Winter Storm warnings in effect for the first snow producing system of this season. Accumulations will be light to locally moderate today, but 3-day accumulation of 8 to 12 inches will be possible for far northeastern Minnesota. Strong winds will likely cause blowing and drifting of the snow, which will make travel hazardous. Elsewhere, dry weather expected from the Great Plains to the West Coast. Portions of California, Oregon, and Nevada will have high temperatures range from 10 to 20 degrees above normal.

### Tomorrow

Low-pressure centers will move to the northern Great Lakes. A warm front will stretch across New England while another frontal boundary extends from the eastern Great Lakes to the southern Appalachians continuing into the central Gulf of Mexico. Rain and snow will be possible for the central and western Great Lakes. Rain is likely across the eastern Great Lakes, the Northeast, and the upper Ohio Valley. Rain and thunderstorms will develop from Long Island south across the mid-Atlantic to portions of the South, the Southeast, and Florida. Rain across southern Florida will be heavy and could lead to flash flooding. A few scattered areas of rain and rain/snow will be possible for the far northern Plains and northern Rockies. Elsewhere, dry weather will continue from the remainder of the Great Plains to the West Coast.



## Weather Hazard Assessment



- October 29: Heavy rain expected from the Outer Banks of North Carolina to New England.
- October 29: Possible flash flooding for northern New Jersey, the Hudson Valley, and parts of New England.
- October 29-30: High winds for parts of the Northeast, the Great Plains, and the upper Midwest.
- October 29-30: Much below-normal temperatures for parts of the lower Mississippi Valley and the Southeast.
- October 29-30: Heavy precipitation for parts of southeastern mainland Alaska and the northern Alaska Panhandle.
- October 30-31: Heavy lake-effect snow likely for some areas around Lake Superior.
- October 30 - November 2: Much below-normal temperatures for parts of the northern and central Rockies, the Great Plains, and the Midwest.
- November 2-3: High winds for the Alaska Panhandle.

### Alaska Weather

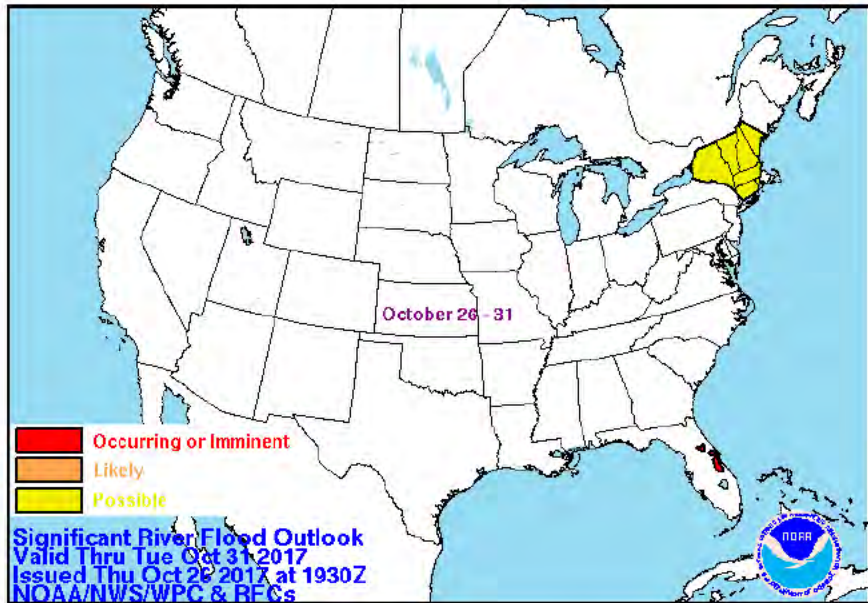
Expect Gale Warnings for eastern Gulf of Alaska waters. Small Craft Advisories are in effect from the Alaska Peninsula, through the Aleutian chain, and most of the Bering Sea coastal waters north to the Siberian Sea. A Flood Advisory is in effect in the Sitka, Juneau and Skagway regions. A Winter Weather Advisory is in effect for the Yukon Flats region to the Brooks Range and along the North Slope west of Barrow. A Winter Storm Warning is in effect for central

interior Alaska, and along the eastern Alaska Range. Heavy Freezing Spray is expected in Chukchi Sea waters.



### Significant River Flooding

Significant river flooding is occurring or imminent across portions of eastern Florida. Significant river flooding is possible across portions of the Northeast.



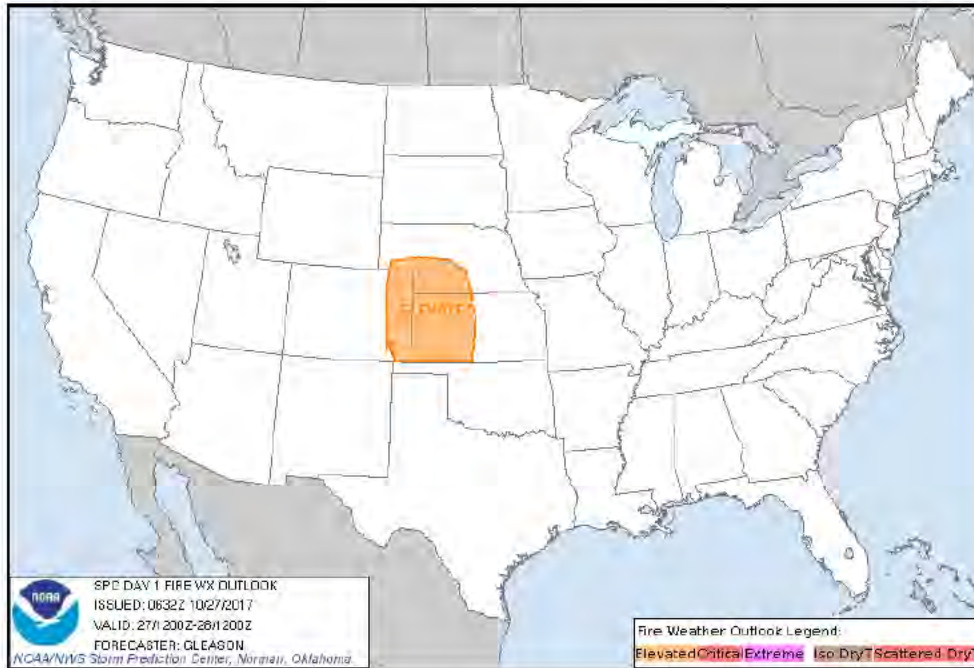
## Severe Weather

No severe thunderstorm activity is forecast today.

## Tornado Weather

There is less than a two-percent chance of tornado activity today in all areas of the U.S.

## Fire Weather



There is no Critical Fire Weather today; however, Elevated Fire Weather is forecast over western Kansas, southwestern Nebraska, and eastern Colorado.

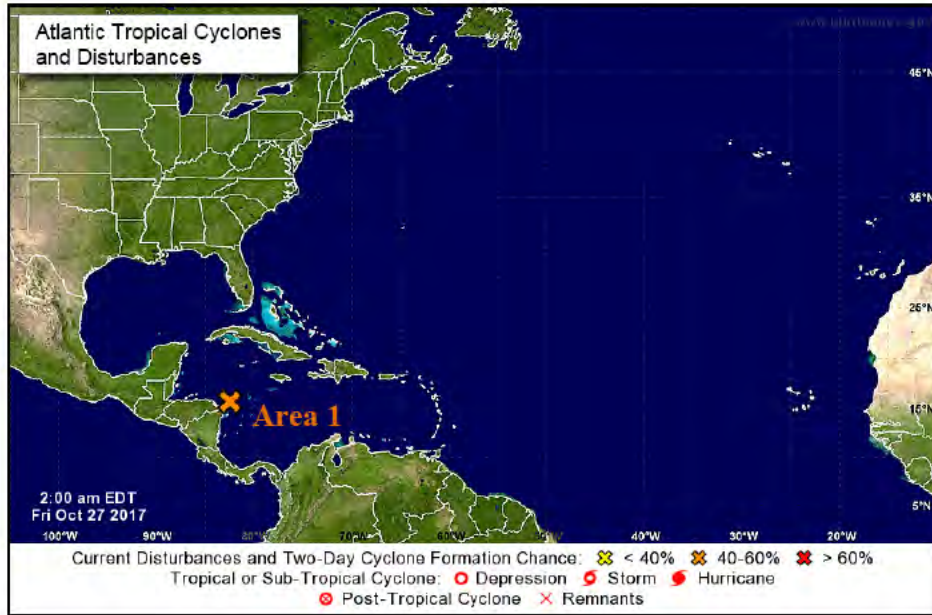
## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 27, 2017

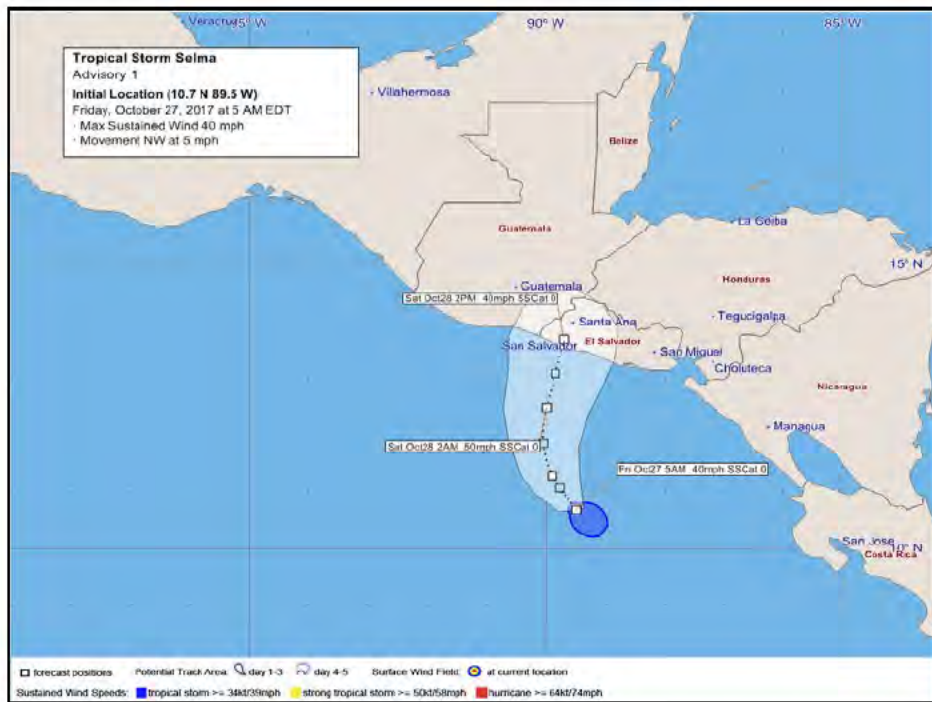
### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** Shower activity associated with a trough of low pressure over the northwestern Caribbean Sea has become more concentrated during the past several hours between northeastern Honduras and Jamaica. Strong upper-level winds associated with an approaching cold front will make conditions less favorable by Sunday. Regardless of development, this system is expected to produce locally heavy rainfall over the Cayman Islands, Jamaica, and portions of Cuba during the next day or two. These rains are forecast to spread northward across portions of southern Florida and the Keys on Saturday, and over the northwestern Bahamas Saturday night and Sunday. There is a 60-percent chance of tropical formation over the next 48 hours.





## Eastern Pacific Ocean



At 5:00 a.m. EDT, the center of Tropical Storm Selma was located about 210 miles south of El Salvador. Selma is moving toward the northwest near 5 miles per hour (mph) and the cyclone is expected to gradually turn toward the north by early Saturday. On the forecast track, the center of Selma will be approaching the coast of El Salvador on Saturday. Satellite data indicate that maximum sustained winds are near 40 mph, with higher gusts. Some increase in strength is forecast over the next day or so before Selma makes landfall. The government of El Salvador

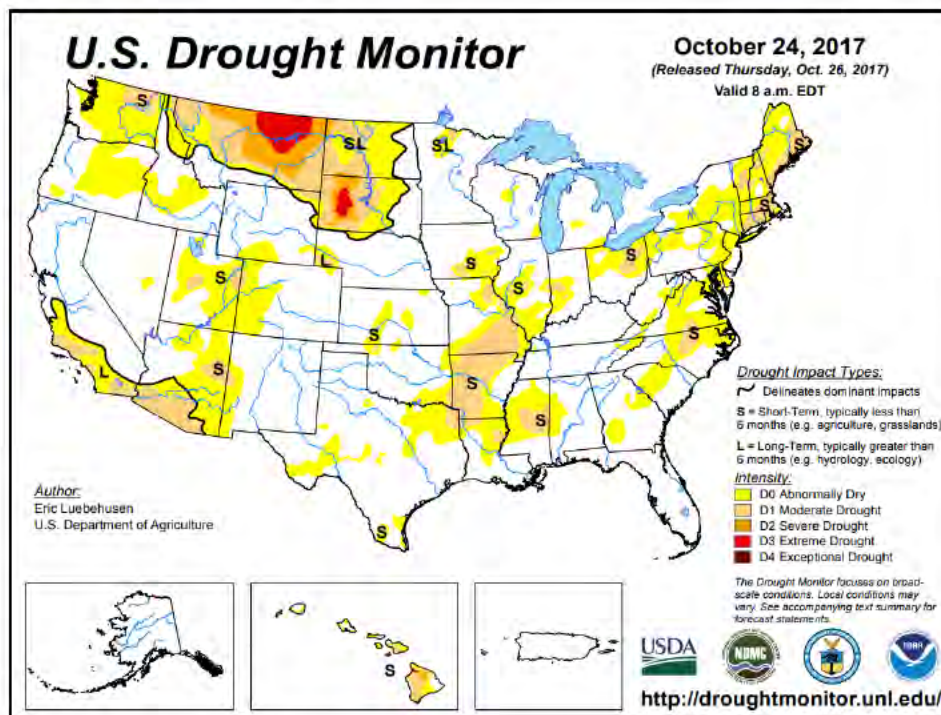
has issued a Tropical Storm Warning for the entire coast of El Salvador from the Guatemala and El Salvador border eastward to the El Salvador and Honduras border.

## Other News and Notes

### **U.S. Drought Monitor**

Source: *National Drought Mitigation Center – October 26, 2017*

Widespread moderate to heavy rainfall last week eased drought conditions from eastern Texas to the southeastern Plains, the Great Lakes, and the central Appalachians. A storm system also brought much needed rain and snow to the Northwest and the northern Rockies. In the southwestern U.S., hot and dry weather exacerbated developing drought in the lower Four Corners Region, while unseasonably warm and dry weather continued to worsen drought conditions across much of the Northeast.



*\*End of Report\**

### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, October 30, 2017

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## Alerts & Warnings

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**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 30, 2017*

The National Oceanic and Atmospheric Administration (NOAA) reported isolated to scattered showers expected across portions of eastern Puerto Rico and the U.S. Virgin Islands with highs in the lower 80s. Tranquil marine conditions are expected to continue across the local waters with seas up to four feet and south to southeasterly winds up to 15 miles per hour (mph). A chance of thunderstorms with heavy rainfall and brief gusty winds is expected across portions of the interior, western, and northern portions of Puerto Rico.

### **National Park Service Update**

*Source: National Park Service (NPS) News Release – October 27, 2017*

The National Park Service (NPS) is working in coordination with the U.S. Coast Guard (USCG) and the Federal Emergency Management Agency (FEMA) to address damaged vessels displaced due to recent hurricane activity.

NPS crews are working to obtain a count and locate owners of displaced vessels within the boundaries of the Caribbean National Parks. Crews are also searching for and marking underwater debris that may create a navigation hazard. At this time, approximately 180 vessels

have been identified, with an unknown amount that may be submerged. Most displaced vessels are located at St. John.

The displaced vessels resulting from recent hurricanes pose a threat to the environment and to the public. Priorities for vessel removal are those that may pollute the water or beach by leaking gasoline or fuel and those that create hazards when navigating the area.

Prior to removal of any displaced vessel within park boundaries, vessel owners must contact the NPS via email at [caribbean\\_recovery@nps.gov](mailto:caribbean_recovery@nps.gov), or provide written information to the park directly at the incident command post located at the visitor center at St. John.

### **United States Geological Survey (USGS)**

*Source: United States Geological Survey (USGS) - October 27, 2017*

The Caribbean-Florida Water Science Center (CFWSC) in Puerto Rico is open to all employees; however, the facility remains closed to the public. All field data collection under Mission Assignment (MA) PR-17090102-USGS-01 (ESF 5) was scheduled for completion on October 27. A review of that data should be completed today, which is the scheduled close date for the MA. USGS has received a new MA 4339DR-PR-USGS-03 (ESF-5) for Puerto Rico to identify, flag, and survey high water marks for approximately 20 communities flooded by riverine or coastal flooding. USGS teams comprised of personnel from Puerto Rico and Florida will deploy to complete work on this assignment. Flagging is expected to be completed by November 8 and surveys are scheduled to be completed by November 15. A team of five scientists from the USGS Landslides Hazards Program (LHP) deployed to Puerto Rico on October 25 for two weeks to provide detailed on-site analysis and to provide technical assistance to FEMA in developing operational response plans under an amended MA 4339DR-PR-USGS-02.

Field crews continue to repair and rebuild gage networks on Puerto Rico. Approximately 75-percent of all gages damaged in Puerto Rico have been repaired. Seven rain gages were installed at existing streamgage locations to assist the National Weather Service (NWS) in their flood forecasting and warning missions. USGS field crews have identified at least 74 gage locations where stream channels were significantly affected and physically changed by flooding from Hurricanes Irma and Maria. Sixteen locations have been flagged for supplemental work to determine the true extent of flooding, while an additional 18 locations are being inspected to perform similar work.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 30, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 30 at 5:00 a.m. EDT:

- *Puerto Rico:* The Puerto Rico Electric Power Authority reports estimated customers receiving power is at 29.7-percent with 95-percent restoration expected by December 15.

Power-grid transmission lines are at 25.4-percent energized and 45-percent of substations are energized. Potable water has been restored to more than 80-percent of clients served by the PR Aqueduct and Sewer Authority (PRASA). There are 39 of the 51 PRASA wastewater treatment plants operational. Telecommunication officials estimate 86-percent of the population lives in areas where wireless voice and text service has been restored. Water levels at the Guajataca Dam continue to drop; evacuations will be lifted when the level reaches 14 feet below the spillway, which is expected around November 1. Boil water advisories remain in effect due to concerns with the potable water delivery system integrity.

- U.S. Virgin Islands: Virgin Islands Water and Power Authority estimates 90-percent power restoration by November 23. Grid power serves 31.4-percent of the population for St. Thomas, 3.3-percent for St. Croix, and St. John is expected to begin restoration in two to three weeks. Telecommunication officials report 60.3-percent of cellular sites are operational and 88-percent of the population lives in areas where voice and text wireless service are restored. Boil water advisories remain in effect due to a drop in water pressure.

**Northeast Flooding**

**USGS Response to Widespread Flooding in New Hampshire**

Source: U.S. Geological Survey (USGS) - October 30, 2017

Widespread flooding is occurring in New Hampshire as a result of 2-4 inches of rain during the past 24 hours. Currently, four USGS streamgages have reached the NWS minor flood category and six additional streamgages are forecast to reach minor to moderate flooding in the Merrimack and Saco River Basins. Streamflows at many USGS streamgages are near peak or decreasing this morning, although several streams will remain near NWS flood stage through October 31.

A total of five USGS crews from the New Hampshire Office have been deployed today for rating calibration. Additional follow-up discharge measurements are planned for October 31.

**Wildland Fire Activity**

**Wildland Fire Incident Management Situation Report**

Source: National Interagency Fire Center – October 30, 2017

**National Preparedness Level 2**

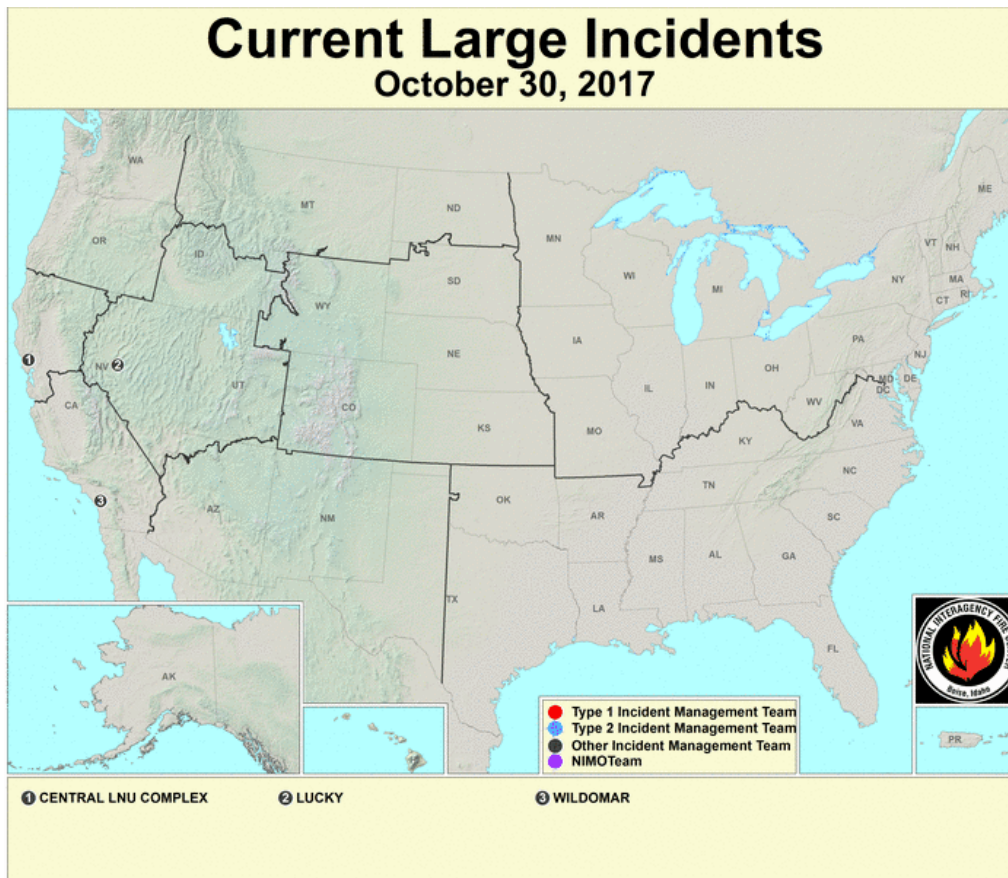
**National Fire Activity**

Initial attack activity:	Light (32 new fires)
New large incidents:	0
Large fires contained:	0
Uncontained large fires: **	2

Area Command teams committed: 0  
 NIMOs committed: 0  
 Type 1 IMTs committed: 0  
 Type 2 IMTs committed: 0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

**Large Fire Map**



**Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and satellite observations indicate that the current lava dome has continued to grow. A small, short, 30 second explosion was detected on October 28 in seismic and infrasound data. Conditions were overcast with clouds at approximately 15,000 feet above sea level (ASL). No volcanic clouds associated with this explosion were observed in satellite views above the cloud level during this observation period.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 29, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and produces scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. The height of the lava lake at Kilauea’s summit has changed little over the past day, and there have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Significant National Weather**

*Source: National Weather Service - October 30, 2017*

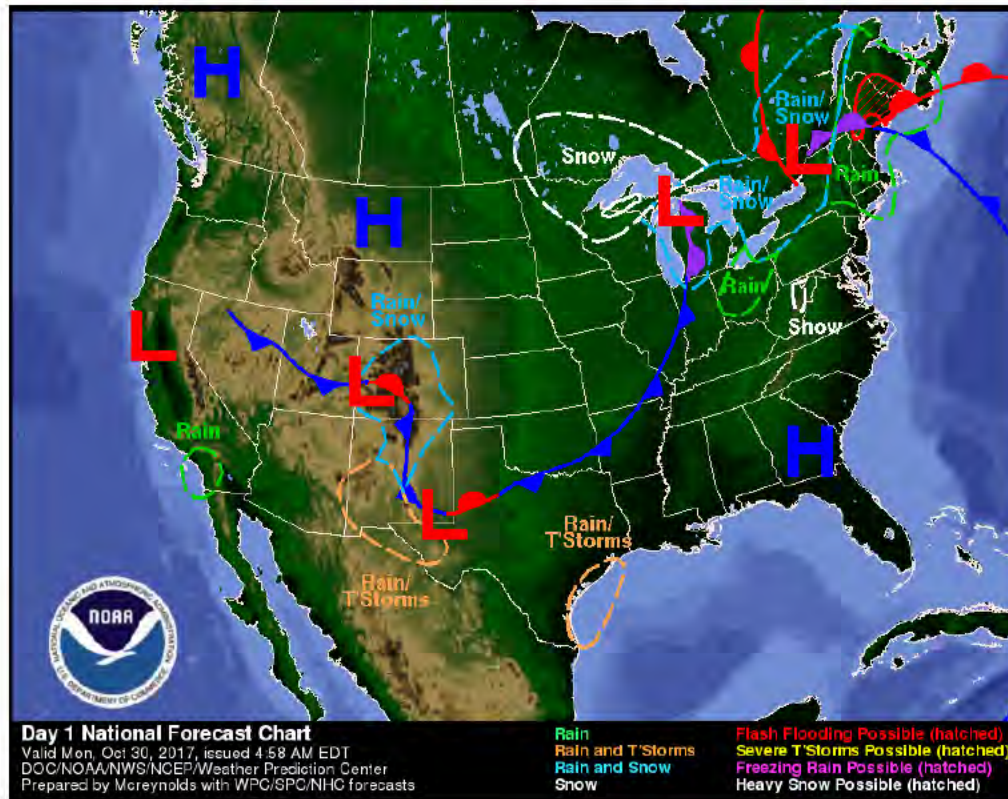
### **Today**

Tropical moisture from the remnants of Tropical Storm Philippe will draw into the rapidly deepening storm over the Northeast Coast. This low will lift through New York today and continue on its track through Quebec Tuesday and Wednesday. Rain, heavy at times, will spread across portions of the Northeast and the Great Lakes and persist for a couple of days while diminishing over the Mid-Atlantic today. Flood watches and warnings will remain in effect across portions of the Northeast. Light snow will be possible over the highest elevations of the central Appalachians. Strong winds are expected near the deep low and much of New England is under a High Wind Watch with Storm Warnings and Hurricane Force Wind Warnings for the coastal and offshore waters. Cold air behind this storm will spread over the region, from the Ohio Valley south into the Deep South. Freeze warnings are in effect for the Ohio and Tennessee Valley regions and for the western Carolinas. Frost Advisories are in effect for northern Mississippi, Alabama, southwestern Georgia, and the panhandle of Florida. Showers and thunderstorms will develop along the southern Texas Gulf coast. More showers and thunderstorms will develop from far western Texas into southern and southwestern New Mexico. Rain and snow are possible for the southern and central Rockies. Elsewhere, light rain is expected for portions of southern California.

### **Tomorrow**

The storm system covering New England on October 30 will have moved well off to the northeast; however, a cold front will extend from the New England coast back across the western Carolinas to southern Texas continuing into the Four Corners. Rain and snow will spread from the Great Lakes into the Northeast and northern New England. Rain will develop across the lower Ohio River Valley, the mid-Mississippi Valley, and portions of the central Plains. Showers and thunderstorms are possible for portions of the lower Mississippi Valley and most of Texas. A few strong thunderstorms are possible across southern Texas. Rain is likely for far western Texas and southeastern New Mexico. Rain and snow will continue for the southern and

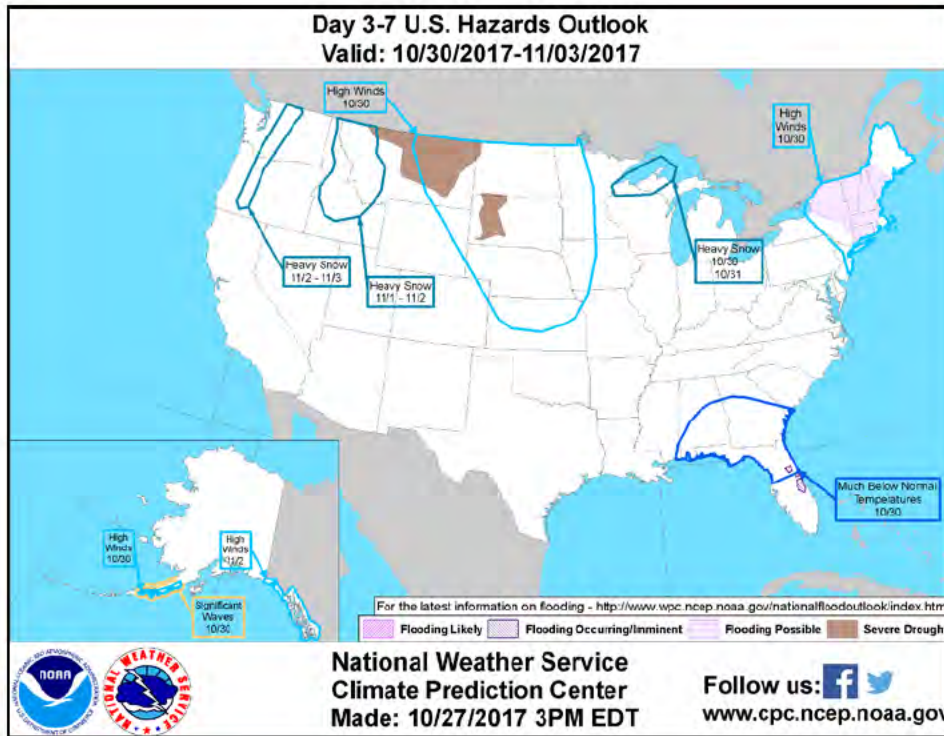
central Rockies spreading east into central Kansas. Elsewhere, rain is forecast for the Washington Cascades. Rain and snow will stretch from the Canadian Rockies to the western northern High Plains. Snow is possible for portions of the central Dakotas while heavy snow is likely for spots in western Montana.



### Weather Hazard Assessment

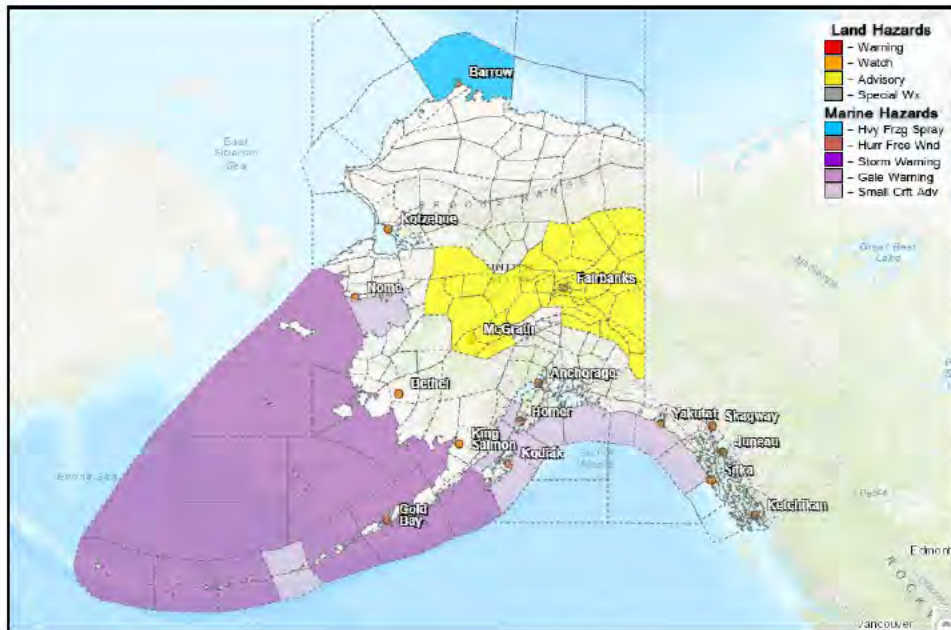
- October 30: High winds across portions of the Northeast, New Jersey, and the Great Lakes.
- October 30: High winds and high significant wave heights across parts of the southern coast of Alaska and the Aleutians.
- October 30: High winds across portions of the central and northern Plains, and the middle and upper Mississippi Valley.
- October 30: Much below normal temperatures across portions of the Southeast.
- October 30-31: Heavy snow across portions of the Great Lakes and the upper Mississippi Valley.
- November 1-2: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- November 2: High winds across portions of the Alaska Panhandle.
- November 2-3: Heavy snow across portions of the Cascades.





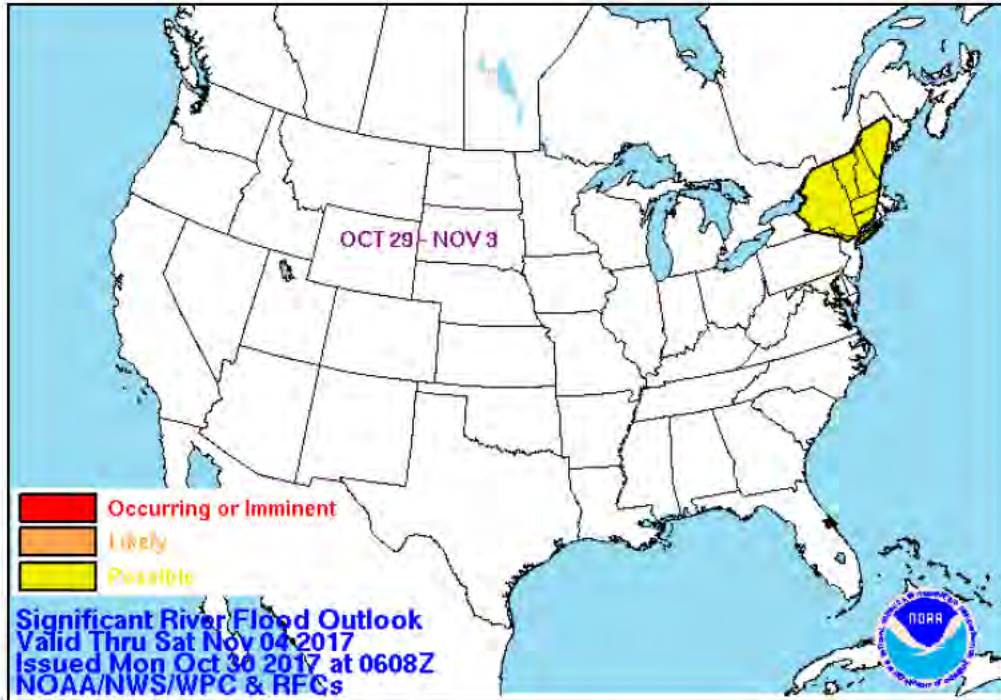
## Alaska Weather

There is a Gale Warning for most of the Alaskan waterways from Wales through to Sitkinak and along the Aleutian Island chain. There is a Small Craft Advisory from Cape Edgecumbe through Sitkinak, the Shelikof Strait, from Cook Inlet to Cape Bede, Norton Sound, and from Nikolski to Seguam. There is a Heavy Freezing Spray Warning from Point Franklin to Cape Halkett. There is a Winter Weather Advisory in effect throughout the Alaskan interior.



## Significant River Flooding

Significant river flooding is occurring or imminent across portions of eastern Florida. Significant river flooding is possible across most of New England.



## Severe Weather

No severe thunderstorm activity is forecast today.

## Tornado Weather

There is less than a two-percent chance of tornado activity today in all areas of the U.S.

## Fire Weather

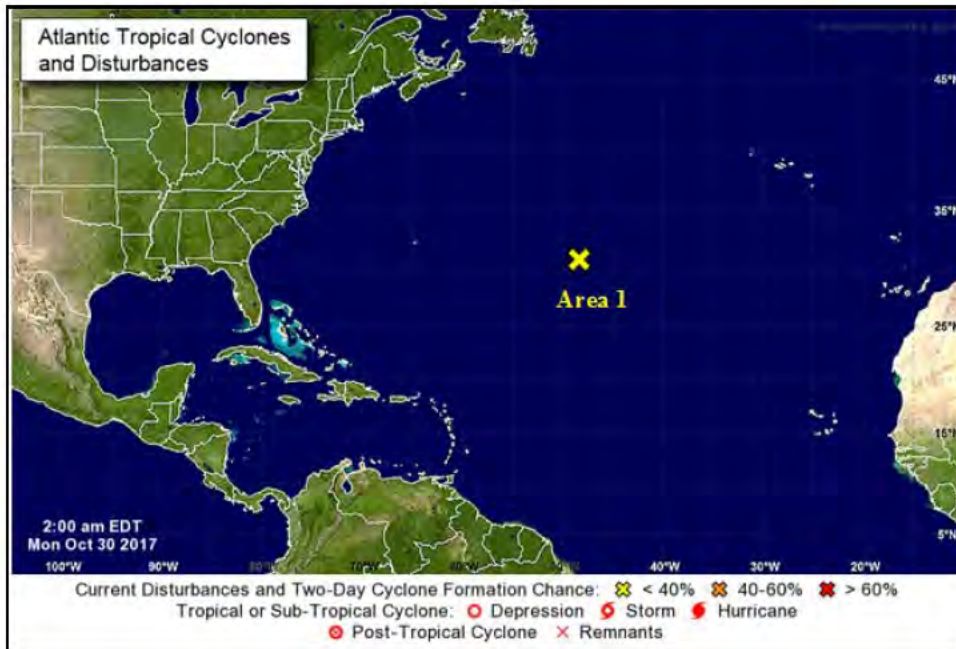
There is no Critical Fire Weather forecast for today.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 30, 2017

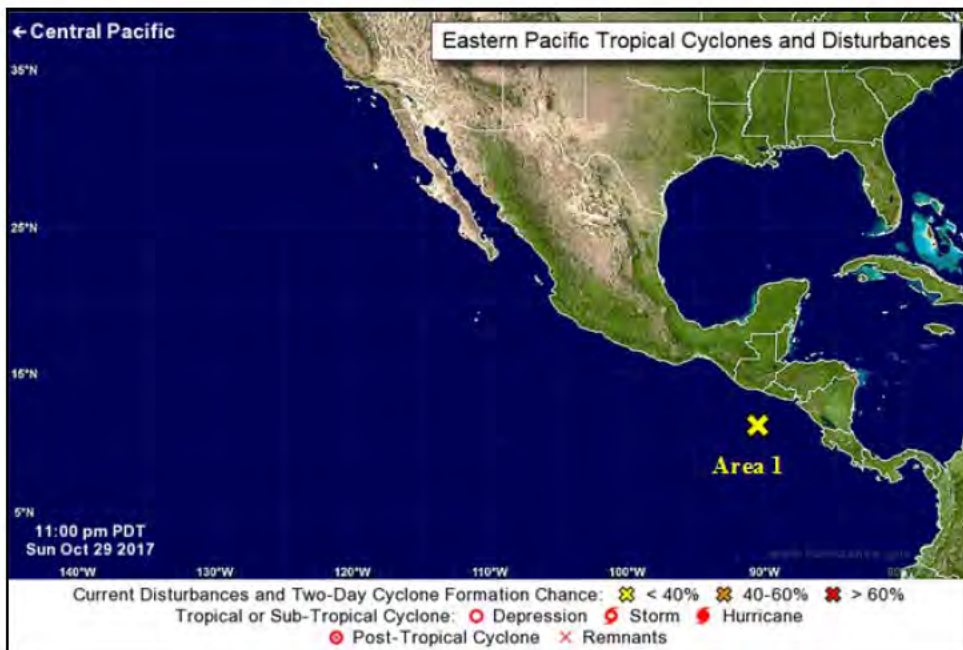
## Atlantic Ocean/Caribbean Sea/Gulf of Mexico

**Area 1:** A non-tropical low pressure system located about 1,000 miles east of Bermuda is producing some disorganized shower and thunderstorm activity. This low could gradually acquire some subtropical or tropical characteristics by the middle of the week while it meanders over the central Atlantic Ocean between Bermuda and the Azores. Chance of formation through the next 48 hours is low at 20-percent.



### Eastern Pacific Ocean

**Area 1:** A small area of low pressure located a couple of hundred miles south of the coast of Guatemala is producing disorganized showers and thunderstorms. Slow development of this system is possible during the next several days while it moves westward to west northwestward. Chance of formation through the next 48 hours is low at 10-percent.



*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, October 31, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### **General Situation**

*Source: National Oceanic and Atmospheric Administration (NOAA) – October 30, 2017*

Partly cloudy skies will prevail through Wednesday night with highs in the upper 80s and lows in the middle 70s. There is a chance of isolated to scattered showers across most of Puerto Rico, with a chance of heavier rain over northern Puerto Rico. A Flash Flood Warning remains in effect through Tuesday morning in the area near the Guajataca Dam. Rain activity will decrease in intensity and coverage by middle of the week as drier air moves into theater.

### **Other Federal and State Government Reporting**

#### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 31, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 31 at 5:00 a.m. EDT:

- *Puerto Rico:* The Puerto Rico Electric Power Authority reports estimated customers receiving power is at 30.5-percent with 95-percent restoration expected by December 15. Potable water has been restored to more than 80-percent of clients served by the PR Aqueduct and Sewer Authority (PRASA). There are 42 of the 51 PRASA wastewater

treatment plants operational. There are 90 of 115 drinking water filtration plants operational. Telecommunication officials estimate 86-percent of the population lives in areas where wireless voice and text service has been restored. Water levels at the Guajataca Dam continue to drop; evacuations will be lifted when the level reaches 14 feet below the spillway, which is expected around November 1.

- *U.S. Virgin Islands:* Virgin Islands Water and Power Authority estimates 90-percent power restoration by late December. Grid power serves 31.4-percent of the population for St. Thomas, 3.3-percent for St. Croix, and 12.1-percent for St. John. Telecommunication officials report 63.6-percent of cellular sites are operational and estimate that 88-percent of the population lives in areas where wireless voice and text service are restored. Boil water advisories remain in effect due to a drop in water pressure.

### **Flooding - Northeastern U.S.**

#### **United States Geological Survey Response to Flooding in Maine and New Hampshire**

*Source: U.S. Geological Survey - October 30, 2017*

Widespread flooding is occurring in western Maine and in the headwaters of the Saco and Androscoggin rivers in New Hampshire. The flooding is the result of an overnight storm on Sunday and heavy rainfall the previous week. Several gages are at, or are forecasted to reach, minor to moderate National Weather Service (NWS) flood stages. Downed trees and power outages occurred in the area, and reports from United States Geological Survey (USGS) field crews indicate that gage site access is challenging due to the remoteness of the locations and damage to bridges.

As of October 30, many USGS staff experienced issues traveling to their workplace or are dealing with damage at their homes from the storm. One streamgage was damaged, but is still operating, with valid data on the web. Three crews are being deployed on October 31 for high flow measurements and rating confirmation as stations recede.

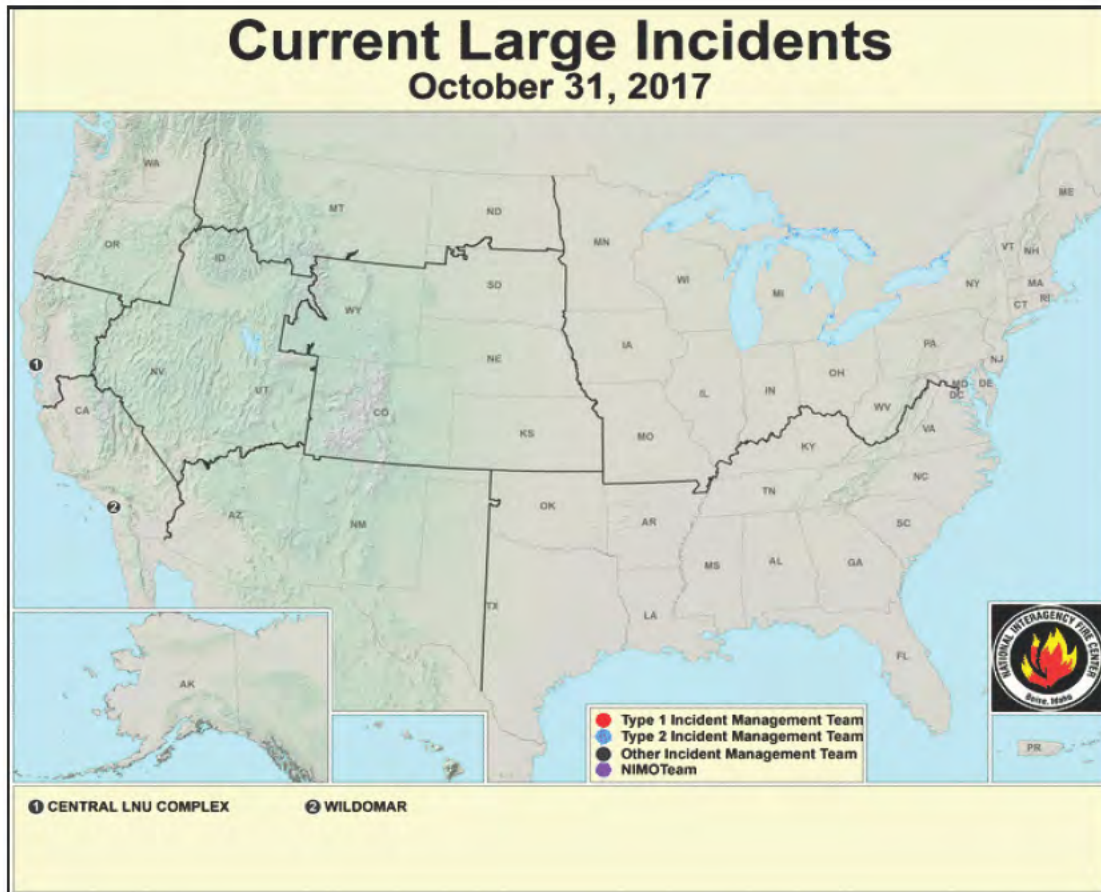
#### **United States Geological Survey Response to Flooding in New York**

*Source: U.S. Geological Survey - October 30, 2017*

Heavy rainfall Sunday night resulted in local stream and coastal flooding on Long Island in New York. Due to the dry conditions across Long Island prior to the heavy rainfall, the stream flooding was minor and receded quickly. However, the combination of strong southerly winds and precipitation runoff contributed to locally moderate to major coastal flooding along the back bays of southern Long Island. The USGS gages at Watch Hill reached major flood elevation, and the USGS gage at Sayville fell just short of reaching major flood elevation. Many other USGS gages along the southern shore of the island reached the moderate flood elevation overnight. On October 30, one USGS team from the Coram, New York office was in the field making discharge measurements on the receding streams.

## Wildland Fire Activity

### Large Fire Map



### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 31, 2017

#### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (49 new fires)
New large incidents:	0
Large fires contained:	1
Uncontained large fires: **	1
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and a small explosion occurred in the early morning hours of October 30. The explosion was detected during seismic activity monitoring. Conditions were cloudy at the time of the explosion, and no volcanic clouds were observed in satellite views reaching above cloud level.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 30, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey, Pacific Tsunami Warning Center, and National Tsunami Warning Center – October 30, 2017*

The USGS reported that a magnitude 6.8 earthquake occurred on October 30, approximately 67.6 miles to the east of Tadine, New Caledonia, at a depth of about 18 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. There was no Pacific-wide tsunami threat because of the earthquake, but very small tsunami waves, less than 5 inches, were observed in portions of New Caledonia and Vanuatu. Coastal areas were advised to exercise normal caution and no further actions were required.

## **Significant National Weather**

*Source: National Weather Service - October 31, 2017*

### **Today**

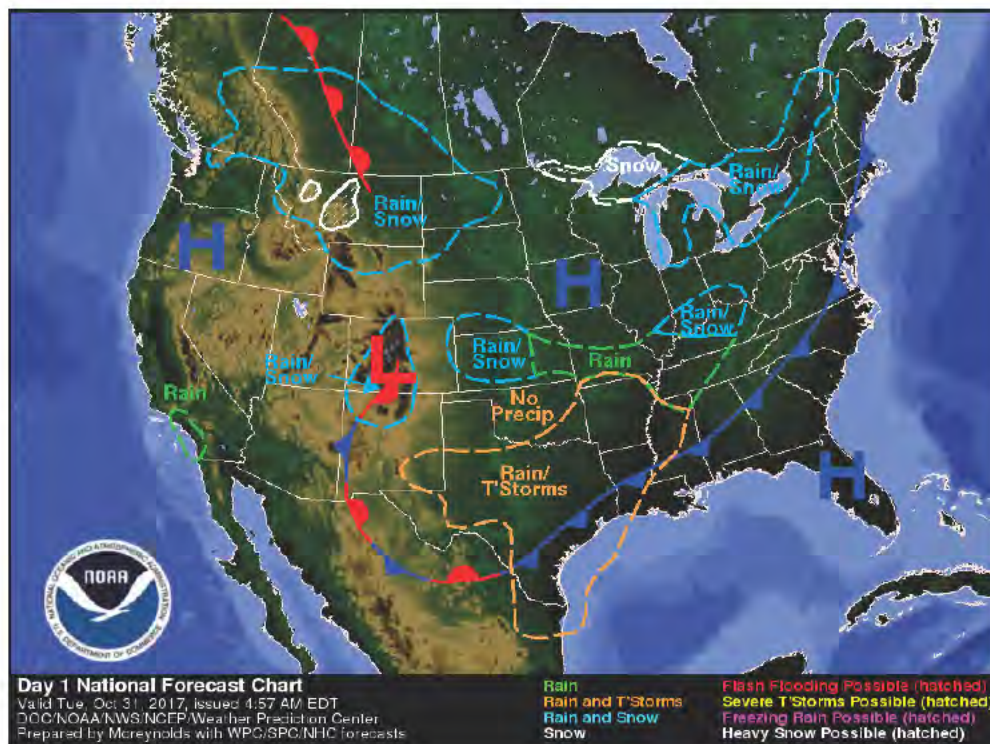
Rain and snow will develop across parts of the Great Lakes and Northeast. Snow is possible for the Lake Superior region. Rain and thunderstorms will develop across most of Texas and the lower Mississippi Valley. Rain is likely for portions of the middle Mississippi Valley and the Tennessee Valley. Rain and snow is expected for portions of the lower Ohio River Valley and



the central Plains. Rain and snow will continue for the Rockies of Colorado and northern New Mexico. Rain and snow will stretch from the Plains south to the northern Rockies and western northern High Plains. Expect heavy snow for the Montana Rockies.

## Tomorrow

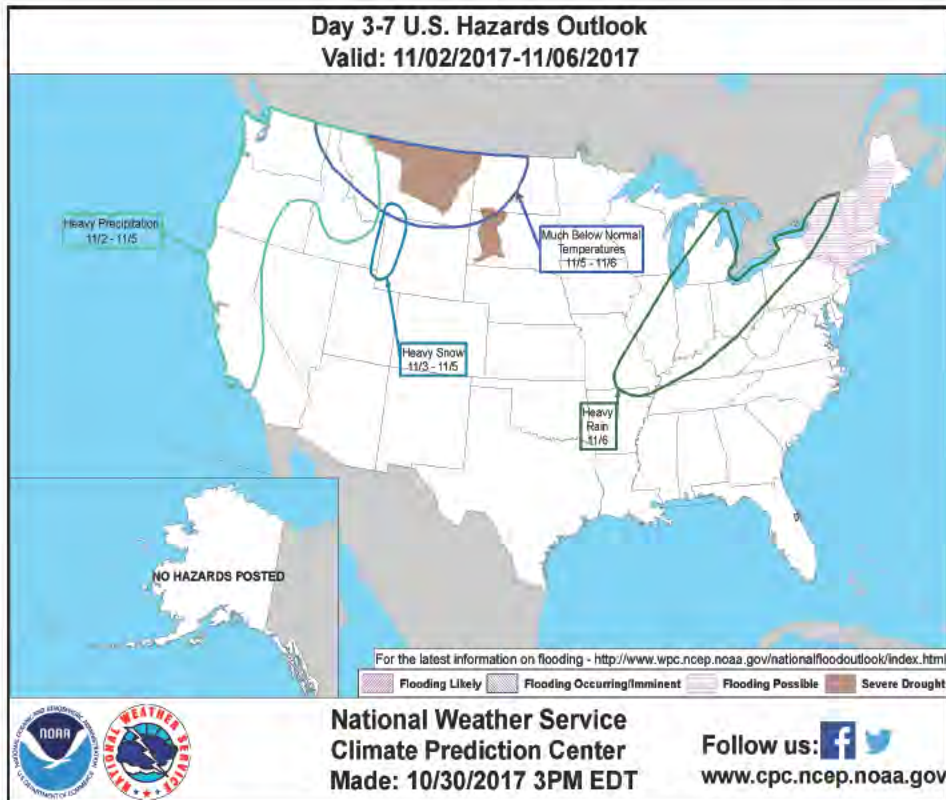
Rain and thunderstorms will develop from eastern Texas into the lower Mississippi Valley and the Deep South. A few thunderstorms are expected across eastern Texas into the lower Mississippi Valley, with isolated strong storms possible. Scattered rain is possible across the Midwest, the southern Great Lakes, the Ohio Valley, the mid-Atlantic, and the Northeast. Rain showers are likely for the Carolina coastal regions and parts of southern Florida. Rain and snow will extend from the upper Midwest east across the northern Great Lakes to northern New England. Snow is likely for portions of northeastern North Dakota, northern Minnesota, and the western Lake Superior region. Rain and snow is expected across the Cascades, interior Northwest and parts of the western High Plains. Heavy snow is possible for the northern Rockies and northern Cascades.



## Weather Hazard Assessment

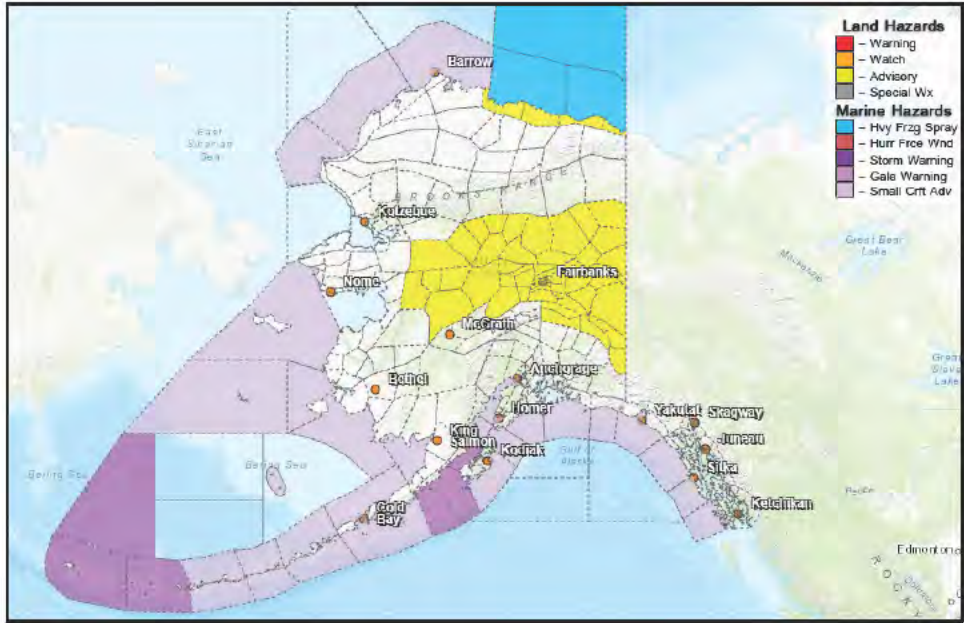
- October 31: Severe drought across the northern Plains, the northern Rockies, and Hawaii.
- October 31: Flooding is possible across portions of the mid-Atlantic, the Northeast, and the Great Lakes.
- October 31: Flooding is occurring across the St. Johns River in Florida.

- November 2-5: Heavy precipitation across portions of California, Oregon, Washington, and the northern Rockies.
- November 3-5: Heavy snow across portions of the northern and central Rockies and the Great Basin.
- November 5-6: Much below-normal temperatures across portions of the northern Plains, the northern Rockies, and the northern Great Basin.
- November 6: Heavy rain from the middle Mississippi Valley through the Great Lakes.

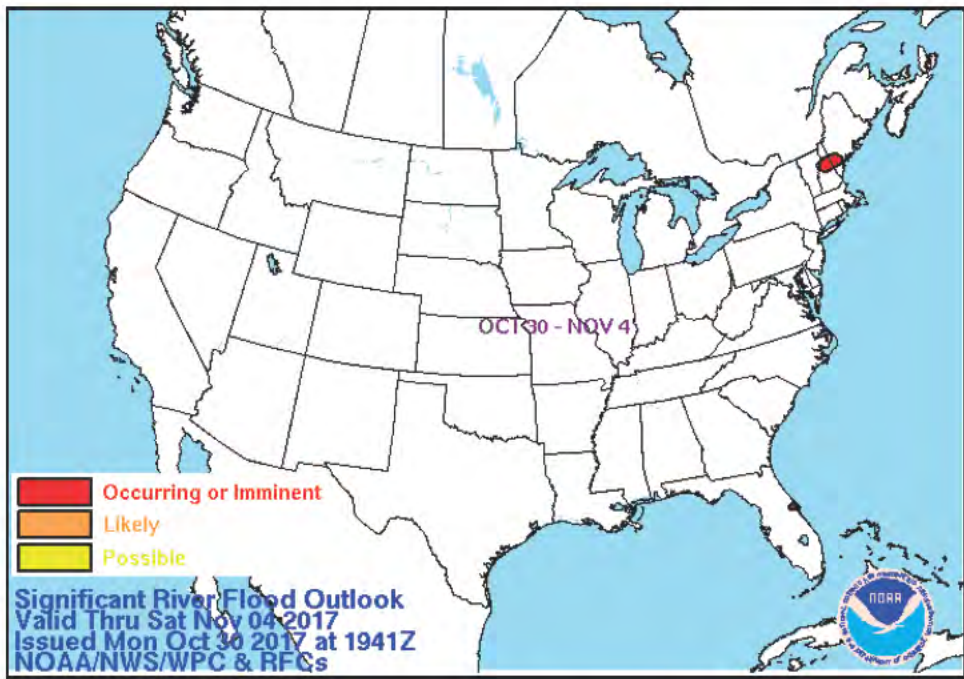


## Alaska Weather

There is a Gale Warning from Sitkinak to Castle Cape and along the western Aleutian Island chain. There are Small Craft Advisories for most of the Alaska shore waters of the Gulf of Alaska, the Aleutians, the Bering Sea and Chukchi Sea. There is a Heavy Freezing Spray Warning from Cape Halkett to the Canada border. There is a Winter Weather Advisory in effect throughout the Alaskan interior and along the North Slope.



**Significant River Flooding**



Significant river flooding is occurring or imminent across portions of eastern Florida, New Hampshire, and Maine.

**Severe Weather**

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a two-percent chance of tornado activity today in all areas of the U.S.

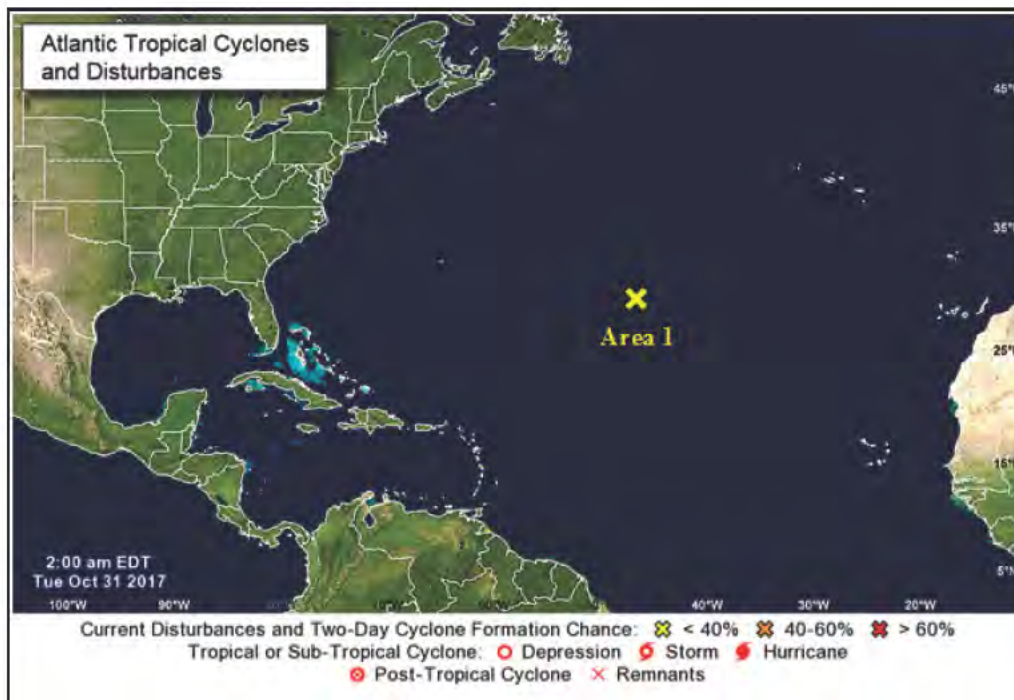
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – October 31, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Area 1:** A weak non-tropical area of low pressure located about 1,000 miles east-southeast of Bermuda is producing limited shower and thunderstorm activity. Strong upper-level winds and dry air are expected to limit any development of subtropical or tropical characteristics with this system during the next couple of days while it meanders over the central Atlantic Ocean between Bermuda and the Azores. There is a 20-percent chance of tropical formation over the next 48 hours.

### Eastern Pacific Ocean

Tropical cyclone formation is not expected during the next 48 hours.

*\*End of Report\**

**Distribution:**

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EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, November 1, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 2  
Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 3 (Enhanced Operations)

## Tropical Weather Response and Recovery

### DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery Efforts

#### DOI Support to FEMA Surge Capacity Force

- **Office of Emergency Management (OEM):** Twenty-seven employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, and Florida. FEMA reported on October 31 that they do not anticipate the need to deploy additional DOI personnel to support their Surge Capacity Force.

#### DOI Support to the Small Business Administration (SBA)

- **Office of Emergency Management (OEM):** Thirty-six employees from DOI Bureaus and Offices are currently supporting, or are scheduled to provide support to, the SBA. The group is comprised of volunteers working in New York, Texas, California, Virginia, Florida, and Washington, D.C. OEM is working with the SBA to deploy an additional 57 DOI personnel, which does not include an additional 10 personnel that are set to deploy on November 13.

## **DOI Bureau and Office Reporting**

### **U.S. Bureau of Reclamation (USBR) Update**

*Source: U.S. Bureau of Reclamation - October 31, 2017*

The Puerto Rico Electric Power Authority (PREPA) has requested that the USBR serve as the owner's representative to review the U.S. Army Corps of Engineers design of permanent repairs to the Guajataca Dam. The USBR is continuing to maintain situational awareness of the activities surrounding the hurricane response and recovery activities and will provide additional updates when information becomes available.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - November 1, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of November 1 at 5:00 a.m. EDT:

- *Puerto Rico:* The Puerto Rico Electric Power Authority reports estimated customers receiving power is at 33.4-percent with 95-percent to be restored by December 15. Potable water has been restored to more than 80-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 90 of 115 drinking water filtration plants operational; 42 of the 51 PRASA wastewater treatment plants are operational. Boil Water advisories remain in effect territory wide. Telecommunication officials report 41.8-percent of cellular sites are operational and estimate 86-percent of the population lives in areas where wireless voice and text service has been restored. Water levels at the Guajataca Dam have dropped to 9.84 feet below the spillway with target elevation for interim repairs being 17 feet below the spillway. There is no evacuation order, but a Flash Flood Warning remains in effect in the area.
- *U.S. Virgin Islands:* Virgin Islands Water and Power Authority estimates 90-percent power restoration by late December. Grid power serves 31.4-percent of the population for St. Thomas, 3.3-percent for St. Croix, and 12.1-percent for St. John. Telecommunication officials report 50.4-percent of cellular sites are operational and an estimated 88-percent of the population lives in areas where wireless voice and text service has been restored. Boil Water advisories remain in effect due to a drop in water pressure.

## Wildland Fire Activity

### **Bureau of Indian Affairs Supporting California Wildfire Recovery**

Source: Bureau of Indian Affairs (BIA) Emergency Management Sitrep - October 31, 2017

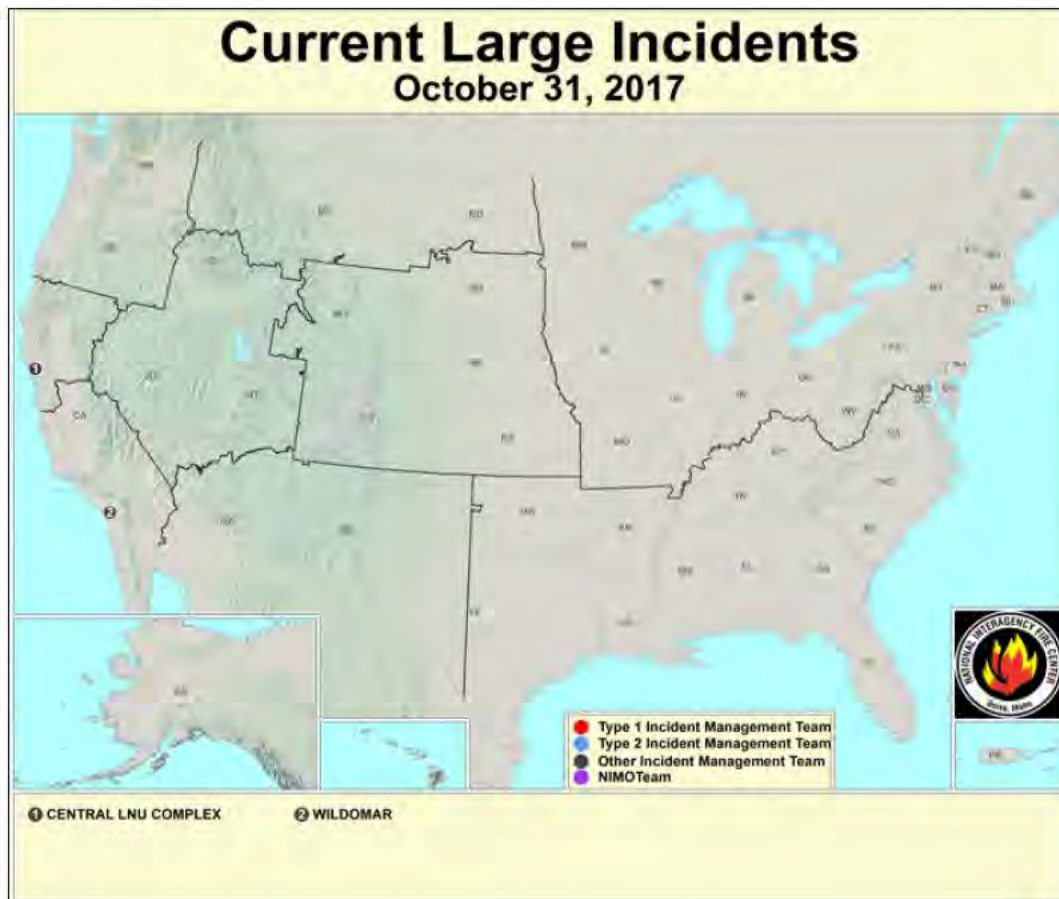
BIA Emergency Management has received and accepted an Emergency Support Function (ESF)-5 mission assignment (MA) supporting the FEMA Region IX at the California State Emergency Operations Center and at the Wildfire Joint Field Office (JFO). The BIA National Emergency Manager will support FEMA with Tribal and local jurisdiction coordination during the response and recovery operations.

This MA is unique, as BIA Emergency Management has been asked to collaborate and coordinate at the ESF-5 level, versus the ESF-15 Tribal mission assignment level that BIA normally receives in this type of event. The National Emergency Manager will be responsible for maintaining a Tribal Common Operating Picture (COP), Tribal outreach, and coordinating resource requests between FEMA, the State of California, and the impacted Tribes.

### **Wildland Fire Incident Management Situation Report**

Source: National Interagency Fire Center – November 1, 2017

#### **Large Fire Map**





## **National Preparedness Level 2**

### **National Fire Activity**

Initial attack activity:	Light (19 new fires)
New large incidents:	0
Large fires contained:	1
Uncontained large fires: **	0
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	3
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and satellite imagery indicated slightly elevated surface temperatures at the summit during this reporting period. No explosive activity was detected in seismic or infrasound data over the past day.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 31, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

### **Earthquake Activity**

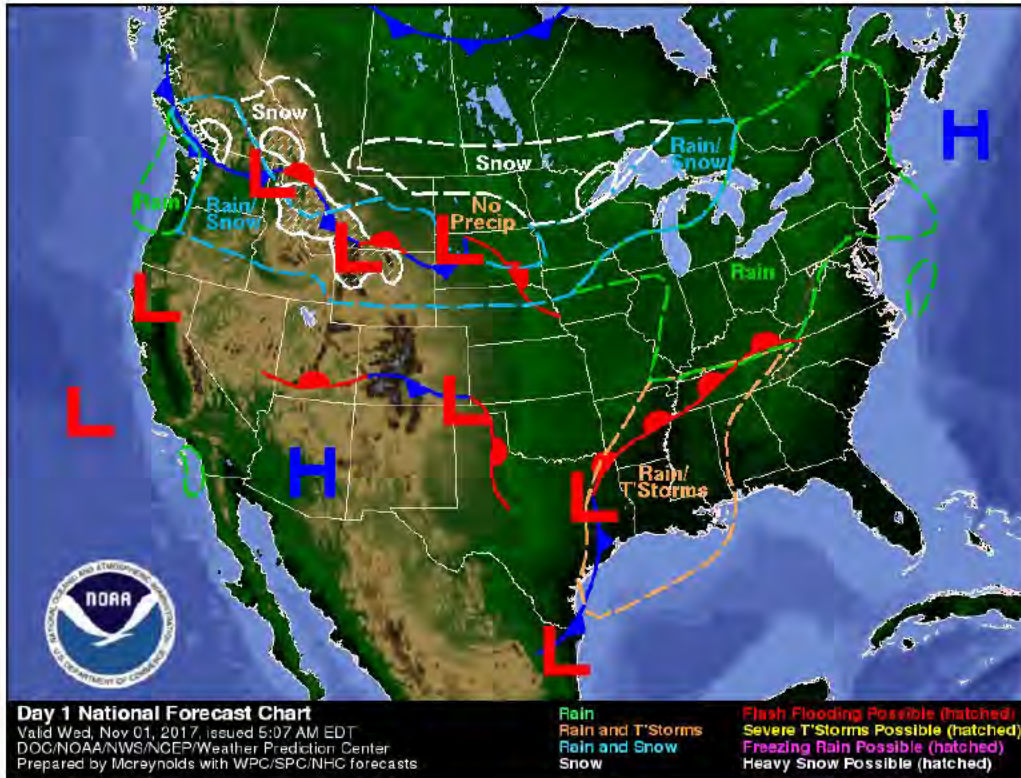
*Source: U.S. Geological Survey – October 31, 2017*

The USGS reported that a magnitude 6.3 earthquake occurred on October 31 at 7:50 a.m. EDT, approximately 20.4 miles to the west-southwest of Hila, Indonesia, at a depth of about 20 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. No tsunami was generated.

Between 8:09 p.m. EDT yesterday and 1:09 a.m. EDT today, three earthquakes (magnitude 6.1, 6.6, and 6.6) were reported in the area of Tadine, New Caledonia. The USGS issued a Green PAGER Alert for the initial earthquake, indicating a low likelihood for damages and injuries. No tsunami watches or warnings were issued for U.S. interests in the Pacific due to this activity.

### **Significant National Weather**

Source: *National Weather Service - November 1, 2017*



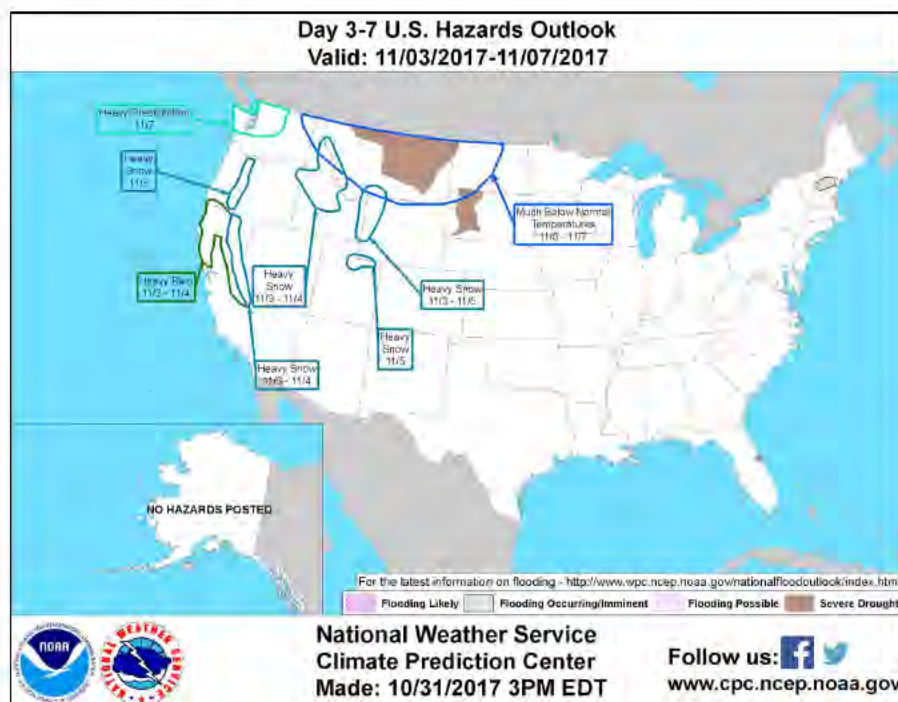
### **Today**

Rain and thunderstorms will linger over portions of the southern Plains and central Gulf Coast as a frontal boundary weakens over the area. Pockets of higher rainfall rates along this boundary over eastern Texas and Louisiana may increase the risk for excessive rainfall. While the precipitation over much of the Midwest and upper Mississippi Valley will fall as rain, it is forecast to switch over to snow for northern Minnesota and northern Wisconsin. Cool temperatures from the Ohio Valley to the Northeast will allow some precipitation mixing with or changing to snow. Along the Rockies, daytime rain and overnight accumulating snowfall will be possible, especially across the northern Plains and the upper Mississippi Valley. Generally, 2 to 4 inches of snow is forecast in the lower elevation of these areas, higher amounts expected in the higher terrain. The Cascades can expect heavy snowfall.

## Tomorrow

Showers and thunderstorms will extend from the lower Mississippi Valley to the Midwest, and Ohio Valley. Rain will extend from the Midwest across the southern Great Lakes to New England. Rain and snow is possible from the northern Great Lakes to eastern Canada. In the West, a large area of snow will extend from the Canadian Rockies down into the northern Plains. Heavy snow is expected for the Tetons, northern Rockies, and Cascades. Rain and snow is possible over the interior Northwest, the northern Great Basin, and the Cascades. Rain will be found up and down the West Coast from southern California to Washington state.

## Weather Hazard Assessment



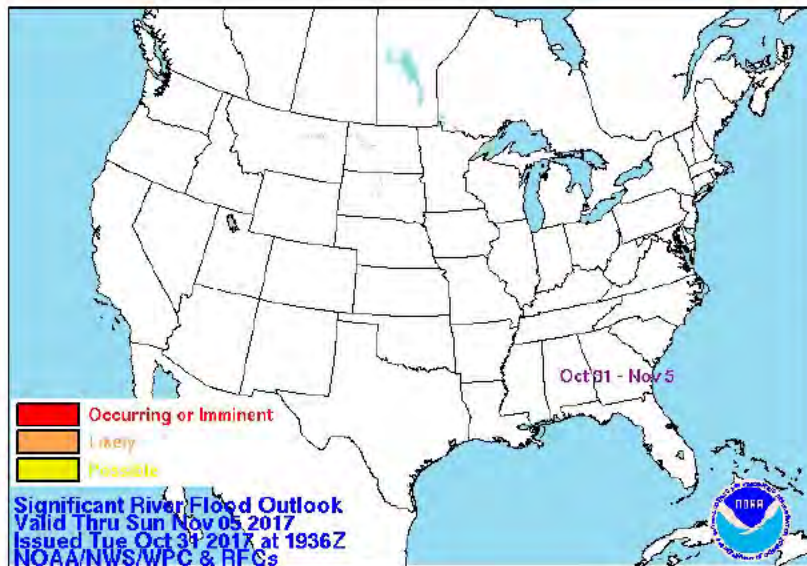
- November 1: Severe drought across the northern Plains, the northern Rockies, and Hawaii.
- November 1: Flooding is occurring or imminent across portions of Florida and the Northeast.
- November 3: Heavy snow across portions of the Cascades of Oregon.
- November 3-4: Heavy snow across portions of the Sierra Nevadas, the Great Basin, and the northern Rockies.
- November 3-4: Heavy rain across portions of California and Oregon.
- November 5: Heavy snow across portions of the Uinta Mountains.
- November 5-7: Much below-normal temperatures across portions of the northern Plains, the northern Rockies, and the northern Great Basin.
- November 7: Heavy precipitation across portions of Washington.

## Alaska Weather

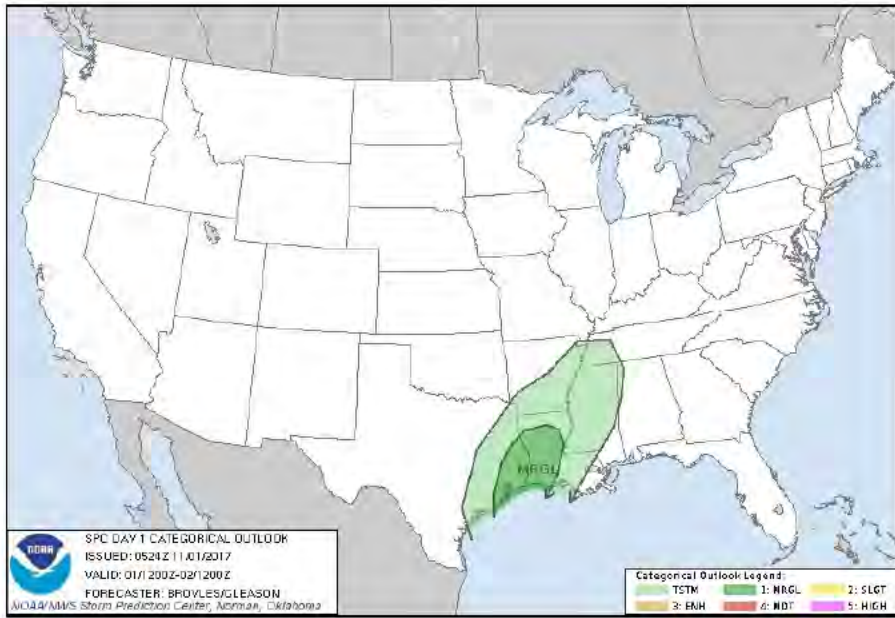


Gale Warnings are in effect in the central Bering Sea and from Cape Decision to Cape Fairweather. There are Small Craft Advisories for portions of the Gulf of Alaska, the Aleutians, Saint Matthew Island, the Pribilof Islands, Cape Thompson to Cape Beaufort, and Flaxman Island to the Demarcation Point. There is a Heavy Freezing Spray Warning in U.S. Arctic offshore waters. There is a Winter Weather Advisory in effect around Fairbanks, Anchorage, and the North Slope.

## Significant River Flooding

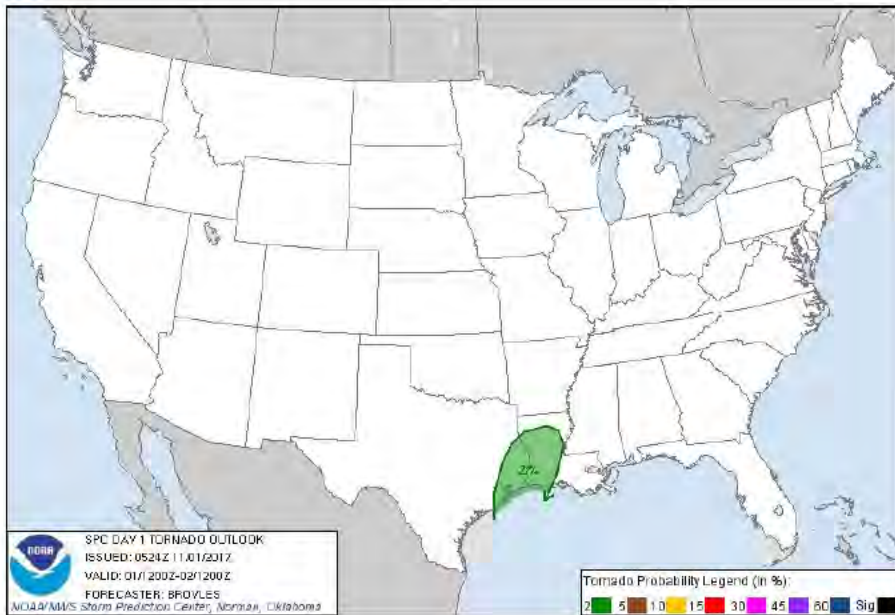


Significant river flooding is occurring or imminent across portions of east-central Florida.  
**Severe Weather**



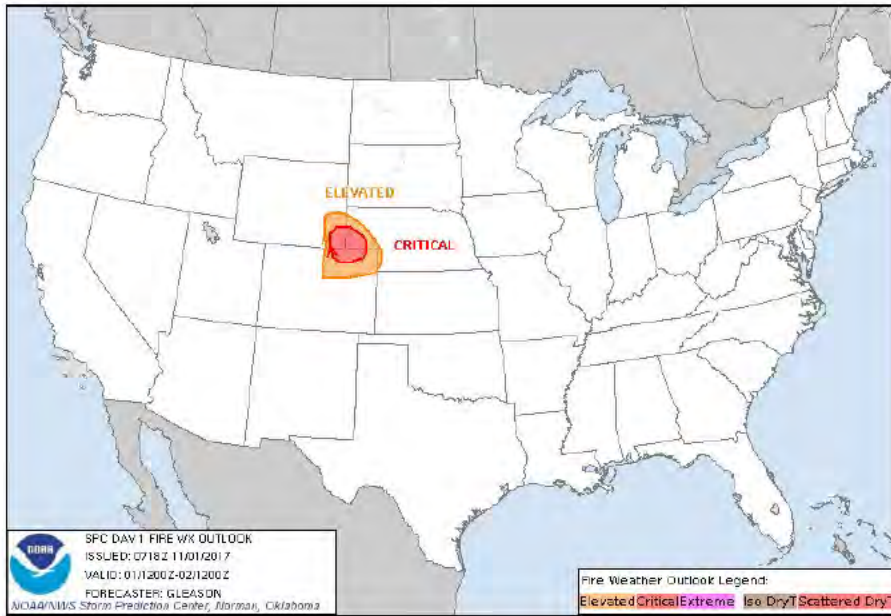
There is a Marginal Risk of severe thunderstorm activity forecast for southeastern Texas and south-central Louisiana.

### **Tornado Weather**



There is a two-percent chance of tornado activity in southeastern Texas and south-central Louisiana.

## Fire Weather

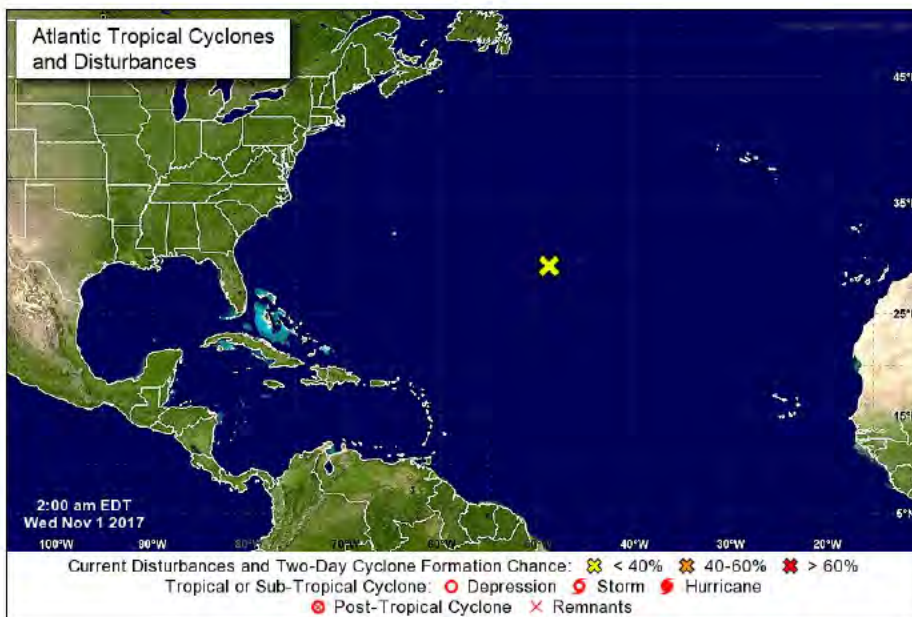


Critical Fire Weather and a surrounding Elevated Fire risk area is forecast for southeastern Wyoming, southwestern Nebraska, and northeastern Colorado.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – November 1, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



A weak and non-tropical area of low pressure located about 1,000 miles east-southeast of Bermuda is producing a minimal amount of shower activity. Subtropical or tropical development of the low is not expected due to unfavorable environmental conditions while the system moves westward near 10 miles per hour (mph) during the next couple of days. There is a near zero-percent chance of tropical formation over the next 48 hours.

### **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

### **Other News and Notes**

#### **Terror Attack -New York City**

*Source: DHS National Operations Center - November 1, 2017*

On October 31, at 3:05 EDT, a suspect driving a rental truck entered a bike path in lower Manhattan, New York, killing eight people and injuring eleven. The FBI New York Joint Terrorism Task Force has established a Joint Operations Center and is treating this incident as a terrorism event. The suspect drove the truck onto the West Street bike path and drove southbound approximately 1 mile, striking pedestrians and bicyclists, before colliding with a school bus. The suspect exited the truck holding two handguns, later determined to be a pellet gun and a paintball gun. The suspect failed to comply with an NYPD officer's order to drop the weapons and the suspect was shot. The suspect is in critical condition; however, is expected to survive.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries

Bureau Heads

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EM Coordinators and Alternates

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EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, November 2, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Wildland Fire Activity

### **National Preparedness Level (PL) Lowered to Level 1**

*Source: National Interagency Coordination Center – November 1, 2017*

The National Preparedness Level (PL) was lowered from 2 to 1 effective October 31. Large wildland fire and initial attack activity has significantly decreased nationally. There is very little mobilization of resources through the Geographic Area Coordination Centers (GACCs) and the National Interagency Fire Center (NIFC). There is minimal potential for significant wildland fires in most Geographic Areas.

At PL 1, conditions are not favorable to support significant wildland fire activity in most Geographic Areas. Resource capability is adequate with little or no mobilization of resources occurring through the National Interagency Coordination Center (NICC) at NIFC. The potential for emerging significant wildland fires is expected to remain minimal.

Daily fire information posting ended on November 1 and the NICC Incident Management Situation Report (IMSR) will be posted every Friday at 10:00 a.m. EDT, unless significant activity occurs.



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano, and satellite imagery indicated moderately elevated surface temperatures at the summit during this reporting period. No explosive activity was detected in seismic or infrasound data over the past day.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 1, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) – November 1, 2017*

The USGS reported that a magnitude 6.1 earthquake occurred on November 1 at 8:09 p.m. EDT, approximately 68 miles to the east of Tadine, New Caledonia, at a depth of about 6 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. No tsunami watches or warnings were issued for U.S. interests in the Pacific due to this activity.

## **Significant National Weather**

*Source: National Weather Service - November 2, 2017*

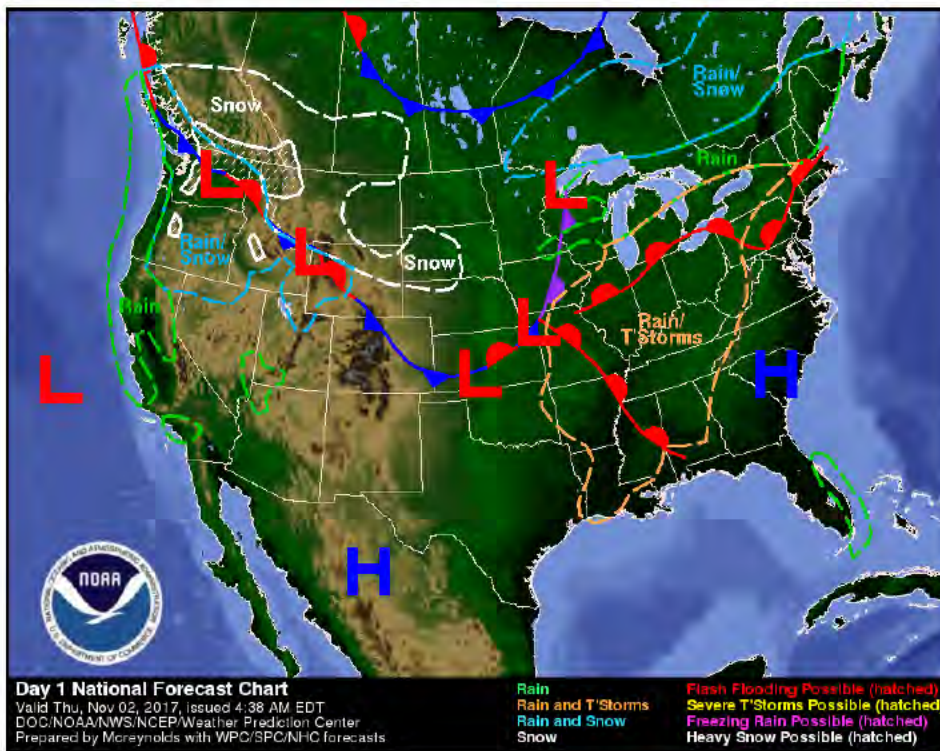
### **Today**

High pressure centered over the Carolinas will produce warm weather along the East Coast from southern New England to northern Florida. Scattered rain will be found along Florida’s central and southern Atlantic coastal region. A complex weather system will push into the eastern portions of the Nation. Rain and thunderstorms will develop from the lower Mississippi Valley north to the southern Great Lakes and parts of the Northeast. Rain will extend from the Great Lakes to northern New England. Unsettled weather will move into the Northwest, northern Rockies, and West Coast. Rain is expected along the coast from Vancouver Island to southern California. Rain and snow is possible for the northern Great Basin and Inter-mountain

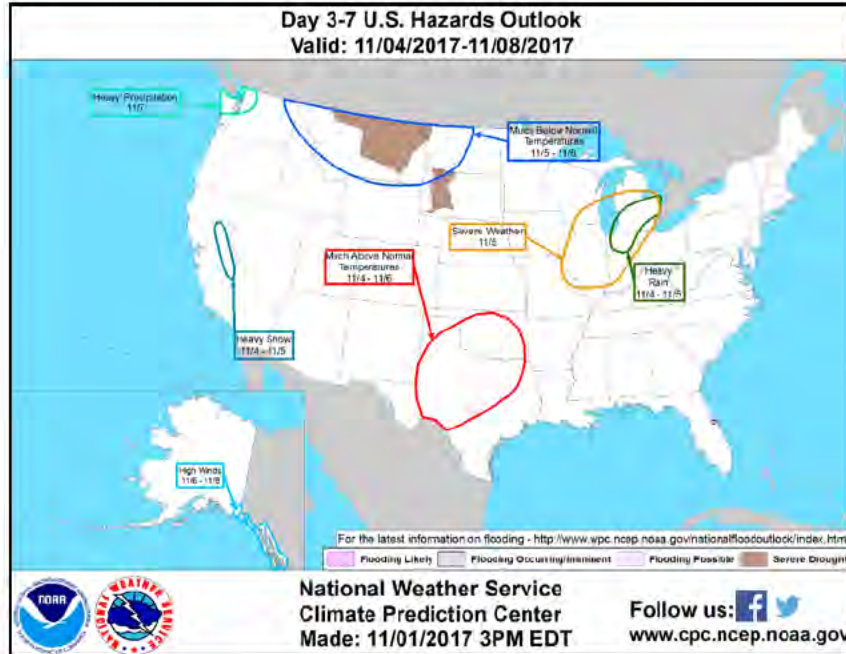
Northwest. Snow is likely from the Canadian Rockies south through the northern Rockies into the northern Plains. Heavy snow is forecast for the Cascades, Bitterroots, and far northern Rockies.

### Tomorrow

A frontal boundary will extend from northern New England down through the Ohio Valley to northern Texas. Rain and thunderstorms will develop from the lower Mississippi Valley to the central Appalachians. It will likely rain for portions of the Midwest and from the central Appalachians to New England. Rain is expected across the Outer Banks of North Carolina and southern Florida. Active weather continues for the West Coast, Northwest, and High Plains. Rain and snow will stretch from South Dakota to southern Wisconsin. Snow is possible from the northern Rockies eastward to the northern Great Lakes. Heavy snow is forecast from north-central South Dakota to northern Wisconsin. Freezing rain is likely for parts of northern South Dakota. Rain will continue up and down the West Coast from Washington to southern California. Rain and snow will be scattered across the Sierras, Great Basin, northern Rockies, and interior Northwest. Heavy snow is expected for the northern Sierras and northern Rockies.



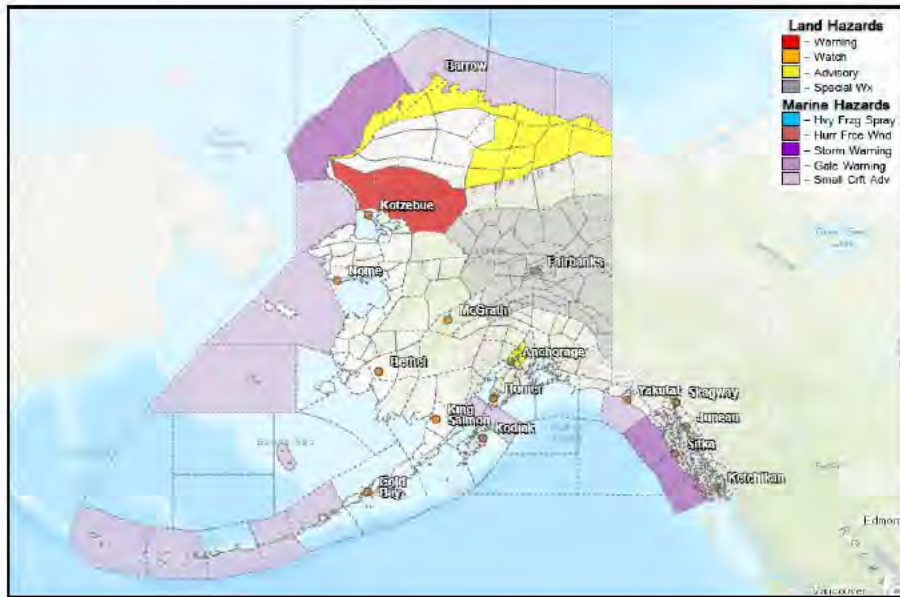
## Weather Hazard Assessment



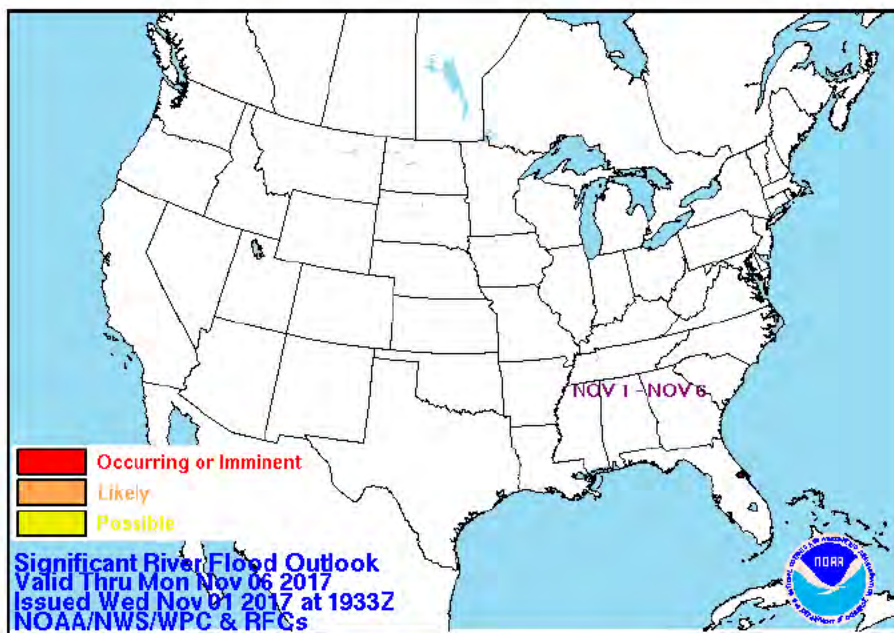
- November 4-5: Heavy rain for portions of lower Michigan and Indiana.
- November 4-5: Heavy snow in the Sierra Range.
- November 5: Severe weather from Illinois to lower Michigan.
- November 5-8: Much below-normal temperatures from northern portions of the Intermountain region to the northern High Plains.
- November 6-8: Periods of strong winds over the Alaska Panhandle.
- November 7: Heavy precipitation in portions of western Washington State.

### Alaska Weather

Gale Warnings are in effect in from Cape Thompson to Point Franklin and southeast Alaska outside Waters to Cape Decision. There are Small Craft Advisories for Point Franklin to Demarcation Point, Wales to St. Matthew Island Waters, Pribilof Islands, Barren Islands East and West, Kiska to Nikolski and Cape Fairweather to Icy Cape. There is a Winter Weather Advisory from Cape Lisburne to Barrow, Atkasuk to Demarcation Bay, Middle Kupanuk River to Anaktuvuk Pass, Sagwon to Atigun Pass, Canning River to Kongakut River. There is a Winter Storm Warning in effect for the western Brooks Range area.



### Significant River Flooding



Significant river flooding is occurring or imminent across portions of eastern Florida.

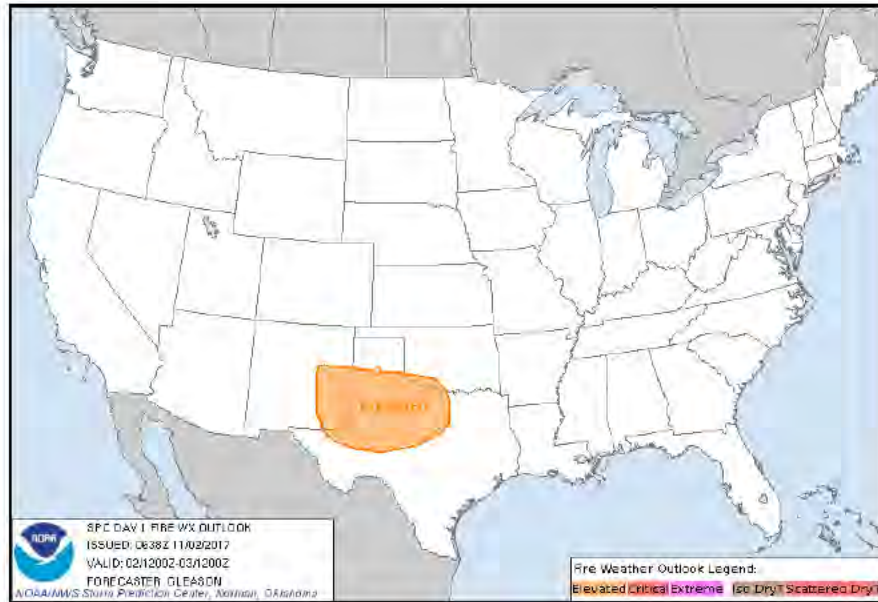
### Severe Weather

There is no severe thunderstorm activity forecast for the U.S. today.

### Tornado Weather

There is less than a two-percent chance of tornado activity in the U.S. today.

## Fire Weather



There is no Critical Fire Weather forecast for the U.S. today; however, there is Elevated Fire Weather forecast for eastern New Mexico, central Texas, and southern Oklahoma.

### **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – November 2, 2017

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

Tropical cyclone formation is not expected during the next 48 hours.

#### **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

***\*End of Report\****

#### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, November 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

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**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## Tropical Weather Response and Recovery

### DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery Efforts

#### Emergency Support Function (ESF) #10 (Oil and Hazardous Materials)

- ESF #10 – Office of Environmental Protection and Compliance (OEPC): OEPC is working with NPS to identify a path forward for removal of ships on Park lands on the U.S. Virgin Islands that are not covered under ESF #10 or the Oil Spill Liability Trust Fund (OSLTF) funding. The USCG, because of its ESF #10 mission assignment is not able to perform salvage operations on DOI lands, even if reimbursed. OEPC is exploring other collaborative opportunities as well as the issue of funding the mission to remove the vessels.
- ESF #10 – United States Fish and Wildlife (USFWS): USFWS continues to have one individual deployed assisting the United States Coast Guard (USCG) with environmental issues, federal land delineation, and identification of abandoned vessels. There are limited stranded and abandoned vessels on Puerto Rico and only a few located on Culebra National Wildlife Refuge (NWR) and Vieques.
- ESF #10 – National Park Service (NPS): NPS has an individual deployed to the U.S. Virgin Islands, where 86 vessels have been documented at two parks on St. John and St.

Thomas. OEPC is working with the USCG and National Response Team (NRT). The number of vessels might decrease as owner and insurance companies claim abandoned vessels.

### **ESF #11 (Agriculture and Natural Resources)**

- **ESF #11 – OEPC:** In Puerto Rico, two mission assignments (MAs) are in the queue. OEPC is currently giving assistance to the Institute of Puerto Rican Culture and General Archives and is conducting damage assessments for both the collection at sites and structure itself. OEPC is coordinating assistance with NPS, the National Archives and Records Administration (NARA), the Library of Congress (LOC), FEMA, and the Smithsonian. OEPC is also providing assistance to the State Historic Preservation Officer (SHPO). Damage assessments are being conducted at National Register buildings and OEPC is also coordinating with the Advisory Council on Historic Preservation (ACHP), NPS, and FEMA for these sites. Additional MAs for providing assistance to the natural and cultural resources impacted by Hurricane Maria may be forthcoming.

In the U.S. Virgin Islands, discussions are underway for OEPC to provide similar assistance to the SHPO in the U.S. Virgin Islands once needs are identified.

In Florida, OEPC is currently coordinating with FEMA's Environmental and Historic Preservation (EHP) to provide support for environmental reviews and the Public Assistance (PA) process. Support will be for 60 days and OEPC will coordinate with OEM and the bureaus and offices for staffing assistance.

### **Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- **OEPC:** The OEPC Field Coordinator for the Hurricane Harvey in Texas is being supported by two additional team members from NPS. Supporting team members are a natural resource specialist and a subject matter expert (SME) in historic architecture. The Mission Scoping Assessment (MSA) has been completed and a draft Recovery Support Strategy (RSS) issues matrix is being compiled to outline recovery strategies. A more formal, narrative RSS will follow this effort.

OEPC Field Coordinators deployed for the Hurricane Irma in Florida are working on the draft MSA. A revised draft MSA is expected to be provided for bureau and interagency review November 3.

Field Coordinators who will lead the Natural and Cultural Resources Recovery Support Function (NCR RSF) have been identified from NPS (U.S. Virgin Island) and USFWS (Puerto Rico). These personnel are engaged in preliminary planning for the NCR RSF, with an OEPC Field Coordinator bridging the gap between the response and recovery activities.

OEPC continues to convene NCR Response and Recovery meetings on the 2017 Hurricanes with the Field Teams deployed at the Joint Field Offices (JFOs) and working remotely, every two weeks.

### **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Twenty-seven employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers that are located in Puerto Rico, Texas, the U.S. Virgin Islands, Nevada, and Florida. FEMA reported on October 31 that they do not anticipate the need to deploy additional DOI personnel to support their Surge Capacity Force.

### **DOI Support to the Small Business Administration (SBA)**

- **OEM:** Twenty-four employees from DOI Bureaus and Offices are currently supporting, or are scheduled to provide support to, the SBA. The group is comprised of volunteers working in New York, Texas, California, Virginia, Florida, and Washington, D.C. OEM is working with the SBA to deploy an additional 60 DOI personnel.

### **DOI Bureau and Office Reporting**

#### **USFWS Update**

*Source: USFWS - November 2, 2017*

#### **Hurricane Irma**

Stations within Florida and South Carolina continue to mitigate post hurricane impacts. Efforts are placed on structural and roof damages requiring construction contracting which include government quarters and personal residence that also require repair. Vegetative debris handling and non-vegetative debris issues (e.g., white goods, watercraft/vessels, pollutants, etc.) still remain. Levee and water control structure stabilization include contract work for emergency repairs. USFWS is still acquiring replacement equipment and vehicles for damaged or destroyed units and efforts to repair and re-open all public use areas, including trails and other areas not addressed by deployed incident management team assets, are ongoing.

#### **Hurricane Maria (Caribbean)**

#### **General Situation**

Stations within Puerto Rico and the U.S. Virgin Islands continue to mitigate post hurricane impacts. All stations throughout the Caribbean are reporting adequate life sustaining commodities and services (water, food, healthcare, etc.). Fuel for equipment, generators, and vehicles are available at several locations, while other locations such as El Yunque Aviary are working through acquisition and portable storage issues with Vieques NWR to assess the need to rely upon a Defense Logistics Agency Interagency Agreement for fuel via FEMA to continue operations.



*Cabo Rojo NWR* - Claro WiFi modem has been received and awaits company technicians to set it up and complete installation, A Broadband Global Area Network (BGAN) unit is providing limited communications from tablets; however, personnel are unable to connect to USFWS notebook or desktop computer due to security restrictions. Cabo Rojo is currently running on generator power with the main unit having water pump issues and restricting the number of operational hours per day.

*El Yunque Aviary* - A VSAT (Very Small Aperture Terminal) satellite system has been remounted and the Verizon contractor has calculated and re-established connectivity; however, the system is not being operated due to a battery backup and generator supply inversion problem. The electrician and generator technicians have been scheduled. Satellite phone and cell phones are being utilized as the primary communication links. The El Yunque Aviary is running on generator power and portable generators are used due to the main generator having operating issues and malfunctioning.

*Rio Grande Field Office* - Cell phone coverage is available and being used. Currently, running on combined power from the grid and generator.

*Vieques NWR* - Satellite phone and BGAN are primary means of communication unless within town with limited cell phone coverage. Vieques is running on generator power with an operational issue.

*Culebra NWR* - Satellite phone and extremely limited cell phone coverage is available - VSAT reset is pending. Currently, running on generator power when fuel is available.

*Sandy Point NWR* (St. Croix) - Is operating primarily via cell phone. Sandy Point is running on a mix of power from the grid and the generator.

All service locations within San Juan proper are using cell phones (OLE Port, Science Applications, etc.) and are running on grid power.

The last two Fish and Wildlife Officers that were detailed to provide security at Vieques NWR began initial demobilization travel Thursday via ferry from Vieques NWR to Fajardo, Puerto Rico. Both law enforcement officers fly back to CONUS today. There are no additional resources ordered or detailed responders needed or requested at this time. Ten Garmin Explorer satellite communicators are pending set-up completion and delivery to the Caribbean. The target delivery date is next Monday. USFWS continues to work with equipment part vendors to acquire needed parts for generators and heavy and light duty equipment. Also, increased satellite phone plan minutes on several units to continue adequate communication.

USFWS plans to continue to operate under a continuity of operations common operational picture by completing work tasks as capacity matches requirements. USFWS continues debris clean-up, stabilizing or preparing damaged structures for demolition or replacement, and re-establishing a stable IT network with Internet. Puerto Rican Parrot breeding season starts in December so aggressive action with program and partners is needed to rebuild or procure new breeding cages.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - November 3, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of November 3 at 5:00 a.m. EDT:

- *Puerto Rico:* The Puerto Rico Electric Power Authority reports estimated customers receiving power is at 36.9-percent with 95-percent to be restored by December 15. Potable water has been restored to more than 82-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 91 of 115 drinking water filtration plants operational and 40 of the 51 PRASA wastewater treatment plants are operational. Boil Water advisories remain in effect territory wide. Telecommunication officials report 44.8-percent of cellular sites are operational and estimate 92-percent of the population lives in areas where wireless voice and text service has been restored. Water levels at the Guajataca Dam have dropped to 8.56 feet below the spillway with target elevation for interim repairs being 17 feet below the spillway. Efforts are on track to have the water level reduced from high to moderate risk status by November 9.
- *U.S. Virgin Islands:* The Virgin Islands Water and Power Authority estimates 90-percent power restoration by late December. Grid power serves 21.4-percent of the population for St. Thomas, 5.8-percent for St. Croix, and 4.3-percent for St. John. Telecommunication officials report 52.9-percent of cellular sites are operational and an estimated 88-percent of the population lives in areas where wireless voice and text service has been restored. Boil Water advisories remain in effect due to a drop in water pressure.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. No significant explosive activity was observed in cloudy satellite views or detected in seismic or infrasound data during this reporting period.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Significant National Weather**

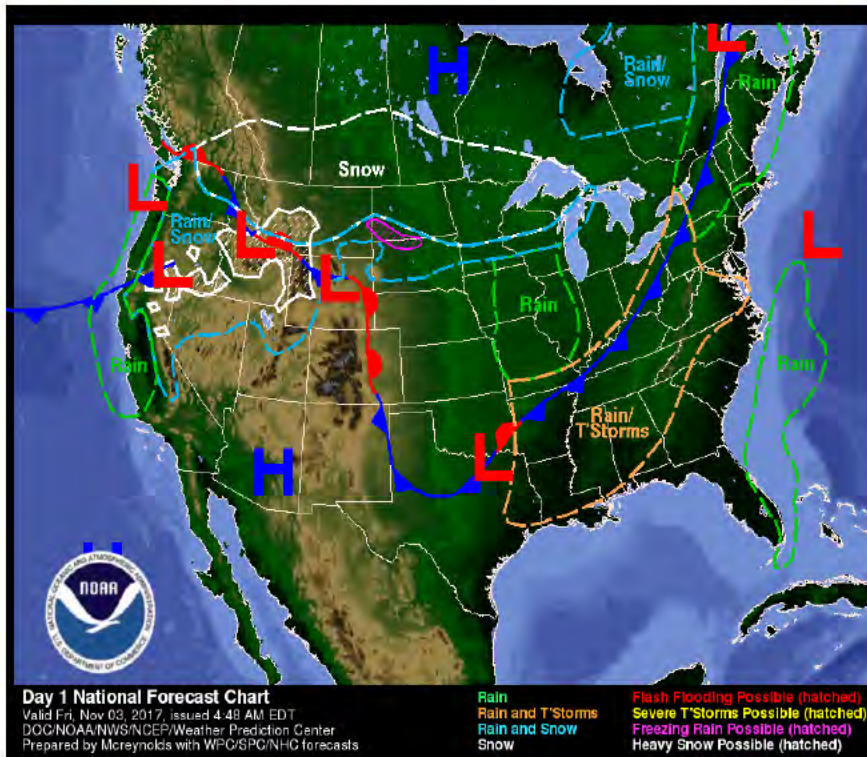
*Source: National Weather Service - November 3, 2017*

### **Today**

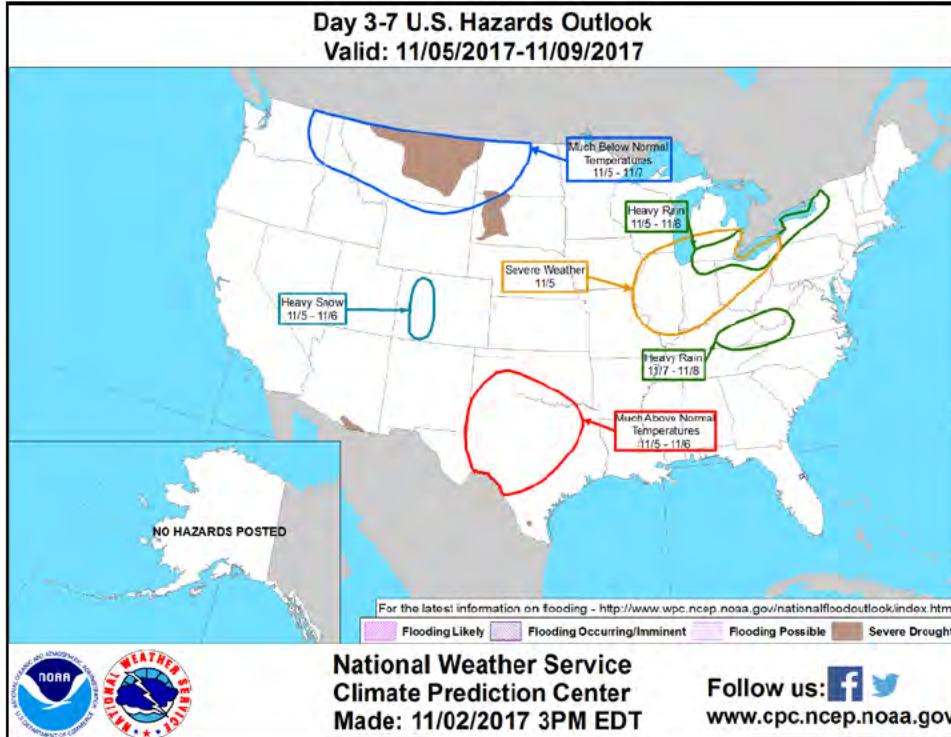
A cold front will stretch from northern New England south through the Ohio Valley to central Texas. Rain is expected across portions of the Northeast and New England. Rain and thunderstorms will extend from the upper Ohio Valley south to the lower Mississippi Valley. A few severe thunderstorms will be possible today across parts of the lower Mississippi Valley and vicinity. Rain is possible from the Outer Banks of North Carolina to Florida’s Atlantic coastal region. Additional rain will be found across the Midwest. A complex weather system across the northern Rockies and Northwest will produce unsettled weather for the region over the next several days. Rain will develop along the West Coast from Washington south to central California. Rain and snow is likely for the Sierras, northern Great Basin, the interior Northwest, and parts of the northern Rockies. Rain and snow will extend from the northern Rockies east to the western Great Lakes. Freezing rain is possible for portions of the Dakotas. Heavy snow is forecast for sections of the northern Rockies and the Sierras.

### **Tomorrow**

Rain and thunderstorms will develop from the southern Great Lakes south into the Deep South and lower Mississippi Valley. Patchy rain will be possible for the central Plains. Rain is expected for parts of the mid-Atlantic and the Northeast and once again from the Outer Banks of North Carolina to southern Florida. A weather system will move through the Rockies, the Great Basin, and California. A band of rain and snow will stretch from the west High Plains through the upper Midwest and northern Great Lakes to New England. More rain and snow is possible for the central Rockies, the Great Basin, the Cascades, and the Sierras. Heavy snow is forecast for the highest elevations for the Rockies, the Cascades, and the Sierras. Snow will be widespread from the interior Northwest across the northern High Plains. Rain will hug the West Coast from Washington to northwest California. More rain is on tap for portions of central California.



### Weather Hazard Assessment

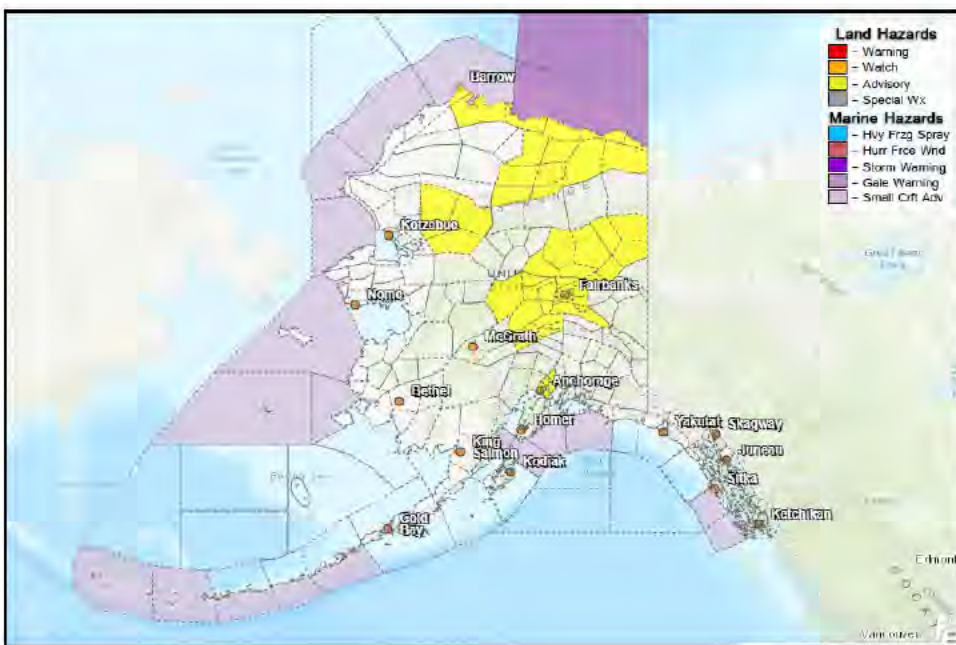


- November 5: Severe Weather from Illinois to the shores of Lake Erie.
- November 5-6: Heavy rain for portions of the southern Great Lakes region.

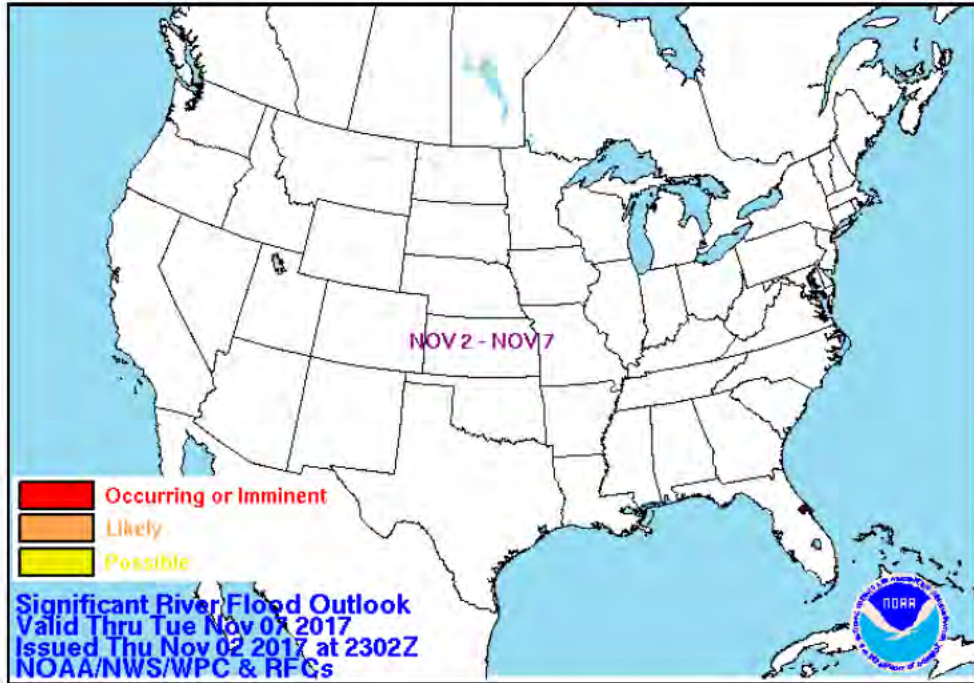
- November 7-8: Heavy rain near the confluence area of Kentucky, Virginia, and West Virginia.
- November 5-6: Heavy snow in western Colorado.
- November 5-7: Much below-normal temperatures from eastern Washington state to North Dakota.
- November 5-6: Much above-normal temperatures for the southern Plains.

## Alaska Weather

Gale Warnings are in effect in from Eastern US Arctic Offshore, Cape Halkett to Demarcation Point. There are Small Craft Advisories for North and West Of Nunivak Island to Dall Point to Wales, Wales to Cape Halkett, St. Matthew Island Waters, Pribilof Islands, Barren Islands East and West, Kiska to Nikolski, Barren Islands West to Cape Cleare and Cape Decision to Dixon Entrance. There is a Winter Weather Advisory for upper Noatak, Walker Lake, Shugnak, Barrow to Demarcation Bay, Middle Kupanuk River to Anaktuvuk Pass, Sagwon to Atigun Pass, Canning River to Kongakut River, Tanana to upper Porcupine River, Lake Minchumina to Black River, Denali to Tanana Flats south, and Chugach State Park to Sutton.



## Significant River Flooding



Significant river flooding is occurring or imminent across portions of eastern Florida.

## Severe Weather

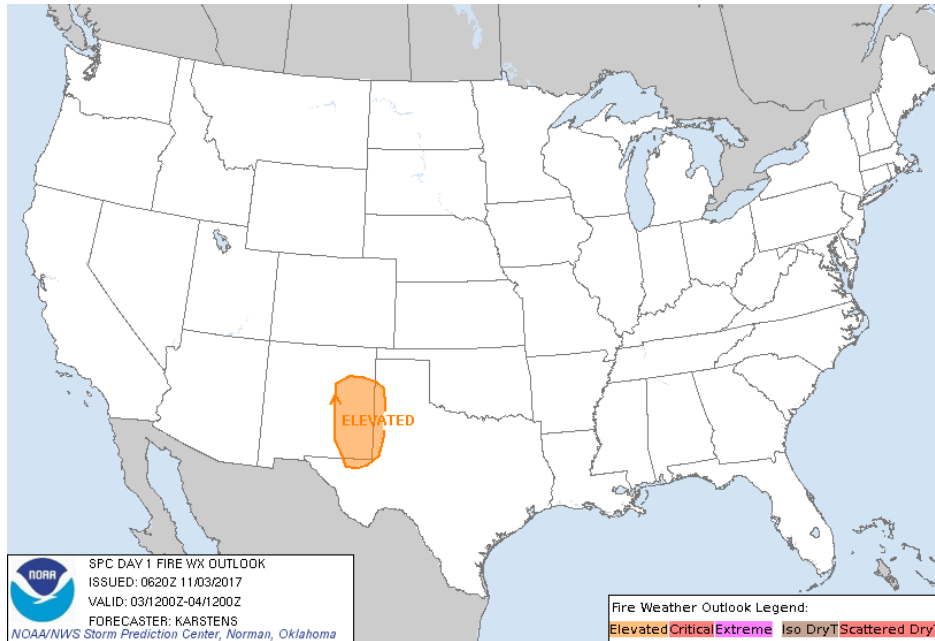


There is a marginal risk of severe thunderstorms across parts of the lower Mississippi Valley and vicinity.

## Tornado Weather

There is less than a two-percent chance of tornado activity in the U.S. today.

## Fire Weather



There is no Critical Fire Weather forecast for the U.S. today; however, there is Elevated Fire Weather forecast for eastern New Mexico and western Texas.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – November 3, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico

Tropical cyclone formation is not expected during the next 48 hours.

### Eastern Pacific Ocean

Tropical cyclone formation is not expected during the next 48 hours.

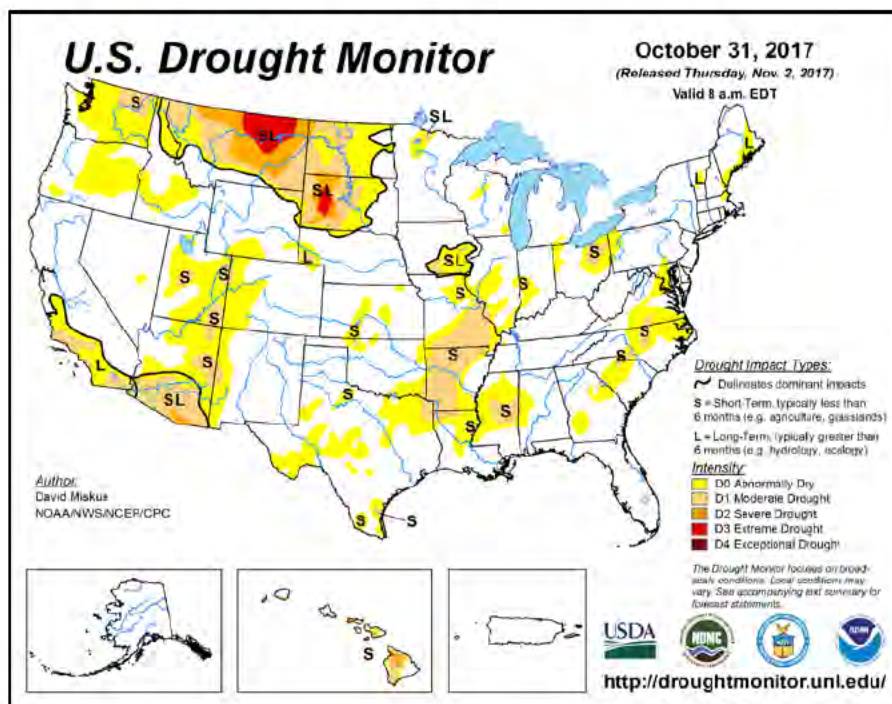
## Other News and Notes

### U.S. Drought Monitor

Source: National Drought Mitigation Center – November 2, 2017

A series of storm systems traversed from the Canadian Prairies southeastward across the eastern half of the Nation during the week, with a strong weekend storm tapping ample tropical moisture from the Gulf of Mexico, the Caribbean Sea, and disorganized Tropical Storm Philippe that was

eventually absorbed into the system. With plentiful moisture available to the weekend storm system, widespread, copious rains (2-6 inches, locally to 12 inches) inundated most of the Northeast, especially New England, abruptly ameliorating short-term deficits accumulated during the late summer and fall months. Heavy rains also fell on southern Florida (from Philippe), while light to moderate precipitation occurred in the Great Lakes region, Ohio and Tennessee Valleys, and the Appalachians. With high pressure entrenched over the West, little or no precipitation was reported west of the Mississippi River. Temperatures averaged well below normal east of the Rockies and to the Appalachians, especially in the South and Midwest that had weekly departures of -6 to -12 degrees Fahrenheit. Sub-freezing readings were common across the northern and central Plains and Midwest, along with decent snows in the upper Midwest. In contrast, above-normal temperatures prevailed across the West and New England. Showers frequented the Hawaiian Islands during the week, maintaining a recent wet pattern that allowed for additional improvements to some windward locations.



***\*End of Report\****

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials\*
- Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, November 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **DOI Emergency Management Daily Feedback Request**

*Source: Office of Emergency Management (OEM) – November 6, 2017*

In order to realign the Emergency Management Daily Situation Report with our customer's needs, OEM requests your participation in a short survey. Our goal is to facilitate information sharing and collaboration throughout the Department, as well as with our federal partners. We want to create a daily document that you will find relevant, streamlined, and effective. We need your feedback in order to accomplish this. Please take a few minutes to complete the survey [CLICK HERE](#). We appreciate your efforts to assist us in meeting your needs. The survey will be open from November 6 to 17.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Port Aransas Barge Oil Spill (Final)**

*Source: U.S. Coast Guard (USCG) - November 3, 2017*

The USCG, the Texas General Land Office, and Bouchard Transportation representatives have completed the response to the oil discharged from a barge three miles off the jetties of Port Aransas, Texas. Beach assessment and cleanup teams have finished removing the oil that impacted the shorelines of Mustang Island, North Padre Island, and Corpus Christ Bay Islands. The Natural Resource Trustees and other stakeholders have certified that the shoreline is back to pre-event conditions; however, all will continue to regularly monitor the area now that the agencies are returning to normal operations.

## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. A weak thermal anomaly was visible at the volcano's summit in satellite data, but no significant eruptive activity was detected by seismic or infrasound sensors over the past 24 hours.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) - November 5, 2017*

The USGS reported that a magnitude 5.1 earthquake occurred on November 5, approximately 16.7 miles to the southwest of Redoubt Volcano, Alaska at a depth of 85 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries.

On November 4, the USGS reported that a magnitude 6.8 earthquake occurred in the Samoa region, 56 miles northeast of Hihifo, Tonga at a depth of 6 miles. No tsunami was generated from the event.

## **Significant National Weather**

*Source: National Weather Service - November 6, 2017*

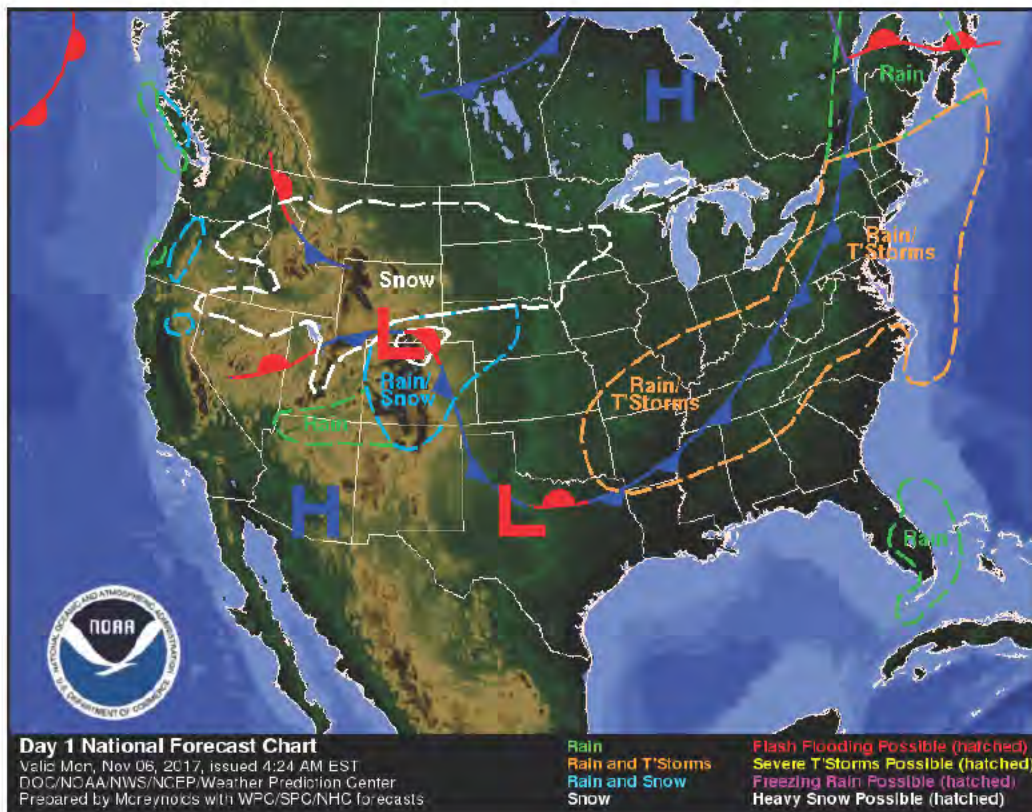
### **Today**

A cold front will extend from northern New England south through the Appalachians into northern Texas then continuing west through the Rockies. Rain will be possible across northern New England. Rain and thunderstorms will develop from southern New England across the Northeast and mid-Atlantic back to the mid-Mississippi Valley. Scattered rain is likely for southern Florida. Out West, rain and snow will develop over the central Rockies extending east into the central Plains. Heavy snow possible for portions of the central Rockies. Scattered snow

will extend from the Inter-mountain Northwest eastward to the upper Midwest. Rain is likely for parts of the central Four Corners area. Scattered rain and snow possible for portions of the Cascades. Rain showers likely for the central Oregon coast and far northwestern Washington.

### Tomorrow

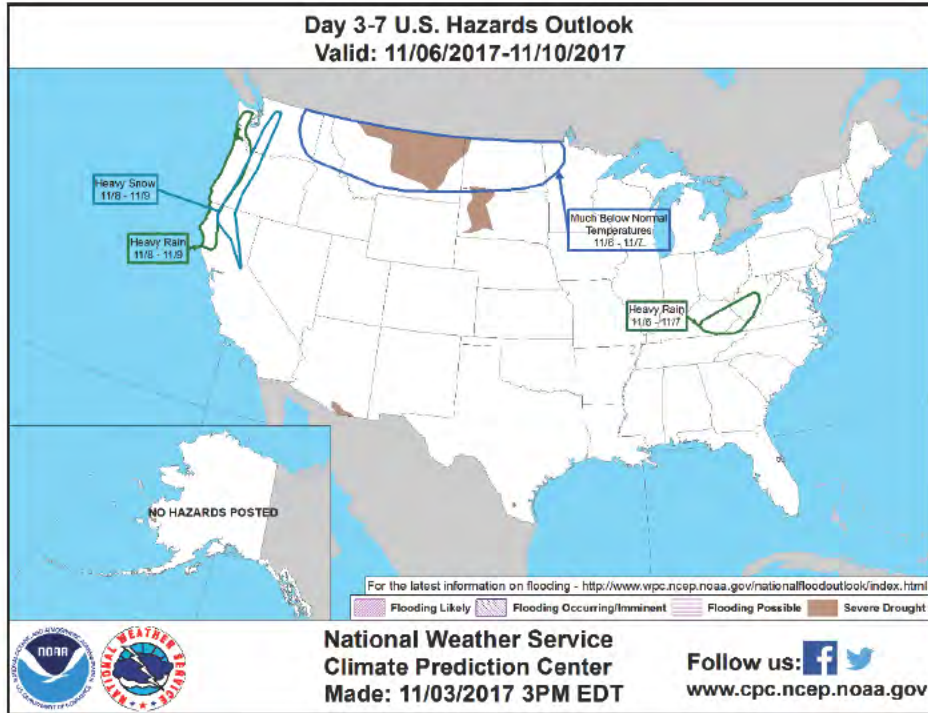
A frontal boundary will stretch across the Southeast from the Tennessee Valley to northern Texas then the central Rockies and Four Corners. Rain will develop across the mid-Atlantic, central Appalachians, and Tennessee Valley. Rain and thunderstorms will be possible from central Texas across to South Carolina. Rain will continue over southern Florida. More rain will be possible for portions of Oklahoma, western Texas, New Mexico, and the central Four Corners. Rain and snow is expected from the central Rockies east into the southern Plains. Snow is forecast for the northern portions of the central Rockies. Elsewhere, rain will hug the West Coast from Vancouver Island south to northwestern California.



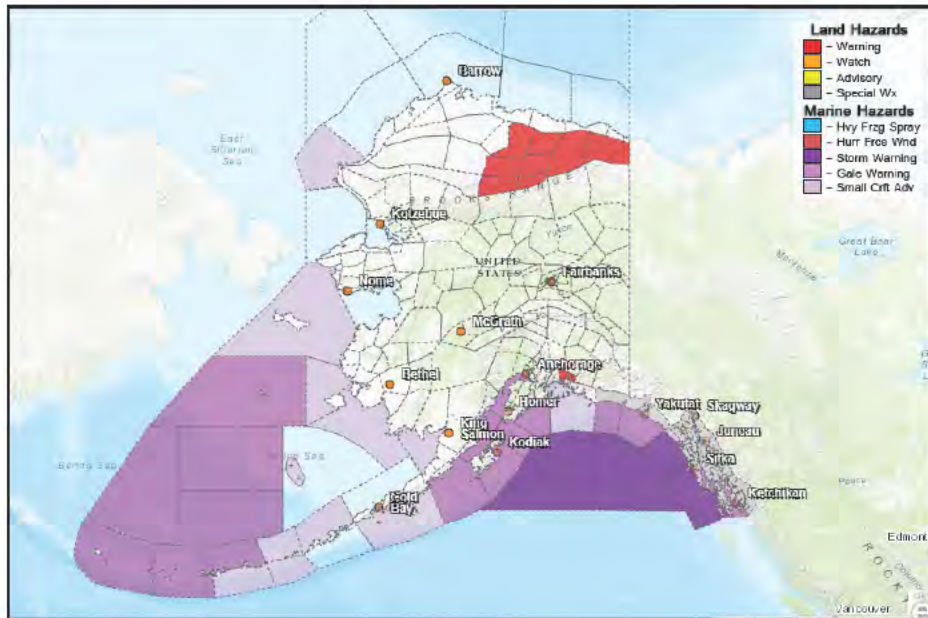
### Weather Hazard Assessment

- November 6: Severe drought across portions of the northern Plains, the northern Rockies, Arizona, Texas, and Hawaii.
- November 6: Flooding is occurring or imminent across portions of central Florida.
- November 6-7: Heavy rain near the confluence area of Kentucky, Virginia, and West Virginia.
- November 6-7: Much below-normal temperatures from Washington to Minnesota.
- November 8-9: Heavy rain near and along the northern half of the Pacific Coast.

- November 8-9: Heavy snow over the Cascades and the Sierras.
- November 11: Slight risk of much below-normal temperatures across New England.
- November 11-15: Slight risk of much below-normal temperatures near the Canadian border from Washington to Minnesota.



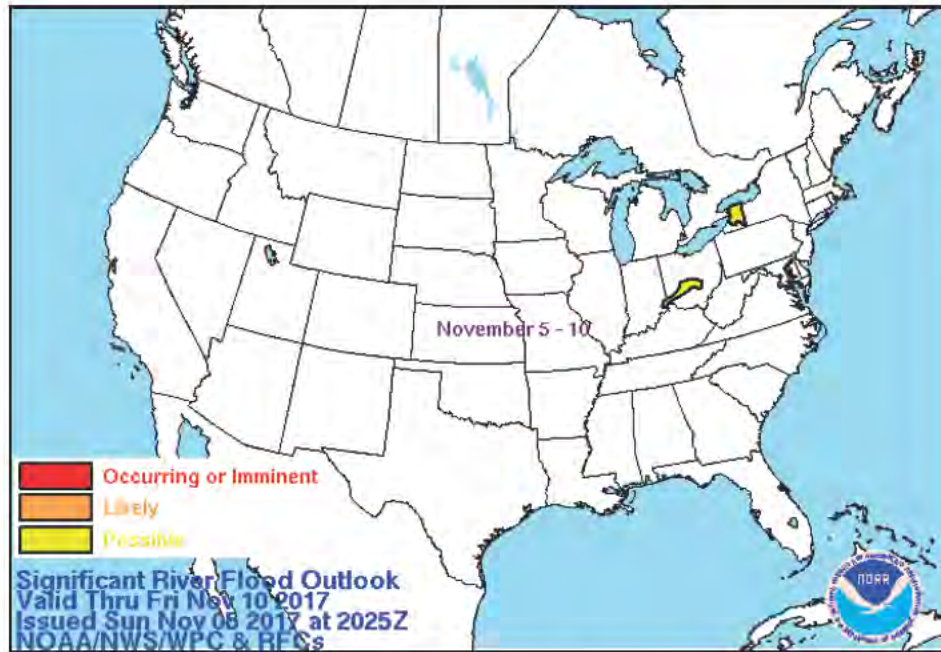
## Alaska Weather



There are Storm Warnings for the Gulf of Alaska and Gale Warnings are in effect for waters from Yakutat to Kodiak, the western Aleutians, and the open Bering Sea waters. Small Craft

Advisories are in effect for portions of the Aleutians, portions of the western shore from King Salmon to Nome, and Cape Thompson. There is a Winter Storm Warning for areas north of the Books Range. There is a High Wind Warning in effect north of Valdez.

### Significant River Flooding



Significant river flooding is occurring or imminent across portions of east-central Florida. Significant river flooding is possible in parts of Ohio, southeastern Indiana, and western New York.

### Severe Weather

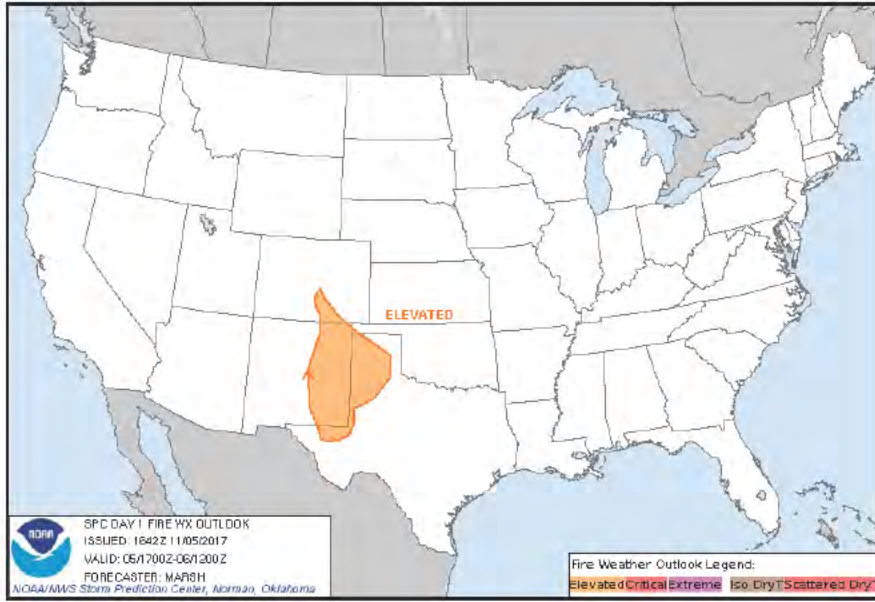
There is no forecast for severe thunderstorm activity today.

### Tornado Weather

There is less than a two-percent chance of tornado activity in the U.S. today.

### Fire Weather

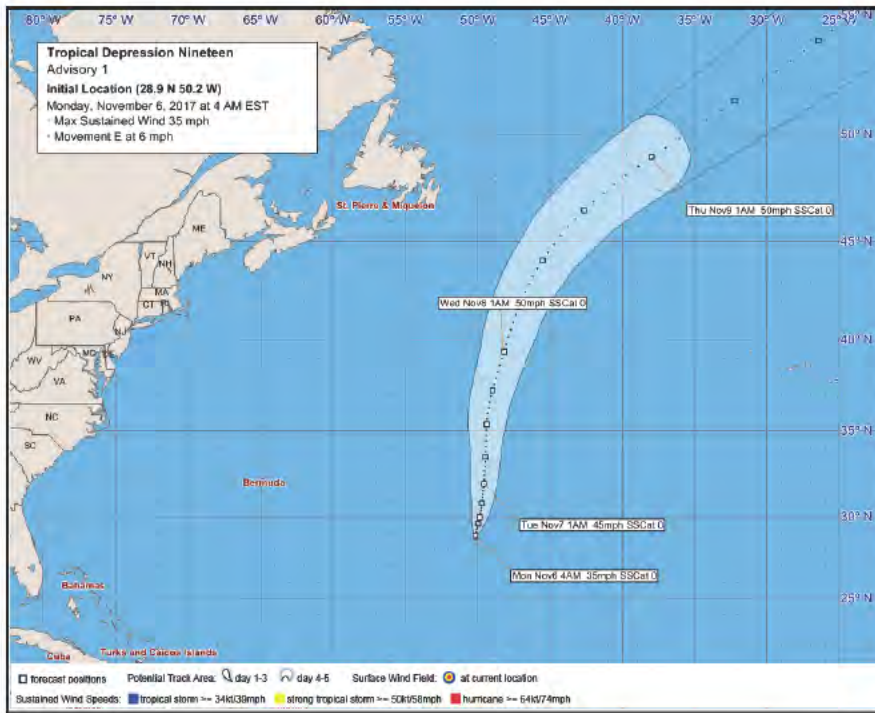
No Critical Fire Weather is forecast for the U.S. today; however, there is Elevated Fire Weather forecast across western Texas, eastern New Mexico, and southeastern Colorado.



**Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – November 6, 2017*

**Atlantic Ocean/Caribbean Sea/Gulf of Mexico**



*Hurrevac Image*

At 5:00 a.m. EST, the center of Tropical Depression Nineteen was located about 900 miles east of Bermuda. The depression is moving toward the east near 6 miles per hour (mph). A turn toward the north-northeast or north is expected later today, and this general motion is forecast to continue through Tuesday. Maximum sustained winds are near 35 mph, with higher gusts.

Some strengthening is forecast during the next 48 hours, and the depression is expected to become a tropical storm later today. There are no warnings or hazards affecting land associated with this system.

### **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

***\*End of Report\****

### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, November 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **DOI Emergency Management Daily Feedback Request**

*Source: Office of Emergency Management (OEM) – November 7, 2017*

In order to realign the Emergency Management Daily Situation Report with our customer's needs, OEM requests your participation in a short survey. Our goal is to facilitate information sharing and collaboration throughout the Department, as well as with our federal partners. We want to create a daily document that you will find relevant, streamlined, and effective. We need your feedback in order to accomplish this. Please take a few minutes to complete the survey [CLICK HERE](#). We appreciate your efforts to assist us in meeting your needs. The survey will be open from November 6 to 17.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Ohio Flooding**

*Source: U.S. Geological Survey (USGS) - November 6, 2017*

The U.S. Geological Survey (USGS) is reporting that minor flooding is occurring in central and eastern Ohio resulting from a storm system producing two to four inches of rain and an Enhanced Fujita (EF)-1 tornado near Celina, Ohio. The USGS has three crews measuring high flows in the Wheeling and Little Muskingum River Basins and an additional two crews measuring high flows in the Licking River Basin in Newark, Ohio. The USGS has coordinated their actions with the Licking County Emergency Manager and the Pittsburgh Corps of Engineers.



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. Elevated surface temperatures were visible at the volcano's summit in satellite data, but no significant eruptive activity was detected by seismic or infrasound sensors over the past 24 hours.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Significant National Weather**

*Source: National Weather Service - November 7, 2017*

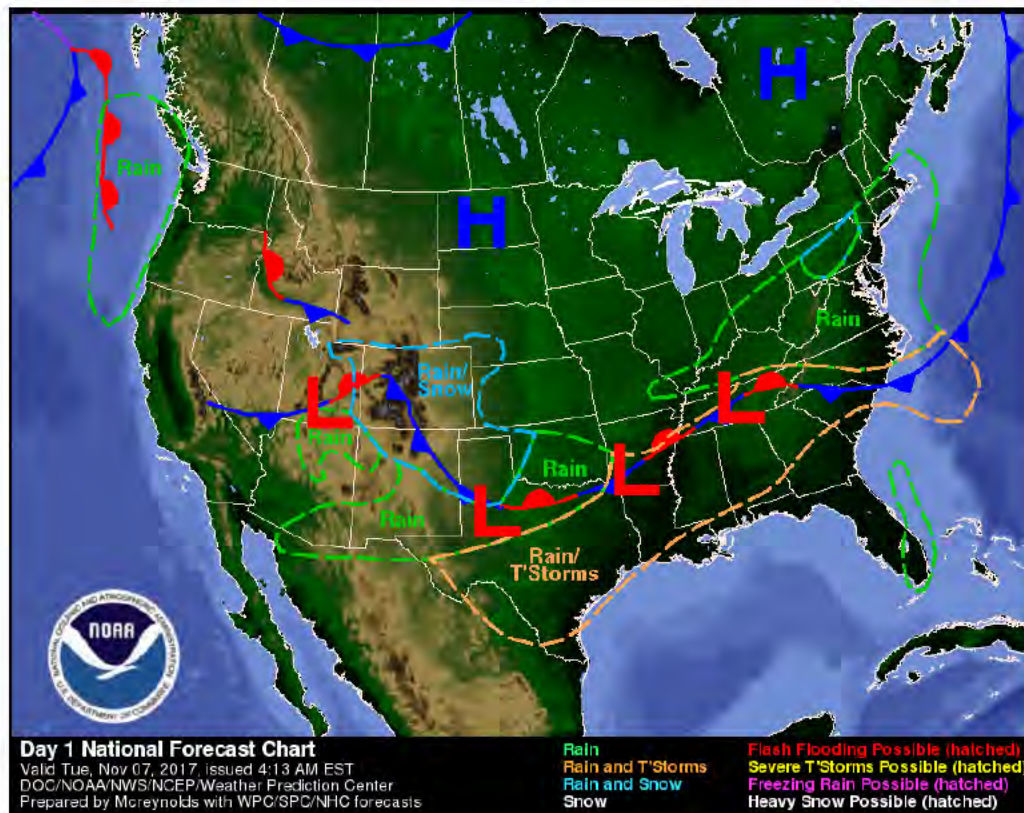
### **Today**

A frontal boundary will snake from the Carolinas west across the south to northern Texas then into the central Rockies and the Southwest. North of the front, rain will develop from the lower Ohio Valley to the mid-Atlantic, portions of the Northeast, and the southern New England states. There is a chance of some rain and snow across central Pennsylvania. South of the front, rain and thunderstorms are expected from the Carolinas west across the deep South to the southern half of Texas. Further west, rain is possible for most of Oklahoma, northern Texas, and portions of New Mexico and Arizona. Rain and snow are likely for Colorado, northeastern New Mexico, and the panhandles of Texas and Oklahoma. Rain is also possible along the coastal regions of the West Coast from northwestern California to Vancouver Island.

### **Tomorrow**

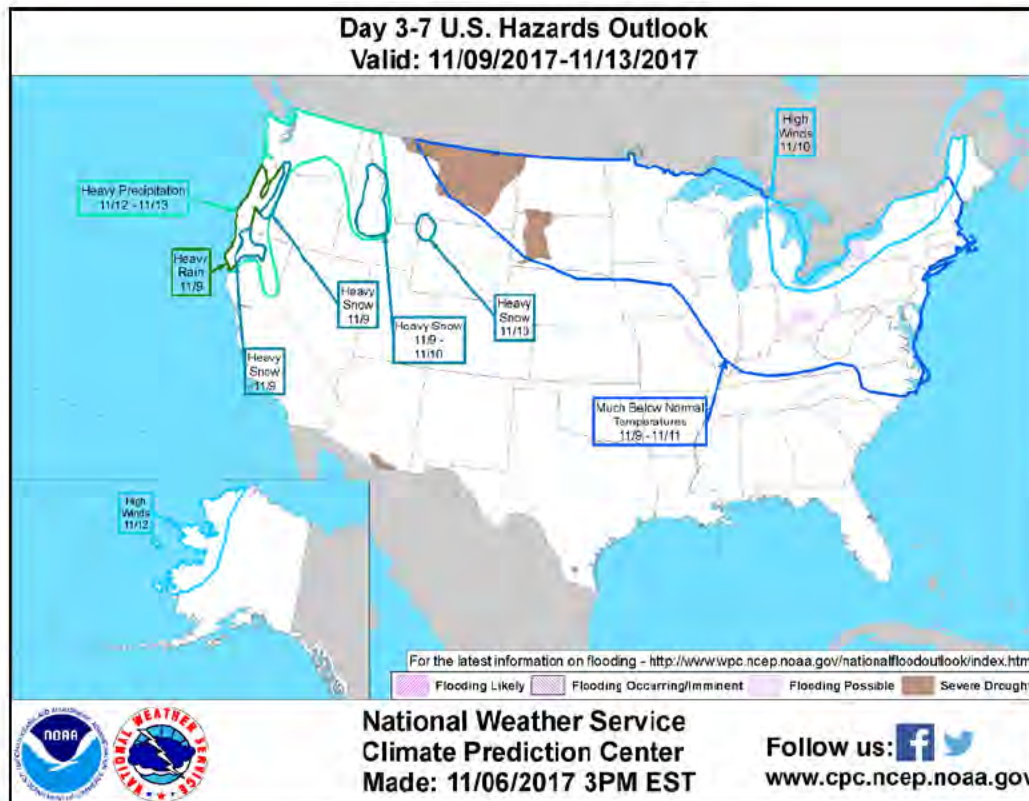
The aforementioned frontal system will extend from southern Georgia and the Florida Panhandle to southern Texas, then into the lower Four Corners area. Rain is possible across most of northern Carolina, southern Virginia, and eastern Tennessee. Additional rain is likely from the Texas Panhandle across Oklahoma to central Arkansas. Showers and thunderstorms will extend

from the Southeast to Texas. Another frontal boundary will drop into the upper Midwest and the northern High Plains. Scattered snow will develop from Montana to the Great Lakes. The Pacific storm system approaching the West Coast continues to move closer. Rain will continue along the coast from Washington to central California, expanding in coverage across central California. Rain and snow is possible for the intermountain Northwest and the Sierras. Freezing rain is forecast for some of the interior valleys of Washington and Oregon.



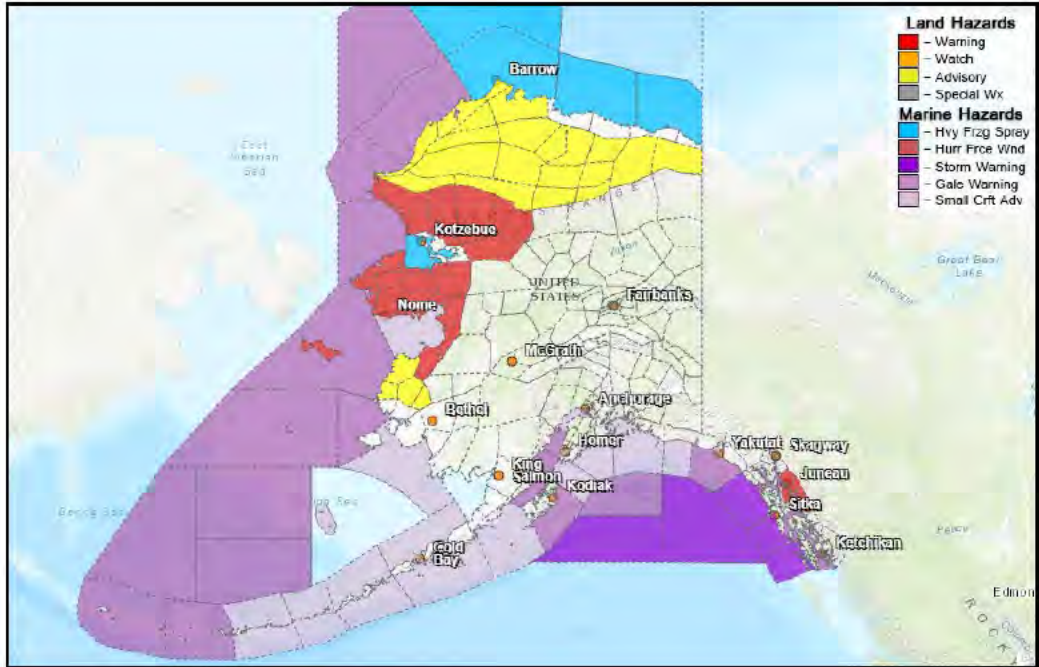
### Weather Hazard Assessment

- November 9: Heavy rain and higher elevation snow across portions of California and the Pacific Northwest.
- November 9-10: Heavy snow across portions of the northern Rockies.
- November 9-11: Much below normal temperatures from the northern Rockies to the Great Lakes, the Northeast, and the mid-Atlantic.
- November 10: Heavy snow across portions of Wyoming and southwestern Montana.
- November 10: High winds across portions of the Northeast and the Great Lakes.
- November 12: High winds across portions of mainland Alaska.
- November 12-13: Heavy precipitation across portions of California, the Pacific Northwest, the northern Rockies, and the northern Great Basin.

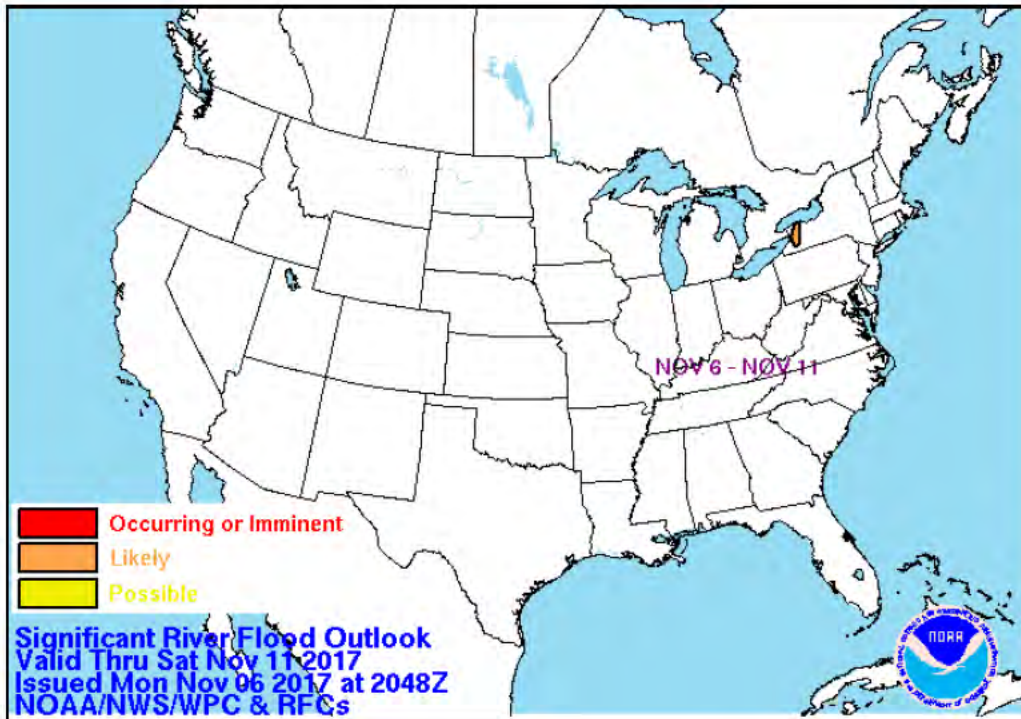


## Alaska Weather

There are Storm Warnings in effect for portions of the Gulf of Alaska. Gale Warnings are in effect for waters from Kiska to Seguam, Pribilof Islands, the Shelikof Strait, Shuyak Island to Sitkinak, Cape Fairweather to Icy Cape, Western U.S. Arctic to Wales, and the Bering Sea East and West. Small Craft Advisories are in effect for portions of the Aleutian Islands into the the western Gulf of Alaska, the Barren Islands East to Cape Suckling, Prince William Sound, Kuskokwim Delta and Etolin Strait, Pribilof Island, and Norton Sound. There is a Heavy Freezing Spray Warning for Central U.S. Arctic to Demarcation Point and Kotzebue Sound. There is a Winter Storm Warning in effect for the upper and lower Kobuk and Noatak valleys, the northern and interior Seward Peninsula, and the eastern Norton Sound and Nulato Hills. There is a Winter Weather Advisory in effect for northeastern and northwestern Brooks Range. A Coastal Flood Advisory is in effect for the southern Seward Peninsula coast, eastern Norton Sound and Nulato Hills, St. Lawrence Island and the Bering Strait Coast, and the Yukon Delta.



**Significant River Flooding**



Significant river flooding is occurring or imminent across portions of east-central Florida. Significant river flooding is likely in western New York.

## Severe Weather

There is no forecast for severe thunderstorm activity today.

## Tornado Weather

There is less than a two-percent chance of tornado activity in the U.S. today.

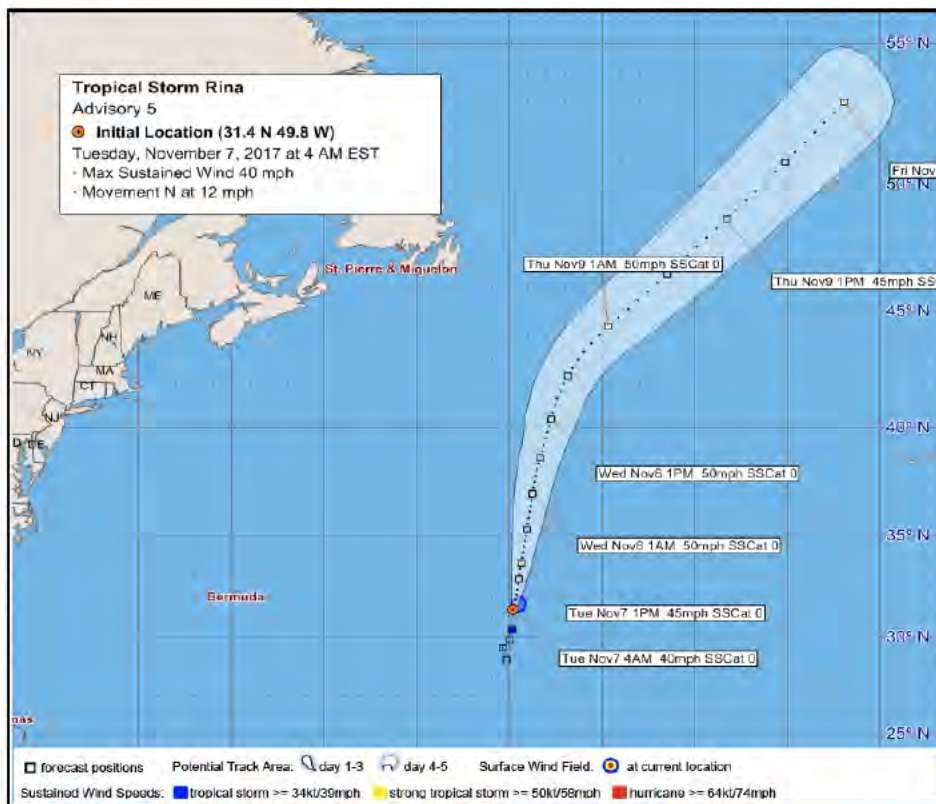
## Fire Weather

There is no Critical Fire Weather forecast for the U.S. today.

## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – November 7, 2017*

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



*Hurrevac Image*

At 5:00 a.m. EST, the center of Tropical Storm Rina was located about 880 miles east of Bermuda. Rina is moving toward the north near 12 miles per hour (mph). A general northward motion with an increase in forward speed is expected to continue today, followed by a north-northeastward motion tomorrow night. Maximum sustained winds are near 40 mph, with higher gusts. Some strengthening is forecast during the next 48 hours. There are no warnings or hazards affecting land associated with this system.

## **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

***\*End of Report\****

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**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EST, Wednesday, November 8, 2017

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**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

**Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 7, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. Elevated surface temperatures were visible at the volcano's summit in satellite data, but no significant eruptive activity was detected by seismic or infrasound sensors over the past 24 hours.

## **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 7, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

Source: U.S. Geological Survey (USGS) – November 7, 2017

The United States Geological Survey (USGS) reported a magnitude 6.5 earthquake occurred on November 7 at 4:26 p.m. EST, at depth of 66 miles, approximately 41 miles west-southwest of Anoram, Papua New Guinea. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was no tsunami generated from this event.

## **Significant National Weather**

Source: National Weather Service - November 8, 2017

### **Today**

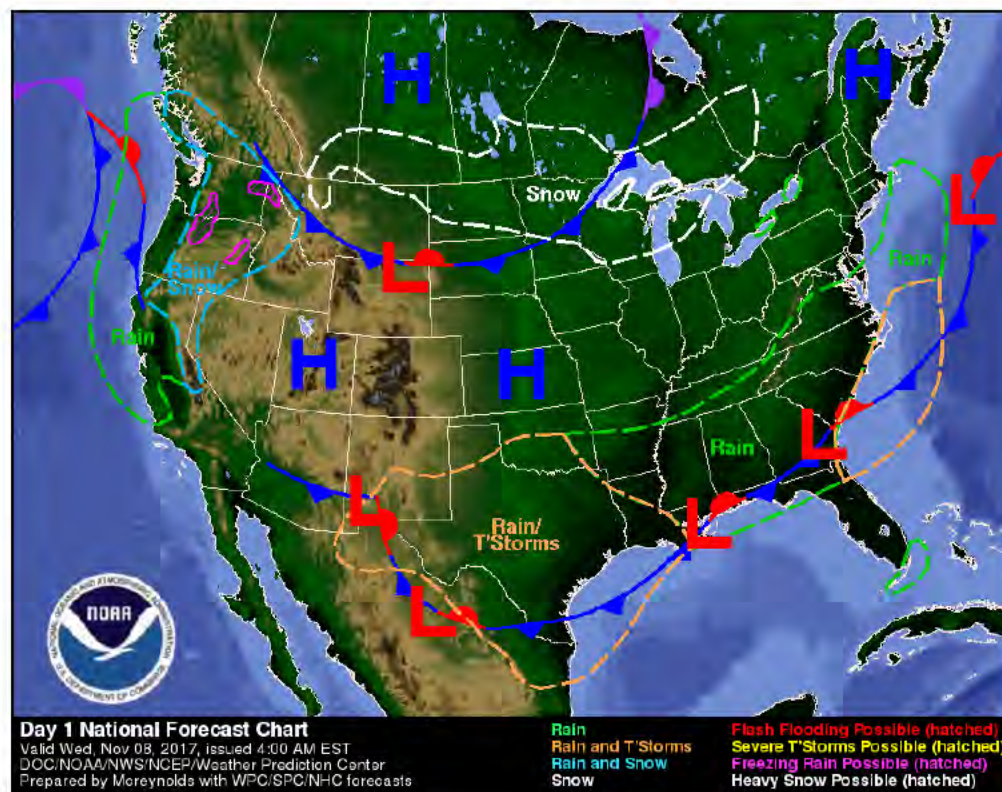
A frontal system dropping into the northern tier of states will produce snow from northern Montana east to the Great Lakes. Another frontal boundary to the south stretched across the Gulf Coast will produce rain from the Southeast to the lower Mississippi Valley. Rain and thunderstorms are possible across much of Texas, portions of Oklahoma, and New Mexico. A strong storm system is poised to push into the Northwest and northern California. Rain, possibly heavy in spots, will be found along the West Coast from Washington to central California. Rain and snow is likely inland from the Sierras into the interior Northwest. Freezing rain will also be an issue for some of the interior valleys of the Northwest. Strong winds are also forecast for portions of northern California. Wind gusts of 50 to 65 miles per hour (mph) can be expected over the ridges with gusts to 40 mph possible for the coastal highlands.

### **Tomorrow**

Rain showers will be possible from the New England coastal regions down to the Southeast, northern Florida, and the central Gulf Coast. More rain showers are likely for the far southern tip of Texas and parts of the lower Rio Grande Valley. Rain and thunderstorms are expected for the Florida Keys, the Straits of Florida, and portions of Cuba. Another cold front will extend across the Great Lakes into the central Plains continuing back into the Rockies. Snow, possibly heavy in spots, is possible for the western Great Lakes. Rain and snow will stretch from the remainder of the Lakes into New England. The Pacific storm system will push into the West

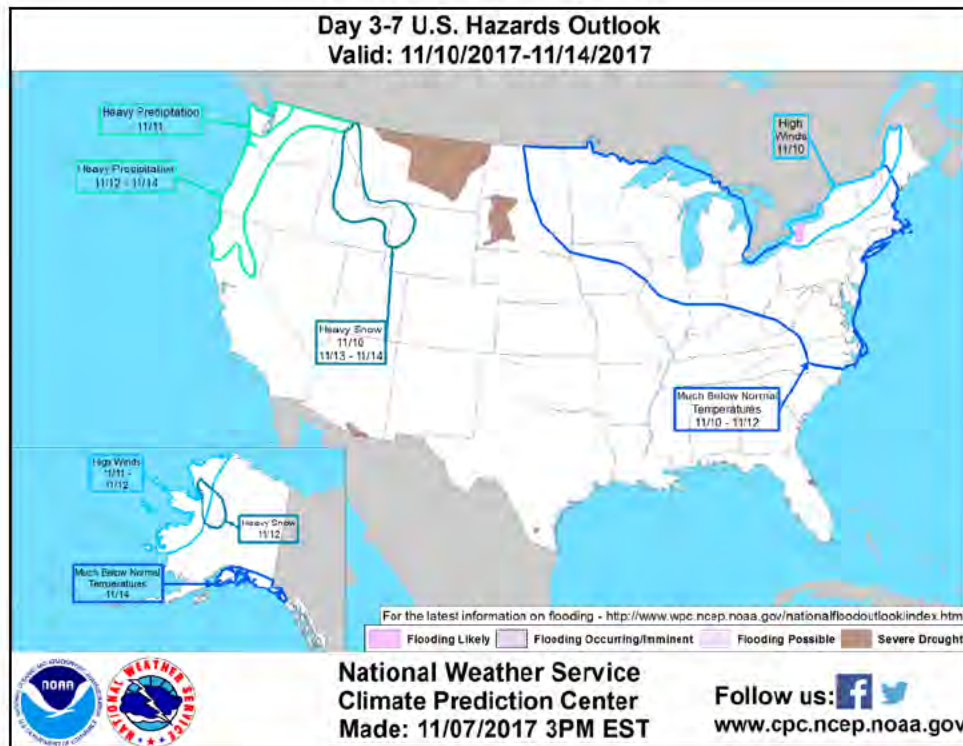


Coast. Rain and thunderstorms are expected for the western sections of Washington and Oregon. Rain is likely from southwestern Oregon south into northern and central California. Rain and snow will continue for the Sierras, the intermountain Northwest, and the northern Rockies. Once again, freezing rain will be a concern for portions of Oregon, Washington, northern Idaho, and far northwestern Montana.



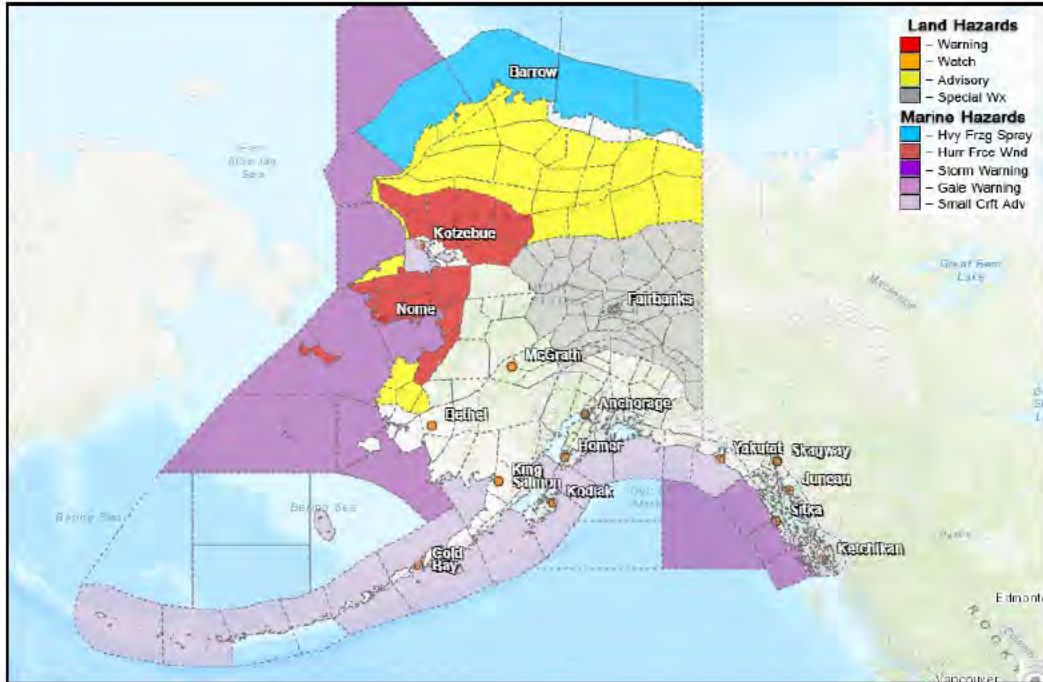
## Weather Hazard Assessment

- November 10: High winds across portions of the Northeast and the Great Lakes.
- November 10-12: Much below normal temperatures across portions of the Northeast, the central Appalachians, the northern Plains, the middle Mississippi Valley, the mid-Atlantic, the southern Appalachians, the upper Mississippi Valley, the Great Lakes, and the Ohio Valley.
- November 10, 13-14: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- November 11: Heavy precipitation across portions of the Pacific Northwest.
- November 11-12: High winds across portions of mainland Alaska.
- November 12: Heavy snow across portions of mainland Alaska.
- November 12-14: Heavy precipitation across portions of California, the Pacific Northwest, and the northern Rockies.
- November 14: Much below normal temperatures across portions of the Alaska Panhandle and mainland Alaska.
- Severe Drought across Hawaii, the southern Plains, the northern Plains, the northern Rockies, and the Southwest.

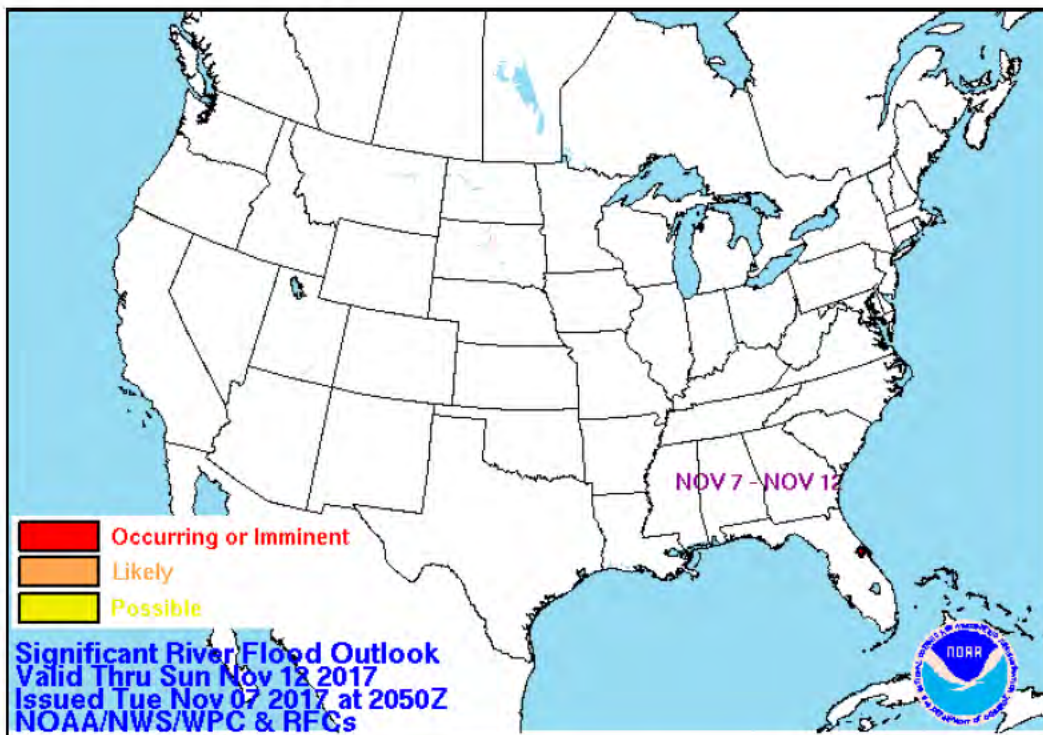


## Alaska Weather

Gale Warnings are in effect for waters from the Western U.S. Arctic to St. Matthew Island, Nunivak Island, the Kuskokwim Delta and Etolin Strait, and the Gulf of Alaska from Cape Fairweather to Dixon Entrance. Small Craft Advisories are in effect for the Aleutian Islands into the the eastern Gulf of Alaska, the Barren Islands East, Kotzebue Sound, and Bristol Bay. There is a Heavy Freezing Spray Warning for Cape Beaufort to Demarcation Point. There is a Winter Storm Warning in effect for the upper and lower Kobuk and Noatak valleys, the northern and interior Seward Peninsula, and the eastern Norton Sound and Nulato Hills. There is a Winter Weather Advisory in effect for northeastern, northwestern, and southeastern Brooks Range. A Coastal Flood Advisory is in effect for the southern Seward Peninsula coast, eastern Norton Sound and Nulato Hills, St. Lawrence Island and the Bering Strait Coast, and the Yukon Delta. A High Surf Advisory is in effect for the northern and western Arctic Coast.



**Significant River Flooding**



Significant river flooding is occurring or imminent across portions of east-central Florida.

## Severe Weather

There is no forecast for severe thunderstorm activity today.

## Tornado Weather

There is less than a two-percent chance of tornado activity in the U.S. today.

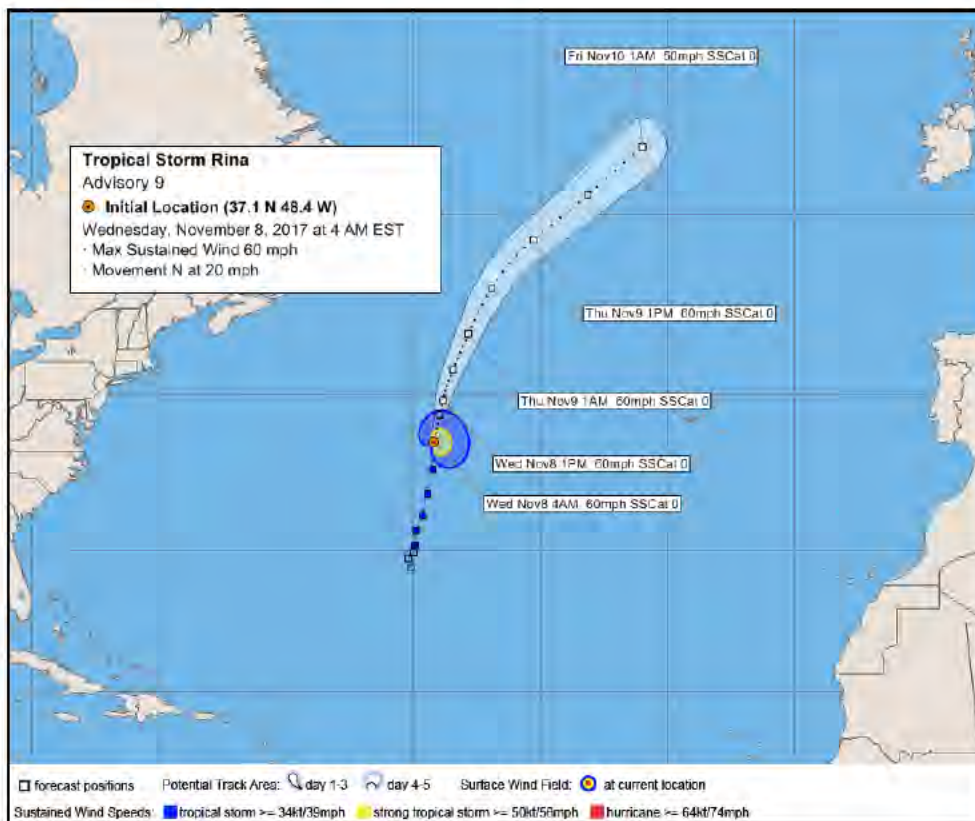
## Fire Weather

There is no Critical Fire Weather forecast for the U.S. today.

## Tropical Weather Activity

Source: *National Weather Service/National Hurricane Center – November 8, 2017*

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



*Hurrevac Image*

At 5:00 a.m. EST, the center of Tropical Storm Rina was located about 705 miles south-southeast of Cape Race, Newfoundland. Rina is moving toward the north near 20 mph. A turn toward the north-northeast is expected by this afternoon, followed by a rapid northeasterly motion tomorrow. Maximum sustained winds are near 60 mph, with higher gusts. Little change in strength is forecast before weakening occurs tomorrow. Rina is expected to become a post-

tropical cyclone tonight or tomorrow morning. There are no warnings or hazards affecting land associated with this system.

### **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Thursday, November 9, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **DOI Emergency Management Daily Feedback Request**

*Source: Office of Emergency Management (OEM) – November 8, 2017*

In order to realign the Emergency Management Daily Situation Report with our customer's needs, OEM requests your participation in a short survey. Our goal is to facilitate information sharing and collaboration throughout the Department, as well as with our federal partners. We want to create a daily document that you will find relevant, streamlined, and effective. We need your feedback in order to accomplish this. Please take a few minutes to complete the survey [CLICK HERE](#). We appreciate your efforts to assist us in meeting your needs. The survey will be open from November 6 to 17.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 8, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, and a weak thermal signal was observed in multiple satellite images during this reporting period. Nothing significant was detected in seismic or infrasound data from sensors located on neighboring islands.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 8, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) - November 9, 2017*

The USGS reported that a magnitude 6.0 earthquake occurred on November 9, at 2:42 a.m. EST, approximately 190 miles southeast of Katsuura, Japan at a depth of 12 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for damages and injuries. No tsunami watch or warning was issued.

## **Significant National Weather**

*Source: National Weather Service - November 9, 2017*

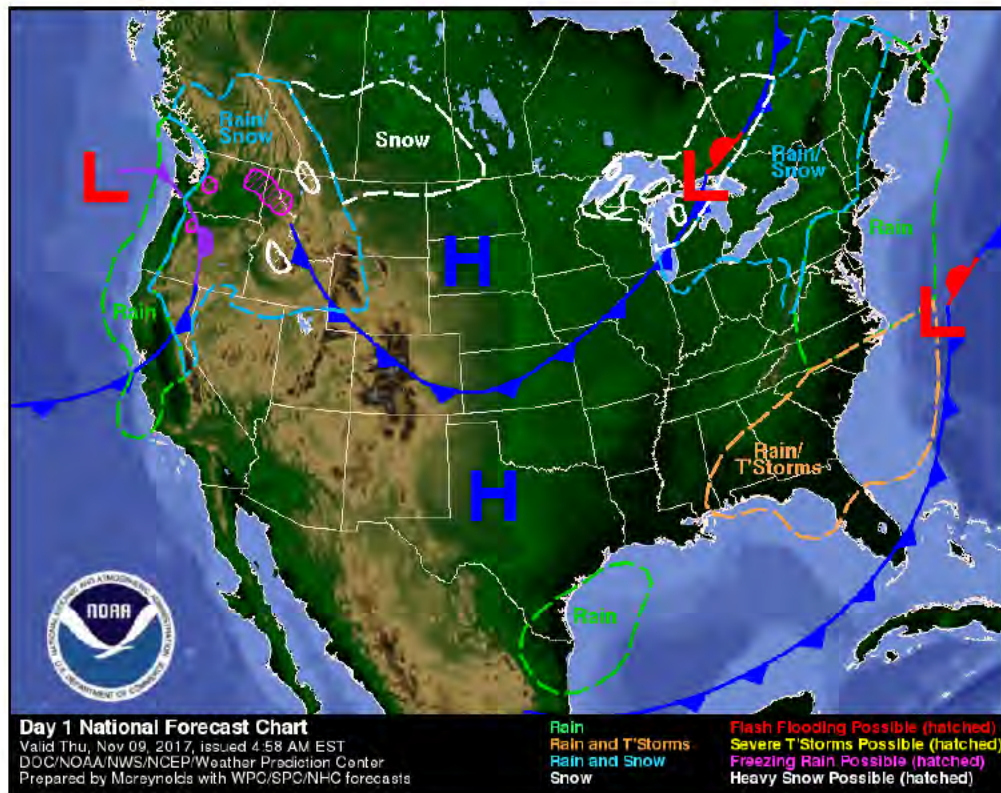
### **Today**

A frontal system will stretch from the western Atlantic across the southern tip of Florida to central Mexico. Rain and thunderstorms will be possible across the Southeast and northern Florida. Rain is likely for the southern portions of Texas. More rain showers are expected from the New England coastal regions south into parts of the mid-Atlantic and northern Carolinas. Another cold front will extend from the Great Lakes to the central Plains then back into the Rockies. Snow, possibly heavy, is expected for the western Great Lakes. Rain and snow will develop across the eastern Great Lakes, central Appalachians, and most of the Northeast and New England. Out West, a storm system will push into the Northwest and northern California. Rain will develop along the coast from Vancouver Island to central California. Rain and snow is possible inland from the British Columbia mountains south into the Inter-mountain Northwest, northern Rocky, and Sierra ranges. Snow could be heavy for the Bitterroots of Idaho and northern Montana Rockies. Freezing rain will be a threat for portions of Washington, Oregon, and northern Idaho. Snow will develop from the Canadian Plains south to far northern Montana and North Dakota.

### **Tomorrow**

The far southern cold front will continue to sink south towards Cuba. This system will produce scattered showers and thunderstorms for Florida’s east coast. Another cold front will extend from the Canadian Maritimes south into the Southeast cutting across the Deep South to the lee of

the Rockies. Snow will be found across Quebec, northern Maine, and the Canadian Maritimes. More snow will be scattered from the eastern Great Lakes west back into the Canadian Plains. The Pacific storm system will push east to the Rockies and southern Great Basin. Rain once again will be found along the coastal regions from central California to British Columbia. Rain and snow will be widespread across the Northwest, northern Rockies, and northern Great Basin.

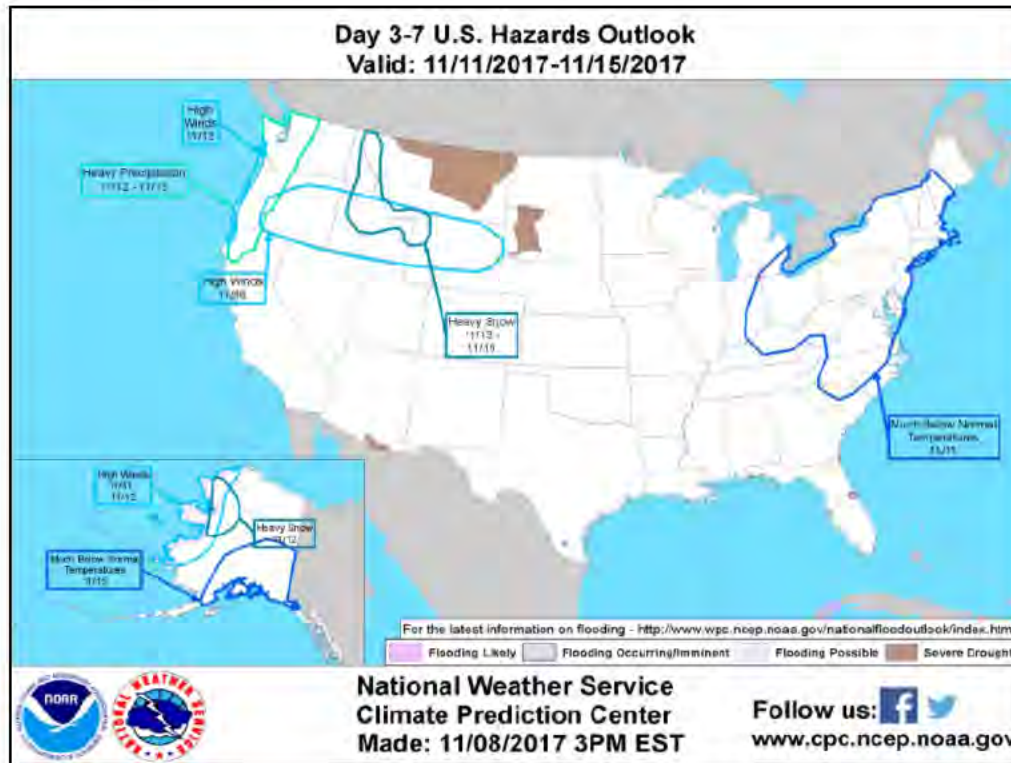


## Weather Hazard Assessment

- November 9: Severe drought across Hawaii, the southern Plains, the northern Plains, the northern Rockies, and the Southwest.
- November 9: Flooding is occurring or imminent across portions of the Southeast.
- November 11: Much below normal temperatures across portions of the Great Lakes, the mid-Atlantic, the Northeast, the central Appalachians, and the Ohio Valley.
- November 11-12: High winds across portions of mainland Alaska.
- November 11-12: Possible flooding across coastal portions of western mainland Alaska.
- November 12: Heavy snow across portions of northwestern mainland Alaska.
- November 12-15: Heavy precipitation across portions of California, the Pacific Northwest, and the northern Great Basin.
- November 13: High winds across coastal portions of northern California and the Pacific Northwest.
- November 13-15: Heavy snow across portions of the northern Rockies and the northern Great Basin.

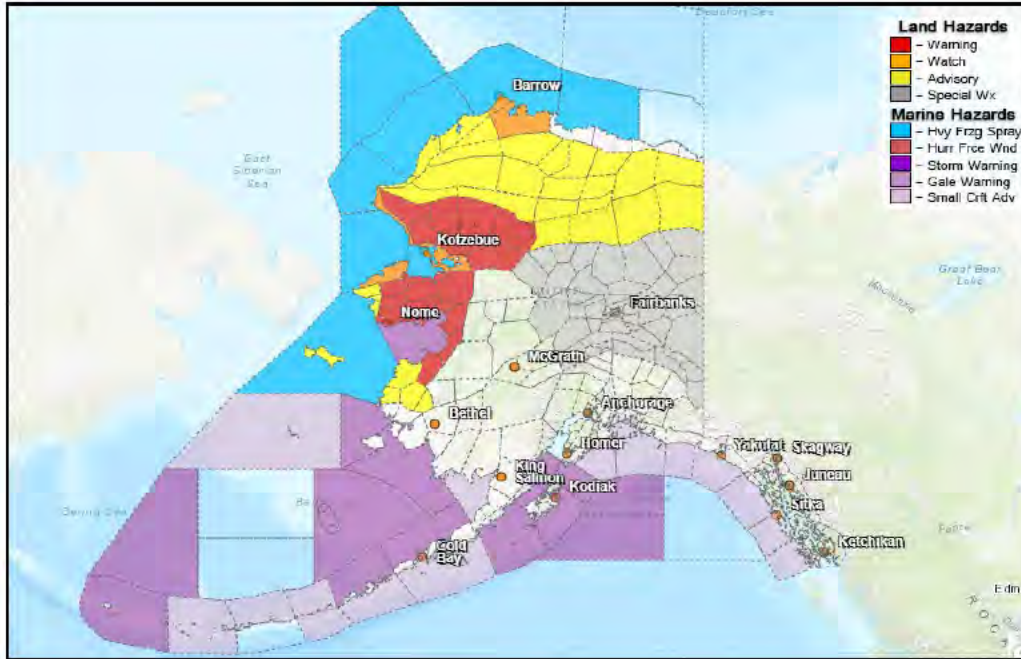


- November 15: High winds across portions of the central Plains, the northern Plains, the northern Rockies, the central Rockies, the northern Great Basin, and the Pacific Northwest.
- November 15: Much below normal temperatures across portions of the Alaska Panhandle and southern Alaska.

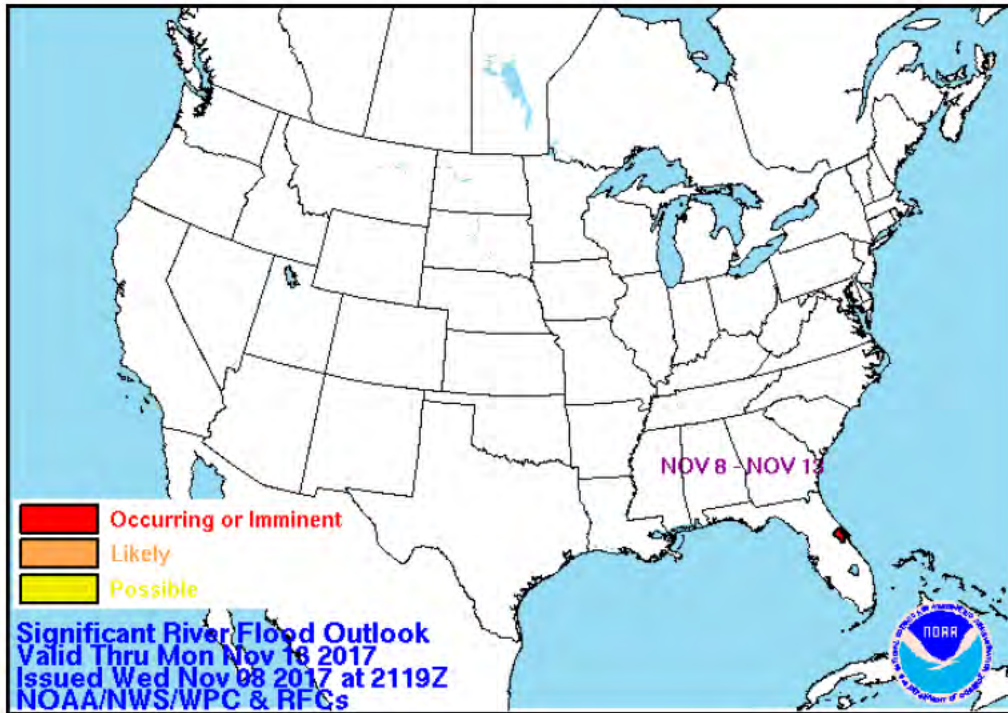


## Alaska Weather

Small Craft Advisories are in effect for coastal waters of the Gulf of Alaska, the Aleutian Islands, St. Matthew's Island waters, and around portions of the Alaska Peninsula. Gale Warnings are in effect for portions of the Bering Sea, the Alaska Peninsula, Kodiak Island, and coastal waters from Cold Bay to Nome. Coastal Flood Advisories are in effect for the Yukon Delta, and the Seward Peninsula. Winter Storm Warnings are in effect around the Norton Sound, the Seward Peninsula, and the Lisburne Peninsula. High Surf Advisories are in effect for Shishmaref, Kotzebue, Barrow, and from Kivalina to Point Hope. Heavy Freezing Spray Warnings are in effect from Dall Point to Wales, and the coast waters around the Chukchi Sea and the North Slope. A Winter Weather Advisory is in effect for the Brooks Range. A Special Weather Statement is in effect for the Alaska Interior east to the Canada Border for a winter storm on Saturday



**Significant River Flooding**



Significant river flooding is occurring or imminent across portions of east-central Florida.

**Severe Weather**

There is no forecast for severe thunderstorm activity today.

## **Tornado Weather**

There is less than a two-percent chance of tornado activity in the U.S. today.

## **Fire Weather**

There is no Critical Fire Weather forecast for the U.S. today.

## **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – November 9, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

No tropical cyclones impacting U.S. interests during the next 48 hours.

### **Eastern Pacific Ocean**

Tropical cyclone formation is not expected during the next 48 hours.

## **Other News and Notes**

### **Hawaii Testing Emergency Alert System for North Korea Threat**

Source: Hawaii Emergency Management Agency - November 8, 2017

The State of Hawaii has issued guidance and a public service announcement (PSA) campaign to advise the general public about new warning siren testing that will occur on a monthly basis. The last time Hawaii residents heard the attack warning siren test was around 1980 during the Cold War. The siren, if used as an actual warning, would signal the need to immediately seek shelter. The Hawaii Emergency Management Agency (HI-EMA) advises the public in the PSA to “get inside, stay inside, and stay tuned.” These tests are in addition to the other siren tests that are performed by the agency. Click [here](#) to see the PSA.

***\*End of Report\****

### **Distribution:**

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**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EST, Monday, November 13, 2017

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**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

**Tropical Weather Response and Recovery**

**DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery Efforts**

**Emergency Support Function (ESF) #5 (Information and Planning)**

- **United States Geological Survey (USGS):** All field data collection under Mission Assignment (MA) PR-17090102-USGS-01 (ESF #5) has been completed. Initially, 20 storm sensors were deployed, 18 were retrieved and processed, while 2 sensors were lost.

Work continues for MA 4339DR-PR-USGS-03 (ESF #5) for Puerto Rico to identify, flag, and survey high water marks (HWM) for communities impacted by riverine or coastal flooding. Work on this assignment is being completed by USGS teams comprised of local personnel from Puerto Rico and personnel deployed from Florida. Field work is scheduled to be completed this week, though data processing and analysis will continue. As of November 6, 180 HWMs have been flagged, and 33 of those have been surveyed. This MA will continue through December 15. Initial work under MA 4339DR-PR-USGS-02 (ESF #5) was completed on November 7. The team of five scientists from the USGS Landslides Hazards Program (LHP) conducted two helicopter surveys documenting landslide occurrences. To date, over 50,000 landslides have been documented across Puerto Rico impacting infrastructure and property and isolated several mountain communities. The USGS is coordinating with FEMA for a potential second deployment to Puerto Rico, as warranted, under this current mission assignment, which is open through December 31.

### **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** There are currently 10 employees from DOI bureaus and offices supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, the U.S. Virgin Islands, Nevada, and Florida. Demobilization of these remaining personnel is scheduled to be completed by November 28. FEMA does not anticipate the need to deploy any additional DOI personnel to support their Surge Capacity Force.

### **DOI Support to the Small Business Administration (SBA)**

- **Office of Emergency Management (OEM):** There are currently 31 employees from DOI Bureaus and Offices supporting, or are scheduled to provide support to, the SBA. The group is comprised of volunteers working in New York, Texas, California, Virginia, Florida, and Washington, D.C. Six of these employees are slated to deploy later today; while an additional nine personnel may potentially be deployed to Puerto Rico or the U.S. Virgin Islands.

## **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

### **United States Geological Survey (USGS)**

**Source:** United States Geological Survey (USGS) - November 9, 2017

The Caribbean-Florida Water Science Center (CFWSC) in Puerto Rico is open to all employees; however, the facility remains closed to the public.

Field crews continue to repair and rebuild gage networks on Puerto Rico. Approximately 75-percent of all gages damaged in Puerto Rico have been repaired. Issues with vandalism and theft of batteries and solar panels persist. USGS field crews have identified at least 67 gage locations where stream channels were significantly affected and physically changed by flooding from Hurricanes Irma and Maria. These locations will require new rating curves that are more

representative of the new stream channel cross-section and the new streamflow-stage height relationship. Follow-on flagging and indirect measurements will continue to support development of the new rating curves.

### **Big Cypress National Preserve Operational Update**

*Source: National Park Service Press Release - November 9, 2017*

Recent weather conditions and slowly subsiding water levels have improved conditions in Big Cypress National Preserve. Staff have been working hard to restore facilities, infrastructure, and access for the public since the preserve reopened one month ago after Hurricane Irma.

The Swamp Welcome Center reopened on Friday, November 10. The facility has been repaired and restored after Hurricane Irma's strong winds drove rain into the building's air handling unit. Recent repairs and mediation have brought the building back up to full operational levels.

Loop Road remains closed to all non-local and through traffic. Teams have completed vegetation and tree arbor work along the scenic road, but high water levels continue to make the road impassable. Staff will continue to update signs along the roadway and reopen by press release as conditions allow. Monument Lake Campground remains the only open campground. Midway, Burns Lake, Bear Island, Mitchell Landing, and Pinecrest Campgrounds remain closed due to higher than normal groundwater levels. Current facilities at the campground are not suitable for public use. The public is encouraged to find alternate camping accommodations in the area. Additional updates and changes in closures will be provided by press release.

### **Phased Re-Opening of Florida Keys National Wildlife Refuge (NWR) Complex**

*Source: U.S. Fish and Wildlife Service Press Release - November 7, 2017*

Phased re-opening of the Florida Keys National Wildlife Refuges (NWR) Complex began on November 1, 2017 after the refuges were previously closed due to Hurricane Irma impacts. Reopening include the Crocodile Lake NWR, the National Key Deer NWR, the Key West NWR, and the Great White Heron NWR. As of November 7, the National Key Deer Refuge Visitor Center at the Winn Dixie shopping plaza on Big Pine Key is now open Tuesday, Wednesday, Thursday, and Saturdays from 10 am-3pm. Blue Hole and Nature Trail public use areas are now open from dawn to dusk.

Initial facility damage assessments for the National Key Deer Refuge, which supports operations for all four NWRs in the Florida Keys, included:

- A bunkhouse and trailer that was damaged beyond repair. These two facilities supported housing for interns, volunteers, and partner researchers.
- The maintenance shop that received at least four feet of water resulting in lost equipment and tools.
- A boat dock that was destroyed. This boat dock supported management in the backcountry and was also used by partner conservation agencies as well.
- Five vehicles which no longer work due to flooding. These vehicles supported law enforcement, biology, maintenance, and visitor services programs.

## **Other Federal and State Government Reporting**

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - November 10, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of November 10 at 5:00 a.m. EST:

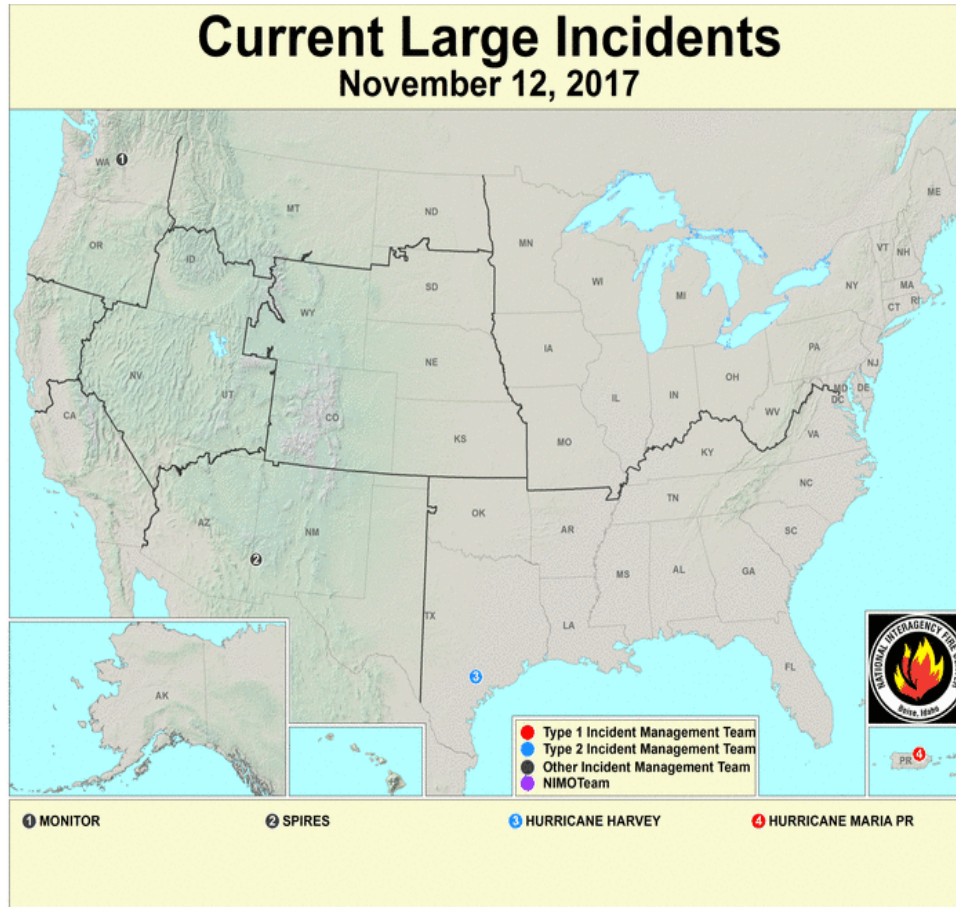
- *Puerto Rico:* The Puerto Rico Electric Power Authority (PREPA) estimates that 43.2-percent customers are receiving power with 95-percent to be restored by December 15. Potable water has been restored to more than 85-percent of clients served by the Puerto Rico Aqueduct and Sewer Authority (PRASA). There are 96 of 115 drinking water filtration plants operational; 47 of the 51 PRASA wastewater treatment plants are operational. Boil Water advisories remain in effect territory wide. Telecommunication officials report 56.1-percent of cellular sites are operational and estimate 94.4-percent of the population lives in areas where wireless voice and text service has been restored. The Guajataca Dam drawdown is now complete as water levels have dropped to 14 feet below the spillway. Without significant rains forecast in the near future, the U.S. Army Corps of Engineers (USACE) suggested ending the Flash Flood Warning. The Puerto Rico Emergency Management Agency (PREMA) recommended continuing to monitor water levels through the weekend, and if levels remain positive, advising the National Weather Service to drop the Flash Flood Warnings later today.
- *U.S. Virgin Islands:* Virgin Islands Water and Power Authority estimates 90-percent power restoration by late December. Grid power serves 38.8-percent of the population for St. Thomas, 12.6-percent for St. Croix, and 30.3-percent for St. John. Telecommunication officials report 62.8-percent of cellular sites are operational and an estimated 93-percent of the population lives in areas where wireless voice and text service has been restored. The Boil Water advisory has been lifted for St. Thomas and St. John, but remains in effect for St. Croix.

## Wildland Fire Activity

### Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – November 12, 2017

## Large Fire Map



### National Preparedness Level 2

#### National Fire Activity

Initial attack activity:	Light (168 new fires)
New large incidents:	1
Large fires contained:	1
Uncontained large fires: **	1
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	2
Type 2 IMTs committed:	2

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Low-level unrest continues at the Cleveland Volcano, and a weak thermal signal was observed in multiple satellite images during this reporting period. Nothing significant was detected in seismic or infrasound data from sensors located on neighboring islands.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna and is producing scattered surface flow activity. These lava flows are posing no threat to nearby communities at this time. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) - November 12, 2017*

The USGS reported that a magnitude 6.5 earthquake occurred on November 12, at 5:28 p.m. EST, at a depth of 12 miles, approximately 10 miles southeast of Jacó, Costa Rica. The USGS issued a Yellow PAGER Alert indicating the potential for shaking related fatalities, economic losses, casualties, and damage. There was no tsunami threat associated with this event.

The USGS reported that a magnitude 7.3 earthquake occurred on November 12, at 1:18 p.m. EST, approximately 14 miles south-southeast of Derbendîxan, Iraq at a depth of 20 miles. The USGS issued an Orange PAGER Alert indicating a significant likelihood for casualties and damages.

The USGS reported that a magnitude 6.3 earthquake occurred on November 10, at 7:36 p.m. EST, approximately 262 miles south of Georgetown, Saint Helena at a depth of 6 miles. The USGS issued a Green PAGER Alert indicating a low likelihood of casualties and damage. There was no tsunami threat associated with this event.

## **Significant National Weather**

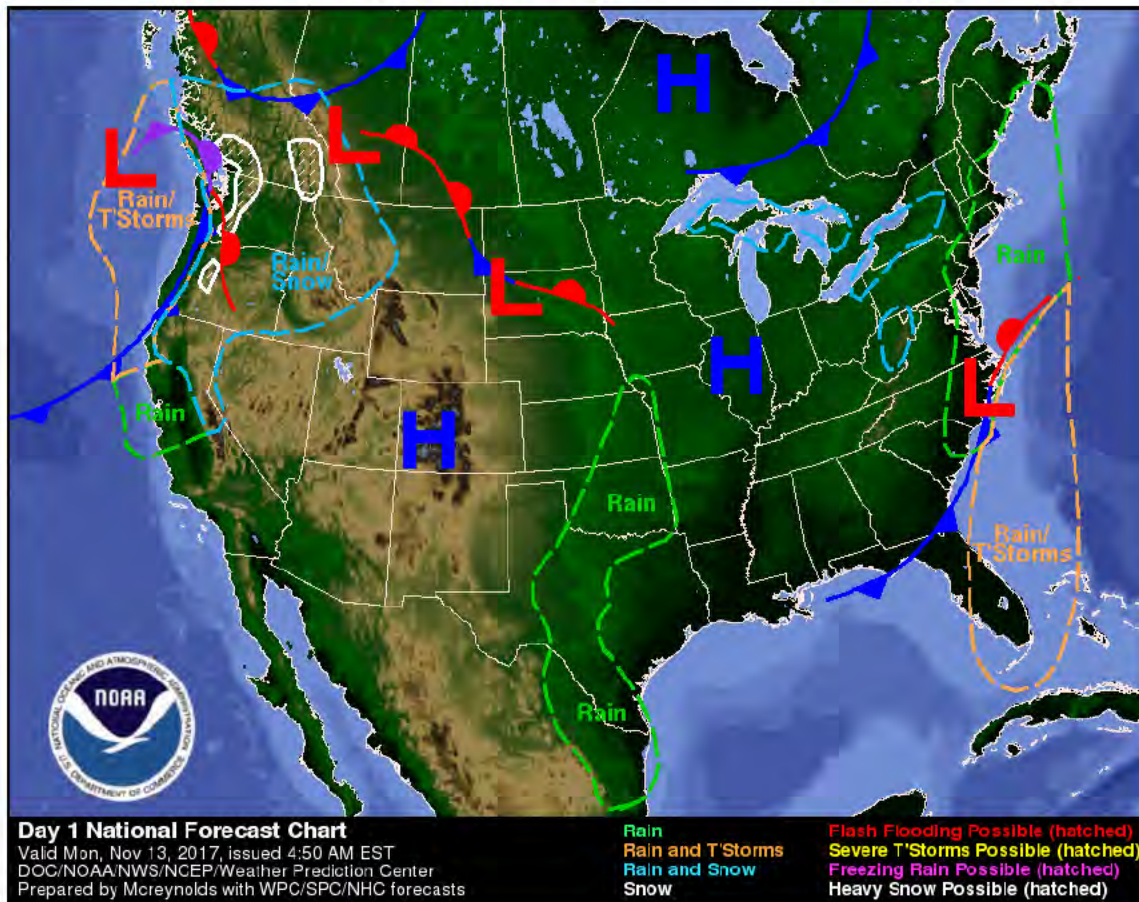
**Source:** National Weather Service - November 13, 2017

### **Today**

Moderate to heavy precipitation is expected from northern California to western Washington. Some of the moisture will reach the northern Rockies by Tuesday as the low moves inland. Higher snowfall totals, upwards of a foot or two of snow, will be restricted to the higher terrain of the Oregon and Washington Cascade Mountains. Expect damaging wind gusts as high as 50-80 miles per hour (mph) for the Oregon and Washington coastal communities and along the beaches. Inland valleys could see gusts of 35-50 mph. Expect rain through the southern Plains and isolated snow/rain mix in portions of West Virginia. The lower and upper Great Lakes will see lake effect snow.

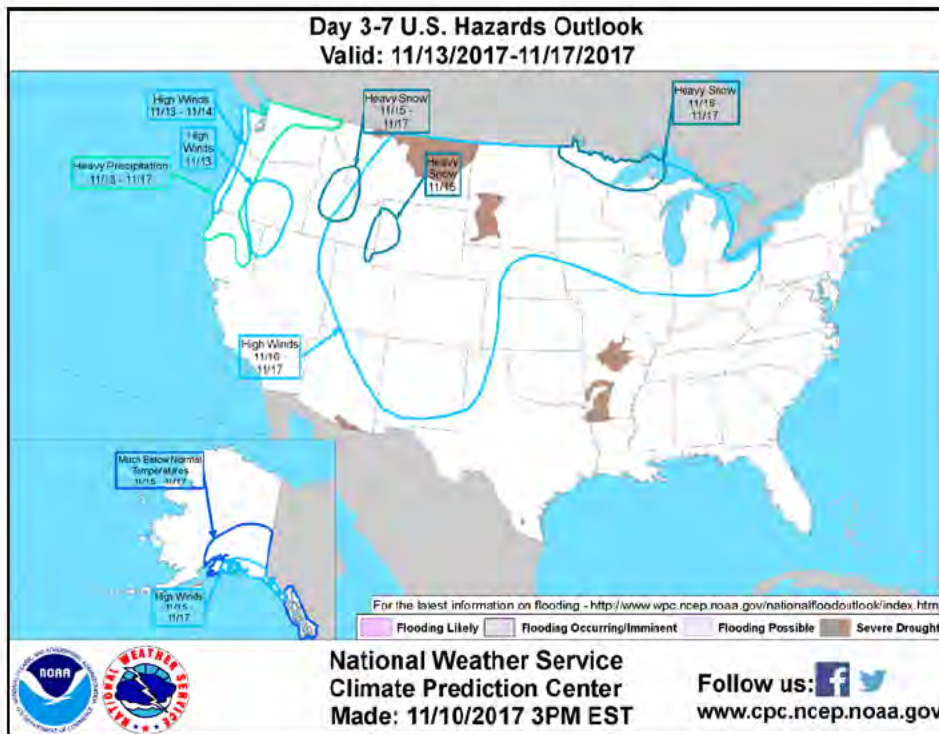
### **Tomorrow**

The active weather pattern continues in the Pacific Northwest with rain and mountain snow is expected to continue impacting Oregon, Washington, and Northern California. Moisture is expected to spill over into the Intermountain West and Northern Rocky Mountains. Rain, snow, and a rain/snow mix will be possible across Idaho, Montana, and Wyoming.

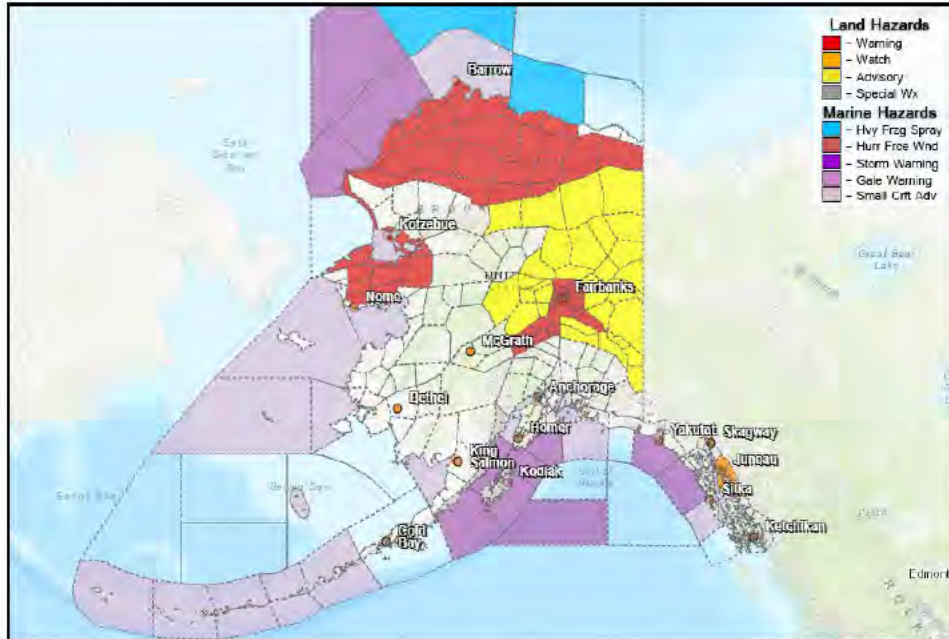


## Weather Hazard Assessment

- November 13: High winds across portions of the Great Basin.
- November 13-14: High winds across coastal portions of California and the Pacific Northwest.
- November 13-17: Heavy precipitation across portions of California, Oregon, Washington, and northern Idaho.
- November 15: Heavy snow across portions of the Tetons.
- November 15-17: High winds across downslope areas of the Alaska Panhandle and southeastern Alaska.
- November 16-17: Heavy snow across portions of the western Great Lakes and the upper Mississippi Valley.
- November 16-17: High winds across much of the Rockies, Great Plains, upper and middle Mississippi Valley, and Great Lakes.



## Alaska Weather



Small Craft Advisories are in effect for most of the Aleutian Islands, Gulf of Alaska waters, Bering Sea waters, and Chukchi Sea waters. Gale Warnings are in effect for portions of the Gulf of Alaska, around Kodiak Island, and Chukchi Sea. A Coastal Flood Warning is in effect for the Seward Peninsula. A Winter Storm Warning is in effect for the Brooks Range through the North Slope, and around Fairbanks, and Denali National Park. A Winter Weather Advisory is in effect for the interior Alaska region eastward. Heavy Freezing Spray Warnings are in effect for the Central U.S. Arctic region and portions of the North Slope shores.

### Significant River Flooding

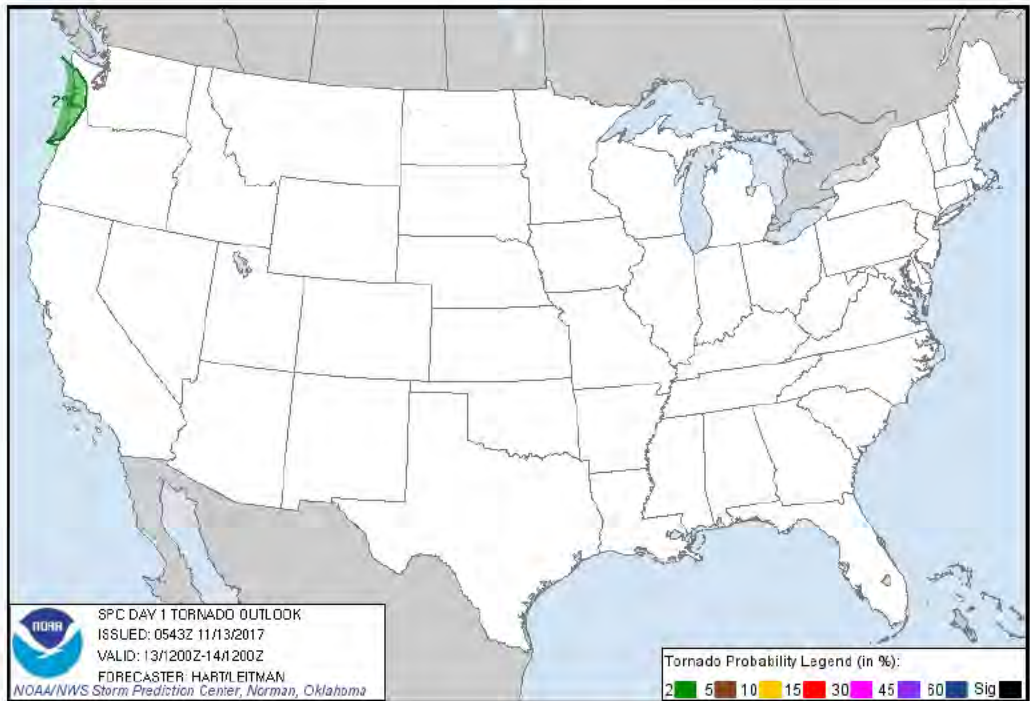
There is no Significant River Flooding expected today in the U.S.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today along the coasts of Washington and northwestern Oregon.

## Tornado Weather



There is a two-percent chance of tornado activity today along the coasts of Washington and northwestern Oregon.

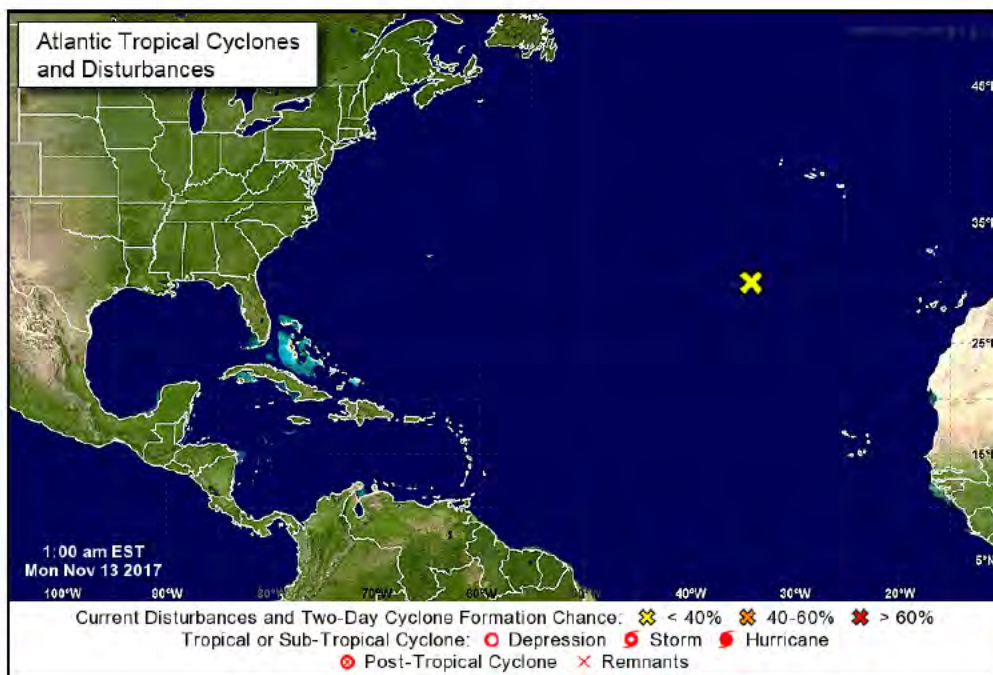
### Fire Weather

There is no Critical Fire Weather forecast for the U.S. today.

### Tropical Weather Activity

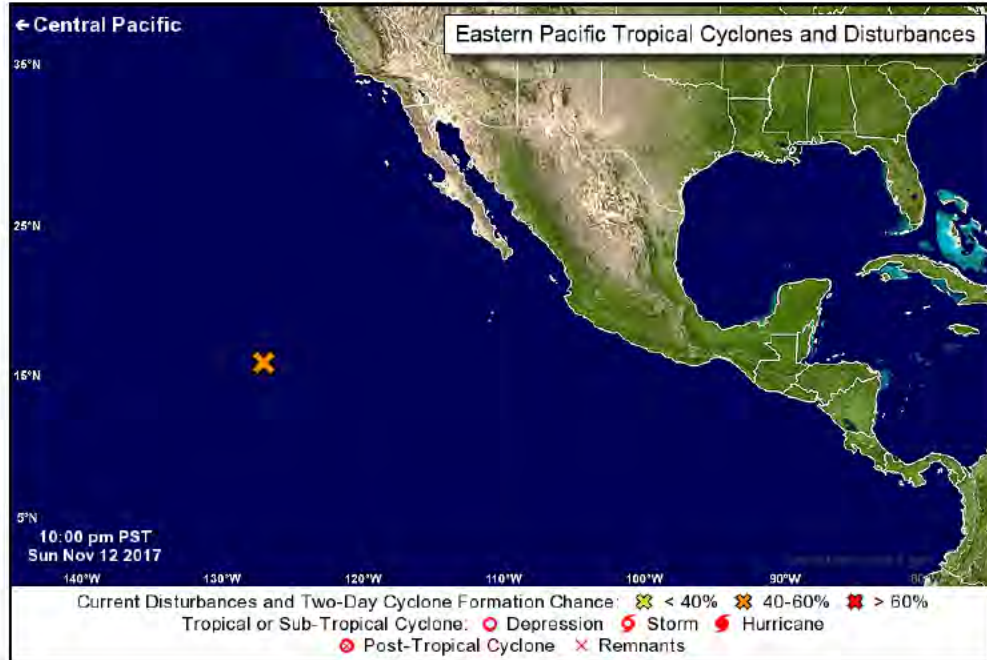
Source: National Weather Service/National Hurricane Center – November 13, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Area 1:** Showers and thunderstorms continue to show some signs of organization in association with a low pressure system located about 700 miles southwest of the Azores. Environmental conditions are expected to be conducive for some additional development, and the system could become a subtropical cyclone during the next few days while it moves slowly northeastward. This system has a 30-percent chance of becoming a tropical cyclone in the next 48 hours.

## Eastern Pacific Ocean



**Area 1:** Satellite imagery indicates that the low pressure system located about 1,300 miles southwest of the southern tip of the Baja California continues to produce widespread cloudiness and disorganized showers. Although environmental conditions are gradually becoming less conducive for development to occur, only a slight increase in organization would result in the formation of a tropical depression. By Tuesday morning, however, upper-level winds are expected become quite unfavorable for tropical cyclone formation to occur. This system is forecast to move west-northwestward at 10 to 15 mph across the open eastern Pacific and has a 60-percent chance of becoming a tropical cyclone in the next 48 hours.

### Other News and Notes

#### **National Terrorism Advisory System Bulletin**

*Source: Department of Homeland Security – November 9, 2017*

Since 2015, the Department of Homeland Security (DHS) has used the National Terrorism Advisory System Bulletin to highlight the continuing terror threat to the U.S. Homeland. The United States is engaged in a generational fight against terrorists who seek to attack the American people, our country, and our way of life. An informed, vigilant, and engaged public remains one of our greatest assets to identify potential terrorists and prevent attacks. The current bulletin will remain in effect until May 9, 2018 and includes the following details:

- The U.S. continues to face one of the most challenging threat environments since 9/11, as foreign terrorist organizations exploit the Internet to inspire, enable, or direct individuals already here in the homeland to commit terrorist acts. Homegrown terror suspects

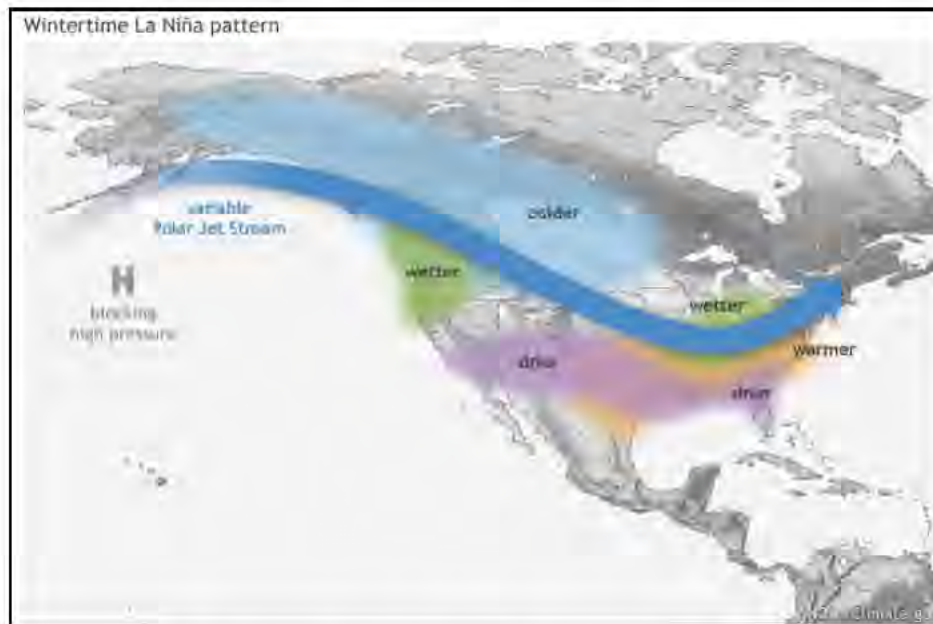
increasingly rely on technology, such as end-to-end encrypted social media applications, to avoid detection.

- Terrorist groups are urging recruits to adopt easy-to-use tools to target public places and events. Specific attack tactics have included the use of vehicle ramming, small arms, straight-edged blades or knives, homemade explosives, and poisons or toxins.
- Some terrorist groups overseas are using battlefield experiences to pursue new technologies and tactics, such as unmanned aerial systems and chemical agents that could be used outside the conflict zones. Additionally, terrorists continue to target commercial aviation and air cargo, including with concealed explosives.

To read the entire Bulletin, [click here](#)

### **La Niña Advisory**

*Source: National Weather Service Climate Prediction Center - November 9, 2017*



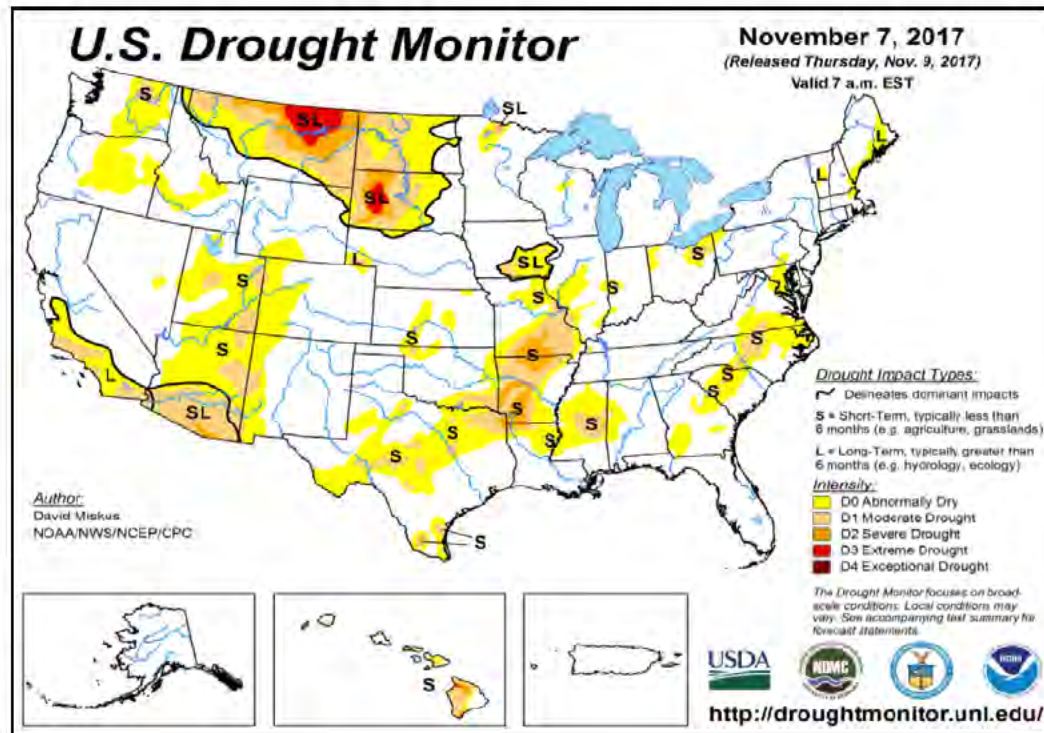
The Climate Prediction Center (CPC) has issued a La Niña Advisory for the winter season. Weak La Niña conditions are expected to continue through the remainder of the fall and winter, which include the months from October to April. La Niña is likely to affect temperature and precipitation across the United States during the upcoming months. The CPC's seasonal Temperature and Precipitation outlooks for the winter will be updated on November 16.

La Niña will bring wetter and cooler conditions to the northwestern part of the U.S., and drier and warmer conditions to southwest. Keep in mind these are possible forecast and can change with other weather occurrences.



## U.S. Drought Monitor

Source: *National Drought Mitigation Center - November 9, 2017*



A vigorous Pacific storm system and a series of low pressure centers traversing along a semi-stationary front in the eastern half of the Nation brought moderate to heavy precipitation to portions of the Northwest, the Ohio and Tennessee valleys, the eastern Great Lakes region, parts of the lower Mississippi Valley, and the west-central Gulf Coast. With subnormal temperatures present, heavy snows fell on higher-elevations of the Cascades, the northern Sierra Nevada, and the northern and central Rockies, producing an early Water Year to Date (WYTD; Oct. 1-Nov. 7) basin average snow water content (SWC) much above normal across the northern half of the West, along with above-normal basin average precipitation. Unfortunately, the WYTD basin average SWC and precipitation values were below too much below-normal across the southern third of the West. In the East, strong upper-air energy and low-level moisture produced widespread showers and thunderstorms, including some that were severe, in the Ohio Valley. In contrast, little or no precipitation fell on the Southwest, the southern Rockies, much of the Plains, the western Corn Belt, the Southeast, and along coastal New England. Temperatures averaged below normal in the Pacific Northwest, the northern Rockies, the northern half of the Plains, the upper Midwest, and Florida while above-normal readings occurred across the Southwest, the southern Plains, the Southeast, the Ohio Valley, the East Coast, and Alaska. Drier weather returned to both Alaska and Hawaii after several weeks of ample precipitation while light to moderate showers fell across Puerto Rico.

*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Tuesday, November 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

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## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Bulletin Issued on November 9, 2017**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 13, 2017*

**Alert Level = WATCH**  
**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano with moderately elevated surface temperatures being observed in satellite data from the volcano. The elevated surface temperatures could be indicative of lava at or near the surface in the volcano's summit crater. Satellite data shows that the volcano's most recent lava dome was partly destroyed by explosions on October 28 and 30,

and it is not yet known if a new dome has begun to form. No significant activity was detected by seismic or infrasound sensors during this reporting period.

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 13, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to produce scattered surface flow activity, and the flow re-entered the ocean during this reporting period, producing a weak and intermittent plume. These lava flows are posing no threat to nearby communities at this time, and there have been no significant changes in ground deformation or seismicity rates across the volcano.

### **Katmai Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) Information Statement – November 13, 2017

On November 13, strong northwestern winds in the vicinity of the Katmai Volcano in Alaska picked up loose volcanic ash from the 1912 Novarupta-Katmai eruption and carried it to the southeast. Satellite images from Monday morning showed that the resulting resuspended ash cloud extended approximately 72 miles over the Shelikof Strait and Kodiak Island at an altitude of up to 1.8 miles. This phenomenon is not the result of recent volcanic activity, but occurs during times of high winds and dry snow-free conditions in the Katmai area. No eruption is in progress, and all of the volcanoes in the Katmai area remain at an Aviation Color Code of Green and an Alert Level of Normal. Additional reporting on the Katmai Volcano is not expected.

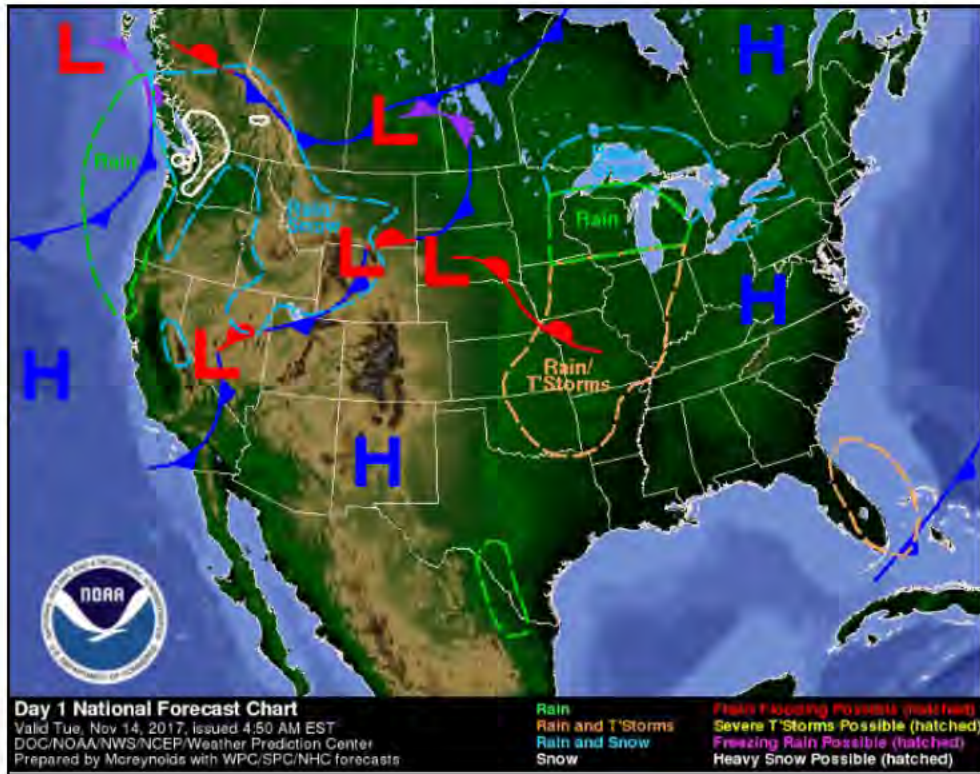
### **Earthquake Activity**

Source: U.S. Geological Survey (USGS) - November 13, 2017

The USGS reported that a magnitude 4.6 earthquake occurred on November 13 at 2:31 p.m. EST, approximately 8.7 miles to the northwest of Pinnacles, California, at a depth of 3.9 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this event.

## Significant National Weather

Source: National Weather Service - November 14, 2017



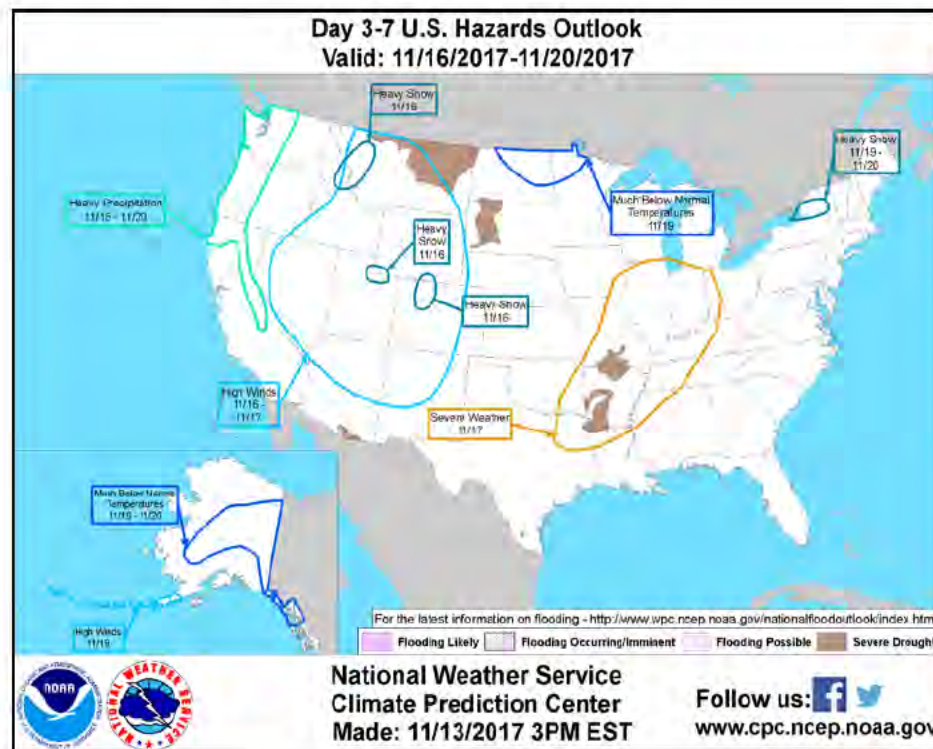
### **Today**

Heavy precipitation is expected today throughout lower elevations west of the Cascades, across the Pacific Northwest and northern California, and eastward into the northern Rockies. High winds and heavy mountain snow are also expected, with heavier snowfall of four inches to two feet in areas of elevation above 3,000 feet. Light precipitation will likely occur from the central Plains into the Midwest. Temperatures are expected to remain moderate across the western U.S. and rise above normal across the central and southern Plains.

### **Tomorrow**

Continued moisture from the Pacific Ocean will bring heavy rain to lower elevations along the coasts of northern California, Oregon, and Washington. High elevation snow is possible in the Cascades and intermountain ranges of eastern Washington, Oregon, and Idaho. Rain and snow showers will also be possible across northern Nevada, Utah, and along the northern Rocky Mountains in Montana and Wyoming. Heavy rain along the Sierra Nevada Mountains and the West Coast from northern California to Oregon will make flash flooding possible in some areas. Precipitation totals could be as high as 3-6 inches in some locations. A front moving across the northern Plains will bring rain and thunderstorms from the south-central Plains into the Midwest, the Great Lakes, and the central Appalachians. Rain and snow will be possible for portions of Michigan, Wisconsin, and Minnesota.

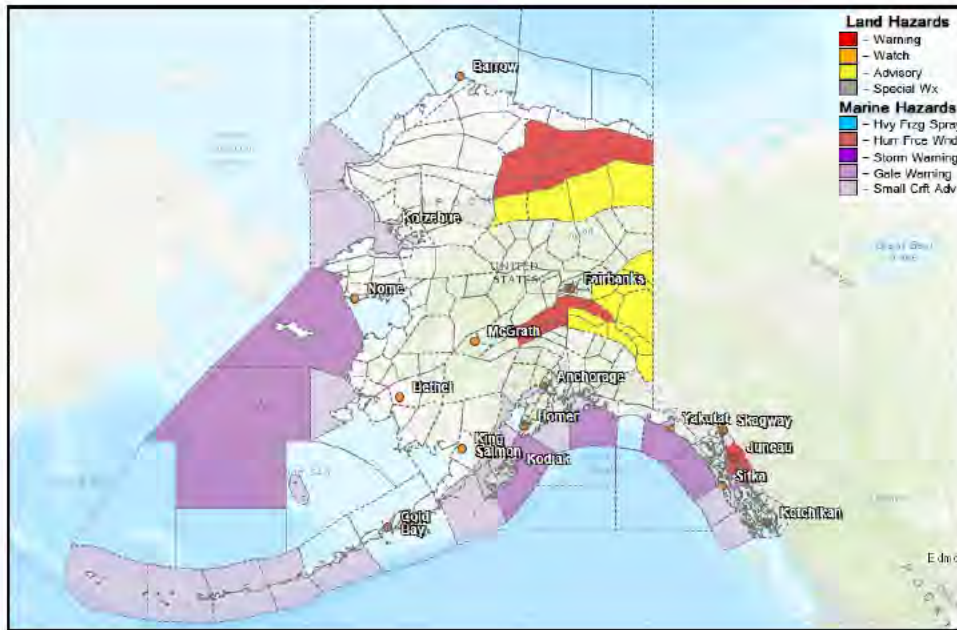
## Weather Hazard Assessment



- November 14: Severe drought across parts of the the lower and middle Mississippi Valley, the northern and southern Plains, the northern Rockies, Arizona, and Hawaii.
- November 16: Heavy snow across portions of the central Rockies, the central Great Basin, and the northern Rockies.
- November 16-17: High winds across portions of the Great Basin, the Rockies, and the Plains.
- November 16-20: Heavy precipitation from portions of the West Coast through the Sierra Nevadas and the Cascades.
- November 17: Severe weather across portions of the Mississippi Valley, the Tennessee Valley, the Great Lakes, the southern Plains, and the Ohio Valley.
- November 19: Much below-normal temperatures across portions of North Dakota and Minnesota.
- November 19: High winds across portions of the Alaska Peninsula and the Aleutians.
- November 19-20: Heavy lake-effect snow across portions of New York.
- November 19-20: Much below-normal temperatures across portions of the Alaska Panhandle and mainland Alaska.

### Alaska Weather

A Winter Storm Warning and a Winter Weather Advisory are in effect today for parts of northeastern, central, and southeastern Alaska. A High Wind Warning is in effect around Juneau and Sitka. A Small Craft Advisory and/or a Gale Warning are in effect for portions of the Gulf of Alaska, the Aleutian Islands, and Alaska's western coastline, including the islands offshore in the Bering Sea.



### **Significant River Flooding**

Significant River Flooding is not expected in the U.S. over the next five days.

### **Severe Weather**

There is no severe thunderstorm activity forecast for today across the U.S.

### **Tornado Weather**

There is less than a two-percent chance of tornado activity in all areas of the U.S. today.

### **Fire Weather**

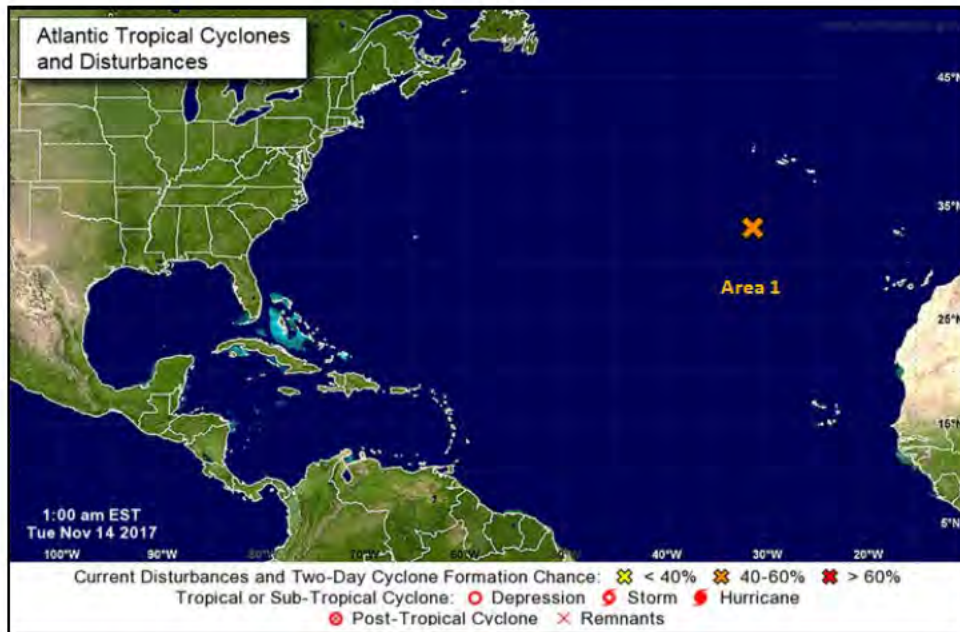
There is no Critical Fire Weather forecast for today across the U.S.

### **Tropical Weather Activity**

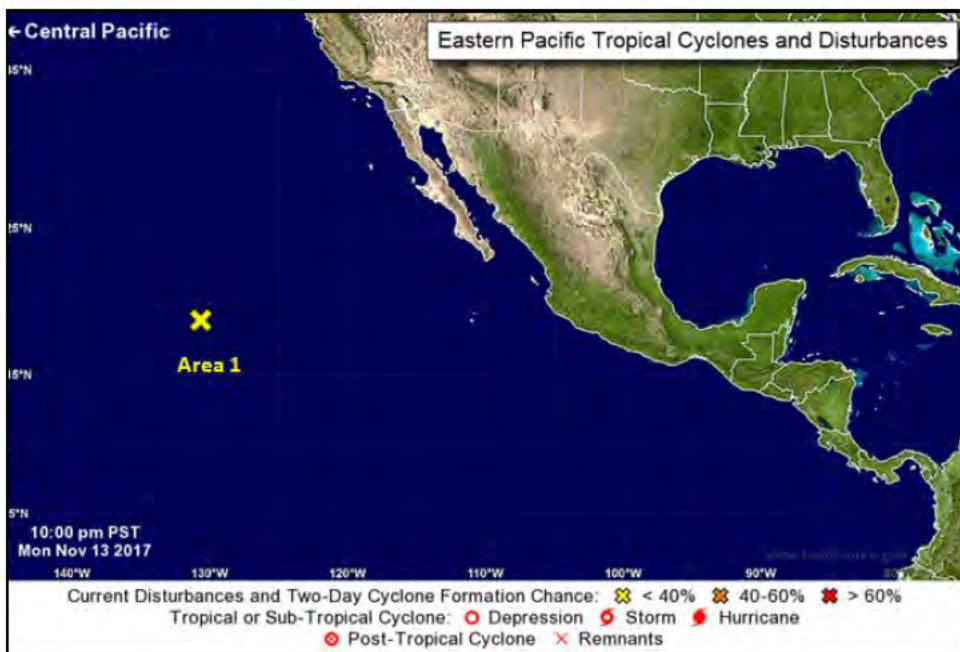
Source: National Weather Service/National Hurricane Center – November 14, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

**Area 1:** Showers and thunderstorms have increased during the past several hours in association with a low pressure system located about 400 miles to the south-southwest of the Azores. Additional development is possible, and the system could become a subtropical cyclone during the next couple of days before upper-level winds become unfavorable. Regardless of development, this low is expected to produce winds to near gale force during the next day or two while it moves slowly northeastward. This system has a 40-percent chance of developing into a tropical cyclone during the next 48 hours.



### Eastern Pacific Ocean



**Area 1:** An area of low pressure located about 1,400 miles west-southwest of the southern tip of the Baja California Peninsula is producing a limited amount of showers and thunderstorms. Development of this system is not expected due to very strong upper-level winds. This disturbance is expected to move west-northwestward at 10 to 15 miles per hour (mph) during the next couple of days. This system has a near zero-percent chance of developing into a tropical cyclone during the next 48 hours.



*\*End of Report\**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Wednesday, November 15, 2017

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## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Bulletin Issued on November 9, 2017**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Wildland Fire Activity**

### **U.S. Bureau of Reclamation - California Wildfire Debris Removal Support**

*Source: U.S. Bureau of Reclamation - November 14, 2017*

The U.S. Bureau of Reclamation (USBR) is preparing to deploy personnel to northern California in support of a U.S. Army Corps of Engineers (USACE) wildfire debris removal mission under Emergency Support Function (ESF) #3 (Public Works and Engineering). On December 1, the USBR will deploy the first of six planned groups of quality assurance inspectors to the counties of Lake, Mendocino, Napa, and Sonoma in northern California. The groups are expected to deploy for 30 days, with 15 inspectors each. Successive groups are tentatively scheduled to

deploy on December 13, December 18, December 31, January 12, and January 17. The USBR Emergency Operations Center (EOC) will be passively staffed during the deployments, which are expected to be completed on or about February 17, 2018.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Local seismic and infrasound sensors recorded a small explosion yesterday as unrest continued at the Cleveland Volcano. A few small earthquakes were also recorded, but nothing significant was observed in satellite images of the volcano during the reporting period.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 14, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. The episode 61g lava flow continues to produce scattered surface flow activity, and a weak ocean entry was observed yesterday. These lava flows are posing no threat to nearby communities. There have been no significant changes in ground deformation or seismicity rates across the volcano.

### **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) - November 14, 2017*

The USGS reported that a magnitude 5.8 earthquake occurred on November 14 at 7:24 p.m. EST, approximately 66 miles to the west-southwest of Umatac Village, Guam, at a depth of about 80 miles. The USGS issued a Green PAGER Alert for the earthquake, indicating a low likelihood for casualties and damages. There was no tsunami threat associated with this event.

### **Significant National Weather**

*Source: National Weather Service - November 15, 2017*

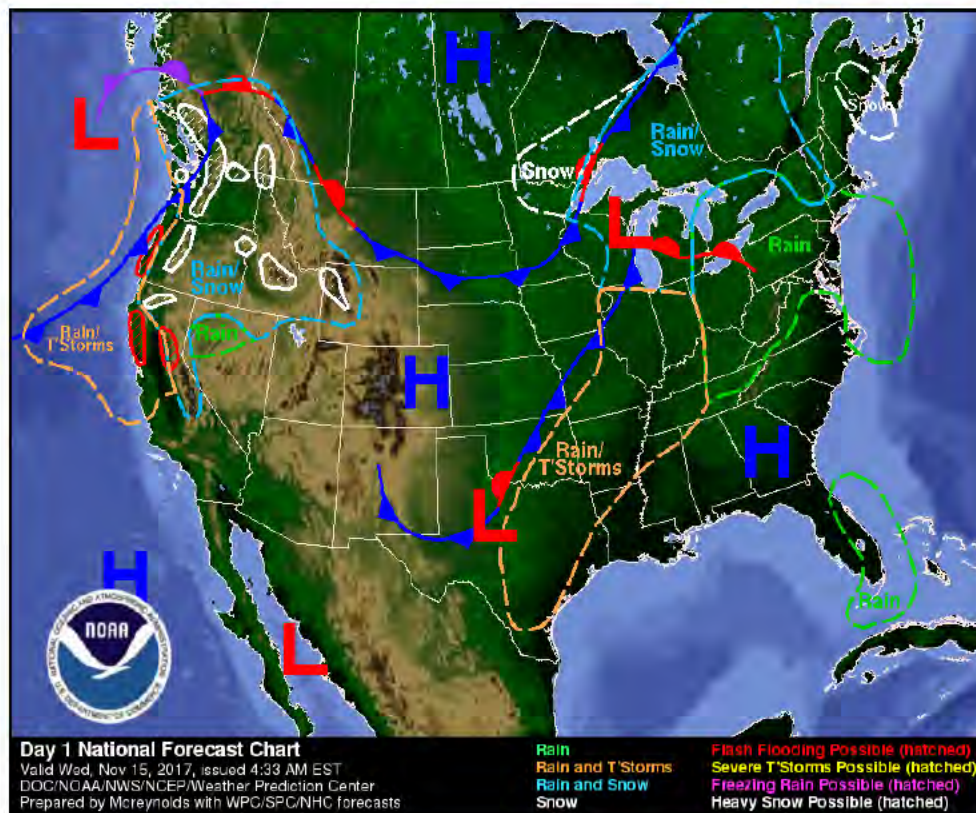
#### **Today**

A strong storm system will continue to move inland across the West Coast from the Pacific Northwest to central California bringing heavy rainfall to the region. Elevations above 5,000 feet in the Sierras and 3,000 feet in the Cascades and Olympics will receive snowfall totals as high as 2-3 feet. High winds are also forecast for these areas. In the central U.S., a low pressure system will bring the possibility of a rain and snow mix around the Great Lakes and Upstate New York. There is a chance of rain in the Ohio Valley, southern New England, and the mid-

Atlantic. Thunderstorms are possible from eastern Texas through the middle Mississippi River Valley.

### Tomorrow

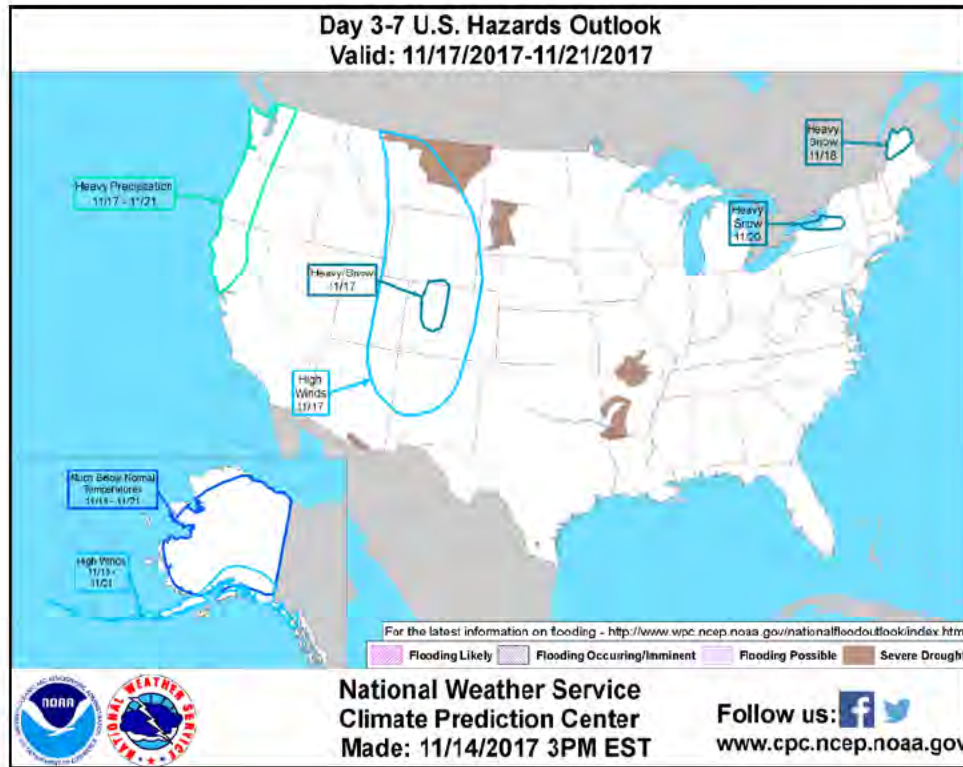
Rain and heavy mountain snow are expected for the West Coast from the Pacific Northwest southward to the Los Angeles Basin. Precipitation will spread eastward through the Intermountain West and much of the Rockies in the form of valley rain and mountain snow. Snowfall is expected to be heavy across the higher elevations of Idaho and Wyoming. Precipitation will remain as rain for the coastal sections of the Northeast. Rain and thunderstorms are possible for eastern Texas and the lower Mississippi River Valley. There is a chance of rain and thunderstorms across southern Florida as well.



### Weather Hazard Assessment

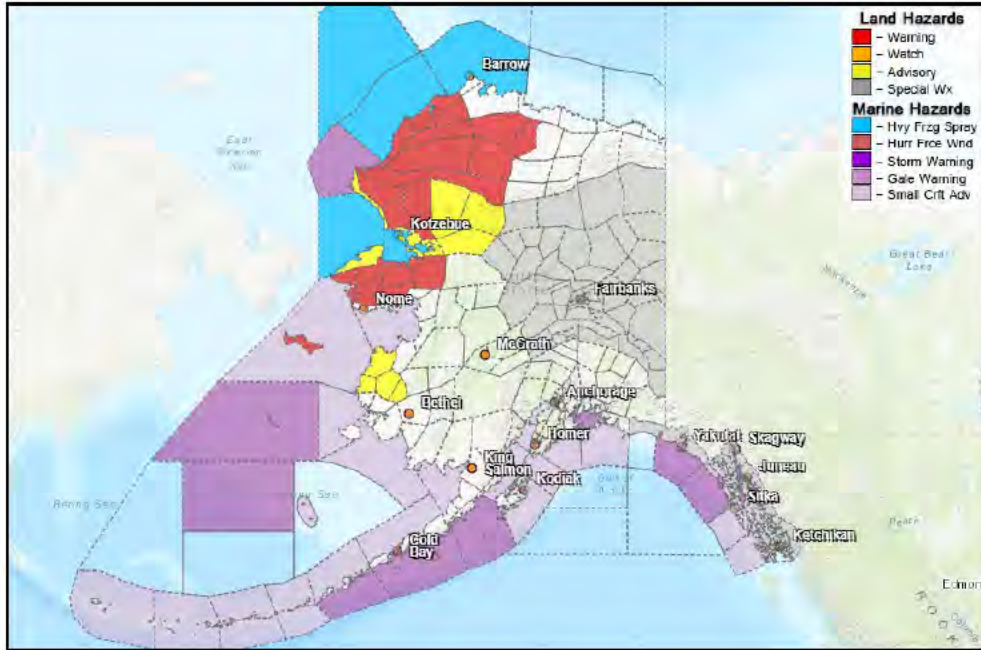
- November 15: Severe drought across parts of the the lower and middle Mississippi Valley, the northern and southern Plains, the northern Rockies, Arizona, and Hawaii.
- November 17: Heavy snow across portions of the central Rockies.
- November 17: High winds across portions of the Great Plains, the Rockies, the Great Basin, and the Southwest.
- November 17-21: Heavy precipitation across portions of California, the Pacific Northwest, and the northern Great Basin.
- November 18: Heavy snow across portions of northern Maine.

- November 18-21: High winds across portions of southern mainland Alaska, the Aleutians, and parts of the Alaska Panhandle.
- November 19-21: Much below-normal temperatures across portions of the Alaska Panhandle and mainland Alaska.
- November 20: Heavy lake-effect snow across parts of New York.

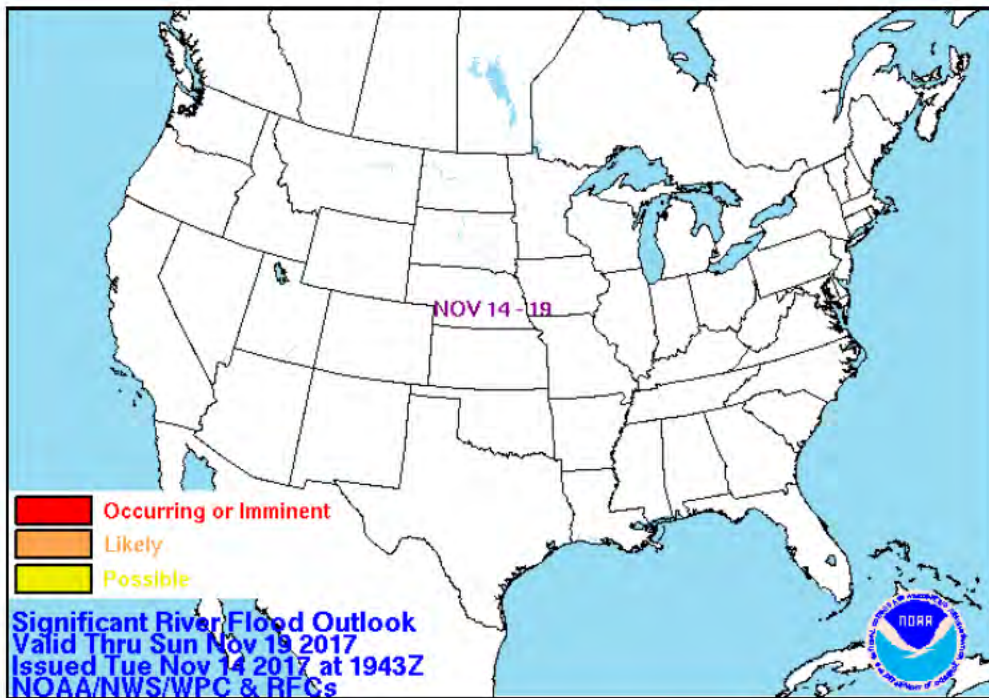


## Alaska Weather

Winter Storm Warnings and Winter Weather Advisories are in effect for portions of northwestern and west-central Alaska. A High Wind Warning is in effect for St. Lawrence Island, and a Heavy Freezing Spray Warning is in effect along the coast of northwestern Alaska. Gale Warnings and/or Small Craft Advisories are in effect for the Gulf of Alaska, the Aleutian Islands, the Bering Sea, and Alaska's southwestern coast. A Special Weather Statement has been issued for portions of central and eastern Alaska for heavy snow through Friday afternoon.



**Significant River Flooding**



Significant River Flooding is occurring or imminent in parts of west-central Washington.

**Severe Weather**

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a two-percent chance of tornado activity in all areas of the U.S. today.

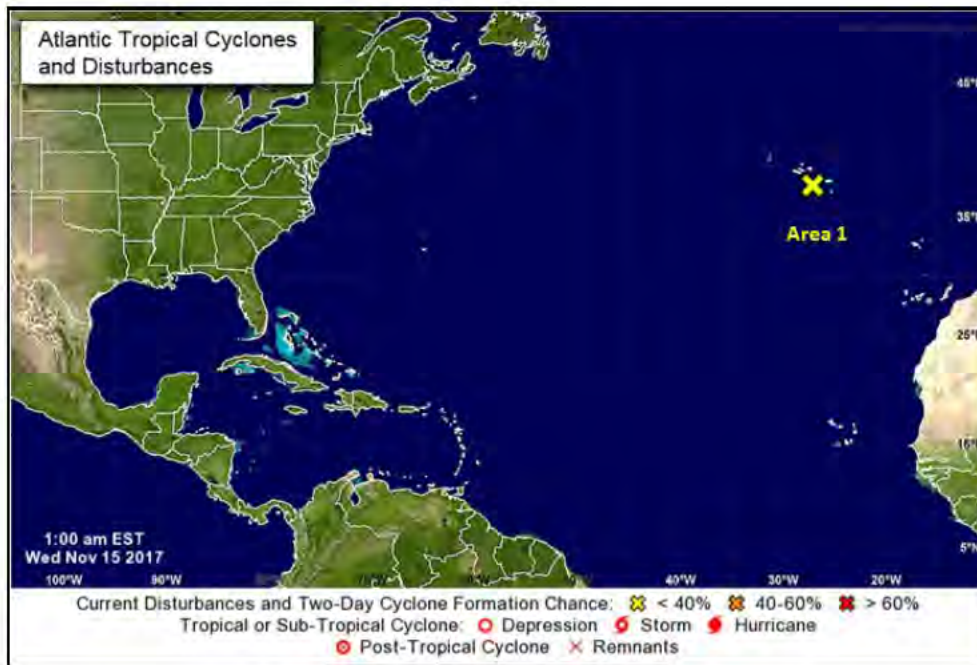
## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

## Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – November 15, 2017

### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Area 1:** A broad area of low pressure is moving northeastward at 15 to 20 miles per hour (mph) across the central and eastern Azores. Although environmental conditions are becoming unfavorable for the formation of a subtropical cyclone, locally heavy rainfall and gusty winds to near gale force will be possible in the eastern and central Azores this morning. This system has a 30-percent chance of developing into a tropical cyclone during the next 48 hours.

*\*End of Report\**

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## **Volcano Activity**

**Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 15, 2017*

Alert Level = WATCH  
Color Code = ORANGE

Unrest continues at the Cleveland Volcano. Elevated surface temperatures and a possible steam plume were visible at the volcano's summit in satellite data, but no significant eruptive activity was detected by seismic or infrasound sensors over the past 24 hours.

## Kilauea Volcano, HI

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 15, 2017

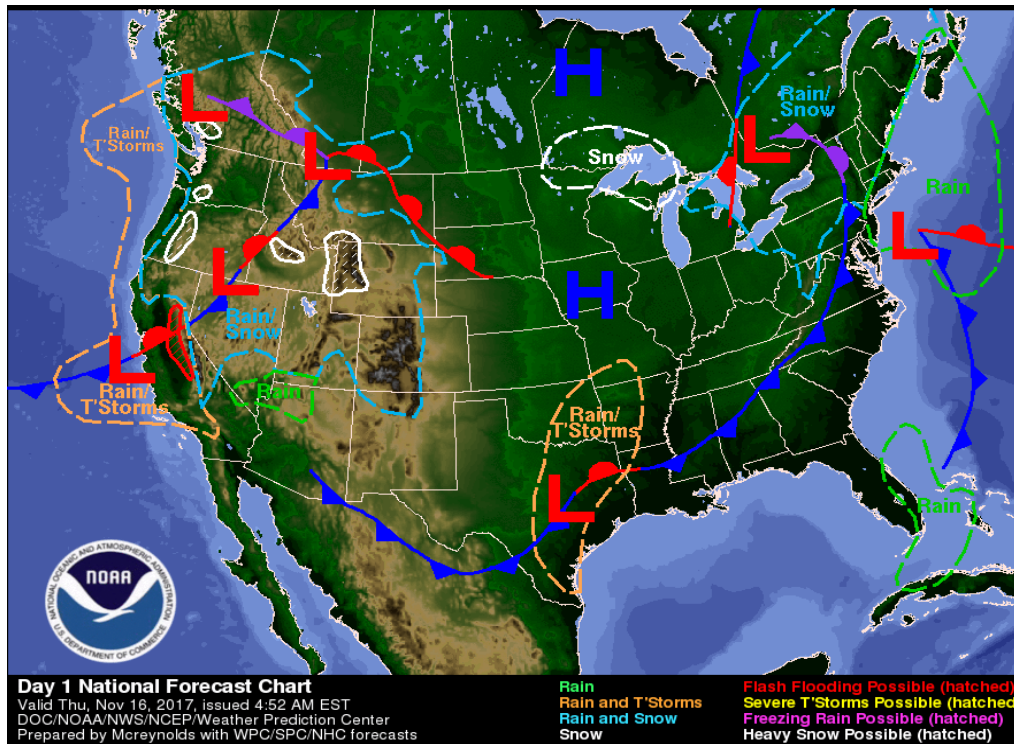
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to produce scattered surface flow activity on the pali and the coastal plain. These lava flows are posing no threat to nearby communities. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## ***Significant National Weather***

Source: National Weather Service - November 16, 2017



## Today

A strong storm system will push windy and wintry conditions into the northern Rockies while the weather remains active throughout much of the West Coast. Flood and Flash Flood Watches are in effect today for portions of central California, where rainfall totals of 2-4 inches are expected. Winter Storm Warnings are in place today and tomorrow for high elevation snows up to 1-2 feet in central and northern California, southern Oregon, Idaho, and western Wyoming. Windy conditions are expected today and tomorrow across central California, Nevada, central Wyoming, southern Colorado, and northern New Mexico. High wind warnings and watches are

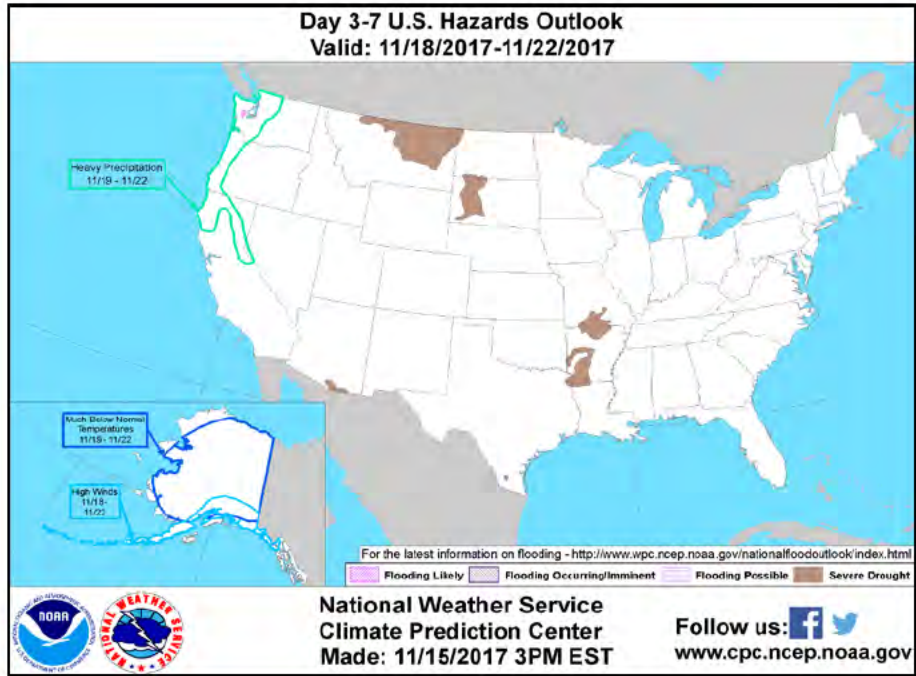
in place across these areas as wind gusts of 55-65 mph are expected. A low pressure system centered over the northern Great Lakes and associated cold front stretching across the Northeast, the mid-Atlantic, and the Southeast, will impact weather conditions across much of the eastern third of the U.S. A rain and snow mix is possible for the Great Lakes, the northern interior of sections of New England, eastern Ohio, and western Pennsylvania. No significant snow accumulation is expected across these areas. There is chance of rain for coastal sections of the Northeast, the mid-Atlantic, and the central and southern Appalachians. On the southern end of this front, rain is possible across eastern Texas.

### **Tomorrow**

Valley rain and mountain snow will spread from the intermountain West and into the northern Rockies. Snow is expected to be heavy across the Blue Mountains in Oregon, the Bitterroots in Idaho, and the Absaroka Mountains in Wyoming. Precipitation will continue for much of the West Coast from central California northward through the Pacific Northwest. Heavy snow is expected for the Sierras and the Cascades. The chance for heavy rain will continue the flooding threat for the interior valleys of central California. A low pressure system centered over central Canada will bring the chance of a rain and snow mix to the upper Midwest and the western Great Lakes. Precipitation behind the low pressure system impacting the East Coast will bring the chance of a rain and snow mix to interior sections of New England southward through the central Appalachians. This precipitation will be rain over coastal New England. A warm front pushing north of the central Plains will bring the chance of rain and thunderstorms to eastern Texas and the mid-Mississippi River Valley. There will also be a chance of rain and thunderstorms across southern Florida.

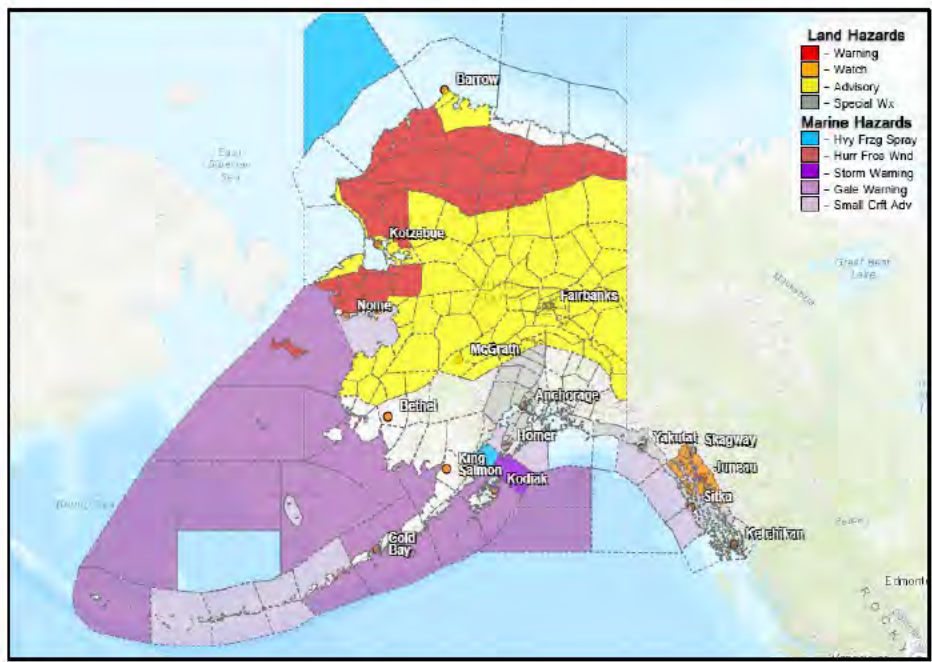
### **Weather Hazard Assessment**

- November 18-22: High winds across portions of the Alaska Panhandle, southern mainland Alaska, and the Aleutians.
- November 19-22: Heavy precipitation across portions of California, the Great Basin, and the Pacific Northwest.
- November 19-22: Much below-normal temperatures across much of mainland Alaska.

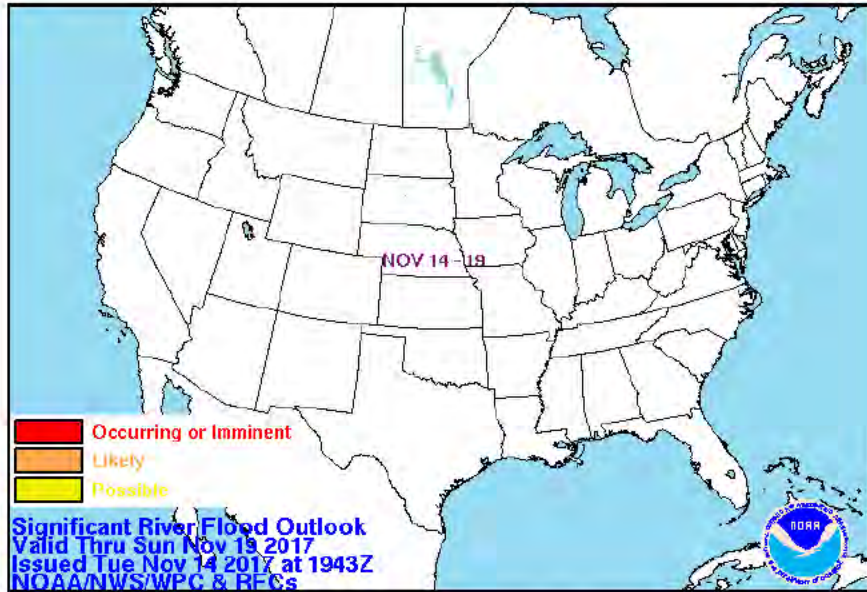


## Alaska Weather

Winter Storm Warnings and Winter Weather Advisories are in effect for large portions of the Alaskan interior to the North Slope. A High Wind Warning is in effect for St. Lawrence Island, and a Heavy Freezing Spray Warning is in effect along the coast of northwestern Alaska. Gale Warnings and Small Craft Advisories are in effect for the Gulf of Alaska, the Aleutian Islands, Norton Sound, and the Bering Sea. A Special Weather Statement has been issued for portions of southern Alaska for heavy snow through Friday.



## Significant River Flooding



Significant River Flooding is occurring or imminent in parts of west-central Washington.

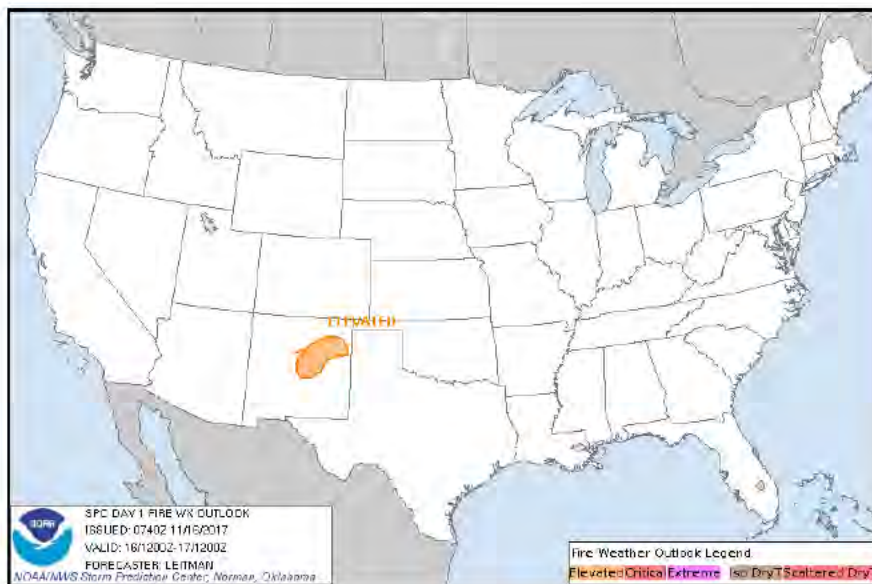
## Severe Weather

There is no severe thunderstorm activity forecast for today across the U.S.

## Tornado Weather

There is less than a two-percent chance of tornado activity in all areas of the U.S. today.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for portions of central New Mexico due to dry fuels and low humidity.

### **Tropical Weather Activity**

*Source: National Weather Service/National Hurricane Center – November 16, 2017*

#### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

There is no tropical cyclone activity expected during the next 48 hours.

#### **Eastern Pacific Ocean**

There is no tropical cyclone activity expected during the next 48 hours.

***\*End of Report\****

#### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials\*

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EST, Friday, November 17, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **DOI Emergency Management Daily Feedback Request**

*Source: Office of Emergency Management (OEM) – November 8, 2017*

In order to realign the Emergency Management Daily Situation Report with our customer's needs, OEM requests your participation in a short survey. Our goal is to facilitate information sharing and collaboration throughout the Department, as well as with our federal partners. We want to create a daily document that you will find relevant, streamlined, and effective. We need your feedback in order to accomplish this. Please take a few minutes to complete the survey [CLICK HERE](#). We appreciate your efforts to assist us in meeting your needs. The survey will be open from November 6 to 17.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Bulletin Issued on November 9, 2017**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Tropical Weather Response and Recovery**

### **DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery Efforts**

#### **Emergency Support Function (ESF) #10 (Oil and Hazardous Materials)**

- ESF #10 - Office of Environmental Policy and Compliance (OEPC):

OEPC, USFWS, and NPS continue to coordinate with the U.S. Coast Guard (USCG) pertaining to the removal of ships on DOI lands in the U.S. Virgin Islands and Puerto Rico. The USFWS also continues to support ESF #10 in Puerto Rico under a Pollution Removal Funding Authorization (PRFA), providing the best management practices and technical assistance to USCG operations. As of November 13, the USCG reported that the unified effort has identified 338 vessels in need of assistance, placed assistance stickers on 230 vessels, closed 103 cases, made contact with 98 owners, and responded to 26 reports of vessel pollution.

### **Emergency Support Function (ESF) #11 (Agriculture and Natural Resources)**

- **ESF #11 OEPC:**

In Puerto Rico, the Interagency team of National Park Service (NPS), the National Archives and Records Administration (NARA), and Smithsonian personnel is deployed under a FEMA Mission Assignment (MA) to provide assistance to the Institute of Puerto Rican Culture and the General Archives. The team performed damage assessments of archival collections, and provided technical assistance on salvaging damaged items and mitigating further damage. The team is scheduled to return on November 18, though additional deployments under this MA may be forthcoming after the Thanksgiving holiday.

Additionally, a FEMA MA was assigned to provide assistance to the State Historic Preservation Office (SHPO) of Puerto Rico. A team will be deployed to assist the SHPO with damage assessments of both National Register Properties and those eligible for the Register. This team is scheduled for a November 27 deployment.

### **Natural and Cultural Resources Recovery Support Function (NCR RSF)**

- **NCR RSF - OEPC**

OEPC Field Coordinators deployed for Hurricane Harvey under FEMA MAs at Joint Field Offices (JFOs) in Texas and Florida have completed the Draft Mission Scoping Assessments (MSA) for both States.

OEPC Field Coordinators from the Bureaus have been identified to support NCR RSF operations in both Puerto Rico (FWS) and U.S. Virgin Islands (NPS). Field Coordinators are working remotely to begin to impact assessments to the islands in preparation of eventual deployment to the JFOs.



## **DOI Bureau and Office Reporting Response and Recovery Efforts for Irma and Maria:**

### **National Park Service (NPS)**

*Source: National Park Service (NPS) – November 13, 2017*

On Monday, November 13, the National Park Service announced that it has reopened the Honeymoon and Hawksnest beaches within the Virgin Islands National Park. After suffering significant impacts from Hurricanes Irma and Maria in September, both beaches required a lot of work to remove debris and clear access for beachgoers.

More than 170 cubic yards of debris were removed from Honeymoon Beach, while more than 200 cubic yards were removed from Hawksnest Beach. The four commercial buoys used by boats transporting cruise ship passengers have been safely assessed and returned to their proper positions. Public mooring buoys used as warning points for ships will be assessed as soon as possible. NPS Dive teams inspected for and removed underwater debris for the NPS portion of Hawksnest Beach. The eastern portion of the beach remains closed until debris removal is accomplished.

### **Volcano Activity**

#### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – November 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. Elevated surface temperatures and a possible steam plume were visible at the volcano's summit in satellite data, but no significant eruptive activity was detected by seismic or infrasound sensors over the past 24 hours.

#### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – November 16, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on the volcano's East Rift Zone. The episode 61g lava flow continues to produce scattered surface flow activity on the pali and the coastal plain. These lava flows are posing no threat to nearby communities. There have been no significant changes in ground deformation or seismicity rates across the volcano.

## **Significant National Weather**

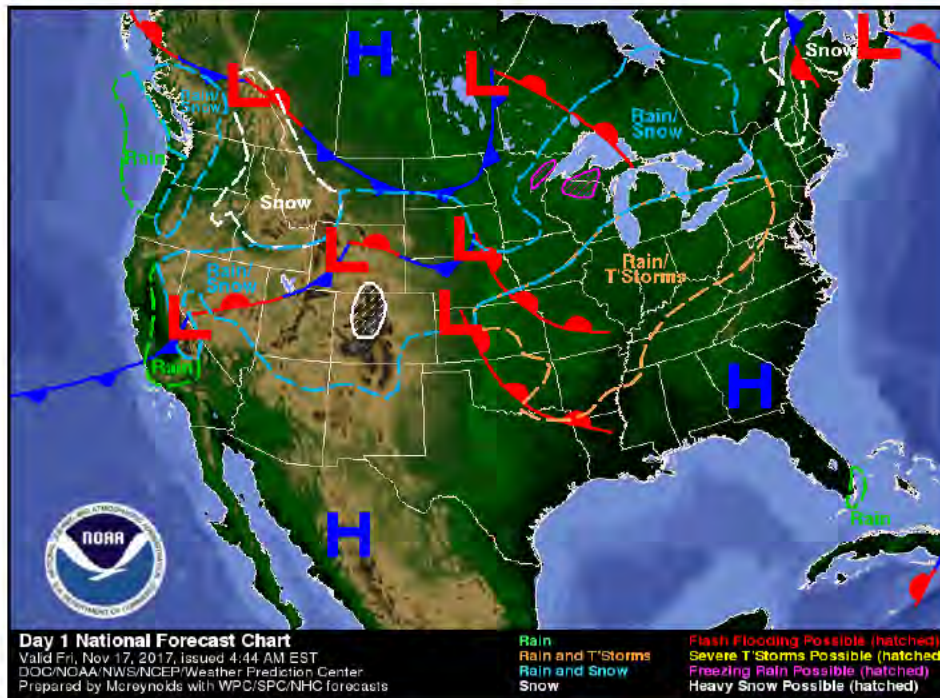
*Source: National Weather Service - November 17, 2017*

### **Today**

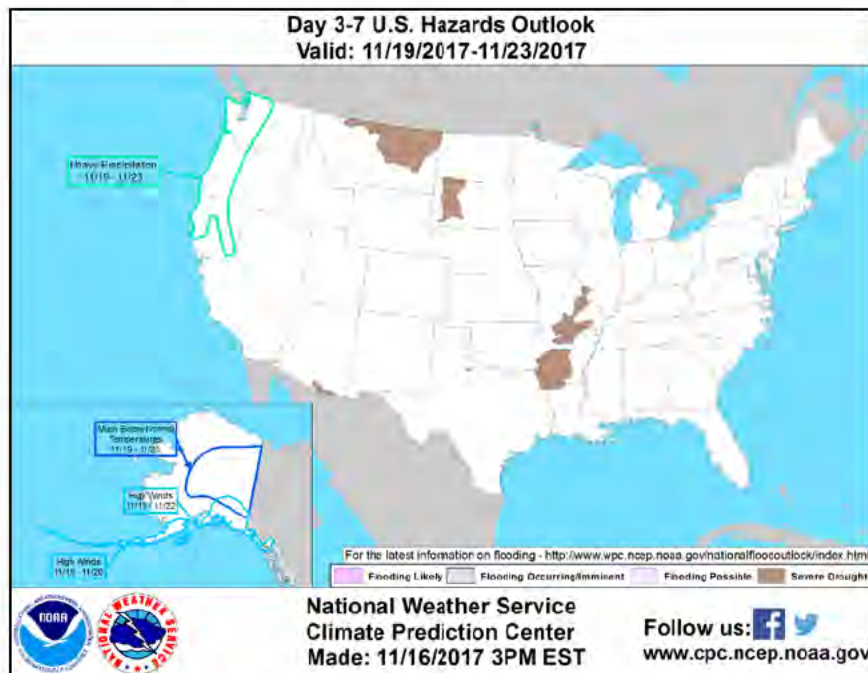
An area of high pressure centered over Georgia will help produce cool dry weather from southern New England to the Southeast, most of Florida, and the South. A few rain showers will be possible for far southern Florida and snow showers are expected across northern New England. Rain and thunderstorms will develop from the central Plains and mid-Mississippi Valley to the southern Great Lakes and the Northeast. A large area of widespread rain and snow can be expected from the Sierras and the Great Basin across the Rockies and central Plains into the upper Midwest and Great Lakes. A few areas of freezing rain will be possible for far northeastern Minnesota, northern Wisconsin and the Upper Peninsula of Michigan. Heavy snow is forecast for the Colorado Rockies and rain is likely for the San Joaquin Valley, central California, and portions of the coastal regions of Washington and Oregon.

### **Tomorrow**

Rain and thunderstorms are expected from the western Gulf of Mexico across the Deep South into the Tennessee and Ohio valleys. A few strong to severe storms with a marginal risk for strong to damaging wind gusts will be possible mainly over the Ohio and Tennessee valleys. Rain is expected along the East Coast and across northern Florida. Rain and snow will develop across portions of the upper Midwest, Great Lakes, the central Appalachians, the Northeast, and northern New England. Freezing rain is possible for parts of upstate New York, and northern New England. Snow is possible for far northeastern Minnesota and western Lake Superior. Rain is likely across northern Missouri and southern Iowa.



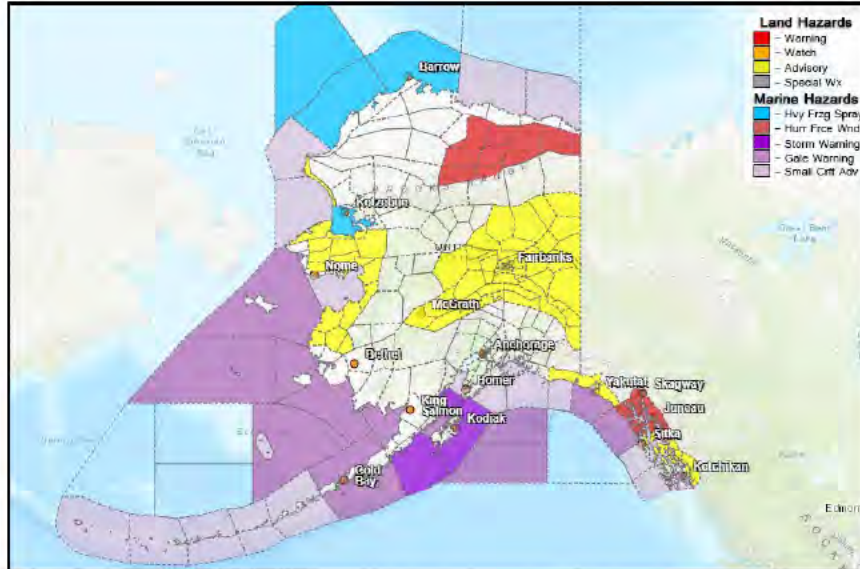
## Weather Hazard Assessment



- November 19-20: High winds for the Aleutians and Alaska Peninsula.
- November 19-22: High winds for southeast mainland Alaska and the Alaska Panhandle.
- November 19-23: Heavy precipitation across parts of northern California and the Pacific Northwest.
- November 19-23: Much below-normal temperatures across eastern mainland Alaska.

### Alaska Weather

Winter Storm Warnings are in effect for a portion of the eastern Brooks Range and from Skagway to Sitka. Winter Weather Advisories are in effect for large portions of the Alaskan interior to the Canada border, Yakutat to Yakutat Airport, and from Sitka to Ketchikan. Heavy Freezing Spray Warning is in effect for the western U.S. Arctic, Kotzebue Sound and Cape Beaufort to Cape Halkett. Gale Warnings are in effect for the Bering Sea coastal areas and open waters, Gulf of Alaska coastal and open waters, and the Alaska Peninsula. Small Craft Advisories are in effect in the Aleutians, Cape Clear to Cape Decision, Norton Sound, Cape Thompson to Wales and Cape Halkett to Demarcation Point. High Surf Advisories are in effect for coastal areas around Norton and Kotzebue Sounds.



**Significant River Flooding**

There is no Significant River Flooding forecast for today across the U.S.

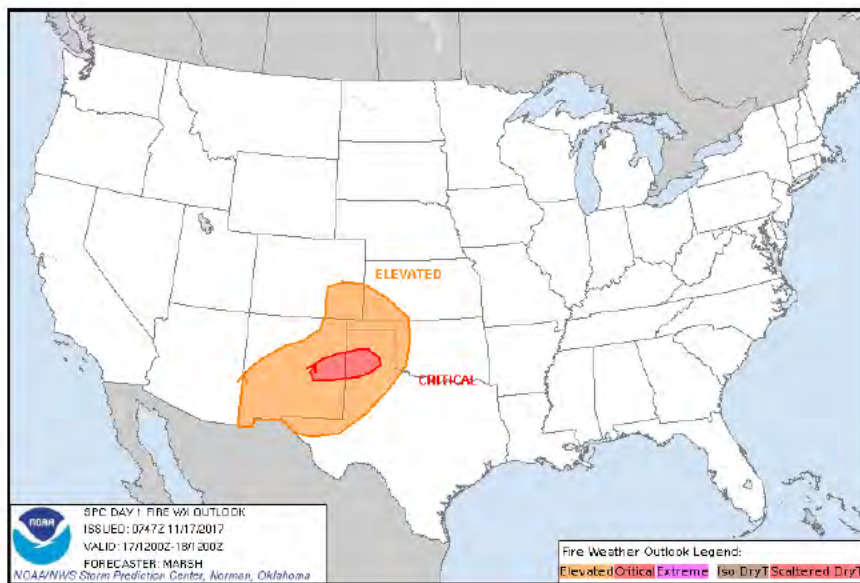
**Severe Weather**

There is no severe thunderstorm activity forecast for today across the U.S.

**Tornado Weather**

There is less than a two-percent chance of tornado activity in all areas of the U.S. today.

**Fire Weather**

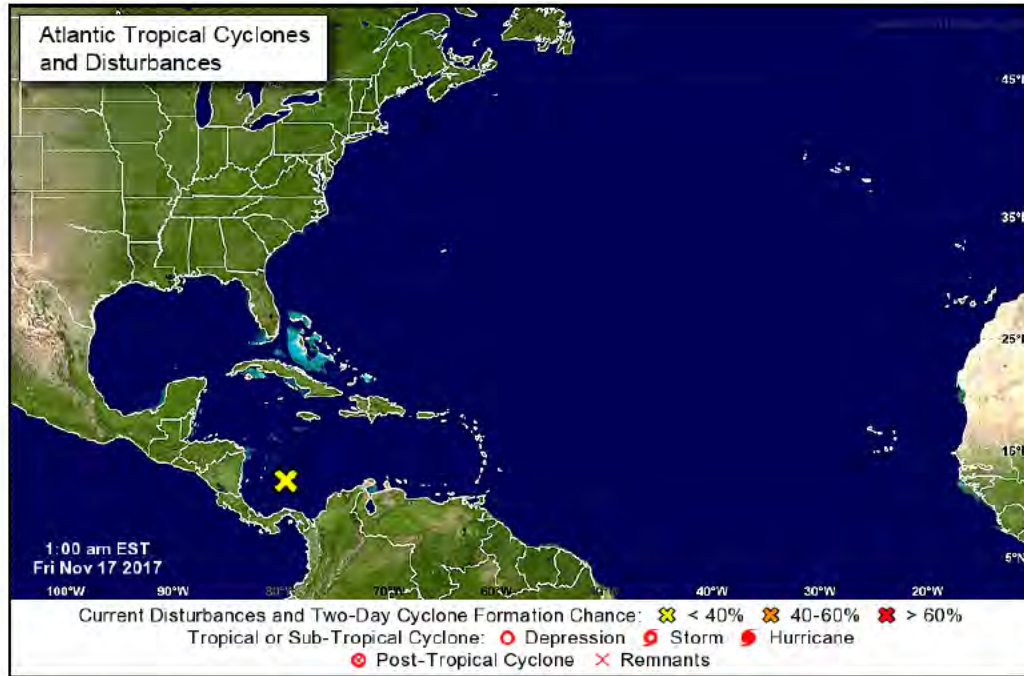


There is Critical Fire Weather forecast for today from east-central New Mexico into the central Texas Panhandle. There is Elevated Fire Weather forecast for an area enveloping the Critical area extending from western Texas into the southern Plains.

### Tropical Weather Activity

Source: National Weather Service/National Hurricane Center – November 17, 2017

#### Atlantic Ocean/Caribbean Sea/Gulf of Mexico



**Area 1:** An elongated area of low pressure extends from southwest to northeast across the southwestern and central Caribbean Sea. This system continues to produce widespread shower and thunderstorm activity. However, strong upper-level winds are expected to prevent significant development. Regardless of development, heavy rainfall is possible over portions of the northwestern coast of Colombia, Hispaniola, and Puerto Rico during the next few days while the low meanders over the central Caribbean Sea and interacts with an upper-level trough. This system has a 20-percent chance of becoming a tropical cyclone in the next 48 hours.

#### Eastern Pacific Ocean

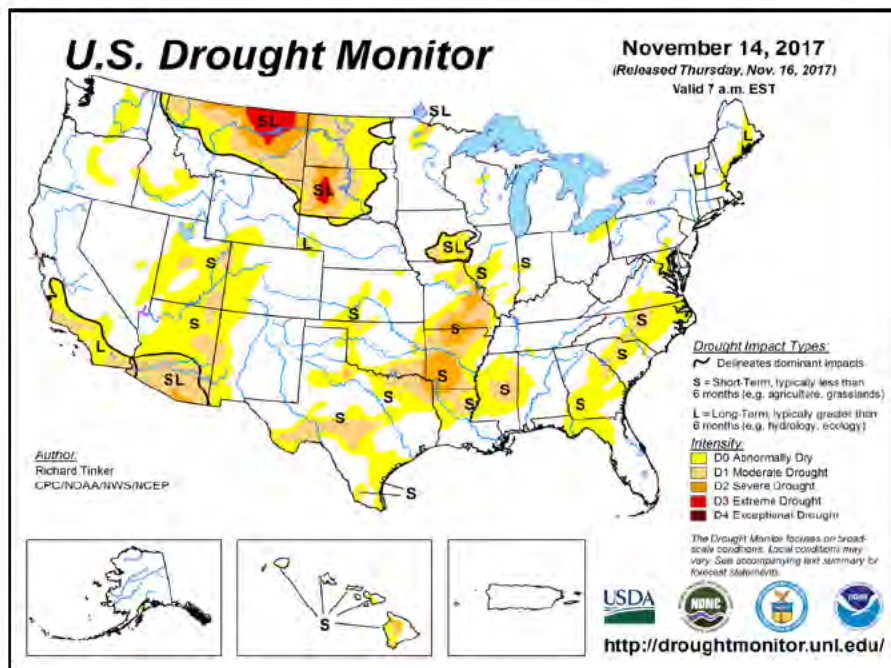
There is no tropical cyclone activity expected during the next 48 hours.

## Other News and Notes

### **U.S. Drought Monitor**

*Source: National Drought Mitigation Center - November 16, 2017*

It was a dry week for the Nation as a whole. Widespread heavy precipitation was restricted to the central and northern West Coast from the Cascades and northern Sierra Nevada westward. A few patches near the coast recorded 6 to 12 inches of precipitation. Across the remainder of the contiguous states, only a few small areas reported over 1.5 inches, with most locations observing little or none. As a result, short-term dryness continued to develop and expand across the south-central and southeastern U.S. as 30 to 90-day precipitation deficits continued to steadily increase, overcoming the wet weather that had squelched dryness impacts in much of these regions several months ago.



*\*End of Report\**

#### **Distribution:**

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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, October 10, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## **Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 2**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 3 (Enhanced Operations)**

## **Tropical Weather Response and Recovery**

### **General Situation**

*Source: National Weather Service – October 10, 2017*

Response operations continue in Puerto Rico, the U.S. Virgin Islands, and the continental U.S. as a result of Hurricane Maria, Hurricane Irma, and Hurricane Harvey. The National Weather Service (NWS) forecasts showers and thunderstorms mainly across portions of eastern Puerto Rico and the U.S. Virgin Islands. There will be several showers over the next 24 hours, especially in the afternoon hours. These storms are capable of heavy rainfall and cloud to ground lightning. There is a continued threat of flooding and landslides. A Flash Flood Watch has been issued for portions of Puerto Rico and the U.S. Virgin Islands. Rainfall amounts of 2 to 4 inches, with locally higher amounts, will be possible.

### **DOI Response and Recovery Efforts as of Personnel Numbers as of October 10, 2017**

There are a total of 128 DOI Personnel supporting Federal Emergency Management Agency (FEMA) Interagency response and recovery missions. An additional 69 personnel are deployed in support of DOI led response and recovery efforts in Puerto Rico and the U.S. Virgin Islands. There are 265 DOI personnel that remain at their home station in Puerto Rico or the U.S. Virgin Islands.

Personnel Supporting FEMA Interagency Response and Recovery Efforts As of October 5, 2017 at 10:00 p.m. EDT														
Function	Location	BIA	BLM	BOEM	BSEE	FWS	NPS	OEPC	OIG	OS	USGS	USPP	ONRR	Total
ESF-1 Transportation	CONUS													0
	PR					1								1
	USVI					1								1
ESF-4 Firefighting	CONUS		1											1
	PR	3	13			6	8							30
	USVI		7				1							8
ESF-5 Emergency Management	CONUS									2	5			7
	PR										2			2
	USVI													0
ESF-8 Public Health & Medical Services	CONUS						2							2
	PR													0
	USVI													0
ESF-10 Oil & Hazardous Materials	CONUS							1						1
	PR													0
	USVI													0
ESF-11 Agriculture & Natural Resources	CONUS							1						1
	PR													0
	USVI													0
ESF-13 Public Safety & Security	CONUS													0
	PR	14	13				1		1	3		7		39
	USVI													0
DHS Surge Capacity Force	CONUS		1	2		4	8		1				2	18
	PR		2	1			1		2					6
	USVI		1		1		3				2			7
NCR RSF	CONUS							4						4
	PR													0
	USVI													0
<b>Totals</b>		<b>17</b>	<b>38</b>	<b>3</b>	<b>1</b>	<b>12</b>	<b>24</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>128</b>

**DOI Support to FEMA Interagency Response and Recovery Efforts**

**Emergency Support Function (ESF) #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): Two personnel were in the field yesterday retrieving sensors and flagging high water marks (HWM). One additional USGS staff member is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico.



## **DOI Support to FEMA Surge Capacity Force**

- **Office of Emergency Management (OEM):** Thirty-one employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, Georgia, and Alabama. The OEM is working with FEMA to deploy an additional 13 DOI employees on October 14.

## **Other Federal and State Government Reporting**

### **FEMA National Response Coordination Center Operations Update**

*Source: Federal Emergency Management Agency – October 9, 2017*

Effective 8:00 p.m. EDT, on Tuesday, October 10, the FEMA National Response Coordination Center (NRCC) will transition to an Enhanced Watch during the night shift; however, will maintain Level I operations during the day shift. Both shifts will continue operations out of the Mezzanine floor of FEMA Headquarters with shift changes occurring at 8:00 a.m. EDT and 8:00 p.m. EDT daily until further notice.

Level I staffing (8:00 a.m. to 8:00 p.m. EDT) will consist of the designated National Response Coordination Staff (NRCS) Day Team, all Emergency Support Functions (ESFs), all Liaison Officers (LNOs), and any Crisis Action Planning Teams already in progress. The NRCC will continue to publish the Senior Leadership Briefing once per day, at 5:00 p.m. EDT.

### **Department of Homeland Security (DHS) Situational Update**

*Source: DHS National Operations Center - October 10, 2017*

The following update for Puerto Rico, the U.S. Virgin Islands, and the continental U.S. has been provided by the DHS National Operations Center as of October 10 at 5:00 a.m. EDT:

- *Puerto Rico:* Approximately 15-percent of its population with power and 19-percent of the cell towers are operational. There have been 344 requests for generator pre-installation inspections, and 227 are complete. There are 65 of 67 hospitals open. There are 164 bridges throughout Puerto Rico that have been damaged, 49-percent of these bridges have been inspected by the Puerto Rico Department of Transportation and Public Works personnel, and 17 bridges remain closed. Road repairs are still in progress. The Guajataca Dam spillway continues to be stabilized and evacuations remain in effect. Three U.S. Coast Guard (USCG) Cutters and Custom Border Protection (CBP) aircraft are transporting supplies and materials, and assisting in evacuations.
- *U.S. Virgin Islands:* The first Disaster Recovery Center was established and open to survivors on October 8 in St Croix. Interim support hospitals are being provided on St. Thomas and St. Croix. Approximately 2,060 structures were impacted by wind on St. Croix and 351 of them are assessed as destroyed. A total of 238 structures have been identified as impacted by wind on St. John and 88 of them as destroyed. Environmental Protection Agency (EPA) and the U.S. Virgin Islands Department of Planning and

Natural Resources drinking water teams found 66 of 161 public water systems functional. A territory-wide Boil Water Advisory remains in effect.

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts</b>				
<b>As of October 9, 2017 at 10:00 p.m. EDT</b>				
<b>Location</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	0	0	2	2
St. John	0	0	12	12
St. Thomas	0	0	0	0
Puerto Rico	30	7	42	79
<b>Totals</b>	<b>30</b>	<b>7</b>	<b>56</b>	<b>93</b>

<b>Personnel Stationed and Remaining in Place</b>						
<b>As of October 9, 2017 at 10:00 p.m. EDT</b>						
<b>B/O</b>	<b>BSEE</b>	<b>OS</b>	<b>USFWS</b>	<b>USGS</b>	<b>NPS</b>	<b>Totals</b>
St. Croix	1	0	3	0	17	21
St. John	0	0	0	0	34	34
St. Thomas	0	0	0	0	0	0
Puerto Rico	1	1	58	30	96	186
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>61</b>	<b>30</b>	<b>147</b>	<b>241</b>

**DOI Bureau and Office Reporting:**

**United States Geological Survey - Maria and Irma Update**

*Source: U.S. Geological Survey (USGS)– October 9, 2017*

The USGS reports that there are 37 personnel on Puerto Rico, and all personnel are accounted for. The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed and will remain closed until further notice. Yesterday, 15 personnel were performing gage damage assessments and repairs. The USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the National Weather Service (NWS) to prioritize gages for assessment and repair as resources allow. A total of 70 surface water, groundwater, and precipitation gages have been knocked offline; however, 37 gages have been repaired. Nine of the gages have been totally destroyed and at least nine gages will require a secondary visit to assess the scope of repairs needed.

A webcam has been installed to monitor the Lago Guajataca spillway. One minute snapshots are available at: <https://pr.water.usgs.gov/Guajataca/> (**For Official Use ONLY -- do not publicly distribute**) and USGS is currently working on a Very Small Aperture Terminal (VSAT) for a live feed.

The USGS has a coordinated information and data website at: <https://www.usgs.gov/maria>.

## **Harvey Recovery and Response Efforts**

### **DOI Support to FEMA Interagency Response and Recovery Efforts**

#### **ESF #5 (Information and Planning)**

- **ESF #5 - U.S. Geological Survey (USGS):** In Texas, five USGS personnel performed high water mark flagging, surveying, and conducted data analysis yesterday under MA-4332DR-TX-USGS-01. The USGS also has a coordinated information and data website at: <https://www.usgs.gov/harvey>.

## **Post-Tropical Cyclone Nate - Caribbean Sea**

### **General Situation**

*Source: National Weather Service/National Hurricane Center – October 9, 2017*

On October 9, at 11:00 a.m. EDT, the National Hurricane Center reported its last advisory for Post-Tropical Cyclone Nate. Nate brought moderate to heavy rain and gusty winds to much of the Northeast yesterday. Nate is expected to continue weakening further as it tracks northeastward through the northeastern U.S.

### **DOI Bureau Reports**

#### **BSEE Response to Nate**

*Source: Bureau of Safety and Environmental Enforcement Press Release (BSEE)– October 9, 2017*

The BSEE reported that all staff are accounted for and that all land-based facilities will be open at regularly scheduled hours today.

Offshore oil and gas operators in the Gulf of Mexico are beginning to re-board platforms and rigs following Nate. The BSEE Hurricane Response Team is monitoring the operator's' activities and the team will continue to work with offshore operators and other state and federal agencies until Gulf of Mexico oil and gas operations return to normal.

Based on data from offshore operator reports submitted as of 12:30 p.m. EDT, Sunday, personnel remain evacuated from a total of 142 production platforms, which is 19.27-percent of the 737 manned platforms in the Gulf of Mexico. Production platforms are the structures located offshore from which oil and natural gas are produced. Unlike drilling rigs, which typically move from location to location, production facilities remain in the same location throughout a project's duration.

Personnel also remain evacuated from eight drilling rigs (non-dynamically positioned (DP) rigs), equivalent to 40-percent of the 20 rigs of this type currently operating in the Gulf. Rigs can include several types of offshore drilling facilities including jack-up rigs, platform rigs, all submersibles and moored semisubmersibles.

Seven DP rigs are still off location out of the hurricane's path as a precaution. This number represents 38.9-percent of the 18 DP rigs currently operating in the Gulf. DP rigs maintain their location while conducting well operations by using thrusters and propellers, the rigs are not moored to the seafloor; therefore, they can move off location in a relatively short time. Personnel remain on-board and return to the location once the storm has passed.

As part of any evacuation process, personnel activate the applicable shut-in procedures, which can frequently be accomplished from a remote location. This involves closing the subsurface safety valves located below the surface of the ocean floor to prevent the release of oil or gas. During previous hurricane seasons, the shut-in valves functioned 100-percent of the time, efficiently shutting in production from wells on the Outer Continental Shelf and protecting the marine and coastal environments. Shutting-in oil and gas production is a standard procedure conducted by industry for safety and environmental reasons.

From operator reports, it is estimated that approximately 85.09-percent of the current oil production in the Gulf of Mexico remains shut-in, which equates to 1,489,101 barrels of oil per day. It is also estimated that approximately 64.78-percent of the natural gas production, or 2,085.98 million cubic feet per day in the Gulf of Mexico is shut-in. The production percentages are calculated using information submitted by offshore operators in daily reports. Shut-in production information included in these reports is based on the amount of oil and gas the operator expected to produce that day. The shut-in production figures therefore are estimates, which BSEE compares to historical production reports.

As the storm has passed, operators will continue to re-board and inspect their facilities. Once all standard checks have been completed, production from undamaged facilities will be brought back online immediately. Any facilities sustaining damage may take longer to bring back online. Currently, no damages have been reported. BSEE will continue to update the evacuation and shut-in statistics at 2:00 p.m. EDT, each day as appropriate.

### **Wildland Fire Activity**

#### **Wildfires - Northern California**

*Source: Department of Homeland Security - October 10, 2017*

Several fires are burning across northern California, threatening homes and requiring evacuations throughout the region. There have been reports of 10 fatalities and the Governor of California has declared a State of Emergency for affected counties. The NWS has issued Red Flag Warnings for northern California until 1:00 p.m. EDT today. The Department of Energy reports approximately 35,000 customers without power in the counties affected by the wildfires. The Department of the Interior has the San Pablo Bay National Wildlife Refuge, some BLM Federal Lands, and the Lake Berryessa Lands near by.

# Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – October 10, 2017

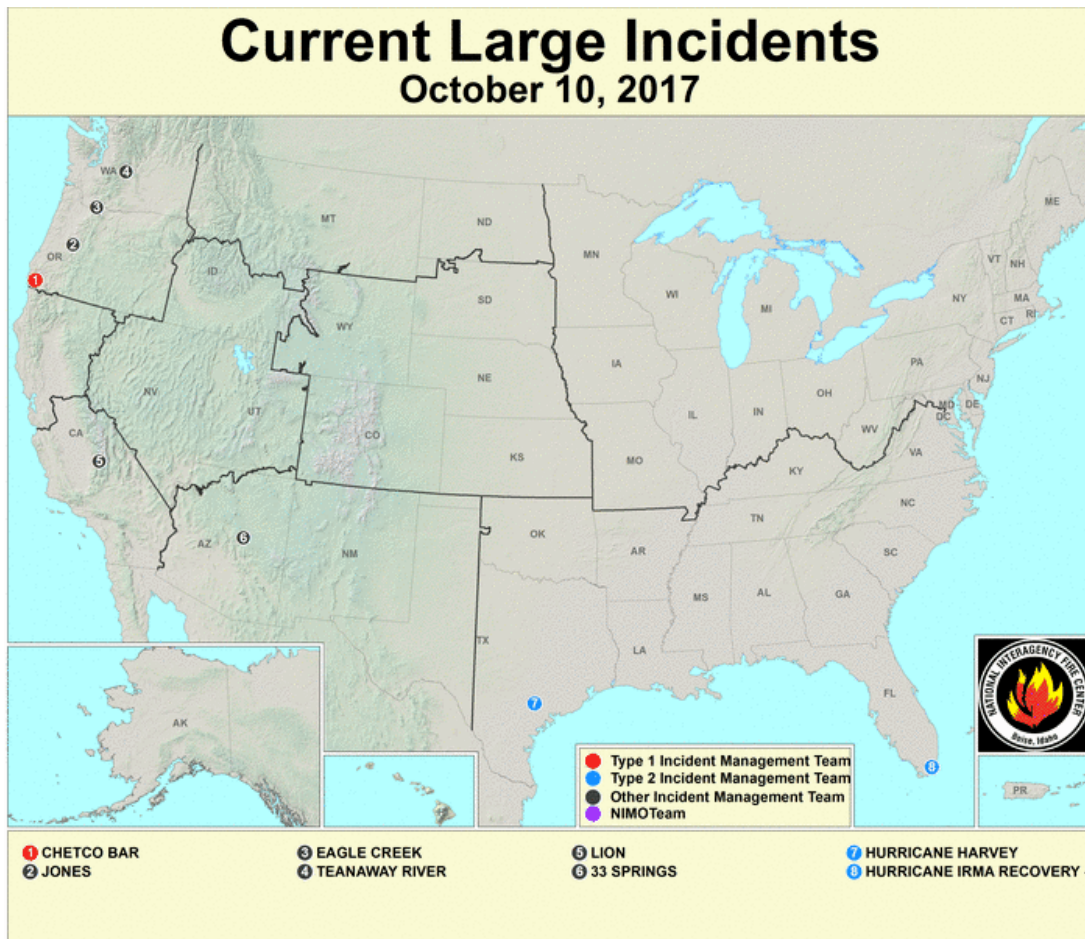
## National Preparedness Level 2

### National Fire Activity

Initial attack activity:	Light (53 new fires)
New large fires:	10
Large fires contained:	0
Uncontained large fires: **	17
Area Command teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	5
Type 2 IMTs committed:	4

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Large Fire Map



## **Volcano Activity**

### **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – October 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Unrest continues at the Cleveland Volcano. Elevated surface temperatures were observed at the summit of the volcano in satellite imagery. No significant activity was observed in partly cloudy web camera views, seismic data, and no explosive activity was detected in infrasound data during this reporting period.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – October 9, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Activity continues at the summit of the Kilauea Volcano and from the Pu‘u ‘Ō‘ō vent on the volcano’s East Rift Zone. Web camera images show lake circulation and spattering and fluctuations in the depth to the lava lake surface during this reporting period. Surface flow activity persists on the upper portion of the flow field and on the pali, with minor breakouts scattered in other areas of the coastal plain. These lava flows pose no threat to nearby communities at this time. Seismicity continues at low rates, with fluctuations in tremor amplitudes related to lava lake spattering.

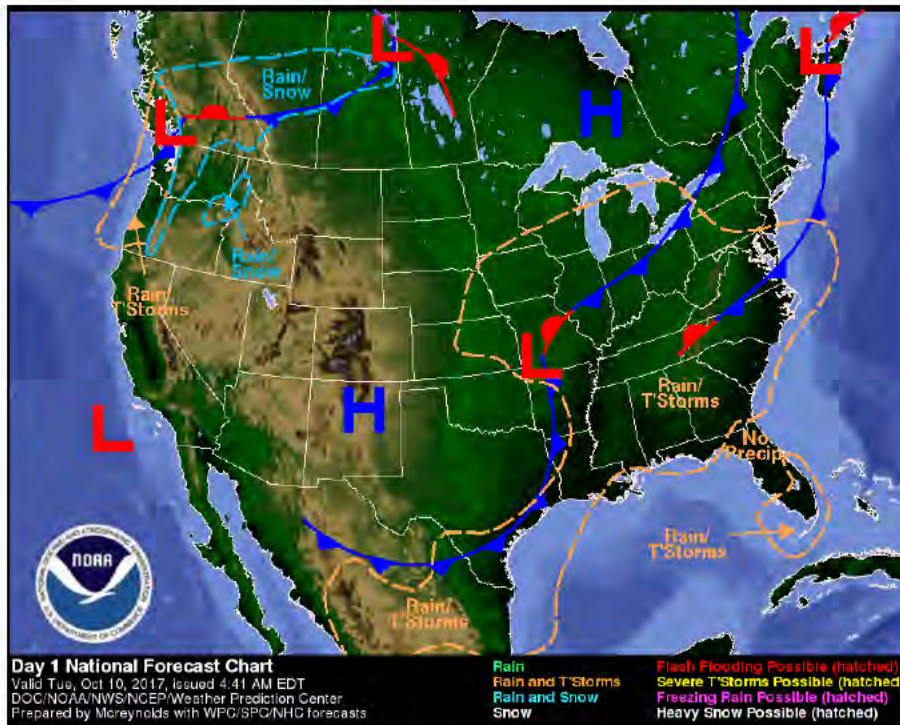
## **Earthquake Activity**

*Source: U.S. Geological Survey – October 10, 2017*

The United States Geological Survey (USGS) reported that a magnitude 6.3 earthquake occurred this morning at 2:32 a.m. EDT, at a depth of 51 miles, approximately 45 miles east of Arica, Chile. The USGS issued a Green PAGER alert indicating a low likelihood of casualties and damage. There was no tsunami watch or warning issued as a result of this event.

## Significant National Weather

Source: National Weather Service - October 10, 2017



### **Today**

Showers and thunderstorms are forecasted for the upper Mississippi Valley and may extend into the southeastern United States or into the mid-Atlantic. Severe thunderstorms are possible across portions of the middle Mississippi Valley and lower Ohio Valley. A broad area of 1 to 2 inches of rain is expected from far eastern Iowa into sections of northern and central Illinois with flash flooding possible. A system from the Pacific is expected to move through the Pacific Northwest today. Coastal areas of Oregon and Washington are expecting rain, and a wintry mix will be possible for the high terrain of the Cascades. Elevated fire weather conditions exist today across Southern California. Wind conditions are expected to improve today, but very low humidity will continue. Red flag warnings have been issued for much of the region.

### **Tomorrow**

A low pressure system and its fronts continue moving east into the Midwest, extending precipitation from the Gulf Coast of the Southeastern U.S. into portions of the Northeast. Showers and thunderstorms are expected across this region. The heavier rainfall is expected across central Pennsylvania and along the DELMARVA coastal region with maximums around 1 inch of rainfall possible. Rain and a high elevation wintry mix continues for the Pacific Northwest. As this system moves inland, similar conditions will be expected from the Intermountain West to central Montana.

## Weather Hazard Assessment

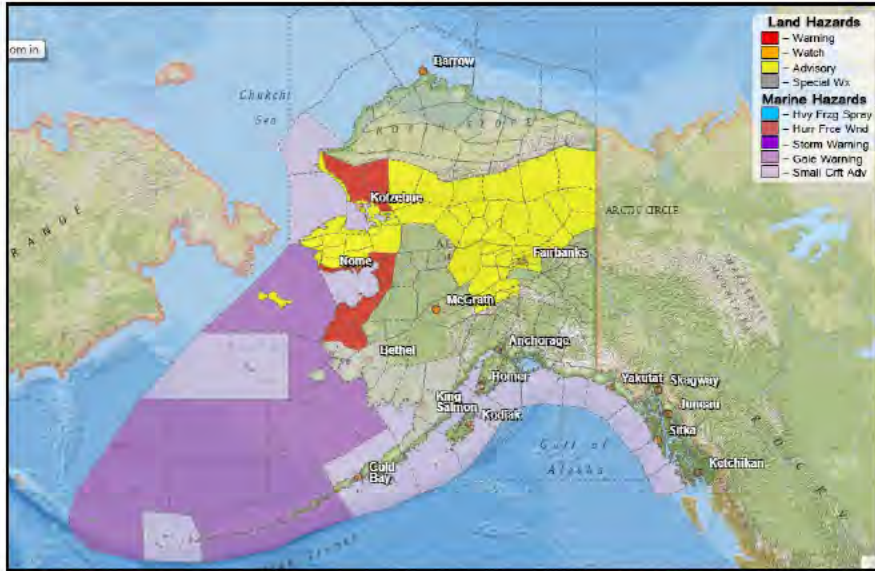


- October 12-14: Much below-normal temperatures for parts of the western U.S.
- October 13-14: High winds for the Aleutians and the Alaska Peninsula.
- October 13-14: High significant wave heights for the Aleutians and the Alaska Peninsula.
- October 14: Heavy rain for parts of the central Great Plains, upper Mississippi Valley, and the Great Lakes.
- October 17-21: Periods of heavy rain for the coastal Pacific Northwest.
- October 17-21: Periods of heavy snow for the Cascades and parts of the northern Rockies.

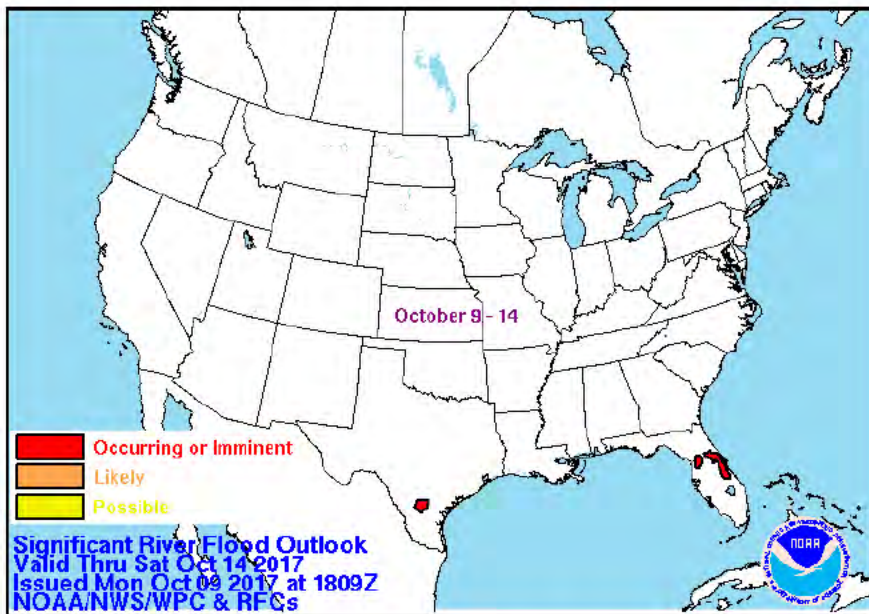
### Alaska Weather

A Small Craft Advisory is in effect for the Gulf of Alaska, from Adak to Kiska in the western Aleutian Islands, Bristol Bay, Cook Inlet, the St. Matthew Island Waters, Norton Sound, Kotzebue Sound, and from Wales to Cape Beaufort. A Gale Warning is in effect for the Bering Sea, Aleutian Islands, and from Dall Point to Wales. A Coastal Flood Warning is in effect for the Yukon Delta, the southern Seward Peninsula Coast, eastern Norton Sound, and Nulato Hills. A Winter Weather Advisory is in effect for the central Interior of Alaska. A High Surf Advisory is in effect for the Chukchi Sea Coast, the Baldwin Peninsula and Selawik Valley, and the northern and Interior Seward Peninsula.





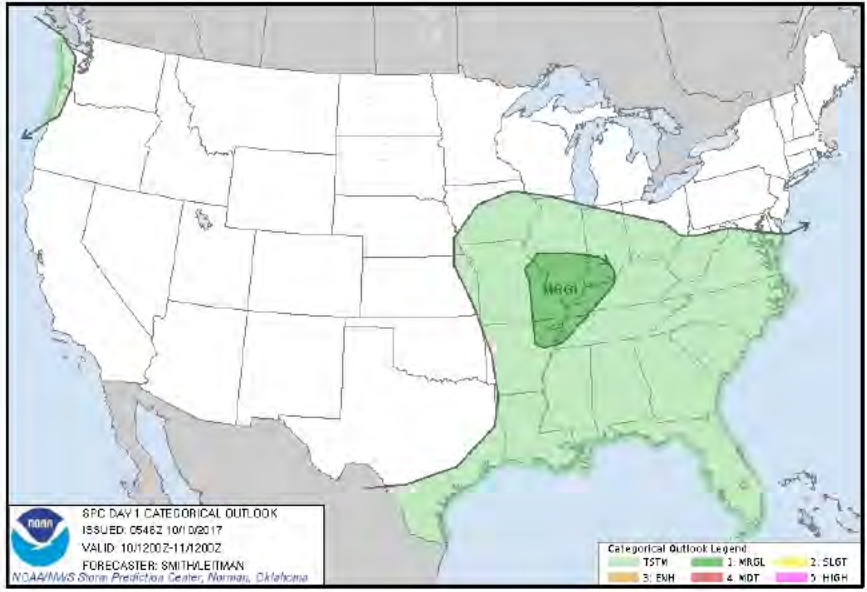
### Significant River Flooding



Significant river flooding is occurring or imminent across portions of central Florida and southern Texas.

### Severe Weather

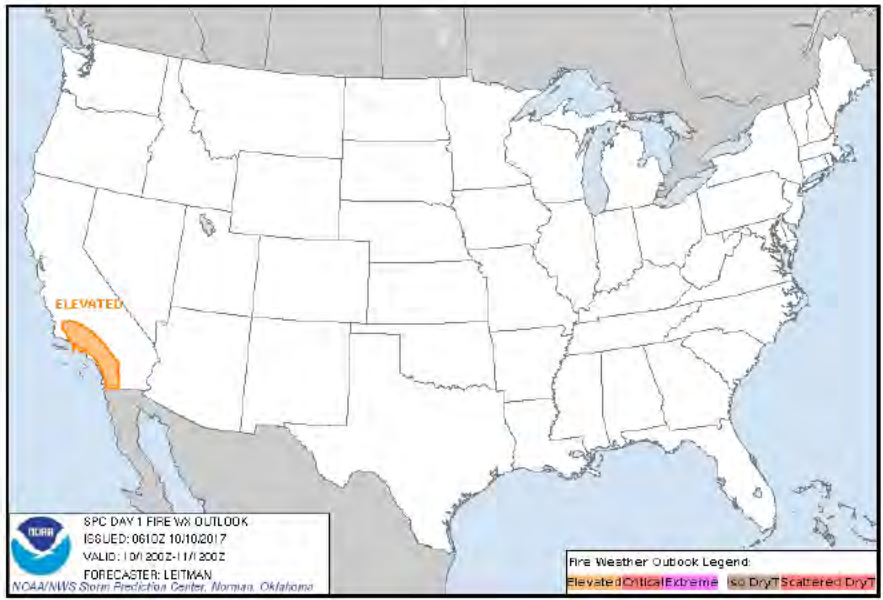
There is a Marginal Risk of severe thunderstorms for portions of the middle Mississippi Valley and lower Ohio Valley.



**Tornado Weather**

There less than 2-percent chance of tornado activity in all areas.

**Fire Weather**



There is no Critical Fire Weather forecast for today; however, there is Elevated Fire Weather for southwestern California.

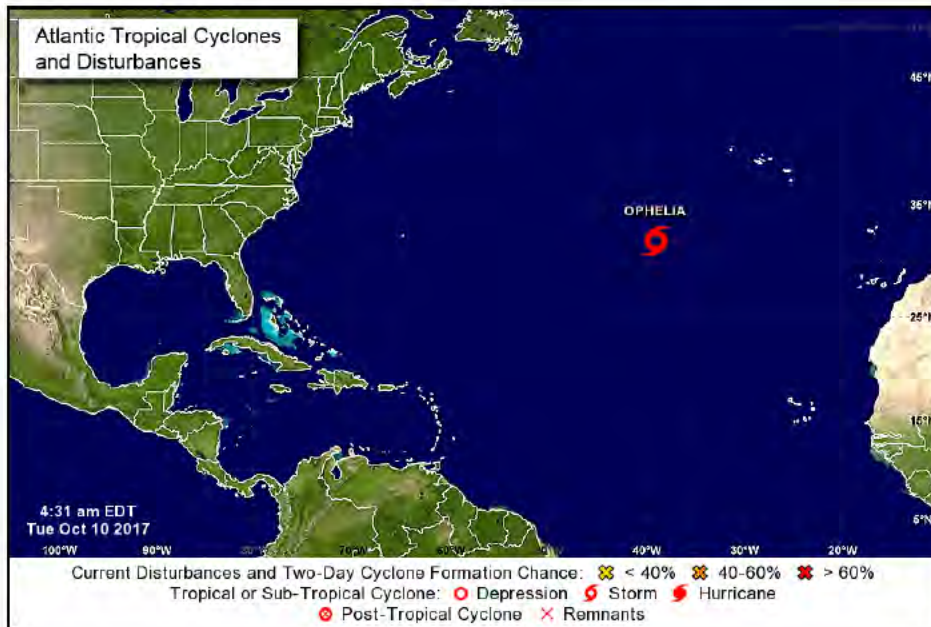
## **Tropical Weather Activity**

Source: National Weather Service/National Hurricane Center – October 10, 2017

### **Atlantic Ocean/Caribbean Sea/Gulf of Mexico**

#### **Tropical Storm Ophelia**

At 5:00 a.m. EST, Tropical Storm Ophelia was located approximately 790 west-southwest of the Azores and moving toward the southeast near 3 miles per hour (mph). Ophelia is forecast to continue this motion during the next few days. Maximum sustained winds are near 50 mph, with higher gusts. Additional strengthening is forecast. There are no coastal watches or warnings in effect, and Ophelia is no threat to the U.S.



### **Eastern Pacific Ocean**

There is no tropical cyclone activity expected during the next 48 hours.

*\*End of Report\**

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials\*  
Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16b-17

**Subject:** Hurricane Harvey

**Date:** August 25, 2017

**Time:** 5:00 p.m. EDT

**Location:** Gulf of Mexico

**Update:** Update #2

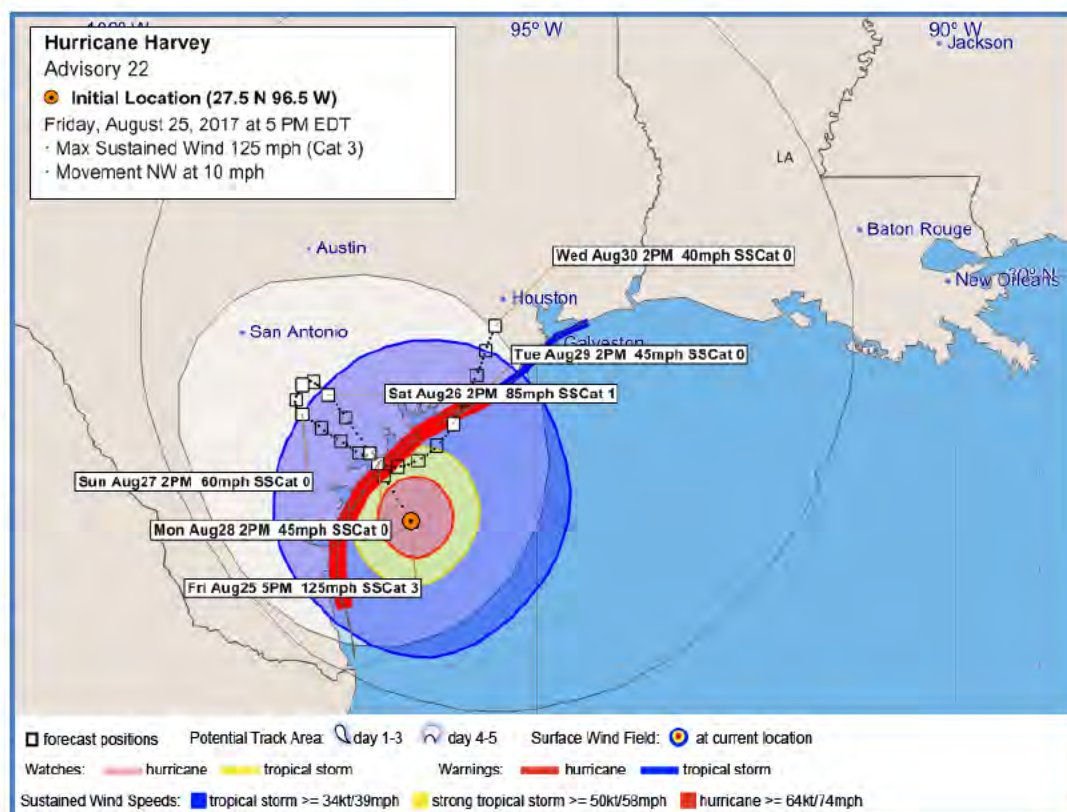
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 25, 2017*

The National Hurricane Center (NHC) is reporting that Hurricane Harvey has strengthened into a Category 3 hurricane, with maximum sustained winds of 125 miles per hour (mph). As of 5:00 p.m. EDT, the storm was located approximately 60 miles to the east-southeast of Corpus Christi, Texas and moving toward the northwest at 10 mph. Harvey's forward speed is expected to decrease significantly during the next couple of days, and the storm is forecast to make landfall on the middle Texas coast tonight or early Saturday. Some additional strengthening is possible prior to the storm making landfall, but the storm is expected to weaken over the weekend while the center moves inland over Texas.

Harvey is expected to produce total rain accumulations of 15 to 30 inches and isolated maximum amounts of 40 inches over the middle and upper Texas coast through next Wednesday. During the same time period, Harvey is expected to produce total rain accumulations of 5 to 15 inches in far southern Texas and the Texas Hill Country through southwestern and central Louisiana. Rainfall of this magnitude will cause catastrophic and life-threatening flooding. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The northern entrance of the Padre Island National Seashore could see a storm surge of 6 to 12 feet. A few tornadoes are possible through Saturday near the middle and upper Texas coast into far southwestern Louisiana.

A Hurricane Warning is in effect from Port Mansfield to Sargent, Texas, and a Tropical Storm Warning is in effect for north of Sargent to High Island. A Storm Surge Warning is in effect from Port Mansfield to High Island, Texas.



HURREVAC Image

## DOI Bureau and Office Reporting:

### **National Park Service Hurricane Harvey Update**

Source: *National Park Service – August 25, 2017*

The National Park Service (NPS) held a hurricane coordination call this morning, and no unmet needs are being reported by the NPS park units in the affected area. All employees are accounted for at this time.

- *Padre Island National Seashore (Texas):* The Padre Island National Seashore is currently evacuated and closed. With the expected storm surge, it may be several days before park staff can return to determine the damage to the island and associated facilities.
- *Palo Alto National Battlefield (Texas):* The Palo Alto National Battlefield is currently open, but monitoring the storm, and it is likely that the park will also see high winds and several inches of rain from this event. Park staff will continue to assess the situation to determine if a closure will be necessary.
- *Jean Lafitte National Historical Park and Preserve/New Orleans Jazz National Historic Park (Louisiana):* The parks released staff today and will remain closed through August 27.
- *Cane River Creole National Historic Park (Louisiana):* The park is expected to experience flooding and is making preparations at this time.

- The NPS Gulf Coast Inventory and Monitoring Network is tracking the forecast and expects flooding. Personnel are ensuring the safety of facilities, laboratory, and IT resources before closing down later this afternoon 8/25.

The NPS has also been asked to support Emergency Support Function #9 for Search and Rescue (SAR) resources. Due to a number of events nationally, resources with swiftwater capabilities within a six hour drive of the anticipated landfall area are scarce. The NPS continues to support the federal SAR response to support lifesaving operations through coordination calls with the Federal Search and Rescue Coordination Group.

The Emergency Incident Coordination Center will have augmented staffing through the weekend and is collecting resources nationwide to support emergency response efforts from the NPS. This includes inventories of boats, specialized science resources, and availability of Incident Management Team (IMT) resources.

The NPS Intermountain Region Incident Management Team is currently trying to source Type-2 Operations Section and Planning Section Chiefs to possibly deploy to this event, if requested. With several special events nationally and with current fire activity at PL-5, many resources are simply not available at this time.

#### **U.S. Fish and Wildlife Service Hurricane Harvey Update**

*Source: U.S. Fish and Wildlife Service – August 25, 2017*

The U.S. Fish and Wildlife Service (USFWS) is monitoring Hurricane Harvey and making preparations where necessary. The below updates were provided for the USFWS Southwest Region and the USFWS Southeast Region:

#### *USFWS Southwest Region Actions and Impacted Station Updates:*

All personnel in the potential impact zone have been released, and response and recovery operations will be directed from the Balcones Canyonlands National Wildlife Refuge (NWR). The following facilities/offices have been closed:

- Aransas National Wildlife Refuge (including Matagorda Island)
- Big Boggy National Wildlife Refuge
- San Bernard National Wildlife Refuge
- Brazoria National Wildlife Refuge
- Anahuac National Wildlife Refuge
- Moody National Wildlife Refuge
- McFaddin National Wildlife Refuge
- Texas Point National Wildlife Refuge
- Santa Ana National Wildlife Refuge
- Lower Rio Grande Valley National Wildlife Refuge
- Laguna Atascosa National Wildlife Refuge
- Trinity River National Wildlife Refuge
- Corpus Christi Ecological Services Office
- Texas Coastal Ecological Services Office (Clear Lake, TX)
- Gulf Coast Prairie LCC Office (Lafayette, LA)

USFWS Southeast Region Actions and Impacted Station Updates:

This is a mandatory evacuation in effect for Cameron Parish, south of the intra-coastal waterway. The Sabine NWR has secured the office and accounted for all staff. Cameron Parish Emergency Operations will be setting up operations out of the Cameron Prairie NWR fire office and bunkhouse. The following facilities/offices have been closed:

- Sabine NWR

**DOI Office of Inspector General Hurricane Harvey Impacts**

Source: DOI Office of Inspector General – August 25, 2017

The overall impact of Hurricane Harvey on DOI Office of Inspector General (OIG) activities has been negligible as there are no OIG facilities in the area. OIG has three employees in the Texas and Louisiana area, with two employees on travel in Baton Rouge and one employee residing in Buda, Texas. All three employees have been contacted, provided information, and advised to monitor local news sources. Travel has been postponed for two OIG employees, and three other employees have been directed to return to their home stations prior to the storm's arrival.

**Emergency Support Function #13 (Public Safety and Security) Hurricane Harvey Update**

Source: DOI Office of Law Enforcement and Security – August 25, 2017

DOI has been asked to assemble two teams for ESF#13 support and place them on standby. The preference will be given to those who are geographically closer, but outside of the anticipated impact area. No Mission Assignment (MA) has been received at this time, and there are no estimates for a deployment time. Each of the 2 teams will need 50 law enforcement officers, and the DOI representative to ESF #13 has reached out to each of the DOI Bureaus in reference to this potential deployment.

**United States Geological Survey Response Activities for Hurricane Harvey**

Source: United States Geological Survey – August 25, 2017

The United States Geological Survey (USGS) is continuing activities in response to Hurricane Harvey, which is forecast to make landfall on the middle Texas coast as a Category 3 hurricane tonight. The following USGS activities are being reported:

- All USGS personnel in Texas and Louisiana are accounted for. There are no unmet needs.
- The USGS Coastal Storm Team is activated and holding daily calls to coordinate response activities and partner coordination.
- USGS has a coordinated information and data site established at: <https://www.usgs.gov/harvey>.
- USGS is coordinating with FEMA Region 6 on a potential Mission Assignment to collect high water mark information and other flood-related data.

Activities from the USGS Texas Water Science Center (TXWSC):

- Deployed 14 storm surge and wave height sensors between San Luis Pass and the Corpus Christi metro area.

- Deployed 2 rapid deployment gages in coordination with the U.S. Coast Guard and the Port of Houston to monitor river flows into Galveston Bay.
- Information on deployed sensors will be available at: <https://stn.wim.usgs.gov/FEV/#HarveyAug2017>
- Deploying a liaison to the State of Texas Emergency Operations Center.
- Personnel have completed assessments of inventoried equipment that can be deployed to replace any equipment damaged by flood. Equipment has been propositioned at the main TXWSC office in Austin, Texas.

Activities for the USGS Coastal and Marine Science Center (CMSC) in St. Petersburg, Florida:

- Continues updating coastal change forecasts for the Texas coast, based on storm surge forecasts from the National Oceanic and Atmospheric Administration (NOAA) and updated with each NOAA forecast cycle.
- Current forecasts indicate 95-percent of the dunes on the Texas coast may experience erosion and 45-percent of the dunes (primarily on the coastal stretch between Corpus Christi and Galveston) may experience overtopping.
- Information on the Coastal Change Hazards Portal: <https://marine.usgs.gov/coastalchangehazardsportal/>

USGS geospatial support activities:

- The USGS Geospatial Response Team (GIRT) is supporting collection of remote sensed imagery and coordinating with NOAA on CAP imagery that will be flown as soon as safe to do so.
- The USGS is facilitating the International Charter activation at the request of the State of Texas, including the capture of multiple space-based imagery products.
- Imagery will available on the Hazard Data Distribution System (<https://hddsexplorer.usgs.gov/>) and Disaster Coordination Preparedness & Response Map: (<http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>)

**U.S. Bureau of Reclamation Hurricane Harvey Situation Report**

*Source: United States Bureau of Reclamation – August 25, 2017*

The U.S. Bureau of Reclamation's (USBR) Oklahoma Texas Area Office (OTAO) continues to monitor Hurricane Harvey in relation to Choke Canyon Dam and Reservoir (Nueces River Project, TX) and drainage basin. The dam is a transferred work operated by the city of Corpus Christi. The reservoir is at roughly 33-percent of storage capacity, with room for hundreds of thousands of acre-feet of water storage. Current models call for heaviest rains to the east of the dam and reservoir.

OTAO is in contact with the city of Corpus Christi and the National Weather Service/River Forecast Center, and the USBR will engage with local emergency managers and other authorities, as needed. OTAO has made arrangements to receive information directly from the National Weather Service to assist in monitoring inflows into Choke Canyon Reservoir. Based on the current forecast and conditions, OTAO has not activated the Choke Canyon Dam Emergency Action Plan (EAP), but will continue to watch this closely and will activate it as appropriate.



The USBR is in contact with its regional emergency managers and is conducting preliminary assessments for employee accountability in the states of Texas and Louisiana. USBR employs roughly 10 staff among its Austin-based office and Texas/Louisiana domiciled employees.

The USBR, as the Department's Principal Planner for ESF #3 (Public Works and Engineering), is in contact with the U.S. Army Corps of Engineers (USACE). The USACE has not requested any Reclamation/Department resources for deployment at this time and anticipates providing the next update the week of August 28. USACE anticipates being able to meet ESF #3 mission requirements without additional support; however, they will reassess and provide further projections once Hurricane Harvey makes landfall and progresses along its track.

Reclamation will provide its next update relative to information received from the OTA0 regarding Choke Canyon Dam and Reservoir/EAP activation, employee accountability, and/or ESF #3 information from the USACE. USBR's Emergency Operations Center is ready for activation upon request or necessity.

### **Bureau of Safety and Environmental Enforcement (BSEE) Gulf of Mexico Activity**

*Source: Bureau of Safety and Environmental Enforcement – August 25, 2017*

Offshore oil and gas operators in the Gulf of Mexico are evacuating platforms and rigs in preparation for Hurricane Harvey. The Bureau of Safety and Environmental Enforcement (BSEE) Hurricane Response Team is activated and monitoring the operators' activities. The team will continue to work with offshore operators and other state and federal agencies until operations return to normal and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

As of 12:30 p.m. EDT today, personnel have been evacuated from a total of 89 production platforms, 11.67 percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from four rigs (non-dynamically positioned (DP) rig), equivalent to 40 percent of the 10 rigs of this type currently operating in the Gulf. One DP rig has moved off location out of the storm's path as a precaution. From operator reports, it is estimated that approximately 21.55-percent of the current oil production of 1,750,000 barrels of oil per day in the Gulf of Mexico has been shut-in, and approximately 23.24-percent of the natural gas production of 3,220 million cubic feet per day, or 748 million cubic feet per day in the Gulf of Mexico has been shut-in.

After the storm has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Facilities sustaining damage may take longer to bring back on line.

### **Other Federal and State Government Reporting:**

#### **FEMA National Response Coordination Center Activated**

*Source: Federal Emergency Management Agency – August 25, 2017*

The Federal Emergency Management Agency (FEMA) activated the National Response Coordination Center (NRCC) to Level 1 (24/7 operations) today with all Emergency Support Functions, the NRCS Blue Team, and all Liaison Officers. The DOI Senior Interagency Liaison Cadre (SILC) will be staffing the NRCC during this activation.

**ESF #4 (Firefighting) Activation for Hurricane Harvey**

*Source: U.S. Forest Service – August 25, 2017*

The Federal Emergency Management Agency (FEMA) activated the National Response Coordination Center (NRCC) with all ESFs, including ESF #4. The Regional Response Coordination Center (RRCC) in Denton, Texas will likely activate ESF4 later today.

Due to the extreme wildland fire situation in northern California, the Pacific Northwest, and the northern Rockies, the National Multi-Agency Coordination Group has determined that there currently are no national wildland fire resources available to support the Federal response to Hurricane Harvey. FEMA has been made aware of this situation. The U.S. Forest Service has coordinated with FEMA over the past many years in anticipation of this very scenario, a major hurricane making landfall at the same time we are at Wildland Fire Preparedness Level 5 with no wildland fire resources available, and FEMA has conducted at least one hurricane exercise with this as part of the scenario. ESF #4 may be able to access some response resources through State and local agreements, including miscellaneous specialists, structure firefighting resources, All-Hazard IMTs, etc., and will help redirect resource requests that have typically been filled through ESF #4 during past hurricane responses.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16c-17

**Subject:** Hurricane Harvey

**Date:** August 26, 2017

**Time:** 8:00 a.m. EDT

**Location:** Gulf of Mexico

**Update:** Update #3

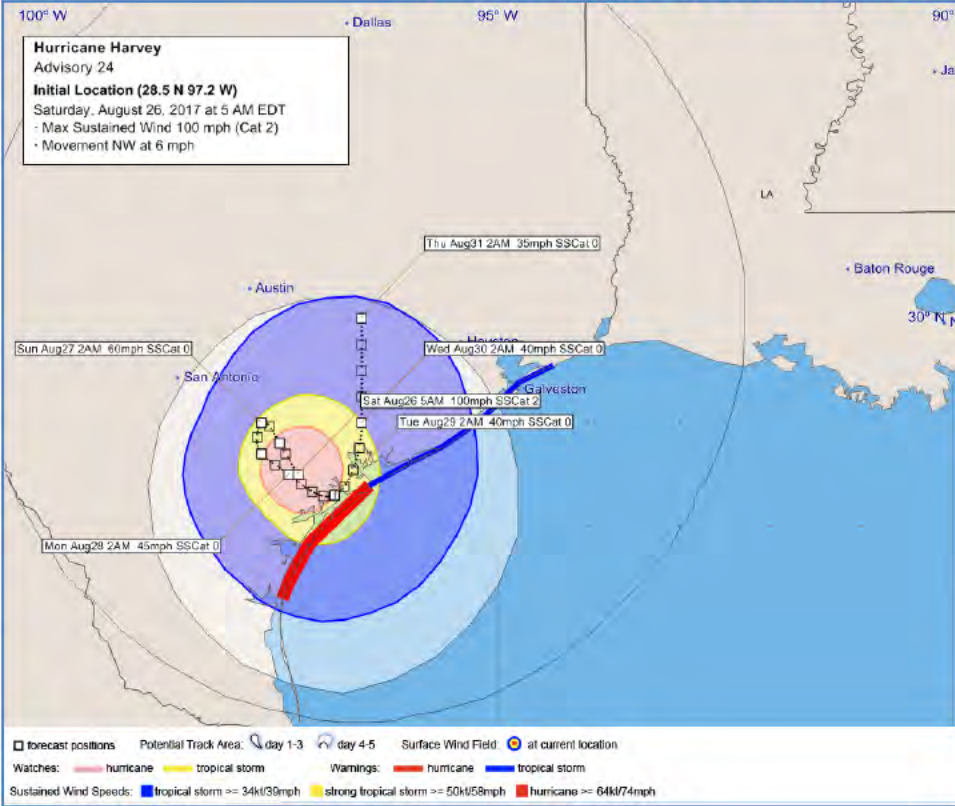
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 26, 2017*

The National Hurricane Center reports Hurricane Harvey made landfall at 11:00 p.m. eastern Daylight Time (EDT), 25 August as a Category 4 storm near Rockport, Texas. As of 7:00 a.m. EDT, Harvey was downgraded to a Category 1 with maximum sustained winds at 85 mph and located approximately 25 miles southwest of Victoria, Texas, moving northwest at 6 mph. Additional weakening is forecast as Harvey stalls over southeastern Texas through the middle of next week.

Harvey is expected to produce total rain accumulations of 15 to 30 inches and isolated maximum amounts of 40 inches over the middle and upper Texas coast through next Wednesday. During the same time period, Harvey is expected to produce total rain accumulations of 5 to 15 inches in far southern Texas and the Texas Hill Country through southwestern and central Louisiana. Rainfall of this magnitude will cause catastrophic and life-threatening flooding. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The northern entrance of the Padre Island National Seashore could see a storm surge of 6 to 12 feet. A few tornadoes are possible through Saturday near the middle and upper Texas coast into far southwestern Louisiana.

A Hurricane Warning remains in effect from Baffin Bay, Texas to Port O'Connor, Texas and a Tropical Storm Warning remains in effect from north of Port O'Connor, Texas to High Island, Texas. A Storm Surge Warning remains in effect from Baffin Bay to High Island, Texas. At peak surge combined with high tide, flooding can be 6 to 12 feet above ground. Tornadoes are possible through 26 August near the middle and upper Texas coast and southwest LA. Initial reports are 211,000 customers without power.



HURREVAC Image

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
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- IOS Senior Officials
- Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16d-17

**Subject:** Tropical Storm Harvey

**Date:** August 26, 2017

**Time:** 6:00 p.m. EDT

**Location:** Gulf of Mexico

**Update:** Update #4

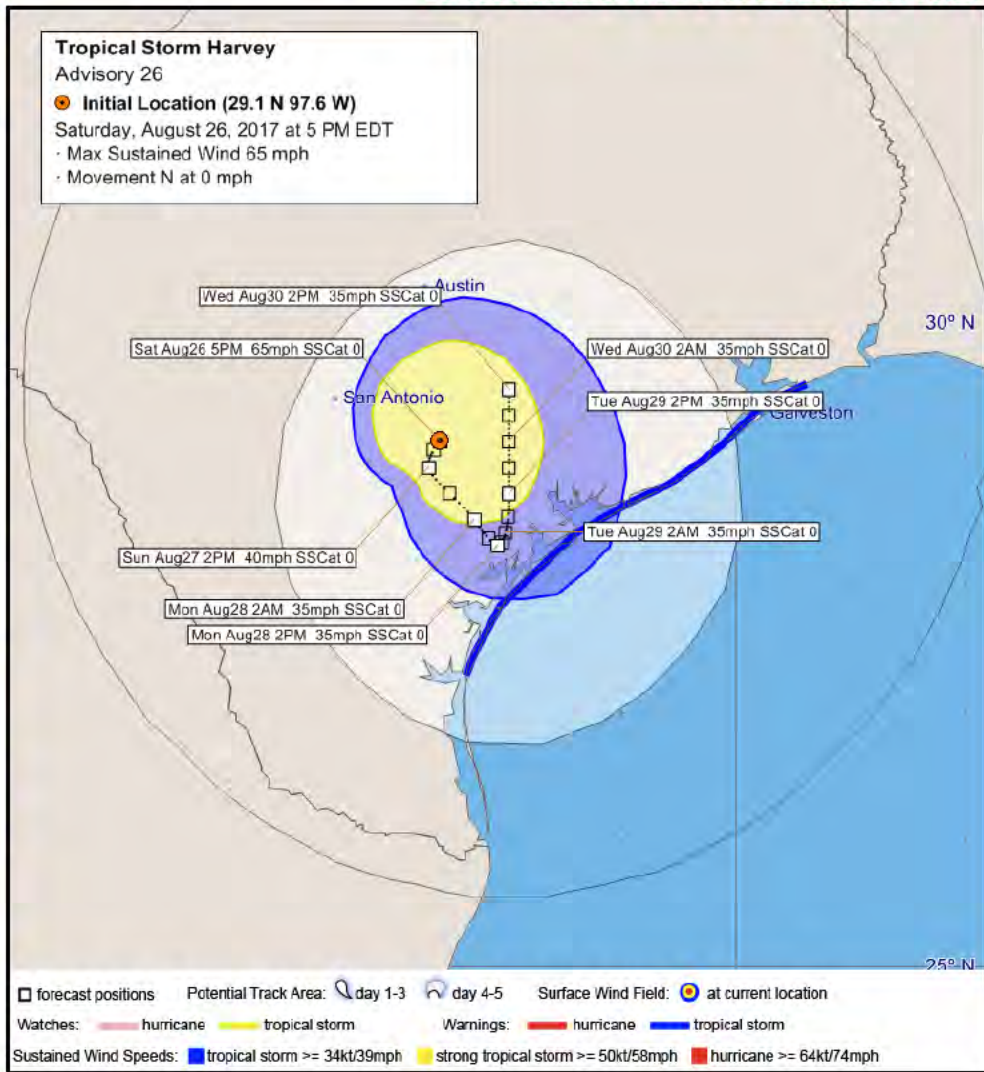
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 26, 2017*

The National Hurricane Center is reporting that Hurricane Harvey been downgraded to a tropical storm. As of 5:00 p.m. EDT, Harvey is located 45 miles west-northwest of Victoria, Texas with maximum sustained winds of 65 miles per hour (mph). The storm is nearly stationary, and little motion is anticipated during the next few days. Harvey is expected to continue to weaken as it moves over land. A total of 15 to 25 inches of rain is expected over the middle and upper Texas coast through Thursday. Elsewhere during the same period, Harvey is expected to produce total rain accumulations of 5 to 15 inches from the lower Texas coast to the Texas Hill Country and southwestern and central Louisiana.

Rainfall of this magnitude will cause catastrophic and life-threatening flooding. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast near the area of onshore winds, where the surge will be accompanied by large destructive waves. Surge related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

Tornadoes are possible through Monday near the middle and upper Texas coast into far southwestern Louisiana. A Tropical Storm Warning remains in effect from Baffin Bay, Texas to High Island, Texas. A Storm Surge Warning remains in effect from Port Aransas to High Island, Texas. A storm surge of 4 to 7 feet is expected in some areas.



HURREVAC Image

**DOI Mission Assignments as of August 26, 2017:**

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount
ESF #9 8/26/17	Office of Aviation Services UAS Capability	Provide UAS support for search and rescue operations and provide imagery for identifying high priority search areas.	\$50,000
ESF #5 8/26/17	Office of Emergency Management	Support SILC position activation at the NRCC.	\$10,000
ESF #11 8/26/17	Office of Environmental Policy and Compliance	Support ESF #11 position activation at the NRCC.	\$10,000
ESF #5 8/26/17	United States Geological Survey	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey.	\$1,000,000
ESF #9 8/26/17	National Park Service	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000
ESF #13 8/26/17	Office of Law Enforcement and Security	Two 25 person Law Enforcement teams on stand-by.	Unknown at this time.

**DOI Bureau and Office Reporting:****National Park Service Hurricane Harvey Update**

*Source: National Park Service – August 26, 2017*

The National Park Service (NPS) is reporting that a representative from the NPS is deploying to College Station, Texas to work with the Federal Search and Rescue Coordination Group to support Emergency Support Function (ESF) #9 (Search and Rescue). At this time, the NPS has not been asked to provide any other search and rescue assets, to include swiftwater resources to Texas or Louisiana. During the initial survey of NPS resources within a six hour response of Texas, there were no available swiftwater assets. Within 12 hours, the Emergency Incident Coordination Center (EICC) did identify some swiftwater resources at the Amistad National Recreation Area and the Big Bend National Park.

ESF #11 (Cultural and Natural Resources) is standing by with resources, if needed. Through the Department of the Interior (DOI), the NPS has identified the Southeast Region Law Enforcement Special Events Team (SET) as a possible asset to deploy to support law enforcement and security response as requested under ESF #13. The team is on standby at this time. The NPS EICC is staffed through the weekend and assisting in identifying resources and assisting parks with employee accountability.

The NPS remains ready to respond to requests for assistance and is actively coordinating with FEMA, the Department of Defense, the United States Coast Guard, and other DOI elements. A resource list of available assets has been provided.

**National Park Service Facility Update:**

- *Padre Island National Seashore:* The park is closed and has been evacuated. NPS is reporting that 45 out of 57 employees have been accounted for, but NPS does not anticipate that any of the unaccounted for employees are in danger. Padre Island National Seashore reports that an assessment of the conditions at the park is likely for Monday. Resource needs are unknown at this time. From preliminary assessments, looking at the storm path and conditions, it appears that the park may have escaped the most direct impacts from the storm. The park may be able to access the park this afternoon as the causeway and access to North Padre Island is still open.
- *Big Thicket National Preserve:* All personnel have been accounted for. The park will be closed through the weekend, but may open on Monday, depending on the weather. Three NPS Rangers are on duty at the park. The heaviest rains are expected on Tuesday and Wednesday, and it is anticipated that there will be problems with ground saturation and downed trees. It is anticipated that an assessment will be conducted on Thursday or Friday.
- *San Antonio Missions National Historic Park:* All employees are accounted for. The park is closed, but may open on Monday. Heavy rain and flash flooding is expected in the area.
- *Lyndon B. Johnson National Historic Park:* The park is closed, and all weekend events are cancelled.

**U.S. Fish and Wildlife Service Hurricane Harvey Update**

*Source: U.S. Fish and Wildlife Service – August 26, 2017*

The U.S. Fish and Wildlife Service (USFWS) is monitoring now Tropical Storm Harvey and coordinating as necessary. The below updates were provided for the USFWS Southwest Region and the USFWS Southeast Region:

USFWS Southwest Region Actions and Impacted Station Updates:

An Incident Management Team (IMT) is staged at the Balcones Canyonlands National Wildlife Refuge (NWR), and an Incident Commander has been assigned. Due to the intensity and slow motion of Harvey, it will likely be 3-5 days before the IMT can fully mobilize. The preparation to facilitate rapid assessments is being conducted at this time. A pre-hurricane real property inventory is in place, as well as the deployment of an ArcGIS application to link to smart phones for rapid assessments. During the next 24 hours, the response and assessment teams will move to the Balcones Canyonlands NWR for staging, and will deploy to the impacted areas when conditions allow. Law Enforcement Surge Team members have been contacted for deployment availability.

All USFWS locations within the impacted area have accounted for their staff, and there have been no requests for assistance. There are 227 employees on weather-related administrative leave at this time.

## USFWS Southwest Region Office Status:

- Coastal Ecological Services Field Office (Corpus Christi, TX) – Closed
- Coastal Ecological Services Field Office (Corpus Christi, TX) – Closed
- Houston Ecological Services Field Office (Houston, TX) - Closed
- Office of Law Enforcement (Houston, TX office) – Closed
- Lafayette, LA Science Applications – Open
- Fisheries (Houston, TX Office) – Closed
- Migratory Birds (Lafayette LA, JV Office) – Open
- Houston Urban Office - Closed

## USFWS Southwest Region Refuge Status:

- Aransas NWR – Closed
- Lower Rio Grande Valley Refuge Complex – Closed
- Texas Mid-Coast Refuge Complex – Closed
- Texas Chenier Plains Refuge Complex – Closed
- Attwater Prairie Chicken NWR – Closed
- Trinity River NWR - Closed

USFWS Southeast Region Actions and Impacted Station Updates:

The Southeast Region's Disaster Operations Office (DOO) transitioned from an activated status to a monitoring status this morning. Station status reporting to the DOO has been discontinued, except for reporting damages or requesting assistance from Regional Office assets or personnel. Members of the Southeast Region Management Team (SRMT), and support staff, will continue response planning efforts for possible support to the USFWS Southwest Region, if assistance is requested.

Two six-vessel shallow draft watercraft strike teams are being organized in a stand-by status for possible future support to the Southwest Louisiana National Wildlife Refuge Complex, the USFWS Southwest Region, and a FEMA ESF #9 Mission Assignment. The DOI ESF-13 Coordinator has indicated an unlikely need for DOI Bureau law enforcement officer deployments via surge teams.



## USFWS Southeast Region Refuge Status:

- Southwest Louisiana NWR Complex – Closed
- Cameron Prairie NWR – Closed
- Lacassine NWR – Closed
- Sabine NWR – Closed
- Shell Keys NWR – Closed

All refuge facilities will be closed until Monday due to heavy rain and flooding. The operational status of the facilities will be re-evaluated on Monday, based on Hurricane Harvey's forecast. Cameron Prairie NWR facilities are being utilized by the Cameron Parish Emergency Operations (EOC) personnel per an established Memorandum of Understanding (MOU) to support the local community. Complex staff will continue to follow their implemented All Hazards Disaster Plan actions and report any needs for assistance or change in staff status. Additional reporting from the USFWS Southeast Region, regarding Harvey, is not expected, unless facility damage or operational impacts are reported.

## USFWS Current Request for Information (RFI) and/or Inter and Intra-agency Unmet Needs:

- The NPS has reached out to the USFWS about teaming up and creating an area command for DOI with a single incident command team for the entire area. The USFWS is currently working on this request.
- NPS, one of the primary agencies for ESF #9, is requesting assistance from USFWS. USFWS Region 4 has established two watercraft strike teams to support the ESF #9 request.
- For ESF #10 (Oil and Hazardous Materials Response), the USFWS spill response teams are monitoring Harvey's impacts and are available if needed.
- For ESF #11 (Agriculture and Natural Resources), there are 3 USFWS historical structure specialists available to deploy, depending on the duration.
- Endangered species biologists are available to deploy.

**DOI Office of Environmental Policy and Compliance Hurricane Harvey Impacts**

*Source: DOI Office of Environmental Policy and Compliance – August 26, 2017*

Emergency Support Function (ESF) #11 was activated on August 25, and DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center (NRCC). ESF #11 staff have been deployed to the Regional Response Coordination Center (RRCC) in Denton, Texas, the Initial Operating Facility in Baton Rouge, Louisiana, and with the Incident Management Assistance Team at the Texas State Operations Center.

ESF #11 will begin to hold a daily coordination call beginning on August 28. DOI's Office of Environmental Policy and Compliance Headquarters and Regional Office in Albuquerque will participate.

**DOI Office of Natural Resource Revenue Hurricane Harvey Impacts**

*Source: DOI Office of Natural Resources Revenue – August 26, 2017*

The DOI Office of Natural Resources Revenue (ONRR) is monitoring the situation in their Houston office. The Houston Management Team is scheduled to hold teleconference on Sunday afternoon to discuss the status of the storm and impacts to the office.

**Emergency Support Function #13 (Public Safety and Security) Hurricane Harvey Update**

*Source: DOI Office of Law Enforcement and Security – August 26, 2017*

A Stafford Act declaration was signed and ESF-13 does have a Mission Assignment (MA) in hand and will be deploying multiple teams from the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF), the Drug Enforcement Administration (DEA), the Federal Bureau of Investigation (FBI), and Immigration and Customs and Enforcement (ICE). The two requested DOI QRT teams will remain on standby, with the earliest possible deployment date of August 28. The U.S. Marshall Service special deputation unit will be on the ground and fully operational at that time, and able to process deputations for non-DOJ agencies as needed.

A formal request for a DOI-Bureau of Indians Affairs (BIA) mobile command vehicle has been made. BIA's ESF-13 coordinator will work directly with ESF-13 to fulfill this request. Costs for mileage, fuel, and staffing will be covered under the MA. The MA is for Federal-to-Federal force protection support for ESF #8 (Public Health and Medical Services) and ESF #9 (Urban Search and rescue). The coordination center will be housed in San Antonio, and additional staging areas and base camps will be set up as needed.

**United States Geological Survey Response Activities for Hurricane Harvey**

*Source: United States Geological Survey – August 26, 2017*

The United States Geological Survey (USGS) is continuing activities in response to Hurricane Harvey. The following USGS activities are being reported:

- All USGS personnel in Texas and Louisiana are accounted for. There are no unmet needs.
- USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.
- USGS is finalizing today a Mission Assignment from FEMA Region 6 to perform high water mark (HWM) flagging and surveying, once flood waters begin to recede.
- The USGS Coastal Storm Team is activated and holding daily calls to coordinate response activities and partner coordination.

Activities from the USGS Texas Water Science Center (TXWSC):

- All TXWSC employees are accounted for. All USGS offices in Texas are open, and all USGS streamgages in Texas are currently operational.
- Several precipitation gages have reported rainfall amounts of 10 to 20 inches, which aligns well with National Weather Service radar estimates of rainfall.
- Some streamgages are beginning to show dramatic rises. One such rise was featured in a USGS Facebook post at: <https://www.facebook.com/USGeologicalSurvey/posts/1523400924372552>.
- Crews are on standby in the Houston, San Antonio, Austin, and Fort Worth offices. Streams and rivers are on the rise, and some crews are planning to go out today, weather permitting, to perform high flow measurements.
- A crew is on standby to assist with construction if any gages are damaged, and ten rapid deployment gages are available to deploy if needed.
- Water quality samplers and some discreet sampling that are contingent on higher flows will be done as conditions permit.

Activities for the USGS Coastal and Marine Science Center (CMSC) in St. Petersburg, Florida:

- Issued final coastal change forecasts for the Texas coast on Friday evening, based on storm surge forecasts from NOAA.
- Forecasts indicate dune erosion of 100-percent of the coastline, dune overwash at 45-percent, and dune inundation 15-percent.
- CSMC will be reviewing overflight imagery, once available, to assess extent of coastal change and validate models.

USGS geospatial support activities:

- The USGS Geospatial Response Team (GIRT) is supporting the distribution of CAP and NOAA imagery that will be flown as soon as safe to do so.
- The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.
- Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey, are located at the following link: <https://hddsexplorer.usgs.gov/>.
- USGS Event Support is located at the following link: <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>

### **U.S. Bureau of Reclamation Hurricane Harvey Situation Report**

*Source: United States Bureau of Reclamation – August 26, 2017*

The U.S. Bureau of Reclamation's (USBR) Oklahoma Texas Area Office (OTAO) continues to monitor Hurricane Harvey in relation to Choke Canyon Dam and Reservoir (Nueces River Project, Texas) and drainage basin. The dam is a transferred work operated by the city of Corpus Christi. Impacts to Choke Canyon Dam and Reservoir have been minimal so far with light rain only resulting in a 0.3-foot increase in reservoir levels since yesterday morning. Current forecasts do not call for heavy rain to shift into the Choke Canyon drainage basin, but OTAO will continue to monitor this event in case conditions change. Based on the current forecast and conditions, OTAO has not activated the Choke Canyon Dam Emergency Action Plan (EAP), but will continue to watch this closely and will activate it as appropriate.

The USBR completed employee accountability assessments in the states of Texas and Louisiana. Eight personnel are stationed at the OTAO in Austin, Texas, three personnel are domiciled near the Austin metropolitan area or within areas impacted by Hurricane Harvey weather, and one person is domiciled in Lafayette, Louisiana. All other Texas-based USBR staff work or reside in the El Paso, Texas area and are not impacted by the storm.

### **Bureau of Indian Affairs Hurricane Harvey Update**

*Source: Bureau of Indian Affairs – August 26, 2017*

BIA Emergency Management conducted the initial Hurricane Harvey Tribal Assistance Coordination Group (TAC-G) National Conference Call. The call included a hurricane status update and forecast, status reports from the two Tribes that may be impacted (Alabama-Coushatta Tribe of Texas Tribe and the Kickapoo Traditional Tribe of Texas), a cultural preservation and preparedness briefing from the Administrator of the FEMA Heritage Emergency National Task Force, and TAC-G Partner reports. Additional Hurricane Harvey TAC-G conference calls will continue each day at 3:00 p.m. EDT. There have been no reported impacts to the tribes.

As is expected when events like Hurricane Harvey occur, the TAC-G partners share information with BIA Emergency Management. In addition to our regular information sharing core partners of FEMA, the Indian Health Service, and the BIA team, the TAC-G has realized a significant increase of information sharing from the National Tribal Emergency Management Association (iTEMA), who is providing GIS related assistance, NORTHCOM, U.S. Army Medical Command, and significant information sharing from the US Department of Health and Human Services – Assistant Secretary for Preparedness and Response (ASPR). This type of information sharing is important for the development of the Tribal Common Operational Picture (T-COP) and to make decisions on future plans and actions, in support of Tribal All Hazards Emergency Response Operations.

### **Bureau of Safety and Environmental Enforcement (BSEE) Gulf of Mexico Activity**

*Source: Bureau of Safety and Environmental Enforcement – August 26, 2017*

The Bureau of Safety and Environmental Enforcement (BSEE) reports that their Lake Jackson and Houston offices will remain closed into next week. The Lake Jackson Office was only a few miles from the Surge Inundation Report area, and BSEE will be looking for a status report once the conditions in area are safe. The Lake Charles District Office was not closed on Friday, as previously reported. BSEE District Office Managers will assess the situation on Sunday afternoon to determine the recommended status of building operations and will make recommendations to the Regional Director.

BSEE human resource personnel distributed an email on Friday reminding people to update their Employee Express, and that supervisors need to make sure that they can account for their staff during an emergency. BSEE is continuing to work with the BLM to make sure that their Jackson, Mississippi facilities will be available if needed. These preparations are based on the assumption that the pumps in New Orleans may be problematic later in the week if the area receives large amounts of rain.

BSEE Hurricane Harvey Activity Statistics: August 26, 2017:

Offshore oil and gas operators in the Gulf of Mexico are evacuating platforms and rigs in preparation for Hurricane Harvey. The Bureau of Safety and Environmental Enforcement (BSEE) Hurricane Response Team is activated and monitoring the operators' activities. The team will continue to work with offshore operators and other state and federal agencies until operations return to normal and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

As of 12:30 p.m. EDT today, personnel have been evacuated from a total of 112 production platforms, 15.2-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from five rigs (non-dynamically positioned (DP) rig), equivalent to 50-percent of the 10 rigs of this type currently operating in the Gulf. One DP rig has moved off location out of the storm's path as a precaution. From operator reports, it is estimated that approximately 24.49-percent of the current oil production of 1,750,000 barrels of oil per day in the Gulf of Mexico has been shut-in, and approximately 25.94-percent of the natural gas production of 3,220 million cubic feet per day has been shut-in.

After the storm has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Facilities sustaining damage may take longer to bring back on line.

**Other Federal and State Government Reporting:**

**Major Disaster Declared in Texas**

*Source: Federal Emergency Management Agency – August 26, 2017*

On August 25, the President approved an Expedited Major Disaster Declaration (FEMA-4332-DR-TX) for the state of Texas as a result of Hurricane Harvey, beginning August 23 and continuing. The declaration provides for Individual Assistance and Public Assistance for 6 counties and Hazard Mitigation statewide.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16e-17

**Subject:** Tropical Storm Harvey

**Date:** August 27, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern Texas

**Update:** Update #5

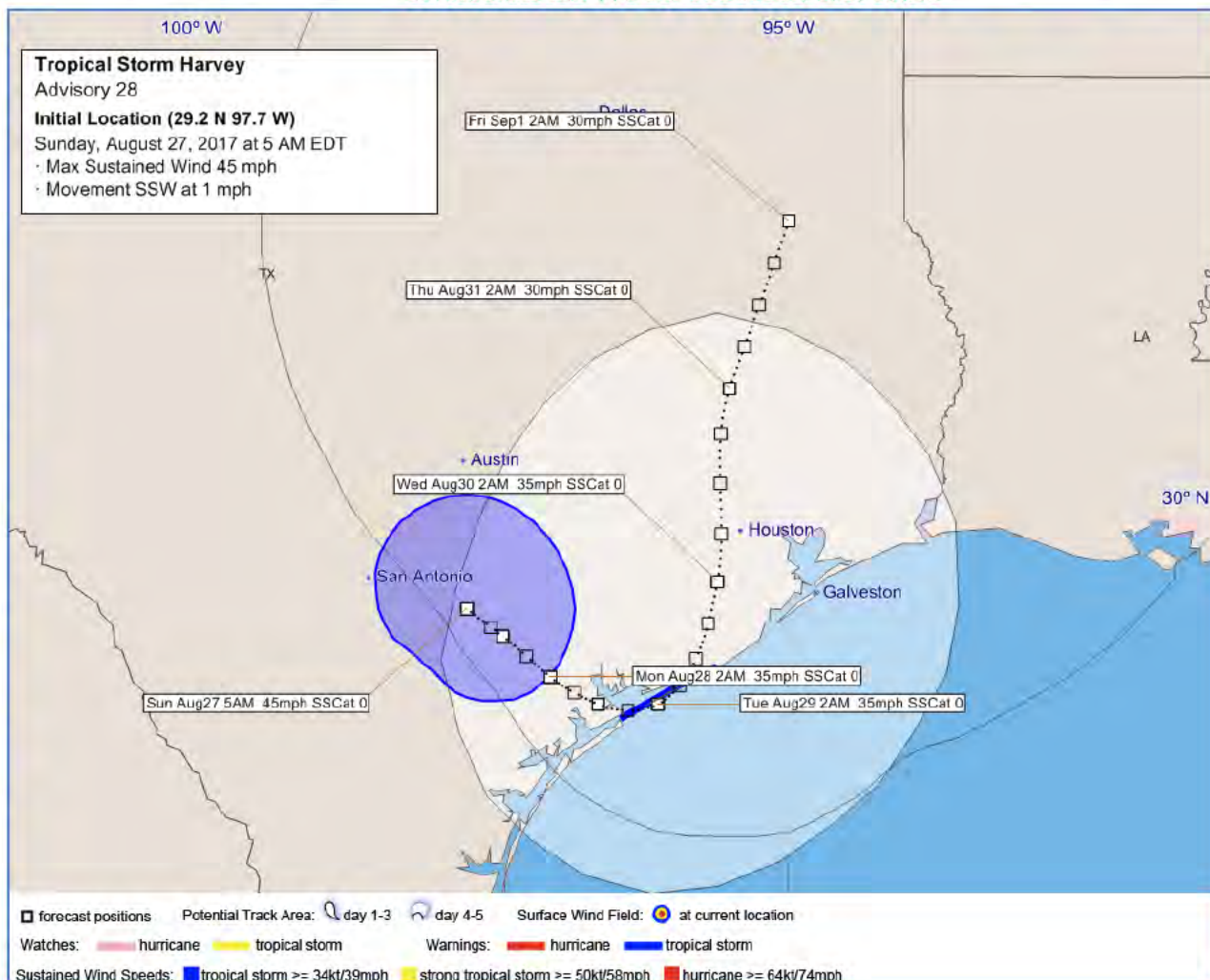
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 27, 2017*

As of 5:00 a.m. EDT, Tropical Storm Harvey is located 50 miles east-southeast of San Antonio, Texas with maximum sustained winds of 45 miles per hour (mph). Harvey is moving toward the south-southwest near 1 mph, and a slow southeastward to east-southeastward motion is expected over the next couple of days. On the forecast track, the center will remain inland or move very near the coast of southeastern Texas through Monday. Maximum sustained winds are near 45 mph with higher gusts. Some weakening is forecast during the next 48 hours, and Harvey is likely to become a tropical depression by tonight.

Harvey is expected to produce additional rain accumulations of 15 to 25 inches over the middle and upper Texas coast through Thursday. Isolated storm totals may reach around 40 inches in this area. Rainfall of this magnitude will cause catastrophic and life-threatening flooding. Elsewhere during the same time-period, Harvey is expected to produce total rain accumulations of 5 to 15 inches farther south toward the lower Texas coast, farther west toward the Texas hill country, and farther east through southwest and central Louisiana.

The combination of a dangerous storm surge and the tide will cause flooding in normally dry areas near the coast by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide: Port Aransas to Port O'Connor, 1 to 3 feet (ft.); Port O'Connor to Sargent, 2 to 4 ft., Sargent to High Island including Galveston Bay, 1 to 3 ft.; High Island to Morgan City, 1 to 2 ft. The deepest water will occur along the immediate coast near the area of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. A few tornadoes are possible today and tonight near the middle and upper Texas coast into far southwest Louisiana.



HURREVAC Image

**DOI Mission Assignments as of August 27, 2017:**

Mission (MA)	Assignment	DOI Bureau or Office Involved	Description of Support	Funding Amount
ESF #5 8/25/17 TX-17082301-DOI-01		Office of Emergency Management	Support SILC position activation at the NRCC.	\$10,000
ESF #5 8/26/17 4332DR-TX-USGS-01		United States Geological Survey	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000
ESF #9 8/26/17 TX-17082301-DOI-03		National Park Service	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000
ESF #9 8/26/17 4332DR-TX-DOI-02		Office of Aviation Services (assistance from BLM, USGS, and FWS (10 pilots)	Provide UAS support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000
ESF #11 8/25/17 TX-17082301-DOI-02		Office of Environmental Policy and Compliance	Support ESF #11 position activation at the NRCC.	\$10,000
LNO 8/26/17 4332DR-TX_DOI-01		Office of Emergency Management	Activate DOI to the FEMA NRCC to perform duties of DOI Liaison to the FEMA NRCC in support of disaster operations to Hurricane Harvey.	\$10,000

**DOI Bureau and Office Reporting:****National Park Service Hurricane Harvey Update**

*Source: National Park Service – August 26, 2017*

Several National Park Service (NPS) units remain closed after Hurricane Harvey made landfall overnight on Friday. Coordination is being conducted with the U.S. Fish and Wildlife Service (USFWS) and the Intermountain Region Incident Management Team to mobilize a joint incident support team, if needed. Space has been identified for this team starting August 30 at Naval Air Station Corpus Christi. The NPS Emergency Incident Coordinator Center (EICC) will be staffed through the weekend and assisting in identifying resources and assisting parks with employee accountability.

**National Park Service Unit Updates:**

- *Padre Island National Seashore (PAIS):* PAIS is evacuated and closed until further notice. All employees are now accounted for. A damage assessment will likely occur on Monday morning, and resource needs are unknown at this time. The causeway and access to North Padre Island remain open.
  - Initial look on August 26 indicates PAIS sustained minor damage to park infrastructure but will require a full assessment. The park remains closed to visitors and employees until a full assessment is completed and electrical power and other utilities can be restored.
    - Two employees from Padre Island NS (PAIS) were able to access the park to check on turtles in the incubation facility.
    - Damage noted included blown down fences, minor roofing issues, loose fascia boards, etc. Serious issues could still be undiscovered.
  - PAIS Staff will assess the beach tomorrow looking for hazardous material that may have washed in from the oilrigs as well as to gather other information.
  - There is no law enforcement presence in place to ensure a hard closure at the boundary. PAIS may request LE support to secure the park from unauthorized entry until repairs can be made.
  - PAIS remains without electricity and potable water.
    - Corpus Christi reports issues with their sewage waste treatment.
    - The park has its own system but employees returning to the area may be affected.
    - Most employees are still outside the Corpus Christi area slowly making their way back to their homes.
    - No firm reports of any serious damage to any employee homes.
    - The majority of Staff will be kept out of the park until electricity and water are restored, except for assessment teams, some law enforcement and some maintenance personnel.
- *Big Thicket National Preserve:* The Big Thicket National Preserve remains closed through the weekend, but may open on Monday, depending on the weather. The heaviest rains are expected on Tuesday and Wednesday, and the rains will likely cause downed trees and saturation problems in the park. An assessment is anticipated for Thursday or Friday.
- *San Antonio Missions National Historic Park:* All employees are accounted for. The park will be closed through the weekend, but could open on Monday. Heavy rains and flash flooding are expected.
- *Lyndon B. Johnson National Historic Park:* The park is closed, and all weekend events are canceled.



- Jean Lafitte National Historic Park: The park remains closed through the weekend, and closures include Barataria Preserve trails and Chalmette Battlefield/National Cemetery grounds.
- New Orleans Jazz National Historic Park: The park remains closed through the weekend, and all programs have been cancelled.

National Park Service Response Support:

- ESF #8 (Public Health and Medical Services): NPS Public Health Officers are on standby and ready to respond if requested.
- ESF #9 (Search and Rescue): The DOI/NPS representative to the Federal Search and Rescue Coordination Group (FSARCG) is on site and working with other federal partners in College Station, Texas. The group worked several issues August 26, to include available resources to respond to Texas and Louisiana in case requested. This group also worked with several DOI elements to coordinate the possible use of DOI Unmanned Aircraft Systems (UAS) assets under a FEMA Mission Assignment.
- ESF #11 (Agriculture and National Resources): Natural and Cultural Resources have been identified to support federal response, as needed.
- ESF #13 (Public Safety and Security): The Southeast Region (SER) Law Enforcement Special Event Team (SET) is ready and on standby to respond under FEMA Mission Assignment, if needed.

**U.S. Fish and Wildlife Service Hurricane Harvey Update**

Source: U.S. Fish and Wildlife Service – August 27, 2017

The U.S. Fish and Wildlife Service (USFWS) is monitoring Tropical Storm Harvey and coordinating as necessary. USFWS provided the updates below for the USFWS Southwest Region and the USFWS Southeast Region:

USFWS Southwest Region Actions and Impacted Station Updates:

An Incident Management Team (IMT) is staged at the Balcones Canyonlands National Wildlife Refuge (NWR), and an Incident Commander has been assigned. An Incident Action Plan (IAP) will be created tomorrow and the primary objective will be to perform an assessment so the Response Team can order appropriate resources. The response team has two task forces. Sunday August 27, is the travel day for identified resources. Tuesday August 29 is the projected date of entry. Limited access is anticipated due to flooding.

Over the next 24-hour operational period, FWS will deploy Law Enforcement Surge Team members from Oklahoma and two SAW Teams from Arizona and New Mexico to Balcones Canyon NWR. South Texas Resources will focus on local Refuge assessments, when access to locations is feasible. Two boat teams and two SORT teams have been rostered from the Southeast Region. Estimated mobilization of the Hurricane Response Trailer to Mississippi Sandhill Crane NWR is Monday.

All USFWS locations within the impacted area have accounted for their staff, and there have been no requests for assistance. There are 227 employees on weather-related administrative leave at this time.

## USFWS Southwest Region Office Status:

- Coastal Ecological Services Field Office (Corpus Christi, TX) – Closed
- Coastal Ecological Services Field Office (Clear Lake City, TX) – Closed
- Houston Ecological Services Field Office (Houston, TX) - Closed
- Office of Law Enforcement (Houston, TX office) – Closed
- Lafayette, LA Science Applications – Open
- Fisheries (Houston, TX Office) – Closed
- Migratory Birds (Lafayette LA, JV Office) – Open
- Houston Urban Office - Closed

## USFWS Southwest Region Refuge Status:

- Aransas NWR – Closed
- Lower Rio Grande Valley Refuge Complex – Closed
- Texas Mid-Coast Refuge Complex – Closed
- Texas Chenier Plains Refuge Complex – Closed
- Attwater Prairie Chicken NWR – Closed
- Trinity River NWR - Closed

USFWS Southeast Region Actions and Impacted Station Updates:

## USFWS Southeast Region Refuge Status:

- Southwest Louisiana NWR Complex - Closed
- Shell Keys NWR - Closed
- Cameron Prairie NWR - Closed
- Lacassine NWR - Closed
- Sabine NWR - Closed

## USFWS Current Request for Information (RFI) and/or Inter and Intra-agency Unmet Needs:

- DOI and FEMA have identified a location for a joint DOI Incident Management Team to be located at the Incident Support Team location at Naval Air Station (NAS) Corpus Christi. The facility can hold 50 people and will be available on Wednesday August 30. FWS will incorporate staffing at a minimum of one liaison position at that facility.
- ESF # 9 (Search and Rescue) is requesting assistance. Region 4 has established two Watercraft Strike Teams (A and B). Team A's first priority is to support FWS Region 2 and if not needed then be available for an ESF #9 Mission Assignment. Team B's first priority would be to support ESF #9. Each team will be made up of 6 shallow draft watercrafts (e.g., flat bottom boats in the approximate length of 14 to 22 feet).
- ESF # 10 (Oil and Hazardous Materials Response), the Service's Spill Response Teams are monitoring Hurricane Harvey's impacts and are available if needed.
- ESF # 11 (Agriculture and Natural Resources) have asked Departments and Agencies to identify available resources for historic preservation - structural specialists and endangered species biologists. There are three USFWS historical preservation structural specialists available to deploy, depending on the duration. Endangered species biologists are available to deploy.
- ESF # 13 (Public Safety and Security): DOI has committed 50 law enforcement officers as part of two Quick Reaction Teams (QRTs) that are currently on standby. Twenty-three volunteer Federal

Wildlife Officers from Region 4, Region 5, and Region 6, are available to meet this request. The Service's Region 4 is supporting this initial request with 13 Federal Wildlife Officers. DOI coordinator indicated that deployments are not likely to occur until after the weekend and that the DOI team is 15th in the cue, unlikely to deploy until later in the week if needed. USFWS will keep the R5 and R6 volunteers on standby in case called upon for additional support.

### **DOI Office of Environmental Policy and Compliance Hurricane Harvey Update**

*Source: Office of Environmental Policy and Compliance – August 27, 2017*

Emergency Support Function (ESF) #11 was activated on August 25. DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. ESF #11 staff have been deployed to the Regional Response Coordination Center (RRCC) in Denton, Texas; the Initial Operating Facility in Baton Rouge, Louisiana; and with the Incident Management Assistance Team (IMAT) at the Texas State Operations Center. ESF #11 will begin to hold daily coordination call beginning on Monday, August 28. DOI's Office of Environmental Policy and Compliance HQ and Regional Office in Albuquerque will participate.

### **DOI Interior Operations Center (IOC) Change of Activation Level**

*Source: Office of Emergency Management – August 27, 2017*

Due to the significant impacts of Hurricane Harvey and expected subsequent long-duration flooding event along the Texas coast, the IOC will activate to a Level 2 (Severe Operations). The IOC will enhance its operational status to Level 2 (Severe Operations) effective August 27, 2017, at 8:00 a.m. EDT. The IOC will maintain augment staffing with additional Office of Emergency Management and Incident Support Team personnel. The IOC will produce the Emergency Management Daily Situation Report at 08:00 a.m. EDT, as well as an incident specific SPOTREP at 6:00 p.m. EDT, Monday through Friday. Over the weekend, the IOC will maintain the established reporting cycle, implementing an 8:00 a.m. SPOTREP and 6:00 p.m. EDT SPOTREP specific to Hurricane Harvey activities. The IOC will participate in scheduled interagency meetings and teleconferences/video teleconferences as necessary, while modifying the DOI Operational Tempo to coincide with the DHS Battle Rhythm and will commence task tracking, where applicable.

### **Other Federal and State Government Reporting:**

#### **Tropical Storm Harvey Update**

*Source: DHS National Operations Center – August 27, 2017*

All Hurricane Watches and Warnings have been cancelled. A Tropical Storm Warning remains in effect from Baffin Bay, Texas to Sargent, Texas and a Storm Surge Warning remains in effect from Port Aransas, Texas to Sargent, Texas.

The FEMA National Watch Center is at a Steady State, and the FEMA National Response Coordination Center (NRCC) is activated to Level I (Full Activation 24/7 Operations). The FEMA Region VI Regional Response Coordination Center (RRCC) is activated to Level I (24/7 operations). The Texas Emergency Operations Center (EOC) is a Full Activation, and the Louisiana EOC is at Partial Activation with ESF's 1, 3, 6, 7, 8, and DoD supporting.

#### **Texas:**

Mandatory evacuation orders remain in effect for the City of Port Aransas and San Patricio, Calhoun, Aransas, and Refugio counties. There are 14 injuries due to Harvey, and no confirmed fatalities. Texas has 24 shelters open with 1,450 occupants. Approximately 787,500 residents are under voluntary evacuation

orders. Three hospitals with approximately 100 patients were evacuated in Texas. As of 5:00 a.m. DOE EAGLE-I reports power outages for 261,000 residents.

Louisiana

A voluntary evacuation order is in effect for Cameron Parish, Louisiana where there is one shelter open with no occupants. There are reports of two isolated tornados in far southwest Louisiana, in Cameron Parish. There are no reports of injuries or fatalities.

**Operations Order #13-2017 Amendment 8**

*Source: FEMA Operations Center: - August 27, 2017*

Effective immediately the FEMA Region VIII IMAT will divert from their original assignment at the Austin, Texas IOF and proceed to the RSOI in Denton, Texas. The FEMA Region VII IMAT will mobilize from their currently deployed location in Louisiana and redeploy to the Interim Operating Facility in Austin, Texas and be prepared to support follow-on operations.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency
- FEMA NRCC DOI SILC Member



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16f-17

**Subject:** Tropical Storm Harvey

**Date:** August 27, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas

**Update:** Update #6

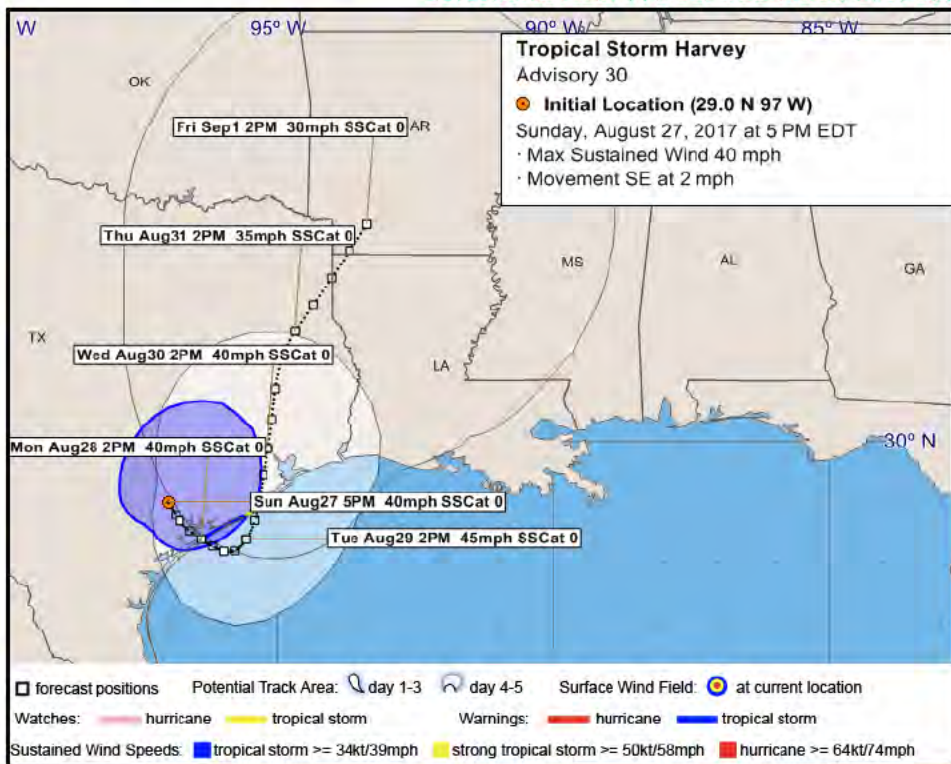
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 27, 2017*

As of 5:00 p.m. EDT, Tropical Storm Harvey is located 25 miles northwest of Victoria, Texas, with maximum sustained winds of 40 miles per hour (mph). Harvey is drifting toward southeast near 2 mph, and a slow southeastward motion is expected over the next couple of days. On the forecast track, the center is forecast to move off the middle Texas coast on Monday, and is expected to meander just offshore through Monday night. Little change in strength is forecast during the next 24 hours; however, some slight re-strengthening is possible after the center moves off coast on Monday night and Tuesday.

Harvey is expected to produce additional rain accumulations of 15 to 25 inches through Friday over the upper Texas coast and into southwestern Louisiana. Isolated storm totals may reach 50 inches over the upper Texas coast, including the Houston and Galveston metropolitan areas. These rains are currently producing catastrophic and life-threatening flooding. Flash flood emergencies are in effect for portion of southeastern Texas. Elsewhere, Harvey is expected to produce total rain accumulations of 5 to 15 inches farther south into the middle Texas coast, farther west toward the Texas Hill country, and across south-central Louisiana.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. If the peak surge occurs at the time of high tide, the water is expected to reach between 1 and 3 from Port Aransas to Morgan City, including Galveston Bay. The deepest water will occur along the immediate coast near the area of onshore winds, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. A few tornadoes are possible near the upper Texas coast and into far southwestern Louisiana through Monday.



HURREVAC Image

**DOI Mission Assignments as of August 27, 2017:**

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount
ESF #5 8/25/17 TX-17082301-DOI-01	Office of Emergency Management	Support SILC position activation at the NRCC.	\$10,000
ESF #5 8/26/17 4332DR-TX-USGS-01	United States Geological Survey	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000
ESF #9 8/26/17 TX-17082301-DOI-03	National Park Service	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000
ESF #9 8/26/17 4332DR-TX-DOI-02	Office of Aviation Services (assistance from BLM, USGS, and FWS (10 pilots))	Provide UAS support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000
ESF #11 8/25/17 TX-17082301-DOI-02	Office of Environmental Policy and Compliance	Support ESF #11 position activation at the NRCC.	\$10,000
LNO 8/26/17 4332DR-TX_DOI-01	Office of Emergency Management	Activate DOI to the FEMA NRCC to perform duties of DOI Liaison to the FEMA NRCC in support of disaster operations to Hurricane Harvey.	\$10,000

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning):**

- ESF #5-United States Geological Survey (USGS): The USGS has received a FEMA Mission Assignment to perform high water mark (HWM) flagging and surveying, once flood waters begin to

recede. The USGS is coordinating with the U.S. Army Corps of Engineers, the National Weather Service, and the Harris County Flood Control District to prioritize discharge measurements and to support partners' operational decisions.

#### ESF #8 (Public Health):

- ESF #8-National Park Service (NPS): NPS Public Health Officers are on standby and ready to respond if requested.

#### ESF #9 (Search and Rescue):

- ESF #9 (NPS): The DOI/NPS representative to the Federal Search and Rescue Coordination Group (FSARCG) is on site and working with other federal partners in College Station, Texas. The group worked several issues on August 26, to include available resources to respond to Texas and Louisiana in case they are requested. This group also worked with several DOI elements to coordinate the possible use of DOI Unmanned Aircraft Systems (UAS) assets under a FEMA Mission Assignment.
- ESF # 9-U.S. Fish and Wildlife Service (USFWS): ESF #9 is requesting assistance. USFWS Region 4 has established two Watercraft Strike Teams (A and B). Team A's first priority is to support USFWS Region 2 and if not needed, will then be available for an ESF #9 Mission Assignment. Team B's first priority would be to support ESF #9. Each team will be made up of 6 shallow-draft watercrafts (e.g., flat bottom boats in the approximate length of 14 to 22 feet).
- ESF #9 (USGS): The USGS is prepared to support a FEMA Mission Assignment to the Department of the Interior for unmanned aerial system (drone) support to response operations.

#### ESF #10 (Oil and Hazardous Materials Response):

- ESF # 10 (USFWS): The USFWS's Spill Response Teams are monitoring Tropical Storm Harvey's impacts and are available if needed.

#### ESF #11 (Agriculture and Natural Resources):

- ESF #11 (NPS): NPS Natural and Cultural Resources have been identified to support federal response, as needed.
- ESF # 11 (USFWS): Departments and Agencies have been advised to identify available resources for historic preservation/structural specialists and endangered species biologists. There are three USFWS historical preservation structural specialists available to deploy, depending on the duration. Endangered species biologists are available to deploy.
- ESF # 11-Office of Environmental Policy and Compliance (OEPC): ESF #11 was activated on August 25, and DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. ESF #11 staff have also been deployed to the Regional Response Coordination (RRCC) Center in Denton, Texas and with the Incident Management Assistance Team (IMAT) at the Texas State Operations Center. ESF #11 will begin to hold a daily coordination call beginning on August 28, and DOI's Office of Environmental Policy and Compliance Headquarters and Regional Office in Albuquerque will participate. One OEPC employee is working under the ESF #11 Mission Assignment.

**ESF #13 (Public Safety and Security):**

- ESF #13-Office of Law Enforcement and Security (OLES): ESF #9 Urban Search and Rescue (USAR) teams will require ESF #13 force protection; therefore, ESF #13 is requesting a revision to their Mission Assignment (MA) from 500 Federal law enforcement officers (LEOs) to 750 Federal (LEOs). The DOI ESF #13 Coordinator reports that the DOI teams should expect to be deployed on August 28. ESF-13 is also requesting additional mobile command vehicles (MCV), and is reaching out to DOI bureaus for this request. Currently, the Bureau of Indian Affairs (BIA) has committed one MCV. DOI Quick Reaction Teams (QRT) on standby are as follows:

## QRT 1:

- 13 USFWS personnel
- 12 NPS personnel

## QRT 2:

- 10 Bureau of Land Management (BLM) personnel
- 13 Bureau of Indian Affairs (BIA) personnel
- 2 OLES personnel

- ESF #13 (NPS): The Southeast Region (SER) Law Enforcement Special Event Team (SET) is ready and on standby to respond under FEMA Mission Assignment, if needed.
- ESF #13 (USFWS): DOI has committed 50 law enforcement officers as part of two QRT teams that are currently on standby. Twenty-three volunteer Federal Wildlife Officers from Region 4, Region 5, and Region 6 are available to meet this request. The USFWS's Region 4 is supporting this initial request with 13 Federal Wildlife Officers. The USFWS will keep the Region 5 and Region 6 volunteers on standby in case called upon for additional support.

**DOI Bureau and Office Reporting:****National Park Service Tropical Storm Harvey Update**

Source: National Park Service – August 27, 2017

Initial assessments at the Padre Island National Seashore look good. The NPS was able to inspect the entire length of the beach and observed only minimal damage at this time. Based on the historical results of past storms, a significant amount of storm debris will likely arrive at Padre Island, due to inland flooding. The Big Thicket National Preserve has two rangers on staff now, and initial assessments show high flood waters, but no damage at this time. The NPS will continue to assess the situation as the flooding will likely increase. Other parks in Texas and Louisiana will be closed through tomorrow, and the situation will be reassessed as the forecast and conditions dictate.

FEMA is requesting additional boat resources for search and rescue (SAR) operations in Texas, and the NPS is working through the Federal Search and Rescue Coordinating Group (FSARCG) to provide these assets and source them from across the country. The NPS also has a Type-2 IMT that is preparing to respond and work as an interagency team with the USFWS to coordinate the response in Texas. Based on the current assessment, NPS feels that this team can benefit the larger department and not just the NPS.



**U.S. Fish and Wildlife Service Tropical Storm Harvey Update**

*Source: U.S. Fish and Wildlife Service – August 27, 2017*

The USFWS is continuing to conduct preparations to stand-up an IMT in the Balcones Canyonlands National Wildlife Refuge in Marble Falls, Texas. The first Incident Action Plan (IAP) is expected today. Twenty-eight USFWS stations remain closed. Regional leadership personnel are working with Refuge Managers and Project Leaders to insure USFWS employees and their families are aware of all resources available to them during this extremely stressful time. The USFWS is prepared to bring in “Acting Managers” to assist with agency actions and allow impacted employees to take care of their personal needs.

The USFWS approved the use of agency resources to rescue an employee and her family from rising flood waters. This was necessary since 911 services were not available at the time. The employee and family will be sheltered at the USFWS maintenance facility in Winnie, Texas.

**U.S. Bureau of Reclamation Tropical Storm Harvey Situation Report**

*Source: United States Bureau of Reclamation – August 27, 2017*

The U.S. Bureau of Reclamation’s (USBR) Oklahoma-Texas Area Office (OTAO) continues to monitor Choke Canyon Dam and Reservoir (Nueces River Project, TX) and drainage basin. The dam is a transferred work operated by the city of Corpus Christi. Conditions remain unchanged for Choke Canyon Dam, with no significant inflows occurring yesterday. The National Weather Service provided a 5-day rainfall forecast for Choke Canyon that showed the potential for some small inflow over the next couple of days; however, this inflow would only raise the reservoir a couple of feet. Based on the current forecast and conditions, OTAO has not activated the Choke Canyon Dam Emergency Action Plan (EAP), but will continue to watch this closely and will activate it as appropriate.

At this time, the OTAO, located in Austin, Texas, remains open. Some personnel will telework to avoid driving in hazardous conditions in or around the Austin area over the coming week. The USBR, as the Department’s Principal Planner for ESF #3 (Public Works and Engineering), is in contact with the U.S. Army Corps of Engineers (USACE), but has not received any requests for deployment.

Reclamation will provide its next update relative to conditions at Choke Canyon Dam, changes in employee accountability, and/or ESF #3 information received from the USACE. The USBR Emergency Operations Center remains ready for activation upon request or necessity.

**Bureau of Safety and Environmental Enforcement (BSEE) Tropical Storm Harvey**

*Source: Bureau of Safety and Environmental Enforcement – August 27, 2017*

The Bureau of Safety and Environmental Enforcement (BSEE) reports that all of their employees have been accounted for and are safe. The BSEE Lake Jackson office was assessed by the building owners and has been deemed safe for occupation, for now. BSEE will conduct their own assessment before employees will be allowed back in; however, the issue at this point is that staff may not be able to get there. Most rivers and bayous in the Houston area are already at higher than record flood levels, making it difficult for employees of the Lake Jackson and Houston offices to even reach the facilities. The Houston offices currently have no damage incurred, but will remain closed to the public and only open to federal tenants. Administrative Leave is being recommended for Monday and Tuesday for Lake Jackson. Reports indicate that the Texas Department of Transportation is requesting people not be on the roads until later in week, unless your area has been designated as mandatory evacuation route.

## BSEE Hurricane Harvey Activity Statistics: August 27, 2017:

Offshore oil and gas operators in the Gulf of Mexico are evacuating platforms and rigs due to Tropical Storm Harvey. The BSEE Hurricane Response Team is activated and monitoring the operators' activities. The team will continue to work with offshore operators and other state and federal agencies until operations return to normal, and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

As of 12:30 p.m. EDT today, personnel have been evacuated from a total of 105 production platforms, 14.25-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from five rigs (non-dynamically positioned (DP) rig), equivalent to 50-percent of the 10 rigs of this type currently operating in the Gulf. One DP rig has moved off location out of the storm's path as a precaution. From operator reports, it is estimated that approximately 21.64-percent of the current oil production of 1,750,000 barrels of oil per day in the Gulf of Mexico has been shut-in, and approximately 25.71-percent of the natural gas production of 3,220 million cubic feet per day has been shut-in.

After the storm has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Facilities sustaining damage may take longer to bring back on line.

### United States Geological Survey Response Activities for Tropical Storm Harvey

*Source: United States Geological Survey – August 27, 2017*

Harvey has been downgraded to a tropical storm and is forecast to weaken further to a tropical depression later today or tonight. Harvey continues to produce torrential rainfall over portions of southeastern Texas, especially in the Houston metro area, resulting in catastrophic flooding in the region. The threat for heavy rainfall and continued catastrophic flooding will continue for the next several days. The USGS is continuing activities in response to Tropical Storm Harvey. The following USGS activities are being reported:

- All USGS personnel in Texas and Louisiana are accounted for.
- USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.
- USGS provided an interview on extreme flood issues in Texas for Fox national news.

#### Activities from the USGS Texas Water Science Center (TXWSC):

- All TXWSC employees are accounted for. All USGS offices in Texas are open and all USGS streamgages in Texas are currently operational.
- Fifteen (15) 2-person crews (30 staff) are in the field today making discharge measurements. Priorities are measurements at streamgages that have exceeded previous record peaks. There are extreme access issues for some locations due to extensive overland flooding.
- Crews will also be making "edge of water" assessments, as possible, to assist NASA with validation of extent of inundation mapping from satellite imagery.
- Additional crews from the Oklahoma Water Science Center and the Lower Mississippi-Gulf Water Science Center are enroute to support field work in Texas.
- A crew is on standby to assist with construction if any gages are damaged and 10 rapid deployment gages are available to deploy if needed.
- Water quality samplers and some discreet sampling that are contingent on higher flows will be done as conditions permit.
- Plans are being finalized to retrieve surge sensors that were deployed ahead of Harvey's landfall, once conditions allow access to coastal areas.

USGS geospatial support activities:

- The USGS Geospatial Response Team (GIRT) is participating in daily FEMA geospatial coordination calls.
- The GIRT is supporting distribution of CAP and NOAA imagery that will be flown as soon as safe to do so.
- The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.
- Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey: <https://hddsexplorer.usgs.gov/>
- USGS Event Support: <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>

### **DOI Office of Environmental Policy and Compliance Tropical Storm Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance – August 27, 2017*

There have been no requests for DOI assistance on ESF #10, as there have been no significant spills reported. There have been some reports of sheen and small spills, associated with stormwater management issues and the various Houston area refineries. Additional reports of spills and hazardous releases may occur when conditions allow for teams to deploy and conduct an assessment.

### **DOI Office of Natural Resource Revenue Tropical Storm Harvey Impacts**

*Source: DOI Office of Natural Resources Revenue – August 27, 2017*

The DOI Office of Natural Resources Revenue (ONRR) is reporting that employee accountability was conducted on August 26, with 98-percent of all employees being accounted for and safe. No assessment has been done on the possible damages to ONRR's Houston office at this time. The Houston Management Team has a teleconference scheduled for this afternoon to discuss the status of the storm and possible office closures.

### **DOI Telecommunication Update – Tropical Storm Harvey**

*Source: DOI Office of Chief Information Officer – August 26, 2017*

The Enterprise Service Network (ESN) reported yesterday that seven DOI sites are experiencing network outages due to Tropical Storm Harvey. One additional site reported degraded service. As of August 26, there have been no known major site outages reported. Updates will be provided as new information becomes available.

### **Other Federal and State Government Reporting:**

#### **Major Disaster Declared in Texas - Amendment**

*Source: Federal Emergency Management Agency – August 27, 2017*

On August 25, the President approved an Expedited Major Disaster Declaration (FEMA-4332-DR-TX) for the state of Texas as a result of Hurricane Harvey, beginning August 23 and continuing. The declaration was amended on August 27 to add 12 additional counties for Individual Assistance and Public Assistance.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
FEMA NRCC DOI SILC Member



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16g-17

**Subject:** Tropical Storm Harvey

**Date:** August 28, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas

**Update:** Update #7

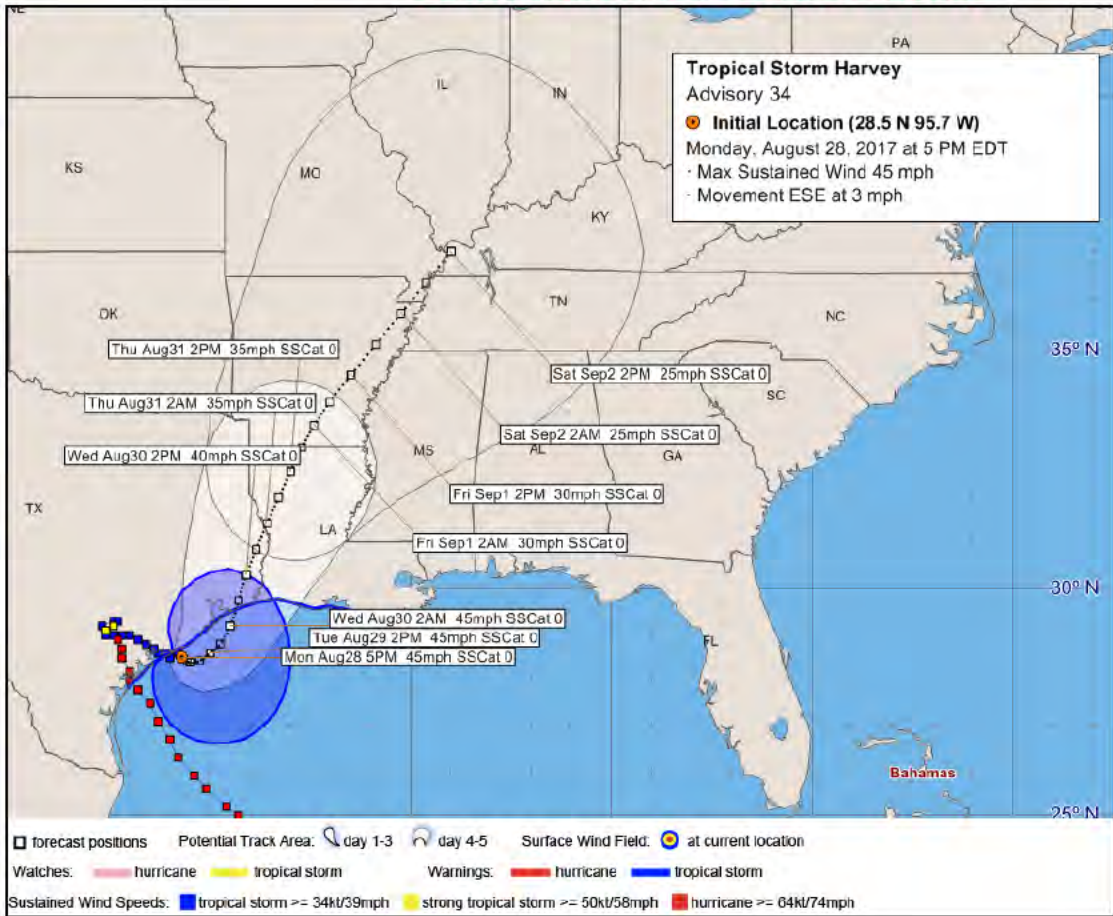
**General Situation:**

**Source:** *National Weather Service/National Hurricane Center – August 28, 2017*

As of 5:00 p.m. EDT, Tropical Storm Harvey is located 45 miles east of Port O'Connor, Texas, with maximum sustained winds of 45 miles per hour (mph). Harvey is moving towards the east-southeast near 3 mph, and a slow southeastward motion is expected through tonight. The center of Harvey is expected to be just offshore of the middle and upper coasts of Texas through tomorrow night, then move inland over the northwestern Gulf Coast on Wednesday. Little change in strength is forecast during the next 24 hours; however, some slight re-strengthening is possible after the center moves off coast on Monday night and Tuesday. A few tornadoes are possible through Tuesday across southern Louisiana and extreme southeast Texas.

Harvey is expected to produce additional rainfall accumulations of 10 to 20 inches through Thursday over parts of the upper Texas coast into southwestern Louisiana. Isolated storm totals may reach 50 inches over the upper Texas coast, including the Houston/Galveston metropolitan area. These rains are currently producing catastrophic and life-threatening flooding over large portions of southeastern Texas. Harvey is expected to produce total rain amounts of 5 to 15 inches farther south into the middle Texas coast and farther east across south-central Louisiana. Rainfall amounts of 5 to 10 inches are expected in southeast Louisiana.

A Tropical Storm Warning is in effect for Mesquite Bay to Intracoastal City, Louisiana, and extended east of Cameron, Louisiana. A Storm Surge Watch is in effect for Port Bolivar, Texas to Morgan City, Louisiana.



**DOI Mission Assignments as of August 28, 2017:**

There are currently a total of 76 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel
ESF-4 8/28/2017 4332DR-TX-USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 – NPS personnel
Emergency Support Function (ESF) #5 8/25/17 TX-17082301-DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel
ESF #5 8/26/17 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	0 USGS personnel deployed under the Mission Assignment.
ESF #9 8/26/17 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000	2 NPS Personnel

ESF #9 8/26/17 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	11 UAS Pilots BLM – 6 FWS – 1 OAS – 1 USGS – 1 NPS – 2
ESF #11 8/25/17 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	2 OEPC personnel
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked larger ESF-13 \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning):**

- ESF #5-United States Geological Survey (USGS):
  - USGS has received a FEMA Mission Assignment to perform high water mark (HWM) flagging and surveying, once flood waters begin to recede.
  - USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once HWM and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.
  - USGS has developed rating curve extensions for 25 streamgage locations in order to support National Weather Service river and flood forecasting operations.
  - USGS will be performing special streamflow discharge measurements immediately downstream of the Barker and Addicks Reservoirs in order to support U.S. Army Corps of Engineers (USACE) flood operations and inform the USACE planning.

**ESF #8 (Public Health):**

- ESF #8-National Park Service (NPS): NPS Public Health Officers are on standby and ready to respond if requested.

**ESF #9 (Search and Rescue):**

- ESF #9 (USGS): The USGS is prepared to support a FEMA Mission Assignment to the Department of the Interior for unmanned aerial system (drone) support to response operations.

**ESF #11 (Agriculture and Natural Resources):**

- ESF # 11-Office of Environmental Policy and Compliance (OEPC): ESF #11 was activated on August 25, and DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. ESF #11 staff has also been deployed to the Regional Response Coordination (RRCC) Center in Denton, Texas and with the Incident Management Assistance Team (IMAT) at the Texas State Operations Center (SOC). ESF #11 is holding daily coordination calls. DOI's Office of Environmental Policy and Compliance (OEPC) Headquarters and Regional Office in Albuquerque, New Mexico are participating in these calls. There may be a future need for DOI assets with expertise in historic structures and endangered species. There is one (1) OEPC employee working under the ESF #11 Mission Assignment.

**DOI Bureau and Office Reporting:****National Park Service Tropical Storm Harvey Update**

Source: *National Park Service – August 28, 2017*

Currently all NPS employees in the affected area have been accounted for and a number of parks remain closed. Padre Island National Seashore will see westward effects from Harvey as it moves back into the area today and may experience debris from flooding outflow near Corpus Christi, Texas. Big Thicket National Preserve is expecting several more inches of rain today and is on the north end of the storm. The park is monitoring closely and remains closed today. Jean Lafitte National Historical Park and Preserve and New Orleans Jazz National Historical Park continue to remain closed expecting additional rains today.

**U.S. Bureau of Reclamation Tropical Storm Harvey Situation Report**

Source: *United States Bureau of Reclamation – August 27, 2017*

The U.S. Bureau of Reclamation's (USBR) Oklahoma-Texas Area Office (OTAO) continues to monitor the Choke Canyon Dam and Reservoir (Nueces River Project, Texas) and drainage basin. The dam is a transferred work operated by the city of Corpus Christi. Conditions remain unchanged for the Choke Canyon Dam and it appears, at this time, that the storm will not result in any substantial inflows to the reservoir. The heavy rainfall threat has decreased significantly and has shifted east with localized accumulations of 2 to 4 inches possible. The City of Corpus Christi personnel at the dam report no damage to the facility.

The OTAO, located in Austin, Texas, remains open. Some staff will telework to avoid driving in hazardous conditions in or around the Austin area this week. All office-based and domiciled staff in the storm's area have been accounted for.

USBR, as the Department's Principal Planner for ESF #3, is in contact with the USACE and has not received any requests for deployment. USBR staff are monitoring messages and requests for data calls, capabilities, and deployment.



**United States Geological Survey Response Activities for Tropical Storm Harvey**

*Source: United States Geological Survey (USGS) – August 28, 2017*

Harvey remains a Tropical Storm and was located near Matagorda Bay on the Texas Gulf Coast at midday. Harvey is forecast to track a little further into the Gulf of Mexico before turning northward back towards the Texas Gulf Coast on Wednesday morning. No significant strengthening of the wind field is forecast; however, torrential rainfall is still forecast, with an additional 15-25" possible over portions of southeast Texas and southwest Louisiana today into Thursday.

- All USGS personnel in Texas and Louisiana are accounted for.
- USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.

**Activities from the USGS Texas Water Science Center (TXWSC)**

- All TXWSC employees are accounted for.
- Seven (7) employees of the TXWSC in Houston are isolated in their homes due to overland flooding. One (1) employee has reported water in their home. There are no requests for assistance at this time.
- All USGS offices in Texas are open.
- Sixteen (16) 2-person crews (32 staff) are in the field today making discharge measurements and equipment repairs. Teams are comprised of personnel from the TXWSC, the Oklahoma Water Science Center (OKWSC), and the lower Mississippi-Gulf Water Science Center (LMGWSC). Priorities are measurements at streamgages that have exceeded previous record peaks. There continue to be widespread access issues due to extensive overland flooding.
- Five (5) streamgages have been repaired. Seven (7) streamgages are down and will be repaired as access to locations is obtained.
- Plans are being finalized to retrieve surge sensors in the next 1-2 days for sensors that were deployed ahead of Harvey's landfall, once conditions allow access to coastal areas.
- Additional data and information from TXWSC activities is available at: <https://tx.usgs.gov/flood/Harvey/>.

**Activities from the Lower Mississippi-Gulf Water Science Center (LMGWSC)**

- All LMGWSC employees are accounted for.
- Two (2) LMGWSC crews (4 personnel) deployed to Texas to assist in field discharge measurements and equipment repairs.
- Monitoring the heavy rain moving into southern Louisiana from the outer bands associated with Harvey. Some rises are being noted on rivers, particularly in southwest Louisiana.
- LMGWSC may need to pull crews back to Louisiana for local response efforts, but will supplement efforts in Texas with crews from Arkansas and Mississippi.

**USGS Geospatial Support Activities:**

- The USGS Geospatial Response Team (GIRT) is participating in daily FEMA geospatial coordination calls.
- The GIRT is supporting distribution of the Culvert Analysis Plan (CAP) and National Oceanic and Atmospheric Administration (NOAA) imagery. Some NOAA imagery is now available for Padre Island and the Corpus Christi area.

- The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.
- Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey: <https://hddsexplorer.usgs.gov/>.
- USGS Event  
Support: <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>

### **DOI Office of Environmental Policy and Compliance Tropical Storm Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance – August 28, 2017*

There have been no requests for DOI assistance on ESF #10, as there have been no significant spills reported.

### **DOI Office of Natural Resource Revenue Tropical Storm Harvey Impacts**

*Source: DOI Office of Natural Resources Revenue – August 28, 2017*

The DOI Office of Natural Resources Revenue (ONRR) is reporting that all employees have been accounted for and there have been no requests for assistance at this time.

The Houston office is closed today, Tuesday, and Wednesday due to the storm. Employees are granted Administrative leave during this time. The ONRR will contact the property manager for the Houston office to assess the situation to determine the recommended status of building operations for Thursday.

### **DOI Telecommunication Update – Tropical Storm Harvey**

*Source: DOI Office of Chief Information Officer – August 28, 2017*

The Enterprise Service Network (ESN) reports that twelve DOI sites are experiencing network services outages or degraded service due to Tropical Storm Harvey. One site has been restored.

### **Other Federal and State Government Reporting:**

*Source: Federal Emergency Management Agency – August 28, 2017*

On August 28, the President approved an Emergency Declaration for Louisiana (FEMA-3382-EM) for Tropical Storm Harvey beginning August 27, and continuing.

Designations and types of assistance include: Emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75 percent federal funding. This assistance is for the parishes of Beauregard, Calcasieu, Cameron, Jefferson Davis, and Vermillion.

### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16h-17

**Subject:** Tropical Storm Harvey

**Date:** August 29, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #8

**DOI Mission Assignments as of August 29, 2017:**

There are currently a total of 96 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel
ESF-4 8/28/2017 4332DR-TX-USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment. Fifty member interagency team.	Subtasked under ESF-4 \$2.7m	3-NPS 1-FWS 1-BIA 1-BLM
Emergency Support Function (ESF) #5 8/25/17 TX-17082301-DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel
ESF #5 8/26/17 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	0 USGS personnel deployed under the Mission Assignment.
ESF #9 8/26/17 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation. NPS has provided an available resource list.	\$10,000	2 NPS Personnel
4332DR-TX-DOI-06	National Park	Boats and search and rescue	\$500,000	18 NPS Personnel; 8

	Service (NPS)	assets.		boats.
ESF #9 8/26/17 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas.	\$50,000	11 UAS Pilots BLM – 6 FWS – 1 OAS – 1 USGS – 1 NPS – 2
ESF #11 8/25/17 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	2 OEPC personnel
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked larger ESF-13 \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES

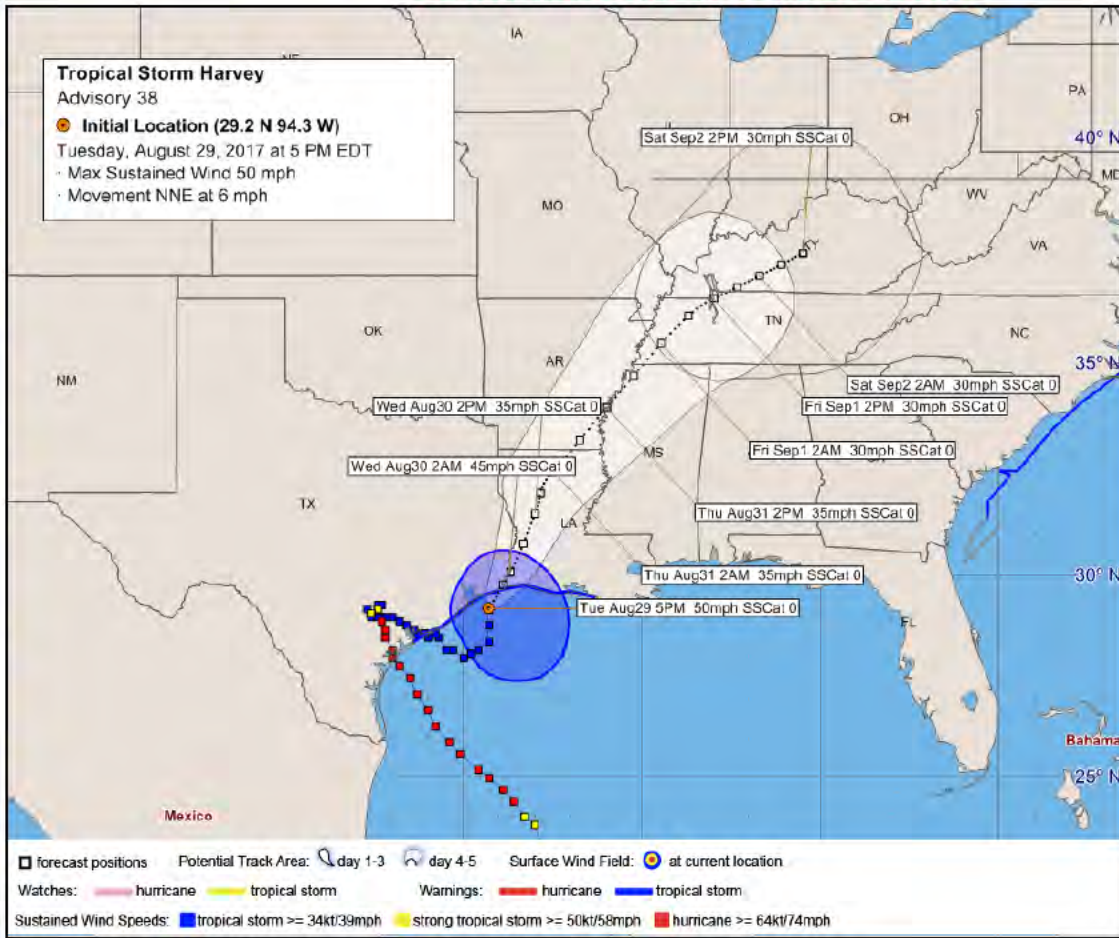
**General Situation:**

Source: National Weather Service/National Hurricane Center – August 29, 2017

As of 5:00 p.m. EDT, Tropical Storm Harvey was located about 55 miles south-southwest of Port O'Connor, Texas, with maximum sustained winds of 50 miles per hour (mph). Harvey is moving toward the north-northeast at 6 mph and this general motion is expected to continue through tomorrow. The storm should move inland over the northwestern Gulf Coast within the tropical storm warning area later tonight or early Wednesday.

Harvey is expected to produce additional rainfall accumulations of 6 to 12 inches to the north and east of Houston from far eastern Texas into southwestern Louisiana, with isolated storm totals as high as 50 inches overall, including the Houston/Galveston metropolitan area. Additional rainfall amounts of 5 to 10 inches across portions of southern Louisiana into coastal Mississippi and Alabama. Rainfall associated with Harvey will spread north by mid to late week, with rainfall amounts of 4 to 8 inches spreading into portions of Arkansas and the Tennessee Valley.

A Tropical Storm Warning is in effect for north of Port O'Connor, Texas to Morgan City Louisiana. A Tropical Storm Watch is in effect for east of Morgan City to Grand Isle, Louisiana. A Storm Surge Watch is in effect for Port Bolivar, Texas to west of Holly Beach, Louisiana. A Storm Surge Warning is in effect for Holly Beach to Morgan City, Louisiana.



## **DOI Emergency Support Function (ESF) Support:**

### **ESF #5 (Information and Planning):**

#### ESF #5-United States Geological Survey (USGS):

- USGS has received a FEMA Mission Assignment to perform high water mark (HWM) flagging and surveying. Flagging and surveying will begin once flood waters begin to recede, perhaps as early as September 1.
- USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once high water mark and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.
- USGS has developed 40 (+15) rating curve extensions in order to support National Weather Service river and flood forecasting operations.
- USGS received police escort to repair and elevate or install new rapid deployment gages at both Barker and Addicks Reservoirs in west Houston. These gages measure pool elevation at the projects and inform U.S. Army Corps of Engineers (USACE) operations. The gage in Barker Reservoir has been flooded out, and the gage in Addicks Reservoir is in danger of being flooded out.

**ESF #8 (Public Health):**

- ESF #8-National Park Service (NPS): NPS has twenty-five Public Health Officers on standby and ready to deploy if requested.

**ESF #9 (Search and Rescue):**

- ESF #9 (USGS): USGS is providing one (1) unmanned aerial system (UAS) drone pilot supporting a FEMA Mission Assignment to the Department of the Interior for response operations. USGS has 5-6 additional pilots and UAS equipment to provide if called upon.
- ESF #9 (NPS): FEMA funded Mission Assignment 4332DR-TX-DOI-06 was received for \$500k for boats and other search and rescue assets. The Federal Search and Rescue Coordination Group (FSARCG) is working to get additional resources requested from the NPS and the U.S. Fish and Wildlife Service (FWS) to support this assignment based on the Request for Information sent through the DOI Office of Emergency Management.
- Mobilized boat teams from eight park units, including 8 boats and 18 staff who should be on site in Texas by today. Also, tracking 25 additional boats from other DOI agencies and an additional 9 boats from the NPS which may be used.
- There are two staff from the NPS currently serving with the interagency FSARCG in College Station.
- DOI Office of Aviation Services (OAS) has two NPS employees from Alaska traveling to College Station.

**ESF #11 (Agriculture and Natural Resources):**

- Emergency Support Function (ESF) #11 was activated on August 25. DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. USDA ESF #11 staff has been deployed to the Regional Response Coordination Center in Denton, Texas and with the Incident Management Assistance Team at the Texas State Operations Center. ESF #11 is holding daily coordination calls. DOI's Office of Environmental Policy and Compliance HQ and Regional Office in Albuquerque are requesting.
- One OEPC employee is working under the ESF #11 mission assignment. No additional OEPC or DOI employees are deployed for either ESF #10 or ESF #11.

**ESF #13 (Public Safety and Security)**ESF #13 Office of Law Enforcement and Security (OLES):

- Two twenty-five member Quick Reaction Teams (QRT) were deployed on August 28. Two additional twenty-five member QRTs are in standby status.
- A "west side" base camp is being established at the Katy Mills Mall in Katy, Texas. The United States Marshals Service special deputation unit will be shifting their operation to this site. It is anticipated that this will be the reporting location for DOI personnel, and team members will confirm enroute.
- An "east side" base camp will be established somewhere between Houston and Beaumont, and may service any requests from Louisiana, as necessary.
- ESF #9 has requested that any law enforcement officers deployed under ESF #13 who are boat operators transport their government vessel to the staging area. It is understood that these officers are to be tasked under ESF-13 until they are demobilized and available for re-assignment under ESF-9.

**DOI Bureau and Office Reporting:****National Park Service Tropical Storm Harvey Update**

*Source: National Park Service (NPS) – August 29, 2017*

**Texas**

- Padre Island National Seashore – The park is closed. All employees have been accounted for. Twenty to thirty employees are in today removing sandbags and conducting basic cleanup and stabilization efforts. The park anticipates opening to the public on August 31. There is some water in the Visitors Center with some property damage. Current focus is on the Bird Island Campground which will be closed for an extended period of time while the shoreline is stabilized. The park believes that most damage can mostly be handled internally, with exception of shoreline stabilization.
- Big Thicket National Preserve – The park is closed. All employees have been accounted for. Last night the park received ten inches of rain. A major focus is tracking staff who are evacuating the area and maintaining contact. Staff has been working with counties locally to support boat rescues. Currently the park has no reported damage, but flooding continues and limits full assessment. Low lying areas are under water at this time.
- San Antonio Missions National Historical Park – The park is open.
- Lyndon B Johnson National Historical Park – The park is open. Assessments have been completed and there is no major damage.

**Louisiana**

- Jean Lafitte National Historical Park and Preserve and New Orleans Jazz National Historical Park – Both parks are closed. All employees have been accounted for. All facilities are closed today. Parks are currently under a flash flood warning. Rivers are approaching crest stage in some areas. No resources needed at this time.
- Cane River Creole National Historical Park – The park is open. Staff is implementing hurricane plan today and moving things to higher ground. Currently under flash flood watch through Thursday with periods of heavy rain expected today and tomorrow. The park will be closed August 30-31.

**U.S. Bureau of Reclamation Tropical Storm Harvey Situation Report**

*Source: United States Bureau of Reclamation (USBR) – August 29, 2017*

- The USBR Oklahoma-Texas Area Office (OTAO) continues to monitor Choke Canyon Dam and Reservoir (Nueces River Project, TX) and drainage basin. The dam is a transferred work operated by the city of Corpus Christi. Conditions remain unchanged for Choke Canyon Dam and it appears, at this time, that the storm will not result in any substantial inflows to the reservoir. No damage was reported to the dam as a result to the hurricane/storm.
- The OTAO, located in Austin, Texas remains open. All office-based and domiciled staff in the storm's area are accounted for.
- USBR has submitted numerous resources in response to the ESF #9 data call for water-based resource capabilities, but has not received any requests for deployment. USBR, as the Department's Principal Planner for ESF #3, is in contact with USACE and has not received any requests for deployment.



- USBR staff are monitoring messages and requests for data calls, capabilities, and deployment.
- As conditions have remained stable at Choke Canyon, and since no other Reclamation facilities are immediately threatened, USBR will next report upon a change in facility status, ESF #3 activation, employee deployment in support of another ESF, or employee accountability.

### **United States Geological Survey Response Activities for Tropical Storm Harvey**

*Source: United States Geological Survey (USGS) – August 29, 2017*

Harvey remains a Tropical Storm and was located 115 south-southwest of Cameron, Louisiana at midday on August 29. Harvey is forecast to track into southwest Louisiana Wednesday morning. Additional rainfall of 10-15 inches is forecast over southeast Texas today into Thursday.

- All USGS personnel in Texas and Louisiana are accounted for.
- USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.

#### **Activities from the USGS Texas Water Science Center (TXWSC):**

- Seven (7) employees of the TXWSC in Houston are isolated in their homes due to overland flooding. One (1) employee has reported water in their home. There are no requests for assistance at this time.
- All USGS offices in Texas are open.
- Eighteen (18) 2-person crews are in the field today making discharge measurements and equipment repairs. Teams are comprised from personnel from the TXWSC, the Oklahoma Water Science Center (OKWSC), and the Lower Mississippi-Gulf Water Science Center (LMGWSC). Priorities are measurements at streamgages that have exceeded previous record peaks. There continue to be widespread access issues due to extensive overland flooding.
- Ten (10) streamgages are damaged/not reporting and will be repaired as access to locations is obtained.
- Two crews from the TXWSC will attempt retrieval beginning August 31 of storm surge sensors deployed ahead of Harvey's landfall. Access to some locations is extremely challenging and USGS is coordinating with the State of Texas EOC on access to restricted areas where possible.
- Additional data and information from TXWSC activities is available at: <https://tx.usgs.gov/flood/Harvey/>.

#### **Activities from the Lower Mississippi-Gulf Water Science Center (LMGWSC):**

- LMGWSC pulled 1 crew previously sent to Texas back to Louisiana to perform discharge measurements on rivers in southwest Louisiana. An additional crew is performing measurements in the Baton Rouge area and southeast Louisiana.
- LMGWSC has 3 crews deployed to Texas for field measurements and equipment repair (captured in total number reported above under TXWSC activities).

#### **USGS Geospatial Support Activities:**

- The USGS Geospatial Response Team (GIRT) is supporting distribution of Civil Air Patrol and NOAA imagery. NOAA imagery is available now from Padre Island to Aransas Pass.
- The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.

- Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey: <https://hddsexplorer.usgs.gov/>.
- USGS Event Support:

<http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>

#### Activities of the Coastal and Marine Science Center (CSMC):

- Reviewing NOAA imagery being flown post-event for Harvey and coordinating with NOAA on additional imagery needs and planning.
- Some dune overwash and cuts have been noted in the Aransas Pass, Texas area based on imagery reviewed.
- Coastal Change Hazards Portal: <https://marine.usgs.gov/coastalchangehazardsportal/>

#### Bureau of Safety and Environmental Enforcement Tropical Storm Harvey Update

Source: *Bureau of Safety and Environmental Enforcement (BSEE) – August 29, 2017*

- Personnel - All personnel are currently accounted for in the impacted areas. District Managers in the affected offices were reminded to collect and be prepared to submit emergency contact information. There are several employees in the Lake Jackson and Houston areas that are experiencing flooding within their homes or are a part of the mandatory evacuation due to the levee breach. We are working to determine if any employees need evacuation assistance. We will work with NPS USR to communicate any evacuation needs.
- Facilities/District Offices:
  - Lake Jackson/Angleton: Closed through Friday.
  - Houston ETAC: Closed to the public through Friday.
  - Lake Charles: Closed through Wednesday.
  - Lafayette: Closed through Wednesday.
  - Houma: Closed Tuesday and re-evaluated Wednesday morning.
  - New Orleans Region and District Offices: Open but with telework authorized and unscheduled leave policy in effect. There is concern as the storm begins to slowly push east that New Orleans can handle the amount of rain projected given the pump situation that the city is currently facing. Elmwood Towers is in no imminent danger at this time. There is an FEB call for New Orleans Tuesday.
  - BSEE is coordinating closely with BOEM at the New Orleans office to include them in planning.
- Continuity of Operations: BSEE is continuing active conversations with BLM to activate the MOU to support BSEE continuity operations. These discussions are cautionary in nature to accommodate the New Orleans office should any event occur that take the office offline.
- BSEE Shut-In Report: <https://www.bsee.gov/newsroom/latest-news/statements-and-releases/press-releases/bsee-tropical-storm-harvey-activity-2>
  - As of 12:30 p.m., EDT today from 31 companies:
    - Oil - 319.523 barrels of oil per day (18.26% of Gulf of Mexico Production) is shut-in.
    - Gas – 615.09 millions of cubic feet (19.1% of Gulf of Mexico Production) is shut-in.
    - 102 Platforms (13.84%) and five rigs (50%) are evacuated.

**DOI Office of Environmental Policy and Compliance Tropical Storm Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance (OEPC) – August 29, 2017*

- Continue to monitor events and provide support to ESFs for issues regarding natural and cultural resources where necessary and appropriate. Continuing to gather and record reports of impacts to natural and cultural resources.
- Coordinating with Interior Museum Program on request for inundation maps to identify DOI museum resources that may be impacted by the floods. With assistance from the IOC, the SILC desk, and the ESF #11 desk at the NRCC, was able to connect DOI Interior Geospatial Emergency Management System (IGEMS) point of contact with GIS NRCC Situational Awareness to allow increased sharing of flood mapping products coming out of the NRCC.
- Organized a call with the Environmental Safeguards Group (ESG) and the DOI Animal Emergency Management Group. Provided a briefing on the potential request for DOI assistance and subject matter experts to support natural and cultural resource and animal impacts. The Office of Environmental Planning and Historic Preservation (OEHP) is working with partners to draft a staffing plan and have already begun to activate FEMA reservists with historic preservation expertise. The next call with the ESG is scheduled to occur on Wednesday.
- Coordinating with USACE and their Center of Expertise for curation and management of archaeological collections to identify if individuals from that Center can be utilized should a need be identified.
- There is no DOI assistance requested for ESF #10. No identified issues or significant incidents yet. Coast Guard is planning to begin patrols starting with the Intra-coastal Waterway down toward Corpus Christi. The Environmental Protection Agency (EPA) is developing a sampling plan to monitor contaminant levels in stormwater. Spill monitoring suggests that discharges from wastewater treatment plants are the most likely contaminant sources identified to date, along with general contaminants in the stormwater from compromised commercial and household hazardous material or waste storage.
- The Natural and Cultural Resources (NCR) Recovery Support Function (RSF) coordinated by DOI is working closely with the Response Mission teams for ESF#10 and ESF #11 to identify critical issues and begin considering recovery strategies.
  - The Heritage Emergency National Task Force (HENTF) is working with the Texas Cultural Emergency Response Alliance to identify cultural heritage institutions (museums, libraries, archives, etc) in the likely impacted areas. Students at the University of Texas, Austin I-School are volunteering to reach out to the institutions directly to identify damage, verify points of contact.
  - National Endowment of the Humanities is considering providing an emergency grant to convene a Disaster Recovery Workshop for cultural institutions with collections impacted by flooding.
  - HENTF has reached out to the Mellon Foundation who are looking to establish a Disaster Recovery Center geared toward staffing supplies and Subject Matter Experts to assist individual artists in recovering damage to their work.
  - Spill monitoring suggests that discharges from wastewater treatment plants are the most likely contaminant sources identified to date, along with general contaminants in the stormwater from compromised commercial and household hazardous material or waste storage. EPA is developing a sampling plan to monitor contaminant levels in stormwater.

- No other critical spills/releases of hazardous materials or wastes have been identified, but could be revealed as flood waters recede in the coming weeks.
- BOEM is aware of the potential need for OCS sand resources to stabilize the Gulf coastline. They have existing cooperative agreements with Texas, and are prepared to engage with the Army Corps of Engineers when they are better positioned to address this long term recovery issue.
- Endangered species identified to be potentially impacted are the Green & Loggerhead Turtle who are hatching on beaches, and the Houston Toad. Impact assessment for these species is pending.
- BIA has identified the Alabama Coushatta tribe as a federal recognized tribe in the region, however to date no direct impacts relative to natural and cultural resources have been identified. The drinking water system is operational and being closely monitored.

### **DOI Office of Natural Resource Revenue Tropical Storm Harvey Impacts**

Source: DOI Office of Natural Resources Revenue – August 29, 2017

The DOI Office of Natural Resources Revenue (ONRR) has accounted for all employees in the Houston office. The Houston office is closed Tuesday and Wednesday. The property manager for the Houston office will assess the situation to determine the status of building operations for Thursday.

### **DOI Telecommunication Update – Tropical Storm Harvey**

Source: DOI Office of Chief Information Officer – August 29, 2017

The Enterprise Service Network (ESN) reports that thirteen DOI sites are experiencing network service outages or degraded service due to Tropical Storm Harvey in Texas and Louisiana. NPS, FWS, BSEE and USGS have impacted sites. The ESN has declared a temporary Change Management Moratorium; this is a work stoppage of all activities that might impact DOI communications. This action will ensure the availability and integrity of critical network elements which are used by emergency managers and hazard response.

### **Other Federal and State Government Reporting:**

Source: Federal Emergency Management Agency – August 28, 2017

On August 28, the President approved an Emergency Declaration for Louisiana (FEMA-3382-EM) for Tropical Storm Harvey beginning August 27, and continuing.

Designations and types of assistance include: Emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75 percent federal funding. This assistance is for the parishes of Beauregard, Calcasieu, Cameron, Jefferson Davis, and Vermillion.

### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16i-17

**Subject:** Tropical Storm Harvey

**Date:** August 30, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #9

**DOI Mission Assignments as of August 30, 2017:**

There are currently a total of 96 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF #5 8/25/2017 TX-17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations	\$1,000,000	0 USGS personnel currently deployed.  USGS working to identify and stage personnel to conduct mission once flood	

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		related to Harvey		waters begin to recede  *USGS Water Science Centers are deploying personnel to collect data and repair gages	
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	Boats w/Crew Deployed: 3 NPS, 1 FWS Strike Team (9) Staged: 1 NPS En Route: 34 boats	Deployed: Harris County (NE Branch) Staging: College Station, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9 UAS Pilots BLM – 4 FWS – 1 OAS – 1 USGS – 1 NPS – 2	College Station, TX and Huntsville, TX
ESF #11 8/25/2017 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked under ATF ESF-13 MA \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES	QRT 1 in en route to Houston from San Antonio; QRT 2 en route to San Antonio to check in.

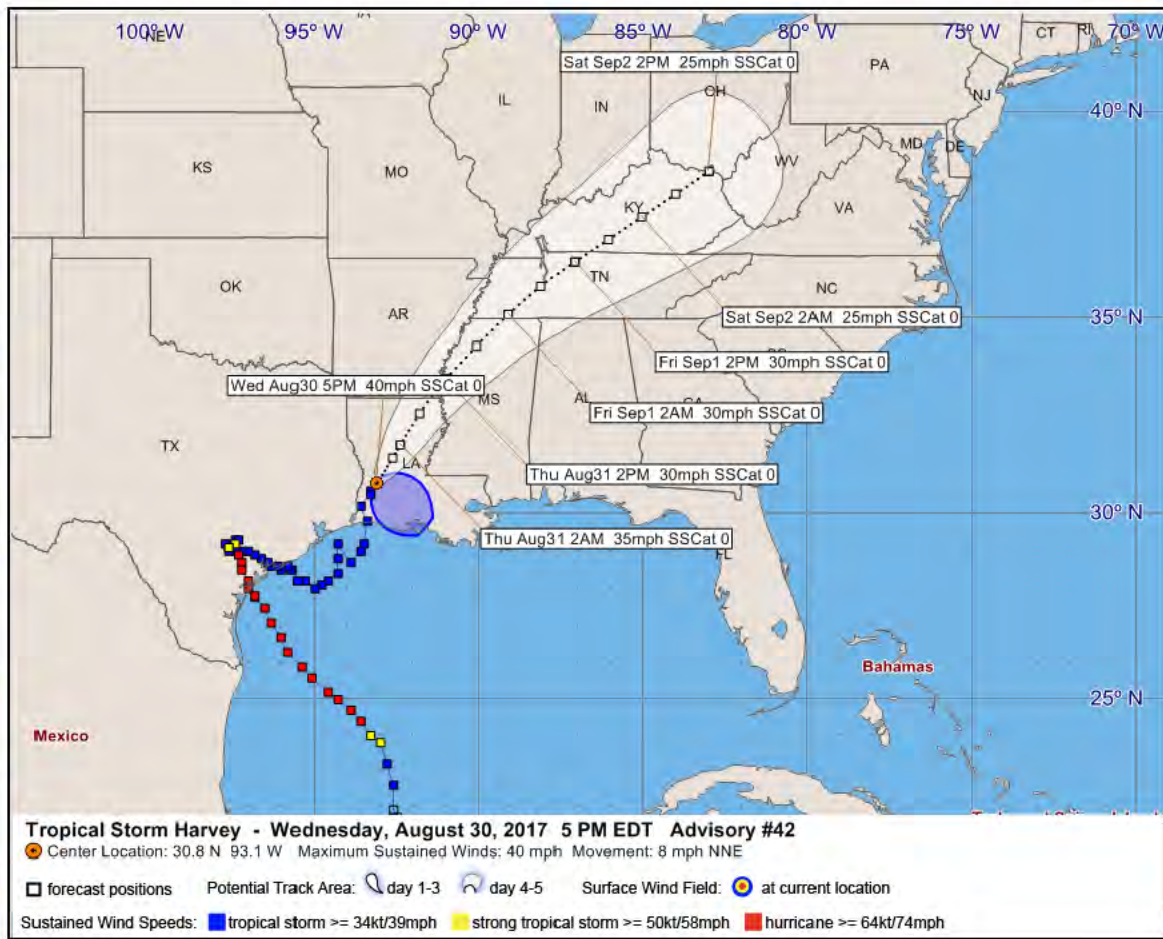
**General Situation:**

*Source: National Weather Service/National Hurricane Center – August 30, 2017*

As of 5:00 p.m. EDT, Tropical Storm Harvey was located about 50 miles north of Lake Charles, Louisiana, with maximum sustained winds of 40 miles per hour (mph). Harvey is moving toward the north-northeast at 8 mph and this general motion is expected to continue through tomorrow.

Harvey is expected to produce additional rainfall accumulations of 4 to 8 inches from southwestern Louisiana and the adjacent border of eastern Texas northeastward into western Tennessee and Kentucky through Friday with isolated amounts up to 12 inches. The threat of heavy rains has ended in the Houston/Galveston area. Catastrophic and life threatening flooding will continue in and around Houston, Beaumont, and Port Arthur, eastward into southwest Louisiana for the rest of the week.

A Tropical Storm Warning is in effect from Sabine Pass, Texas to Grand Isle, Louisiana. Tropical storm force winds extend to 140 miles.



Hurrevac Image



**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning):**

Source: ESF #5-United States Geological Survey (USGS):

- USGS is planning to start work under TX-17082301-DOI-01 on September 1, with 2 crews (4 staff) from the Texas Water Science Center that will begin collecting high water marks (HWM) along the coastal areas near Corpus Christi. USGS is planning a significant ramp up in activities under this mission assignment on September 3 and continuing to collect HWMs over impacted areas, using personnel from several Water Science Centers.
- USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once high water mark and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.
- USGS is supporting the development of Flood Inundation Maps that are being produced by FEMA, FEMA partners, USACE MMC, NWS National Water Model, and the University of Texas. Coordination is managed by FEMA HQ Response Geospatial Office. The maps are using primarily USGS Streamgages and National Weather Service short-term forecasts as inputs to produce maps daily. As more USGS High-Water Mark and sensor data become available, those maps will continue to be refined.

**ESF #8 (Public Health):**

- ESF #8-National Park Service (NPS): NPS has twenty-five Public Health Officers on standby and ready to deploy if requested.

**ESF #9 (Search and Rescue):**

- ESF #9 (USGS): USGS is providing one (1) unmanned aerial system (UAS-"drone") pilot supporting 4332DR-TX-DOI-02 (DOI OAS managed) for response operations. USGS has 5-6 additional pilots and UAS equipment to provide if called upon.
- ESF #9 (OAS): Providing UAS support for search and rescue operations and providing imagery for identifying high priority search areas. Nine (9) UAS crews are available and 34 are on standby.

**ESF #11 (Agriculture and Natural Resources):**

- Emergency Support Function (ESF) #11 was activated on August 25. DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. USDA ESF #11 staff has been deployed to the Regional Response Coordination Center in Denton, Texas and with the Incident Management Assistance Team at the Texas State Operations Center. ESF #11 is holding daily coordination calls.

**ESF #13 (Public Safety and Security)**

Source: ESF #13 Office of Law Enforcement and Security (OLES):

- At this time, it does not appear that the state of Louisiana will request FLEO support under ESF-13.
- DOI Quick Response Team (QRT) Summary:

- **QRT 1 : DEPLOYED 28 AUGUST**  
13 - FWS Refuge  
12- NPS
- **QRT 2 : DEPLOYED 28 AUGUST**  
10 - BLM  
13 - BIA  
2 – OLES
- **QRT 3 : STANDBY**  
13 - BLM  
12 - FWS Refuge
- **QRT 4 : STANDBY**  
25 - FWS OLE
- **QRT 5 : STANDBY**  
12 - FWS Refuge  
5 - NPS  
4 - BLM  
4 – OLES
- **QRT 6 : STANDBY**  
25 - FWS OLE

QRTs 1 & 2 have started to arrive in San Antonio and are expected to be fully operational and available for assignment tomorrow. QRTs 3-6 are still in STANDBY status. There is currently no estimate for their deployment. It may be as early as this afternoon or tomorrow morning, and team members should be prepared to travel immediately upon receipt.

- The plans for a base camp in Katy, Texas have changed. The current plan is to establish a 1000-man base camp at the NRG Stadium in Houston. The United States Marshals Service (USMS) special deputation unit will be shifting their operation to this site. Team members should continue to report to San Antonio until otherwise notified. ESF-13 has set up a lodging package while they are waiting for the base camp to be operational. Responders will not be reimbursed if they secure lodging in the Dallas/Houston/Katy/San Antonio areas. This does NOT apply to lodging secured enroute.
- ESF-9 has requested that any LEOs deployed under ESF-13 who are boat operators transport their government vessel to the staging area. It is understood that these officers are to be tasked under ESF-13 until they are demobilized and available for re-assignment under ESF-9.

### **DOI Bureau and Office Reporting:**

#### **U.S. Fish and Wildlife Service Tropical Storm Harvey Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – August 30, 2017*

- Facility Status
  - TX-Coastal Ecological Services Field Office (Corpus Christi) - Closed
  - TX- Coastal Ecological Services Field Office (Clear Lake) - Closed
  - TX- Houston Ecological Services Field Office - Closed
  - Office of Law Enforcement Houston, TX - Closed
  - Lafayette Science Applications - Open
  - Fisheries (Houston office) - Closed

- Migratory Birds JV office Lafayette, LA – Closed; Reopen August 31
  - Aransas NWR - Closed
  - Lower Rio Grande Valley Refuge Complex (4 Refuges--Santa Ana, Laguna Atascosa, & Lower Rio Grande Valley NWRs) - Open
  - Texas Mid-Coast Refuge Complex (3 Refuges--Brazoria, San Bernard, and Big Boggy NWRs) - Closed
  - Texas Chenier Plains Refuge Complex (4 Refuges--Anahuac, McFaddin, Texas Point, Moody NWRs) - Closed
  - Houston Urban Office - Closed
  - Attwater Prairie Chicken NWR - Closed
  - Trinity River NWR - Closed
  - Southwest Louisiana NWR Complex (4 Refuges--Cameron Prairie NWR, Lacassine NWR, Sabine NWR, Shell Keys NWR) – Closed
- A Type 3 Incident Management Team (IMT), from the Southeast Region is rostered to support the Southwest Region. Initial conversations between the two regions have the possibility of the team covering the area between Southwest Louisiana Complex to Houston, TX down to the coastline. The team would be assessing damage at approximately 11 different locations.
  - As of today, approximately 21 employees will need temporary quarters.
  - A Type 3 Incident Management Team (IMT), from the Southwest Region is rostered to support regional recovery efforts--Stage out of Balcones Canyonland NWR. As of today the team is made of 28 people, of the 28, 21 are out in the field. The team was able to complete assessments of Corpus Christi, TX and Victoria, TX of employee's homes. The team plans on begin assessments of both, Texas Chenier Plains Refuge complex and Texas Mid-Coast Refuge Complex.

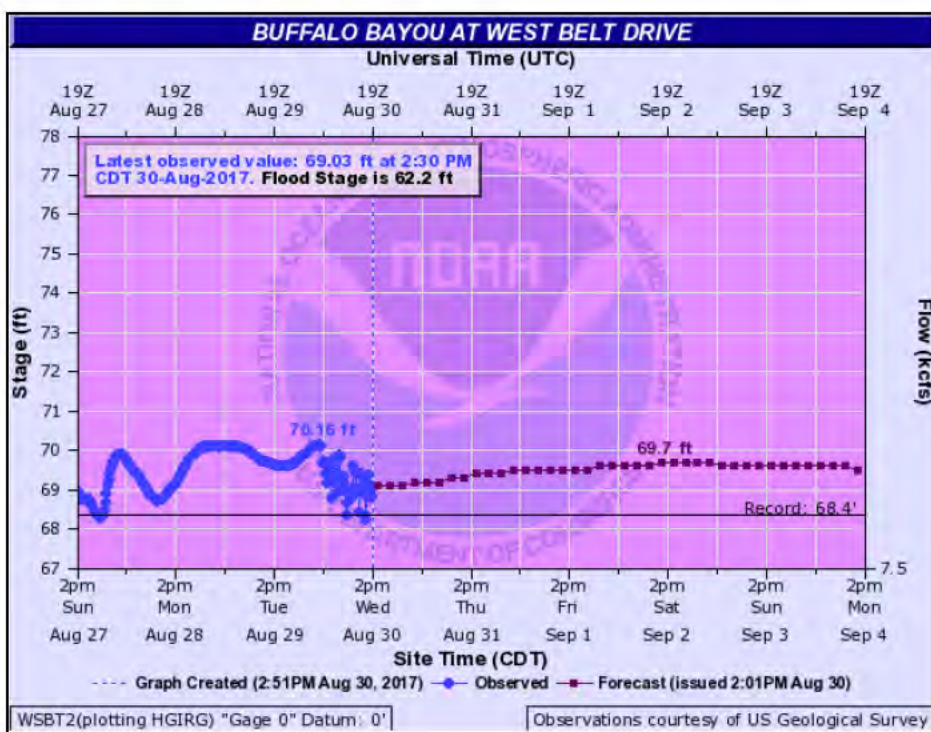
### **United States Geological Survey Response Activities for Tropical Storm Harvey**

Source: United States Geological Survey (USGS) – August 30, 2017

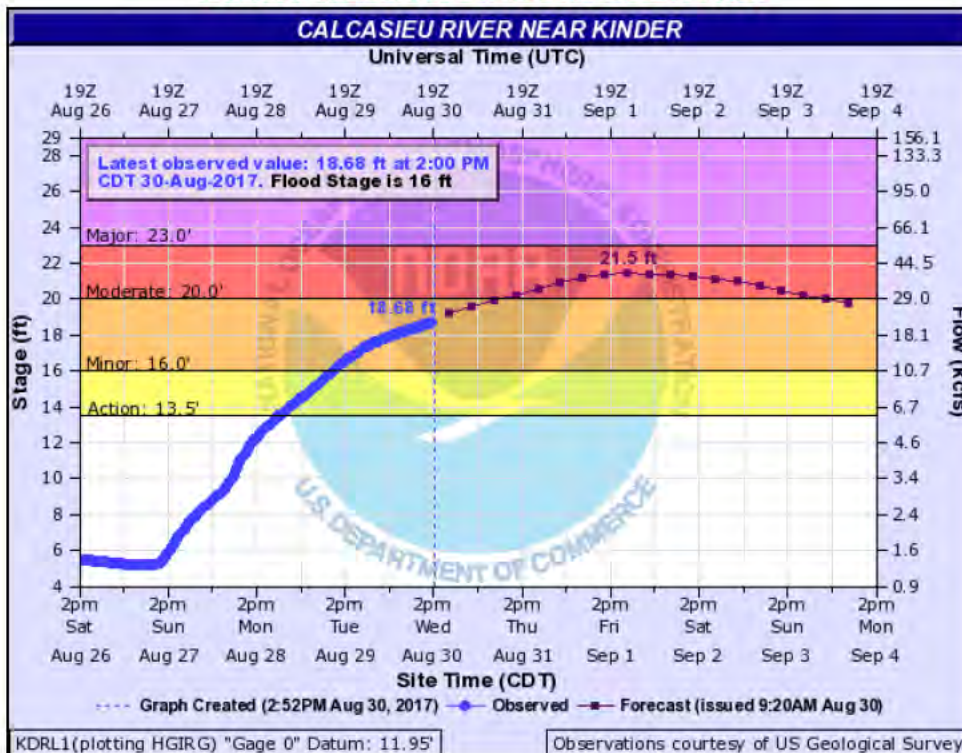
- All USGS personnel in Texas and Louisiana are accounted for. USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.
- **USGS Impacted Units/Stations/Offices and Surge Support:**
  - Texas Water Science Center (TXWSC) - All offices open, no impacts. Two staff members evacuated from homes, coordinating assistance internally.
  - Lower Mississippi-Gulf Water Science Center (LMGWSC) - All offices open, no impacts.
  - Wetland Aquatic Research Center - Lafayette and Baton Rouge, LA, offices closed today, no impacts to facilities.
  - Surge support - 2 crews (4 staff) from the Oklahoma Water Science Center and 3 crews (6 staff) from the LMGWSC are supporting 11 crews (22 staff) from the TXWSC in making discharge measurements and equipment repairs.
- **USGS Response Activities:**
  - **Activities from the USGS Texas Water Science Center (TXWSC)**
    - Sixteen (16) 2-person crews (32 staff) are in the field today making discharge measurements and equipment repairs. Teams are comprised from personnel from the TXWSC, the Oklahoma Water Science Center (OKWSC), and the Lower Mississippi-

Gulf Water Science Center (LMGWSC). Crews are also taking water quality samples, as feasible, on the Colorado, Brazos, and Trinity Rivers.

- USGS elevated and repaired the pool elevation gages at Barker and Addicks Reservoirs in west Houston. One rapid deployment gage was installed at Barker Reservoir to augment observation capabilities. These gages measure pool elevation at the projects and inform USACE operations.
- Seven (7) streamgages are damaged/not reporting and will be repaired as access to locations is obtained.
- One (1) crew (2 staff) retrieved on August 29, five (5) storm surge sensors deployed Harvey's landfall.
- Two (2) crews (4 staff) are on the coast today to retrieve the remaining 11 storm surge sensors. Validating of data and surveying of locations will begin this weekend.
- Additional data and information from TXWSC activities is available at: <https://tx.usgs.gov/flood/Harvey/>.



- **Activities from the Lower Mississippi-Gulf Water Science Center (LMGWSC)**
  - Five (5) crews (10 staff) are in the field in Louisiana making discharge measurements and assessing/repairing equipment as necessary.
  - Two (2) crews (4 staff) are in the field in Alabama making discharge measurements and assessing/repairing equipment as necessary.



o **USGS Geospatial Support Activities:**

- The Geospatial Information Response Team (GIRT) continues supporting distribution of Civil Air Patrol and NOAA imagery.
- The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.
- Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey: <https://hddsexplorer.usgs.gov/>.
- USGS Event

Support: <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>.

**Bureau of Safety and Environmental Enforcement Tropical Storm Harvey Update**

Source: *Bureau of Safety and Environmental Enforcement (BSEE) – August 30, 2017*

- The Houston Engineering Technology Assessment Center (ETAC) Office in the Leland Federal Office Building is closed through September 4. There is confirmed flooding in the basement of the building. An assessment will be done once the levels recede. All staff have been accounted for at this office.
- Lake Jackson/Angleton, TX Office will also be closed through September 4. There is no damage to the facility, however building support staff cannot make it in due to the flooding conditions, so the building remains closed.
- BSEE senior leadership will evaluate the situation on Sunday during a conference call.
- All other facilities will return to normal operations August 31 with no damage to report at this time.
- BSEE Shut-In Status Report: <https://www.bsee.gov/newsroom/latest-news/statements-and-releases/press-releases/bsee-tropical-storm-harvey-activity-3>
  - o As of 12:30 p.m., EDT today from 32 companies:
    - Oil – 323.760 barrels of oil per day (18.50% of Gulf of Mexico Production) is shut-in.
    - Gas – 611.09 millions of cubic feet (18.98% of Gulf of Mexico Production) is shut-in.

- 102 Platforms (13.84%) and five rigs (50%) are evacuated.

## DOI Office of Environmental Policy and Compliance Tropical Storm Harvey Update

Source: DOI Office of Environmental Policy and Compliance (OEPC) – August 30, 2017

- Under a mission assignment from FEMA continue to assist USDA in provide staffing and support to the ESF #11 desk at the NRCC. Continue to monitor events and provide support to ESFs for issues regarding natural and cultural resources where necessary and appropriate. Continuing to gather and record reports of impacts to natural and cultural resources
- Discussed potential mission assignment with FEMA Office of Environmental Planning and Historic Preservation (OEHP) on 8/30. OEHP still working to get their staffing plan and leadership positions in place at the various disaster offices being set up; once those core positions are in place, they'll begin to look at bulking up the staffing plan and bringing in inter-agency support if needed. Focus on subject matter experts (SMEs) needed will be Historic Property Specialists (both those who can assist with compliance, as well as those who can perform surveys and damage assessments), Endangered Species Biologists (mostly to assist with compliance), and Collection Specialists (conservators, archivists, etc.). Heritage Emergency National Task Force is being deployed to assist with museum and collections assessments and may need assistance to help perform those tasks.
- Call with ESF #11 partners on 8/30. Focus is on dealing with pet sheltering and livestock issues. Joined on the call by representatives from the DOI Animal Emergency Management Group. Offered to assist USDA/Animal & Plant Health Inspection Service with any unmet needs they may have regarding SMEs with pet and animal health and management. Working with USGS and DOI Animal Emergency Management Group to identify level of resources and expertise we can provide if USDA support is needed.
- No DOI assistance requested under ESF #10. OEPC Regional Environmental Office in Region VI reports that FWS in Corpus Christi is beginning to work with NOAA Scientific Support Coordinators (SSC) on section 7 consultations dealing with vessel salvage. That information has been shared with FWS Emergency Management and Ecological Services HQ for their situational awareness. NOAA SSC is reporting that coastal counties between Matagorda Bay and Galveston Bay had heavy flooding and are dealing with barges grounded on San Jose Island. Houston-Galveston area is not reporting (thus far) any major spills into waterways, although there have to reported tank collapses that went into secondary containment. No reports from Southeast Texas-Southwest Louisiana as of yet.
- The Natural and Cultural Resources Recovery Support Function is working closely with Response Mission teams for ESF #10 and ESF #11 to identify critical issues and to begin considering recovery strategies. Issues being worked include:
  - The Heritage Emergency National Task Force (HENTF) is working with the Texas Cultural Emergency Response Alliance to identify cultural heritage institutions (museums, libraries, archives, etc) in the likely impacted areas. Students at the University of Texas, Austin I-School are volunteering to reach out to the institutions directly to identify damage, verify points of contact.
  - National Endowment of the Humanities is considering providing an emergency grant to convene a Disaster Recovery Workshop for cultural institutions with collections impacted by flooding.

- HENTF has reached out to the Mellon Foundation who are looking to establish a Disaster Recovery Center geared toward staffing supplies and SMEs to assist individual artists in recovering damage to their work.
- BOEM is aware of the potential need for OCS sand resources to stabilize the Gulf coastline. They have existing cooperative agreements with Texas, and are prepared to engage with the Army Corps of Engineers when they are better positioned to address this long term recovery issue.
- Endangered species identified to be potentially impacted are the Green & Loggerhead Turtle who are hatching on beaches, and the Houston Toad. Impact assessment for these species is pending.
- BIA has identified the Alabama Coushatta tribe as a federal recognized tribe in the region, however to date no direct impacts relative to natural and cultural resources have been identified. The drinking water system is operational and being closely monitored.
- Have been contacted about participation in a Hurricane Harvey-specific Unified Federal Review Work Group Meeting that will be scheduled for later in the week.

### **DOI Telecommunication Update – Tropical Storm Harvey**

*Source: DOI Office of Chief Information Officer – August 30, 2017*

The Enterprise Service Network (ESN) reports that eight DOI sites are experiencing network service outages due to Tropical Storm Harvey in Texas and Louisiana. Three other sites have degraded service. NPS, FWS, BSEE and USGS have impacted sites. Two NPS sites have had power restored. The ESN has declared a temporary Change Management Moratorium; this is a work stoppage of all activities that might impact DOI communications. This action will ensure the availability and integrity of critical network elements which are used by emergency managers and hazard response.

#### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

#### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16j-17

**Subject:** Tropical Depression Harvey

**Date:** August 31, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #10

**DOI Mission Assignments as of August 31, 2017:**

There are currently a total of 118 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF #5 8/25/2017 TX- 17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	2 USGS Crews (4 personnel) currently deployed.  USGS working to identify and stage personnel to conduct mission once flood waters begin to recede	Corpus Christi, TX



ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9 UAS Pilots BLM – 4 FWS – 1 OAS – 1 USGS – 1 NPS – 2	College Station, TX
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	Sub-tasked under ATF ESF-13 MA \$5.6m	Two 25 Person Teams  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 - OLES	QRT 1 in en route to Houston from San Antonio; QRT 2 en route to San Antonio to check in.

**General Situation:**

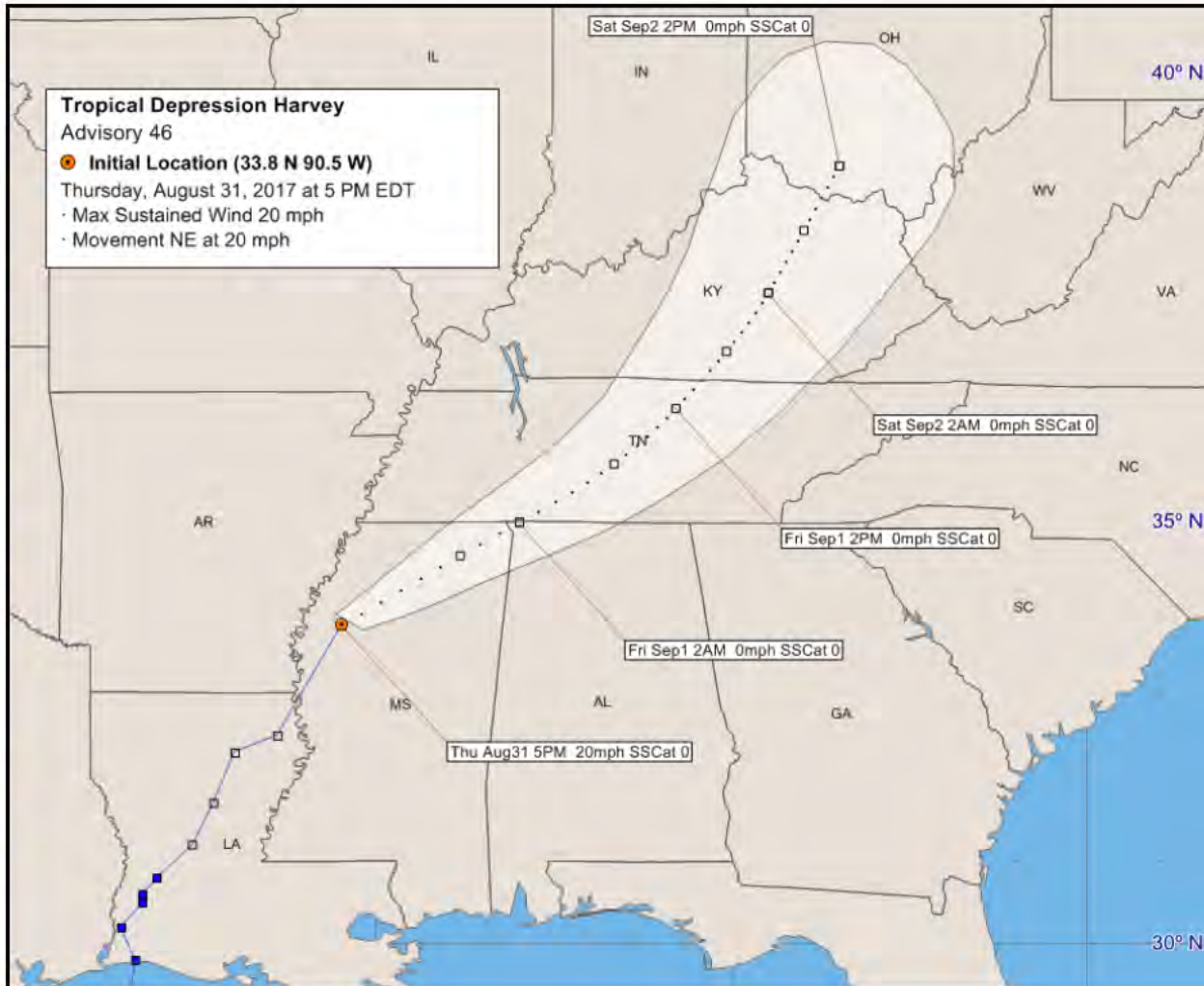
*Source: National Weather Service/National Hurricane Center – August 31, 2017*

As of 5:00 p.m. EDT, Tropical Depression Harvey was located about 30 miles northwest of Greenwood, Mississippi, with maximum sustained winds of 20 miles per hour (mph). Harvey is moving toward the northeast at 20 mph and this general motion is expected to continue through tomorrow.

Harvey is expected to produce rainfall accumulations of 2 to 5 inches from west-central Tennessee and west-central Kentucky into southeastern Indiana, southern Ohio, and west-central Virginia. Higher totals of 6 to 8 inches of rain are possible from western Tennessee to west-central Kentucky, enhancing the flash flood risk

in these areas. The threat of heavy rains has ended in the Houston/Galveston area. Catastrophic and life threatening flooding will continue in and around Houston, Beaumont, and Port Arthur, eastward into southwest Louisiana.

Flash Flood Warnings and Watches are in effect from eastern Texas through parts of the lower Mississippi Valley and into western portions of the Tennessee Valley and the Ohio Valley.



Hurrevac Image

### DOI Emergency Support Function (ESF) Support:

#### **ESF #5 (Information and Planning):**

*Source: ESF #5-United States Geological Survey (USGS):*

- USGS Support to ESF-5 -- Information and Planning
  - USGS is planning to start work under TX-17082301-DOI-01 on Friday, September 1
    - On September 1, 4 personnel from the Texas Water Science Center (TXWSC) will begin collecting high water marks (HWM) along the coastal areas near Corpus Christi.
    - On September 5, the number of personnel will increase to 10 personnel total, comprise of staff from TXWSC and from the Arizona Water Science Center (AZWSC) moving over a larger area, based on the recession of flood waters.

- Goal to have 60 personnel total, from several Water Science Centers, involved in the flagging and surveying of HWMs as quickly as possible. Personnel will work in 2-person crews for a week at a time in the field.
- USGS is completing a second Mission Assignment from FEMA Region 6, to collect and survey HWM in Louisiana. The MA is expected to be signed today funding \$200,000 worth of work. Work will begin on Friday, September 1.
- USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once high water mark and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.

#### ESF #9 (Search and Rescue):

- ESF #9 (USGS): USGS is providing one (1) unmanned aerial system (UAS-"drone") pilot supporting 4332DR-TX-DOI-02 (DOI OAS managed) for response operations. USGS has 5-6 additional pilots and UAS equipment to provide if called upon.
- ESF #9 (OAS): Providing UAS support for search and rescue operations and providing imagery for identifying high priority search areas. Nine (9) UAS crews are available and 34 are on standby.
- ESF #9 (NPS): During the Urban Search and Rescue (USAR) Operations Briefing, UAS teams from the DOI are scheduled to deploy with both state and federal SAR assets for aerial imagery support today. NPS and FWS boats have been identified as assets to be used to access areas which still are impassable by road. While the Federal Search and Rescue Coordination Group (FSARCG) is tracking additional boat assets from the DOI, mobilization of these assets is not expected at this time in Texas but may be needed in Louisiana pending assessment. There are a number of challenges with changing road conditions and many areas which need to be searched. Many areas are only accessible by air assets at this time.

#### ESF #11 (Agriculture and Natural Resources):

- DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. USDA ESF #11 staff have been deployed to the Regional Response Coordination Center in Denton, Texas and with the Incident Management Assistance Team at the Texas State Operations Center in Austin, TX. ESF #11 is holding daily coordination calls. OEPC is coordinating with DOI bureaus and ESF #11 inter-agency support partners on a potential mission assignment for ESF #11 Natural, Cultural Resources, and Historic Properties (NCH) for historic structure specialists, endangered species biologists, and museum collections specialists.

#### ESF #13 (Public Safety and Security)

Source: ESF #13 Office of Law Enforcement and Security (OLES):

- DOI Quick Response Team (QRT) Summary:
  - **QRT 1 : DEPLOYED 28 AUGUST**  
13 - FWS Refuge  
12- NPS
  - **QRT 2 : DEPLOYED 28 AUGUST**  
10 - BLM  
13 - BIA  
2 – OLES

- QRT 3 : STANDBY  
13 - BLM  
12 - FWS Refuge
  - QRT 4 : STANDBY  
25 - FWS OLE
  - QRT 5 : STANDBY  
12 - FWS Refuge  
5 - NPS  
4 - BLM  
4 – OLES
  - QRT 6 : STANDBY  
25 - FWS OLE
- QRT 1 is operational and is enroute from Houston to Galveston. QRT 2 has checked in and is enroute from San Antonio to Houston today. It is expected they will be operational in Houston tomorrow. QRTs 3-6 are still in STANDBY status. ESF-13 is working on mission briefing packets for these teams and these should be received by tomorrow morning. Team members should deploy immediately upon receipt. A QRT 7 roster will be sent to ESF-13 this afternoon.
  - Currently, the overall operating picture for ESF-13 is as follows: Today's operations include 361 FLEOs providing force protection for 27 USAR teams, 208 FLEOs providing force protection for 7 medical units, and 121 FLEOs providing direct Federal assistance (DFA) to the Houston Police Department. The MA for direct Federal assistance (DFA) to help state and local law enforcement agencies maintain law and order throughout the Houston area has been increased to 700 FLEOs. The Federal-to-Federal MA has increased to 2000 FLEOs. This brings the total request to 2700, and additional increases are expected.
  - The base camp at NRG stadium is anticipated to be operational on the evening of September 2. Alternative lodging arrangements are being coordinated by ESF-13 for tonight and tomorrow night.
  - ESF-9 has requested that any LEOs deployed under ESF-13 who are boat operators transport their government vessel to the staging area. It is understood that these officers are to be tasked under ESF-13 until they are demobilized and available for re-assignment under ESF-9.

### **DOI Bureau and Office Reporting:**

#### **U.S. Fish and Wildlife Service Tropical Depression Harvey Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – August 31, 2017*

- Facility Status
  - TX-Coastal Ecological Services Field Office (Corpus Christi) – Closed, may open September 1.
  - TX- Coastal Ecological Services Field Office (Clear Lake) - Closed

- TX- Houston Ecological Services Field Office – Closed, plan to open September 5.
  - Office of Law Enforcement Houston, TX - Closed
  - Lafayette Science Applications - Open
  - Fisheries (Houston office) - Closed
  - Migratory Birds JV office Lafayette, LA – Open
  - Aransas NWR – Closed. A damage assessment is complete. There are leaks in the headquarters building. Staff are sorting debris.
  - Lower Rio Grande Valley Refuge Complex (*4 Refuges--Santa Ana, Laguna Atascosa, & Lower Rio Grande Valley NWRs*) – Open. Limited damage to facilities, but assessments continue.
  - Texas Mid-Coast Refuge Complex (*3 Refuges--Brazoria, San Bernard, and Big Boggy NWRs*) - Closed
  - Texas Chenier Plains Refuge Complex (*4 Refuges--Anahuac, McFaddin, Texas Point, Moody NWRs*) - Closed
  - Houston Urban Office – Closed, may open September 5.
  - Attwater Prairie Chicken NWR – Closed, may open September 5.
  - Trinity River NWR – Closed. Large culverts just off of the refuge property were blown out and the river is still rising. Roads are closing as they become flooded.
  - Southwest Louisiana NWR Complex (*4 Refuges--Cameron Prairie NWR, Lacassine NWR, Sabine NWR, Shell Keys NWR*) – Cameron is closed. Lacassine's visitor center is open. Sabine is open, but water is too high to ascertain damages. Shell Keys is closed.
- There are 31 people assigned to USFWS's Type 3 Incident Management Team (IMT), from the Southwest Region (R2), rostered to support regional recovery efforts. The team is staged at Balcones Canyonlands NWR. As a part of the IMT, there is a surge team of 7 Refuge Law Enforcement Officers who will work at the direction of the Incident Commander. The team purpose is to conduct reconnaissance and make initial contact.
  - A Type 3 Incident Management Team (IMT), from the Southeast Region (R4) is rostered to support the Southwest Region (R2). Initial conversations between the two regions have the possibility of the team covering the area between Southwest Louisiana Complex to Houston, TX down to the coastline. The team would be assessing damage at approximately 11 different locations.

### **National Park Service Tropical Depression Harvey Update**

*Source: National Park Service (NPS) – August 31, 2017*

- There were no significant changes in Park Unit status since the 2030 ET report from 8/30.
- Currently the NPS has 53 staff deployed supporting operations for Hurricane Harvey response and recovery. This number does not include local assets working in home park units. A map of all resources deployed can be found at: <https://arcg.is/0viHqG>
- The Intermountain Incident Management Team (IMT) is mobilized and operational at San Antonio Missions Headquarters with nine NPS employees. An additional three technical specialists are enroute due to arrive on August 31 for advanced condition assessments. The team is working with USFWS and will begin generating an incident action plan for life safety, property preservation, and environmental stabilization on NPS and USFWS lands in Texas.

- The NPS Emergency Incident Coordination Center continues to track and monitor resources headed to Texas and continues to collect availability of assets to potentially respond to Louisiana if requested.

### United States Geological Survey Response Activities for Tropical Depression Harvey

Source: United States Geological Survey (USGS) – August 31, 2017

- All USGS personnel are accounted for. USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.
- **USGS Impacted Units/Stations/Offices and Surge Support:**
  - Texas Water Science Center (TXWSC) - All offices open, no impacts. Two staff members evacuated from homes, coordinating assistance internally.
  - Lower Mississippi-Gulf Water Science Center (LMGWSC) - All offices open, no impacts.
  - Wetland Aquatic Research Center – All offices open, no impacts.
  - Surge support – Four (4) personnel from the Oklahoma Water Science Center and nine personnel from the LMGWSC are supporting staff and field work being performed in Texas.
- **USGS Response Activities:**
  - **Activities from the USGS Texas Water Science Center (TXWSC)**
    - 43 personnel are in the field today making discharge measurements and equipment repairs. Teams are comprised from personnel from the TXWSC, the OKWSC, and the LMGWSC.
    - Seven (7) personnel are in the field today taking water quality samples, in coordination with the Texas Commission on Environmental Quality
    - Eleven (11) streamgages are currently damaged or not reporting, primarily on the lower Neches and lower Trinity River basins. Most locations are currently inaccessible. USGS has a construction crew in the field attempting to access and make repairs as possible. They have a trailer for self-lodging while deployed in the field.
    - Four (4) personnel are on the coast again today to retrieve storm surge sensors. Of the 16 surge sensors deployed, 5 have been retrieved. One sensor at San Luis Pass was lost in the storm, and one sensor near the San Bernard River will remain inaccessible until next week.
    - Additional data and information from TXWSC activities is available at: <https://tx.usgs.gov/flood/Harvey/>.
  - **Activities from the Lower Mississippi-Gulf Water Science Center (LMGWSC)**
    - Ten (10) personnel are in the field in Louisiana making discharge measurements and assessing/repairing equipment as necessary.
    - Two (2) gages are down are reporting erroneous data and are priority for repairs today.
  - **USGS Geospatial Support Activities:**
    - The Geospatial Information Response Team (GIRT) continues supporting distribution of Civil Air Patrol and NOAA imagery.
    - The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products.
    - Hazards Data Distribution System (HDDS) Explorer, events have been set up for Hurricane Harvey: <https://hddsexplorer.usgs.gov/>.
    - USGS Event Support:

<http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>.

- **Other Interagency Coordination**

- USGS is supporting the development of Flood Inundation Maps that are being produced by FEMA, FEMA partners, USACE MMC, NWS National Water Model, and the University of Texas. Coordination is managed by FEMA HQ Response Geospatial Office. The maps are using primarily USGS Streamgages and National Weather Service short-term forecasts as inputs to produce maps daily. As more USGS High-Water Mark and sensor data become available, those maps will continue to be refined.
- USGS staff from the Wetlands Aquatic Research Center are performing quality control and validation of satellite-based imagery of inundated areas. This imagery is being collected and distributed on the USGS Hazard Data Distribution System in support of the International Charter "Space and Major Disasters," which was activated under request of the USGS on behalf of State of Texas.

### **Bureau of Safety and Environmental Enforcement Tropical Depression Harvey Update**

*Source: Bureau of Safety and Environmental Enforcement (BSEE) – August 31, 2017*

- The Houston Engineering Technology Assessment Center (ETAC) Office in the Leland Federal Office Building is closed through September 4. There is confirmed flooding in the basement of the building. An assessment will be done once the levels recede. All staff have been accounted for at this office.
- Lake Jackson/Angleton, TX Office will also be closed through September 4. There is no damage to the facility, however building support staff cannot make it in due to the flooding conditions, so the building remains closed. The area around the office was put under a voluntary evacuation today as a precaution against levee failure. We have seven employees that this impacts. We don't know if they are going to evacuate yet or not because the order was only recently issued.
- BSEE senior leadership will evaluate the situation on Sunday during a conference call.
- All other facilities are open and operational.
- BSEE Shut-In Status Report: <https://www.bsee.gov/newsroom/latest-news/statements-and-releases/press-releases/bsee-tropical-storm-harvey-activity-4>
  - As of 12:30 p.m., EDT today from 31 companies:
    - Oil – 236.115 barrels of oil per day (13.49% of Gulf of Mexico Production) is shut-in.
    - Gas – 568.09 millions of cubic feet per day (17.64% of Gulf of Mexico Production) is shut-in.
    - 94 Platforms (12.75%) and five rigs (50%) are evacuated.

### **DOI Office of Environmental Policy and Compliance Tropical Depression Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance (OEPC) – August 31, 2017*

- Under a mission assignment from FEMA continue to assist USDA in provide staffing and support to the ESF #11 desk at the NRCC. Continue to monitor events and provide support to ESFs for issues regarding natural and cultural resources where necessary and appropriate. Continuing to gather and record reports of impacts to natural and cultural resources.
- ESF #11 NCH is continuing to coordinate with FEMA, DOI Bureaus and Inter-agency partners as we begin to preliminarily identify personnel who have the requested expertise and availability to assist. FEMA is still drafting a staffing plan and the anticipated request for assistance from DOI will focus

on historic structure specialists, museum and archival collection specialists, and endangered species biologists.

- Continuing to coordinate with the U.S. Geological Survey and the DOI Animal Emergency Management Community to monitor requests for assistance regarding animal health, disease outbreaks and additional wildlife issues and to offer DOI assistance when needed and appropriate.
- OEPC Regional Environmental Protection Office in Albuquerque is in communication with NOAA Scientific Support Coordinator. Spill and contaminant work currently focused in Corpus Christi/Rockport area. There have been no reports from the Houston/Galveston area since they have not been able to work or are engaged in search and rescue.
- Participated in the National Response Team meeting and no ESF #10 mission assignments as of this morning. The National Pollution Fund Center has opened a Pollution Removal Funding Authorization with NOAA as of yesterday. No requests for assistance from the NRT.
- National Natural and Cultural Resources Recovery Support Function Coordinator and Deputy Director OEPC participated in the Recovery Support Leadership Group (RSFLG) Senior Leadership Meeting. Key issues currently identified are:
  - Flooding of cultural heritage institutions and collections. The Heritage Emergency National Task Force (HENTF) is working with the federal agencies, Texas Cultural Emergency Response Alliance, Texas Historical Commission, and volunteers from Texas Universities to identify impacts to cultural institutions. Grants to fund a recovery workshop for cultural institutions and a Disaster Recovery Center for artists are under consideration by NEH and the Mellon Foundation, respectively.
  - Spills/Releases of oil/hazardous materials. EPA continues to monitor releases. Primary concerns are wastewater effluent/hazardous materials in storm water, potential releases from Superfund sites, and releases from the Arkema Plant in Crosby, TX. EPA is developing a monitoring plan for storm water. Recovery strategies will be dependent on extent of releases revealed as the flood waters recede and results of actions taken during response.
  - Debris in Watersheds/Streambank stabilization. Expected to be extensive and a significant impact to aquatic habitat. USDA is preparing to provide assistance for debris removal through its Emergency Watershed Protection Program.

#### **Office of Aviation Services**

*Source: Office of Aviation Services (OAS) – August 31, 2017*

OAS with assistance from BLM, USGS, NPS, and USFWS is providing Unmanned Aircraft Systems (UAS) support for search and rescue operations and to provide imagery for identifying high priority search areas. Nine (9) UAS pilots on site and available; one (1) UAS pilot to arrive later today, and 34 on standby. Conducted UAS test / proficiency flights on August 30.

#### **Office of Natural Resources Revenue Tropical Depression Harvey**

*Source: Office of Natural Resources Revenue (ONRR) – August 31, 2017*

All 75 of ONRR's employees have been accounted for. ONRR's Houston office will remain closed through September 5th. The property manager for the Houston office will provide an assessment of the office as soon as they are able to get onsite. One employee who traveled to Houston on official duty, safe, stuck in hotel since the hurricane, rental car flooded, scheduled to return to Denver tomorrow.



**U.S. Department of the Interior**

*Source: U.S. Department of the Interior*

Visit the DOI Hurricane Harvey Information webpage for Secretary Zinke's video along with DOI, FEMA, and OPM information: <https://www.doi.gov/emergency/hurricane-harvey-information>

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Depression Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16k-17

**Subject:** Post-Tropical Cyclone Harvey

**Date:** September 1, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #11

**DOI Mission Assignments as of September 1, 2017:**

There are currently a total of 219 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/31/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2,700,000	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m		
ESF #5 8/25/2017 TX- 17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017	United States Geological Survey (USGS)	To provide advance support, real-time field	\$1,000,000	2 USGS Crews (4 personnel) currently deployed.	Corpus Christi, TX

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4332DR-TX-USGS-01		measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey		USGS working to identify and stage personnel to conduct mission once flood waters begin to recede	
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	9 UAS Pilots BLM – 4 FWS – 1 OAS – 1 USGS – 1 NPS – 2	College Station, TX
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	\$600,000 Sub-tasked under ATF ESF-13 MA \$4.57m	Six 25 Person Teams (150 total personnel)  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA (awaiting final roster) 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge	QRT 1 operational in Galveston; QRT 2 staged in Houston; QRT 3-6 in travel status

				QRT 4 25 – USFWS  QRT 5 7 – NPS 12 – USFWS Refuge 4 – BLM 2 – OLES  QRT 6 25 - USFWS	
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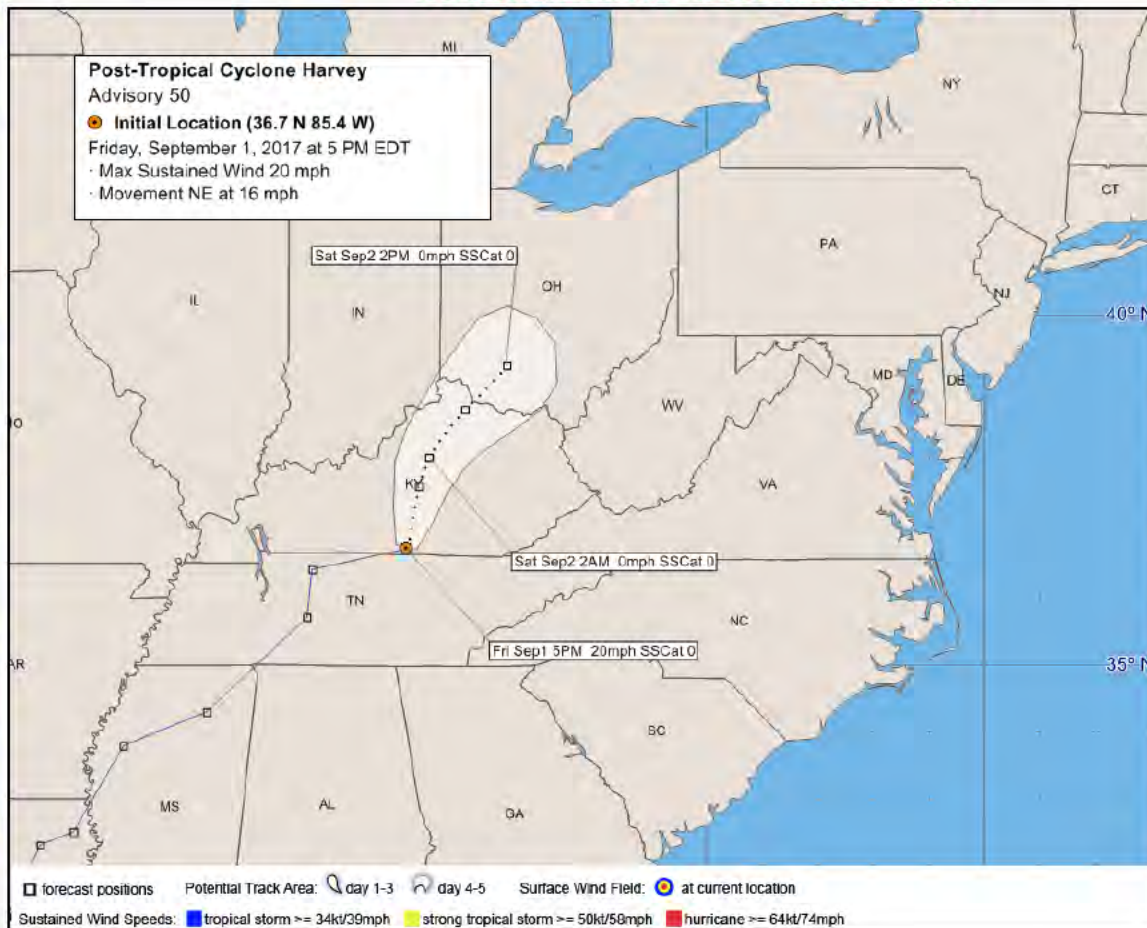
**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 1, 2017*

As of 5:00 p.m. EDT, Post-Tropical Cyclone Harvey was located about 70 miles northeast of Nashville, Tennessee, with maximum sustained winds of 20 miles per hour (mph). Harvey is moving toward the northeast at 16 mph and will continue to weaken as it passes through the Ohio Valley into tomorrow.

Harvey is expected to produce rainfall accumulations of 1 to 3 inches from western Kentucky into southeastern Indiana, southern Ohio, and western West Virginia. Higher totals of 4 to 6 inches of rain are possible around northern Kentucky, enhancing the flash flood risk in these areas. Severe flooding will continue in and around Houston, Beaumont, Port Arthur and Orange, eastward into southwest Louisiana through the weekend.

Flash Flood Warnings and Watches are in effect from portions of northern Mississippi across western Tennessee, Kentucky, southern Indiana, and southwestern Ohio. Flood Warnings remain in effect for parts of eastern Texas, including the Houston metropolitan area and into western Louisiana.



Hurrevac Image

## **DOI Emergency Support Function (ESF) Support:**

### **ESF #5 (Information and Planning):**

*Source: ESF #5-United States Geological Survey (USGS):*

- USGS Support to ESF-5 -- Information and Planning
  - USGS is planning to start work under TX-17082301-DOI-01 today.
    - Four (4) personnel from the Texas Water Science Center (TXWSC) will begin collecting high water marks (HWM) along the coastal areas near Corpus Christi.
    - On September 5, the number of personnel will increase to 10 personnel total, comprise of staff from TXWSC and from the Arizona Water Science Center (AZWSC) moving over a larger area, based on the recession of flood waters.
    - Goal to have 60 personnel total, from several Water Science Centers, involved in the flagging and surveying of HWMs as quickly as possible. Personnel will work in 2-person crews for a week at a time in the field.
  - USGS is coordinating with FEMA Region for a second Mission Assignment to collect and survey HWM in Louisiana. On September 1, personnel from USGS will be doing initial reconnaissance in specific towns of interest to FEMA to determine scope of MA.
  - USGS is coordinating with FEMA Region 6 on an Interagency Agreement to develop inundation mapping in the impacted region in Texas, once high water mark and peak streamflow information can be collected and processed. Final agreement for inundation mapping work will be completed the week of September 4, once the scope of work is known.

- ESF #5 (NPS): A NPS employee from Denver is reporting to support the FEMA National Response Coordination Center (NRCC) September 1 under the DOI Senior Interagency Liaison Cadre (SILC).

#### ESF #9 (Search and Rescue):

- ESF #9 (USGS): USGS is providing one (1) unmanned aerial system (UAS-"drone") pilot supporting 4332DR-TX-DOI-02 (DOI OAS managed) for response operations. USGS has 5-6 additional pilots and UAS equipment to provide if called upon.
- ESF #9 (OAS): Providing UAS support for search and rescue operations and providing imagery for identifying high priority search areas. Nine (9) UAS crews are available and 34 are on standby.
- ESF #9 (NPS): NPS and FWS boats have been deployed in Texas and Louisiana. There are a number of challenges with changing road conditions and many areas which need to be searched. Many areas are only accessible by air assets at this time.
- ESF #9 (USFWS): USFWS Strike Team A is a twenty member crew with nine (9) vessels and has been providing search and rescue support north of Kountze, TX in Hardin County. The Strike Team worked with U.S. Coast Guard, National Guard, Texas State Guard and FEMA and has wrapped up community support for a total of three neighborhoods and is now in a staging pattern. We have received our first compliments from a county Judge and he was extremely pleased with our support activities. We now have 19 on the crew as one member will demobilize today. We are transitioning to College Station, TX and are waiting for our next assignment. The team has currently conducted:
  - Welfare Checks – Completed 95 to 100 within three small residential communities of Kountze, TX.
  - Residential occupancy checks of people who did not evacuate flooded areas - 10. This involved boating to their locations and ensuring they had water, food, and life sustaining supplies, including re-evaluating need for evacuation for any medical situations.
  - Provided numerous water level depth checks of roads and highways via watercraft mounted depth gauges and graduated depth gauge sticks for the Hardin County Sheriff's Office so they could determine the ability to reach citizens and respond to emergency calls.
  - Team is currently enroute to College Station.

#### ESF #11 (Agriculture and Natural Resources):

- DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. USDA ESF #11 staff have been deployed to the Regional Response Coordination Center in Denton, Texas and with the Incident Management Assistance Team at the Texas State Operations Center in Austin, TX. ESF #11 is holding daily coordination calls. OEPC is coordinating with DOI bureaus and ESF #11 inter-agency support partners on a potential mission assignment for ESF #11 Natural, Cultural Resources, and Historic Properties (NCH) for historic structure specialists, endangered species biologists, and museum collections specialists.

#### ESF #13 (Public Safety and Security)

Source: ESF #13 Office of Law Enforcement and Security (OLES):

- DOI Quick Response Team (QRT) Summary:
  - QRT 1 : DEPLOYED AUGUST 28  
13 - FWS Refuge  
12- NPS

- QRT 2 : DEPLOYED AUGUST 28  
10 - BLM  
13 - BIA  
2 - OLES
  - QRT 3 : DEPLOYED SEPTEMBER 1  
13 - BLM  
12 - FWS Refuge
  - QRT 4 : DEPLOYED SEPTEMBER 1  
25 - FWS OLE
  - QRT 5 : DEPLOYED SEPTEMBER 1  
12 - FWS Refuge  
7 - NPS  
4 - BLM  
2 - OLES
  - QRT 6 : DEPLOYED SEPTEMBER 1  
25 - FWS OLE
  - QRT 7: RESERVE STATUS  
14 - NPS  
3 - OLES
  - QRT 8: RESERVE STATUS  
13- USPP
- QRT 1 is operational in Galveston. QRT 2 is awaiting assignment at base camp in Houston. QRTs 3-6 received deployment orders at approximately 0900 hours today and are in travel status. QRT 7 and QRT 8 were sent to ESF #13 this last night/this morning. These teams are considered part of the reserve and there is not currently an estimate on when they may be deployed.
  - Currently, the overall operating picture for ESF #13 is as follows: Today's operations include 233 FLEOs providing site security and force protection to ESF-8; 436 FLEOs providing force protection for ESF #9; 171 FLEOs providing direct federal assistance (DFA) to the Houston Police Department. The MA for DFA to help state and local law enforcement agencies maintain law and order throughout the Houston area has been increased to 700 FLEOs. The Federal-to-Federal MA has increased to 2000 FLEOs. This brings the total request to 2700, and additional increases are expected.
  - ESF #13 is now shifting its planning beyond this initial deployment and has begun to strategize rotation. This will be an event of an extended duration. DOI Bureaus are asked to consider FLEO resource availability 2-3 weeks from now and beyond.
  - The base camp at NRG stadium is anticipated to be operational on the evening of September 2. Alternative lodging arrangements are being coordinated by ESF #13 for tonight.

- ESF #9 has requested that FLEOs on QRTs 4-6 do not travel with boats. They are confident they can meet operational requirements with boats already in the region or enroute to that area.

### **DOI Bureau and Office Reporting:**

#### **U.S. Fish and Wildlife Service Tropical Depression Harvey Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 1, 2017*

- Facility Status
  - TX-Coastal Ecological Services Field Office (Corpus Christi) – Open
  - TX- Coastal Ecological Services Field Office (Clear Lake) - Closed
  - TX- Houston Ecological Services Field Office – Closed
  - Office of Law Enforcement Houston, TX - Open
  - Lafayette Science Applications - Open
  - Fisheries (Houston office) - Closed
  - Migratory Birds JV office Lafayette, LA – Open
  - Aransas NWR – Closed. A damage assessment for facilities and employee homes is ongoing. Clean up actions to begin.
  - Lower Rio Grande Valley Refuge Complex (*4 Refuges--Santa Ana, Laguna Atascosa, & Lower Rio Grande Valley NWRs*) – Open. Limited damage to facilities, but assessments continue.
  - Texas Mid-Coast Refuge Complex (*3 Refuges--Brazoria, San Bernard, and Big Boggy NWRs*) - Closed
  - Texas Chenier Plains Refuge Complex (*4 Refuges--Anahuac, McFaddin, Texas Point, Moody NWRs*) – Closed, Visually minimal damage.
  - Houston Urban Office – Closed
  - Attwater Prairie Chicken NWR – Closed
  - Trinity River NWR – Closed.
  - Southwest Louisiana NWR Complex (*4 Refuges--Cameron Prairie NWR, Lacassine NWR, Sabine NWR, Shell Keys NWR*) – Cameron is closed. Lacassine's visitor center is open. Sabine is open, but water is too high to ascertain damages. Shell Keys is closed.
- The FWS Region 2 (Southwest) is staged at Balcones Canyonlands NWR. There is currently 34 people assigned to the Type 3 Incident Management Team (IMT). A task force will assess Chenier Plains and one is heading to Lake Jackson today.
- As a part of the IMT, there is a surge team of 10 Refuge Law Enforcement Officers who will work at the direction of the Incident Commander. The team purpose is to conduct reconnaissance and make initial contact.
- 
- FWS's R4 (Southeast Region) Mapping Resources: The maps that were developed by USFWS that identify hazards (which are now underwater) have been extremely valuable to local law enforcement, firefighters, US Coast Guard and other rescue personnel as they go about their search and rescue operations. Several local and federal agencies have expressed gratitude to having access to the technology provided to them by USFWS.



**National Park Service Tropical Depression Harvey Update**

*Source: National Park Service (NPS) – September 1, 2017*

There were no significant park updates overnight. The NPS is monitoring parks in Texas and Louisiana and also the current track of Harvey across the Ohio Valley of the United States. At this time, no additional impacts have been reported.

**Bureau of Indian Affairs**

*Source: Bureau of Indian Affairs (BIA) – September 1, 2017*

- The Alabama Coushatta Tribe of Texas made a request to the TAC-G for additional sandbags, due to a low inventory and the future of more storms and flooding, on August 31. The sandbags are scheduled to arrive next week. No other issues or unmet needs are reported by the Tribe.
- The City of El Paso will not be receiving survivors from Harvey. As a result, the Ysleta del Sur Pueblo emergency operations center has changed to Level 4 activation (normal conditions).
- The Tunica Biloxi Tribe has the BIA generator on site. Work continues on their shelter for Tribal members coming home from the impacted area. IHS and BIA continue to support the Tribe with resources. Off-reservation Tribal families are still coping with flooding. A Tunica Biloxi team is headed to the Houston region on a relief mission next week. The Chitimacha Tribe has started a water collection in support of the Tunica Biloxi Tribe.
- The Indian Health Service continues logistical efforts from the Nashville Area Office and supporting Tribes in Texas and Louisiana.

**United States Geological Survey Response Activities for Tropical Depression Harvey**

*Source: United States Geological Survey (USGS) – September 1, 2017*

- All USGS personnel are accounted for. USGS has a coordinated information and data website at: <https://www.usgs.gov/harvey>.
- **USGS Impacted Units/Stations/Offices and Surge Support:**
  - All USGS facilities in Texas and Louisiana are open, no impacts. Two staff members of the Texas Water Science center evacuated from homes, coordinating assistance internally, no requests for assistance.
- **USGS Response Activities:**
  - **Activities from the USGS Texas Water Science Center (TXWSC)**
    - Forty-three (43) personnel are in the field today making discharge measurements and equipment repairs. Teams are comprised of personnel from the TXWSC, the OKWSC, and the LMGWSC. Personnel are also taking water quality samples, in coordination with the Texas Commission on Environmental Quality.
    - Twelve (12) streamgages are currently damaged or not reporting. Most locations are currently inaccessible. USGS has a construction crew in the field attempting to access and make repairs as possible. They have a trailer for self-lodging while deployed in the field.
    - Fourteen (14) of sixteen (16) surge sensors deployed prior to Harvey's landfall have been retrieved. Processing of data will begin today. One sensor at San Luis Pass was

lost in the storm, and one sensor near the San Bernard River will remain inaccessible until next week.

- Additional data and information from TXWSC activities is available at: <https://tx.usgs.gov/flood/Harvey/>.
- **Activities from the Lower Mississippi-Gulf Water Science Center (LMGWSC)**
  - Six (6) personnel are in the field in Louisiana making discharge measurements and assessing/repairing equipment as necessary.
- **Activities from the Coastal and Marine Science Center**
  - Continues to identify areas of dune overwash and a number of dune breaches along the Texas coast, especially along the coast north of Matagorda Island. Developing sets of pre/post storm image pairs that will be available online once processed.
  - Researchers are also using 'Structure from Motion' techniques to use incoming imagery to compute coastal elevation changes.
- **USGS Geospatial Support Activities**
  - The Geospatial Information Response Team (GIRT) continues supporting distribution of Civil Air Patrol and NOAA imagery through the USGS Event Support Mapper at <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=d96f7f94fc2b4ca0929c19fd5c606f91>.
  - The USGS is facilitating the International Charter activation, including cataloging of multiple space-based imagery products available on the Hazards Data Distribution System (HDDS) Explorer at <https://hddsexplorer.usgs.gov/>.
- **Other Interagency Coordination**
  - USGS is supporting the development of Flood Inundation Maps that are being produced by FEMA, FEMA partners, USACE MMC, NWS National Water Model, and the University of Texas. Coordination is managed by FEMA HQ Response Geospatial Office. The maps are using primarily USGS Streamgages and National Weather Service short-term forecasts as inputs to produce maps daily. As more USGS High-Water Mark and sensor data become available, those maps will continue to be refined.
  - USGS staff from the Wetlands Aquatic Research Center are performing quality control and validation of satellite-based imagery of inundated areas. This imagery is being collected and distributed on the USGS Hazard Data Distribution System in support of the International Charter "Space and Major Disasters," which was activated under request of the USGS on behalf of State of Texas.
  - The USGS National Geospatial Program has developed new 1:250,000 ratio mapping products, and is working with through USGS contract with the Defense Logistics Agency to print and deliver maps to National Guard in Texas. Although electronic maps are available online, existing print maps for the region contain data from the 1970s-1990s.

### **Bureau of Safety and Environmental Enforcement Tropical Depression Harvey Update**

*Source: Bureau of Safety and Environmental Enforcement (BSEE) – September 1, 2017*

- The Houston Engineering Technology Assessment Center (ETAC) Office in the Leland Federal Office Building will open on September 5. There is confirmed flooding in the basement of the building. An assessment will be done once the levels recede. All staff have been accounted for at this office.

- Lake Jackson/Angleton, TX Office will re-open with limited capabilities on September 5. There is no damage to the facility, however building support staff cannot make it in due to the flooding conditions and mandatory evacuations because of the local levee.
- BSEE senior leadership will evaluate the situation on Tuesday during a conference call.
- All other facilities are open and operational.
- BSEE Shut-In Status Report: <https://www.bsee.gov/newsroom/latest-news/statements-and-releases/press-releases/bsee-tropical-storm-harvey-activity-5>
  - As of 12:30 p.m., EDT today from 28 companies:
    - Oil – 152.989 barrels of oil per day (8.74% of Gulf of Mexico Production) is shut-in.
    - Gas – 405.99 millions of cubic feet per day (12.61% of Gulf of Mexico Production) is shut-in.
    - 75 Platforms (10.18%) are evacuated.

### **DOI Office of Environmental Policy and Compliance Tropical Depression Harvey Update**

*Source: DOI Office of Environmental Policy and Compliance (OEPC) – September 1, 2017*

- Under a mission assignment from FEMA continue to assist USDA in provide staffing and support to the ESF #11 desk at the NRCC. Continue to monitor events and provide support to ESFs for issues regarding natural and cultural resources where necessary and appropriate. Continuing to gather and record reports of impacts to natural and cultural resources.
- ESF #11 NCH is continuing to coordinate with FEMA, DOI Bureaus and Inter-agency partners as we begin to preliminarily identify personnel who have the requested expertise and availability to assist. FEMA is still drafting a staffing plan and the anticipated request for assistance from DOI will focus on historic structure specialists, museum and archival collection specialists, and endangered species biologists.
- Continuing to coordinate with the U.S. Geological Survey and the DOI Animal Emergency Management Community to monitor requests for assistance regarding animal health, disease outbreaks and additional wildlife issues and to offer DOI assistance when needed and appropriate.
- OEPC Regional Environmental Protection Office in Albuquerque is in communication with NOAA Scientific Support Coordinator. No request for DOI assistance under ESF #10.
- The NCR team continues to work closely with its ESF#10 and ESF#11 counterparts to maintain situational awareness and identify key recovery issues. Priority issues currently identified are:
  - Flooding of cultural heritage institutions and collections. The Heritage Emergency National Task Force (HENTF) is working with the federal agencies, Texas Cultural Emergency Response Alliance, Texas Historical Commission, and volunteers from Texas Universities to identify impacts to cultural institutions. Grants to fund a recovery workshop for cultural institutions and a Disaster Recovery Center for artists are under consideration by NEH and the Mellon Foundation, respectively.
  - Spills/Releases of oil/hazardous materials. EPA continues to monitor releases. Primary concerns are wastewater effluent/hazardous materials in storm water, potential releases from Superfund sites, and releases from the Arkema Plant in Crosby, TX. EPA is developing a monitoring plan for storm water. Recovery strategies will be dependent on extent of releases revealed as the flood waters recede and results of actions taken during response.

- Debris in Watersheds/Streambank stabilization. Expected to be extensive and a significant impact to aquatic habitat. USDA is preparing to provide assistance for debris removal through its Emergency Watershed Protection Program.

#### **Office of Aviation Services**

*Source: Office of Aviation Services (OAS) – September 1, 2017*

OAS with assistance from BLM, USGS, NPS, and USFWS is providing Unmanned Aircraft Systems (UAS) support for search and rescue operations and to provide imagery for identifying high priority search areas. Ten (10) UAS pilots are on site and available and 34 are on standby.

UAS teams are working with the Texas Aviation Operations Center in conjunction with Texas ESF #9 to schedule/implement missions in support of the incident. One team was sent to assist a local fire department with assessing road conditions and flood damage near Nome, TX. A second team is standing by for potential missions in the Katy, TX area.

#### **Office of Natural Resources Revenue Tropical Depression Harvey**

*Source: Office of Natural Resources Revenue (ONRR) – September 1, 2017*

All 75 ONRR's employees have been accounted and no requests for assistance at this time. An assessment was done on the ONRR's Houston office, no major damage and the office is scheduled to reopen on September 5.

#### **U.S. Department of the Interior**

*Source: U.S. Department of the Interior – September 1, 2017*

Visit the DOI Hurricane Harvey Information webpage for Secretary Zinke's message and video along with DOI, FEMA, and OPM information: <https://www.doi.gov/emergency/hurricane-harvey-information>.

The attached OPM links below serves to remind bureaus that a number of policies and flexibilities exist to assist Federal employees affected by a natural disaster. Heads of bureaus or their designee have the authority to implement these flexibilities pursuant to normal delegations of authority outlined in the Departmental Manual. The following links are referenced in the memorandum.

<https://www.opm.gov/policy-data-oversight/pay-leave/reference-materials/handbooks/emergencybenefits.pdf>

<https://www.chcoc.gov/content/human-resources-flexibilities-hurricane-harvey-and-its-aftermath>

#### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Depression Harvey recovery and response actions and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

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**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16I-17

**Subject:** Tropical Depression Harvey

**Date:** September 2, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #12

**DOI Mission Assignments as of September 2, 2017:**

There are currently a total of 219 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
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ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide Logistical support to multiple incident Support bases (SBs), Federal Staging Area (FSAs) or other logistics facility	Subtasked under ESF-4 \$3m	Resource staffing in progress	
ESF #5 8/25/2017 TX- 17082301- DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017	United States Geological Survey	To provide advance support, real-time field	\$1,000,000	2 USGS Crews (4 personnel) currently	Corpus Christi, TX

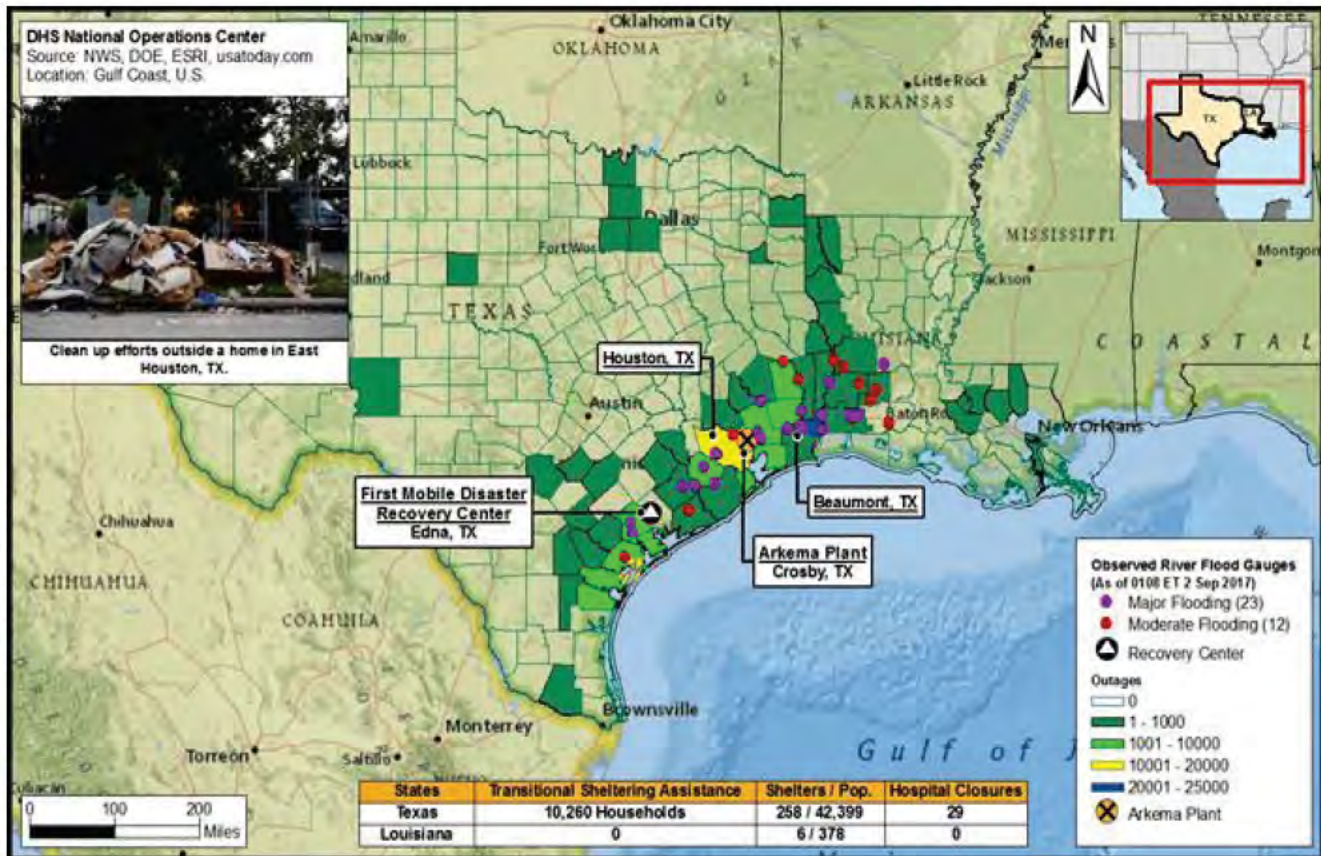
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4332DR-TX-USGS-01	(USGS)	measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey		collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total =17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	10 UAS Pilots BLM - 4 FWS - 1 OAS - 1 USGS - 1 NPS - 2	College Station, TX
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX -USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under ATF ESF-13 MA \$5.6m	Six 25 Person Teams (150 Total personnel)  QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 - OLES  QRT 3 13 - BLM 12 -USFWS Refuge  QRT 4 25 - USFWS OLE	QRT 1 operational in Galveston; QRT 2 staged in Houston; QRT 3-6 enroute to NRG Stadium - Houston, TX.

QRT 5  
 12 - USFWS Refuge  
 5 - NPS  
 4 - BLM  
 4 - OLES  
  
 QRT 6  
 25 - USFWS OLE

**General Situation:**

Source: National Weather Service/National Hurricane Center, Department of Homeland Security – September 2, 2017



DHS Graphic

As of 5:00 a.m. EDT, Post-Tropical Cyclone Harvey was located about 25 miles northwest of Lexington, Kentucky moving northeast at 13 miles per hour (mph), with maximum sustained winds of 20 mph.

Harvey has continued to weaken since Friday morning when it was declared post-tropical. The area of moderate to heavy rain located to the north of the circulation center has continued to shrink and is now confined to the mid-Ohio Valley. The circulation of Harvey is forecast to weaken and move northeastward across upstate New York on Saturday reaching Canada by Monday.

Flash flood watches and warnings as well as flood advisories in the mid-Ohio Valley have been discontinued. Flood warnings remain in effect for parts of eastern Texas, western Louisiana and as well as scattered areas in mid-Mississippi Valley.



Mass media sources have reported that have been up to 39 fatalities with more expected to be discovered as water recedes from the affected areas. Twenty-nine hospitals in Texas have been evacuated or closed. The Department of Energy estimates approximately 125,000 customers in Texas, and 676 in Louisiana are without power. Six of the ten previously closed refineries are in the process of restarting, with an additional five refineries operating at reduced rates. The Secretary of Energy has authorized the Strategic Petroleum Reserve to provide 5.3 million barrels of crude oil.

### **DOI Bureau and Office Reporting:**

#### **U.S. Fish and Wildlife Service Tropical Depression Harvey Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 1, 2017*

- Facility Status
  - Sabine NWR – The refuge is open. Assessments cannot be made to roads or levees due to high water, but the structures are in good shape and do not need repair.
  - Shell Keys NWR – The refuge is open and is accessible by boat only. Assessment is not complete and there is no damage expected to the habitat.
  - Cameron Prairie NWR – Visitor Center and Administrative Office is open. Bank Fishing Road and Pintail Drive public use facilities are closed. Damage assessment will be conducted when the water recedes.
  - Lacassine’s NWR – All facilities are open. There has been minimal damage or impact to the facilities. No actions are needed by the Incident Management Team.

The USFWS ArcGIS tool is tracking the progress of assessments. Ninety-seven of 510 assets have been assessed for damage as of 11:16 am EST on September 1, 2017.

#### **U.S. Department of the Interior**

*Source: U.S. Department of the Interior – September 1, 2017*

Visit the DOI Hurricane Harvey Information webpage for Secretary Zinke’s message and video along with DOI, FEMA, and OPM information: <https://www.doi.gov/emergency/hurricane-harvey-information>.

The attached OPM links below serves to remind bureaus that a number of policies and flexibilities exist to assist Federal employees affected by a natural disaster. Heads of bureaus or their designee have the authority to implement these flexibilities pursuant to normal delegations of authority outlined in the Departmental Manual. The following links are referenced in the memorandum.

[Pay-leave reference emergency benefits](#)

[Human resources flexibilities hurricane harvey and its aftermath](#)

### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Depression Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

### **Distribution:**

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16m-17

**Subject:** Post-Tropical Cyclone Harvey

**Date:** September 2, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #13

**DOI Mission Assignments as of September 2, 2017:**

There are currently a total of 234 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	Resource staffing in progress	
Emergency Support	Office of Emergency	Support SILC position activation	\$10,000	One 24/7 position supported by 8 DOI	FEMA HQ

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Function (ESF) #5 8/25/2017 TX-17082301-DOI-01	Management (OEM)	at the National Response Coordination Center (NRCC).		personnel	
ESF #5 8/26/2017 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	10 USGS Crews (11 personnel) currently collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	Corpus Christi, TX
ESF #6	Department of the Interior	Inspectors for supporting ESF 6 Field Inspection Services	MA Under Development	Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	Developing Roster of Volunteers
ESF #8 9/2/2017	National Park Service (NPS)	Provide support to HHS ESF-8 through the NPS Public Health Service staff	Sub-Tasked under HHS ESF-8 MA \$500,000	8 NPS Public Health Service deployed in support of HHS missions	
ESF #9 8/26/2017 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource	\$10,000	2 NPS Personnel	College Station, TX

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		list.			
ESF #9 8/29/2017 4332DR-TX- DOI-06	National Park Service (NPS)	Provide flat bottom boats, air boats, swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Sub-Tasked under US Coast Guard ESF-9 MA \$500,000	NPS - 8 Boats and 18 personnel FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	College Station, TX and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX- DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	10 UAS Pilots BLM – 4 FWS – 1 OAS – 2 USGS – 1 NPS – 2	College Station, TX Current Mission Assignment is coming to an end, Team will Demobilize on 9/3/2017 unless FEMA issues a new Mission Assignment prior to demobilization
ESF #11 8/25/2017 TX- 17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR- TX-USDJ- 01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub- tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel) QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge  QRT 4 25 –USFWS OLE  QRT 5	QRT 1 operational in Galveston QRT 2 staged in Houston QRTs 3-6 enroute to NRG Stadium - Houston, TX

				12 – USFWS Refuge 5 – NPS 4 – BLM 4 – OLES  QRT 6 25 – USFWS OLE	
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**General Situation:**

Source: National Weather Service/National Hurricane Center, Department of Homeland Security – September 2, 2017

As of 5:00 p.m. EDT, Post-Tropical Cyclone Harvey was located about 20 miles west-northwest of Lexington, Kentucky, with maximum sustained winds of 15 miles per hour (mph). Harvey continues to weaken and is expected to dissipate over the mid-upper Ohio Valley by tonight along with any lingering heavy rain and runoff threat related to the circulation. A separate area of low pressure developing over the mid-Atlantic region ahead of Harvey will interact with its remnant moisture and produce as much as 1 to 2 inches of rain over the northeast through Sunday.

Flood Warnings and Advisories continue to be scattered throughout eastern Texas, the lower Mississippi Valley, the Tennessee Valley, and the lower Ohio Valley. Residual rainfall will continue in and around the Houston, Beaumont, Port Arthur, and Orange Texas, and eastward around the Louisiana border through the remainder of the weekend.

**DOI Emergency Support Function (ESF) Support:****ESF #2 (Communications):**

Source: ESF #2 – Office of the Chief Information Officer (OCIO) – September 2, 2017

- The ESN is currently reporting four sites remain without Network Services. Five sites have had network services restored in the last 24 hours.

**ESF #4 (Firefighting):**

- ESF #4 (NPS): Three NPS personnel continue to support deployment.

**ESF #5 (Information and Planning):**

Source: ESF #5 – United States Geological Survey (USGS) – September 2, 2017

- USGS Support to ESF – 5 – Information and Planning
  - USGS has developed a new interactive visualization tool that shows Harvey's impact to watersheds across Texas and southwest Louisiana at: [Hurricane-Harvey](#)
  - MA TX-17082301-DOI-01
    - 11 personnel (5 from Texas, 4 from Florida, and 2 from New Mexico) are working under this MA today.

- Four personnel collecting high water marks (HWM) along the coastal areas near Corpus Christi, one person is providing team coordination and data entry support, and six personnel are planning for the expanding field work.
  - USGS is coordinating on a mission assignment from FEMA Region 6 to perform HWM flagging and surveying in southwest Louisiana. Final decision is expected today or Sunday. The estimated amount of the MA is \$200,000. USGS is coordinating with FEMA Region 2 on a mission assignment to deploy storm surge sensors in Puerto Rico ahead of impacts from Hurricane Irma. Final decision is expected today or Sunday. The estimated amount of the MA is \$160,000.
  - USGS National Geospatial Program produced 20, 1:250,000-scale base data maps covering the Harvey area of interest. Files were produced and transferred to Defense Logistics Agency to be printed and shipped to the TX and LA Army National Guard forward operations bases and to the DOI-IOC. Maps are expected to arrive on September 3.
- Activities from the USGS Texas Water Science Center (TXWSC) -- This information will also be reported in a Project Alert from Texas:
  - Thirty-five personnel are in the field today making discharge measurements, taking water quality samples, and performing gage repairs. Teams are comprised of 25 personnel from Texas and 10 personnel from the Lower Mississippi-Gulf Water Science Center (LMGWSC)
  - 10 streamgages are currently damaged or not reporting. 2 streamgages have been repaired.
- Activities from the LMGWSC -- This information will also be reported in a Project Alert from Tennessee.
  - Two personnel are in the field today in Tennessee making discharge measurements and assessing/repairing equipment as necessary.

#### ESF #9 (Search and Rescue):

- ESF #9 (NPS): All eight NPS boats and 18 rangers are committed to a mission in the Houston Branch today. They will be working alongside Federal Search and Rescue (SAR) assets from Nebraska, Missouri, Virginia, Washington, Oklahoma, Tennessee, and Kansas. Crews from Arches National Park, UT, Curecanti National Recreation Area, CO, New River Gorge National River, WV, Big Bend National Park, TX, and Glen Canyon National Recreation Area, AZ, UT, were teamed up with the NJ-TF1 to access the town of Wharton by high clearance military vehicle and clear neighborhoods of people who needed additional care or medical attention. Crews from Lake Mead National Recreation Area, AZ, Big Bend National Park, and Golden Gate National Recreation Area, CA were assigned to the Houston Branch to assist with evacuations as river levels began rising in that area. A UAS flight occurred 9/1 of Sienna Village, Texas on the Wharton Branch to assess possible tornado damage. Additional missions are expected for 9/2. The FSARCG remains operational with two NPS employees in College Station, TX. The primary agency for SAR was shifted today from the USCG to FEMA with concurrence from the FSARCG. Three PHS officers are mobilized under ESF #8 from HHS.

#### ESF #11 (Agriculture and Natural Resources):

- ESF #11 (OEPC): DOI is supporting staffing of the ESF #11 desk at the National Response Coordination Center. USDA ESF #11 personnel have been deployed to the Regional Response Coordination Center in Denton, Texas and with the Joint Field Office in Austin, TX. OEPC is coordinating with DOI bureaus and ESF #11 inter-agency support partners on a potential mission assignment for ESF #11 NCH for historic structure specialists, endangered species biologists, and museum collections specialists. OEPC has spoken with the FEMA Region VI Regional Environmental Officer who will be deploying to the Austin JFO. Discussion indicates that DOI

support through a MA is not likely to be requested prior to the week of September 18 at the earliest. Support that will likely be requested from DOI will be assistance with temporary housing (compliance to ensure sites chosen don't impact natural and cultural resources or mitigate impacts), compliance for infrastructure projects (repair and replacement), attending kick-off meetings (hearing from a county/city about the natural and cultural impacts and being assigned work to assist including possible site visits and assistance with grant applications), and attending applicant briefings (supporting FEMA in these briefings and making sure survivors are aware of the assistance FEMA can bring regarding natural and cultural resources).

### **ESF #13 (Public Safety and Security):**

Source: ESF #13 Office of Law Enforcement and Security (OLES):

- DOI Quick Response Team (QRT) Summary:
  - **QRT 1 : DEPLOYED 28 AUGUST**  
13 - FWS Refuge  
12- NPS
  - **QRT 2 : DEPLOYED 28 AUGUST**  
10 - BLM  
13 - BIA  
2 - OLES
  - **QRT 3 : DEPLOYED 1 SEPTEMBER**  
13 - BLM  
12 - FWS Refuge
  - **QRT 4 : DEPLOYED 1 SEPTEMBER**  
25 - FWS OLE
  - **QRT 5 : DEPLOYED 1 SEPTEMBER**  
12 - FWS Refuge  
7 - NPS  
4 - BLM  
2 - OLES
  - **QRT 6 : DEPLOYED 1 SEPTEMBER**  
25 - FWS OLE
  - **QRT 7 : RESERVE STATUS**  
14 - NPS (IMT SET, ISB)  
3 - OLES
  - **QRT 8 : RESERVE STATUS**  
13 - USPP
- QRT 1 is operational in Galveston. QRT 2 is awaiting assignment at base camp in Houston. It is expected that they will provide support to ESF #8 Disaster Medical Assistance Teams (DMATs) when they arrive in the region. QRTs 3-6 received deployment orders at approximately 0900 hours yesterday and are in travel status. QRT 7 (17 personnel) and QRT 8 (13 personnel) are considered



part of the ESF-13 reserve personnel and there is not currently an estimate on when they may be deployed.

- Currently, the overall operating picture for ESF-13 is as follows: Today's operations include 245 FLEOs providing site security and force protection to ESF-8; 465 FLEOs providing force protection for ESF-9; 194 FLEOs providing direct federal assistance (DFA) to the Houston Police Department. The FoS (Fed-to-Fed) MA remains at 2,000 FLEOs. The Direct Federal Assistance (DFA) MA remains at 700 FLEOs. Additional increases are not expected at this time.
- ESF-13 is now shifting its planning beyond this initial deployment and has begun to strategize rotation. **Please begin thinking about what manpower you will have available 1-3 weeks from now and beyond, as the expectation is that DOI will be responsible for a one-for-one rotation of our 150 deployed FLEOs.**
- "Camp Lone Star," the base camp at NRG stadium is anticipated to be fully operational this evening, Saturday, 2 September. Alternative lodging arrangements outside of base camp have also been contracted via GSA and are assigned through the ESF-13 billeting team on the ground. Deployed FLEOs should expect to double bunk from this point forward if they are assigned to the Houston area.
- **ESF-9 has requested that FLEOs on QRTs 4-6 do NOT travel with boats.** They are confident they can meet operational requirements with boats already in the region or en route to that area.

#### **ESF #15 (External Affairs):**

- ESF #15 (NPS): Public Affairs - A photographer from San Antonio Missions National Historical Park is traveling with NPS crews in Texas and gathering photos and video with coordination from the NPS Communications Office.

#### **DOI Bureau and Office Reporting:**

##### **U.S. Fish and Wildlife Service Tropical Depression Harvey Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 2, 2017*

- Facility Status
  - TX- Coastal Ecological Services Field Office (Clear Lake) - Open
  - TX- Houston Ecological Services Field Office – Open
  - Fisheries (Houston office) - Open
  - Aransas NWR – Closed. Some power has been restored. Clean up actions to commence.
  - Houston Urban Office – Open
  - Attwater Prairie Chicken NWR – Open
  - Trinity River NWR – Open
- Three task groups have initiated assessment operations today. The Aransas Group has completed assessments at Aransas and clean-up is ongoing. The Texas Mid-Coast/Lake Jackson Task Group will commence operations on access and assessments in the Mid-Coast area today. The Winnie Task Group will commence assessment operations today of Texas Chenier Plains Refuge Complex. Within the next 24 – 48 hours, Winnie Taskforce will continue assessments. The Lake Jackson Taskforce will be assessing the Texas Mid-Coast area. The Aransas Taskforce is

expected to finalize Aransas operations, refresh at Balcones and head to head to support Mid-Coast efforts.

- Texas Coast ES is receiving reports of oil contamination along Matagorda Island beach. In addition, 22 superfund sites in Harris County were flooded. Impact is unknown at this time.

### **Bureau of Reclamation**

Source: Bureau of Reclamation (USBR) – September 2, 2017

- USBR is supporting the Office of Emergency Management with technical guidance regarding internal deployment management processes for ESF #6. USBR, as the Department's Principal Planner for ESF #3, is in contact with the U.S. Army Corps of Engineers (primary agency) and has not received any requests for deployment. Reclamation has begun pre-rostering technically-qualified staff for future ESF #3 deployment needs. Reclamation personnel are monitoring messages and requests for data calls, capabilities, and deployment.
- USBR requests that all data calls (including availability and capacity) and requests for deployment initiate with the Reclamation Emergency Operations Center. Requests may be sent to [bor\\_eoc@usbr.gov](mailto:bor_eoc@usbr.gov) or 303-445-3648. In the evening, this number forwards to the Chief, Program and Emergency Management Office.

### **Office of the Special Trustee for American Indians**

Source: Office of the Special Trustee for American Indians (OST) – September 2, 2017

- There are 775 Individual Indian Monies (IIM) beneficiaries living in the counties affected by the FEMA disaster declaration, 65 of whom were sent checks between 8/24 and 8/31. Beneficiaries who are displaced by flooding will not receive the check. OST will:
  - Search our accounting system to see if we have cell phone contact information for any of the 65 beneficiaries to whom we sent checks, so that we can try to contact them.
  - Contact the United States Postal Service so that we understand where non-delivered mail is being held,
  - Prepare a communications plan that includes:
    - Information for the Trust Beneficiary Call Center,
    - Outreach materials for tribal governments
    - A social media campaign to reach beneficiaries
    - Coordination with the BIA Emergency Management Program
- If any agencies are contacted by beneficiaries, they should refer them to OST's Trust Beneficiary Call Center, at 1-(888) 678-6836

### **National Park Service Post Tropical Cyclone Harvey**

Source: National Park Service (NPS) – September 1, 2017

- Currently the NPS has 62 staff deployed supporting operations for Hurricane Harvey response and recovery. This number does not include local assets working in home park units. A map of all resources deployed can be found at: [NPS ARCGIS](#)
- The NPS Intermountain Incident Management Team is at Big Thicket today 9/2 to assist in assessments. Rangers supporting FEMA Mission Assignments for Search and Rescue are headed to the Houston Branch today to support survivors of Texas.

**Office of Aviation Services**

*Source: Office of Aviation Services (OAS) – September 2, 2017*

- OAS with assistance from BLM, USGS, NPS, and the USFWS, provided UAS support for search and rescue operations and provide imagery for identifying high priority search areas. There are 10 UAS pilots assigned, 9 are available. Thirty-four are on standby.
- On 9/1, conducted damage assessment flights. The UAS teams assigned are going to be at the end of ESF-9 funding as of end of business 9/3. There are no other taskings, local, state, or regional, to continue UAS operations in support of Hurricane Harvey. Pending other assignments, the UAS teams are going to be demobing back to their respective bureaus starting tomorrow.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Post-Tropical Cyclone Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to DOI personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
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**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16n-17

**Subject:** Harvey Response and Recovery

**Date:** September 3, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #14

**DOI Mission Assignments as of September 3, 2017:**

There are currently a total of 234 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$3m	Resource staffing in progress	

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Emergency Support Function (ESF) #5 8/25/2017 TX-17082301-DOI-01	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$10,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 8/26/2017 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	10 USGS Crews (11 personnel) currently collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	Corpus Christi, TX
ESF #6	Department of the Interior	Inspectors for supporting ESF 6 Field Inspection Services	MA Under Development	Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	Developing Roster of Volunteers
ESF #8 9/2/2017	National Park Service (NPS)	Provide support to HHS ESF-8 through the NPS Public Health Service staff	Sub-Tasked under HHS ESF-8 MA \$500,000	8 NPS Public Health Service deployed in support of HHS missions	
ESF #9 8/26/2017 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017	National Park	Provide flat bottom boats, air boats,	Sub-Tasked under US	NPS - 8 Boats and 18 personnel	College Station, TX

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4332DR-TX-DOI-06	Service (NPS)	swift water boats, and non-swift water boat resources to move up to 20,000 survivors.	Coast Guard ESF-9 MA \$500,000	FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas.	\$50,000	10 UAS Pilots BLM – 4 FWS – 1 OAS – 2 USGS – 1 NPS – 2	College Station, TX Current Mission Assignment is coming to an end, Team will Demobilize on 9/3/2017 unless FEMA issues a new Mission Assignment prior to demobilization
ESF #11 8/25/2017 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel) QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge  QRT 4 25 –USFWS OLE  QRT 5 12 – USFWS Refuge 5 – NPS 4 – BLM 4 – OLES  QRT 6 25 – USFWS OLE	QRT 1 operational in Galveston QRT 2 staged in Houston QRTs 3-6 enroute to NRG Stadium - Houston, TX

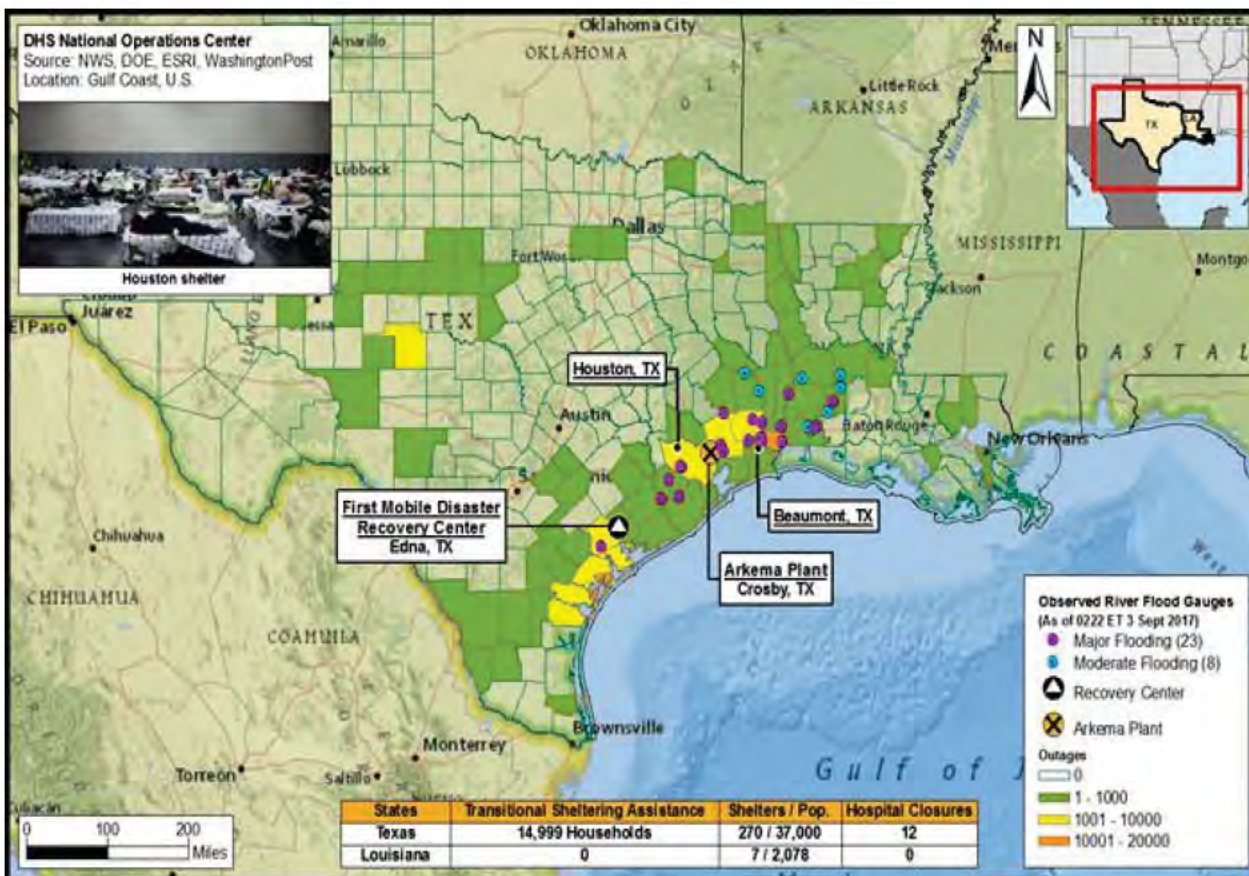
**General Situation:**

Source: *National Weather Service/National Hurricane Center, Department of Homeland Security – September 3, 2017*

As of 5:00 a.m. EDT, response and recovery efforts for Harvey continue throughout the Gulf Coast of Texas and Louisiana. The dry weather will allow rivers and bayous in the Houston metro area to fall below major flood stage this weekend. Record flooding will continue on the Neches River near Beaumont through next week. The President has approved a Major Disaster Declaration for 33 counties in Texas and an Emergency Declaration for 19 parishes in Louisiana.

Mass Media reports 43 fatalities with more expected as water recedes from the affected areas. There are twelve hospitals in Texas that remain evacuated or closed and approximately 37,000 occupants in 270 shelters in Texas and 2, 078 occupants in 7 shelters in Louisiana.

5.3 million barrels of crude oil have been approved to be released by the Secretary of Energy from the Strategic Petroleum Reserve. Federal, state and local officials continue to monitor the effects of the flood at the Arkema Chemical Plant and a 1.5 mile evacuation zone remains around the plant. In order to safely end the incident and allow residents to return to their homes, local officials have planned a strategy to accelerate the degradation process at the plant.



DHS Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #4 (Firefighting):**

Source: ESF #4 – National Park Service (NPS) – September 2, 2017

- Three NPS personnel continue to support deployment.

**ESF #5 (Information and Planning):**

Source: ESF #5 – National Park Service (NPS) – September 2, 2017

- Emergency Management - There is one NPS representative at the Federal Emergency Management Agency National Response Coordination Center (NRCC) supporting the Department of Interior Senior Interagency Liaison Cadre (SILC).

**ESF #9 (Search and Rescue):**

Source: ESF #5 – National Park Service (NPS) – September 2, 2017

- Boat Teams – Federal Emergency Management Agency tasked eight National Park Service (NPS) boats Saturday to the Houston branch. The teams were moved to staging in Katy, TX with the Federal Emergency Management Agency Urban Search and Rescue Task Forces. The NPS and US Fish and Wildlife Service assets were in standby status for several missions in the branch Saturday. Several success stories are shared on [NPS LESES-Harvey](#). The NPS still has 8 boats and 18 staff deployed from nine park units supporting this mission. The Department of the Interior boat assets is high on the priority list for tasking in operations on Sunday.
- Unmanned Aircraft Systems (UAS) flight occurred Saturday of the Big Thicket National Preserve. The two National Park Service employees associated with UAS operations were released on Saturday and will begin demobilization on September 3 from the ESF #9 and planning on return to their home unit.
- The Federal Search and Rescue and Coordination Group (FSARCG) remain operational with two National Park Service employees in College Station, TX. The primary agency for Search and Rescue were shifted Saturday from the US Coast Guard to Federal Emergency Management Agency with concurrence from the FSARCG.

**ESF #13 (Public Safety and Security):**

Source: ESF #13 National Park Service (NPS):

- The National Park Service (NPS) has 12 staff from the Southeast Region SET team currently working near Houston on QRT1. An additional team of seven employees from US Park Police and NPS deployed with QRT5 on Friday to support public safety and security.

**ESF #15 (External Affairs):**

Source: ESF #15 National Park Service (NPS):

- Public Affairs - A photographer from San Antonio Missions National Historical Park is traveling with National Park Service (NPS) crews in Texas and gathering photos and video with coordination from the NPS Communications Office.



**DOI Bureau and Office Reporting:****National Park Service**

*Source: National Park Service (NPS) – September 2, 2017*

- Big Thicket - [Big Thicket GIS](#) – The Park is closed and all employees are accounted for. All preserve facilities remained closed Saturday and Sunday. Assessment and recovery efforts continue with the main focus on employee safety and well-being. The Incident Management Recovery Team visited the site this afternoon and developed a plan to help the park with assessment for Sunday. Also, the National Park Service Intermountain Incident Management Team was at Big Thicket yesterday to assist in assessments. Rangers are supporting the Federal Emergency Management Agency Mission Assignments for Search and Rescue and headed to the Houston Branch to support survivors of Texas yesterday. Updates are being posted to the Big Thicket Facebook page at: [Big Thicket NPS](#).

**Office of Aviation Services**

*Source: Office of Aviation Services (OAS) – September 2, 2017*

- The Unmanned Aircraft Systems teams are going to be demobilized on Sunday and returning back to their respective bureaus.

**Office of the Chief Information Officer**

*Source: Office of the Chief Information Officer (OCIO) – September 3, 2017*

- The Enterprise Service Network (ESN) reports that four DOI sites are experiencing network services outages or degraded service due to Tropical Storm Harvey. Five sites have been restored.

**Future Actions:**

The Interior Operations Center will continue to monitor Post-Tropical Cyclone Harvey and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials  
 Select Individuals/Interagency Partners



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16o-17

**Subject:** Harvey Response and Recovery

**Date:** September 3, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #15

**DOI Mission Assignments as of September 3, 2017:**

There are currently a total of 226 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$3m	Resource staffing in progress	
Emergency Support Function (ESF) #5 8/25/2017 TX-	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$45,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

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17082301- DOI-01					
ESF #5 8/26/2017 4332DR-TX- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	10 USGS Crews (11 personnel) currently collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	Corpus Christi, TX
ESF #5 3382EM-LA- USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000		Louisiana
ESF #6	Department of the Interior	Inspectors for supporting ESF 6 Field Inspection Services	MA Under Development	Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	Developing Roster of Volunteers
ESF #9 8/26/2017 TX- 17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017	National Park	Provide flat bottom boats, air boats, swift	Sub-Tasked under U.S.	NPS - 8 Boats and 18 personnel	College Station, TX

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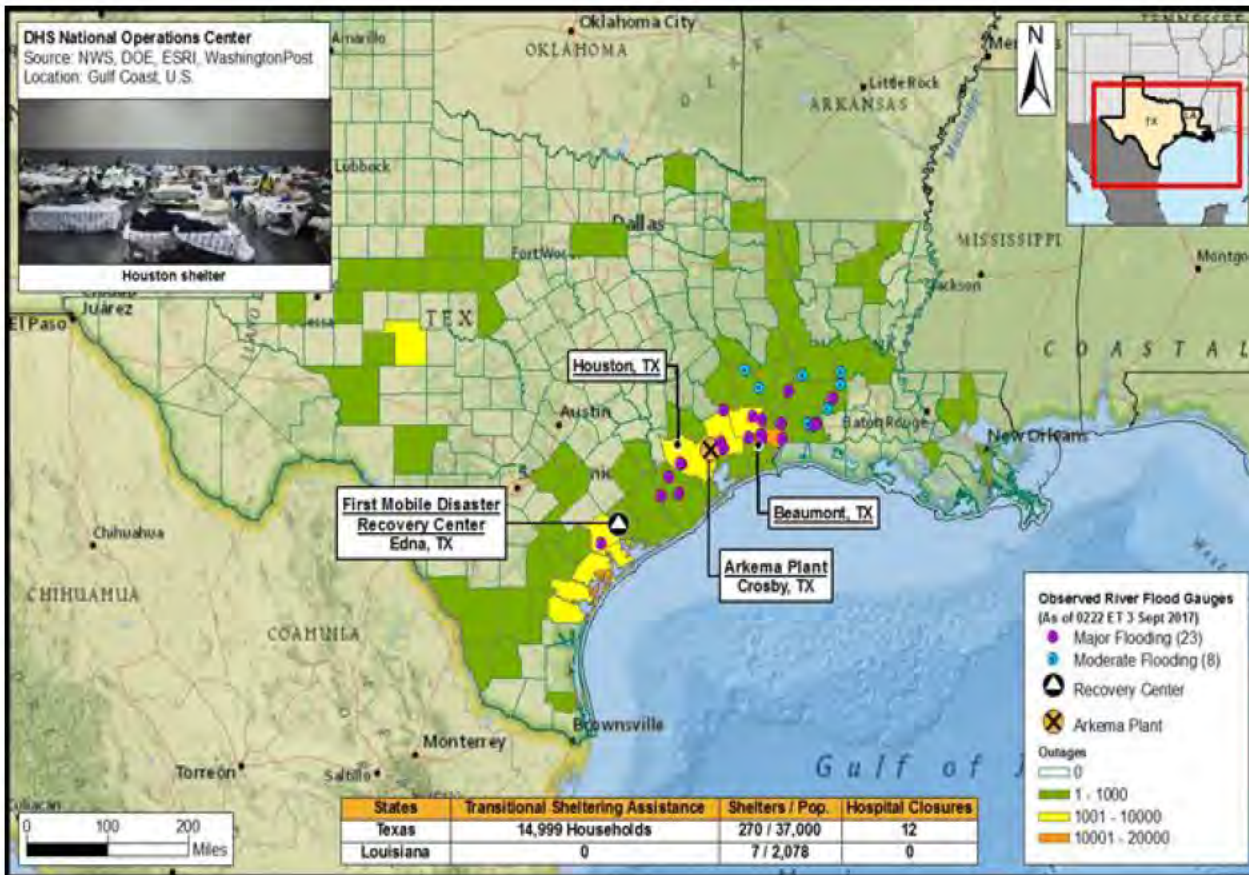
4332DR-TX-DOI-06	Service (NPS)	water boats, and non-swift water boat resources to move up to 20,000 survivors.	Coast Guard ESF-9 MA \$500,000	FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	10 UAS Pilots BLM – 4 FWS – 1 OAS – 2 USGS – 1 NPS – 2	College Station, TX Current Mission Assignment is coming to an end, Team will Demobilize on 9/3/2017 unless FEMA issues a new Mission Assignment prior to demobilization
ESF #11 8/25/2017 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel) QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge  QRT 4 25 –USFWS OLE  QRT 5 12 – USFWS Refuge 5 – NPS 4 – BLM 4 – OLES  QRT 6 25 – USFWS OLE	QRT 1 operational in Galveston QRT 2 staged in Houston QRTs 3-6 enroute to NRG Stadium - Houston, TX

**General Situation:**

Source: *National Weather Service/National Hurricane Center, Department of Homeland Security – September 3, 2017*

As of 5:00 p.m. EDT, response and recovery efforts for Harvey continue throughout the Gulf Coast of Texas and Louisiana. The dry weather will allow rivers and bayous in the Houston metro area to fall below major flood stage this weekend. Record flooding will continue on the Neches River near Beaumont through next week. The President has approved a Major Disaster Declaration for 33 counties in Texas and an Emergency Declaration for 19 parishes in Louisiana.

Mass Media reports 43 fatalities with more expected as water recedes from the affected areas. There are twelve hospitals in Texas that remain evacuated or closed and approximately 37,000 occupants in 270 shelters in Texas and 2, 078 occupants in 7 shelters in Louisiana. In order to safely end the incident and allow residents to return to their homes, local officials have planned a strategy to accelerate the degradation process at the plant.



DHS Image

**ESF #5 (Information and Planning):**

Source: *ESF #5 – United States Geological Survey (USGS) – September 3, 2017*

- USGS Support to ESF - 5 - Information and Planning
  - Mission Assignment TX-17082301-DOI-01:
    - 14 personnel (5 from Texas, 4 from Florida, 2 from New Mexico, and 3 from Arizona) are working under this MA today.

- 8 personnel collecting high water marks (HWMs) along the coastal areas near Corpus Christi, 1 person is providing team coordination and data entry support, and 5 personnel are planning for the expanding field work.
- 54 HWMs have been flagged, initial surveying of HWMs commences today
- USGS is coordinating on a mission assignment from FEMA Region 6 to perform HWM flagging and surveying in southwest Louisiana. The estimated amount of the MA is \$200,000. Final decision is pending a disaster declaration for Louisiana, which currently only has an Emergency Declaration in effect

**ESF #9 (Search and Rescue):**

Source: ESF #9 – National Park Service (NPS) – September 3, 2017

- Unmanned Aircraft Systems (UAS) - The two pilots from the National Park Service supporting the DOI UAS mission to support ESF #9 will demobilize today along with the rest of the DOI UAS mission staff released by the FEMA Blue Incident Support Team Operations Section.
- Boat Teams - Federal Emergency Management Agency tasked eight National Park Service (NPS) boats Saturday to the Houston branch. The 8 Boats and 18 staff are pending assignment out of the Katy, TX staging area on today.

**ESF #11 (Agriculture and Natural Resources):**

Source: ESF #11 Office of Environmental Policy and Compliance (OEPC) – September 3, 2017:

- The Regional Environmental Office in Albuquerque is coordinating with USFWS Region II, NOAA Scientific Support Coordinator (SSC) and the Regional Response Team. OEPC HQ is continuing to participate in National Response Team meetings. NOAA SSC is focusing on the Magellan Pipe facility (20,000 barrels of gasoline) and the Channel Biorefinery & Terminal (potential release of up to 100,000 gallons of glycerin and 80,000 gallons of methanol). Both of these facilities flooded and were damaged, but releases occurred into secondary containment. No major oil spills have been reported yet.
- The Natural and Cultural Resources Recovery Support Function continues to work closely with its ESF#10 and ESF#11 counterparts to maintain situational awareness and identify key recovery issues. The Recovery Support Function has received the Mission Assignment 4332DR-TX-DOI-08 for approximately \$57,000 and is working to mobilize a rehired annuitant field coordinator to deploy to the Texas JFO the week of September 11.

**ESF #13 (Public Safety and Security):**

Source: ESF #13 Office of Law Enforcement and Security (OLES) – September 3, 2017

- DOI Quick Response Team (QRT) Summary:
  - QRT 1 : DEPLOYED 28 AUGUST  
13 - FWS Refuge  
12- NPS
  - QRT 2 : DEPLOYED 28 AUGUST  
10 - BLM  
13 - BIA  
2 - OLES

- QRT 3 : **DEPLOYED 1 SEPTEMBER**  
13 - BLM
  - 12 - FWS Refuge
  
  - QRT 4 : **DEPLOYED 1 SEPTEMBER**  
25 - FWS OLE
  
  - QRT 5 : **DEPLOYED 1 SEPTEMBER**  
12 - FWS Refuge  
7 - NPS  
4 - BLM  
2 - OLES
  
  - QRT 6 : **DEPLOYED 1 SEPTEMBER**  
25 - FWS OLE
  
  - QRT 7 : **RESERVE STATUS**  
14 - NPS (IMT SET, ISB)  
3 - OLES
  
  - QRT 8 : **RESERVE STATUS**  
13 - USPP
- QRT 1 is operational providing force protection to urban search and rescue operations in Galveston, Texas. QRT 2 is awaiting assignment at base camp in Houston, Texas. They will conduct airboat orientation today at Lake Houston in preparation for an anticipated assignment supporting urban search and rescue operations. QRTs 3-6 will be checking into base camp today. QRT 7 (17 personnel) and QRT 8 (13 personnel) are considered part of the ESF-13 reserve personnel and there is not currently an estimate on when they may be deployed.
  - Currently, the overall operating picture for ESF-13 is as follows: Today's operations include 378 Federal Law Enforcement Officers (FLEOs) providing site security and force protection to ESF-8; 540 FLEOs providing force protection for ESF-9; 406 FLEOs providing direct federal assistance (DFA) to the Harris County and the Houston Police Department, 65 FLEOs providing base camp security. The FoS (Fed-to-Fed) Mission Assignments (MA) remains at 2,000 FLEOs. The Direct Federal Assistance (DFA) MA remains at 700 FLEOs. Additional increases are not expected at this time.
  - ESF-13 is now shifting its planning beyond this initial deployment and has begun to strategize rotation. Please begin thinking about the manpower that will be available 1-3 weeks from now and beyond, as the expectation is that DOI will be responsible for a one-for-one rotation of our 150 deployed FLEOs.
  - "Camp Lone Star," the base camp at NRG stadium is operational in the Green Lot, but will be relocated to the Maroon lot on September 4.

**DOI Bureau and Office Reporting:****Office of Occupational Safety and Health**

*Source: Office of Occupational Safety and Health (OSH) – September 3, 2017*

- Safety information for first responders and recovery workers:
  - First responders and recovery workers who have to work in and around flooded areas face a variety of risks and hazards. OSHA has developed a [Flood Preparedness and Response website](#) that provides information about safety and health hazards that workers may face during and after a flood event and how to prepare and stay safe in this type of environment. Additionally, the National Institute for Occupational Safety and Health (NIOSH) [Emergency Response Resource site](#) provides a tremendous amount of current preventive medicine and safety information for first responders and recovery workers. DOI employees currently deployed or who may deploy to the response and recovery area can contact the DOI Office of Occupational Safety and Health at (202) 219-0199 if they have questions or need additional information.

**U.S. Fish and Wildlife Service**

*Source: United States Fish and Wildlife Service (USFWS) – September 3, 2017*

- Facility Status:
  - Aransas National Wildlife Refuge (NWR) is still closed but generators are up. Power is supplied to station Headquarters building, some residences, and the water system. Power is coming back to areas impacted. Power expected back to Rockport on 9/8.
  - The Texas Mid-Coast Refuge Complex (Brazoria, San Bernard, and Big Boggy NWRs) is closed but all resources have been pulled from County EOC. Assessments are continuing with the task force.
  - Texas Chenier Plains Refuge Complex (Anahuac, McFaddin, Texas Point, Moody NWRs) Task Force arrived and working on certain areas. Unable to reach McFaddin due to access issues. Power has been restored in Winnie. Closures are expected for McFaddin, Anahuac and Texas Point until at least Thursday. Law Enforcement presence needed for areas on Texas Chenier Plains due to public use issues due to closure.
- Southwest Region (R2) Action Updates:
  - Thirty-eight staff are assigned to the incident. The Incident Management Team at Balcones Canyonlands NWR is preparing for additional trailer deliveries. These trailers will then be staged at Attwater's Prairie Chicken NWR. The assessment team at Texas Mid-coast Refuges completed 14 of 29 assessments yesterday and the rest should be completed today. The ArcGIS tool now has a progress assessment. FWS has completed 153 of 510 damage assessment. The IMT was not able to make it to Texas Chenier Plains Refuge Complex.
- USFWS is stressing the use of Personal Protective Equipment (PPE). There have been a couple of employees returning from working in the field with rashes and funguses.

**Office of the Special Trustee for American Indians**

*Source: Office of the Special Trustee for American Indians (OST) – September 3, 2017*

- There are 775 Individual Indian Monies (IIM) beneficiaries living in counties affected by the FEMA disaster declaration, 65 of whom were sent checks between August 24 and August 31. Beneficiaries who are displaced by flooding will not receive the check. The OST has been in contact with the FEMA Tribal Liaison and has been given the contact information for the United States Postal Service liaison. OST will:



- Search our accounting system to see if we have cell phone contact information for any of the 65 beneficiaries to whom we sent checks, so that we can try to contact them, and to provide names and addresses to the USPS. We should have this information by noon EDT on Tuesday Sept 5.
- Prepare a communications plan that includes:
  - Information for the Trust Beneficiary Call Center
  - Outreach materials for tribal governments
  - A social media campaign to reach beneficiaries
  - Coordination with the BIA Emergency Management Program
  - Update of our website
- If any agencies are contacted by beneficiaries, they should refer them to OST's Trust Beneficiary Call Center, at 888-678-6836

### **National Park Service**

Source: National Park Service (NPS) – September 3, 2017

- **Big Thicket - Big Thicket GIS** – The Park is closed and all employees are accounted for. The Intermountain Region Incident Management Team continues assessments at the park today and is working with the park to identify priority actions to preserve property. Yesterday, DOI Unmanned Aerial Systems (UAS) crews visited Big Thicket Natural Preserve and identified six critical areas in the park which required imagery. UAS flights confirmed that inaccessible areas of the park were inundated with flood waters and validated damage and water inundation to the Seal Property in Big Thicket. NPS personnel continue with response and recovery efforts for the State of Texas. Updates are being posted to the Big Thicket Facebook page at: Big Thicket NPS.

### **United States Geological Survey**

Source: United States Geological Survey (USGS) – September 3, 2017

- **Activities from the USGS Texas Water Science Center (TXWSC)**
  - Thirty-three personnel are in the field today making discharge measurements, taking water quality samples, and performing gage repairs. Teams are comprised of 22 personnel from Texas and 11 personnel from the Lower Miss-Gulf WSC, and 1 person from the South Atlantic WSC.
  - Eight streamgages are currently damaged or not reporting. Five streamgages have been repaired.

### **Office of Aviation Services**

Source: Office of Aviation Services (OAS) – September 3, 2017

- On yesterday, UAS teams conducted damage assessment flights with the Park Service. The UAS teams assigned are at the end of ESF #9 funding as of today. There are no other taskings, local, state, or regional, to continue UAS operations in support of Harvey. The UAS teams are demobilizing back to their respective bureaus today. There are 10 UAS pilots assigned, 9 are available, and 34 are on standby.

### **Future Actions:**

The Interior Operations Center will continue to monitor Harvey Response and Recovery Operations and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

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**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16p-17

**Subject:** Harvey Response and Recovery

**Date:** September 4, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #16

**DOI Mission Assignments as of September 4, 2017:**

There are currently a total of 226 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF-4 8/28/2017 4332DR-TX- USFS-03	Office of Wildland Fire	Provide IMT resources (Blue/Gold Team) to support ESF4 mission assignment.	Subtasked under ESF-4 \$2.7m	3 - NPS 1 - BIA 1 - FWS 1 - BLM	College Station, TX
ESF-4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$3m	Resource staffing in progress	
Emergency Support Function (ESF) #5 8/25/2017 TX-	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$45,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

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17082301-DOI-01					
ESF #5 8/26/2017 4332DR-TX-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey	\$1,000,000	10 USGS Crews (11 personnel) currently collecting high water marks (HWM) along the coastal areas near Corpus Christi. Personnel numbers will increase over a larger area, based on the recession of flood waters.	Corpus Christi, TX
ESF #5 3382EM-LA-USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana	\$200,000		Louisiana
ESF #6	Department of the Interior	Inspectors for supporting ESF 6 Field Inspection Services	MA Under Development	Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	Developing Roster of Volunteers
ESF #9 8/26/2017 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	2 NPS Personnel	College Station, TX
ESF #9 8/29/2017	National Park	Provide flat bottom boats, air boats, swift	Sub-Tasked under U.S.	NPS - 8 Boats and 18 personnel	College Station, TX

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4332DR-TX-DOI-06	Service (NPS)	water boats, and non-swift water boat resources to move up to 20,000 survivors.	Coast Guard ESF-9 MA \$500,000	FWS - 9 boats and 20 personnel Total = 17 boats and 38 DOI personnel	and Huntsville, TX
ESF #9 8/26/2017 4332DR-TX-DOI-02	Office of Aviation Services (OAS) with assistance from Bureau of Land Management (BLM) USGS, NPS, and the U.S. Fish and Wildlife Service (USFWS)	Provide Unmanned Aircraft Systems (UAS) support for search and rescue operations and provide imagery for identifying high priority search areas..	\$50,000	10 UAS Pilots BLM – 4 FWS – 1 OAS – 2 USGS – 1 NPS – 2	College Station, TX Current Mission Assignment is coming to an end, Team will Demobilize on 9/3/2017 unless FEMA issues a new Mission Assignment prior to demobilization
ESF #11 8/25/2017 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel) QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 – OLES  QRT 3 13 – BLM 12 – USFWS Refuge  QRT 4 25 –USFWS OLE  QRT 5 12 – USFWS Refuge 5 – NPS 4 – BLM 4 – OLES  QRT 6 25 – USFWS OLE	QRT 1 operational in Galveston QRT 2 staged in Houston QRTs 3-6 enroute to NRG Stadium - Houston, TX

**General Situation:**

Source: National Weather Service/National Hurricane Center, Department of Homeland Security – September 4, 2017

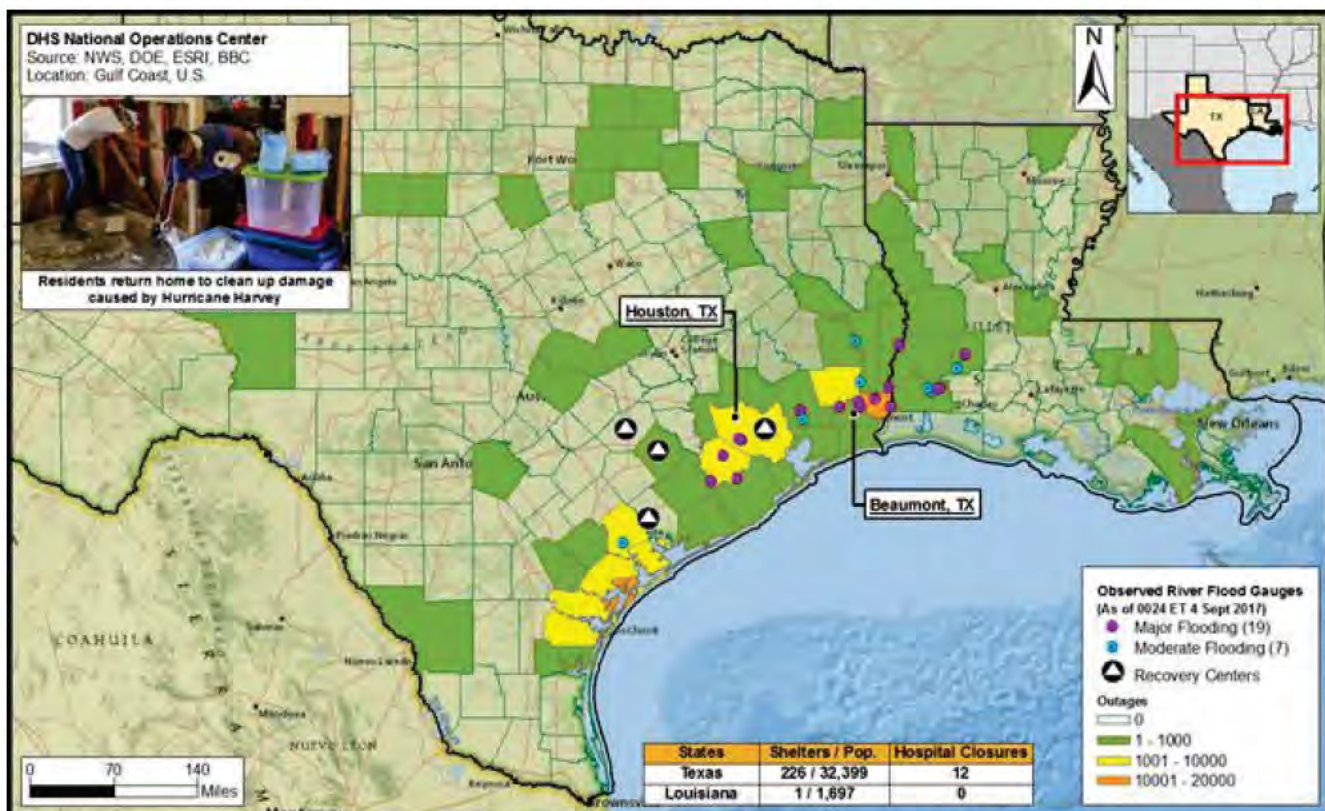
As of 5:00 a.m. EDT, response and recovery efforts for Harvey continue throughout the Gulf Coast of Texas and Louisiana. Record flooding will continue along several basins throughout the coming week. The President has approved a Major Disaster Declaration for 36 counties in Texas and an Emergency Declaration for 12 parishes in Louisiana.

Mass Media reports 45 fatalities with more expected as water recedes from the affected areas. There are twelve hospitals in Texas that remain evacuated or closed and approximately 32,399 occupants in 226 shelters in Texas and 1,697 occupants in one shelter in Louisiana.

The Department of Energy reports there are approximately 65,891 customers in Texas remaining without power and power has been nearly restored to all customers in Louisiana. Seven out of the ten previously closed refineries are in the process of restarting. The pipeline in Texas will be restored by September 5.

Controlled releases continue at the Addicks and the Barker dams. The reservoirs and current discharge rates will continue for the next 10-15 days. Both reservoirs reached their peak capacity on August 31 and have receded about nine inches in the last day. The Addicks reservoir level was reported to be approximately 106 feet and decreasing, and the Barker reservoir level was reportedly at 99 feet and decreasing. The Army Corps of Engineers anticipates water will recede from upstream homes within 7-9 days.

A trough of low pressure located over the southwestern Gulf of Mexico is producing disorganized showers and thunderstorms. Some slow development of this system is possible during the next few days while it drifts northwestward. There is a 10 percent chance of tropical formation through the next 48 hours.



**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning):**

Source: ESF #5 – United States Geological Survey (USGS) – September 4, 2017

- There is one NPS representative at the Federal Emergency Management Agency (FEMA) National Response Coordination Center (NRCC) supporting the DOI Senior Interagency Liaison Cadre (SILC).

**ESF #8 (Public Health and Medical Services):**

Source: ESF #8 – National Park Service (NPS) – September 4, 2017

- Three Public Health Service officers are mobilized under ESF #8 from Health and Human Service.

**ESF #9 (Search and Rescue):**

Source: ESF #9 – National Park Service (NPS) – September 4, 2017

- Boat Teams – Federal Emergency Management Agency (FEMA) has released all Department of Interior assets for this Mission Assignment. The NPS assets travelled to Home Park on Sunday. The US Fish and Wildlife Service assets will be departing Katy, TX today.
- The Federal Search and Rescue Coordination Group (FSRCG) remain operational with two NPS employees in College Station, TX. The FSARCG will reduce to one staff from the NPS today and transition to Herndon, VA.

**ESF #13 (Public Safety and Security):**

Source: ESF #13 National Park Service (NPS) – September 4, 2017

- The NPS has 12 personnel from the Southeast Region SET team currently working near Houston on QRT 1. An additional team of seven employees from the U.S. Park Police and NPS deployed with QRT to support public safety and security.

**DOI Bureau and Office Reporting:****National Park Service**

Source: National Park Service (NPS) – September 4, 2017

**Big Thicket** - The Park is scheduled to reopen on Tuesday, September 5. The Incident Management Team worked with park staff to update the park's web and Facebook pages. Press releases were published to the park's media list outlining the Big Thicket's current status. Several trail assessments were completed Sunday and facility assessments are ongoing. A three person Critical Incident Stress Management team will arrive today and be available to park staff and family. A hazardous tree has been identified on the park land that has significant potential to impact an adjoining landowner's house which will be removed today. In addition, two park trails were cleared and reopened Sunday, but not all facilities will be available

The one NPS employee from San Antonio Missions National Historical Park (SAAN) has been released as of Sunday and has returned to their home park unit. There will be no additional updates for this Mission Assignment.

**Office of the Chief Information Officer**

Source: Office of the Chief Information Officer (OCIO) – September 4, 2017

The Enterprise Service Network (ESN) reports that four Department of Interior sites are experiencing network service outages or degraded service due to Tropical Storm Harvey.

**Bureau of Safety and Environmental Enforcement**

Source: Bureau of Safety and Environmental Enforcement (BSEE) – September 3, 2017

The Bureau of Safety and Environmental Enforcement (BSEE) reports that 30 offshore oil and gas production platforms remained evacuated and personnel have returned to all five of the previously evacuated drill rigs. BSEE estimates that approximately 5.5 percent of the current oil production in the Gulf remains shut-in and also estimates that about 8.43 percent of the natural gas production remains shut-in.

**Future Actions:**

The Interior Operations Center will continue to monitor Harvey Response and Recovery Operations and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
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**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16q-17

**Subject:** Harvey Response and Recovery

**Date:** September 4, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #17

**DOI Mission Assignments as of September 4, 2017:**

There are currently a total of 208 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #4 8/28/2017 4332DR-TX- USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	6 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX
ESF #5 8/25/2017 TX-17082301- DOI-01 (original) and 4332DR-TX- DOI-03 (amendment)	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$55,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ

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<p>ESF #5 8/26/2017 4332DR-TX- USGS-01</p>	<p>United States Geological Survey (USGS)</p>	<p>To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Harvey</p>	<p>\$1,000,000</p>	<p>19 personnel (8 from Texas, 4 from Florida, 3 from Arizona, 2 from Oklahoma, and 2 from New Mexico) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work</p>	<p>Corpus Christi, TX</p>
<p>ESF #5 3382EM-LA- USGS-01</p>	<p>United States Geological Survey (USGS)</p>	<p>Provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana</p>	<p>\$200,000</p>	<p>Work to begin 9/5</p>	<p>southwest Louisiana</p>
<p>ESF #6</p>	<p>Department of the Interior</p>	<p>Inspectors for supporting ESF 6 Field Inspection Services</p>	<p>MA Under Development</p>	<p>Requesting verification of availability of up to 200 DOI staff that can be trained and assigned to perform housing field inspections under FEMA's Individual and Households Program. Staff would be integrated into inspection services and provided training and equipment to</p>	<p>Developing Roster of Volunteers</p>

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				perform the task. Expected duration of assignment would be 30 days and would be provided under an RRF/MA.	
ESF #9 8/26/2017 TX-17082301- DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX
ESF #11 8/25/2017 TX-17082301- DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF #13 8/28/2017 4332DR-TX- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	6- 25 Person Teams (150 total personnel) QRT 1 13 - USFWS Refuge 12 - NPS (SER SET)  QRT 2 10 - BLM 13 - BIA 2 - OLES  QRT 3 13 - BLM 12 - USFWS Refuge  QRT 4 25 -USFWS OLE  QRT 5 12 - USFWS Refuge	QRT 1 has concluded ESF-9 support in the Galveston area and is in transit from Galveston to base camp in Houston. QRT 2 is awaiting assignment at base camp in Houston. They are being deputized by the state of Texas in anticipation of a direct Federal assistance (DFA) assignment to support state/local community policing. QRTs 3-6 NRG Stadium - Houston, TX

				7 – NPS 4 – BLM 2 – OLES  QRT 6 25 – USFWS OLE	completing check-in procedures at base camp 9/4/17
ESF #15 09/03/2017 4332DR- TX_DOI-09	Office of Communications	Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.	\$10,000	Currently working with OCO to identify Public Affairs SME to support	Austin, TX
RSF Natural Cultural Resources 4332DR- TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910	0 - OEPC working to RSF coordinator to mobilize a rehired annuitant field coordinator to deploy to the Texas JFO the week of 9/11.	Austin, TX POC Kim Harriz

**General Situation:**

*Source: National Weather Service & Federal Emergency Management Agency – September 4, 2017*

Response and recovery efforts associated with Hurricane Harvey continue. River and bayous will continue to fall below major flood stage, but long-duration flooding will hamper response and recovery activities. Additional showers and thunderstorms are expected in the area through Tuesday.

Federal Emergency Management Agency (FEMA) modeling indicates that over 135,000 homes out of the 2,700,000 homes in the area have been affected by Harvey. Over 22,000 homes may have received significant damage. As of September 3, there were 277 shelters open in Texas with 34,000 occupants, and there was one shelter open in Louisiana with 1,697 occupants. Twelve hospitals remain closed, as well as several roads throughout the impacted areas. As of this morning, there were 64,200 customers without power in Texas and 1,400 customers without power in Louisiana.

The FEMA National Response Coordination Center (NRCC) and the FEMA Region VI Regional Response Coordination Center (RRCC) remain activated to Level 1 (24/7 operations). National and Regional Incident Management Assistance Teams (IMATs) have been deployed to Texas, and Liaison Officers (LNOs) have been deployed to Texas and Louisiana. The Texas Emergency Operations Center (EOC) is at Full Activation, and the Louisiana EOC is at Partial Activation.

A trough of low pressure located over the southwestern Gulf of Mexico is producing disorganized showers and thunderstorms. Environmental conditions are marginally conducive for some slow development of this system while it drifts west-northwestward and remains over the southwestern Gulf of Mexico during the next few days. This system has a 40-percent chance of developing into a tropical cyclone over the next 48 hours.

#### **DOI Emergency Support Function (ESF) Support:**

##### **ESF #4 (Firefighting):**

- ESF #4 – National Park Service (NPS): Three NPS personnel continue to support deployment.

##### **ESF #5 (Information and Planning):**

- ESF #5 – United States Geological Survey (USGS): Work under Mission Assignment (MA) TX-17082301-DOI-0119 continued today with 8 personnel from Texas, 4 from Florida, 3 from Arizona, 2 from Oklahoma, and 2 from New Mexico. Thirteen personnel are collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work. Four sections of HWMs have been flagged and 1 section of HWMs has been surveyed. HWM information is available on the USGS Flood Event Viewer. Work will begin Tuesday on MA 3382EM-LA-USGS-01, which was signed on September 2 and will provide \$200,000 to flag and survey HWMs in impacted areas in southwestern Louisiana.
- ESF #5 –NPS: There is one NPS representative at the Federal Emergency Management Agency (FEMA) National Response Coordination Center (NRCC) supporting the DOI Senior Interagency Liaison Cadre (SILC).

##### **ESF #8 (Public Health and Medical Services):**

- ESF #8 – NPS: Three Public Health Service officers are mobilized under ESF #8 from the U.S. Department of Health and Human Services.

##### **ESF #9 (Search and Rescue):**

- ESF #9 – NPS: Boat Teams – The Federal Emergency Management Agency (FEMA) has released all Department of the Interior (DOI) assets for this Mission Assignment. The NPS assets travelled to their Home Park on Sunday, and the U.S. Fish and Wildlife Service (USFWS) assets will be departing Katy, Texas today. The Federal Search and Rescue Coordination Group (FSARCG) remains operational and has reduced to one NPS employee in College Station, Texas. The FSARCG will relocate to Herndon, Virginia, starting on September 5-6.
- ESF #9 United States Fish and Wildlife Service (USFWS): Staff deployed under ESF #9 have been demobilized and returned to their home stations.

##### **ESF #11 (Agriculture and Natural Resources):**

- ESF #11 – Office of Environmental Policy and Compliance (OEPC): DOI is supporting the staffing of the ESF #11 desk at the NRCC. U.S. Department of Agriculture (USDA) ESF #11 staff have been deployed to the RRCC in Denton, Texas and with the Joint Field Office in Austin, Texas. OEPC is

coordinating with DOI bureaus and ESF #11 inter-agency support partners on a potential Mission Assignment for ESF #11 for historic structure specialists, endangered species biologists, and museum collections specialists.

OEPC has spoken with the FEMA Region VI Regional Environmental Officer who will be deploying to the Austin Joint Information Center Office (JFO). Recent discussion indicates that DOI support through a Mission Assignment is not likely to be requested prior to the week of September 18 at the earliest. The support that will likely be requested from DOI will be assistance with temporary housing (compliance to ensure sites chosen don't impact natural and cultural resources or mitigate impacts), compliance for infrastructure projects (repair and replacement), attending kick-off meetings (hearing from a county/city about the natural and cultural impacts and being assigned work to assist including possible site visits and assistance with grant applications), and attending applicant briefings (supporting FEMA in these briefings and making sure survivors are aware of the assistance FEMA can bring regarding natural and cultural resources).

### ESF #13 (Public Safety and Security):

- ESF #13 – Office of Law Enforcement and Security (OLES): ESF-13 is now shifting its planning beyond this initial deployment and has begun to strategize demobilization and smaller scale rotation. ESF-13's initial goal is to demobilize eight Quick Response Teams (QRT) in the coming days (no specific estimate provided), and a priority will be placed on teams with members who may be impacted by Hurricane Irma.

Today's operations include 181 Federal Law Enforcement Officers (FLEOs) providing site security and force protection to ESF #8; 362 FLEOs providing force protection for ESF #9; 700 FLEOs providing direct federal assistance (DFA) to the Harris County and the Houston Police Department, and 65 FLEOs providing base camp security. ESF #9 missions are declining as Urban Search and Rescue (USAR) resources are being demobilized. The FoS (Fed-to-Fed) Mission Assignment remains at 2,000 FLEOs. The direct DFA Mission Assignment remains at 700 FLEOs. Additional increases are not expected at this time. "Camp Lone Star," the base camp at NRG Stadium, has been relocated to the Maroon lot. FOB Katy has been shut down and absorbed into Camp Lone Star.

QRT 1 has concluded ESF-9 support in the Galveston area and is in transit from Galveston to base camp in Houston. QRT 2 is awaiting assignment at base camp in Houston, and staff are being deputized by the state of Texas in anticipation of a DFA assignment to support state/local community policing. QRTs 3-6 are completing check-in procedures at base camp today. QRT 7 (17 personnel) and QRT 8 (13 personnel) have been removed from the Harvey reserve list and placed on the standby list for Hurricane Irma. There is no estimate on a deployment date at this time. The Bureau of Indian Affairs (BIA) mobile command vehicle (MCV) and mobile sleeping unit (Bunkhouse) remains in standby status. DOI QRT teams are staffed as follows:

#### QRT 1 - Deployed August 28:

- 13 - FWS Refuge
- 12- NPS

#### QRT 2 - Deployed August 28:

- 10 - BLM
- 13 - BIA
- 2 - OLES

QRT 3 - Deployed September 1

- 13 – BLM
- 12 - FWS Refuge

QRT 4 - Deployed September 1

- 25 - FWS OLE

QRT 5 - Deployed September 1

- 12 - FWS Refuge
- 7 – NPS
- 4 – BLM
- 2 - OLES

QRT 6 – Moved to Irma Standby

- 13 - USPP
- 25 - FWS OLE

QRT 7 – Moved to Irma Standby

- 13 - USPP
- 14 - NPS (IMT SET, ISB)
- 3 - OLES

QRT 8 – Moved to Irma Standby

- 13 - USPP

- ESF# 13 – NPS: The NPS has 12 personnel from the Southeast Region SET team currently working near Houston on QRT 1. An additional team of seven employees from the U.S. Park Police and the NPS deployed with QRT 5 to support public safety and security.

**DOI Bureau and Office Reporting:**

**National Park Service**

Source: National Park Service (NPS) – September 4, 2017

The NPS held a Hurricane Coordination call today, and there were no significant updates. The NPS Emergency Incident Coordination Center (EICC) is continuing the following of resources as they head back home and is on normal duty schedule at this time.

**United States Geological Survey**

Source: United States Geological Survey (USGS) – September 4, 2017

Eighteen personnel from the USGS Texas Water Science Center (TXWSC) were in the field today making discharge measurements, taking water quality samples, and performing gage repairs. Teams are comprised of 17 personnel from the TXWSC and 1 person from the South Atlantic Water Science Center. Eleven streamgages are currently damaged or not reporting, and five streamgages have been repaired.

**United States Fish and Wildlife Service**

*Source: United States Fish and Wildlife Service (USFWS) – September 4, 2017*

**Facility Status:**

- The Aransas National Wildlife Refuge is still closed, but generators are working. Power has been supplied to the station Headquarters building, some residences, and the water system. Power is coming back to areas impacted and is expected back to Rockport on September 8.
- The Texas Mid-Coast Refuge Complex (Brazoria, San Bernard, and Big Boggy National Wildlife Refuges) remains closed, but assessments are complete. Staff living outside danger areas are expected to report to duty tomorrow. The refuges are tentatively scheduled to open on September 6-7.
- The Texas Chenier Plains Refuge Complex (Anahuac, McFaddin, Texas Point, and Moody National Wildlife Refuges) remain closed, but the Winnie Task Force entered Mcfaddin and Texas Point and began assessments. The tentative opening date for the refuges is September 7.
- The Trinity River National Wildlife Refuge administrative offices are open, and the refuge lands are expected to remain closed for up to two weeks due to flooding.

Within the USFWS Southwest Region (Region 2), the Incident Management Team (IMT), staged at the Balcones Canyonlands NWR, ordered one Law Enforcement Officer to supplement Texas Chenier Plains. Forty-three (up from 38 yesterday) are assigned to the incident. Two hundred thirty-seven (up from 153 yesterday) of 510 assets have been assessed for damage. The IMT is evaluating demobilization possibilities and is preparing to turn over control to recovery group and managers.

The USFWS currently has 6 employees displaced due to Harvey, with 2 of the employees' homes being directly impacted by the flood waters. Human Resource personnel are working on a request to send information out to affected employees that may want advance salary payments.

There are two barges that are beached and sunk on the Aransas NWR, and the USFWS will be working with United States Coast Guard (USCG) to coordinate their removal. Additionally, there are several barges stranded on San Jose Island (not on USFWS land) that will be evaluated on Wednesday by the USCG. The USFWS will be coordinating with the USCG regarding impacts to endangered species.

**Office of the Special Trustee for American Indians**

*Source: Office of the Special Trustee for American Indians (OST) – September 4, 2017*

OST should have the names and addresses of beneficiaries from affected counties by close of business Tuesday September 5, if not before. They will then work with the United States Postal Service to ensure those checks get delivered.

**Bureau of Safety and Environmental Enforcement Offshore Oil/Gas Activities Update (Final):**

*Source: Bureau of Safety and Environmental Enforcement – September 4, 2017*

Offshore oil and gas operators in the Gulf of Mexico are re-boarding platforms and rigs and restoring normal operations following Harvey, and the Bureau of Safety and Environmental Enforcement (BSEE) Hurricane Response Team continues to monitor the operators' activities as they return to safe operations. As of today, personnel remain evacuated from 14 production platforms, which represent 1.97-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have returned to all five of the previously evacuated rigs. According to Gulf of Mexico operator reports, approximately 6.94-percent of the current oil production of 1,750,000 barrels of oil per day in the Gulf remains shut-in, and about 8.05-percent of the natural gas



production of 3,220 million cubic feet per day remains shut-in. BSEE reports that this will be the final update of evacuation and shut-in production statistics for Harvey.

**Future Actions:**

The Interior Operations Center will continue to monitor Harvey Response and Recovery Operations and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-16r-17

**Subject:** Harvey Response and Recovery

**Date:** September 5, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southeastern Texas/Southwestern Louisiana

**Update:** Update #18

**DOI Mission Assignments as of September 5, 2017:**

There are currently a total of 202 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #4 8/28/2017 4332DR-TX-USFS-04	Office of Wildland Fire	Provide logistical support to multiple Incident Support Bases (ISBs), Federal Staging Area (FSAs), or other logistics facility.	Subtasked under ESF-4 \$ 3m	6 - NPS 1 - BIA 21 - FWS 1 - BLM	Beaumont, TX

<p>ESF #5 8/25/2017 TX-17082301-DOI-01 (original) and 4332DR- TX-DOI-03 (amendment)</p>	<p>Office of Emergency Management (OEM)</p>	<p>Support SILC position activation at the National Response Coordination Center (NRCC).</p>	<p>\$55,000</p>	<p>One 24/7 position supported by 8 DOI personnel</p>	<p>FEMA HQ</p>
<p>ESF #5 8/26/2017 4332DR-TX-USGS-01</p>	<p>United States Geological Survey (USGS)</p>	<p>To provide advance support, real- time field measurement s, and daily reporting of water heights in direct support of federal response operations related to Harvey</p>	<p>\$1,000,000</p>	<p>19 personnel (8 from Texas, 4 from Florida, 3 from Arizona, 2 from Oklahoma, and 2 from New Mexico) 13 currently collecting high water marks (HWMs) along the coastal areas, 2 personnel are providing team coordination and data entry support, and 4 personnel are planning for the expanding field work</p>	<p>Corpus Christi, TX</p>
<p>ESF #5 3382EM-LA- USGS-01</p>	<p>United States Geological Survey (USGS)</p>	<p>Provide advance support, real- time field measurement s, and daily reporting of water heights in direct support of federal</p>	<p>\$200,000</p>	<p>2 personnel from Louisiana are in the field today flagging HWMs. 4 additional personnel will be in the field 9/6 to flag and survey additional HWMs</p>	<p>southwest Louisiana</p>

		response operations for flooding related to of Hurricane Harvey for impacted or declared parishes in Louisiana			
ESF #9 8/26/2017 TX-17082301-DOI-03	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 NPS Personnel	College Station, TX
ESF #11 8/25/2017 TX-17082301-DOI-02	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13 8/28/2017 4332DR-TX-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI Sub-tasked \$600,000 under total ATF ESF-13 MA \$5.6m	QRT 1 : DEPLOYED 28 AUGUST 13 - FWS Refuge - EN ROUTE TO HOUSTON FOR REASSIGNMENT OR DEMOB 12- NPS - DEMOBILIZED 4 SEPTEMBER	QRT 1 has ceased operations in Galveston. 12 NPS LEOs were demobilized 4 September and are in travel status en route to

				<p>QRT 2 : DEPLOYED 28 AUGUST 10 - BLM 13 - BIA 2 - OLES</p> <p>QRT 3 : DEPLOYED 1 SEPTEMBER 13 - BLM 12 - FWS Refuge</p> <p>QRT 4 : DEPLOYED 1 SEPTEMBER 22 - FWS OLE</p> <p>QRT 5 : DEPLOYED 1 SEPTEMBER 12 - FWS Refuge 7 - NPS 4 - BLM 2 - OLES</p> <p>QRT 6 : DEPLOYED 1 SEPTEMBER 21 - FWS OLE</p>	<p>their duty station. 13 FWS LEOs are en route from Galveston to Houston for reassignment and/or demobilization.</p> <p>QRTs 2-6 are is awaiting assignment at base camp in Houston.</p> <p>Three (3) team members from QRT 4 and four (4) team members from QRT 6 demobilized today and are returning to their duty stations in Florida ahead of Hurricane Irma.</p>
<p>ESF #15 09/03/2017 4332DR- TX_DOI-09</p>	<p>Office of Communications</p>	<p>Provide Public Affairs SME to support the FEMA Joint Information Center in Austin, TX.</p>	<p>\$10,000</p>	<p>Currently working with OCO to identify Public Affairs SME to support</p>	<p>Austin, TX</p>

Natural Cultural Resources (NCR) RSF 4332DR-TX_DOI-08	Office of Environmental Policy and Compliance (OEPC)	Natural and Cultural Resources RSF to provide SME for federal coordination with RSF and support agencies	\$56,910		OEPC working to identify a rehired annuitant NCR RSF field coordinator to deploy to the Texas JFO the week of 9/11
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**General Situation:**

*Source: National Weather Service & Federal Emergency Management Agency – September 5, 2017*

Response and recovery efforts associated with Hurricane Harvey continue. River and bayous will continue to fall below major flood stage, but long-duration flooding will hamper response and recovery activities. Additional showers and thunderstorms are expected in the area through Tuesday.

Federal Emergency Management Agency (FEMA) modeling indicates that over 135,000 homes out of the 2,700,000 homes in the area have been affected by Harvey. Over 22,000 homes may have received significant damage. As of September 4, there were 290 shelters open in Texas with 33,000 occupants, and there were six shelters open in Louisiana with 1,300 occupants. Transportation operations are limited within the region. Eight hospitals remain closed, as well as several roads throughout the impacted areas. As of this morning, there were 55,000 customers without power in Texas.

Effective September 5, at 8:00 p.m. EDT, the FEMA National Response Coordination Center (NRCC) will transition primary incident support, coordination, and reporting responsibilities from Harvey to Hurricane Irma. The FEMA Region VI Regional Response Coordination Center (RRCC) remains activated to Level 1 (24/7 operations). National and Regional Incident Management Assistance Teams (IMATs) have been deployed to Texas, and Liaison Officers (LNOs) have been deployed to Texas and Louisiana. The Texas Emergency Operations Center (EOC) is at Full Activation, and the Louisiana EOC is Monitoring.

A well-defined area of low pressure has formed about 50 miles east of Tampico, Mexico in the southwestern Gulf of Mexico, which is associated with numerous showers and thunderstorms. Environmental conditions are conducive for gradual development, and this system is likely to become a tropical depression during the next couple days. Regardless of development, heavy rains associated with this disturbance are likely over portions of eastern Mexico during the remainder of the week. This system has a 70-percent chance of developing into a tropical cyclone over the next 48 hours.

**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning):**

- *ESF #5 – United States Geological Survey (USGS):* Two personnel from Louisiana are in the field today flagging High Water Marks (HWMs) under Mission Assignment (MA) 3382EM-LA-USGS-

01. Four additional personnel will be in the field on September 6 to flag and survey additional HWMs.

**ESF #9 (Search and Rescue):**

- ESF #9 – National Park Service (NPS): There are no significant updates.

**ESF #11 (Agriculture and Natural Resources):**

- ESF #11 – Office of Environmental Policy and Compliance (OEPC): The Regional Environmental Office in Albuquerque is coordinating with U.S. Fish and Wildlife Service (USFWS) Region II, National Oceanic and Atmospheric Administration (NOAA) Scientific Support Coordinator (SSC) and the Regional Response Team. OEPC headquarters is continuing to participate in National Response Team meetings.

**ESF #13 (Public Safety and Security):**

- ESF #13 – Office of Law Enforcement and Security (OLES): ESF-13 is now shifting its planning beyond this initial deployment and has begun to strategize demobilization and smaller scale rotation. ESF-13 has begun querying agencies to see what resources on the ground may be available to stay beyond the initial two week deployment.

Today's operations include 105 Federal Law Enforcement Officers (FLEOs) providing site security and force protection to ESF #8, 88 FLEOs providing force protection for ESF #9, 700 FLEOs providing direct federal assistance (DFA) to the Harris County and the Houston Police Department, and 65 FLEOs providing base camp security. Three hundred forty LEOs were demobilized yesterday.

Quick Response Team (QRT) 1 has ceased operations in Galveston, Texas. Twelve NPS Law Enforcement Officers (LEOs) were demobilized on September 4 and are in travel status en-route to their duty stations. Thirteen U.S. Fish and Wildlife Service LEOs are en-route from Galveston to Houston, Texas, for reassignment and/or demobilization. QRTs 2-6 are awaiting assignment at base camp in Houston. Three team members from QRT 4 and 4 team members from QRT 6 demobilized today and are returning to their duty stations in Florida ahead of Hurricane Irma. The Bureau of Indian Affairs (BIA) mobile command vehicle (MCV) and mobile sleeping unit (Bunkhouse) remains in standby status. DOI QRT teams are staffed as follows:

**QRT 1 - Deployed August 28:**

- 13 - FWS Refuge – En-route to Houston for re-assignment or demobilization
- 12- NPS – Demobilized on September 4

**QRT 2 - Deployed August 28:**

- 10 - BLM
- 13 - BIA
- 2 - OLES

**QRT 3 - Deployed September 1**

- 13 – BLM
- 12 - FWS Refuge

QRT 4 - Deployed September 1

- 22 - FWS OLE

QRT 5 - Deployed September 1

- 12 - FWS Refuge
- 7 - NPS
- 4 - BLM
- 2 - OLES

QRT 6 - Deployed September 1

- 21 - FWS OLE

**DOI Bureau and Office Reporting:**

**National Park Service**

*Source: National Park Service (NPS) – September 5, 2017*

The NPS held a Hurricane Coordination call today, and there are no significant updates.

**Office of Natural Resources Revenue**

*Source: Office of Natural Resources Revenue (ONRR) – September 5, 2017*

ONRR's Houston office opened today, September 5 and employees will work with their Supervisors to modify their work schedule, if needed. One employee made it back to Denver safe Saturday afternoon after he traveled to Houston on official duty and remained in the hotel for 13 days during hurricane Harvey.

**United States Geological Survey**

*Source: United States Geological Survey (USGS) – September 5, 2017*

Thirty-three personnel from the USGS Texas Water Science Center (TXWSC) were in the field today making discharge measurements, taking water quality samples, and performing gage repairs. Teams are comprised of 31 personnel from the TXWSC and 1 person from the South Atlantic Water Science Center. Six streamgages are currently damaged or not reporting and eight streamgages have been repaired.

**Other Federal and State Government Reporting:**

**United States Department of Homeland Security (DHS)**

*Source: USDHS – September 5, 2017*

The DHS Crisis Action Team de-activated today for the Harvey Response and Recovery Effort in the Gulf Coast, United States. The Component Actions Report is suspended. All Requests for Information will be handled by the National Operations Center (NOC).

**Future Actions:**

The Interior Operations Center will continue to monitor Harvey Response and Recovery Operations and requests that Bureau/Office Emergency Management Coordinators continue report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.



**Distribution:**

Assistant Secretaries  
Bureau Heads  
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EM Coordinators and Alternates  
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EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17-17

**Subject:** Hurricane Irma

**Date:** September 3, 2017

**Time:** 6:00 p.m. EDT

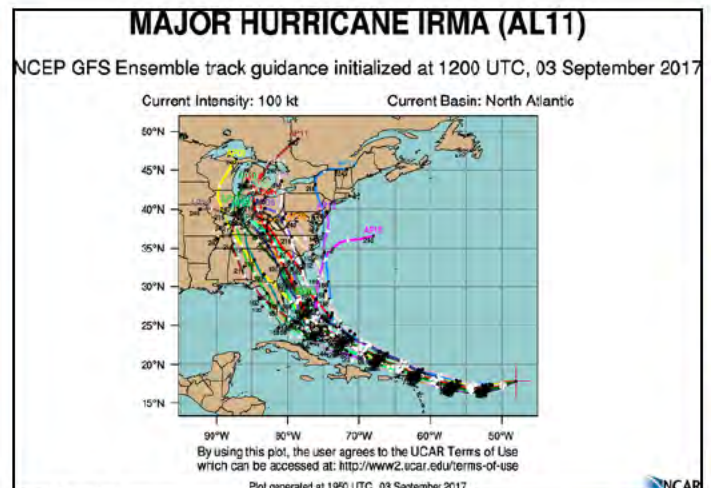
**Location:** Atlantic Ocean

**Update:** Initial Report

**General Situation:**



Hurrevac Image



NCAR Image

As of 5:00 p.m., Hurricane Irma was located approximately 885 miles to the east of the Leeward Islands. Irma is moving towards the west-southwest near 14 miles per hour (mph) and this motion should continue through tonight at a slightly slower speed. The storm is forecast to turn toward the west on tomorrow. Maximum sustained winds are 115 mph, with higher gusts. Irma is a Category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale and additional strengthening is expected during the next 48 hours. Currently, there are no coastal watches or warnings in effect.

**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning):**

*Source: ESF #5 – United States Geological Survey (USGS) – September 3, 2017*

- USGS Support to ESF - 5 - Information and Planning
  - Mission Assignment (MA) PR-17090102-USGS-01
    - MA was signed yesterday with FEMA Region 2 to deploy storm surge sensors in Puerto Rico ahead of Hurricane Irma, and to flag and survey high water marks (HWMs) on both Puerto Rico and the US Virgin Islands, if impacts warrant. The amount of the MA is \$200,000
    - 1 person from the Caribbean-Florida Water Science Center (CFWSC) is programming sensors today
    - 6 personnel from CFWSC will be deploying sensors at up to 14 locations on Monday, based on needs coordinated with FEMA
    - Information from sensors will be available on the USGS [Flood Event Viewer](#)

**DOI Bureau and Office Reporting:****Office of Occupational Safety and Health: Safety Information for First Responders**

*Source: Office of Occupational Safety and Health (OSH) – September 3, 2017*

DOI first responders and recovery workers who have to work in and around flooded areas face a variety of risks and hazards. OSHA has developed a [Flood Preparedness and Response website](#) that provides information about safety and health hazards that workers may face during and after a flood event and how to prepare and stay safe in this type of environment. Additionally, the National Institute for Occupational Safety and Health (NIOSH) [Emergency Response Resource site](#) provides current preventive medicine and safety information for first responders and recovery workers.

DOI employees currently deployed or who may deploy to the response and recovery area can contact the DOI Office of Occupational Safety and Health at (202) 219-0199 if they have questions or need additional information.

**National Park Service**

*Source: National Park Service (NPS) – September 3, 2017*

Given the potential impact of the hurricane if it does hit Virgin Islands Coral Reef National Monument, Hurricane Hole opened yesterday. The Cruz Bay Visitor Center will be closed starting September 5 until further notice. All park programs are cancelled, with the exception of Monday's Reef Bay guided hike. Mooring fields (other than Hurricane Hole) will be closed Monday at 6 p.m. Additional updates can be found on the [webpage](#).

**U.S. Geological Survey**

*Source: U.S. Geological Survey (USGS) – September 3, 2017*

USGS has 31 employees on Puerto Rico and one employee on St. John, United States Virgin Islands, who is collocated with NPS. All employees are accounted for.

**US Fish and Wildlife Service (FWS)**

*Source: U.S. Fish and Wildlife Service (FWS) Southeast Region (R4) Update - September 3, 2017*

The FWS Southeast (Region 4) Hurricane Irma planning calls will begin on September 4. Puerto Rico Operations Conference calls will begin on September 6 and convert over to Region 4 Operations calls on September 7. FWS's Puerto Rico location is already conducting their pre-staging storm activities. It is understood that pre-positioning resources on the mainland 24 hours earlier than was done for Hurricane Harvey would make things easier on field staff.

**Other Federal and State Government Reporting:****U.S. Coast Guard 7<sup>th</sup> District Port Condition Notice**

*Source: U.S. Coast Guard (USCG) – September 1, 2017*

Effective September 1, the Coast Guard Captain of the Port San Juan set Port Condition FOUR for Puerto Rico and the U.S. Virgins Islands. During Port Readiness Condition Four port facilities are currently open to all commercial traffic and all transfer operations may continue until further notice. At this time, Coast Guard Captain of the Port San Juan anticipates setting Port Readiness Condition WHISKEY on Sunday, September 3 at 10 a.m. EDT, for the U.S. Virgin Islands and 8 p.m. for Puerto Rico. These dates and times are subject to change based on future forecast.

During Port Readiness Condition WHISKEY, sustained winds between 39 and 54 mph are possible within 72 hours. Mariners are reminded there are no safe havens in these facilities, and ports are safest when the inventory of vessels is at a minimum. All ocean-going commercial vessels greater than 500 gross tons should make plans for departing the port.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials  
 Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17a-17

**Subject:** Hurricane Irma

**Date:** September 4, 2017

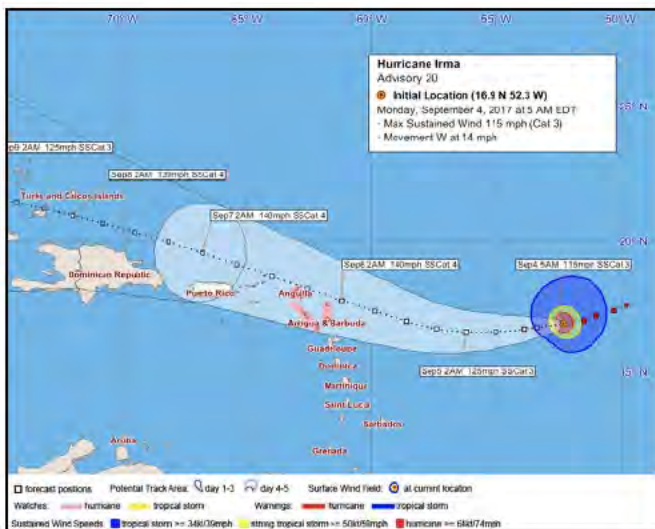
**Time:** 8:00 a.m. EDT

**Location:** Atlantic Ocean

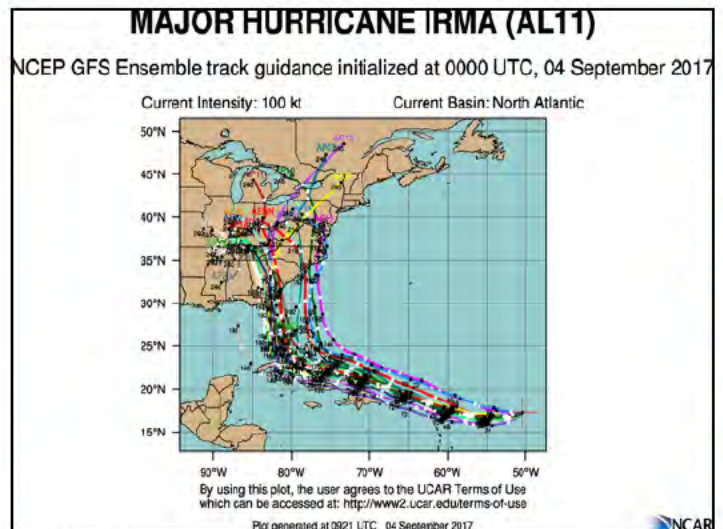
**Update:** Update #1

**General Situation:**

**Source:** National Weather Service/National Hurricane Center, Department of Homeland Security – September 4, 2017



Hurrevac Image



NCAR Image

As of 5:00 a.m. EDT, Hurricane Irma was located approximately 680 miles to the east of the Leeward Islands. Irma is moving towards the west-southwest near 14 miles per hour (mph) and forecast to turn toward the west later today. The center of Irma will move closer to the Leeward Islands through Tuesday and then be near the northern Leeward Islands Tuesday night. Irma is a category 3 hurricane, with maximum sustained winds near 115 mph. Some strengthening is forecast through Tuesday night.

A Hurricane Watch is in effect for Antigua, Barbuda, Anguilla, Montserrat, St. Kitts, Nevis, Saba, St. Eustatius, St. Maarten, Saint Martin and Saint Barthelemy. Swells generated by Irma will begin affecting the northern Leeward Islands today. These swells are likely to cause life-threatening surf and rip current conditions.

The FEMA Region II and X have deployed Incident Management Assistance Teams to the U.S. Virgin Islands (USVI) and Puerto Rico (PR). Two Incident Support Bases have been established on PR. The PR Emergency Operations Center will fully activate on September 4. The U.S. Coast Guard reports cutters and aircraft in PR will be repositioned for storm avoidance. All ports in PR and USVI will be at Port Condition YANKEE (closed to inbound traffic and limited movement within the port) on September 5 by approximately 8:00 a.m. EDT. The U.S. Navy has deployed two amphibious operations ships with U.S. Marines embarked to support planned response operations pending a Mission Assignment.

### **DOI Bureau and Office Reporting:**

#### **National Park Service**

*Source: National Park Service (NPS) – September 4, 2017*

The Caribbean National Parks are open. NPS Hurricane Coordination calls resumed. Resource lists for San Juan, Saint Croix, and Virgin Island have been identified. Parks from the Southeast Region of the NPS will participate on these calls as Hurricane Irma moves westward.

### **Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
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IOS Senior Officials  
Select Individuals/Interagency



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17b-17

**Subject:** Hurricane Irma

**Date:** September 4, 2017

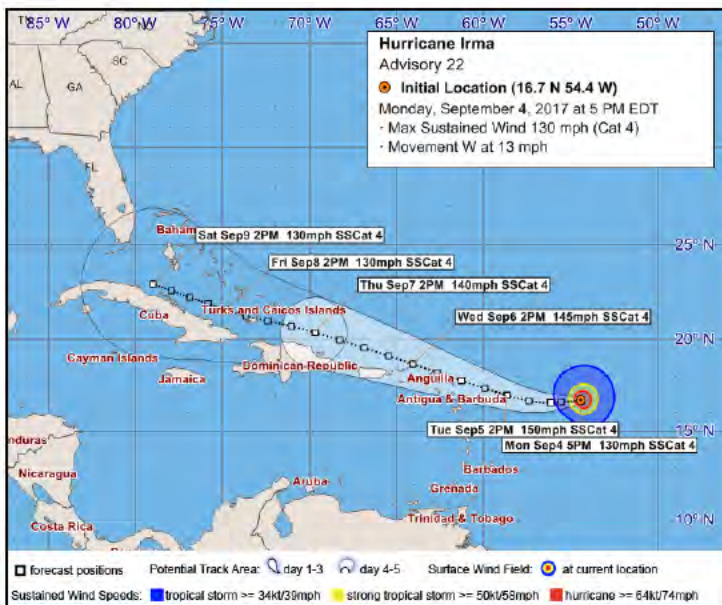
**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

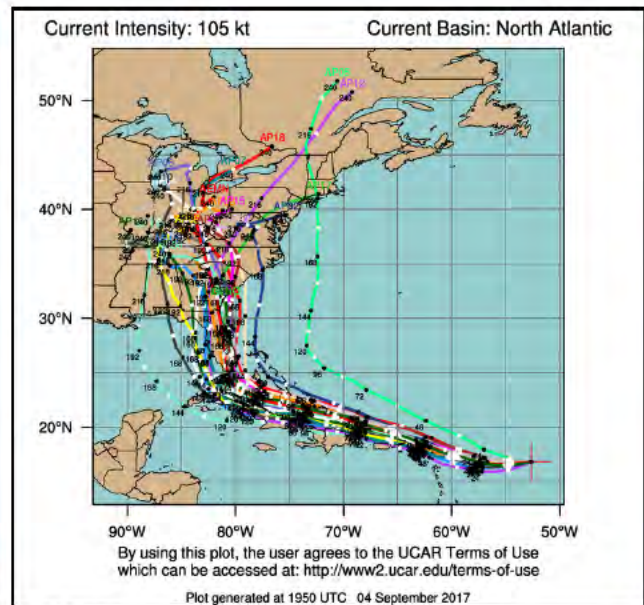
**Update:** Update #2

**General Situation:**

**Source:** National Weather Service/National Hurricane Center, Department of Homeland Security – September 4, 2017



HURREVAC Image



NCAR Image

As of 5:00 p.m. EDT, Hurricane Irma was located about 490 miles to the east of the Leeward Islands and moving to the west at 13 miles per hour (mph). This general motion is expected to continue today, followed by a turn toward the west-northwest on Tuesday. On this forecast track, the center of Irma will move near or

over portions of the northern Leeward Islands on Tuesday night and early Wednesday. Maximum sustained winds are 130 mph, and additional strengthening is expected through the next 24 hours. Hurricane-force winds are extending outward up to 40 miles, and tropical storm-force winds extend outward up to 140 miles.

A Hurricane Warning is in effect for Antigua, Barbuda, Anguilla, Montserrat, St. Kitts, Nevis, Saba, St. Eustatius, Sint Maarten, Saint Martin, and Saint Barthelemy. A Hurricane Watch is in effect for Guadeloupe, the British Virgin Islands, the U.S. Virgin Islands, Puerto Rico, Vieques, and Culebra. A Tropical Storm Watch is in effect for Dominica, and a Tropical Storm Warning is in effect for Guadeloupe.

Irma is expected to produce total rainfall accumulations of 3 to 6 inches across the Leeward Islands, with isolated maximum amounts of 10 inches across the northern Leeward Islands. These rainfall amounts may cause life-threatening flash floods and mudslides. The combination of a dangerous storm surge and large breaking waves will raise water levels by as much as 6 to 9 feet above normal tide levels along the coasts of the extreme northern Leeward Islands within the Hurricane Warning area. Near the coast, the surge will be accompanied by large and destructive waves. Hurricane conditions are expected within the Hurricane Warning area by Tuesday night.

### **DOI Emergency Support Function (ESF) Support:**

*ESF #5 – United States Geological Survey (USGS):* Six personnel from the Caribbean-Florida Water Science Center, working under Mission Assignment (MA) PR-17090102-USGS-01, deployed sensors at 14 locations today. Information from the sensors will be available on the USGS [Flood Event Viewer](#).

*ESF #13 – Office of Law Enforcement and Security (OLES):* Two Quick Response Teams (QRT) from the Federal Bureau of Investigation (FBI) will be deploying to Puerto Rico tomorrow, but there is no estimated timeline for the DOI Irma QRT deployment. The “reserve” list for the Hurricane Harvey ESF #13 is now a “standby” list for Hurricane Irma. The DOI QRT teams on standby are staffed as follows:

#### DOI Irma QRT 1:

- 13 – U.S. Park Police (USPP)
- 10 - National Park Service (NPS)
- 2 – OLES

#### DOI Irma QRT 2:

- 4 – NPS
- 1 – OLES
- Pending – DOI Office of Inspector General (OIG)

### **DOI Bureau and Office Reporting:**

#### **National Park Service Hurricane Irma Update**

*Source: National Park Service (NPS) – September 4, 2017*

The Virgin Islands National Park Cruz Bay Visitor Center will be closed starting Tuesday. As of today, all park programs are cancelled, staff ceased collecting fees at Trunk Bay Beach, and lifeguards are no longer on duty. Mooring fields (other than Hurricane Hole) will close today at 6:00 p.m. Normal park operations will resume as conditions permit after the storm passes. Additional updates can be found on the park [webpage](#).



## **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 4, 2017*

The USFWS Southeast Region (Region 4) is beginning to assemble a team for Hurricane Irma. Even though the Irma track remains uncertain at this time, USFWS Region 4 may face significant challenges due to USFWS all-hazards response personnel being deployed on fires (i.e. equipment operators, saw qualified personnel, law enforcement resources). Depending on the impacts of Irma, USFWS Region 4 might need to request assistance from other USFWS Regions and inter-agency personnel.

## **United States Geological Survey**

*Source: United States Geological Survey (USGS) - September 4, 2017*

There are 31 USGS employees on Puerto Rico and one on St. John, U.S. Virgin Islands, who is collocated with NPS. There are no impacts or requests for assistance. All employees are accounted for.

## **Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

## **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
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EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17c-17

**Subject:** Hurricane Irma

**Date:** September 5, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #3

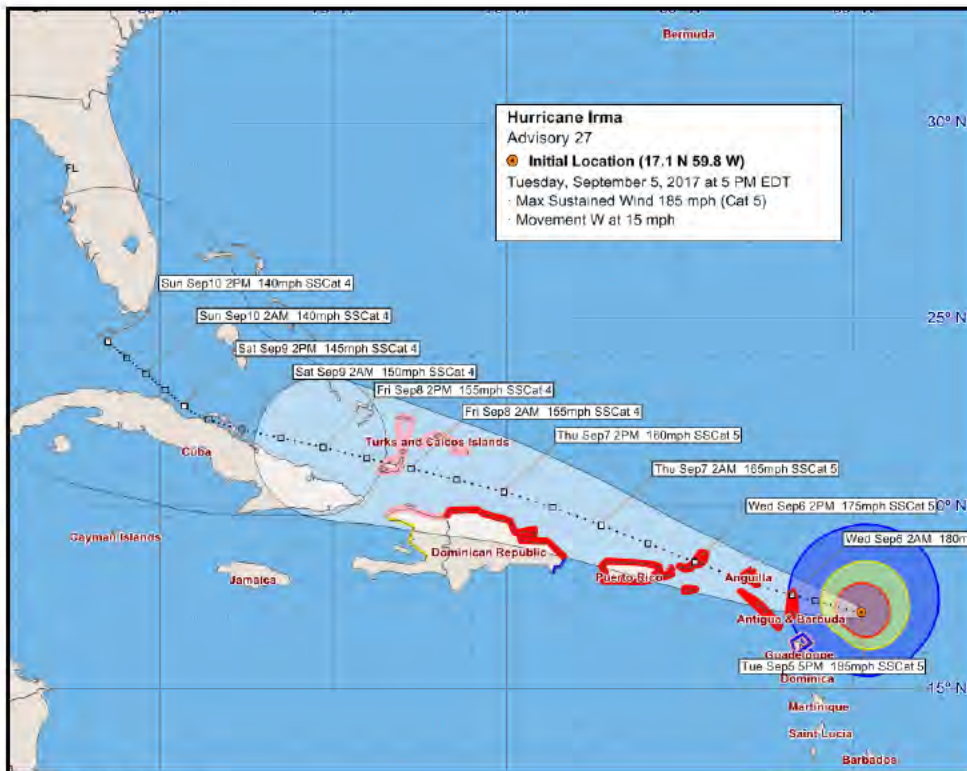
**DOI Mission Assignments as of September 5, 2017:**

There are currently a total of 6 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Hurricane Irma	\$200,000	6	Puerto Rico
ESF #13	Office of Law Enforcement and Security (OLES)	Provide Law Enforcement Support for ESF #8 and ESF #9	On standby if needed	30 Personnel Total on Standby  QRT7 14 - NPS (IMT SET, ISB) 3 - OLES (SER SET)  QRT 8 13 - USPP	Currently no estimated timeline for deployment for our team.

**General Situation:**

Source: National Weather Service/National Hurricane Center, Department of Homeland Security – September 5, 2017



HURREVAC Image

NCAR Image

As of 5:00 p.m. EDT, Hurricane Irma was located about 130 miles to the east of Antigua and moving to the west at 15 miles per hour (mph). A turn toward the west-northwest is forecast to begin tonight and continue for the next couple of days. On the forecast track, the extremely dangerous core of Irma will move over portions of the northern Leeward Islands tonight and early Wednesday, move near or over portions of the northern Virgin Islands Wednesday, and pass near or just north of Puerto Rico late Wednesday and Wednesday night. Maximum sustained winds are 185 mph with higher gusts. Irma is an extremely dangerous category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely during the next day or two, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days. Hurricane-force winds are extending outward up to 60 miles, and tropical storm-force winds extend outward up to 175 miles.

A Hurricane Warning is in effect for the northern Leeward Islands, the British and U.S. Virgin Islands, Puerto Rico, and Dominican Republic. A Hurricane Watch is in effect for Guadeloupe, Haiti, Turks and Caicos Islands, and southeastern Bahamas.

Irma is expected to produce total rainfall accumulations of 8 to 12 inches across the northern Leeward Islands, with isolated maximum amounts of 20 inches. These rainfall amounts may cause life-threatening flash floods and mudslides. The combination of a dangerous storm surge and large breaking waves will raise water levels by as much as 7 to 11 feet above normal tide levels along the coasts of the northern Leeward

Islands within the Hurricane Warning area. Near the coast, the surge will be accompanied by large and destructive waves.

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #5 (Information and Planning):**

- *ESF #5 – United States Geological Survey (USGS):* Nine storm surge sensors were deployed on September 4 under Mission Assignment (MA) PR-17090102-USGS-01. No additional sensors will be deployed due to safety concerns for personnel. Information from the sensors will be available on the USGS Flood Event Viewer. Initial plans have been developed to perform high water mark (HWM) flagging and surveying once conditions safely allow.

USGS is coordinating with the Federal Emergency Management Agency (FEMA), Region 4, for a potential MA to deploy storm surge sensors over portions of the Florida coast. USGS has plans in place for deployments for both the east and the west coasts of Florida and can execute when there is more certainty on the forecast track of Hurricane Irma.

#### **ESF #10 (Oil and Hazardous Materials Response)**

- *ESF #10 – Office of Environmental Policy and Compliance (OEPC):* EPA has deployed one individual for ESF #10 to Puerto Rico. Additional staff are in reserve and are prepared to deploy to Puerto Rico and the United States Virgin Islands (USVI) once Hurricane Irma has passed. USDA is supporting the ESF #11 desk at the National Response Coordination Center (NRCC). No ESF #11 staff have been deployed to either Puerto Rico or the USVI at this time, but personnel is prepared to respond should there be requests for assistance.

#### **ESF #13 (Public Safety and Security):**

- *ESF #13 – Office of Law Enforcement and Security (OLES):* The DOI Quick Response Teams (QRT) on standby are staffed as follows:

Irma QRT 1: Standby

- 13 – U.S. Park Police (USPP)
- 10 – NPS (Incident Management Team (IMT), Special Event and Tactics (SET) Team)
- 2 – OLES

### **DOI Bureau and Office Reporting:**

#### **National Park Service Hurricane Irma Update**

*Source: National Park Service (NPS) – September 5, 2017*

#### **Caribbean Island Park Updates:**

- Virgin Islands, St. Croix - Closed - All employees are accounted for and the emergency plan has been activated. Staff members are finalizing shutting down the Park today and closing down operations tomorrow. Based on the weather forecast and road conditions, operations and concessionaires will remain closed. The park is monitoring and will reassess Thursday or Friday morning. Law Enforcement will be on duty providing coverage during the normal operation period. Staff will continue to watch the storm and provide additional updates as necessary.

- Virgin Islands, Buck Island - Closed - All employees are accounted for and the emergency plan has been activated. All employees are moving off the island and the Park is closing at noon today. All operations at Buck Island are cancelled. No resources are needed at this time.
- Virgin Island National Park - Closed - All employees are accounted for. Employees are taking care of their homes. There are about 49 employees and 30 are on St. John. No resources are needed at this time. VIIS has two houses that are rated for category 5. Those houses will be a priority for park residence. The park is developing a plan to get a support team to St. John quickly after Hurricane Irma to help set up landing pads and clear the roads so rescue personnel can access the Park and USVI residents.
- San Juan National Historical Site (SAJU) - Closed - All employees are accounted for. The Incident Management Team (IMT) is activated. The goal tomorrow morning is to finish all shutdown procedures by 11 am Atlantic Standard Time (AST). A crew of 11 employees, including one supervisor, has been identified for a response effort in St. John but will remain in Puerto Rico until post storm. The park will not open on Tuesday or Wednesday to the public. Tomorrow, operations are to secure the Forts and account for employees. The park was able to acquire water, food, and supplies in advance of the Hurricane and is working to acquire 21 more cases of meals ready to eat (MREs) from the National Guard. Employees are said to check in at normal duty hours and are instructed to go to the fire department to use a satellite (SAT) phone. There are about 120 employees to account for. The park will brief out to the Region when they are all accounted for. The park has three SAT phones: 2 in the VIIS, 1 with IMT at SAJU. The park is planning to be self-sufficient for 72 hours until help arrives.

#### South East Region Park Updates

- Big Cypress National Preserve (BICY) - All employees are accounted for, no resources are requested at this time, the Severe Weather Plan (SWP) is activated, Delegation of Authority is authorized to the Incident Commander (IC), and BICY will close at noon on September 6. Law enforcement officer (LEO) emergency response personnel will remain on duty. Employees will start using the Emergency Incident Coordination Center (EICC) phone system as employees are released from work and/or evacuated. Due to the latest hurricane predictions, Preserve shutdown preparations have begun with intent to be completely closed by close of business tomorrow, in accordance with the SWP. Stores are out of water and many of the other needed supplies. Folks are anxious to take care of their families and homes and begin traveling north. Additionally, the park is going to order a mandatory evacuation for on-site staff to coincide with county evacuation orders.
- Biscayne National Park – The IMT activated today. Operations are at Level III. The park is staging boats. Staff members plan to shut down the park by Thursday. No resources are needed.
- Everglades National Park- There was a tactics meeting today to discuss the need for planning. The park will likely implement the plan today.
- South Florida/Caribbean Network (SFCN) – Staff are implementing the hurricane plan. There is a need for warehouse or garage space to store boats.

#### United States Geological Survey Hurricane Irma Update

*Source: United States Geological Survey) – September 5, 2017*

The USGS has 31 employees on Puerto Rico and 1 employee on St. John, USVI, who is collocated with NPS. All employees are accounted for. All offices were closed as of 12:00 pm Atlantic Standard Time (AST) today.

USGS personnel are completing inventory assessments of supplemental equipment that may be needed for deployment and are ensuring critical stream gages in Puerto Rico and in Florida are operational. Total water level [forecasts](#) from select sandy beach locations in Florida are available from the Coastal and Marine Science Center. Coastal Change [Forecasts](#) will be available if the National Oceanic and Atmospheric Administration (NOAA) issues them for Florida (based on certainty in forecast track). The USGS Office of Communications will be establishing coordinated information and data website for Hurricane Irma today. The USGS National Geospatial Program has developed updated 1:250,000 scale maps for Puerto Rico and the USVI, and is developing similar maps for Florida. This was similar to what was done for Texas. Maps will be available for hard-copy print and delivery under USGS contract with the Defense Logistics Agency

### **Office of Insular Affairs Hurricane Irma Update**

*Source: Office of Insular Affairs (OIA) – September 5, 2017*

The OIA has been in consultation with the Governor of the USVI. The Governor's Declaration of Emergency and stand up of the National Guard went into effect today. Schools are closed until further notice and shelters will be opened.

### **Other Government Reporting:**

#### **United States Department of Homeland Security (DHS)**

*Source: Open Source Public Media – September 5, 2017*

Governor Rick Scott declared a state of emergency yesterday for Florida and activated the Florida Air National Guard today with 100 members called up immediately and 7,000 told to report for duty Friday morning. There is a mandatory evacuation for Florida Keys visitors. Puerto Rico Governor Ricardo Rossello declared a state of emergency yesterday and authorities have activated the emergency plan.

### **Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of Interior personnel, lands, and/or facilities that may occur.

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
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IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17d-17

**Subject:** Hurricane Irma

**Date:** September 6, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #4

**DOI Mission Assignments as of September 6, 2017:**

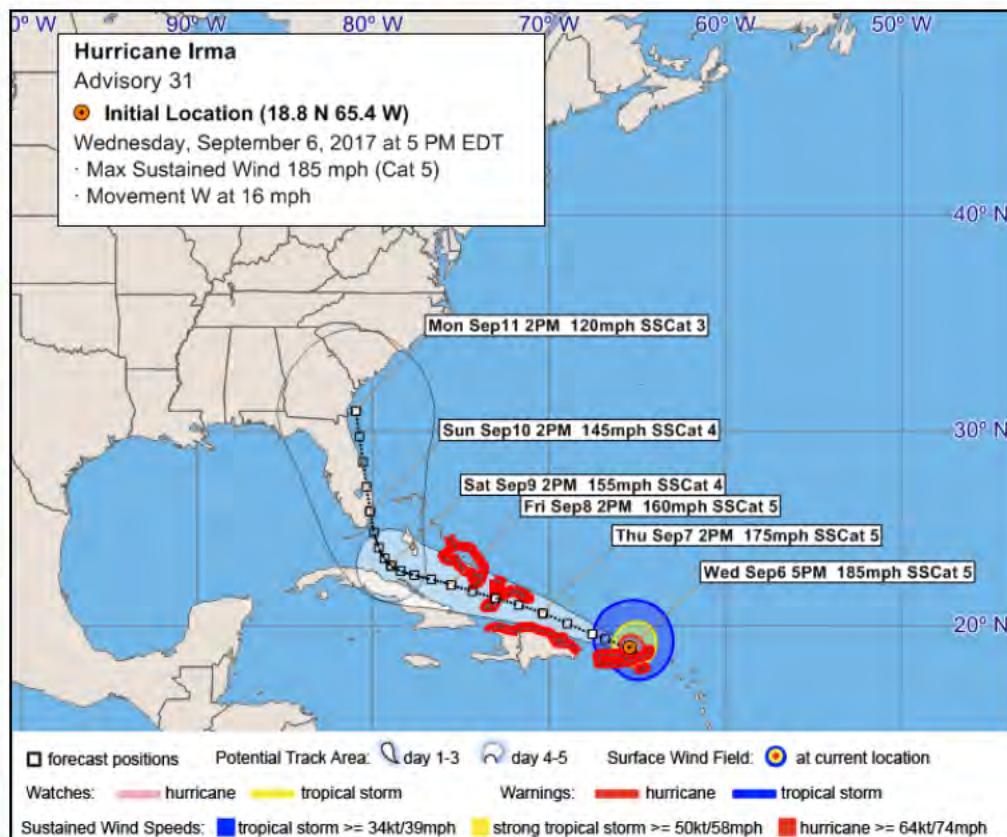
There are currently a total of 19 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	# of DOI Personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Hurricane Irma	\$200,000	6	Puerto Rico
ESF #5 FL MA # being finalized	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$339,000	12	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from

					Everglades City to Fort Myers
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1	Location to be determined as incident progresses
ESF #13	Office of Law Enforcement and Security (OLES)	Provide Law Enforcement Support for ESF #8 and ESF #9	On standby if needed	30 Personnel Total on Standby  QRT7 14 - NPS (IMT SET, ISB) 3 - OLES (SER SET)  QRT 8 13 - USPP	Currently no estimated timeline for deployment for our team.

**General Situation:**

Source: National Weather Service/National Hurricane Center – September 6, 2017



HURREVAC Image



As of 5:00 p.m. EDT, Hurricane Irma was located about 40 miles to the northwest of St. Thomas and moving to the west-northwest at 16 miles per hour (mph). This general motion is expected to continue for the next couple of days. On the forecast track, the extremely dangerous core of Irma will pass just north of Puerto Rico tonight, pass near or just north of the coast of Hispaniola Thursday, and be near the Turks and Caicos and southeastern Bahamas by Thursday evening. Maximum sustained winds are 185 mph, with higher gusts. Irma is an extremely dangerous category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days. Hurricane-force winds are extending outward up to 50 miles, and tropical storm-force winds extend outward up to 185 miles.

A Hurricane Warning is in effect for the U.S. Virgin Islands, the British Virgin Islands, Puerto Rico, Vieques, Culebra, portions of the Dominican Republic, portions of Haiti, the southeastern Bahamas, the central Bahamas, and the Turks and Caicos Islands. A Hurricane Watch is in effect for portions of Cuba and the northwestern Bahamas.

Irma is expected to produce total rainfall accumulations of 6 to 12 inches across portions of northeastern Puerto Rico, the British Virgin Islands, and the U.S. Virgin Islands, with isolated amounts of up to 20 inches possible. This rainfall may cause life-threatening mudslides and flash flooding. The combination of a life-threatening storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach 7 to 11 feet above ground in the U.S. Virgin Islands (except St. Croix) and the British Virgin Islands. The storm surge in northern Puerto Rico is expected to be 4 to 6 feet above ground, and the storm surge on the southern coast of Puerto Rico and St. Croix is expected to be 2 to 4 feet above ground.

#### **DOI Emergency Support Function (ESF) Support:**

##### **ESF #5 (Information and Planning):**

- ESF #5 – United States Geological Survey (USGS): The USGS is working to deploy storm surge sensors and rapid deployment gages today and Thursday on the southeastern coast of Florida from Saint Lucie County to Key Largo and on the southwestern coast of Florida from Everglades City to Fort Myers. This work is being completed under Mission Assignment (MA) MA 3385EM-FL-USGS-01. This MA may be amended to allow deployment of sensors in additional coastal areas, based on Irma's forecast track.

The Caribbean-Florida Water Science Center is receiving additional sensors today that can support expanded efforts under MA. The USGS is coordinating with FEMA Region 4 for a potential MA to deploy storm surge sensors and rapid deployment gages in Georgia and the Carolinas, as warranted based on Irma's forecast path.

##### **ESF #9 (Search and Rescue)**

- ESF #9 – National Park Service (NPS): More ESF #9 search and rescue assets will likely be requested for Irma, and NPS will be utilizing those personnel that have already been “rostered”.

##### **ESF #10 (Oil and Hazardous Materials Response)**

- ESF #10 – Office of Environmental Policy and Compliance (OEPC): The U.S. Environmental Protection Agency (EPA) has deployed one individual for ESF #10 to Puerto Rico. Additional

personnel are on standby and prepared to deploy to Puerto Rico and the U.S. Virgin Islands once Irma has passed.

#### **ESF #11 (Agricultural and Natural Resources)**

- ESF #11 – OEPC: No ESF #11 personnel have been deployed to either Puerto Rico or the U.S. Virgin Islands, but personnel are prepared to respond should there be requests for assistance.

#### **ESF #13 (Public Safety and Security):**

- ESF #13 – Office of Law Enforcement and Security (OLES): There is a significant focus on Hurricane Irma at this time, and it is likely that an ESF #13 deployment to southeastern U.S. and the affected U.S. territories will occur. ESF #13 is in the process of identifying manpower to support any potential deployments to areas impacted by Irma. The DOI Quick Response Teams (QRT) on standby are staffed as follows:

##### Irma QRT 1: Standby

- 13 – U.S. Park Police (USPP)
- 10 – NPS (Incident Management Team (IMT), Special Event and Tactics (SET) Team)
- 2 – OLES

#### **DOI Bureau and Office Reporting:**

##### **National Park Service Hurricane Irma Update**

Source: National Park Service – September 6, 2017

The NPS is reporting that all of the parks in Puerto Rico and the U.S. Virgin Islands are closed at this time. U.S. Virgin Islands sites have lost communications, but satellite phones are available. An Incident Management Team is being established in Puerto Rico, and the Federal Search and Rescue Coordination Group (FSARCG) is also beginning to be established. Contact information for NPS assets in the potential impact areas was provided by the Superintendent for the Caribbean National Parks. NPS is reporting the following closures:

##### U.S. Virgin Islands:

- Buck Island Reef National Monument: Closed
- Christiansted National Historic Site: Closed
- Salt River Bay National Historic Park and Ecological Preserve: Closed
- Virgin Islands National Park: Closed
- Virgin Island Coral Reef National Monument: Closed

##### Puerto Rico:

- San Juan National Historic Site: Closed

##### Florida:

- Big Cypress National Preserve: Closed
- Biscayne National Park: Closed

- Dry Tortugas National Park: Closing at “Close of Business” Today
- De Soto National Monument: Closed
- Everglades National Park: Closing at “Close of Business” Today
- Canaveral National Seashore: Closing at “Close of Business” Today
- Castillo de San Marcos National Monument and Fort Matanzas: Closing at “Close of Business” Today
- Timucuan Ecological & Historic Preserve: Closing at “Close of Business” Tomorrow
- South Florida Caribbean Network: Closed

#### Georgia:

- Cumberland Island National Seashore: To be Determined
- Fort Frederica National Monument: To be Determined
- Fort Pulaski National Monument: Closing Tomorrow

#### **DOI Office of Natural Resources Revenue Hurricane Irma Update**

Source: DOI Office of Natural Resources Revenue – September 6, 2017

The DOI Office of Natural Resources Revenue (ONRR) has deployed one employee to the Interior Operations Center to support the DOI Incident Support Team (IST) for 14 days. ONRR has one employee that is teleworking remotely in Miami, Florida at this time.

#### **Bureau of Land Management Hurricane Irma Update**

Source: Bureau of Land Management – September 6, 2017

The Bureau of Land Management (BLM) Jupiter Inlet Lighthouse in Florida is preparing for Hurricane Irma. Hurricane shutters were installed on 9 out of 11 buildings, and the remaining buildings will be left until the office is closed. If the storm takes any of the predicted tracks up the eastern or central portion of Florida, the site will be closed to public access, along with closing and evacuating artifacts from the Museum. All gas cans and generators are fueled and chainsaws and other equipment that might be necessary for clean-up have been fueled and tested.

#### **United States Geological Survey Hurricane Irma Update**

Source: United States Geological Survey – September 6, 2017

All USGS personnel are accounted for and sheltering in place in Puerto Rico and the U.S Virgin Islands. The USGS has established a coordinated information and data [website](#).

The USGS Coastal and Marine Science Center has total water level [forecasts available online](#). The forecasts provide a 6-day forecast of total water level at select sandy beach locations in Florida and forecast potential for dune overwash and dune inundation at several locations in South Florida by Sunday. Additional locations of dune overwash and dune inundation are forecast for portions of the North Carolina Outer Banks and coastal Virginia by Sunday.

The USGS National Geospatial Program has developed updated 1:250,000 scale maps for Puerto Rico and the U.S. Virgin Islands and is developing similar maps for Florida. This was similar to what was done for Texas. Hardcopy maps have been delivered to Broward, Miami-Dade, and Monroe counties to assist in emergency management operations. The USGS is facilitating activation of the International Charter for

island nations in the Caribbean and will facilitate collection and distribution of multiple space-based imagery products on the [Hazards Data Distribution System \(HDDS\) Explorer](#).

#### **DOI Telecommunication Update – Hurricane Irma**

*Source: DOI Office of Chief Information Officer – September 6, 2017*

The Enterprise Service Network (ESN) reports that eight DOI sites are experiencing network service outages due to Hurricane Irma. The National Park Service and the U.S. Fish and Wildlife Service have impacted sites. Three other U.S. Fish and Wildlife Service sites were down before the storm, but are also in Irma's path.

#### **Office of the Special Trustee for American Indians Hurricane Irma Update**

*Source: Office of the Special Trustee for American Indians – September 6, 2017*

The Office of the Special Trustee for American Indians (OST) is reporting that there are 1,412 Individual Indian Money (IIM) beneficiaries in Florida. OST is reporting that 1,323 of these individuals will have possible payments in the near future, of which 911 would be by check and 412 would be by electronic means.

#### **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service – September 6, 2017*

The U.S. Fish and Wildlife Service (USFWS) is monitoring Hurricane Irma and conducted a coordination call this morning. USFWS has 44 stations in the forecasted path of Irma, and 18 are closed at this time. Additional updates will be provided as new information becomes available.

#### **Bureau of Indian Affairs Irma Update**

*Source: Bureau of Indian Affairs – September 6, 2017*

There are 2 tribes in the path of Irma, the Seminole Tribe of Florida and the Miccosukee Tribe of Indians of Florida. The Bureau of Indian Affairs has been in contact with the tribes, and the Tribal Councils are scheduled to meet to discuss evacuations and declaration options.

#### **Office of Insular Affairs Hurricane Irma Update**

*Source: Office of Insular Affairs – September 6, 2017*

The Office of Insular Affairs is reporting that a U.S. Virgin Islands Command Center has been established in St. Croix. The Governor has been in contact with the White House, the Secretary of the U.S. Department of Health and Human Services, and the Federal Emergency Management Agency (FEMA). FEMA and the Department of Defense have personnel and resources pre-positioned, mainly water, prepackaged meals, and other supplies. Department of Defense resources are on two Navy vessels anchored south of Cuba with assets available for distribution as appropriate.

Airports are expected to remain closed until September 7, and government offices will likely remain closed through Thursday as well. Shelters have been opened on St. Thomas and St. Croix. Information from the Director of the Virgin Islands Territorial Management Agency (VITEMA) is available on the [VITEMA Facebook page](#). Public announcements on VITEMA included phone numbers for general assistance to help ensure that 911 lines are available for actual emergencies.

**Other Federal and State Government Reporting:****DHS National Operations Center and FEMA Irma Update**

*Source: DHS National Operations Center – September 6, 2017*

Hurricane Irma is passing over the U.S. Virgin Islands at this time and power was turned off to St. John and St. Thomas as a precaution. FEMA Region II is reporting that a hospital in St. Thomas has lost its roof and reported to have a partial collapse. The extent of the collapse is unknown at this time. The Emergency Department is evacuating, and evacuations for the remainder of the hospital will soon follow. Additional information concerning the impacts from Irma is not available at this time.

The FEMA National Response Coordination Center (NRCC) remains at Level I (24/7 operations) in response to Hurricanes Harvey and Irma. The FEMA Region IV Regional Response Coordination (RRCC) is currently at level 2 (Partial Activation). Effective 7:00 a.m. EDT tomorrow, the Region IV RRCC will increase to Full Activation. Incident Management Assistance Teams (IMAT) are deployed and enroute to the Florida Emergency Operations Center (EOC). A FEMA Region IV Liaison Officer (LNO) is in place at the Florida EOC, and FEMA Region IV LNOs will be deploying to 10 southern Florida counties over the next 48 hours. An Incident Support Base is being established at Maxwell Air Force Base in Alabama.

The Puerto Rico Emergency Operations Center and the Virgin Islands Territorial Emergency Management Agency are at Full Activation. The Governors of Florida, the U.S. Virgin Islands, and Puerto Rico have declared states of emergency. The Puerto Rico National Guard and the U.S. Virginia Virgin Islands National Guard have been activated. The Florida EOC is activated to Level II (Partial Activation). The U.S. Coast Guard reports that assets in Puerto Rico are being repositioned for storm avoidance, and all of the ports in Puerto Rico and the U.S. Virginia Islands are closed to inbound traffic and limited movement within the port. The U.S. Navy deployed two amphibious operations ships to support planned response operations, pending a Mission Assignment.

On September 5, the President approved an Emergency Declaration for Florida, the U.S. Virgin Islands, and Puerto Rico. The declaration provides for Federal assistance to supplement the response efforts due to the emergency conditions resulting from Hurricane Irma beginning on September 5 and continuing.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

Effective immediately, reporting on the Harvey recovery and response activities will occur on the Monday through Friday Emergency Management Daily Situation Report (EM Daily) cycle. DOI Bureau and Office Emergency Management Coordinators are requested to continue reporting on Harvey activities, but twice-daily reporting on Harvey is not required. If a significant event associated with Harvey occurs, the Interior Operations Center will issue a Spot Report. Any Harvey reports received today will be included in tomorrow's EM Daily.

**Distribution:**

Assistant Secretaries  
Bureau Heads

Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17e-17

**Subject:** Hurricane Irma

**Date:** September 7, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #5

**DOI Mission Assignments as of September 7, 2017:**

There are currently a total of 109 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6	Puerto Rico
ESF #5 9/5/2017 MA being finalized	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #5 FL 3385EM-FL-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$339,000	51	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from Everglades City to Fort Myers

ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1	Location to be determined as incident progresses
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC personnel	FEMA HQ
ESF- #13	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	on standby if needed	QRT7 14 - NPS (IMT SET, ISB) 3 - OLES (SER SET)  QRT 8 13 - USPP	Currently no estimated timeline for deployment for our team.
GA-17083101- USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12	Georgia coast
SC-17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000		SC coast

**General Situation:**

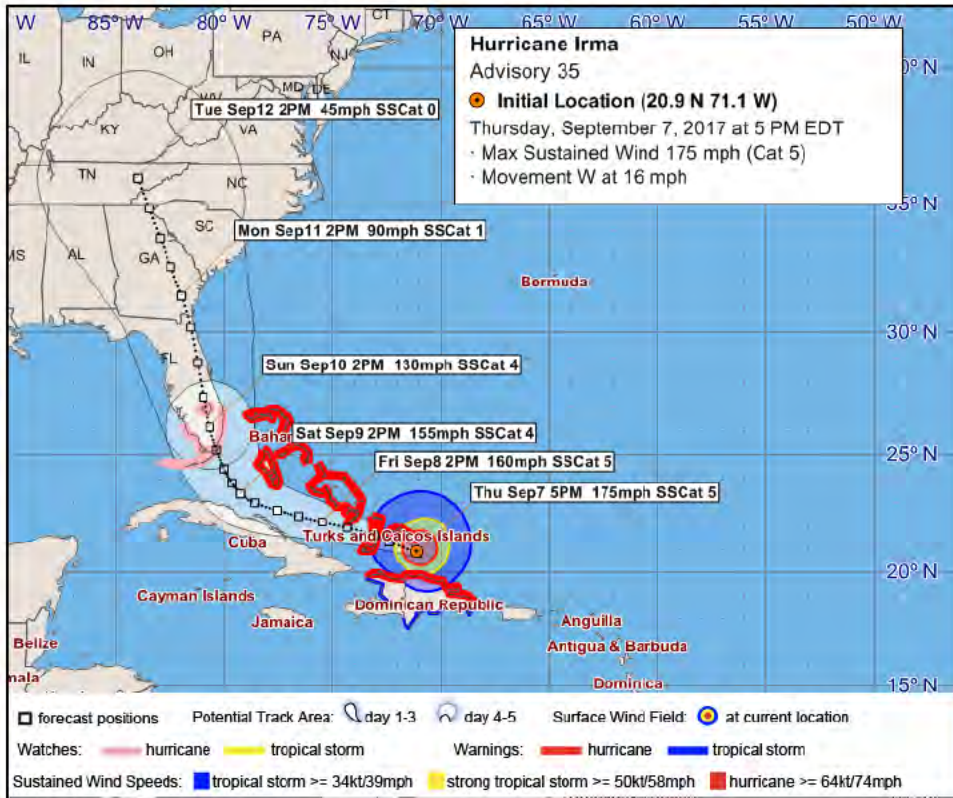
*Source: National Weather Service/National Hurricane Center – September 7, 2017*

As of 5:00 p.m. EDT, Hurricane Irma was located about 40 miles to the south of Grand Turk Island and moving to the west-northwest at 16 miles per hour (mph). This general motion is expected to continue for the next couple of days with some decrease in forward speed. On this forecast track, the eye of Irma should continue to move between Hispaniola and the Turks and Caicos Islands this evening. The core of the hurricane will then move between the northern coast of Cuba and the Bahamas during the next day or two. Maximum sustained winds are 175 mph, with higher gusts, and Irma remains a category 5 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely, but Irma is forecast to remain a powerful category 4 or 5 hurricane during the next couple of days. Hurricane-force winds are extending outward up to 70 miles, and tropical storm-force winds extend outward up to 185 miles.

A Hurricane Watch is in effect for Florida Bay, Lake Okeechobee, the Florida Keys, and much of the southern Florida peninsula. A Storm Surge Watch is in effect in the Florida Keys and the southern Florida peninsula. A Hurricane Warning is in effect for northern portions of Hispaniola, Cuba, the Turks and Caicos Islands, and the Bahamas. Hurricane conditions are possible within the watch area in Florida by Sunday, with tropical storm conditions possible by late Saturday.



Irma is expected to produce total rainfall accumulations of 8 to 12 inches in southeastern Florida and the upper Florida Keys, with isolated amounts of 20 inches possible. The lower Florida Keys could see rainfall amounts of 2 to 5 inches, and portions of northeastern Puerto Rico, the U.S. Virgin Islands, and the British Virgin Islands could receive an additional 2 inches of rain. Portions of the Bahamas and the Turks and Caicos Islands could receive up to 25 inches of rainfall. This rainfall may cause life-threatening mudslides and flash flooding. The combination of a life-threatening storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach 5 to 10 feet above ground in portions of the Florida Keys and the southern Florida peninsula. Locations in the Bahamas and the Turks and Caicos Islands could see a storm surge of up to 20 feet.



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning):**

- ESF #5 – United States Geological Survey (USGS): The Mission Assignment (MA) MA 3385EM-FL-USGS-01 has been amended to allow the deployment of sensors on the northeastern Florida coast. Fifty-one personnel are in the field today deploying storm surge sensors and rapid deployment gages (RDGs). A total of 158 sensors and 6 RDGs will be deployed by the end of the day.

MA GA-17083101-USGS-01 was signed last night, and 12 USGS employees are currently deploying sensors along the Georgia coast. Also signed was MA SC-17083101-USGS-01, and USGS personnel will be going out later today and Friday to deploy storm surge sensors along the South Carolina coast.

The USGS is coordinating with FEMA Region 4 for a potential MA to deploy storm surge sensors and RDGs on the North Carolina coast, including the Outer Banks. A decision is expected this afternoon.

**ESF #9 (Search and Rescue)**

- ESF #9 – National Park Service (NPS): The Federal Search and Rescue Coordination Group (FSARCG) has requested a representative from the NPS to travel to Tallahassee, Florida to setup initial coordination for a possible search and rescue response associated with Hurricane Irma.

**ESF #10 (Oil and Hazardous Materials Response)**

- ESF #10 – Office of Environmental Policy and Compliance (OEPC): The U.S. Environmental Protection Agency (EPA) has deployed one individual for ESF #10 to Puerto Rico. The Regional Environmental Officers in FEMA Regions II, III, and IV are in communication with their U.S. Coast Guard and EPA counterparts, but there have been no reports of major oil spills or hazardous releases.

**ESF #13 (Public Safety and Security):**

- ESF #13 – Office of Law Enforcement and Security (OLES): There is a significant focus on Hurricane Irma at this time, and it is likely that an ESF #13 deployment to southeastern U.S. and the affected U.S. territories will occur. There are 43 ESF #13 personnel deployed in Puerto Rico. A staging area for the mainland response will be established at Moody Air Force Base in Valdosta, Georgia. ESF #13 support personnel are en route, and 8 Quick Response Teams (QRTs) will report on September 10 for Federal-to-Federal support of ESF #8 and ESF #9.
- ESF #13 – Related to Hurricane Harvey Response (OLES): During the evening of September 6, an unknown person (s) broke into a government vehicle and stole an AR-15 rifle, a shotgun, and ammunition. The weapons were issued to a DOI law enforcement officer supporting an ESF #13 mission in Houston, Texas, and indications are that the weapons were secured in a manner consistent with agency policy. A theft report was filed. Harris County Constables reported that at least 15 other non-DOI law enforcement vehicles were broken into and over 3000 burglaries were reported in Harris County on the night of September 6. Additional guidance has been issued to all DOI ESF #13 team members to not leave any weapons, valuables, or law enforcement equipment in their vehicles overnight or unattended.

**DOI Bureau and Office Reporting:****National Park Service Hurricane Irma Update**

Source: National Park Service – September 7, 2017

The NPS is reporting that all Caribbean Parks are in the process of completing employee accountability checks and beginning to conduct damage assessments following the passage of Hurricane Irma. The Superintendent of the Caribbean Parks reported this morning that no injuries have been reported. NPS is reporting the following updates:

- San Juan National Historic Site (Puerto Rico): The park is reporting that half of the employees are accounted for, and personnel are in the process of contacting the others. The park has been assessed, found to be safe, and will reopen tomorrow.
- Saint Croix: The NPS is conducting staff accountability on Saint Croix at this time, and no extensive damage is being reported. Telephones are working. An assessment has been conducted, and the park has been deemed safe. The park could reopen tomorrow during normal operating hours.

- *Virgin Islands National Park:* There have been no injuries reported, but there has been extensive damage to several park homes and park buildings. Arrangements are being made to house those who have been displaced. The park headquarters building is currently without telephone and power, and communication is taking place via a satellite phone. Travel plans are in place to send 13 members from the San Juan National Historic Site to the Virgin Islands National Park. Arranging for air assets has been difficult. The San Juan National Historic Site Facility Chief will be traveling with the group to assist in making an assessment on what resources are needed. A safety manager will also be sent to the park.

#### **Bureau of Land Management Hurricane Irma Update**

Source: Bureau of Land Management – September 7, 2017

The Bureau of Land Management (BLM) Jupiter Inlet Lighthouse in Florida closed at noon today, and personnel will be sent home until it is safe to return to the area. Personnel will also be extinguishing the light, as per U.S. Coast Guard (USCG) orders. Part of the process involves wrapping the lens with bubble wrap, foam, and film. The Museum was evacuated of all artifacts, and BLM administrative facilities have been secured and shutters placed on all windows. Palm Beach County has issued an advisory for all residents to shelter-in-place and remain in the county. Florida has warned that the demand for gas has exceeded supplies, and there are concerns that evacuees will get stranded while attempting to leave.

#### **U.S. Fish and Wildlife Service Hurricane Irma Update**

Source: U.S. Fish and Wildlife Service – September 7, 2017

The U.S. Fish and Wildlife Service (USFWS) is reporting that there are approximately 100 USFWS stations in Hurricane Irma's estimated track. Currently, 18 stations are closed, including the Florida Keys National Wildlife Refuge (NWR) Complex (4 stations), the Southwest Florida Gulf Coast Complex (2 stations), the Caribbean Islands NWR Complex (9 stations), the Caribbean Ecological Services (ES) Field Office (Boquerón and Rio Piedres), and the Caribbean LCC office. At least one refuge, the Culebra NWR, has been heavily impacted by Hurricane Irma.

#### **United States Geological Survey Hurricane Irma Update**

Source: United States Geological Survey – September 7, 2017

The USGS has made contact with all 31 employees in Puerto Rico, and all employees are safe and there are no requests for assistance. The USGS is still attempting to contact their one employee on St John in the U.S. Virgin Islands. The USGS Wetlands Aquatic Research Center (WARC) in Davie, Florida closed at 3:00 p.m. today and will remain closed until Friday. The WARC in Gainesville, Florida is open as a shelter for USGS employees and families in Florida. USGS Caribbean-Florida Water Science Center (CFWSC) offices are instituting a liberal leave policy, and the CFWSC in Davie, Florida will be closed tomorrow.

The USGS Coastal and Marine Science Center (CMSC) has issued [coastal change forecasts](#) based on extra-tropical storm surge modeling for the Atlantic coastline from South Florida to the Outer Banks. Initial forecasts indicate nearly 100-percent of the coastline can expect dune erosion from Hurricane Irma. Nearly 85-percent of the Florida Atlantic coast may experience dune overwash. The majority of coastlines in Georgia and the Carolinas may experience dune overwash or inundation. The CMSC will rerun coastal change forecasts based on National Oceanic and Atmospheric Administration (NOAA) storm surge forecasts, once NOAA makes forecasts available.

The USGS is facilitating the activation of the International Charter for island nations in the Caribbean, Puerto Rico, the U.S. Virgin Islands, and Florida. Baseline imagery is being uploaded now and post event imagery will be collected and distributed through the [Hazards Data Distribution System \(HDDS\) Explorer](#).

**Other Federal and State Government Reporting:**

**Disaster Declaration Activity**

*Source: Federal Emergency Management Agency & White House Press Release – September 7, 2017*

On September 7, the President approved a Major Disaster Declaration for the U.S. Virgin Islands to supplement recovery efforts in the territory due to Hurricane Irma beginning on September 6 and continuing. The declaration provides Federal funding to affected individuals in the islands of St. John and St. Thomas. Assistance can include grants for temporary housing and home repairs, low-cost loans to cover uninsured property losses, and other programs to help individuals and business owners recover from the effects of the disaster. Federal funding is available to the territory and certain private nonprofit organizations on a cost-sharing basis for emergency work in all of the islands in the territory. Federal funding is also available on a cost-sharing basis for hazard mitigation measures throughout the territory.

On September 7, the President issued an Emergency Declaration for the State of South Carolina to supplement state, tribal, and local response efforts due to the emergency conditions resulting from Hurricane Irma beginning on September 6 continuing. Specifically, FEMA is authorized to identify, mobilize, and provide, at its discretion, equipment and resources necessary to alleviate the impacts of the emergency. Emergency protective measures, including direct Federal assistance, will be provided at 75-percent Federal funding. The declaration applies to all 46 South Carolina counties and the Catawba Indian Nation.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17f-17

**Subject:** Hurricane Irma

**Date:** September 8, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #6

**DOI Mission Assignments as of September 8, 2017:**

There are currently a total of 90 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of	\$135,000	12 personnel	Georgia coast

		FEMA response operations for a high-water or flood event			
ESF #5 9/7/2017 SC- 17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from Everglades City to Fort Myers
ESF #5 9/5/2017 MA being finalized	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL

ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	on standby if needed	QRT 2: 25 FWS- OLE	Irma QRT1: 25 NPS (IMR SET, PWR SET, 2 Single Resource) on standby to deploy to VI/PR. Mission is on standby at 1500 on 9/7 with no estimated on deployment time provided. Irma QRT2: Received deployment orders to report to Moody AFB in GA on Sunday, Sept 10. IRMA QRTs 3 - 6 on standby.

**General Situation:**

Source: National Weather Service/National Hurricane Center – September 8, 2017

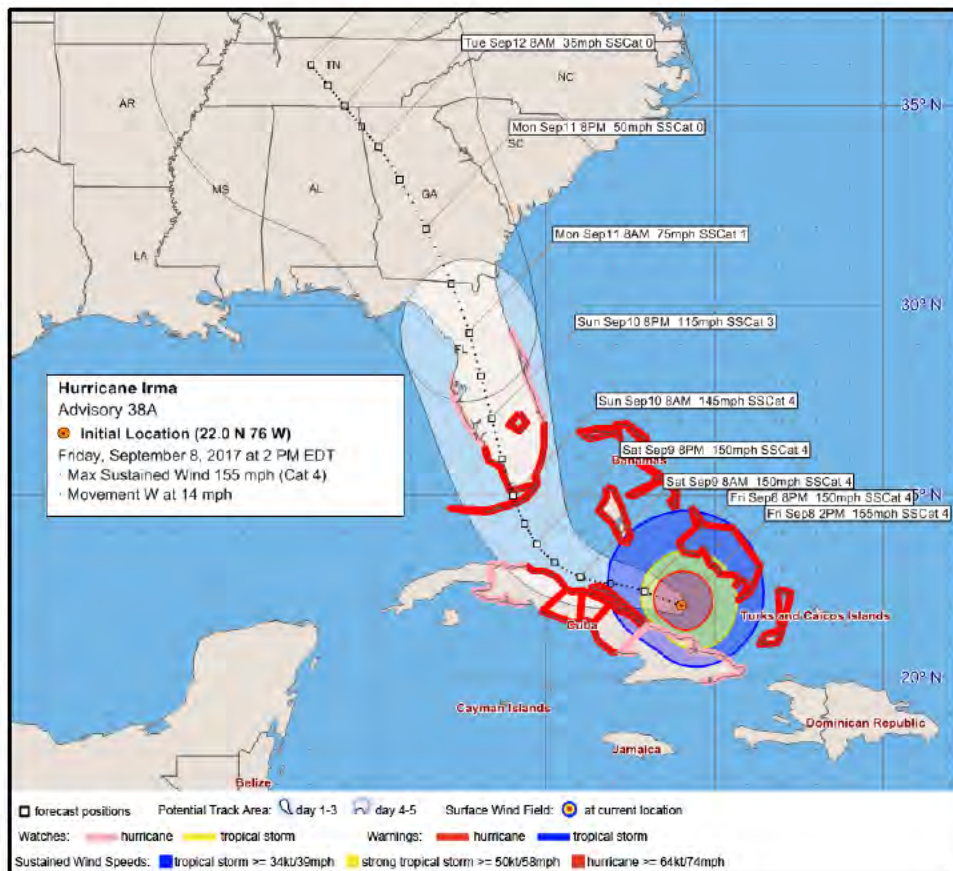
As of 5:00 p.m. EDT, Hurricane Irma was located about 345 miles southeast of Miami, Florida and moving to the west at 12 miles per hour (mph). A turn toward the northwest is expected by late Saturday. On the forecast track, the eye of Irma should continue to move near the north coast of Cuba and the central Bahamas tonight and Saturday, and be near the Florida Keys and the southern Florida Peninsula Sunday morning.

Maximum sustained winds are 155 mph, with higher gusts, and Irma remains a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely to continue during the next day or two, and Irma is expected to remain a powerful category 4 hurricane as it approaches Florida. Hurricane-force winds are extending outward up to 70 miles, and tropical storm-force winds extend outward up to 185 miles.

A Hurricane Warning is in effect for Sebastian Inlet southward around the Florida peninsula to Anna Maria Island, the Florida Keys, Lake Okeechobee, Florida Bay, the Southeastern Bahamas, the Cuban provinces of Camaguey, Ciego de Avila, Sancti Spiritus, and Villa Clara, the central Bahamas, and the northwestern Bahamas. A Hurricane Watch is in effect for the area north of Sebastian Inlet to the

Flagler/Volusia County Line, north of Anna Maria Island to the Suwannee River, and the Cuban provinces of Guantanamo, Holguin, Las Tunas and Matanzas.

Irma is expected to produce total rainfall accumulations of 8 to 15 inches in the Florida Keys, much of the Florida peninsula, and southeast Georgia, with isolated amounts of 20 inches possible. Western and northern Florida peninsula, from Tampa northward, could see rainfall amounts of 4 to 8 inches, with isolated amounts up to 12 inches. Eastern Georgia, western South Carolina and western North Carolina could see rainfall of 4 to 7 inches. This rainfall may cause life-threatening mudslides and flash flooding. The combination of a life-threatening storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach 8 to 12 feet above ground in portions of the Florida Keys and the southern Florida peninsula.



HURREVAC Image

## DOI Emergency Support Function (ESF) Support:

### **ESF #5 (Information and Planning):**

- ESF #5 – United States Geological Survey (USGS):  
USGS Support to ESF-5 -- Information and Planning
  - MA PR-17090102-USGS-01
    - 9 storm surge sensors were deployed on 9/4
    - Information from sensors will be available on the USGS Flood Event viewer at: <http://stn.wim.usgs.gov/FEV/#IrmaSeptember2017>
    - 4 personnel are in the field today to attempt to retrieve surge sensors and flag validating high water marks around sensor locations
  - MA 3385EM-FL-USGS-01



- This MA has been amended to allow deployment of sensors on the northeast Florida coast
- 24 personnel completed tasks in northern Florida this morning deploying storm surge sensors.
- 163 sensors and 6 Rapid deployment gages have been deployed
- MA GA-17083101-USGS-01
  - 12 employees are in the field today completing storm surge sensor deployment
  - 12 surge sensors have been deployed
- MA SC-17083101-USGS-01
  - 15 personnel are in the field today deploying storm surge sensors

#### ESF #9 (Search and Rescue)

- ESF #9 – National Park Service (NPS): The NPS has a signed mission assignment to support the Federal Search and Rescue Coordination Group in St. Augustine, Florida. The NPS has one representative on site and operational.

#### ESF #10 (Oil and Hazardous Materials Response)

- ESF #10 – Office of Environmental Policy and Compliance (OEPC): The U.S. Environmental Protection Agency (EPA) has deployed one individual for ESF #10 to Puerto Rico. The Regional Environmental Officers in FEMA Regions II, III, and IV are in communication with their U.S. Coast Guard and EPA counterparts, but there have been no reports of major oil spills or hazardous releases.

#### ESF #13 (Public Safety and Security):

- ESF #13 – Office of Law Enforcement and Security (OLES): Irma Team Status:
  - DOI IRMA QRT 1 : STANDBY  
25 - NPS (IMR SET, PWR SET, 2 SINGLE RESOURCE)  
This team is on standby to possibly deploy to PR/USVI via air transportation. The mission was placed on standby at 1500 hours yesterday with no estimate of a deployment time provided.
  - DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE  
This team received deployment orders to report to Moody Air Force Base near Valdosta, Georgia on Sunday, 10 September.
  - DOI IRMA QRT 3 : STANDBY  
13 - USPP  
8 - NPS (MWR SET)  
2 - OIG  
2 - OLES
  - DOI IRMA QRT 4 : STANDBY  
25 - BLM
  - DOI IRMA QRT 5 : STANDBY  
25 - BIA/TRIBAL

- DOI IRMA QRT 6 : STANDBY  
FWS Refuge - 13  
BLM - 5  
NPS - 4  
OIG - 2  
OLES - 1
- BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel
- The BIA bunkhouse received deployment orders to report to Moody Air Force Base on Sunday, 10 September.

### **DOI Bureau and Office Reporting:**

#### **Office of Insular Affairs**

*Source: Office of Insular Affairs (OIA) – September 8, 2017*

Four confirmed fatalities have been reported on St. Thomas and St. John. Secretary Zinke has authorized the release of the run excise tax payment to the U.S. Virgin Islands, totaling \$223M, to assist with response and recovery efforts. The USVI National Guard, USVI Police, FEMA, DOD, and other Federal and non-profit organizations are assisting with search and rescue operations. Assets staged in the U.S., including ambulances, mobile hospital units, and supplies, are being transported to the USVI by DOD. The only hospital on St. Thomas was evacuated due to destruction of the roof and interior damage. 43 patients were relocated to St. Croix (17 patients) and to Puerto Rico (26 patients) facilities. The St. Thomas hospital is open for emergencies only. HHS is helping to search for alternate facilities on St. Thomas, likely to use a school building. Naval health ships are assisting in the area.

Transportation to St. Thomas and St. John continues to be challenging. St. John is open only for military flights. St. Thomas has helicopter access only. All ports are closed. USVI shelters have flooding and damage. New shelters are being opened at schools. Non-essential federal personnel and families, who sheltered in NPS housing, are being evacuated.

The Governor of the USVI plan to open more shelters, however, there is a need for four major power generating systems to support the additional shelters. Additional requests for tarps, hygiene kits, cots, blankets, water, and food are being responded to by FEMA. The USVI Government plans to shelter people with severe damages to houses. Homes with less damage will have tarps placed over the roofs for people to shelter in place.

- **St. Croix** – Power, water, communications, and transportation repairs are ongoing, but facilities are operational for emergency response purposes and most of the population.
- **St. Thomas / St. John** – Power, water, and communications are in total black out due to damages and to allow repairs, affecting approximately 22,300 homes and business between the two islands.

#### **National Park Service Hurricane Irma Update**

*Source: National Park Service – September 8, 2017*

FEMA approved NPS helicopter transport to deliver emergency personnel and supplies to Saint John (VIIS) today. Five personnel arrived at 0800 to clear the roads for emergency services and assessments. This crew also includes a US Public Health Services official specializing in water treatment. Seven additional personnel will arrive later in the day upon return of the helicopter. Today we will start evacuating nonessential NPS

personnel and their families due to existing conditions on island and the potential for more rain and wind from Hurricane Jose. These employees, to this point, have been sheltered in Category 4 and 5 hurricane park housing. Other staff had previously evacuated prior to the storm. St. Croix (CHRI) staff will deliver emergency supplies to St. John and conduct additional evacuations via a concessionaire's vessel today pending port approval. A Type 2 Team is staging to manage all Irma Incident Management. They will assist with damage assessment coordination so that we can determine the need for additional resources. NPS is reporting the following updates:

- *Puerto Rico*: Puerto Rico is reporting 100% accountability of employees. Culebra Wildlife Refuge and Vieques Wildlife Refuge are reporting water damage. Satellite phones remain the primary means of communication.
- *Saint Croix*: St. Croix (CHRI) staff will deliver emergency supplies to St. John and conduct additional evacuations via a concessionaire's vessel today pending port approval. Christiansted National Historic Site is closed with an anticipated reopening date of September 11, pending electrical power being restored.
- *Virgin Islands National Park*: FEMA has worked with the local assets on the ground to move a 13 person NPS debris clearance and initial assessment team from San Juan to Saint John. This team will carry needed supplies to continue to make access to areas and deliver critical parts to equipment to continue to make access to impacted areas. The flight is scheduled for 0900 ET today. Four employee homes are severely damaged and one home is a total loss. Damage assessments are hindered by debris on the roads.

The Eastern Incident Management Team (EIMT) is rostered and anticipated to move to Atlanta, GA on Monday 9/11 in anticipation of impacts from this storm. The table below is Park status' as of 8:00 a.m. EDT, September 8, 2017:

Park	State/ Territory	Status
Christiansted National Historic Site/ Buck Island Reef National Monument/ Salt River Bay National Historical Park and Ecological Preserve	VI	Closed
Virgin Islands National Park/ Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed

South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Open
Congaree National Parks	SC	Will Close Noon 9/9
Fort Sumter	SC	Open
Reconstruction Era National Monument	SC	Open

### Office of Natural Resources Revenue

*Source: Office of Natural Resources Revenue (ONRR) – September 8, 2017*

ONRR has two employees teleworking remotely that could be impacted by Hurricane Irma. One in Miami, Florida, who has evacuated, headed to New Orleans to wait for the storm to pass. The other employee in North Carolina, who feel they are covered and have a safe location to go to wait for the storm to pass.

### U.S. Fish and Wildlife Service Hurricane Irma Update

*Source: U.S. Fish and Wildlife Service – September 8, 2017*

The U.S. Fish and Wildlife Service (USFWS) is reporting that there are approximately 100 USFWS stations in Hurricane Irma's estimated track. Currently, 18 stations are closed, including the Florida Keys National Wildlife Refuge (NWR) Complex (4 stations), the Southwest Florida Gulf Coast Complex (2 stations), the Caribbean Islands NWR Complex (9 stations), the Caribbean Ecological Services (ES) Field Office (Boquerón and Rio Piedres), and the Caribbean LCC office. At least one refuge, the Culebra NWR, has been heavily impacted by Hurricane Irma.

- Caribbean Islands: 100% accountability of staff; some issues with communications; reports of some damages; all staff members are safe; satellite phone is the only means of communication right now; staff is on admin leave.
- FWS Culebra NWR - water damage in the office, downed trees, green house destroyed; no ATMS or cash available on Culebra; Still working on damage assessments; whole island without power;
- FWS Vieques NWR (including unstaffed - Buck Island, Desecheo, Green Cay, Laguna Cartegena, and Navassa) - Having communication issues, no power, downed trees, some water in the office, everyone is ok.
- FWS Ecological Services- all staff is accounted for; St Thomas has no communications and no power; most staff is on admin leave; post damage assessments being done today; also have issue with cash.
- FWS Office of Law Enforcement Puerto Rico- staff has been accounted for; no power or public water; all facilities are ok; office is closed; employees are home; no gas in Miami.

**Office of Law Enforcement and Security**

Source: Office of Law Enforcement and Security – September 8, 2017

Mission assignments in support of ESF-13 were approved for Puerto Rico, USVI, and Florida. Two QRT Teams are on the ground in Puerto Rico to assist with ESF-8 and ESF-9. Eight QRT Teams were issued deployment orders to travel to Moody AFB for pre-staging.

**Office of Environmental Policy & Compliance**

Source: Office of Environmental Policy & Compliance (OEPC) – September 8, 2017

USDA ESF #11 staff is activated in FEMA Region II, FEMA Region III, and FEMA Region IV. An EPA OSC has been deployed to the Florida EOC with the FEMA IMAT. The OSC is coordinating activities with the Florida Department of Environmental Protection and the Florida Emergency Operations Center. EPA Region IV will continue to distribute situation report as conditions warrant.

**Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 8, 2017

The Seminole Tribe in Florida has requested a direct Presidential Emergency Declaration. The request to the President specifically requested BIA Law Enforcement support through FEMA. BIA Emergency Managers will coordinate with OLES to meet the requested support from the tribe.

**United States Geological Survey**

Source: United States Geological Survey – September 8, 2017

The USGS has made contact with all employees in Puerto Rico and the USVI. All employees are safe and there are no requests for assistance. USGS personnel are making final preparations for Irma impacts. Forecasts indicate the potential for widespread dune erosion and areas on dune overwash, particularly in Florida. Additionally, USGS is reporting the following impacts and response activities:

**USGS impacted units/stations/offices**

- USGS offices on Puerto Rico and on St. John, USVI, are closed today
  - All employees in PR are accounted for
  - All employees in USVI are accounted for
- USGS Wetlands Aquatic Research Center (WARC)
  - WARC - Davie, FL, office closed today
  - WARC - Gainesville, FL, is under a liberal leave policy and will be closed Monday, 9/11
- USGS Caribbean-Florida Water Science Center (CFWSC)
  - CFWSC - Davie, Fort Myers, Tampa and Orlando, FL, offices closed today
- USGS Coastal Marine Science Center (CMSC)
  - CMSC - St. Petersburg, FL, office closed today
- The Global Seismographic Network station on Barbuda has been offline since 9/5 and assumed severely damaged until the site can be accessed and evaluated

**USGS response activities under our own authority**

- Activities of the CFWSC
  - Personnel are returning home to make final personal preparations for Irma impacts
- Activities of the Coastal and Marine Science Center (CMSC)

- CMSC has total water level forecasts available online at: <https://coastal.er.usgs.gov/hurricanes/research/twlviewer/>
- CMSC is updating coastal change forecasts based on NOAA storm surge forecasts for the Atlantic coastline from South Florida to the Outer Banks, which are available at: <https://marine.usgs.gov/coastalchangehazardsportal/>
  - Forecasts indicate potential for widespread dune erosion and areas on dune overwash, particularly in Florida
- USGS Geospatial Support Activities:
  - The USGS National Geospatial Program has developed updated 1:250,000 scale maps for Puerto Rico and the USVI, and developing similar maps for Florida. This was similar to what was done for Texas. Hardcopy maps have been delivered to assist in emergency management operations
  - The USGS GIRT has established an Event Support Mapper at: <http://doildt.maps.arcgis.com/apps/webappviewer/index.html?id=fc49a08d147f44f2acbde91764fbad0b>
  - USGS is facilitating activation of the International Charter for island nations in the Caribbean, Puerto Rico, the USVI, and Florida. Post event imagery from multiple space-based platforms will be collected and distributed through the Hazards Data Distribution System (HDDS) Explorer at: <https://hddsexplorer.usgs.gov/>

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17g-17

**Subject:** Hurricane Irma

**Date:** September 9, 2017

**Time:** 8:00 a.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #7

**DOI Mission Assignments as of September 9, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast

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ESF #5 9/7/2017 SC-17083101- USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high- water or flood event	\$170,000	15 personnel	SC coast
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Along the southeast coast of Florida from Saint Lucie County to Key Largo and on the southwest coast of Florida from Everglades City to Fort Myers
ESF #5 9/5/2017 MA being finalized	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ



ESF- #13 MA#3385EM- FL-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub- tasked under DOJ's MA; total MA is \$7,269,245	(27 personnel) QRT 2: 25 FWS-OLE BIA Bunkhouse, 2 personnel	Irma QRT1: 25 NPS (IMR SET, PWR SET, 2 Single Resource) on standby to deploy to VI/PR. Mission is on standby at 1500 on 9/7 with no estimated on deployment time provided. Irma QRT2: Received deployment orders to report to Moody AFB in GA on Sunday, Sept 10. IRMA QRTs 3 - 6 on standby.
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**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 9, 2017*

As of 5:00 a.m. EDT, Hurricane Irma was located about 245 miles south southeast of Miami, Florida and moving to the west northwest at 12 miles per hour (mph). A turn toward the northwest is expected by late today, with a turn toward the north northwest expected tonight or on Sunday. On the forecast track, the center of Irma will move near the north coast of Cuba today, near the Florida Keys Sunday morning, and then near the southwest coast of Florida Sunday afternoon.

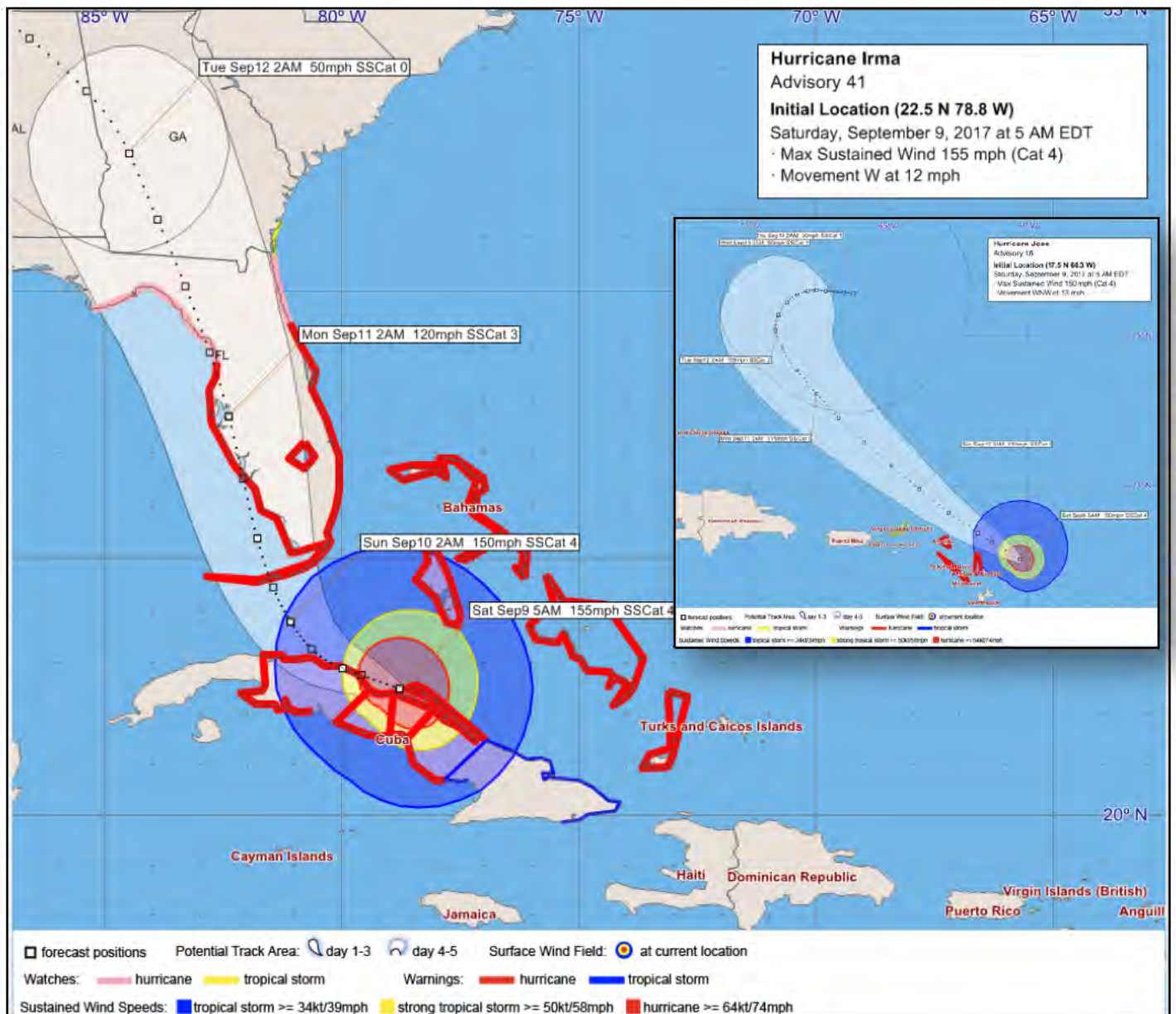
Maximum sustained winds are 155 mph, with higher gusts, and Irma remains a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuations in intensity are likely to continue during the next day or two, and Irma is expected to remain a powerful category 4 hurricane as it approaches Florida. Hurricane force winds extend outward up to 70 miles from the center and tropical storm force winds extend outward up to 195 miles.

A Hurricane Warning is in effect for Flagler/Volusia County Line southward around the Florida peninsula to Chassahowitzka, the Florida Keys, Lake Okeechobee, Florida Bay, Cuban provinces of Camaguey, Ciego de Avila, Sancti Spiritus, Villa Clara, and Matanzas, the Central Bahamas and Ragged Island, and Northwestern Bahamas. A Hurricane Watch is in effect north of the Flagler and Volusia County Line to Fernandina Beach, north and west of Chassahowitzka to Indian Pass, and the Cuban provinces of Holguin and Las Tunas.

Expected accumulations through Tuesday night: Northern Cuba, 10 to 15 inches, isolated 20 inches; Southern Cuba, 5 to 10 inches, isolated 15 inches; Western Bahamas, 3 to 6 inches, isolated 10 inches; the Florida Keys, 10 to 20 inches, isolated 25 inches; the Florida peninsula and southeast Georgia, 8 to 15

inches, isolated 20 inches; the eastern Florida Panhandle, 3 to 6 inches, isolated 8 inches. The rest of eastern Georgia, western South Carolina, and western North Carolina should expect 4 to 8 inches. Western Georgia, eastern and northern Alabama, and southern Tennessee can expect 2 to 5 inches of rain. In all areas this rainfall may cause life threatening flash floods and, in some areas, mudslides.

At 5:00 a.m. EDT, the center of Hurricane Jose was located about 190 miles east-southeast of the Northern Leeward Islands. Jose is moving toward the west-northwest near 13 mph. A continued west northwest to northwest motion is expected during the next couple of days. On the forecast track, the core of Jose will pass close to or just east of the northern Leeward Islands today. Maximum sustained winds are near 150 mph with higher gusts. Jose is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. Some fluctuation in intensity, up or down, could occur during the next 24 hours. Afterward, gradual weakening is expected to occur. Hurricane-force winds extend outward up to 35 miles (55 km) from the center and tropical-storm-force winds extend outward up to 140 miles. A Hurricane Warning is in effect for Barbuda, Anguilla, Saint Maarten, St. Martin, and St. Barthelemy. A Hurricane Watch is in effect for Antigua.



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:****ESF #9 (Search and Rescue)**

- ESF #9 – U.S. Fish and Wildlife Service (FWS): The Department has been asked to ensure all available nationwide assets be offered up to FEMA to address the need. FWS anticipates a Mission Assignment for Unmanned Aircraft System pilots in support of ESF # 9 for Hurricane Irma response.

**DOI Bureau and Office Reporting:****National Park Service Hurricane Irma Update**

*Source: National Park Service – September 8, 2017*

All parks in Florida are closed. Additional parks in Georgia are also closed. The Federal Law Enforcement Training Center is closed. Details for specific parks are on listed below. The table below is Park statuses as of 8:00 a.m. EDT, September 9, 2017:

Park	State/ Territory	Status
Christiansted National Historic Site/Buck Island Reef National Monument/Salt River Bay National Historical Park and Ecological Preserve	VI	Closed
Virgin Islands National Park/Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed
South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Closed
Congaree National Parks	SC	Closes Noon September 9
Fort Sumter	SC	Closed
Reconstruction Era National Monument	SC	Open

- Christiansted – Remains closed and all employees are accounted for. Minor damage was reported, however the park is not yet open for the public and may stay closed through September 11. Personnel will continue to watch Hurricane Jose for any potential impacts. Christiansted is without power, as is about 80 percent of island.
- Virgin Islands – Parks remain closed, and all employees are accounted for. On September 8, the park was able to get two flights approved to move personnel from San Juan, PR to St. John, VI. The park is working on evacuation of non-essential personnel due to the potential path of Hurricane Jose. Total evacuation required is for approximately five personnel. There is not yet a clear picture of the extent of the damage at VIIS; at this time four NPS houses are known to have sustained significant damage and another is being described as a total loss. Caneel Bay was described as having significant damage. NPS personnel have had difficulty assessing the park due the roads being blocked by debris and lack of park resources. The park was able to clear 1 mile of road and clearance continues. Due to power and phone connectivity issues on the island, communication is a challenge. The park has two satellite phones.
- San Juan – Park remains closed, and all employees are accounted for. The park did lose power. Clean up of the site is ongoing and NPS is preparing to reopen September 9, if possible.

#### **Office of the Chief Information Officer**

*Source: Office of the Chief Information Officer (OCIO)– September 9, 2017*

The OCIO reports 25 sites are without power causing massive telecommunication outages across the area. Currently, six employees are in the affected area. The employees and their families will shelter in place and contact OCIO when possible with updates. The OCIO-ESN Unit is shifting resources and attention from the Harvey relief efforts to Hurricane Irma response and recovery.

#### **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service – September 8, 2017*

The U.S. Fish and Wildlife Service (USFWS) reports that currently, 50 stations will be closed as of COB September 9, due to Hurricane Irma. There are approximately 157 stations, including over 400 employees, in Hurricane Irma's estimated track.

There are two FWS 20-person crews onsite in Puerto Rico, which are working in partnership with the Forest Service's onsite response personnel to begin to clear roads and debris. The Incident Management Team (IMT) is conducting initial stabilization and will be working with Special Operations Response Team (SORT) reconnaissance. The IMT added another Operations position to the general staff; it is finalizing 3 Heavy Equipment task force rosters and adding additional Law Enforcement officers to the task forces for security. The IMT is finalizing a safety plan and identifying where best locations for the IMT staging are. The SORT team is working on the initial assessment and reconnaissance for the IMT and Regional Office, and is assisting with employee accountability. The SORT currently has 16 officers available for immediate deployment; 6 officers are on fires right now; FWS has 19 officers located in FL and GA; and 5 officers in Puerto Rico that are accounted for and doing ok. Watercraft and Heavy Equipment teams are finalizing all the rosters for the task forces. Facilities Management personnel are standing by for post assessments. FWS sent out a new Capital Replacement Values sheet to offices today. Aviation Region 4 has three helicopters and other fixed wings available if needed.

- FWS Culebra NWR - All FWS NWR staff are accounted for; there is water damage in the office, downed trees, the green house was destroyed and personnel are still working on complete damage assessments. The whole island of Culebra is without power. No ATMs or cash available on Culebra.
- FWS Vieques NWR (including unstaffed - Buck Island, Desecheo, Green Cay, Laguna Cartegena, and Navassa): All staff are accounted for; however, communications issues continue. There is no power; there are downed trees and water is in the office.
- FWS Ecological Services- All staff accounted for; St. Thomas has no communications or power. Post damage assessments are being done September 9. There are no ATMs or cash available.
- FWS Office of Law Enforcement Puerto Rico- All staff accounted for; however, there is no power or public water; and no gas in Miami. The facilities are ok.

### **Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 8, 2017

This weekend, the Tribal Desk at the NRCC will be operational from 8:00 a.m. EDT to 8:00 p.m. EDT. The September 8 Tribal Assistance Coordination Group (TAC-G) Call was abbreviated to focus discussion on the Tribes in the path of Irma and the TAC-G partners who are directly supporting those Tribes.

The Seminole Tribe of Florida has received approval for their request for an Emergency Declaration from the President of the United States. The request provides for debris removal and emergency protective measures, including direct federal assistance, under the Public Assistance program at 75 percent federal funding.

- The Seminole Tribe of Florida has made decisions to open shelters and to close Tribal business operations. An assessment has been completed by Tribal emergency management.
- Miccosukee Tribe of Indians of Florida gave a detailed and updated briefing on the flood potential and the flooding impact to Tribal housing. The Tribe has been in coordination with the US Army Corps of Engineers and local water authority representatives. The Tribe will coordinate with partners in case pumps are needed to reduce flooding. Both the FEMA Region IV Tribal Liaison and the US Army Corps of Engineers will be working offline to find a pre-storm solution to the Tribe's flooding issues. The Red Cross will also be working on water and ice issues to assist the Tribe.
- The Poarch Band of Creek Indians are watching the progress of the storm today, as the path of the storm creeps to the west of the original predictions.

### **Other Government Agency Reporting:**

#### **DHS National Infrastructure Coordinating Center**

Source: NICC Current Situation Report– September 8, 2017

#### **Energy Sector:**

The U.S. Virgin Island Water and Power Authority (WAPA) reported that all customers on the islands of St. Thomas, which is approximately 19,580 customers are without power and St. John has approximately 2,890 without power. These islands are interconnected and served by one electric grid.

Oil & Natural Gas:

As of 2:00 p.m. EDT September 8, six refineries in the Gulf Coast region were shut down. Five refineries are in the process of restarting after being shut down. At least five refineries in the Gulf Coast region were operating at reduced rates

Maritime Transportation:

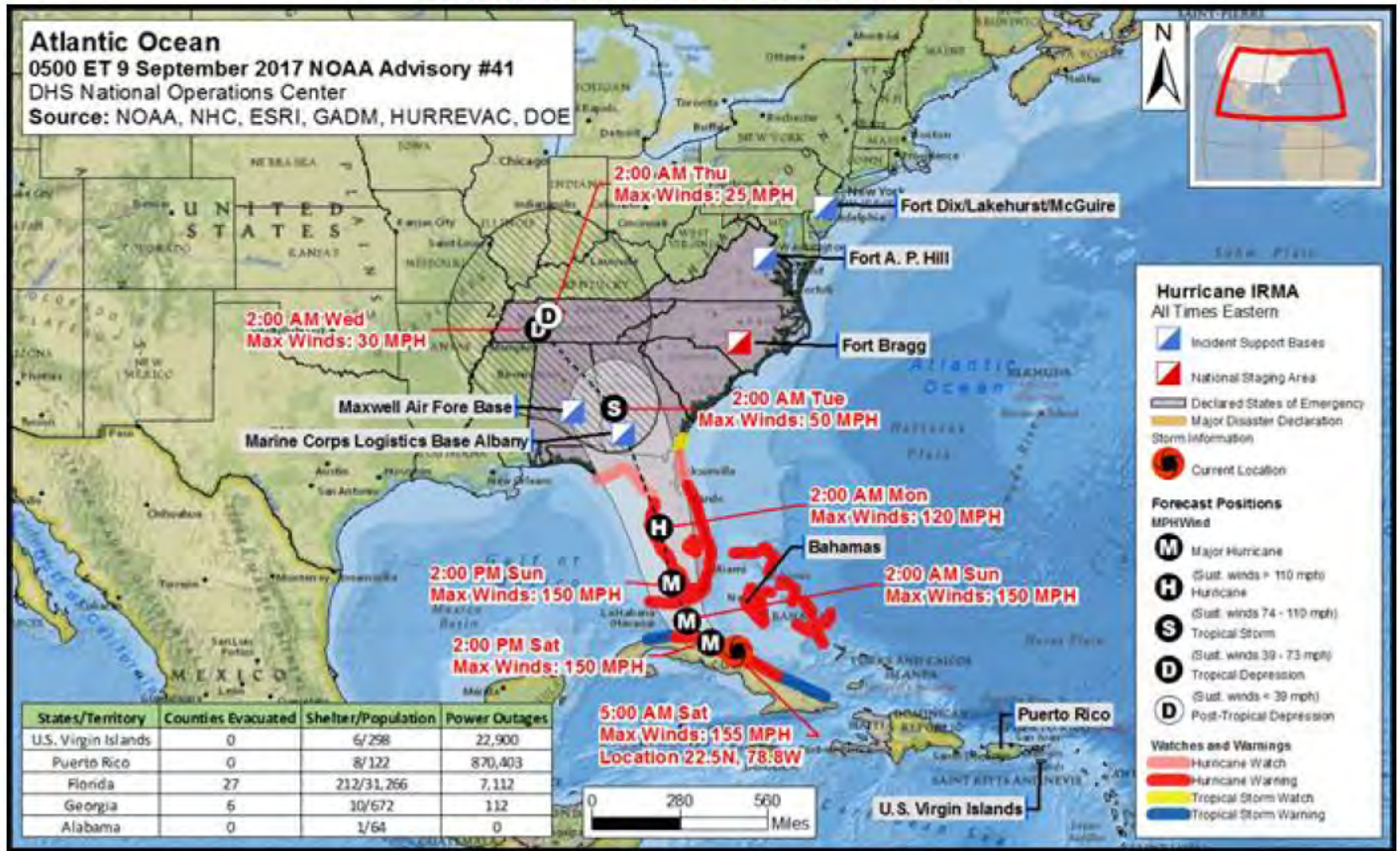
- As of 12:00 p.m. EDT September 8, IP Region II PSA reports U.S. Coast Guard (USCG) Sector San Juan, Puerto Rico (PR) opened the Red Hook Ferry Terminal, St. Thomas & Cruz Bay Ferry Terminal, St. John, U.S. Virgin Islands (USVI), but only for emergency services, and supplies for St. John medical and critical supplies.
- All Key West and Miami area port facilities and vessels are required to make plans and preparations for storm evasion or to shelter in place; all vessels without approval to remain in port will be required to depart and all facilities will be required to submit a facility readiness survey

Activations:

- FEMA National Response Coordination Center is activated at Level I (24/7 operations) and has assumed primary incident support, coordinating and reporting responsibilities. National IMAT East-1 is staging in Atlanta, GA
- FEMA Region I RRCC is at Level III (day shift only). IMAT is currently at RRCC, preparing to deploy depending on Irma's track
- FEMA Region II RRCC is at Level I day shift, Level II night shift, with full ESF support during the day and partial at night. IMAT- in St. Croix, USVI
- FEMA Region III RRCC is at Level III (day shift only with select ESFs)
- FEMA Region IV RRCC is at Level I (Full Activation). IMAT-1 and N-IMAT East 2 deployed to Florida; IMAT-2 at SC EOC
- FEMA Region X IMAT deployed to PR

State and territorial Activations/Declarations:

- FL EOC is at Level I (Full Activation)
- GA EOC is at Level II (Partial Activation) and FEMA reports a mandatory evacuation order for all areas east of I-95, all of Chatham County and some areas west of I-95 that could be impacted by potential storm surge
- SC EOC is at OPCON IV (Monitoring)
- TN EOC is at Level IV (Monitoring)
- PR EOC is at Level IV (Full Activation)
- USVI EOC is at Level II, (Full Activation)
- Governor of Florida declared a state of emergency
- Governor of North Carolina has declared a state of emergency effective at 8:00 a.m. EDT on September 7
- Governor of South Carolina has ordered mandatory evacuations on 08 Sep for the Barrier Islands in Colleton, Beaufort, and Jasper counties, set to begin on Saturday morning
- Governor of Alabama has declared a state of emergency on September 8



DHS NOC Image

### Future Actions:

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

### Distribution:

Assistant Secretaries  
Bureau Heads  
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EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17h-17

**Subject:** Hurricane Irma

**Date:** September 9, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #8

**DOI Mission Assignments as of September 9, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia Coast
ESF #5 9/7/2017 SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	South Carolina Coast



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ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Along portions of the Florida Coast
ESF #5 9/5/2017 FL-17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13 MA#3385EM- FL-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub- tasked under DOJ's MA; total MA is \$7,269,24 5	(27 personnel total) DOI IRMA QRT 2 (25 - FWS- OLE) BIA BUNKHO USE (2 - BIA support personnel)	DOI IRMA QRT 1: STANDBY  DOI IRMA QRT 2: DEPLOYED September 8 25 - USFWS This team received orders to report to Moody Air Force Base on September 10.  DOI IRMA QRT 3: EXPECT Orders NLT September 11 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES  DOI IRMA QRT 4: EXPECT Orders NLT September 11 25 - BLM  DOI IRMA QRT 5: STANDBY 25 - BIA/Tribal  DOI IRMA QRT 6: STANDBY FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1  BIA BUNKHOUSE: DEPLOYED 8 SEPT 2 - BIA support personnel This team received orders to report to Moody Air Force Base on September 10.

**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 9, 2017*

As of 5:00 p.m. EDT, Hurricane Irma was located about 115 miles to the southeast of Key West, Florida and moving to the west-northwest at 9 miles per hour (mph). A northwestern motion is expected to begin tonight with a turn toward the north-northwest on Sunday. On this forecast track, the core of Irma will continue to move near the northern coast of Cuba during the next few hours and will reach the Florida Keys on Sunday morning. The hurricane is expected to move along or near the southwestern coast of Florida on Sunday afternoon.

Maximum sustained winds are near 125 mph, with higher gusts, and Irma is a category 3 hurricane on the Saffir-Simpson Hurricane Wind Scale. Irma is forecast to strengthen once it moves away from Cuba and is expected to remain a powerful hurricane as it approaches Florida. Hurricane force winds extend outward up to 70 miles from the center and tropical storm force winds extend outward up to 195 miles.

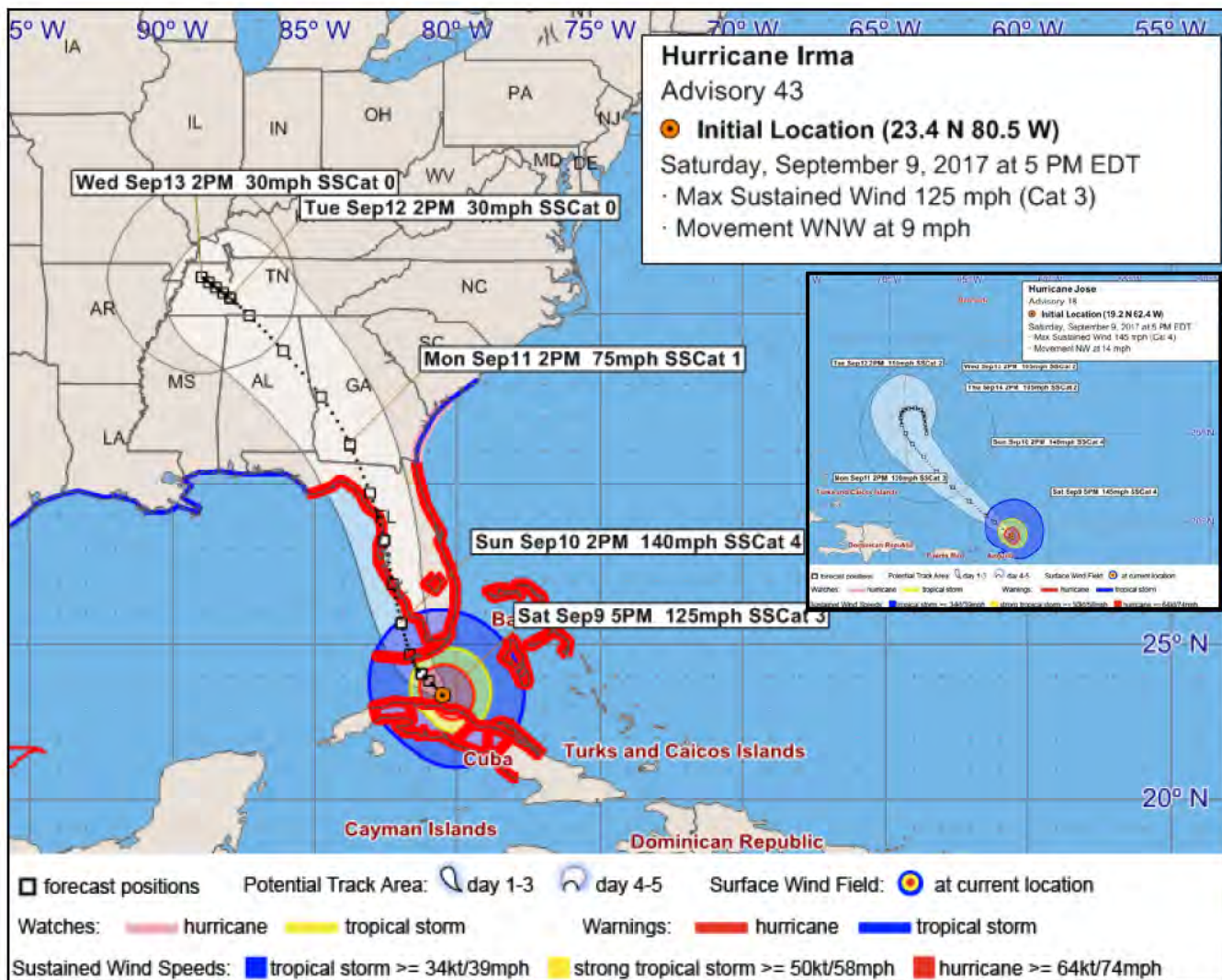
A Hurricane Warning is in effect the Florida Keys, Lake Okeechobee, Florida Bay, and from Fernandina Beach in northwestern Florida southward around the Florida Peninsula to Indian Pass in northwestern Florida. A Hurricane Watch is in effect from north of Fernandina Beach, Florida to Edisto Beach, South Carolina and from west the Aucilla River to Indian Pass, Florida. A Storm Surge Warning is in effect for the Florida Keys, Tampa Bay, and from the South Santee River southward around the Florida peninsula to the Suwanee River. A Storm Surge Watch is in effect from north of Suwanee River to the Ochlocknee River.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves. The water is expected to reach the following heights above ground if the peak surge occurs at high tide:

- Cape Sable to Captiva: 10-15 feet
- Captiva to Ana Marie Island: 6-10 feet
- Ana Maria Island to Clearwater Beach: 5-8 feet
- Card Sound Bridge to Cape Sable: 5-10 feet
- North Miami Beach to Card Sound Bridge: 4-6 feet
- South Santee River to Fernandina Beach: 4-6 feet
- Clearwater Beach to Ochlocknee River: 4-6 feet
- Fernandina Beach to North Miami Beach: 2-4 feet

Hurricane Irma is expected to produce rainfall accumulations of 10 to 20 inches in the Florida Keys, with isolated amounts of 25 inches possible. The Florida peninsula and southeastern Georgia could see rainfall amounts of 8 to 15 inches, with isolated amounts of 20 inches. Portions of the eastern Florida Panhandle, eastern Georgia, eastern and northern Alabama, and southern Tennessee could see rainfall amounts of 2 to 8 inches. In all areas, this rainfall may cause life-threatening flash floods and mudslides. A few tornadoes are possible today and tonight over southern Florida.

At 5:00 p.m. EDT, the center of Hurricane Jose was located about 85 miles east-northeast of the northern Leeward Islands and moving toward the northwest at near 14 mph. A continued northwestern motion is expected during the next couple of days. On this forecast track, the core of Jose will continue to pass north of the northern Leeward Islands through this evening. Maximum sustained winds are 145 miles per hour, and a gradual weakening is expected over the next couple of days. All watches and warnings for the U.S. Virgin Islands have been cancelled. Tropical Storm Warning remains in effect for St. Martin, Sint Maarten, and St. Barthelemy.



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): No USGS personnel were in the field today working under Mission Assignment (MA) PR-17090102-USGS-01. Limited resources are focusing on assessing and repairing damaged gages. Three high water marks (HWMs) have been flagged and surveyed. In Florida, USGS personnel working under MA 3385EM-FL-USGS-01 are sheltering today, with no work planned. In Georgia, ten USGS personnel working under MA GA-17083101-USGS-01 were in the field today. Forty-one surge sensors and seven rapid deployment gages (RDGs) have been deployed. In South Carolina, twelve USGS personnel working under MA SC-17083101-USGS-01 were in the field today and deployed 67 storm surge sensors and three RDGs.

**ESF #11 (Agriculture and Natural Resources)**

- ESF #11 – Office of Environmental Policy and Compliance (OEPC): The FEMA National Response Coordination Center (NRCC) is activated, and a Mission Assignment has been received for staffing of the ESF #11 desk at the NRCC. One employee from BLM is currently working under the ESF #11

Mission Assignment to assist the U.S. Department of Agriculture (USDA) in staffing the NRCC. No additional OEPC or DOI employees are deployed for either ESF #10 or ESF #11 at this time. USDA ESF #11 personnel are activated for Irma in FEMA Region II and FEMA Region IV, as well as the Florida Emergency Operations Center.

### ESF #13 (Public Safety and Security)

- ESF #13 – Office of Law Enforcement and Security (OLES): DOI Irma Quick Response Team (QRT) #1 is currently on standby to possibly deploy to Puerto Rico and the U.S. Virgin Islands. The mission was placed on standby on September 7, with no estimate for deployment provided. The team will be placed in a general reserve status if no assignment is received by 8:00 p.m. tonight. DOI Irma QRT #2 received deployment orders to report to Moody Air Force Base in Georgia on September 10. The Bureau of Indian Affairs (BIA) bunkhouse also received deployment orders to report to Moody Air Force Base on September 10.

### DOI Bureau and Office Reporting:

#### National Park Service Hurricane Irma Update

*Source: National Park Service – September 9, 2017*

The National Park Service (NPS) is continuing to monitor the progress of Hurricane Irma. All employees are accounted for at this time, and NPS has confirmed that all employees have been evacuated from the Florida Keys. As of this morning, there will be no routine flights today at the Caribbean Parks due to weather. Flights involving life-safety mission will continue. NPS teams continue to conduct damage assessments and debris clearance from roads to access park areas in the U.S. Virgin Islands. The table below shows the status of NPS park units as of 8:00 a.m. EDT today:

Park	State/ Territory	Status
Christiansted National Historic Site/Buck Island Reef National Monument/Salt River Bay National Historical Park and Ecological Preserve	VI	Closed (Pending Reopening)
Virgin Islands National Park/Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed (Pending Reopening)
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed

South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Open
Congaree National Parks	SC	Closed
Fort Sumter	SC	Open
Reconstruction Era National Monument	SC	Open

- Dry Tortugas National Park – The park is closed, and all employees have been evacuated and accounted for.
- Biscayne National Park – The park is closed, and some employees have been evacuated. Ten employees were sheltering in place as of yesterday, and the park is monitoring their status. The park Incident Management Team (IMT) is meeting daily.
- Everglades National Park – The park is closed, and all employees have been evacuated and accounted for.
- Big Cypress National Preserve - The park is closed, and all employees have been evacuated from park housing. All employees are accounted for. The park IMT is activated and meeting daily.
- San Juan National Historic Site: The park remains closed, but there still is no power. The main generator is not operational, so smaller generators are being utilized. The park is planning to reopen on September 11.
- Virgin Islands National Park – As of today, all employees remain accounted for, and no injuries have been reported. The park remains closed. St. John Emergency Management and FEMA are utilizing the NPS visitor's center and satellite phone at the Virgin Islands National Park to coordinate response with FEMA Region 2. Local coordination is occurring with FEMA to identify shelter options. Employees from the San Juan National Historic Site have arrived at the U.S. Virgin Islands National Park to assist with response operations.

On September 8, FEMA issued aerial imagery from the U.S. Virgin Islands. A quick analysis of this imagery showed that the images included some of the National Park Service (NPS) structures at the Virgin Islands National Park (below images). Two primary areas were analyzed: Lind Road north of St. John (which includes several park housing structures) and St. John where the Park Headquarters Office is located. The imagery shows damage to several park housing structures in the Lind Road area and shows the outside of the Headquarters Office / Visitor's Center in St. Johns mostly intact.



NPS Images

### **United States Geological Survey Hurricane Irma Update**

*Source: United States Geological Survey – September 9, 2017*

The USGS has made contact with all 32 employees in Puerto Rico and the U.S. Virgin Islands, and all employees are safe. The USGS has confirmed that they have no employees in the Florida Keys. There have been no requests for assistance. USGS employees in Florida are accounted for and are currently sheltering. The USGS Caribbean-Florida Water Science Center (CFWSC) Davie, Fort Myers, Tampa, and Orlando offices will be closed through Monday. Thirteen CFWSC personnel in Puerto Rico were in the field today making discharge measurements and performing gage repairs. Five streamgages in Puerto Rico have been damaged or destroyed.

### **Office of Environmental Policy and Compliance Hurricane Irma Update**

*Source: Office of Environmental Policy and Compliance – September 9, 2017*

OEPC is reporting that a U.S. Environmental Protection Agency (EPA) On-Scene Coordinator (OSC) has been deployed to the FEMA Region IV RRCC and is staffing the ESF#10 desk. An additional OSC has been deployed to the Florida Emergency Operations Center with the FEMA Incident Management Assistance Team (IMAT). The OSC is coordinating activities with the Florida Department of Environmental Protection and the Florida Emergency Operation Center. EPA Region IV will continue to distribute situation reports as conditions warrant.

### **Office of the Chief Information Officer Hurricane Irma Update**

*Source: Office of the Chief Information Officer (OCIO)– September 9, 2017*

The OCIO reports that there are now 30 DOI sites down due to the hurricane. Currently, six employees are in the affected area. The employees and their families will shelter in place and contact OCIO when possible with updates.

### **U.S. Fish and Wildlife Service Hurricane Irma Update**

*Source: U.S. Fish and Wildlife Service – September 9, 2017*

The U.S. Fish and Wildlife Service (USFWS) reports that they have 70 stations closed at this time, and the USFWS personnel in the U.S. Virgin Islands and Puerto Rico are working on cleanup and debris removal. Damage assessments are ongoing. Special Operations Response Teams (SORT) are staging at the Merritt

Island National Wildlife Refuge and the Lower Suwannee National Wildlife Refuge. All employees are accounted for at this time, and all USFWS employees have been evacuated out of the Florida Keys.

**Office of Aviation Services Hurricane Irma Update**

*Source: Office of Aviation Services – September 9, 2017*

The DOI Office of Aviation Services (OAS) is reporting that Hurricane Irma could potentially impact the OAS Eastern Regional Office in Atlanta, Georgia. OAS is maintaining contact with the Eastern Regional Director and will receive daily updates. One permanent OAS teleworker resides in Sarasota, Florida, and the person has been contacted and advised to leave the area.

**Bureau of Indian Affairs**

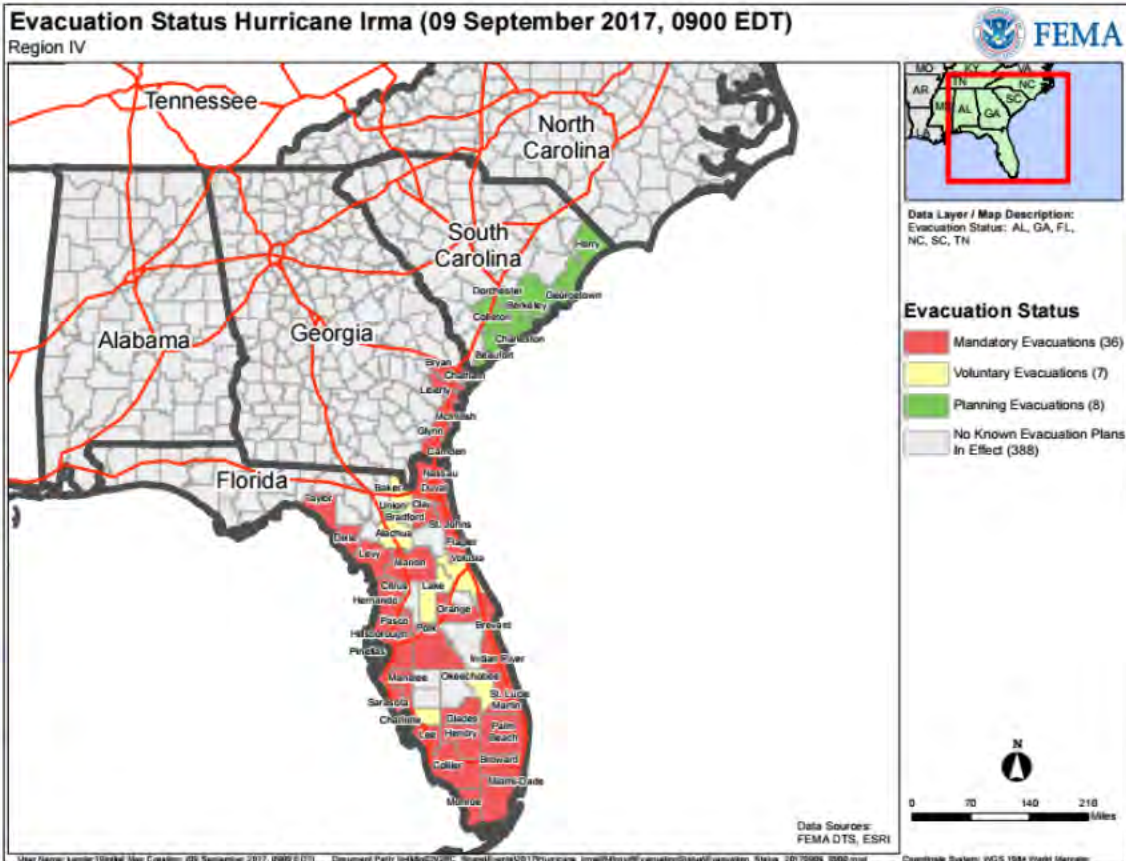
*Source: Bureau of Indian Affairs (BIA) – September 9, 2017*

On September 8, the President approved and Emergency Declaration for the Seminole Tribe of Florida. Specifically, FEMA is authorized to identify, mobilize, and provide at its discretion equipment and resources necessary to alleviate the impacts of the emergency. Debris removal and emergency protective measures, including direct federal assistance, will be provided at 75-percent federal funding. Tribal Assistance Coordination Group (TAC-G) calls are continuing daily.

**Other Government Agency Reporting:**

**Federal Emergency Management Agency Hurricane Irma Update**

*Source: Federal Emergency Management Agency – September 9, 2017*



FEMA Evacuation Map

The FEMA National Response Coordination Center (NRCC) remains activated to Level I (24/7 operations) with all Liaison Officers (LNOs) and ESFs. The FEMA Region II Regional Response Coordination Center (RRCC) remains activated to Level I for day shift and Level II for night shift. The FEMA Region IV RRCC is activated to Level I (24/7 operations), and the FEMA Region III RRCC is activated to Level III (day shift only). An Incident Support Base (ISB) has been established at Randolph Airforce Base in Texas to support air operations, and resources have been staged in Georgia, Florida, Puerto Rico, and the U.S. Virgin Islands. The Puerto Rico and the U.S. Virgin Islands Emergency Operations Centers (EOC) remain at Full Activation.

FEMA is reporting that there have been 5 fatalities and an unknown amount of injuries in the U.S. Virgin Islands and Puerto Rico. A total of 14 shelters are open with a population of about 420. The St. Thomas airport is closed to commercial traffic, but is open for military and emergency operations. The San Juan airport is open. All of the ports in the U.S. Virgin Islands are closed, and the ports in Puerto Rico have reopened, with a few exceptions. In Puerto Rico, there are 687,000 customers without power, which is approximately 47-percent of the total customers. There are 20,000 customers without power in St. Thomas, and 2,900 customers without power in St. John. There are 55,000 customers without power in Florida. Approximately 221,000 customers are without water in Puerto Rico.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk





**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17i-17

**Subject:** Hurricane Irma

**Date:** September 10, 2017

**Time:** 8:00 a.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #9

**DOI Mission Assignments as of September 10, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for	\$170,000	15 personnel	SC coast

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		a high-water or flood event			
ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL-17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR-17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR-17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13 MA#3385EM- FL-USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	(27 personnel total) DOI IRMA QRT 2 (25 - FWS-OLE) BIA BUNKHOU SE (2 - BIA support personnel)	<p>IDOI IRMA QRT 1: STANDBY This team is on standby to possibly deploy to PR/USVI via air transportation.</p> <p>DOI IRMA QRT 2: DEPLOYED 8 SEPT 25 - FWS-OLE This team received orders to report to Moody Air Force Base on Sunday, 10 September.</p> <p>DOI IRMA QRT 3: EXPECT ORDERS NLT MONDAY, 11 SEPT 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES</p> <p>DOI IRMA QRT 4: EXPECT ORDERS NLT MONDAY, 11 SEPT 25 - BLM</p> <p>DOI IRMA QRT 5:</p>

					STANDBY 25 - BIA/TRIBAL  DOI IRMA QRT 6: STANDBY FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1  BIA BUNKHOUSE: DEPLOYED 8 SEPT 2 - BIA support personnel This team received orders to report to Moody Air Force Base on Sunday, 10 September
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**General Situation:**

Source: National Weather Service/National Hurricane Center – September 10, 2017

**Hurricane Irma**

As of 5:00 a.m. EDT, Hurricane Irma was located about 40 miles to south southeast of Key West, Florida. Irma is moving toward the northwest near 8 mph. A turn toward the north-northwest and an increase in forward speed are expected later today, with that motion continuing through Monday. On the forecast track, the eye of Irma should move over the lower Florida Keys in the next few hours, and then move near or over the southwestern coast of the Florida Peninsula later today through tonight. Irma should then move inland over the Florida panhandle and southwestern Georgia Monday afternoon.

Maximum sustained winds are near 130 mph with higher gusts. Irma is a category 4 hurricane on the Saffir-Simpson Hurricane Wind Scale. While weakening is forecast, Irma is expected to remain a powerful hurricane as it moves through the Florida Keys and near the west coast of Florida. Hurricane-force winds extend outward up to 80 miles from the center and tropical-storm-force winds extend outward up to 220 miles.

A Hurricane Warning is in effect for Fernandina Beach southward around the Florida peninsula to Indian Pass, the Florida Keys, Lake Okeechobee, Florida Bay, the Cuban provinces of Ciego de Avila, Sancti Spiritus, Villa Clara, Matanzas, and La Habana. A Hurricane Watch is in effect for the area north of Fernandina Beach to Edisto Beach. A Storm Surge Warning is in effect for the South Santee River southward to Jupiter Inlet, North Miami Beach southward around the Florida peninsula to the Ochlockonee River, the Florida Keys, and Tampa Bay.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves.

The water is expected to reach the following heights above ground if the peak surge occurs at high tide:

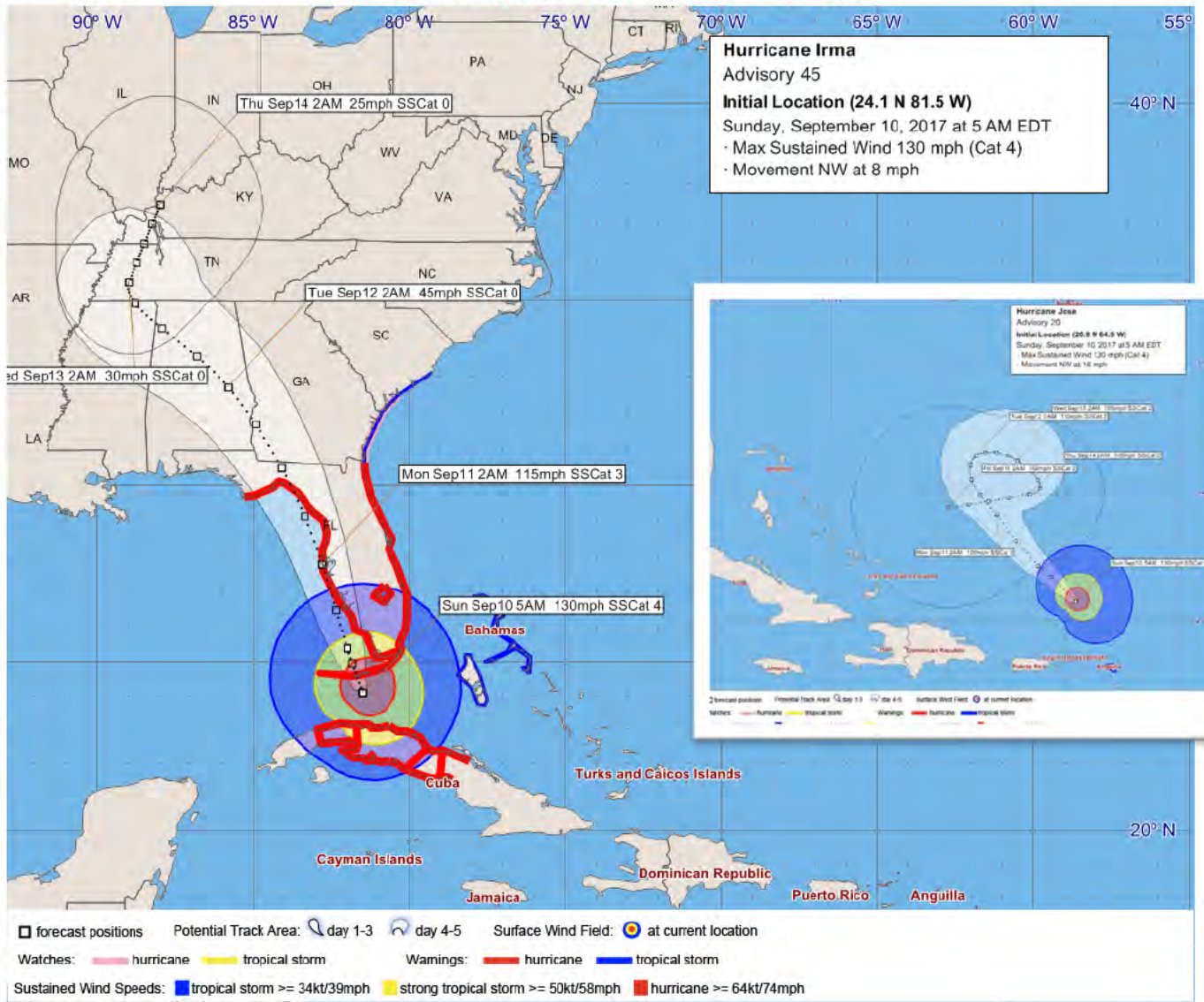
- Cape Sable to Captiva: 10-15 feet
- Captiva to Ana Marie Island: 6-10 feet
- Ana Maria Island to Clearwater Beach: 5-8 feet
- Card Sound Bridge to Cape Sable, including the Florida Keys: 5-10 feet
- Ana Maria Island to Clearwater Beach, including Tampa Bay: 5 to 8 feet
- North Miami Beach to Card Sound Bridge, including Biscayne Bay: 3 to 5 feet
- South Santee River to Fernandina Beach: 4 to 6 feet
- Clearwater Beach to Ochlockonee River: 4 to 6 feet
- Fernandina Beach to Jupiter Inlet: 2 to 4 feet
- North of North Miami Beach to Jupiter Inlet: 1 to 2 feet

Hurricane Irma is expected to produce rainfall accumulations up to 20 inches through Wednesday. In all areas, this rainfall may cause life-threatening flash floods and mudslides. A few tornadoes are possible through tonight, mainly across southern, central, and eastern portions of the Florida Peninsula.

- Western Cuba: additional 3 to 6 inches, isolated 10 inches
- Western Bahamas: additional 2 to 4 inches, isolated 6 inches
- The Florida Keys: 15 to 20 inches, isolated 25 inches
- The southern Florida peninsula: 10 to 15 inches, isolated 20 inches
- The remainder of the Florida peninsula and southeast Georgia: 8 to 12 inches, isolated 16 inches
- The rest of Georgia, eastern Florida Panhandle, southern and western South Carolina, and western North Carolina: 3 to 6 inches, isolated 10 inches
- Eastern Alabama and southern Tennessee: 2 to 5 inches

#### Hurricane Jose

At 5:00 a.m. EDT, the center of Hurricane Jose was located about 200 miles east-northeast of the northern Leeward Islands and moving toward the northwest at near 16 mph and this general motion is expected to continue over the next 24 hours.



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #9 (Search and Rescue)**

- ESF #9 –USFWS: The department has been asked to have all available nationwide assets prepared for deployment.
- ESF #9 – National Park Service (NPS): The NPS is represented in the Federal Search and Rescue Group (FSARCG) as part of the FEMA Incident Support Team that is currently located in St. Augustine, Florida. The NPS is managing resource lists, primarily of boats and aircraft that could be incorporated into FEMA search and rescue efforts under ESF #9.

**ESF #13 (Public Safety and Security)**

- ESF #13 – USFWS: Twenty-five USFWS personnel comprise DOI QRT #2 and will report to Moody Air Force base today. Thirteen USFWS personnel comprise DOI QRT #6, and they are in a standby status at this time.

**DOI Bureau and Office Reporting:****National Park Service Hurricane Irma Update***Source: National Park Service – September 9, 2017*

The National Park Service (NPS) is continuing to monitor the progress of Hurricane Irma. NPS teams continue to conduct damage assessments and debris clearance from roads to access park areas in the U.S. Virgin Islands. The table below shows the status of NPS park units as of 8:00 a.m. EDT today:

Park	State/ Territory	Status
Christiansted National Historic Site/Buck Island Reef National Monument/Salt River Bay National Historical Park and Ecological Preserve	VI	Closed (Pending Reopening)
Virgin Islands National Park/Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed (Pending Reopening)
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed
South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Closed
Congaree National Parks	SC	Closed
Fort Sumter	SC	Closed
Moore's Creek National Battlefield	NC	Open
Reconstruction Era National Monument	SC	Open

- Dry Tortugas National Park – The park is closed, hurricane plan implemented, and all employees have been evacuated and accounted for.
- Biscayne National Park – The park is closed, hurricane plan implemented, and all employees have been evacuated and accounted for.
- Everglades National Park – The park is closed, hurricane plan implemented, and all employees have been evacuated and accounted for.
- Desoto National Park: - The park is closed and all employees are accounted for.
- Big Cypress National Preserve - The park is closed, hurricane plan implemented, and all employees have been evacuated and accounted for.
- San Juan National Historic Site: The park remains closed, and without commercial power. The main generator is not operational, so smaller generators are being utilized. The park is planning to reopen on September 11, pending on power availability.
- Virgin Islands National Park – As of today, all employees remain accounted for, the park remains closed, and no injuries reported. The park is still experiencing phone and electric issues. A team from Puerto Rico deployed on September 9. Power is restored to the Visitor Center (VC) and Headquarters office in St. John. The VC has become focal point for communications (sat phones) and they have become the call-center for island. Staff to serve as Safety and Operations Section Chief arrived September 9. The NPS is managing SAR cases with interagency coordination. Facilities team will be required eventually. Access too much of the island is still an issue; crews are beginning to clear and reconnaissance is occurring.

### Office of the Chief Information Officer Hurricane Irma Update

Source: Office of the Chief Information Officer (OCIO) – September 10, 2017

The OCIO reports that there are now 30 DOI sites down due to the hurricane.

Bureau	Location	State	Status	Notes
FWS	Frederiksted	PR	Down	Lan2Lan site down. Customer shut down in preparation of IRMA
FWS	Vieques	PR	Down	Lan2Lan. Customer to verify equipment/power.
FWS	Naples	FL	Down	Customer to verify equipment/power.
FWS	Big Pine Key	FL	Down	Lan2Lan site - Customer to verify equipment/power.
FWS	Big Pine Key	FL	Down	Lan2Lan. Customer to verify equipment/power.
FWS	Key Largo	FL	Down	Lan2Lan. Customer to verify equipment/power.
FWS	Fort Myers	FL	Down	Lan2Lan. Customer to verify equipment/power.
FWS	Tallahassee	FL	Down	Customer to verify equipment/power.
FWS	Tampa	FL	Down	Lan2Lan. Customer to verify equipment/power.
FWS	Culebra	PR	Down	VSAT. Customer to verify equipment/power.
FWS	BOQUERON	PR	Down	Pending Customer to verify equipment/power.
FWS	North Beach	FL	Down	Customer to verify equipment/power.
NPS	Ochopee	FL	Down	Customer reset their equipment.
NPS	Homestead	FL	Down	Customer to verify equipment/power.

NPS	Key West	FL	Down	VSAT. Pending customer contact to verify CPE after the storm.
NPS	New Smyrna Beach	FL	Down	IRMA - Pending customer contact to verify CPE.
NPS	St. Augustine	FL	Down	Site powered down ahead of storm.
NPS	Everglades	FL	Down	LAN Interface is down - Pending Customer to verify site LAN equipment.
NPS	Homestead	FL	Down	Customer to reset DSL modem
NPS	Key West	FL	Down	Lan2Lan. Pending customer contact to verify CPE after the storm.
NPS	St. Augustine	FL	Down	Site is powering down ahead of storm.
NPS	Tybee Island	GA	Down	Customer needs to check power and equipment, circuit test clean to SJ.
NPS	Old San Juan	PR	Down	Pending Cx verify equip (LAN interface is down - Gig0/0)
NPS	San Juan	PR	Down	Pending customer contact to verify CPE after the storm.
NPS	Old San Juan	PR	Down	Pending customer contact to verify CPE after the storm.
NPS	St. John	VI	Down	Pending customer contact to verify CPE after the storm.
NPS	San Juan	PR	Down	Pending customer contact to verify CPE after the storm.
NPS	Jacksonville	FL	Down	Pending customer contact to verify CPE after the storm.
NPS	St. John	VI	Down	Pending customer contact to verify CPE after the storm.
USGS	Cayey	PR	Down	Xconns Do Not Match

### U.S. Fish and Wildlife Service Hurricane Irma Update

*Source: U.S. Fish and Wildlife Service – September 9, 2017*

The U.S. Fish and Wildlife Service (USFWS) reports that they have 70 stations closed at this time. The Incident Management Team (IMT) has decided to mobilize four Heavy Equipment Task Forces in central Louisiana, southeastern Louisiana, northern Mississippi, and North Carolina. The task forces will be responsible for clearing roads and debris so the USFWS teams can gain access to USFWS stations. The Special Operations Response Team (SORT) will be establishing two teams. The intent is to move one team down the eastern coast of Florida and one down the western coast of Florida. The Loxahatchee National Wildlife Refuge (NWR) and the Ding Darling NWR have requested assistance from the SORT for support with post-storm damages. The USFWS is reporting the following Hurricane Irma impacts:

- Culebra NWR: All personnel are accounted for, and the refuge is still working on damage assessments. The whole island of Culebra is without power.
- Vieques NWR: All personnel are accounted for, and the refuge is continue to perform clean up and debris removal.
- Caribbean Ecological Services (ES): All personnel are accounted for, and initial damage assessments are being conducted.
- USFWS Office of Law Enforcement – Puerto Rico: All personnel are accounted for at this time.



The following is a list of USFWS station closure updates for Hurricane Irma:

USFWS Station Name	State	Closed
<b>Caribbean Islands NWR Complex</b>	<b>PR</b>	
Cabo Rojo NWR	PR	X
Culebra NWR	PR	X
Desecheo NWR	PR	X
Laguna Cartagena NWR	PR	X
Navassa NWR	PR	X
Vieques NWR	PR	X
Buck Island NWR	USVI	X
Green Cay NWR	USVI	X
Sandy Point NWR	USVI	X
<b>Caribbean (Boquerón) ES Field Office</b>	<b>PR</b>	X
<b>Puerto Rican Parrot Recovery Program (Rio Grande) ES Field Office</b>	<b>PR</b>	X
<b>Caribbean Landscape Conservation Cooperative</b>	<b>PR</b>	X
<b>Special Agent-Guaynabo, Puerto Rico</b>	<b>PR</b>	X
<b>Special Agent-San Juan, Puerto Rico</b>	<b>PR</b>	X
<b>A.R.M Loxahatchee NWR Complex</b>	<b>FL</b>	
A.R.M Loxahatchee NWR	FL	X
Hobe Sound NWR	FL	X
<b>Crystal River NWR Complex</b>	<b>FL</b>	
Crystal River NWR	FL	X
Chassahowitzka NWR	FL	X
Tampa Bay NWR	FL	X
Passage Key NWR	FL	X
Pinellas NWR	FL	X
Egmont Key NWR	FL	X
<b>Everglades Headwaters Complex</b>	<b>FL</b>	
Pelican Island NWR	FL	X
Lake Wales Ridge NWR	FL	X
Archie Carr NWR	FL	X
<b>Florida Keys NWR Complex</b>	<b>FL</b>	X
National Key Deer Refuge	FL	X
Key West NWR	FL	X
Crocodile Lake NWR	FL	X
Great White Heron NWR	FL	X
<b>J.N. "Ding" Darling NWR Complex</b>	<b>FL</b>	
J.N. "Ding" Darling NWR	FL	X
Pine Island NWR	FL	X
Island Bay NWR	FL	X

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Caloosahatchee NWR	FL	X
Matlacha NWR	FL	X
<b>Merritt Island NWR Complex</b>	<b>FL</b>	
Merritt Island NWR	FL	X
Lake Woodruff NWR	FL	X
St. Johns NWR	FL	X
<b>North Florida Refuge Complex</b>	<b>FL</b>	
Lower Suwannee NWR	FL	X
St. Marks NWR	FL	X
St. Vincent NWR	FL	X
Cedar Keys NWR	FL	X
<b>Southwest Florida Gulf Coast Complex</b>	<b>FL</b>	
Florida Panther NWR	FL	X
Ten Thousand Islands NWR	FL	X
<b>Peninsular Florida FWCO</b>	<b>FL</b>	X
<b>Welaka NFH</b>	<b>FL</b>	X
<b>Florida Caribbean MB Field Office</b>	<b>FL</b>	
<b>North Florida (Jacksonville) ES Field Office</b>	<b>FL</b>	X
<b>Panama City ES Field Office</b>	<b>FL</b>	
<b>South Florida (Vero Beach) ES Field Office</b>	<b>FL</b>	X
<b>University of Florida Ft Lauderdale Research</b>	<b>FL</b>	
<b>Groveland District OLE</b>	<b>FL</b>	
<b>Groveland RAC District Offices</b>	<b>FL</b>	X
Groveland		
Tampa	FL	X
Fort Meyers	FL	X
West Melbourne	FL	X
Jacksonville	FL	X
Tallahassee	FL	X
<b>Miami Field Office and Port Office</b>	<b>FL</b>	X
<b>Eufaula NWR</b>	<b>GA</b>	
<b>Wheeler NWR Complex</b>	<b>GA</b>	
Fern Cave NWR	GA	
Key Cave NWR	GA	
Sauta Cave NWR	GA	
<b>Mountain Leaf NWR</b>	<b>GA</b>	
Cahaba NWR	GA	
Watercress Darter NWR	GA	
<b>Okefenokee NWR Complex</b>	<b>GA</b>	
Okefenokee NWR	GA	X
Banks Lake NWR	GA	X
<b>Piedmont NWR Complex</b>	<b>GA</b>	

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Bond Swamp NWR	GA	
Mountain Bogs NWR	GA	
<b>Savannah Coastal NWR Complex</b>	GA	
Harris Neck NWR/Townsend, GA ES sub-field office	GA	X
Blackbeard Island NWR	GA	X
Wassaw NWR	GA	X
Wolf Island NWR	GA	X
Savannah NWR	SC	X
Pinckney Island NWR	SC	X
Tybee NWR	SC	X
<b>Georgia (Athens) Ecological Services Field Office</b>	GA	X
Fort Benning, GA ES sub-field office	GA	
<b>Chattahoochee Forest NFH</b>	GA	
<b>Warm Springs NFH</b>	GA	
<b>East Gulf Coastal Plain Joint Venture</b>	GA	
<b>Southeast Region Regional Office</b>	GA	
<b>Carolina Sandhills NWR</b>	SC	
<b>South Carolina Lowcountry Refuge Complex</b>	SC	
Cape Romain NWR	SC	X
EFH ACE Basin NWR	SC	X
Santee NWR	SC	X
Waccamaw NWR	SC	X
<b>South Carolina (Charleston) Ecological Services Field Office</b>	SC	
<b>Bears Bluff NFH</b>	SC	X

### **Bureau of Indian Affairs**

*Source: Bureau of Indian Affairs (BIA) – September 9, 2017*

BIA Emergency Management and FEMA continue to scope the Presidential Emergency Declaration for the Seminole Tribe of Florida. Tribal Assistance Coordination Group (TAC-G) calls are continuing daily.

### Miccouskee Tribe

The Tribe made a request to FEMA for US Army Corps of Engineers (USACE) support for dewatering pumps through the FEMA Region IV (R IV) Tribal Liaison (TL). Status of the request is unknown and the FEMA R IV TL is in route to the Florida State EOC in Tallahassee. A representative from USACE Jacksonville District was on the call, indicated they were in the receipt of the request, and will have leadership contact the tribe as soon as possible regarding the request. USACE indicated their resources are currently very thin with the response to Puerto Rico and USVI.

The tribe attempted to move another de-watering pump to the main reservation area however, the age of the piping for the pump would not have been operational if it was moved. The tribe will forward information on the number a location of special medical needs tribal members evacuated to hospitals off the reservation to the IHS Nashville area office

Seminole Tribe

The tribe has completed their emergency protective measures. The Tribe has 77 members in shelters and all three EOCs are at Level 1 (24/7) operations. There are no orders for evacuations of tribal members and have no unmet needs for health and medical.

IHS

The Nashville Area Office and Project TransAm reported that they have readied for shipment the equipment requested by the Miccosukee Tribe including cots, blankets, chain saw, generators and de-watering pumps.

**Other Government Agency Reporting:****FEMA NRCC Situational Awareness Unit**

*Source: Initial Impact Estimates Assessments for PR/VI from Wind Based GIS Modeling– September 10, 2017*

The FEMA NRCC initiated a GIS Modeling – based damage assessment of potential damage to structures from wind due to Hurricane Irma. A total of 1.3M structures in PR and 1.3M in USVI may have been exposed to storm force winds. The wind information was overlaid with structure information to indicate wind exposure. This is a count of structures in the wind ranges and does not take into account ability of structures to withstand high winds. Building footprint data were used for Puerto developed in 2010 and updated building footprints from 2013 for Carolina, Trujillo Alto, and San Juan Municipio. The building footprint data includes sheds and outbuildings. This is an initial estimate due to wind impacts and will be refined and validated based on available imagery.

**Sum Total of Structures Exposed to Storm Force Winds**

	< 75 mph	>76 - 110 mph	>111 - 156 mph	>157 - 184 mph
<b>Puerto Rico</b>	911,340	430,769	1,216*	-
<b>St. Thomas</b>	-	-	13,641	46
<b>St. John</b>	-	-	2	2,703
<b>St. Croix</b>	14,484	331	-	-

**Department of Homeland Security (DHS) Crisis Action Team (CAT)**

*Source: DHS CAT Activation Hurricane IRMA– September 10, 2017*

The Department of Homeland Security has activated the DHS Crisis Action Team (DHS CAT) in support of the National Operations Center (NOC) and the Secretary for Hurricane IRMA - Atlantic Ocean (Phase 2 NOC 0617-17) Response. The DHS CAT hours of operations are 24/7. The DHS CAR requests all supporting Department s and Agencies (D/A) ensure applicable correspondence and SITREPS are sent to the both DHSCAT@hq.dhs.gov and NOC.SWO@hq.dhs.gov. The DHS CAT will be preparing two DHS Component Actions Reports each day until otherwise directed, which will be published at 6:00 a.m. EDT and 6:00 p.m. EDT. The cutoff for SITREP information and Component Actions input from all DHS Components and designated offices is three hours prior to publishing times. The focus of the DHS Component Actions Report is status of personnel, critical infrastructure, and response actions.

**Department of Homeland Security***Source: Hurricane IRMA (Update 15) Straits of Florida – September 10, 2017*

There are four reported fatalities in the USVI and one in PR; media sources are reporting as many as twenty-three. US Department of State (DOS) Task Force is coordinating support for American citizens in need of assistance. DOS reports 567 American citizens evacuated from St. Martin to San Juan, PR from September 8 to September 9. One hospital is closed in PR and 25 are working on electric generators. The Schneider Regional Hospital in St. Thomas is closed and was evacuated. There are 341 thousand clients without potable water and an estimated 580K in PR in need of drinking water. The PR Aqueduct and Sewer Authority set up drinking water stations throughout the island to support this need. PR and St. Croix have operational cellular infrastructure on backup power with priority refueling over the next 48 hours. Repairs on communication networks have begun in St. Thomas and St. John. The Cyril E. King Airport on St. Thomas remains closed except for relief and military operations and will not open until at least September 12 due to repairs. Ports in USVI and PR open with restrictions; all St. Croix ports have opened except for one, all St. Thomas ports are closed except for one with restrictions.

Power outages are increasing in Florida; St. Thomas and St. John remain largely without power and restoration continues in Puerto Rico. The customers without power in Puerto Rico are at 544,000 and decreasing. On St. Croix, 6,905 customers are without power. Power outage numbers in Florida are increasing, there are currently 342,000 without power and that number will dramatically rise after Hurricane Irma makes landfall and moves northward through the state.

Evacuations have been ordered for portions of Florida, Georgia, and South Carolina. Thirty-four Florida hospitals are closed, 18 hospitals, and 204 healthcare facilities are evacuating. Thirty-two healthcare facilities and 13 hospitals in GA have evacuated. All major airports throughout FL are closed to commercial traffic however; five are open for emergency aircraft and military operations. Ports in Miami, Port Everglades, Palm Beach, Key West, Tampa, and Port Canaveral have closed. Panama City, Jacksonville, and Fort Meyers are closed to inbound commercial traffic unless authorized by USCG. Brunswick and Savannah, Georgia; Charleston, South Carolina; and Wilmington, North Carolina are open and conducting port preparations. Florida and South Carolina railroads shut down operations on September 9.

**Activations:**

- The FEMA National Response Coordination Center remains at Level I (24/7 operations).
- The FEMA Region II RRCC is at Level II (night shift)/ Level I (day shift).
- FEMA Region IV RRCC is at Level I (24/7).
- FEMA has 6 IMATs deployed to FL, SC, PR and St. Croix and have Liaison Officers at SEOCs in AL, FL, GA, NC, and SC.
- The AL, FL, GA, KY, NC, PR, SC, USVI, VA SEOC's have activated.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17j-17

**Subject:** Hurricane Irma

**Date:** September 10, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southern Florida

**Update:** Update #10

**DOI Mission Assignments as of September 10, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast

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ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL- 17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13 MA#3385E M-FL- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub- tasked under DOJ's MA; total MA is \$7,269,245	(27 personnel total) DOI IRMA QRT 2 (25 - FWS- OLE) BIA BUNKHO USE (2 - BIA support personnel)	<p>IDOI IRMA QRT 1: STANDBY</p> <p>DOI IRMA QRT 2: DEPLOYED 8 SEPT 25 - FWS-OLE This team received orders to report to Moody Air Force Base on Sunday, 10 September.</p> <p>DOI IRMA QRT 3: RECEIVED DEPLOYMENT ORDERS TODAY 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES</p> <p>DOI IRMA QRT 4: STANDBY 25 - BLM</p> <p>DOI IRMA QRT 5: RECEIVED DEPLOYMENT ORDERS TODAY 25 - BIA/TRIBAL</p> <p>DOI IRMA QRT 6: STANDBY FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1</p> <p>BIA BUNKHOUSE: DEPLOYED 8 SEPT 2 - BIA support personnel This team received orders to report to Moody Air Force Base on Sunday, 10 September</p>



**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 10, 2017*

As of 5:00 p.m. EDT, Hurricane Irma was located about 5 miles to the north of Naples, Florida and moving toward the north at 14 miles per hour (mph). A north-northwestward motion with an increase in forward speed is expected by tonight, with that motion continuing through Monday. On this forecast track, the eye of Irma should move near or over the western coast of the Florida peninsula through Monday morning. Irma should then move inland over northern Florida and southwestern Georgia on Monday afternoon.

Maximum sustained winds have decreased to 110 mph, with higher gusts. Irma is a category 2 hurricane on the Saffir-Simpson Hurricane Wind Scale. Although weakening is forecast, Irma is expected to remain a hurricane, at least through Monday morning. Hurricane-force winds extend outward up to 80 miles from the center and tropical-storm-force winds extend outward up to 220 miles.

A Hurricane Warning is in effect for the Florida Keys, Lake Okeechobee, Florida Bay and from Fernandina Beach in northeastern Florida southward around the Florida peninsula to Indian Pass in northwestern Florida. A Hurricane Watch is in effect for the area north of Fernandina Beach to Edisto Beach in South Carolina. A Storm Surge Warning is in effect for the South Santee River southward to Jupiter Inlet, from North Miami Beach southward around the Florida peninsula to the Ochlocknee River, the Florida Keys, and Tampa Bay. A Tropical Storm Warning is in effect for west of Indian Pass to the Okaloosa/Walton County line, and from north of Fernandina Beach to the South Santee River. Tornadoes remain possible through tonight, mainly across central and eastern portions of the Florida Peninsula and extreme southeastern Georgia.

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast in areas of onshore winds, where the surge will be accompanied by large and destructive waves.

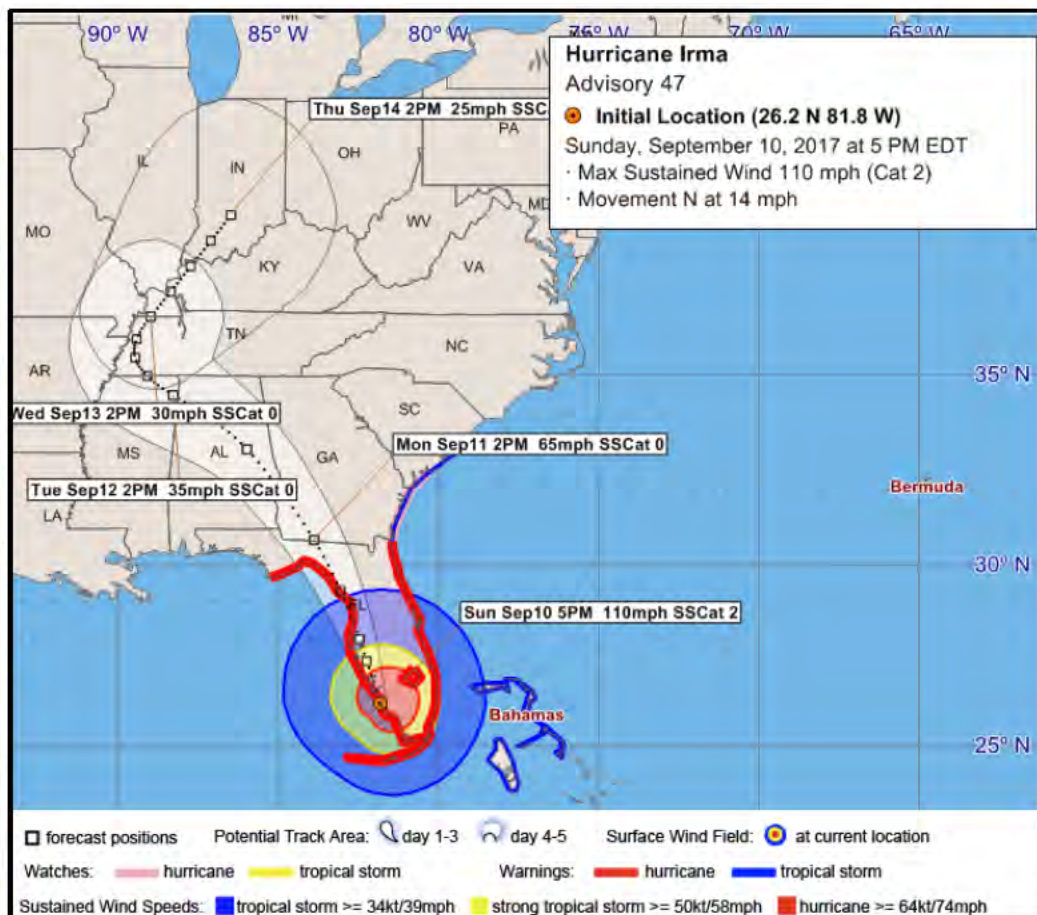
The water is expected to reach the following heights above ground if the peak surge occurs at high tide:

- Cape Sable to Captiva: 10 to 15 feet
- Captiva to Ana Maria Island: 6 to 10 feet
- Card Sound Bridge through Cape Sable, including the Florida Keys: 5 to 10 feet
- Ana Maria Island to Clearwater Beach, including Tampa Bay: 5 to 8 feet
- North Miami Beach to Card Sound Bridge, including Biscayne Bay: 3 to 5 feet
- South Santee River to Fernandina Beach: 4 to 6 feet
- Clearwater Beach to Ochlocknee River: 4 to 6 feet
- Fernandina Beach to Jupiter Inlet: 2 to 4 feet
- North of North Miami Beach to Jupiter Inlet: 1 to 2 feet

Hurricane Irma is expected to produce rainfall accumulations up to 25 inches through Wednesday. In all areas, this rainfall may cause life-threatening flash floods and mudslides. Irma is expected to produce the following rain accumulations through Wednesday:

- Florida Keys: 15 to 20 inches, isolated 25 inches
- Western Florida peninsula: 10 to 15 inches, isolated 20 inches
- Eastern Florida peninsula and southeastern Georgia: 8 to 12 inches, isolated 16 inches
- Remainder of Georgia and the eastern Florida Panhandle: 3 to 8 inches, isolated 12 inches
- Southern/ western South Carolina and western North Carolina: 3 to 8 inches, isolated 12 inches

- Southern Tennessee, northern Mississippi, and Alabama: 2 to 5 inches



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): In support of ESF #5, USGS personnel working under Mission Assignment (MA) GA-17083101-USGS-01 in Georgia are sheltering today, following deployment of 52 surge sensors and 10 rapid deployment gages (RDGs). USGS personnel working under MA-SC-17083101-USGS-01 in South Carolina are sheltering today, following deployment of 67 surge sensors and 10 RDGs.

**DOI Bureau and Office Reporting:**

**National Park Service Hurricane Irma Update**

*Source: National Park Service – September 10, 2017*

The National Park Service (NPS) is reporting that their southern Florida parks are evacuated at this time, and personnel are monitoring the progress of the storm. Hurricane force winds are impacting all of the parks. The NPS Eastern Incident Management Team is in Atlanta providing coordination and will provide initial support to the Everglades National Park and conduct additional assessments up the Florida coast. The NPS Emergency Incident Coordination Center (EICC) is expanding staffing through the week to support damage

assessments and resources in the NPS Southeast Region. The table below shows the status of NPS park units as of 8:00 a.m. EDT today:

Park	State/ Territory	Status
Christiansted National Historic Site/ Buck Island Reef National Monument/ Salt River Bay National Historical Park and Ecological Preserve	VI	Closed (Pending Opening)
Virgin Islands National Park/ Virgin Islands Coral Reef National Monument	VI	Closed
San Juan National Historic Site	PR	Closed (Pending Opening)
Big Cypress National Preserve	FL	Closed
Biscayne National Park	FL	Closed
Dry Tortugas National Park	FL	Closed
De Soto National Memorial	FL	Closed
Everglades National Park	FL	Closed
Canaveral National Seashore	FL	Closed
Castillo de San Marcos National Monument	FL	Closed
Fort Matanzas National Monument	FL	Closed
Timucuan Ecological & Historic Preserve	FL	Closed
South Florida Caribbean Network	FL	Closed
Cumberland Island National Seashore	GA	Closed
Fort Frederica National Monument	GA	Closed
Fort Pulaski National Monument	GA	Closed
Charles Pinckney National Historic Site	SC	Open
Congaree National Parks	SC	Closed
Fort Sumter	SC	Open
Reconstruction Era National Monument	SC	Open

- *Christiansted National Historic Site and Buck Island Reef National Monument:* The park remains closed and is still without power.
- *San Juan National Historic Site:* The park's main generator has been restored, and the government indicated that power would be restored later today. The park plans to open on September 11, depending on power.

#### Office of the Chief Information Officer Hurricane Irma Update

*Source: Office of the Chief Information Officer (OCIO) – September 10, 2017*

The OCIO reports that 30 DOI sites remain down due to Hurricane Irma. Some of the sites were shut down preemptively.

**United States Geological Survey Hurricane Irma Update**

Source: United States Geological Survey – September 10, 2017

All USGS employees are accounted for on Puerto Rico and St John in the U.S. Virgin Islands, and there have been no requests for assistance. USGS employees in Florida, Georgia, and South Carolina are sheltering or have evacuated per mandatory orders. All employees are accounted for, and the USGS has instituted daily check-ins with staff. There have been no requests for assistance. The USGS Caribbean-Florida Water Science Center (CFWSC) is reporting that 2 streamgages in Puerto Rico are damaged and inaccessible due to debris. Priority work is scheduled for Monday. The USGS National Geospatial Program has delivered special 1:250,000 scale maps for Puerto Rico, the U.S. Virgin Islands, and Florida through contract with the Defense Logistics Agency to various emergency management operations centers. There have been 1:24,000 scale maps delivered electronically to National Guard units deploying to Florida.

**U.S. Fish and Wildlife Service Hurricane Irma Update**

Source: U.S. Fish and Wildlife Service – September 10, 2017

The U.S. Fish and Wildlife Service (USFWS) reports that they have 73 stations closed at this time, with 43 stations being closed in Florida. All employees are currently accounted for and safe. The USFWS IMT is planning to divide into two teams and work down the eastern and western coast of Florida for assessments as conditions allow. The USFWS is reporting the following Hurricane Irma impacts:

- Culebra NWR: The refuge remains closed at this time. One employee has been transported to the mainland from Culebra due to the lack of power
- Caribbean Ecological Services (ES): The office remains closed, but enough access has been established where personnel could refill diesel tanks.

**Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 10, 2017

The Bureau of Indian Affairs (BIA) is continuing to work with FEMA and other partners on the Emergency Declaration for the Seminole Tribe of Florida. BIA is continuing to monitor Hurricane Irma and will provide additional updates as new information becomes available.

**Office of Environmental Policy and Compliance Hurricane Irma Update**

Source: Office of Environmental Policy and Compliance – September 10, 2017

Depending on the final track and impacts of Irma on Florida and the southeastern U.S., there is a potential that the DOI subject matter experts (SMEs), previously identified for Hurricane Harvey, might ultimately be needed to support the Hurricane Irma response. Natural and Cultural Resources Recovery Support Function (NCR RSF) is positioning to deploy a rehired annuitant for a Field Coordinator position in Florida. The time frame for his deployment is unknown, but will likely occur in the next 2-3 weeks. The time frame for activation and deployment of the NCR RSF Field Coordinator for Puerto Rico/U.S. Virgin Islands is unknown, but anticipated to be further out due to the logistical impacts from Irma. There may also be a need for a Regional Lead for DOI/NCR RSF for Florida, and OEPC is in discussion with the appropriate bureaus to identify a person for this position.

**Other Government Agency Reporting:****Federal Emergency Management Agency Irma Update**

*Source: Federal Emergency Management Agency– September 10, 2017*

Preliminary reports indicate major road damage on the coastal roads in St. John, with further information pending the reopening of ferry service from St. Thomas. On St. Thomas, road damage has been difficult to fully assess due to debris and downed power lines. The U.S. Virgin Island Power Authority is working to remove and reestablish power infrastructure. Road damage in St. Croix was minimal, and all major roadways in Puerto Rico are open.

Approximately 63-percent of the customers in Puerto Rico have power, and St. Croix's power has been restored to about 75-percent. On the U.S. Virgin Islands, over 300,000 customers remained without potable water as of yesterday, and an estimated 580,000 people are in need of drinking water in Puerto Rico. The Puerto Rico Aqueduct and Sewer Authority has set up drinking water stations throughout the island to support this need. Gas for automobiles/generators is available on St. Thomas, but is not yet being distributed due to road damage. The ports in Guayama, Puerto Rico, Christiansted, St. Croix, and Cruz Bay, St. John are open with restrictions. The ports in Culebra, Puerto Rico and West Greggerie Channel, St. Thomas were closed as of this morning. As of September 6, St. Croix has a 13-day supply for diesel and a 15-day supply for petroleum gas. St. Thomas has an 18-day supply for diesel and a 20-day supply for petroleum gas. As of yesterday on the U.S. Virgin Islands, public transit is not in operational due to the lack of power. In Puerto Rico, services are slowly returning.

In Florida, mandatory evacuations are in effect for 30 counties, with voluntary or partial evacuations in place for an additional 16 counties. As of this morning, there were 460 shelters open in Florida with 127,000 occupants. Thirty-four hospitals are closed, and over 200 health care facilities have been evacuated. Department of Energy reports indicate that over 1.8 million customers are without power, and the numbers are continuing to increase. Numerous airports in Florida are closed, and all of the ports are closed, except for Egmont Key, which is open with restrictions. The Emergency Operations Center (EOC) at the Seminole Tribe of Florida is at Full Activation, and five shelters are open with 77 occupants.

In Georgia, a State of Emergency has been declared for 94 counties, and mandatory evacuations are in effect for six counties east of I-95. Thirty-two medical facilities have been evacuated, and 34 shelters are open with 4,413 occupants. In South Carolina, an evacuation order is in effect for the barrier islands, and 140 healthcare facilities in the coastal counties are evacuating. There are 3 shelters open in South Carolina with 245 occupants.

**Activations:**

- The FEMA National Response Coordination Center remains at Level I (24/7 operations).
- The FEMA Region II RRCC is at Level II (night shift)/ Level I (day shift).
- FEMA Region IV RRCC is at Level I (24/7 operations).
- The Florida, Georgia, South Carolina, Alabama, North Carolina, Puerto Rico, and the U.S. Virgin Islands Emergency Operations Centers EOCs are at Full Activation. The Virginia EOC is in a monitoring status.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
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IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17k-17

**Subject:** Tropical Storm Irma

**Date:** September 11, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southern Florida

**Update:** Update #11

**DOI Mission Assignments as of September 11, 2017:**

There are currently a total of 207 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	4 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast

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ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL- 17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13 MA#3385E M-FL- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	(140 personnel + 2 personnel w BIA bunkhouse)  DOI IRMA QRT 1: DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS Refuge  DOI IRMA QRT 2: DEPLOYED 8 SEPT 25 - FWS-OLE This team received orders to report to Moody Air Force Base (AFB) on Sunday, 10 September. * 2 Checking in to Moody AFB  DOI IRMA QRT 3: RECEIVED DEPLOYMENT ORDERS TODAY 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES  DOI IRMA QRT 4: STANDBY 25 - BLM  DOI IRMA QRT 5: RECEIVED DEPLOYMENT ORDERS TODAY 25 - BIA/TRIBAL  DOI IRMA QRT 6: STANDBY 13- FWS Refuge 5 - BLM 4 - NPS 2 - OIG	DOI IRMA QRT 2 checking in at Moody today.  DOI IRMA QRTs 1, 3-6 enroute to Moody  DOI IRMA QRT 7: STANDBY



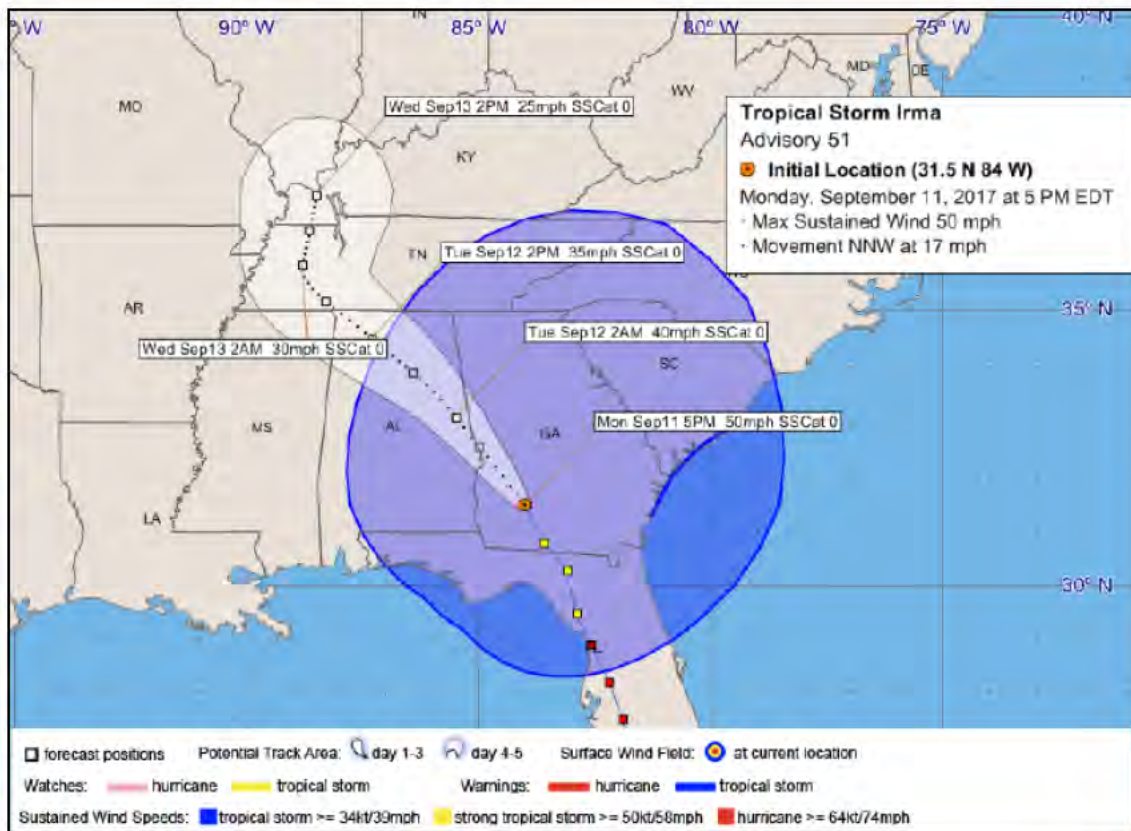
1 - OLES

BIA BUNKHOUSE:  
 DEPLOYED 8 SEPT  
 2 - BIA support personnel  
 This team received orders to  
 report to Moody Air Force  
 Base on Sunday, 10  
 September

**General Situation:**

*Source: National Weather Service/National Hurricane Center – September 11, 2017*

At 5:00 p.m. EDT, the center of Tropical Storm Irma was about 10 miles east of Albany, Georgia and moving northwest near 17 miles per hour (mph), with maximum sustained winds near 50 mph. On the forecast track, the center of Irma will continue to move over southwestern Georgia tonight and move into Alabama through Tuesday. Irma is forecast to continue to weaken, and is likely to become a tropical depression on Tuesday. Tropical-storm-force winds extend outward up to 415 miles from the center. A Tropical Storm Warning is in effect north of Altamaha Sound to the South Santee River.



HURREVAC Image

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): In support of ESF #5, there are 6 USGS personnel working under Mission Assignment (MA) PR-17090102-USGS-01 in Puerto Rico, are in the field today to retrieve sensors and flag additional validating high water marks (HWMs). Under

MA 3385EM-FL-USGS-01, personnel are primarily sheltering today with some personnel performing impact assessments to facilities and equipment.

### **ESF #13 (Public Safety)**

- *ESF #13 - Office of Law Enforcement and Security (OLES):* In support of ESF #13, Public Safety and Security, a Mission Assignment was approved for 100-130 officers to support the Seminole Tribe of Florida on a Direct Federal Assistance (DFA) mission. This will be staffed by DOI to the fullest extent possible. DOI IRMA QRT 2 is checking in at Moody Air Force Base today. DOI IRMA QRTs 1, 3-6 are en route to Moody today, having received deployment orders on September 10."

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Irma Update**

*Source: National Park Service (NPS) – September 10, 2017*

The NPS will continue to check the status of employees who evacuated out of Florida for this storm. Assessments will begin when it is safe to do so. The Federal Executive Board advises that federal offices in Metro Atlanta are closed today. This affects both the NPS Southeast Regional Office as well as the Southern Area Coordination Center (SACC).

The Eastern Incident Management Team (IMT) had its first full day of activity on September 10. Working from the SACC, the team's focus is organizing for the work ahead, including ordering of overhead that will conduct damage assessments, coordinate debris removal from, and provide access to park areas when the team moves south later this week. The team plans to send an insertion team down to affected parks in south Florida as early as September 12 to provide early assessments of damage. The team will also scout routes of travel and possible staging areas for the remainder of the team that will tentatively follow on September 15. As operations begin in earnest later this week, seven operational branches will coordinate, staging at the Caribbean parks and the hardest hit South Florida parks. On September 11 the team will work from a nearby hotel, due to the closure of SACC and other Atlanta area government facilities as the remnants of Irma pass through Atlanta.

The status of NPS Park units as of 4:00 p.m. EDT September 11 is as follow: There are 31 parks closed, six parks open, and two Visitor Centers closed in the affected region.

#### **Bureau of Reclamation -Irma Update**

*Source: Bureau of Reclamation (USBR) – September 11, 2017*

Reclamation has completed an employee accountability assessment this morning. All domiciled employees within the Hurricane Irma impacted area are safe and accounted for. Employees reported no significant damage to homes and continue sheltering in place. In addition, two employees are on personal travel to the impacted area and are safe and accounted for.

Reclamation continues pre-rostering employees for forthcoming ESF #3, Public Works and Engineering, deployments. Based upon calls conducted last week with the U.S. Army Corps of Engineers, it is unlikely Reclamation alone will be able to staff all requests. Next week, Reclamation anticipates initiating outreach to bureaus and offices that have historically supported ESF #3 mission assignments.

**Office of Emergency Management**

Source: Office of Emergency Management (OEM) – September 11, 2017

The Department of Homeland Security's (DHS) Acting Secretary wrote to Secretary Zinke requesting the Department of Interior (DOI) to support the DHS surge capacity force. DHS looking for at least 30 DOI employees to deploy as a part of the surge force. This would be a 45 day deployment based out of Alabama. Additional information is forthcoming.

**Office of the Chief Information Officer - Irma Update**

Source: Office of the Chief Information Officer (OCIO) – September 11, 2017

All employees have been accounted for, but not everyone has reported in today. The OCIO reports 57 sites currently without network services in the path of Hurricane Irma. Two Caribbean sites were closed over the weekend. ESN has instituted enhanced reporting to include information needed for service restoration and power restoration is the primary concern.

**United States Geological Survey - Irma Update**

Source: United States Geological Survey – September 11, 2017

All USGS employees are accounted for on Puerto Rico and St. John in the U.S. Virgin Islands, and there have been no requests for assistance. Accountability of personnel and office status in Florida:

- Caribbean-Florida Water Science Center (CFWSC) – 80-percent of the staff is accounted for. There are limited reports of damage, and no requests for assistance. All offices in Florida and Puerto Rico are closed through Tuesday while building assessments are performed.
  - The Puerto Rico office continues to run on generator power and is closed to the public. Eight personnel are in the field in Puerto Rico today making discharge measurements, repairing gages, and flagging for additional measurements. Two streamgages are damaged and three streamgages have been repaired.
  - The Florida office has personnel remaining sheltered or is performing impact assessments of facilities and equipment. At least 31 streamgages and 10 groundwater stations are not reporting. Numerous gages are reporting flows above current rating curves or above peak of record and will be the priority for discharge measurements as weather conditions allow.
- Coastal Marine and Science Center (CMSC) – 90-percent of the staff is accounted for. One staff member is reporting a tree on their home. There are no requests for assistance. St. Petersburg, FL office is closed through Tuesday.
- Wetlands and Aquatic Research Center (WARC) - All but one staff member is accounted for. There are limited reports of damage and no requests for assistance. Dave and Gainesville, FL offices are closed through Tuesday and St. John, USVI, office is closed.
- South Atlantic Water Science Center (SAWSC) - Offices in Norcross, Savannah, Tifton GA, and Columbia and Charleston, SC, are closed today in alignment with Federal and State actions. All employees are accounted for. Three personnel are in the field today taking water quality samples at Fort Gordon.

- *Lower Mississippi-Gulf Water Science Center (LMGWSC)* - Office in Montgomery, AL, is closed today in alignment with State actions. All employees are accounted for.
- Communications and power outages are slowing returning to full capacity.

The USGS National Geospatial Program delivered 1,300 maps to the Florida Department of Emergency Management for use in SAR operations. Additional maps have been ordered up and should be delivered on Tuesday

### **U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service – September 11, 2017

FWS stations and employee residences are getting insight into the damages to stations and residences. A number of stations have sustained damages. The main concern is employee accountability and safety. They do not have 100-percent employee accountability due to power outages and due to communication issues.

### **Refuge and Complex Assessments:**

- Caribbean
  - No new information regarding PR and USVI than what was submitted this morning.
- CONUS
  - *Florida Keys NWR Complex* - All employees have been evacuated and damage looks pretty severe from video footage. Assessment cannot be completed until the roads are reopened.
  - *Southwest FL Complex* - Two employees have not checked in; could be a communications issue.
  - *Ding Darling NWR* - All personnel are accounted for and the roads are clear and passable. The Special Operations Response Team (SORT) should be there soon to make initial assessments.
  - *Panther NWR* - All employees except for one has been accounted for (could be a communications issue), officer is going to check on the individual; one vehicle has been damaged because of a tree falling on it.
  - *Miami OLE* - All employees accounted for; roads are closed with downed trees and powerlines; the office will remain closed until further notice;
  - *Loxahatchee NWR and Hobe Sound NWR* - All employees are safe and accounted for. The SORT team has checked out Hobe Sound and there seems to be minimal/ minor damage.
  - *Crystal River NWR* - All employees but one person has been accounted for and office is has no damage, but there is still a possibility of a storm surge.
  - *Lower Suwannee NWR* – The Refuge Headquarters building is fine. All employees are accounted for. There is some minor damage to employee’s homes. The Incident Management Team will be arriving there soon. Damage assessments will be done today and tomorrow.

- *Merritt Island NWR*--All employees are accounted for and there are minor storm damages.
- *Everglades Headwaters Complex--Pelican NWR and Archie Carr NWR*- These refuges are not accessible right now. All employees are accounted for. The SORT just checked on pelican and Archie Carr.
- *Vero Beach Ecological Services (ES) Office* – Currently there is still bad weather there. 95% of the employees have been accounted for. There is no power at the office and assessment will be done early this afternoon or today. The SORT team is in Vero Beach area now.
- *Welaka Fish Hatchery* - The power is out, trees are down, and there is still active weather. Currently, there is no structural damage and the SORT is on its way.

### **Bureau of Indian Affairs**

Source: Bureau of Indian Affairs (BIA) – September 11, 2017

#### ***Seminole Tribe of Florida:***

The Tribe is operating six shelters across seven reservations in Florida. The three shelters are running on generator power and the populations average approximately 85 members. Hollywood Reservation reports debris, trees down, fences and power lines down. A boil-water notice issued due to water main break (fed by Hollywood Municipal water department). The Tribe requested BIA Law Enforcement support through Federal Emergency Management Agency (FEMA) and BIA is coordinating with Department of Interior's Office of Law Enforcement and Security. Coordination is being done between Glades, Hendry and Broward County Sheriff Department and Headquarters' attorney to create MOU for cross deputation agreements.

Major issues reported by the Tribe:

- Potential Critical Issue - Immokalee & Big Cypress shelters leaking.
- Public safety buildings at Hollywood, Big Cypress, and Brighton have roof damage beyond repair.
- No utility power currently using generator for power.
- No cell phone service.
- Landline capacities limited.
- Requesting assistance from Sprint for emergency responder communications after storm.

#### ***Miccosukee Tribe of Indians:***

The Tribe has one shelter open with 20 inhabitants across four separate reservations in Florida. The Indian Health Service readied cots, blankets, chain saw, generators, and de-watering pumps for shipment. A request was made through FEMA for dewatering pumps in main reservation area, and special medical needs tribal members were evacuated to hospitals off-reservation.

Major issues reported by the Tribe:

- No cell phone service.
- No utility power currently using generator for power.
- Flooding, downed trees, canal levels cresting, severe wind gusts

#### ***Poarch band of Creek Indians (Alabama):***

- Monitoring progress of storm

**Mississippi Band of Choctaw (Mississippi):**

- Monitoring progress of storm

**Catawba Indian Nation (South Carolina):**

- Monitoring progress of storm

**Eastern Band of Cherokee (North Carolina):**

- Monitoring progress of storm

**Office of Environmental Policy and Compliance - Irma Update**

Source: Office of Environmental Policy and Compliance (OEPC) – September 11, 2017

Natural Cultural Resources Recovery Support Function Recovery Coordinator reported to the Austin Joint Field Office (JFO) today. ESF #11 has demobilized from the Austin JFO but continues to support state and local needs remotely. ESF #11 continues to work with its non-governmental organization (NGO) partners, especially the Heritage Emergency National Task Force and the Foundation of the American Institute for Conservation of Historic and Artistic Works (FAIC) in regards to natural and cultural resource response efforts. The FAIC through its National Heritage Responders program is deploying conservators to assist local agencies with their collection needs. OPEC anticipates deploying SMEs to FL in 1-2 weeks pending mission assignments for the Natural and Cultural Resources Recovery Support Function.

**Bureau of Land Management**

Source: Office of Bureau of Land Management (BLM) – September 11, 2017

**Jupiter Inlet Lighthouse:**

The one BLM employee at the lighthouse is accounted for and was able to do an initial damage assessment at the facility this morning. There is no power at the facility and the restoration time is estimated to be 48 hours. There does not appear to be any critical damage or signs of water intrusion in the buildings with the exception of some water damage in one garage. The electrical system at the facility cannot be assessed until the power is restored. A few of the roofs appear to have some minor damage from roof tiles being blown off. The Gazebo was totally destroyed and there was serious damage to the dock (major safety concern). There are large amounts of downed and damaged vegetation with a dozen or so trees uprooted. Both trails at the site are blocked by downed trees and limbs. There are also many broken branches lodged high up in the trees around the publically visited areas which will pose a safety risk until resolved. There was considerable damage to shoreline with an estimate of three to six feet of erosion. A preliminary estimate of two to three weeks will be required to clean up the damage and a contract will be needed to remove the branches lodged in trees. Funding will also be needed to repair the dock. With the trails blocked, the local staff recommends that the Jupiter Inlet Lighthouse area remain closed until the trails have been made safe to walk, possibly the end of this week.

**Office of Aviation Services**

Source: Office of Aviation Services (OAS) – September 11, 2017

There is a potential impact to OAS Eastern Regional Office located in Atlanta, GA. Contain will be maintained with the Eastern Regional Director and will ask to receive daily updates. All personnel have been accounted for.

**Office of Insular Affairs**

Source: Office of Insular Affairs (OIA) – September 11, 2017

The OIA office received phone calls for updates on missing persons throughout the weekend and redirected to them Red Cross. OIA is establishing connections to members of Congress and FEMA. Currently, working with the Governor to apply for assistance to get the government facilities back up and running after life safety and SAR activities are completed. OIA is also working with the Treasury, Health and Human Services, Department of Labor, Department of State, Department of Homeland Security and Federal Emergency Management Agency.

**Office of Natural Resources Revenue**

Source: Office of Natural Resources Revenue – September 11, 2017

The Office of Natural Resources Revenue has two employees that have been accounted for. One is in Miami and one in North Carolina. The employee from Miami is not able to return to Miami as of today and the employee North Carolina reported no major damage.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-171-17

**Subject:** Post-Tropical Cyclone Irma

**Date:** September 12, 2017

**Time:** 6:00 p.m. EDT

**Location:** Southern Florida

**Update:** Update #12

**DOI Mission Assignments as of September 12, 2017:**

There are currently a total of 209 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

Mission Assignment (MA)	DOI Bureau or Office Involved	Description of Support	Funding Amount	Number of DOI personnel	Location of Personnel
ESF #5 PR-17090102-USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$200,000	6 personnel	Puerto Rico
ESF #5 9/7/2017 GA-17083101-USGS-01	United States Geological Survey (USGS)	Georgia - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$135,000	12 personnel	Georgia coast
ESF #5 9/7/2017 SC-17083101-USGS-01	United States Geological Survey (USGS)	South Carolina - Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event	\$170,000	15 personnel	SC coast



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ESF #5 FL 3385EM-FL- USGS-01	United States Geological Survey (USGS)	To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma	\$482,500	24 personnel	Florida coast
ESF #5 9/5/2017 FL- 17083101- DOI-02	Office of Emergency Management (OEM)	Support SILC position activation at the National Response Coordination Center (NRCC).	\$15,000	(8 total personnel) One 24/7 position supported by 8 DOI personnel	FEMA HQ
ESF #9 9/05/2017 PR- 17090102- NPS-01	National Park Service (NPS)	To support NPS ESF-9 Federal Search and Rescue Coordination Group activation (FSARCG). NPS has provided an available resource list.	\$10,000	1 person	St. Augustine, FL
ESF #11 9/5/2017 PR- 17090102- DOI-01	Office of Environmental Policy and Compliance (OEPC)	Support ESF #11 position activation at the NRCC.	\$10,000	1 OEPC person	FEMA HQ
ESF- #13 MA#3385E M-FL- USDJ-01	Office of Law Enforcement and Security	Provide Law Enforcement Support for ESF-8 and ESF-9	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	(140 personnel + 2 personnel w BIA bunkhouse)  DOI IRMA QRT 1: DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS Refuge  DOI IRMA QRT 2: DEPLOYED 8 SEPT 25 - FWS-OLE  DOI IRMA QRT 3: RECEIVED DEPLOYMENT ORDERS TODAY 13 - USPP 8 - NPS (MWR SET) 2 - OIG 2 - OLES  DOI IRMA QRT 4: STANDBY 25 - BLM  DOI IRMA QRT 5: RECEIVED DEPLOYMENT ORDERS TODAY 25 - BIA/TRIBAL  DOI IRMA QRT 6: STANDBY 13- FWS Refuge 5 - BLM 4 - NPS 2 - OIG 1 - OLES  BIA BUNKHOUSE: DEPLOYED 8 SEPT 2 - BIA support personnel	DOI IRMA QRT 2 checking in at Moody today.  DOI IRMA QRTs 1, 3-6 enroute to Moody  DOI IRMA QRT 7: STANDBY

**General Situation:**

Source: National Weather Service/National Hurricane Center – September 12, 2017

At 1:00 p.m. EDT, Post-Tropical Cyclone Irma dissipated over the mid-Mississippi Valley. The remaining low is still bringing heavy rain to parts of the lower Mississippi and Tennessee valleys and the southern mid-Atlantic. Flood and coastal warnings are still in effect across portions of Florida and the mid-Atlantic.

**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): USGS personnel working under Mission Assignment (MA) PR-17090102-USGS-01(Puerto Rico), retrieved all of the deployed surge sensors on September 11. Data download and analysis began today. Under MA 3385EM-FL-USGS-01 (Florida), personnel are planning to retrieve surge sensors on September 13. Under MA GA-17083101-USGS-01 (Georgia), 10 personnel are retrieving surge sensors today. Under MA SC-17083101-USGS-01 (South Carolina), Personnel are planning to retrieve surge sensors on September 13.

**ESF #13 (Public Safety and Security)**

- ESF #13 - Office of Law Enforcement and Security (OLES): In support of ESF #13, Public Safety and Security, DOI IRMA QRTs 1, 3-6 are en route to Moody Air Force Base today, having received deployment orders on September 10. In reference to the approved Mission Assignment for 100-130 officers to support the Seminole Tribe of Florida on a Direct Federal Assistance (DFA) mission, the Seminole Tribe has asked DOI Irma QRT 5 (Tribal BIA officers) be the first team to respond. Two BIA radio technicians have been added to the resource order for the BIA bunkhouse.

**DOI Bureau and Office Reporting:****National Park Service - Irma Update**

Source: National Park Service (NPS) – September 12, 2017

The status of NPS Park units as of 8:00 a.m. EDT September 12 is as follow: There are 29 parks closed, four parks open, they include: San Juan National Historic Site in Puerto Rico, Gulf Islands National Seashore in Florida, Little River Canyon National Preserve in Alabama, and Horseshoe Bend National Military Park in Alabama. Additionally, three facilities or campgrounds are closed and two Visitor Centers closed in the affected region.

The Federal Law Enforcement Training Center is closed and all employees are accounted for. The leased dorms at the facility had flooded 3 feet deep and at least one other building has flooded. Power is via a generator and the water cannot yet be used. Glynn County is currently assessing and re-entry is not yet permitted.

**United States Geological Survey - Irma Update**

Source: United States Geological Survey – September 12, 2017

All USGS employees are accounted for on Puerto Rico and St. John in the U.S. Virgin Islands, and there have been no requests for assistance. Accountability of personnel and office status in Florida is limited by communication and power outages:

Caribbean-Florida Water Science Center (CFWSC) – All employees accounted for, 4 employees have reported damage to homes, no requests for assistance at this time. All offices in Florida and Puerto Rico are closed through today while building assessments continue. The Puerto Rico office continues to run on generator power.

- *Coastal Marine and Science Center (CMSC)* – 89 of 104 employees accounted for, no reports of damage to homes, no requests for assistance
- *Wetlands and Aquatic Research Center (WARC)* – Office remains closed. All employees accounted for, no reports of damage to homes, no requests for assistance. The WARC Gainesville office has a wash-out on the access road. City and University of Florida officials are assessing the viability of the road to support vehicles.
- *USGS Lower Mississippi-Gulf Water Science Center (LMGWSC)* - All offices are open and all employees are accounted for.
- *USGS South Atlantic Water Science Center (SAWSC)* - Offices in Norcross, Savannah, and Tifton GA, and Charleston and Clemson, SC, are closed today in alignment with Federal and State actions and all employees are accounted for.

USGS Response activity under own Authority:

- *Activities of the CFWSC:*
  - Puerto Rico:  
Four personnel are in the field in Puerto Rico today making discharge measurements, repairing gages, and flagging for additional measurements. One streamgage was damaged and currently inaccessible, four streamgages have been repaired.
  - Florida:  
Thirty-five personnel are in the field today assessing damage to streamgages, repairing streamgages, and making discharge measurements. Thirty-six streamgages and 10 groundwater stations are not reporting due to communication loss, damaged equipment, or inundation, 16 gages have been prioritized for repair today. Forty-two new peaks of record have been set at streamgaging locations with another 30 locations reporting the second highest peak on record.
- *Activities of the SAWSC:*  
Six personnel are in the field today making discharge measurements, repairing gages, and flagging for additional measurements.

The USGS National Geospatial Program has delivered over 9,000 maps in support of SAR operations and disaster response and recovery planning.

**U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service (FWS) – September 12, 2017

A total of 58 FWS Stations are closed across the response area due to Irma.

- *Caribbean FWS Stations* - All FWS stations in the Caribbean are closed.
- *Florida Keys FWS Stations* - These areas are still not accessible for damage assessment and significant damages are expected.
- *Southern Florida FWS Stations* - Many stations are without power, but no major damages have been reported to date. Assessments are still ongoing. A few birds in holding at the Miami OLE office have perished. Personnel are reporting that access to fuel has become a problem.
- *Mid-Florida FWS Stations* - Many stations are without power. Downed trees are hampering assessments. Personnel are with limited drinking water, but supplies are enroute.
- *Northern Florida FWS Stations* - No internet or air conditioning.

**Office of Environmental Policy and Compliance - Irma Update**

Source: Office of Environmental Policy and Compliance (OEPC) – September 12, 2017

OEPC is assembling a preliminary list of responders from the bureaus that have the expertise and availability to support FEMA's OEHP request for natural and cultural resource SMEs. This list will be used to populate a staffing list for the FEMA Office of Environmental Planning and Historic Preservation's use and determine the level of support capabilities across the federal agencies. OEPC will communicate with OEM and other DOI bureaus to ensure the multiple asks for staff and resources coming from DHS are coordinated across the Department.

We are beginning to coordinate with the Department of the Interior's Office of Emergency Management and other DOI bureaus/offices to discuss invasive species concerns related to Hurricane Harvey and Irma. Early concerns focus on boat decontamination and the ability of State Environmental Agencies to deal with invasive species issues and determining if additional assistance may be needed.

Natural and Cultural Resources Recovery Support Function (NCR RSF) is looking to identify potential Field Coordinators who could be deployed to Puerto Rico and the U.S. Virgin Islands. OEPC has had preliminary conversations with FWS, NPS, and the Office of Insular Affairs regarding the potential to support this role as they have expertise in those areas. If other bureaus have personnel with experience working with Puerto Rico or the U.S. Virgin Islands, natural and cultural resources experience, and may be interested in this position, they are encouraged to reach out to OEPC for more information on the roles and responsibilities of the position.

**Office of Aviation Services**

Source: Office of Aviation Services (OAS) – September 12, 2017

There was minimal impact to OAS Eastern Regional Office located in Atlanta, GA. All personnel have been accounted for in Florida and Georgia.

**Office of Insular Affairs**

*Source: Office of Insular Affairs (OIA) – September 12, 2017*

The OIA office received phone calls from the Department of State about U.S. citizens in the U.S. Virgin Islands (USVI) calling in for assistance and FEMA, Red Cross and USVI local information are being provided. OIA confirmed to State that their actions and information provided are accurate and provided OIA's website.

The U.S. Army Corps of Engineers (USCOE) has communicated their availability to assist with damage assessments of schools within USVI. OIA has instructed USCOE along with USVI Department of Education to communicate USCOE's available assistance to the appropriate Federal Emergency Management Agency official in the USVI who is coordinating disaster response/recovery efforts. OIA will stay in contact to help make sure the proper communication takes place.

**Office of Communications**

*Source: Public Affairs News Release – September 12, 2017*

The Office of Communications has provided a news release outlining the department's expedited support and assistance to the U.S Virgin Islands and FEMA in the wake of Hurricane Irma. The complete news release can be found here [Interior Support to USVI](#) or by going to the DOI.gov homepage.

**Office of the Chief Information Officer - Irma Update**

*Source: Office of the Chief Information Officer (OCIO) – September 12, 2017*

All employees have been accounted for, but not everyone has reported in today. The OCIO reports 51 sites currently without network services in the path of Hurricane Irma. Over the past 24 hours, approximately 16 new sites were affected by storms and are offline. At the same time at least 7 sites were restored and are coming back into service. A number of sites have "degraded service" due to fluctuations in power and local service. This is a very fluid situation. We will continue providing updates as conditions develop.

**Future Actions:**

The Interior Operations Center will continue to monitor Hurricane Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17m-17

**Subject:** Irma Response and Recovery

**Date:** September 16, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern United States, U.S. Virgin Islands, Puerto Rico

**Update:** Update #13

**DOI Mission Assignments as of September 16, 2017:**

There are currently a total of 193 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	USGS	Georgia Coast	\$135,000	10	GA-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.					
5	USGS	SC Coast	\$170,000	2	9/7/2017 SC-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event					
5	USGS	Florida Coast	\$482,500	26	3385EM-FL-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					

5	OEM	FEMA HQ	\$15,000	2	9/5/2017
					4337DR-FL-DOI-01

**Description:** Support SILC position activation at the National Response Coordination Center (NRCC).

5	BIA	FL	\$15,000	1	9/13/2017
					MA: 3388EM-FL-DOI-01

**Description:** BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017

**Personnel Description:** One BIA EM person supporting remotely prior to JFO establishment.

8	NPS	FL	N/A	3	N/A
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**Description:** Support patient movement, well water sampling, and HHS Operations Center.

11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					PR-17090102-DOI-01

**Description:** Support ESF #11 position activation at the NRCC.

13	Office of Law Enforcement & Security	Seminole Tribe	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
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**Description:** Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.

**Location Description:** DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.

**Personnel Description:**

DOI IRMA QRT 2 : DEPLOYED 8 SEPTEMBER  
25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel  
2 - BIA radio techs

13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	65	MA#3385EM-FL-USDJ-01
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**Description:** Provide Law Enforcement Support for ESF-8 and ESF-9.

**Location Description:** DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ESF13 staging.

**Personnel Description:**

DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER

9 - NPS

6 - FWS Refuge

DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER

25 - BLM

DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER

FWS Refuge - 13

BLM - 5

NPS - 4

OIG - 2

OLEs - 1

Non ESF	DOI Wide	Various	\$700,000	3	9/12/2017
					MA: 4377DR-FL-DOI-03

**Description:** US Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team

**Personnel Description:** Three person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements.

**General Situation:**

*Source: National Weather Service – September 16, 2017*

The Interior Operations Center continues to monitor Irma response and recovery efforts. Flood Warnings remain in effect for portions of Florida, Georgia, and South Carolina. The National Weather Service (NWS) notes many of these warnings will remain in effect until further notice. While record flooding is not anticipated, portions of several rivers in Florida will continue to experience major flooding into next week.

**DOI Emergency Support Function (ESF) Support:**

**ESF #5 (Information and Planning)**

- *ESF #5 – United States Geological Survey (USGS):* USGS personnel working under Mission Assignment (MA) PR-17090102-USGS-01 (Puerto Rico) have 4 personnel flagging high water marks (HWM); 9 HWM have been flagged and surveyed. Under MA 3385EM-FL-USGS-01 (Florida), 26 personnel are in the field retrieving 45 surge sensors. Under MA GA-17083101-USGS-01 (Georgia), 9 personnel are flagging HWM and have retrieved 52 surge sensors. Under MA SC-17083101-



USGS-01 (South Carolina), there were no personnel in the field on September 15; however, 66 surge sensors have been retrieved in the state.

### **ESF #13 (Public Safety and Security)**

- *ESF #13 - Office of Law Enforcement and Security (OLEs)*: Currently, there is approval for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission, to be staffed by DOI. Four additional ESF #13 QRTs are in the U.S. Virgin Islands and Puerto Rico, and a total of 21 QRTs are deployed and operational. There is a special deputation unit operational at Moody Air Force Base with 130 Federal Law Enforcement Officers (FLEOs) standing by.

Electric power has not been restored to Big Cypress and the Brighton area. All ESF #13 personnel supporting the Seminole Tribe are in hotels and continue to augment morning and evening shifts. Radio communication between QRTs is not fully functional, and two BIA radio technicians are working to restore radio contact between the QRTs. Overnight on September 14, a pound of marijuana was seized by Seminole and Cherokee law enforcement personnel.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Irma Update**

*Source: National Park Service (NPS) – September 15, 2017*

The Eastern Incident Management Team (IMT) continues to manage operations in Florida at a local hotel until they can achieve permanent relocation to Everglades National Park (EVER); they are awaiting electrical service prior to moving.

Parks have completed 100% accountability for all employees and their priorities remain as follows:

- Employee safety
- Restore services and access to the parks
- Remove debris
- Provide support to employees who were impacted by Hurricane Irma.

The following is the status for parks:

- *Virgin Islands (VIIS)* - Closed - Generators are still down and there is concern with the timeline for receiving generators. Weather conditions are beginning to wear on employees; there is a need for a Critical Incident Stress Management (CISM) Team onsite. There is increasing concern for potential storms in the eastern Atlantic. The campgrounds have been washed out and rooms are unavailable now and there are difficulties securing lodging for employees. Due to current conditions, restrictions for air and boat transportation require significant coordination.
- *Big Cypress (BICY)* - Closed - There is no power or water to park facilities. The restoration of power to the area is targeted for September 22. The local school system in Collier County will remain closed through September 20. All employees will remain on administrative leave until power is restored. A boil water notice is in effect in Collier County and adjacent counties and fuel shortages remain.
- *Biscayne (BISC)* - Closed - Two overflight assessments were conducted. The docks sustained heavy damaged and the county marinas will be closed this weekend; however, operations are expected to

return to normal on Monday, September 18. Attempts are being made to get the docks in shape to meet visitor needs. Boat captains will be onsite to transport EIMT members at Biscayne.

- *Everglades (EVER) / Dry Tortugas (DRTO)* - Closed - Coordinated efforts to assess the park are underway. U.S. Customs and Border Patrol approved the M/V Fort Jefferson to return directly to DRTO from Belize. Additional DRTO staff returned to begin damage assessments. Power has been restored to Fort Jefferson. Security and Saw Crews have been requested; some have arrived. The park is working on extended housing for approximately 12 displaced park residents. Efforts continue to access and evaluate the Shark Valley Area. The Visitor Center appears to have sustained only minor damage. The Pine Island Saw Crew will be clearing downed trees near the entrance to the park as well as continuing efforts to access the Missile Site and Royal Palm. The generator is being moved to Robertson Building and working to repair generator at the Dan Beard Center (DBC). The Cultural Resource Advisor and Resource Division Staff will assess the museum/curatorial areas of the DBC. Partial power has been restored to park headquarters (HQ) and efforts continue to regain full power to enable it to serve as the Incident Command Post (ICP). The Krome Centre in Homestead has power. The repeater in the Pine Island HQ area has been restored, while the assessments of others will be initiated. One lane has been cleared from the main entrance to Flamingo and efforts will continue to widen the road for heavy equipment access. The Water/Waste Water Treatment plant in Flamingo is not operating, but crews will work to clear access for maintenance personnel. Providing access to housing personnel in order to obtain personal effects. Florida Bay Rangers will be assessing Florida Bay for damage as well as stranded vessels. Air Operations will include the Florida Bay to assess potential stranded vessels and repeater sites. Both parks have suffered damage to park housing as well as other infrastructure. There is also a significant break of the moat wall. Servers up as well as sharepoint sites.

The number of displaced employees is 12; 8 at Flamingo, 1 each at Shark Valley, Loop Rd, Gulf Coast, and Dispatcher.

- *Canaveral (CANA)* - Partially open - Power has been restored. Recovery assistance has been requested. Coordinating with DeSoto National Memorial (DESO) to provide a saw team.
- *Castillo de San Marcos (CASA)* - Closed - Staff has made great progress with grounds cleanup operations. The Lift station is still down restricting restrooms operability, which may prohibit the park's reopening.
- *Fort Matanzas (FOMA)* - Closed - Staff was able to get the small vessel in the water and gain access to the Fort. There is no damage to the Rattlesnake Island structure. Park staff gained access to the ferry that is attached to the damaged/ inaccessible dock. The vessel (San Pelayo) received severe damage and will require a considerable amount of repair work. The second ferry (Trinite) also sustained damage as a sailing vessel fell over onto it at the storage yard. Staff began to clean the grounds and cleanup work continues.
- *Desoto (DESO)* - Closed - The park has no power, internet, or phone service. The county is assisting in clearing trails. The park is in touch with CANA to get resources onsite to help.
- *Timucuan (TIMU)* - Closed - There are power and phones at the Fort Caroline (FOCA) Visitor's Center, but internet service remains down. Pending cleanup progress at FOCA, the area may open early next week. Internet at HQ is down, but there is power and phones. Power is still out at Kingsley Plantation (KP). Numerous trees and power lines are down throughout district as well as Ft. George Island. Water is limited, but using generators to power well pump for water needs for

clean-up/recovery crews on site. The Fort at FOCA and FOCA dock will both remain closed due to extensive storm damage, and are the park's most negatively affected assets.

- *Fort Pulaski (FOPU)* - Closed - Debris removal continues. Bridge contractors were instrumental in helping clean the roads. The water well was shocked; however, the test results won't be back until Monday. The water is being treated as non-potable and will continue until test results are confirmed. The lighthouse damage assessment is underway. The park had three maintenance personnel affected by Irma; therefore, three wage grade (WG) personnel have been requested to assist in recovery efforts. A Public Health Officer was requested and should be en route. Staff will shut down on Sunday for some much needed rest; however, law enforcement will remain in the park.
- *Cumberland Island (CUIS) / Ft. Frederica (FOFR)* - Closed – All staff are expected back to work on Monday with mission critical employees working this weekend. The county remains under a critical status regarding waste water treatment services and are asking residents to watch their usage. The power is still out on the island and in downtown areas where park facilities are located. Power has been restored to most areas in FOFR. Assessment teams have arrived at CUIS and will begin on the south-end of the island making their way north. A team of arborists and saw teams will be working at FOFR over the weekend and will return to CUIS early next week. A CUIS mission critical team has arrived to work on generators, water service, and supporting the EIMT with equipment and logistical needs (dump truck, man lift, landing craft, and boat operations). LE resources will be required.
- *Fort Sumter (FOSU)* - Partially open. The water in the fort is receding. Guidance from the Southeast Regional Office (SERO) was received on stabilizing cannon.
- *South Florida Caribbean Network (SFCN)* - Closed - Equipment and some employees are available if needed at nearby parks for natural resource assessments. There is no power. The need exists for temporary office space for employees stationed at VIIS.
- *Outer Banks* - Open - In preparation for potential winds and rains from Jose, the park is preparing outside areas and will be monitoring over the weekend.

### **U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service (FWS) – September 15, 2017

The U.S. Fish and Wildlife Service (FWS) reports a total of 55 FWS Stations closed across the response area due to Irma.

*Incident Management Team (IMT):* The Heavy Equipment Team completed work on Florida Panther and Ten Thousand Islands National Wildlife Refuges (NWR). There is still no power; however, fuel was delivered to the refuge yesterday. The IMT has established a staging area for equipment at the maintenance facility at National Key Deer NWR in Big Pine Key, Florida. Additionally, the team provided assistance to access and egress to the refuge, stabilized employee residences, provided support for stabilization of Merritt Island NWR, and provided support to Pelican Island NWR.

The following USFWS station updates have been provided:

- *Loxahatchee National Wildlife Refuge* - Damage assessments have been completed of all Loxahatchee and Hobe Sound NWR facilities. No serious damage was found. Power has been restored to all facilities at both refuges. Remaining debris was cleared from all roads, trails, and

parking lots. The Loxahatchee NWR Lee Road fishing pier received damaged and will remain closed to the public until evaluated by an engineer. Internet and phones are still out at Loxahatchee NWR. At Hobe Sound NWR, a team from Loxahatchee finished clearing debris from trails and service roads. The standby generator failed to activate when power went out and is being troubleshot by a contractor. Both refuges will fully re-open to the public today.

- *Okefenokee National Wildlife Refuge* - Power has been restored to the entire Refuge, with the exception of the Administrative Office. Internet service is restored, but no phone service is available at this time. There is generator power for the Administrative Office, but it cannot sustain staff working at full capacity. Refuge employees are returning to work on an as needed basis. Refuge staff continues their home recovery operations and many are still waiting on power to be restored. The Pocket and Cow House units are open to hunting according to state regulations. The Sill is open to fishing according to state regulations. The Refuge Concessionaire and Okefenokee Adventures are open and offering boat tours. A Federal Wildlife Officer is on duty and will be patrolling the Refuge through the weekend. All Refuge functions are scheduled to return to normal operations on Monday, September 17.

### **Bureau of Indian Affairs – Irma Update**

Source: Bureau of Indian Affairs (BLA) – September 15, 2017

The Florida Federal Coordinating Officer (FCO) visited the Seminole Tribe of Florida and met with the Osceola tribal staff chairman and visited tribal reservation lands to view Points of Distribution (POD) operation and damages.

*Seminole Tribe of Florida* - Four shelters are still open with a population of 38; Big Cypress shelter continues to leak, but remains functional. POD commodities (meals and water) have arrived at first Seminole Reservation and a second load is en route. The boil water advisory has been lifted by the Hollywood Reservation. There are still cell, radio, and power issues in all areas. Over 400 rapid needs and assessments have been completed. Tribal Fire Department is awaiting the structural engineer report for the infrastructure assessment. There are 48 home bound special needs patients awaiting generators for their home and ambulance requests were cancelled. Forty-seven Civil Air Patrol (CAP) imagery sorties were scheduled for September 15 (37 for Seminole Indian Tribe, Charlotte and Henry Counties, and St. Johns River in FL, 10 for PR); still awaiting guidance on targets over St. Thomas.

*Miccosukee Tribe of Indians of Florida* - There are no current issues or unmet needs. Generator fuel has arrived.

*Eastern Band of Cherokee (North Carolina)* - Power has been restored to all communities, including Big Cove, Big Y, and Wolf Town. Shelters continue to be used for food and showers; there are no overnight guests, and no current issues or unmet needs.

*Poarch Band of Creek Indians (Alabama)* - There are no current issues or unmet needs.

*Mississippi Band of Choctaw (Mississippi)* - There are no current issues or unmet needs.

*Catawba Indian Nation (South Carolina)* – There are no current issues or unmet needs.

**Bureau of Land Management – Irma Update**

Source: Bureau of Land Management (BLM) – September 15, 2017

The Florida Power and Light was scheduled to restore power to the Jupiter Inlet Lighthouse by September 15. The main historic corridor remains closed, although the majority of downed trees and vegetation have been removed. A contractor will remove a number of large branches and limbs lodged in the trees. The lighthouse will return to normal operations once power is restored and debris has been removed.

**Office of Aviation Services**

Source: Office of Aviation Services (OAS) – September 15, 2017

The Atlanta, Georgia OAS Eastern Regional Office is fully operational. Cleanup is in progress for an employee living in Sarasota, Florida.

**Office of the Chief Information Officer - Irma Update**

Source: Office of the Chief Information Officer (OCIO) – September 15, 2017

OCIO is working to restore connectivity, and twelve sites have been restored in the past 24 hours. Most of the sites were reestablished as power was restored to impacted areas. The current count of Irma-related network outages now stands at 31 offices. OCIO is currently working to fulfill an NPS EIMT request to deploy a Cellular on Wheels (COW) at Biscayne National Park, to support the NPS-EIMT ICC at Biscayne.

**United States Geological Survey - Irma Update**

Source: United States Geological Survey – September 15, 2017

All USGS employees are accounted for on Puerto Rico and St. John in the U.S. Virgin Islands, and there have been no requests for assistance. Accountability of personnel and office status in Florida is limited by communication and power outages. Thirty-six stream and groundwater gages in Florida are not reporting due to communications loss, damaged equipment, or inundation. Twelve streamgages have been repaired.

The Caribbean Florida Water Science Center (CFWSC) has four personnel in Puerto Rico making discharge measurements, repairing gages, and flagging for additional measurements. An additional thirty-six personnel are in Florida assessing damage to streamgages, repairing streamgages, and making discharge measurements.

**Office of Environmental Policy and Compliance - Irma Update**

Source: Office of Environmental Policy and Compliance (OEPC) – September 15, 2017

OEPC is in the process of fielding a request from the FEMA Office of Environmental Planning and Historic Preservation (OEHP) to provide individuals to aid and provide adequate response and recovery support to service both HQ leadership as well as multiple disaster OEHP teams across geographies and FEMA Regions. OEPC is coordinating with USGS to fulfill this request but need to ensure resource availability. Additionally, OEPC will coordinate with other bureaus and offices to confirm the availability of required resources in other areas of the Department.

**Future Actions:**

The Interior Operations Center will continue to monitor the impacts of Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-17p-17

**Subject:** Irma Response and Recovery

**Date:** September 17, 2017

**Time:** 8:00 a.m. EDT

**Location:** Southeastern United States, U.S. Virgin Islands, Puerto Rico

**Update:** Update #14

**DOI Mission Assignments as of September 17, 2017:**

There are currently a total of 202 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments.

ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	USGS	Puerto Rico	\$200,000	1	PR-17090102-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					
5	USGS	Georgia Coast	\$135,000	10	GA-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event.					
5	USGS	South Carolina Coast	\$170,000	2	9/7/2017 SC-17083101-USGS-01
<b>Description:</b> Provide advance support, real-time field measurements, and daily reporting of water heights in direct support and for situational awareness of FEMA response operations for a high-water or flood event					
5	USGS	Florida Coast	\$482,500	26	3385EM-FL-USGS-01
<b>Description:</b> To provide advance support, real-time field measurements, and daily reporting of water heights in direct support of federal response operations related to Irma					

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					4337DR-FL-DOI-01

**Description:** Support SILC position activation at the National Response Coordination Center (NRCC).

5	BIA	Florida	\$15,000	1	9/13/2017
					MA: 3388EM-FL-DOI-01

**Description:** BIA Liaison to FL to help coordinate with the R-4 Tribal Liaison and the Seminole Tribe and other affected tribes in the FL during response and recovery issues and provide and coordinate the interagency Hurricane Tribal Assistance Coordination Group call. Estimated Arrival: 9/15/2017

**Personnel Description:** One BIA EM person supporting remotely prior to JFO establishment.

8	NPS	Florida	N/A	3	N/A
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**Description:** Support patient movement, well water sampling, and HHS Operations Center.

11	OEPC	FEMA HQ	\$10,000	1	9/5/2017
					PR-17090102-DOI-01

**Description:** Support ESF #11 position activation at the NRCC.

13	Office of Law Enforcement & Security	Seminole Tribe	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	79	MA#3388EM-FL-USDJ-01
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**Description:** Mission Assignment approved for 125 officers to support the Seminole Tribe on a direct Federal assistance (DFA) mission.

**Location Description:** DOI IRMA QRTs 2, 3, 5 made it to Hollywood, Florida to support the Seminole Tribe DFA mission. BIA ASAC Robert Mathis (QRT 5 team leader) is the Division Chief and has operational control of the teams. These personnel are assisting the Seminole Tribe with community policing, site security and distribution of commodities.

**Personnel Description:**

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25 - FWS-OLE

DOI IRMA QRT 3 : DEPLOYED 10 SEPTEMBER  
13 - USPP  
8 - NPS  
2 - OIG  
2 - OLES

DOI IRMA QRT 5 : DEPLOYED 10 SEPTEMBER  
25 - BIA/TRIBAL (One Tribal Officer returned home yesterday to respond to an office emergency)

BIA BUNKHOUSE : DEPLOYED 8 SEPTEMBER  
2 - BIA support personnel  
2 - BIA radio techs



13	Office of Law Enforcement & Security	All DOI Teams except QRT 7 are deployed.	DOI sub-tasked under DOJ's MA; total MA is \$7,269,245	65	MA#3385EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> DOI IRMA QRTs 1, 4, and 6 have left Moody and relocated to Orlando pending their assignments. As of today Moody is no longer being used for ESF13 staging.					
<b>Personnel Description:</b>					
DOI IRMA QRT 1 : DEPLOYED 10 SEPTEMBER 9 - NPS 6 - FWS Refuge					
DOI IRMA QRT 4 : DEPLOYED 10 SEPTEMBER 25 - BLM					
DOI IRMA QRT 6 : DEPLOYED 10 SEPTEMBER FWS Refuge - 13 BLM - 5 NPS - 4 OIG - 2 OLES - 1					
Non ESF	DOI Wide	Various	\$700,000	12	9/12/2017 MA: 4377DR-FL-DOI-03
<b>Description:</b> U.S. Department of Interior (DOI) provide DHS/FEMA with additional staff to support the Surge Capacity Force Team					
<b>Personnel Description:</b> Three person support team working out of DOI HQ to roster and deploy DOI members to support FEMA Surge Capacity Force requirements.					

**General Situation:**

Source: National Weather Service – September 17, 2017

The Interior Operations Center continues to monitor Irma response and recovery efforts. Flood Warnings remain in effect for portions of Florida, Georgia, and South Carolina. The National Weather Service (NWS) notes many of these warnings will remain in effect until further notice. While record flooding is not anticipated, portions of several rivers in Florida will continue to experience major flooding into next week. While isolated showers and thunderstorms will be possible across the state through Tuesday, widespread heavy rainfall is not expected.

Due to threats associated with Tropical Storm Maria, FEMA reports all non-essential FEMA personnel and Emergency Support Function (ESF) responders will evacuate from the U.S. Virgin Islands (USVI) to Atlanta, Georgia. These personnel will return post landfall. FEMA has halted all deployments to Puerto Rico (PR) and the USVI until further notice.

**DOI Emergency Support Function (ESF) Support:****ESF #5 (Information and Planning)**

- *ESF #5 – United States Geological Survey (USGS):* USGS personnel working under Mission Assignment (MA) PR-17090102-USGS-01 (Puerto Rico) have 3 personnel flagging high water marks (HWM); 25 HWM have been flagged and surveyed. Under MA 3385EM-FL-USGS-01 (Florida), 23 personnel are in the field retrieving 115 surge sensors. Under MA GA-17083101-USGS-01 (Georgia), 9 personnel are flagging 31 HWM and have retrieved 31 surge sensors.

### **ESF #13 (Public Safety and Security)**

- *ESF #13 - Office of Law Enforcement and Security (OLES):* In support of ESF #13, Public Safety and Security, four interagency Quick Response Teams (QRTs) are in the USVI and PR. QRTs in the USVI will be relocating from to San Juan, PR later today. They will return after Tropical Storm Maria passes. DOI Irma QRTs 1, 4, and 6 are still located in Orlando, Florida, pending their assignment. DOI Irma QRTs 2, 3, and 5 are supporting the Seminole Tribe on a direct Federal assistance (DFA) mission to assist with community policing, site security, and the distribution of commodities.

### **DOI Bureau and Office Reporting:**

#### **National Park Service - Irma Update**

*Source: National Park Service (NPS) – September 16, 2017*

The Eastern Incident Management Team (IMT) has relocated its operating base from a local hotel and is now conducting operations out of the Krome Center in Homestead, Florida. The EIMT is also focusing on plans to relocate USVI staff and families that could potentially be impacted by incoming storms.

Parks have completed 100% accountability for all employees and their priorities remain as follows:

- Employee mental and physical safety
- Restore services and access to the parks
- Remove debris
- Provide support to employees who were impacted by Hurricane Irma.

The following is the status for parks:

- *Virgin Islands (VIIS)* - Closed - Park staff are developing plans and working with local military commands to relocate employees, families, and pets, in park housing to temporary housing for up to a year. The impact of impending storms heading towards the USVI may delay any decisions concerning the complete stabilization and move to recovery of personnel. The EIMT is staging Critical Incident Stress Management (CISM) personnel at the Krome Center until Maria passes. Due to this unprecedented situation, the possibility of stress-related issues on staff cannot be overlooked.
- *Big Cypress (BICY)* - Closed – The water treatment plant is back on line and water was delivered to park facilities; however, the boil water notice is still in effect for Collier and adjacent counties. The CISM is on site and monitoring personnel. Damage to backcountry campsites and trails remains unknown at this time. Additional Law Enforcement (LE) and Security are in place.
- *Biscayne (BISC)* - Closed - Assessment teams have arrived onsite and are working with boat captains. A major leak was discovered in the water main down to BISC. Temporary restrooms are onsite for personnel. The park is awaiting additional resources and assistance from Miami-Dade County to assist with debris removal and overall wide-spread damage experienced by the park.

- *Dry Tortugas (DRTO)* - Closed – Park staff are utilizing automated notification system to check employee availability for post storm recovery work. The M/V Fort Jefferson arrived from Belize. The main dock, harbor light, housing, generators, water systems, and communications systems sustained minimal damage, and are operating effectively. Many downed trees remain scattered across the park. The surge breached the moat wall and caused significant damage. The possibility of opening of the Key West Port would be beneficial and make it easier to deliver supplies.
- *Everglades (EVER)* - Closed - All repeaters remain operational. Fuel being delivered to generators as needed, but the need for propane still exists.
  - Gulf Coast - Clean up continues with heavy equipment; need to identify plumbing and electrical hazards for technicians.
  - Northeast - Shark Valley power outages remain. Staff will attempt to assess Shark Valley roads and facilities. Roads in the East Everglades are impassible due to downed power lines.
  - Pine Island - There are 3 operational generators. The access road to Royal Palm has been cleared; however, associated trails are blocked by downed trees. Hidden Lake and Long Pine Key access roads remain blocked. Power was restored to HQ, the Dan Beard Center, and the Robertson Building. Access to the Missile Site was achieved, but the area still needs to be assessed. Cultural and Resource Assessments continue. The Main Park Road entrance was cleared and the gate will be staffed to allow displaced residents access homes to retrieve personal effects.
  - Flamingo - The road was widened for heavy equipment. Staff is clearing the West Lake parking area and continues to clear housing and downtown Flamingo.
  - Key Largo – Power has been restored to the facility. Rangers are attempting to assess Florida Bay. Air Operations observed Lostman's Repeater and other backcountry areas, but the flight was cut short due to mechanical issues. Flights should resume today.
- *Castillo de San Marcos (CASA)* - Open - Downed trees remain, but they do not restrict visitor access. A local tree medic was enlisted to diagnose trees and mitigate unstable tree hazards. Park admission is free due to restroom inoperability.
- *Fort Matanzas (FOMA)* - Closed - Assessments for the Fort structure on Rattlesnake Island returned positive, although there was extensive damage to the dock and the vessels. Staff has returned and is on-site clearing debris.
- *Desoto (DESO)* - Closed - Power, phones, and water have been restored to all park locations and the county-operated lift stations are now operable. As a result, park staff has returned to duty and initiated cleanup efforts and post-storm recovery. CANA offered to provide a two-person crew to assist with downed trees and other administrative duties. The county parks and recreation staff have offered to help clear trails as well.
- *Timucuan (TIMU)* - Closed - Power and phones are working at the Fort Caroline (FOCA) Visitor's Center (VC), but internet service remains down. FOCA may reopen early next week, if cleanup goes well. Internet service at headquarters (HQ) is down, but power and phones are restored. Power is still out at Kingsley Plantation (KP). Numerous trees and power lines are down throughout district as

well as Ft. George Island. Water is limited, but using generators to power well pump for water needs for clean-up/recovery crews on site. The Park is in line for an Arborist Incident Response (AIR) Team and a Saw Crew. The Fort at FOCA and FOCA dock will both remain closed due to extensive storm damage, and are the park's most negatively affected assets.

- *Fort Pulaski (FOPU)* - Closed - The lighthouse was inspected and sustained minor damage. The park is developing plans to move both bridges in order to reinstall as soon as possible. The CISM team has reached out to the park to speak with employees negatively impacted by Irma. The water is being shocked; however, results will not be known until Tuesday. One of the culverts on the dike system was compromised and currently has a 12- inch in diameter hole; further assessment is needed. The fort was visited by U.S. Congressman Buddy Carter. All park personnel, with the exception of LE, will be taking a much needed day off today. Morale continues to remain high as the park moves closer to reopening soon.
- *Cumberland Island (CUIS) / Ft. Frederica (FOFR)* - Closed – Power capabilities are 80% at mainland buildings, though the VC is still without power or internet service. There are 2 saw crews working to clear the main road to facilitate the power company's needs. An arborist crew is working on the cultural landscapes. The assessment team found damage to minor sheds and an historic structure. An interagency team comprised of The Georgia Department of Natural Resources (DNR), the U.S. Coast Guard (USCG), the U.S. Army Corps of Engineers (USACE), the City of St. Marys, and the NPS is assessing debris management in and out of the water at the St. Marys waterfront. Divers will be inspecting below the waterline, which will close the waterfront area for an approximate 4-6 weeks.
- *Fort Sumter (FOSU)* - Partially open. Crews began debris and mud removal at the fort. The process of rinsing cannons with fresh water to remove the corrosive salt water residue was also launched. The Fort Moultrie and Liberty Square facilities are open.
- *San Juan (SAJU)* - Open – SAJU is housing the Incident Command Team.
- *Outer Banks* - Open - In preparation for potential winds and rains from Jose, the park is preparing outside areas and will be monitoring over the weekend.

#### **U.S. Fish and Wildlife Service - Irma Update**

Source: U.S. Fish and Wildlife Service (FWS) – September 16, 2017

The U.S. Fish and Wildlife Service (FWS) reports a total of 53 FWS Stations closed across the response area due to Irma.

*Incident Management Team (IMT):* The IMT continued work to support Big Cypress National Preserve for stabilization and community assistance in Immokalee, Florida. The IMT also cut trails and roads for entrance and exit to Crocodile Lake National Wildlife Refuge (NWR) and provided support to the Key Deer and other Response Groups as needed.

#### **Bureau of Indian Affairs – Irma Update**

Source: Bureau of Indian Affairs (BIA) – September 16, 2017

The BIA reports that the Catawba Indian Nation of South Carolina, the Poarch Band of Creek Indians in Alabama, the Mississippi Band of Choctaw Indians in Mississippi, and the Eastern Band of Cherokee Indians

in North Carolina are all in good standing and have no unmet needs. FEMA Region IV will continue to support and maintain contact with the Tribes.

*Seminole Tribe of Florida* - Three shelters remain open with 27 occupants. The Big Cypress Reservation continues to deal with propane issues, but received a shipment yesterday. The Brighton and Tampa reservations have returned to full power, while power outages continue at Hollywood, Big Cypress, and Immokalee reservations. Points of Distribution (POD) commodities (meals and water) have arrived and are being distributed to Big Cypress and Brighton reservations. Communications are restored on Hollywood Reservation, but remain down in Big Cypress reservation. Federal Law Enforcement Officers (FLEO) and Mobile Command Vehicles continue to provide security support to the Seminole Tribe Police Department. Big Cypress Reservation EOC will remain on full activation until power is restored.

*Miccosukee Tribe of Indians of Florida* - There are no current issues or unmet needs.

### **United States Geological Survey - Irma Update**

*Source: United States Geological Survey – September 16, 2017*

The Caribbean Florida Water Science Center (CFWSC) has three personnel in the field making discharge measurements, repairing gages, and flagging for additional measurements in PR. In Florida, nine personnel are in the field repairing gages and making discharge measurements.

### **Future Actions:**

The Interior Operations Center will continue to monitor the impacts of Irma and requests that Bureau/Office Emergency Management Coordinators continue to report any impacts to Department of the Interior personnel, lands, and/or facilities that may occur.

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18b-17

**Subject:** Hurricane Maria

**Date:** September 20, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #2

## **Hurricane Maria**

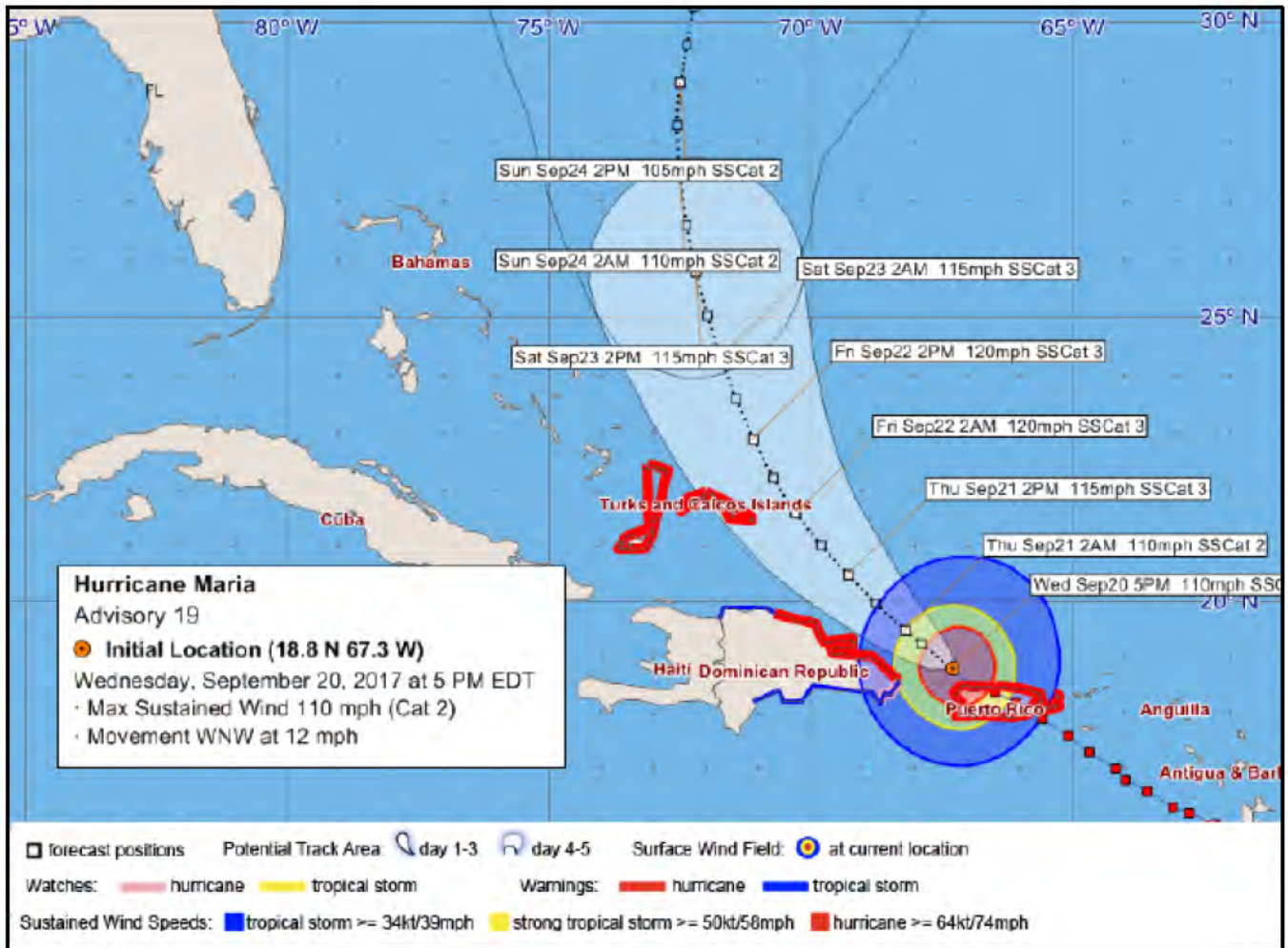
### **General Situation**

**Source:** *National Weather Service/National Hurricane Center – September 20, 2017*

At 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 25 miles to the north-northwest of Aguadilla, Puerto Rico, and moving to the northwest at 12 miles per hour (mph). A west-northwest to northwest motion is expected to continue through today, followed by a north-northwestward motion through Friday. The National Hurricane Center is reporting that Maria will continue to move away from the northwestern coast of Puerto Rico this evening, and will then pass offshore of the northeastern coast of the Dominican Republic tonight through Thursday. Maria will continue to move near Turks and Caicos and the southeastern Bahamas Thursday night throughout Friday. Maximum sustained winds are near 110 mph, with higher gusts. Maria is expected to strengthen during the next few days and could regain major hurricane status by Thursday. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 150 miles.

A Hurricane Warning is in effect for Puerto Rico, Culebra, Vieques, the Dominican Republic from Cabo Engano to Puerto Plata, the Turks and Caicos Islands, and the southeastern Bahamas. A Hurricane Watch is in effect for the Dominican Republic from Isla Saona to Cabo Engano. A Tropical Storm Warning is in effect for the Dominican Republic west of Puerto Plata to the northern border of Dominican Republic and Haiti and the Dominican Republic west of Cabo Engano to Punta Palenque. A dangerous storm surge accompanied by large and destructive waves will raise water levels by as much as 3 to 5 feet above normal tide levels in portions of the Hurricane Warning area near Puerto Rico, and 9 to 12 feet in the Bahamas and the Turks and Caicos Islands.

Maria is expected to produce an additional 3 to 5 inches of rainfall in the U.S. and British Virgin Islands. Puerto Rico is forecast to receive 20 to 25 inches, with isolated amounts of 35 inches possible. This rainfall could cause life-threatening flash floods and mudslides. Several tornadoes are possible over Puerto Rico and the U.S. Virgin Islands today.



HURREVAC Image

**DOI Mission Assignments as of September 20, 2017:**

There is currently a total of 90 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs:					90
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
13	OLES	Puerto Rico		90	

**Description:** Provide Law Enforcement Support for ESF-8 and ESF-9.

**Location Description:** DOI MARIA QRTs 1 and 2 respectively, are completing preparations for a 0330h flight to Puerto Rico

**Personnel Description:**

DOI MARIA QRT 1, SEPTEMBER 18  
25 - BLM

DOI MARIA QRT 2, SEPTEMBER 18  
FWS Refuge - 13  
BLM - 4  
NPS - 4  
OIG - 2  
OLES - 1

DOI MARIA QRT 3 : STANDBY IN ORLANDO  
13 - BLM  
7 - USPP  
3 - OLES  
2 - NPS  
1 - OIG

DOI MARIA QRT 4 : PENDING REASSIGNMENT FROM DOI IRMA QRT 5  
15 - BIA/Tribal

**DOI Bureau and Office Reporting:**

**National Park Service (NPS) - Maria Update**

*Source: National Park Service – September 20, 2017*

As of 6:45 a.m. EDT, the NPS Eastern Incident Management Team was still in communication with those sheltered in San Juan, PR.

**United States Geological Survey (USGS) - Maria Update**

*Source: United States Geological Survey (USGS) – September 20, 2017*

The USGS reports that there are 31 personnel on Puerto Rico. Four personnel have been accounted for via Facebook as of 12:00 p.m. EDT, and full accounting of personnel will begin after Maria has cleared the island this evening. There are no personnel on the U.S. Virgin Islands at this time.

The Caribbean Florida Water Science Center (CFWSC) have deployed 13 temporary sensors on the southern and eastern coasts of Puerto Rico. The CFWSC office in Puerto Rico is closed until further notice.

A new Event Support Mapper for Maria has been developed by the USGS Geospatial Information Response Team (GIRT). Additionally, the USGS is facilitating a second activation of the International Charter for island nations in the Caribbean and for Puerto Rico. Cataloging and distribution of imagery products are available on the Hazards Data Distribution System (HDDS) Explorer.



The Coastal and Marine Science Center has operational total water forecasts at selected coastal locations from Florida to Maine.

The USGS Landslide Hazards Program Activities is coordinating with NPS and the National Guard, to provide provide an assessment of Maria impacts. Hurricane Maria is forecast to bring as much as 25" of rain to mountainous areas of Puerto Rico, which will likely cause widespread shallow landslides and debris flows based on analysis of historical data. Rainfall amounts forecast with Maria are similar to amounts from Tropical Storm Isabel that impacted the island in October of 1985, which in addition to hundreds of shallow landslides and debris flows also triggered a large, deeply seated rockslide, known as the Mameyes landslide. This incident destroyed 120 homes, killing at least 130 people. While a much rarer occurrence, there is risk of large destructive rockslides associated with the passage of Maria.

The USGS Earthquake Hazards Program is monitoring the status of the Puerto Rico Seismic Network (PRSN). Currently, several supporting seismic stations have been damaged or are offline in the Virgin Islands due to Hurricane Irma impacts. The PRSN is currently offline and without communications because of Hurricane Maria impacts. The National Earthquake Information Center is backing up the major earthquake monitoring for the region. The Global Seismographic Network station on Barbuda remains offline and is assumed severely damaged/destroyed by Hurricane Irma.

#### **Office of the Chief Information Officer (OCIO)- Maria Update**

*Source: Office of the Chief Information Officer – September 20, 2017*

Hurricane Maria has resulted in 5 new network outages in Puerto Rico.

#### **Other Federal and State Government Reporting**

#### **Federal Emergency Management Agency (FEMA)– U.S. Virgin Islands**

*Source: Federal Emergency Management Agency – September 20, 2017*

FEMA reports massive, widespread damage island-wide, including San Juan. Nearly 70% of communications are down, and 100% of customers are without power. There are 11,500 people in 176 shelters in Puerto Rico; however, this number is expected to increase significantly. Two major dams are utilizing their spillways in Puerto Rico.

As of 8:00 a.m. this morning, reports indicate that internet is down on the U.S. Virgin Islands, and cell phone service is unreliable; however, VHF communications are functional between the three islands. All ports and airports on the U.S. Virgin Islands remain closed, and the main road in St. Thomas is inaccessible due to ocean water inundation. The majority of the 25,000 customers in St. Croix are reported to be without power. Department of Energy's predictive outage model estimated near 100% of customers would lose power as a result of Maria. Updated information for St. Thomas and St. John are unavailable at this time; however, the majority of customers, with the exception of critical facilities, were without power prior to Maria. The Schneider Medical Center, which was damaged by Irma, has no known additional damage at this time. A U.S. Army military medical unit is there assessing damage to tents and equipment. The Myrah Keating Smith Health Center, also damaged by Irma, has no known additional damage.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18c-17

**Subject:** Hurricane Maria

**Date:** September 21, 2017

**Time:** 6:00 p.m. EDT

**Location:** Atlantic Ocean

**Update:** Update #3

## **Hurricane Maria**

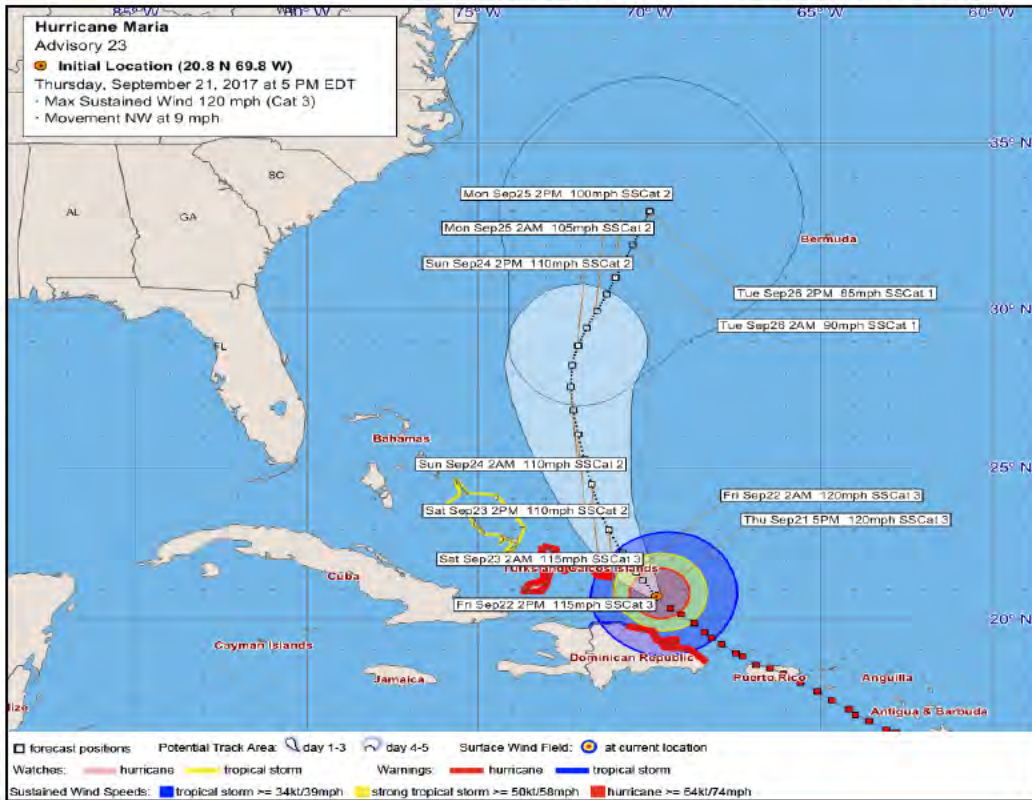
### **General Situation**

**Source:** *National Weather Service/National Hurricane Center – September 21, 2017*

At 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 90 miles to the northeast Puerto Plata, Dominican Republic, and moving to the northwest at 9 miles per hour (mph). A turn toward to the north-northwest is expected through Saturday. On this forecast track, the eye of Maria will continue to pass offshore of the northern coast of the Dominican Republic this evening, with continued movement near or just east of Turks and Caicos and southeastern Bahamas tonight and into tomorrow. Maximum sustained winds are near 120 mph, with higher gusts. Maria is expected to have little change in strength over the next few days. Hurricane-force winds extend outward up to 70 miles from the storm's center, and tropical storm-force winds extend outward up to 160 miles.

A Hurricane Warning is in effect for Dominican Republic from Cabo Engano to Puerto Plata, Turks and Caicos, and southeastern Bahamas. A Tropical Storm Warning is in effect for the rest of the Dominican Republic and Haiti. A Tropical Storm Watch is in effect for the central Bahamas. A dangerous storm surge accompanied by large and destructive waves will raise water levels by as much as 4 to 6 feet above normal tide levels in portions of the Hurricane Warning in the Dominican Republic, and 9 to 12 feet in the southeastern Bahamas and Turks and Caicos.

Maria is expected to produce an additional 4 to 8 inches of rainfall in Puerto Rico, with isolated maximum storm totals up to 40 inches. This rainfall could cause life-threatening flash floods and mudslides.



HURREVAC Image

**DOI Mission Assignments as of September 21, 2017:**

There is currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS			1	
<b>Description:</b> The ESF #9 primary agencies activated the Federal Search and Rescue Coordination Group (FSARCG) for Hurricane Maria, which includes one (1) NPS representative.					
13	Office of Law Enforcement & Security	PR	still on Irma MA	89	UNKNOWN, still on Irma MA but discussions happening for new

**Description:** Provide Law Enforcement Support for ESF-8 and ESF-9.

**Location Description:** All team members for DOI MARIA QRTs 1 and 2 are safe and accounted for. They are spending the day conducting recon with ESF-8 and ESF-9 teams as weather and road conditions permit. Teams may be required to self-sustain from this point forward and are prepared to do so.

DOI MARIA QRT 3 is staging in Orlando and awaiting onward deployment orders to San Juan. It is estimated they will deploy tomorrow, September 22.

DOI MARIA QRT 4 is traveling to Orlando this morning. They will be re-deputized this afternoon, conduct radio and equipment checks, and will likely deploy tomorrow with QRT 3.

DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19  
25 - BLM

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
FWS Refuge - 13  
BLM - 4  
NPS - 4  
OIG - 2  
OLES - 1

DOI MARIA QRT 3 : STANDBY IN ORLANDO (deployment is tentatively scheduled for Sept. 23)  
BLM - 13  
USPP - 7  
OLES - 3  
NPS - 2  
OIG - 1

DOI MARIA QRT 4 : TRAVEL TO ORLANDO; STANDBY IN ORLANDO  
14 - BIA/Tribal

### **DOI Emergency Support Function (ESF) Support:**

#### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** All team members for DOI Maria Quick Response Teams (QRTs) 1 and 2 are safe and accounted for. They spent today conducting recon with ESF #8 and ESF #9 teams, as weather and road conditions permitted. Their hotel sustained significant damage and does not have power. Many roads are impassable. Teams are prepared to be self-sufficient, if needed due to local conditions.

DOI Maria QRT 3 is staging in Orlando and awaiting onward deployment orders to San Juan. They are expected to deploy tomorrow, September 22.

DOI Maria QRT 4 is traveling to Orlando this morning, where they will be re-deputized this afternoon, conduct radio and equipment checks, and will likely deploy tomorrow with QRT 3. The NPS Radio Directorate provided 30 radios/peripherals for QRT 2 to ensure interoperability. Radios have been delivered to Orlando and will be transported by QRT 3. All teams should, and will, be prepared to self-sustain for the duration of the deployment.

**DOI Bureau and Office Reporting:****National Park Service (NPS)**

*Source: National Park Service – September 21, 2017*

NPS has accountability of 37 out of 49 personnel in St. Thomas, and have full accountability of personnel in St. Croix. NPS reports they have accounted for 44 of 96 personnel in San Juan, Puerto Rico. Accountability efforts are ongoing and being complicated by the lack of power and communications. NPS has spoken to all parks in the Caribbean. While NPS reported that St. Croix and St. John some damage and debris, full assessments have not been completed and there is no report yet from St. Thomas.

NPS is currently seeking assistance to resource potable water stations for utilization by park personnel and community members. They are also coordinating to organize a Critical Incident Stress Management (CISM) team to support employees.

**U.S. Fish and Wildlife Service (USFWS)**

*Source: National Park Service – September 21, 2017*

As of 2:30 p.m. EDT, the USFWS has accounted for 19 out of their 61 personnel in Puerto Rico and the U.S. Virgin Islands; of which, many reported catastrophic damage across the entire island of Puerto Rico. Four USFWS Office of Law Enforcement (OLE) personnel are going to Puerto Rico tomorrow morning via a Customs and Border Protection (CBP) aircraft.

**United States Geological Survey (USGS)**

*Source: United States Geological Survey (USGS) – September 21, 2017*

The USGS reports that there are 30 personnel on Puerto Rico. Eleven personnel have been accounted for and USGS will make continued efforts to account for staff. There are no personnel on the U.S. Virgin Islands at this time. All offices in Puerto Rico are closed. Coordinated information is available on the [USGS site](#).

The Caribbean Florida Water Science Center (CFWSC) have deployed 13 temporary sensors on the southern and eastern coasts of Puerto Rico. Information from the deployed sensors is available on the [Flood Event viewer](#). The CFWSC office in Puerto Rico is closed until further notice.

The USGS Landslide Hazards Program Activities is coordinating with NPS and the National Guard, to provide provide an assessment of Maria impacts. Heavy rainfall from Hurricane Maria likely caused widespread landslides and debris flows in the mountainous areas of Puerto Rico. Confirmation and identification of landslide impacts awaits availability of eyewitness accounts and satellite and other imagery.

The USGS Earthquake Hazards Program is monitoring the status of the Puerto Rico Seismic Network (PRSN). Currently, several supporting seismic stations have been damaged or are offline in the Virgin Islands due to Hurricane Irma impacts. The PRSN is currently offline and without communications because of Hurricane Maria impacts. The National Earthquake Information Center is backing up the major earthquake monitoring for the region. The Global Seismographic Network station on Barbuda remains offline and is assumed severely damaged/destroyed by Hurricane Irma. The USGS Geomagnetic station in San Juan is online and currently severing real-time data.

**FEMA Coordination Assistance**

*Source: Office of Emergency Management (OEM)*

The OEM reports that FEMA ESF #9 can assist with ongoing accountability efforts, if needed. FEMA can assist Bureaus and Offices that have personnel unaccounted for by sharing the individuals full name and last known address to the Interior Operations Center (IOC). This information will be shared with the DOI Desk at the FEMA National Response Coordination Center (NRCC) for further coordination. Additionally, if Bureau and Offices need assistance in coordinating the relocation of personnel or resources to Puerto Rico or U.S. Virgin Islands, these also should be sent the IOC.

**Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency
- DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18d-17

**Subject:** Hurricane Maria

**Date:** September 22, 2017

**Time:** 6:00 p.m. EDT

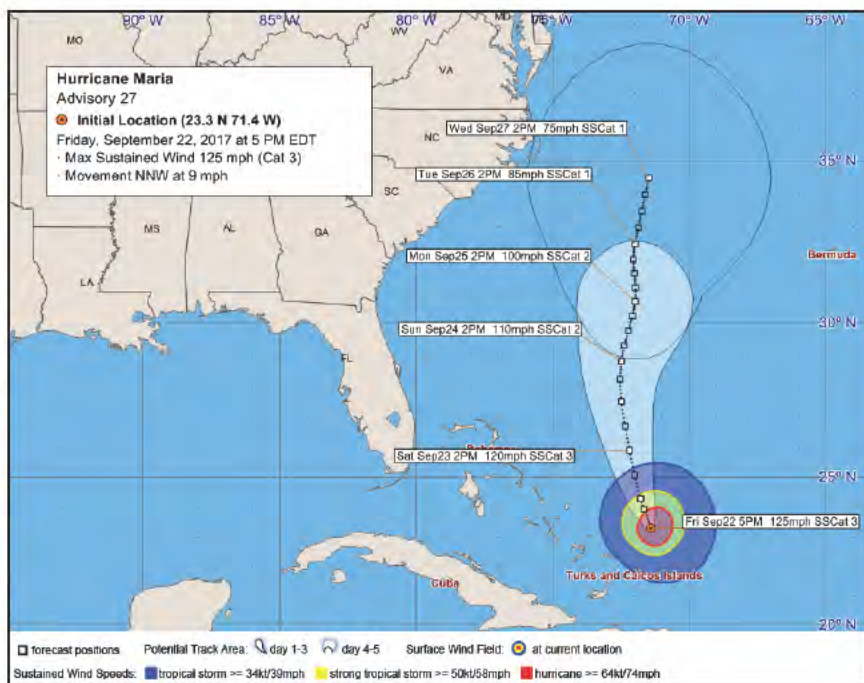
**Location:** Atlantic Ocean

**Update:** Update #4

### Hurricane Maria

#### General Situation

**Source:** National Weather Service/National Hurricane Center – September 22, 2017



HURREVAC Image



At 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 395 miles southeast of Nassau, Bahamas, and was moving northwest at 9 miles per hour (mph). This northwestern motion is expected to continue through Saturday. Maria is still a category 3 hurricane with maximum sustained winds near 125 mph, but is expected to weaken over the next 48 hours. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 160 miles.

A Tropical Storm Warning is in effect for the Turks and Caicos Islands, the southeastern Bahamas, and the central Bahamas. Maria was expected to produce an additional 1 to 3 inches of rainfall in Puerto Rico, some isolated maximum storm totals are up to 40 inches.

### FEMA Impact Summary

*Source: FEMA Teleconference Update – September 22, 2017*

As highlighted in the Red Cross brief during the FEMA Interagency Call today, uncertainty exists regarding updates from Puerto Rico and the U.S. Virgin Islands (USVI). Shelter populations being reported for Puerto Rico, evidenced by figures remaining identical over the last 3 days, are believed to be artifact not representative of the true situation at hand at the moment.

It is expected that similar reporting lag will persist with respect to situation and response activities within the affected areas due to extremely limited communication pathways, exacerbated by failing battery and generator backup systems supporting cellular communications.

### DOI Mission Assignments as of September 21, 2017:

There is currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS	FEMA HQ	\$15,000	1	9/20/2017 MA#1509-240274
<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					

**Location Description:** All team members for DOI MARIA QRTs 1 and 2 are safe and accounted for. They are conducting recon for ESF-8 AND ESF-9 teams as weather and road conditions permits. Teams may be required to self-sustain from this point forward and are prepared to do so.

DOI MARIA QRT-3 is ready to deploy to San Juan.

DOI MARIA QRT-4 traveled to Orlando on September 21. They are re-deputized and conducting radio and equipment checks. Will likely deploy with QRT-3.

DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19  
25 - BLM

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
FWS Refuge - 13  
BLM - 4  
NPS - 4  
OIG - 2  
OLES - 1

DOI MARIA QRT 3: Deployment is tentatively scheduled for September 22 at 1100 EDT.  
BLM - 13  
USPP - 7  
OLES - 3  
NPS - 2  
OIG - 1

DOI MARIA QRT 4: Deployment is tentatively scheduled for September 22 at 1100 EDT.  
14 - BIA/Tribal

## **DOI Emergency Support Function (ESF) Support**

### **ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** QRT teams established a Tactical Operations Center (TOC) among USAR command staff in order to streamline the assignment of LEOs to force protection missions. USAR missions were primarily recon in nature in order to conduct damage assessments of hospitals, infrastructure, and towns that needed assistance. Search and rescue missions were also conducted.

QRT team members conducted a force protection mission for USAR members traveling to the PR Veteran's Administration Hospital. USAR members met with the trauma center director and conducted an assessment of damage incurred during the hurricane and needs for FEMA. The hospital staff was willing to take on medical needs of federal personnel.

QRT-1 team members made contact with an animal hospital in order to establish emergency medical care for K9 units. QRT-1 has two K9 teams attached to the team. This hospital has the capability of providing 24-hour care.

## **DOI Bureau and Office Reporting:**

### **National Park Service (NPS)**

Source: National Park Service – September 21, 2017

NPS has accountability of 45 out of 49 personnel in the U.S. Virgin Islands. NPS reports they have accounted for 50 of 96 personnel in San Juan, Puerto Rico. Accountability efforts are ongoing and being complicated by the lack of power and communications. A generator on St. John was vandalized and may not be operable. The NPS is coordinating to get a supply boat from Florida to San Juan.

The San Juan Fort has minor damage, but no structural damage. They are looking at setting up a distribution site for potable water and food but there are fuel limitations. Work is ongoing to fix repeaters in San Juan to push info out to employees.

#### **U.S. Fish and Wildlife Service (USFWS)**

*Source: National Park Service – September 22, 2017*

As of 4:15 p.m. EDT, the USFWS has accounted for 39 out of their 61 personnel in Puerto Rico and the U.S. Virgin Islands. The FWS has coordinated with the DOI FEMA Desk for two teams to fly to Puerto Rico on a FEMA flight. Team 1 leaves on Saturday and is comprised of 5 people (3 Law Enforcement Officers and 2 incident management personnel). Team 2, leaving Sunday, totals 6 people (4 LEOs, 1 paramedic and 1 Incident Commander).

#### **United States Geological Survey (USGS)**

*Source: United States Geological Survey (USGS) – September 22, 2017*

The USGS reports that there are 30 personnel on Puerto Rico and fourteen personnel have been accounted. USGS will make continued efforts to account for staff following DOI guidance; names and addresses of the unaccounted for employees have been provided. There are no personnel on the U.S. Virgin Islands at this time. The USGS building is closed to everyone but law enforcement and essential personnel while damage is assessed. Coordinated information is available on the [USGS site](#).

USGS is determining need for requesting fuel for the Caribbean Florida Water Science Center (CFWSC) facility generators to power A/C to combat mold issues and to power guard office for the overall facility

The CFWSC have deployed 13 temporary sensors on the southern and eastern coasts of Puerto Rico. Information from the deployed sensors is available on the [Flood Event viewer](#). The CFWSC office in Puerto Rico is closed until further notice.

The USGS Landslide Hazards Program Activities is coordinating with NPS and the National Guard, to provide provide an assessment of Maria impacts. Heavy rainfall from Hurricane Maria likely caused widespread landslides and debris flows in the mountainous areas of Puerto Rico. Confirmation and identification of landslide impacts awaits availability of eyewitness accounts and satellite and other imagery.

The USGS Earthquake Hazards Program is monitoring the status of the Puerto Rico Seismic Network (PRSN). Currently, several supporting seismic stations have been damaged or are offline in the Virgin Islands due to Hurricane Irma impacts. The PRSN is currently offline and without communications because of Hurricane Maria impacts. The National Earthquake Information Center is backing up the major earthquake monitoring for the region. The Global Seismographic Network station on Barbuda remains offline and is assumed severely damaged/destroyed by Hurricane Irma. The USGS Geomagnetic station in San Juan is online and currently severing real-time data.

**Office of the Chief Information Officer (OCIO)**

*Source: Office of Chief Information Officer– September 22, 2017*

The OCIO reports 100-percent of the sites in Puerto Rico and the US Virgin Islands sites are without power and network connectivity since Hurricane Maria hit. There are a total of 23 DOI sites without power due to all Hurricanes. In fulfillment of the NPS EIMT request for enhanced cellular service to Biscayne NP, Verizon Wireless repaired the microcell in Homestead, FL Wednesday and installed a cellular repeater to boost cell service in the area. Four orders have been received for Very Small Aperture Terminal (VSAT) in FL, PR and USVI, and additional SAT phone requests have been received.

The USGS Data Center, in Old San Juan, PR, would like to request additional network bandwidth from 10 Mbps to 45 Mbps to increase response for mission science; the current provider is researching if this is a viable option. They also request additional communications tools (VSAT, SAT Phones with Data, cellular phones). Sourcing is pending on additional items.

**Office of Environmental Policy and Compliance (OEPC)**

*Source: Office of Environmental Policy and Compliance– September 22, 2017*

Overseeing the natural and cultural resources and historic properties (NCH) coordination of ESF #11, the OEPC is coordinating primarily with the EPA's Office of Water concerning coral reefs located near the U.S. Virgin Islands. They are communicating with NPS, USGS, NOAA and others to begin coordination on this issue.

They continue to coordinate with NPS to make contact with State Historic Preservation Officers (SHPOs) in Puerto Rico and the U.S. Virgin Islands. They hope to communicate with the SHPOs to understand their cultural resources needs, including archival and archaeological collections.

Further coordination is occurring with Non-Governmental Organization (NGO) partners including the Heritage Emergency National Task Force and the American Public Gardens Association concerning impacts and providing information and assistance to private-nonprofit facilities on negotiating the FEMA public assistance program.

**FEMA Flight Guidance**

*Source: DOI FEMA NRCC Desk (NRCC) –September 22, 2017*

FEMA is coordinating the airlift into Puerto Rico and the U.S. Virgin Islands (PR/USVI), and all flights into PR/USVI are limited to FEMA-approved lifesaving and life-sustaining missions (search and rescue teams, medical teams, food and water, etc.). The missions are prioritized at the Movement Coordination Center (MCC), which is part of the National Response Coordination Center (NRCC) at FEMA Headquarters. The MCC is using a time phased mobilization prioritization system to prioritize and schedule flights into Puerto Rico and the US Virgin Islands.

Travel into PR/USVI is likely to remain under these restrictions for the next several days at least, to ensure sufficient ramp space for critical cargo and because of the lack of power, water, food and fuel on PR/USVI.

If there is a critical mission for support on Federal lands that cannot wait until the airports are open for commercial air traffic, an official request must be submitted through this system to get in "the queue". Once an official request has been received by the appropriate contact at the NRCC (FS – ESF #4; DOI bureaus – DOI Liaison, [fema-nrcc-doi@fema.dhs.gov](mailto:fema-nrcc-doi@fema.dhs.gov)) a Resource Request Form will be submitted in WebEOC, which will be worked through the time phased mobilization prioritization system that FEMA has in place.

FEMA made it clear that agencies that intentionally disregard the established process for transport into PR/USVI will be dealt with appropriately, likely at the Secretary level. The clear priority is emergency response for lifesaving and life-sustaining missions in support of PR/USVI, and the Federal response to this major disaster is, by law, coordinated by FEMA.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18e-17

**Subject:** Hurricane Maria

**Date:** September 23, 2017

**Time:** 8:00 a.m. EDT

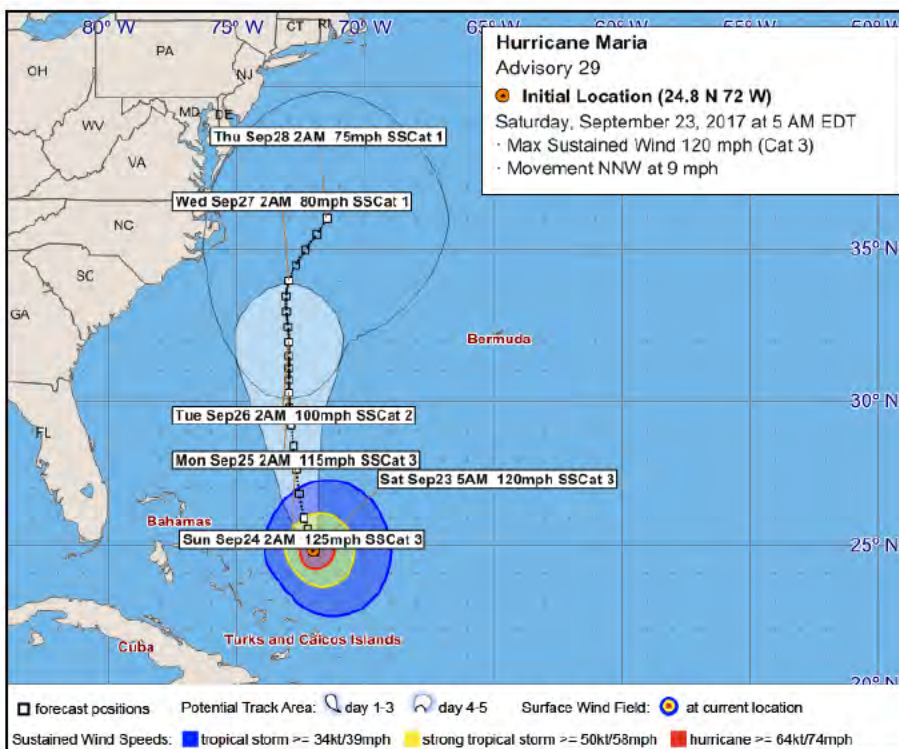
**Location:** Atlantic Ocean

**Update:** Update #5

### Hurricane Maria

#### General Situation

**Source:** *National Weather Service/National Hurricane Center – September 23, 2017*



HURREVAC Image

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 340 miles east of Nassau, Bahamas and moving to the north-northwest at 9 miles per hour (mph). This general motion is expected to continue through tonight, and a turn toward the north is expected on Sunday. On the forecast track, Maria should move away from the Bahamas and into the open waters of the western Atlantic today. Maria remains a category 3 hurricane with maximum sustained winds near 120 mph. Fluctuations in intensity are expected during the next couple of days. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 195 miles. All coastal watches and warnings associated with Maria have been discontinued as of this morning.

The National Weather Service (NWS) is reporting that the Flash Flood Emergency continues for the municipalities of Isabella and Quebradillas due to the imminent failure of the Guajataca Dam in northwestern Puerto Rico. A dam failure would result in life-threatening flash flooding downstream on the Rio Guajataca, and media reports indicate that mass evacuations were initiated yesterday. The NWS has been running various dam break scenarios. Preliminary results indicate that a full breach would result in large peak flows that would reach the coast in under 12 hours. Flood extent mapping of these scenarios keep flows largely within the canyon river channel.

### DOI Mission Assignments as of September 23, 2017:

There is currently a total of 96 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 96					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R.					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> All team members for DOI MARIA QRTs 1 and 2 are safe and accounted for. Both QRTS fully engaged in support of DMAT and USAR missions. USAR missions were primarily recon oriented in order to conduct damage assessments of hospitals, infrastructure, and towns that needed assistance. Search and rescue missions were also conducted.					
DOI MARIA QRT 3 and DOI MARIA QRT 4 departed Orlando 9/22 for Puerto Rico on a contract flight but a problem with the plane caused them to land in Miami, FL. Now scheduled departure for Puerto Rico is 0800, Sept 23.					
DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19 25 - BLM					

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
 FWS Refuge - 13  
 BLM - 4  
 NPS - 4  
 OIG - 2  
 OLES - 1

DOI MARIA QRT 3: Scheduled departure for Puerto Rico is 0800, Sept 23.  
 13 - BLM  
 7 - USPP  
 3 - OLES  
 2 - NPS  
 1 - OIG

DOI MARIA QRT 4: Scheduled departure for Puerto Rico is 0800, Sept 23.  
 14 - BIA/Tribal

	Office of Law Enforcement & Security	PR		4	
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FWS is also coordinating for FEMA a 1A-Life Saving Mission. A 4 person FWS Office of Law Enforcement team landed today via Custom Border Patrol flight in Aguadilla, Puerto Rico. Two additional FWS teams are awaiting deployment.

**DOI Emergency Support Function (ESF) Support**

**ESF #9 (Search and Rescue)**

- **ESF #9 – National Park Service (NPS):** The NPS member to the Federal Search and Rescue Coordination Group (FSARCG) arrived and is operational at the FEMA Headquarters.

**ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 3 and 4 departed Orlando on Friday morning for Puerto Rico on a contract flight, but a problem with the plane caused the teams to land in Miami, Florida. The teams stayed overnight in Miami and were scheduled to depart for Puerto Rico at 8:00 a.m. this morning.

**DOI Bureau and Office Reporting:**

**National Park Service Maria Update**

*Source: National Park Service – September 22, 2017*

The NPS continues priorities for life safety, support for life saving, and employee accountability. Power and communications challenges continue on all of the islands in the Caribbean. The Incident Management Team (IMT) is planning the transport of additional supplies to Puerto Rico via a boat that is being loaded in Florida. The trip will take over 70 hours and will be scheduled pending port availability in Puerto Rico. The following Caribbean park updates have been provided by the NPS:

- **Christiansted National Historic Site:** NPS is reporting that the park is closed, and all employees are accounted for.



- Virgin Islands National Park: A total of 45 out of 49 employees are accounted for at the park, and the park remains closed. The NPS Northeastern Region Special Events Team is sheltering at a hospital in St. John and has potable water and internet from this location. Vandalism to a generator, which allows for water purification for the NPS, was reported early on Friday. An attempt to scavenge parts from the generator may have resulted in the generator becoming immobilized. The local park is trying to identify a replacement and is working to get water purification established. There are commodities in San Juan which will be transported to St. John when ferry service resumes.
- San Juan National Historic Site: A total of 50 out of 96 employees are accounted for at the park, and the park remains closed. Initial assessments are underway, and the fort itself sustained minor damages such as broken windows and other issues. No structural issues were identified. The NPS picked up two pallets of food and one pallet of water at a FEMA distribution point and transported the items to the Incident Command Post (ICP) at the park. Six pallets of food and seven pallets of water were scheduled to be picked up yesterday to support operations and employees on the island. This food and water will be moved to staff, families, and workers at St John, St Thomas, and St Croix once conditions allow. Logistics is working on acquiring diesel fuel, if available, on the island. There are approximately two days of fuel remaining in the generators, which are the only source of power at this time.

The park has offered land to establish a point of distribution from the fort to support humanitarian efforts. Locations and a general layout were provided to FEMA on September 22 for consideration. A Critical Incident Stress Management (CISM) team is working with park employees and families as employee assistance is a priority at this time.

For communications, the park is attempting to repair a downed repeater onsite. Updated messaging for a public service announcement on Puerto Rico was provided to an AM broadcast station which is still functioning on the island. The message advises local staff to not feel pressured to physically report to work if conditions are unsafe.

### **U.S. Fish and Wildlife Service (FWS) Maria Update**

Source: National Park Service – September 22, 2017

As of September 22, the FWS has accounted for 39 of the 61 FWS personnel in Puerto Rico and the U.S. Virgin Islands. Power and communications challenges continue on all of the islands in the Caribbean. The following FWS teams have deployed or are preparing for deployment:

- FWS Team #1: The four-person team arrived in Aguadilla, Puerto Rico yesterday via a Customs and Border Protection flight. The team consists of three FWS Office of Law Enforcement (OLE) agents and one Conservation Law Enforcement Officer (CLEO). The team is working to obtain helicopter transport to the Island of Vieques.
- FWS Team #2: FWS has coordinated with the DOI FEMA Desk for this five-person team to depart today for Puerto Rico. This departure is tentative at this time. The team consists of three Refuge Law Enforcement Officers and two incident management personnel.
- FWS Team #3: FWS has coordinated with the DOI FEMA Desk for this six-person team to depart tomorrow for Puerto Rico. This departure is tentative at this time. The team consists of four Refuge Law Enforcement Officers, one paramedic, and one Incident Commander.

FWS personnel at the Vieques National Wildlife Refuge made contact with the Mayor of Vieques. The Mayor reported that they are having trouble with communications with the Governor's office and asked the FWS Refuge Manager to report up their communication channels that the Vieques government is out of food and water. FWS has coordinated for FEMA, via the DOI FEMA Desk/Liaison, to conduct a 1A-Life Saving Mission. Department of Defense water and Meals Ready to Eat (MREs) will be air-sling load dropped for the island population of 4,600. The drop was scheduled to occur last night or this morning. FWS Vieques personnel have arranged for a point of distribution (POD). The POD has been used by locals for previous aid drops, and FWS law enforcement teams will provide security for the POD location.

### **United States Geological Survey (USGS) Geospatial Support on Dam Failure in Puerto Rico**

*Source: United States Geological Survey – September 22, 2017*

The USGS has added a Dam Fail Event to the [USGS Event Support Viewer](#) for the situation at the Guajataca Dam in northwestern Puerto Rico. Please select the above link to view the product.

### **Other Federal and State Government Reporting:**

#### **Puerto Rico and U.S. Virgin Islands Response Update**

*Source: FEMA Senior Leadership Brief and DHS National Infrastructure Coordinating Center – September 22-23, 2017*

As of September 22, the majority of the 25,000 customers on St. Croix remain without power. A September 21 report indicated that 99-percent of St. Thomas remains without power and 100-percent of St. John is without power. St. Croix was expected to reenergize the power plant and some switchgear yesterday. The Puerto Rico Electric Power Authority (PREPA) is reporting that nearly 100-percent of its customers are without power, with the exception of facilities running on generators. Significant flooding and debris is severely limiting the ability of responders to safely conduct damage assessments. The Department of Energy is coordinating with FEMA and industry partners on mutual aid for Puerto Rico and the transport of crews from the New York Power Authority to support damage assessments.

The United States Coast Guard (USCG), the U.S. Army Corps of Engineers (USACE), and the National Oceanic and Atmospheric Administration (NOAA) are conducting damage assessments to the ports in the U.S. Virgin Islands. The USCG reported yesterday that the Krause Bay in St. Croix, the Limetree Bay in St. Croix, the East and West Greggerie Channel in St. Thomas, and the Crown Bay Terminal pier and channel in St. Thomas are open with restrictions. All other ports in Puerto Rico and the U.S. Virgin Islands are closed. A rough survey of the Port of San Juan was conducted by the USCG yesterday, and no significant obstructions were noted. An overflight of the San Juan Harbor revealed the presence of flotsam and debris. The USCG is planning to airlift a port survey team from a USCG cutter to San Juan to conduct a port survey.

Initial Disaster Information Reporting System reports confirm commercial communications in Puerto Rico and the U.S. Virgin Islands have suffered significant damage. There is minimal wireless coverage at this time, and restoration efforts are planned to resume when physical access allows and repair equipment arrives. The St. Croix 9-1-1 Center building is compromised, without power, and cannot receive any calls or transmit any service requests. Public safety land mobile radio, via trunked systems, is down in St. Croix, and first responders are without communications. Service repair is pending the arrival of commercial providers. Two Public Safety Answering Points (PSAPs) on St. Croix and St. Thomas are also not operational and pending repairs. There have been 350 satellite phones requested for first responders. Twenty-five Mobile Emergency Response Support (MERS) personnel, with vehicles and equipment, are staged for deployment to Puerto Rico, and 16 MERS personnel and equipment are staged for deployment to the U.S. Virgin Islands. People are having trouble reaching the PSAPs in Puerto Rico due to wireless and wireline outages. PSAPs in Puerto Rico are operating on generator power.

There are 100,000 meals and 72,000 liters of water scheduled to arrive on two flights today to St. Croix. Four additional flights are scheduled to bring an additional 50,000 meals and 36,000 liters of water tomorrow. In St. Thomas, 1,100,000 meals are scheduled to arrive today, as well as a Federal Aviation Administration (FAA) Mobile Air Traffic Control Tower and FAA equipment. Three to five additional contract carriers are expected to bring 33,000 meals each tomorrow. A total of 924,000 liters of water, 199,000 meals, 6,000 cots, and 31 generators are scheduled to arrive to San Juan today.

### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 23, 2017*

#### **FEMA Headquarters:**

- National Response Coordination Center (NRCC): Level I (24/7)
- National Watch Center (NWC): Steady State
- National Incident Management Assistance Teams (IMATs): East-1 (Florida); East-2 (Puerto Rico Caribbean Area Division); West-Texas Emergency Operations Center (EOC)
- Urban Search and Rescue (US&R): Red Incident Support Team (IST), Virginia-Task Force (TF)1 & 2, Florida-TF1 & 2, Massachusetts -TF1, and California-TF6 at Puerto Rico

#### **FEMA Regions:**

- Liaison Officers (LNOs) deployed to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to Puerto Rico: Region II IMAT C
- IMATs deployed to U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1 and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

#### **State/Territory/Local:**

- U.S. Virgin Islands and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Tennessee EOC at Monitoring
- Florida and Mississippi EOC at Partial Activation

#### **Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials  
 Select Individuals/Interagency  
 DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18f-17

**Subject:** Hurricane Maria

**Date:** September 23, 2017

**Time:** 6:00 p.m. EDT

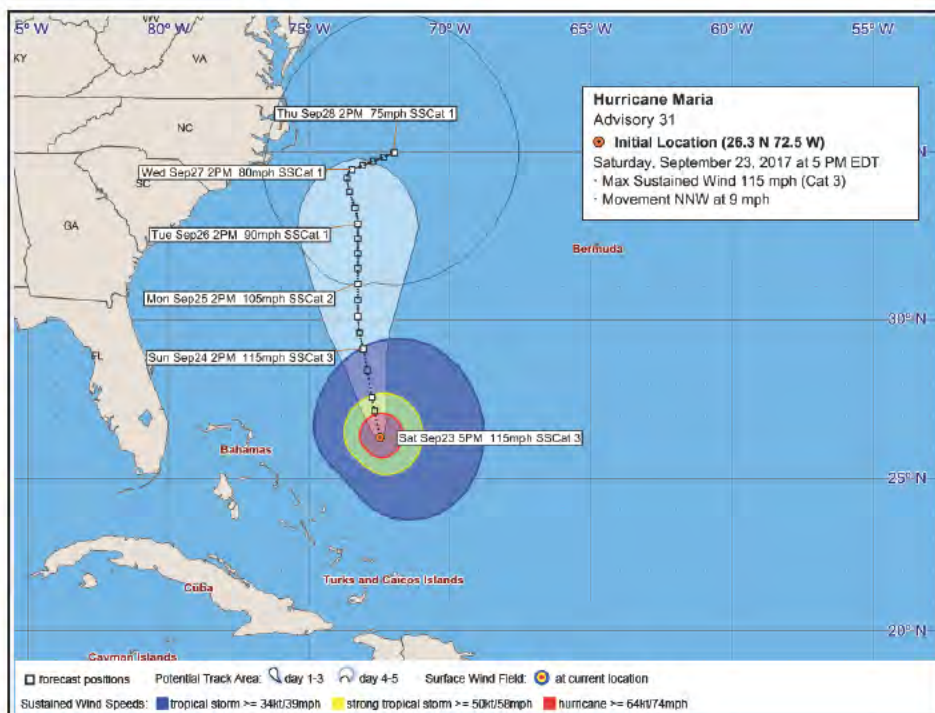
**Location:** Atlantic Ocean

**Update:** Update #6

### Hurricane Maria

#### General Situation

**Source:** *National Weather Service/National Hurricane Center – September 23, 2017*



HURREVAC Image

At 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 640 miles southeast of Cape Hatteras, North Carolina and moving to the north-northwest at 9 miles per hour (mph). The northward motion with a decrease in forward speed is forecast to continue through Monday. Maria remains a category 3 hurricane with maximum sustained winds near 115 mph. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 240 miles. Interests along the Carolina and Mid-Atlantic coasts should monitor the progress of Maria. Tropical storm or hurricane watches may be needed for a portion of the eastern seaboard on Sunday.

The National Weather Service (NWS) continues to warn that the Flash Flood Emergency continues for the municipalities of Isabella and Quebradillas due to the imminent failure of the Guajataca Dam in northwestern Puerto Rico. A dam failure would result in life-threatening flash flooding downstream on the Rio Guajataca, and media reports indicate that mass evacuations have been initiated.

**DOI Mission Assignments as of September 23, 2017:**

There is currently a total of 96 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 96					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R.					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> All team members for DOI MARIA QRTs 1 and 2 are safe and accounted for. Both QRTS fully engaged in support of DMAT and USAR missions. USAR missions were primarily recon oriented in order to conduct damage assessments of hospitals, infrastructure, and towns that needed assistance. Search and rescue missions were also conducted.					
DOI MARIA QRT 3 and DOI MARIA QRT 4 have arrived in Puerto Rico.					
DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19 25 - BLM					
DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19 FWS Refuge - 13 BLM - 4 NPS - 4 OIG - 2 OLES - 1					

## DOI MARIA QRT 3:

13 - BLM  
 7 - USPP  
 3 - OLES  
 2 - NPS  
 1 - OIG

## DOI MARIA QRT 4:

14 - BIA/Tribal

Office of Law  
 Enforcement &  
 Security

PR

4

FWS is also coordinating for FEMA a 1A-Life Saving Mission. A 4 person FWS Office of Law Enforcement team landed today via Custom Border Patrol flight in Aguadilla, Puerto Rico. Two additional FWS teams are awaiting deployment.

**DOI Emergency Support Function (ESF) Support****ESF #13 (Public Safety and Security)**

- **ESF #13 - Office of Law Enforcement and Security (OLES):** DOI Maria Quick Response Teams (QRTs) 3 and 4 have arrived in Puerto Rico. QRTs 1 and 2 are safe, accounted for, and fully engaged in support of DMAT and USAR missions. Teams have participated in 17 missions since last report. Teams assisted in several welfare checks and met with community leaders; secured propane for hotel and checked on hotel family members. QRT 1 and 2 also assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling. They supplied support to secure equipment for sanitation issues, assisted in Toa Baja with the flooding situation and rescued local Mayor's secretary. They assisted in the recovery of a FEMA team whose vehicle was disabled and continued to assess fuel sites.

**DOI Bureau and Office Reporting:****National Park Service Maria Update**

*Source: National Park Service (NPS) – September 23, 2017*

The NPS continues priorities for life safety, support for life saving operations, and employee accountability. Communications remain a challenge. San Juan has picked up the rest of the water and MREs from FEMA and now has 5,400 meals and 8 pallets of water. The priority now is transport for distribution on Saint John, Saint Thomas and Saint Croix. The Critical Incident Stress Management (CISM) team has met with all relocated Virgin Islands (VIIS) and San Juan National Historic Site (SAJU) employees and family members at the Sheraton Hotel. Fuel is becoming more of an issue; NPS plans to shut down all but one generator at their compound for now. If needed, the park will siphon fuel from other generators until other fuel sources can be identified. Teams are preparing for arrival of a motor vessel (M/V) from the Dry Tortugas, which may depart in the next day or two after being loaded. SAJU is trying to identify a docking location and diesel supply line. The M/V is to go on to Christiansted and Virgin Islands.

The following Caribbean park updates have been provided by the NPS:

- **Christiansted National Historic Site:** NPS is reporting that the park is closed, and all employees are accounted for.

- Virgin Islands National Park: 45 out of 49 employees are accounted for at the park, and the park remains closed.
- San Juan National Historic Site: A total of 73 out of 96 employees are accounted for at the park, and the park remains closed.

### U.S. Fish and Wildlife Service (FWS) Maria Update

Source: National Park Service – September 23, 2017

As of September 23, the FWS has accounted for 40 of the 61 FWS personnel in Puerto Rico and the U.S. Virgin Islands. The FWS is coordinating with DOI FEMA Desk Liaison to complete a 1A - Life Saving Mission in Vieques. This mission is in response to local officials request for urgent assistance. Officials report that the Vieques government is out of food and water. An air-sling load drop of meals and water is scheduled for September 23 to help provide immediate assistance to the island population of 4,600. FWS resources in Vieques have established a Point of Distribution (POD), and will provide support and security when operations are initiated. FWS continues to coordinate with the DOI FEMA Desk to fly teams to Puerto Rico on a FEMA-approved lifesaving and life-sustaining mission airlift. The following FWS teams have deployed or are preparing for deployment:



DOI-NRCC Desk graphic

- FWS Team #1: This team is scheduled to depart September 23 with four law enforcement officers and two incident management personnel.
- FWS Team #2: The team consists of four Refuge Law Enforcement Officers one paramedic, and one Incident Commander. Departure is pending due to issues with flight availability.

### United States Geological Survey (USGS)

Source: United States Geological Survey – September 23, 2017

USGS reports that of the 30 personnel on Puerto Rico sheltering in place, 17 are accounted for. Efforts are ongoing to contact the remaining USGS personnel. Names and address of unaccounted employees were provided to DOI to assist in SAR operations. As the USGS makes positive contact with employees, their names are sent to the NRCC DOI desk to be removed from the SAR list. Employee accountability,

acquisition of fuel for generators, water and food for staff are the Bureau's current priorities. No personnel are on the U.S. Virgin Islands.

### **Office of the Chief Information Officer (OCIO)**

*Source: OCIO SITREP – September 23, 2017*

OCIO reports five DOI sites without network service due to Hurricane Maria. Ten Plum cases for emergency communications were ordered at the request of the NPS-EIMT; four units are in transit, the other six are being sources from the vendor. An additional NPS order for satellite phones is working through the NPS Radio Office. Florida, Puerto Rico, and the U.S. Virgin Islands have requested four Very Small Aperture Terminal (VSATs), scheduled to be delivered for distribution from Homestead, Florida on September 25. A Broadband Global Area Network (BGAN) satellite service is scheduled for delivery today, September 23. The additional bandwidth upgrade for the USGS Water Science Center in San Juan has been completed.

### **Office of Law Enforcement (OLES) Update**

*Source: Office of Law Enforcement – September 23, 2017*

The FEMA ESF-13 Branch Chief has requested DOI to roster additional personnel for Maria rotations. ESF-13 expects that this will be an extended duration mission. ESF-13 wants to begin swapping out teams on the ground in Puerto Rico and US Virgin Islands as early as next week. OLES requests all bureaus and offices provide potential availability for next week, as well as teams available 2-4 weeks out.

Temporary housing for QRTs will be moved to Fort Buchanan (Army Garrison, Puerto Rico) and to a cruise ship at some point. Lodging and food supplies are minimal. The ESF13 team acquired forty vehicles for new QRTs on the way to Puerto Rico. Refueling and cell phone communication are still presenting challenges in Puerto Rico; however, AT&T cell service seems to work, but not Verizon.

### **Other Federal and State Government Reporting:**

#### **Federal Emergency Management Agency**

*Source: FEMA Hurricane Maria Reunification Assistance – September 22, 2017*

Information is published [FEMA's public website](#) to assist individuals looking for friends and family affected by Hurricane Maria. As communications are restored, there are numerous options for survivors, friends, and family members to search for loved ones. Survivors with internet access are encouraged to connect with friends and family members via social media platforms. Additional resources below are suggested for those both outside and inside the impacted areas.

#### **American Red Cross**

The American Red Cross [Safe and Well website](#) allows individuals to register themselves as safe or search for loved ones. The site is always available, open to the public, and available in [English](#) and [Spanish](#).

There are a number of ways to use this service:

- Registrations and searches can be done directly on the [website](#).
- Registrations can also be completed by texting SAFE to 78876. Messages exist in both Spanish and English.



- To speak with someone at the American Red Cross concerning a missing friend or relative who has a *serious, pre-existing health or mental health condition*, please contact 1-800 Red Cross (1-800-733-2767).

The American Red Cross [Emergency App](#) features an “I’m Safe” button that allows users to post a message to their social accounts. The app can be downloaded free in app stores by searching for “American Red Cross” or by texting ‘GETEMERGENCY’ to 90999.

### Information for Tourists

Any tourists requiring transport off the islands should contact the U.S. Virgin Islands Department of Tourism at (340) 772-0357 or visit [www.usviupdate.com/](http://www.usviupdate.com/) for additional information. The Puerto Rico Tourism Company has set up a hotline at 877-976-2400 for people staying at hotels.

### Local Resources

The [Puerto Rico Federal Affairs Administration](#) directed those seeking information or assistance to call 202-800-3133 or email [marial@prfaa.pr.gov](mailto:marial@prfaa.pr.gov). Additional information for the U.S. Virgin Islands is available at the following locations:

- [Vialert.gov](http://Vialert.gov)
- [USVIupdate.com](http://USVIupdate.com)
- [InformUSVI.com](http://InformUSVI.com)

### **United States Coast Guard (USCG)**

*Source: [HOMEPOR- Port Status Information Page – September 23, 2017](#)*

San Juan and U.S. Virgin Islands Port Status Update:

Port	Status	Comments	Date Last Changed
PR, SAN JUAN	Open – with restrictions	Daylight Transit Only	09/23/2017
ST CROIX, KRAUSE LAGOON	Open – with restrictions	Daylight transits only; Vessels drafting less than 45 ft.	09/23/2017
ST CROIX, LIMETREE BAY	Open – with restrictions	Daylight transits only; Vessels drafting less than 45 ft.	09/23/2017
ST THOMAS, EAST GREGGERIE CHANNEL	Open – with restrictions	Daylight transit only, VIPA-Homeport Pier, VIPA-Sandfill, WAPA, Tropical Shipping, Crowley	09/22/2017
ST THOMAS, WEST GREGGERIE CHANNEL	Open – with restrictions	Daylight transit only, VIPA-Homeport Pier, VIPA-Sandfill, WAPA, Tropical Shipping, Crowley	09/22/2017

All other ports in PR/USVI are closed to commercial traffic unless specifically authorized by the Captain of the Port (COTP) San Juan.

**Distribution:**

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DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18g-17

**Subject:** Hurricane Maria

**Date:** September 24, 2017

**Time:** 8:00 a.m. EDT

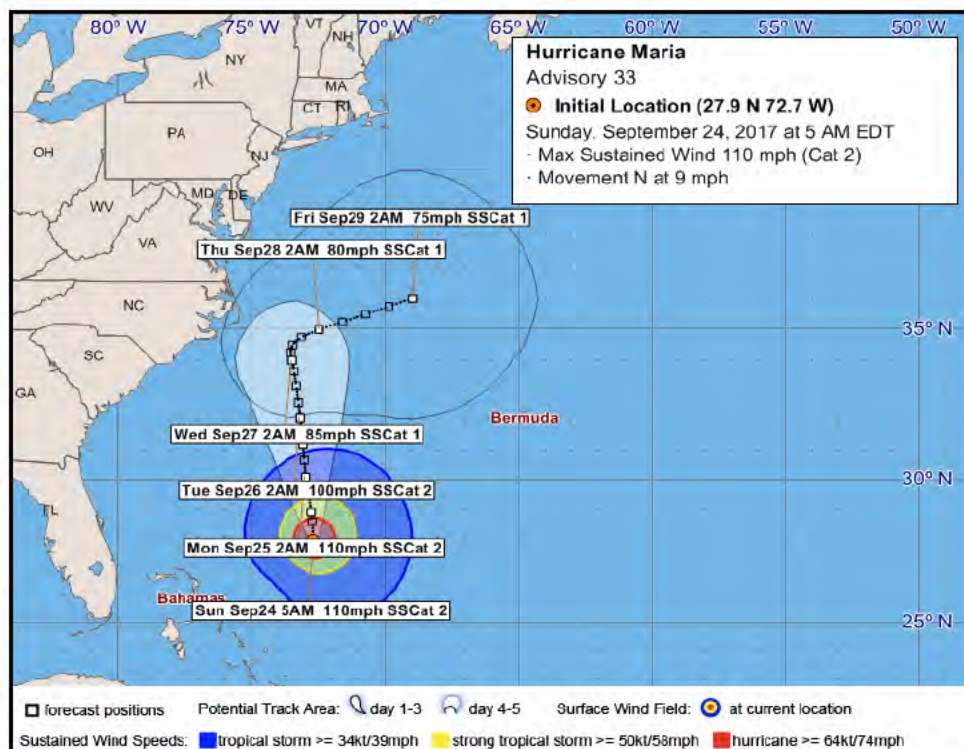
**Location:** Atlantic Ocean

**Update:** Update #7

### Hurricane Maria

#### General Situation

**Source:** *National Weather Service/National Hurricane Center – September 24, 2017*



HURREVAC Image

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 530 miles to the south-southeast of Cape Hatteras, North Carolina and moving to the north at 9 miles per hour (mph). This general motion is expected to continue through Monday. On the forecast track, the core of Maria will be moving well east of the United States southeastern coast during the next 2 days. Maria is a category 2 hurricane with maximum sustained winds near 110 mph. Some fluctuations in intensity are likely during the next day or so. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 240 miles.

There are no coastal watches or warnings in effect at this time, but interests along the Carolina and mid-Atlantic coasts should monitor the progress of Maria. Tropical storm or hurricane watches may be needed for a portion of the eastern seaboard today. Swells generated by Maria are increasing along portions of the southeastern United States coast and Bermuda and will be increasing along the mid-Atlantic coast today. Swells also continue to affect Puerto Rico, the Virgin Islands, the northern coast of Hispaniola, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.

### **DOI Mission Assignments as of September 24, 2017:**

There is currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b>Total number of DOI Personnel Supporting Maria ESFs: 92</b>					
<b>ESF</b>	<b>OFFICE</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>CODES</b>
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R.					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> QRTs 1 and 2 are fully engaged in support of DMAT and USAR missions. Teams have participated in 17 missions since last report: Assisted in several welfare checks and met with community leaders; secured propane for hotel; checked on hotel family members; assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling; secured equipment for sanitation issues; assisted in Toa Baja with flooding situation and rescued local Mayor's secretary; assisted in the recovery of FEMA team whose vehicle was disabled; continued to assess fuel sites.					
DOI MARIA QRT 3 and DOI MARIA QRT 4 -arrived in Puerto Rico 9/23.					

DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19  
25 - BLM

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
FWS Refuge - 13  
BLM - 4  
NPS - 4  
OIG - 2  
OLES - 1

DOI MARIA QRT 3: Arrived in Puerto Rico 9/23.  
13 - BLM  
7 - USPP  
3 - OLES  
2 - NPS  
1 - OIG

DOI MARIA QRT 4: Arrived in Puerto Rico 9/23.  
14 - BIA/Tribal

## **DOI Emergency Support Function (ESF) Support**

### **ESF #9 (Search and Rescue)**

- **ESF #9 – National Park Service (NPS):** One NPS employee is supporting the Federal Search and Rescue Coordination Group (FSARCG) at FEMA Headquarters. As of September 23, there are no unmet needs for DOI supporting this mission.

## **DOI Bureau and Office Reporting:**

### **National Park Service Maria Update**

**Source:** *National Park Service (NPS) – September 23, 2017*

The NPS continues to conduct employee accountability at San Juan and St. John and is preparing to support additional needs in the Caribbean. Critical resource needs include food, water, fuel, generator parts, and communications equipment. Supplies have been requested and will be traveling to the impacted parks by air and boat in the coming days, but travel and logistical difficulties are delaying the process. Communications remain unreliable and extremely limited, and the heavy rain has made areas susceptible to mudslides. Extreme heat indices are creating difficult work conditions.

The following Caribbean park updates have been provided by the NPS:

- **Christiansted National Historic Site:** The park continues to report 100-percent accountability. The most recent Incident Status Summary (ICS-209) indicates that the generator is operational at the park.
- **Virgin Islands National Park:** The NPS ICS-209 for September 23 indicates that the park has 100-percent accountability. The park received enough diesel fuel to top off the generator, but did not receive enough to fill the remaining fuel storage containers. The park can support a small team of skilled laborers to help with structure repair and has an outstanding generator order with an estimated arrival of October 31. In addition to the U.S. Virgin Islands Police Department, the NPS Special Events Team (SET) is the only law enforcement on the island. A mud slide is reportedly blocking the main road across the island.

- *San Juan National Historic Site:* The NPS ICS-209 for September 23 indicates that 77 out of 96 employees at the park are accounted for. Accountability efforts continue with efforts to visit the last known locations of employees to confirm that they are okay. These efforts will continue as conditions allow. The park is reporting that internet service has been restored, and all of the fuel is accounted for throughout the park. Hazardous trees are blocking access to Pigeon Park.

### **U.S. Fish and Wildlife Service Maria Update**

Source: U.S. Fish and Wildlife Service (FWS) and NRCC DOI Liaison – September 23-24, 2017

As of 8:00 p.m. EDT on September 23, the FWS has accounted for 46 out of the 61 FWS personnel in Puerto Rico and the U.S. Virgin Islands. Efforts are underway to locate an employee assigned to the Culebra National Wildlife Refuge (NWR) who remains unaccounted for. A FWS Region 4 Federal Wildlife Officer (FWO) was able to contact Puerto Rican Department of Natural and Environmental (DNER) Commonwealth Rangers on Culebra, and the DNER Rangers initiated search and rescue (SAR) efforts. Preliminary welfare checks at the employee's primary residence were not successful, and efforts are underway to check additional known alternate/family residences in the mountain area within the region.

The FWS has made six aviation resources available for Federal response efforts. This includes three Kodiak 100 Amphibian aircraft, two Partenavia P68C aircraft, and one Cessna 206 Amphibian aircraft. All aviation platforms are available to provide cargo, reconnaissance, and passenger capabilities. Additionally, confirmation was received this morning that the food and water shipment has been delivered to Vieques at the FWS point of distribution (POD).

The following FWS teams have deployed or are awaiting deployment:

- *FWS Team #1:* The team comprised of 4 FWS personnel arrived in Puerto Rico on September 22 and had an opportunity to speak, via satellite phone, with FWS's Principal Deputy Director. The team provided descriptive accounts of the extensive damage to infrastructure, hazardous travel conditions, and the identification of specific needs necessary to provide support. This includes the need for additional saw crews, more vehicles for reconnaissance and welfare checks, and the increasing need for additional food and water for the affected population throughout the island. The team's priority has been employee accountability and welfare checks, and they been conducting joint operations with the U.S. Secret Service and assisting in employee checks and accountability for both agencies.
- *FWS Team #2 & FWS Team #3:* Efforts to deploy FWS's Team 2 (6 personnel), via a FEMA flight, were unsuccessful. The FEMA chartered flight was overbooked and Team 2 returned to the FWS Atlanta's Regional Office. FWS's Team 3 (5 personnel) arrived throughout the day and began merging personnel and equipment with Team 2. FWS will try to deploy both Team 2 and Team 3 as an 11 member Type-3 IMT on a FEMA chartered flight today. If the FEMA flight option is canceled, efforts will be made to find and implement a workaround utilizing a chartered flight or FWS aircraft.

### **Other Federal and State Government Reporting:**

#### **Federal Emergency Management Agency Situational Update**

Source: FEMA Senior Leadership Briefing – September 24, 2017

The failure of the Guajataca Dam in northwestern Puerto Rico does not appear to be imminent; however, a physical inspection by dam safety experts is required to verify if any true dam safety concerns exist. There is

concern regarding a possible impact to Highway 22, which is the main perimeter road around Puerto Rico and the main supply route from San Juan to western municipalities in Puerto Rico. The U.S. Army Corps of Engineers is sending two dam safety engineers to assess the Guajataca Dam, and they are currently scheduled to travel on September 24. The National Weather Service has continued the Flash Flood Warning for areas downstream of the dam.

The following critical infrastructure updates have been provided by FEMA as of September 24 at 5:00 a.m. EDT:

- *Airport Status:* Puerto Rico has five airports open, with one for commercial air and two restricted to military and humanitarian flights only. St. Thomas has established a functional mobile air traffic control tower allowing for 24-hour operations at the airport. St. Croix crews have re-energized the airport, which is being utilized for military and humanitarian flights.
- *Roads:* In Puerto Rico, five bridges have been reported as damaged, three of which are along major routes. The Department of Transportation reports that they will not have reliable road status updates until September 25 or 26. Landslides and washouts have damaged some road systems; however, the exact number is unknown due to communication problems. Trees and power poles are down and obstructing roadways.
- *Communication Systems:* The Federal Communications Commission (FCC) Disaster Information Reporting System (DIRS) reports commercial communication systems throughout the Caribbean islands have sustained significant damage, severely hindering search, rescue, and recovery efforts, including 911 services. A total of 350 satellite phones have been requested for first responders in the region. Teams and equipment have been mobilized to the Caribbean to begin restoration of communication systems.
- *Logistics:* Fuel has become a high priority and is running low in many areas. The U.S. Department of Defense (DOD) Defense Logistics Agency (DLA) is coordinating the delivery of 103 additional generators, 124,000 gallons of diesel fuel, and 50,000 gallons of gasoline. DLA is supporting all fuel distribution plans for Puerto Rico and the US Virgin Islands. Seven ships are scheduled to arrive between September 23 and October 1 in Puerto Rico and the US Virgin Islands, which will provide nearly 6,000 berthing's for responders. Over 1.6 million meals and over 600,000 liters of water have been shipped to the U.S. Virgin Islands. Over 900,000 liters of water, 6,000 cots, and numerous generators have been delivered to Puerto Rico. A new feeding mission has been developed for the USVI and Puerto Rico providing 6 million meals per day for Puerto Rico and 210,000 meals per day for the USVI.
- *Electrical Energy:* Puerto Rico Electric Power Authority (PREPA) reports near 100% of customers are without powers on Puerto Rico. There is sufficient diesel fuel to run generators for critical facilities, however, debris and traffic jams are slowing the delivery of fuel. Damage assessments to the power infrastructure are underway in Puerto Rico. A shipment of 1,300 electrical poles is expected to arrive in St. Thomas on September 28 to rebuild the electrical infrastructure.

### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 24, 2017*

FEMA Headquarters:

- National Response Coordination Center (NRCC): Level I (24/7)
- National Watch Center (NWC): Steady State

- National Incident Management Assistance Teams (IMATs): East-1 (Florida); East-2 (Puerto Rico Caribbean Area Division); West-Texas Emergency Operations Center (EOC)
- Urban Search and Rescue (US&R): Red Incident Support Team (IST), Virginia-Task Force (TF)1 & 2, Florida-TF1 & 2, Massachusetts -TF1, and California-TF6 at Puerto Rico

**FEMA Regions:**

- Liaison Officers (LNOs) deployed to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to Puerto Rico: Region II IMAT C
- IMATs deployed to U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1 and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

**State/Territory/Local:**

- U.S. Virgin Islands and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Tennessee EOC at Monitoring
- Florida and Mississippi EOC at Partial Activation

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Maria and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk





# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18g-17

**Subject:** Hurricane Maria

**Date:** September 24, 2017

**Time:** 8:00 a.m. EDT

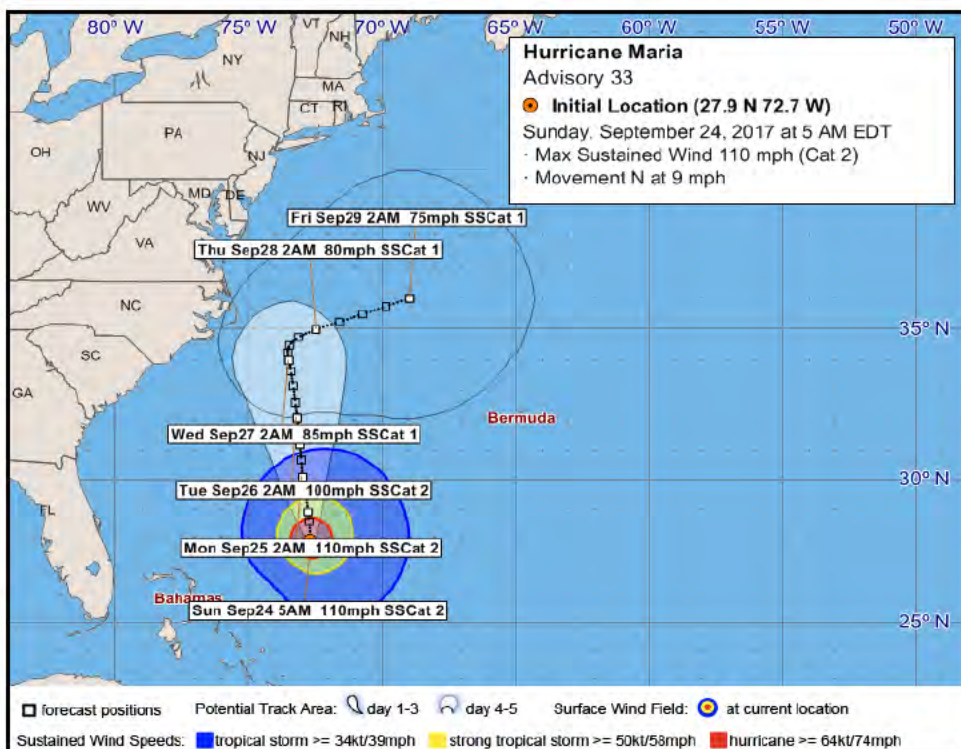
**Location:** Atlantic Ocean

**Update:** Update #7

### Hurricane Maria

#### General Situation

**Source:** *National Weather Service/National Hurricane Center – September 24, 2017*



HURREVAC Image

At 5:00 a.m. EDT, the center of Hurricane Maria was located approximately 530 miles to the south-southeast of Cape Hatteras, North Carolina and moving to the north at 9 miles per hour (mph). This general motion is expected to continue through Monday. On the forecast track, the core of Maria will be moving well east of the United States southeastern coast during the next 2 days. Maria is a category 2 hurricane with maximum sustained winds near 110 mph. Some fluctuations in intensity are likely during the next day or so. Hurricane-force winds extend outward up to 60 miles from the storm's center, and tropical storm-force winds extend outward up to 240 miles.

There are no coastal watches or warnings in effect at this time, but interests along the Carolina and mid-Atlantic coasts should monitor the progress of Maria. Tropical storm or hurricane watches may be needed for a portion of the eastern seaboard today. Swells generated by Maria are increasing along portions of the southeastern United States coast and Bermuda and will be increasing along the mid-Atlantic coast today. Swells also continue to affect Puerto Rico, the Virgin Islands, the northern coast of Hispaniola, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.

### **DOI Mission Assignments as of September 24, 2017:**

There is currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b>Total number of DOI Personnel Supporting Maria ESFs: 92</b>					
<b>ESF</b>	<b>OFFICE</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>CODES</b>
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<b>Description:</b> Support SILC position activation at the National Response Coordination Center (NRCC).					
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<b>Description:</b> One person from NPS to serve on the FSARCG at FEMA HQ for US&R.					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description:</b> Provide Law Enforcement Support for ESF-8 and ESF-9.					
<b>Location Description:</b> QRTs 1 and 2 are fully engaged in support of DMAT and USAR missions. Teams have participated in 17 missions since last report: Assisted in several welfare checks and met with community leaders; secured propane for hotel; checked on hotel family members; assisted with water rescue and searches; coordinated with National Guard; assessed damage from west to south; west coast recon to Isabelle and coordinated with local mayor and assisted in the evacuation of 8 residences that were in danger of dam that was over spilling; secured equipment for sanitation issues; assisted in Toa Baja with flooding situation and rescued local Mayor's secretary; assisted in the recovery of FEMA team whose vehicle was disabled; continued to assess fuel sites.					
DOI MARIA QRT 3 and DOI MARIA QRT 4 -arrived in Puerto Rico 9/23.					

DOI MARIA QRT 1, OPERATIONAL SEPTEMBER 19  
25 - BLM

DOI MARIA QRT 2, OPERATIONAL SEPTEMBER 19  
FWS Refuge - 13  
BLM - 4  
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DOI MARIA QRT 3: Arrived in Puerto Rico 9/23.  
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14 - BIA/Tribal

## **DOI Emergency Support Function (ESF) Support**

### **ESF #9 (Search and Rescue)**

- **ESF #9 – National Park Service (NPS):** One NPS employee is supporting the Federal Search and Rescue Coordination Group (FSARCG) at FEMA Headquarters. As of September 23, there are no unmet needs for DOI supporting this mission.

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The following Caribbean park updates have been provided by the NPS:

- **Christiansted National Historic Site:** The park continues to report 100-percent accountability. The most recent Incident Status Summary (ICS-209) indicates that the generator is operational at the park.
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Source: U.S. Fish and Wildlife Service (FWS) and NRCC DOI Liaison – September 23-24, 2017

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### **Other Federal and State Government Reporting:**

#### **Federal Emergency Management Agency Situational Update**

Source: FEMA Senior Leadership Briefing – September 24, 2017

The failure of the Guajataca Dam in northwestern Puerto Rico does not appear to be imminent; however, a physical inspection by dam safety experts is required to verify if any true dam safety concerns exist. There is

concern regarding a possible impact to Highway 22, which is the main perimeter road around Puerto Rico and the main supply route from San Juan to western municipalities in Puerto Rico. The U.S. Army Corps of Engineers is sending two dam safety engineers to assess the Guajataca Dam, and they are currently scheduled to travel on September 24. The National Weather Service has continued the Flash Flood Warning for areas downstream of the dam.

The following critical infrastructure updates have been provided by FEMA as of September 24 at 5:00 a.m. EDT:

- *Airport Status:* Puerto Rico has five airports open, with one for commercial air and two restricted to military and humanitarian flights only. St. Thomas has established a functional mobile air traffic control tower allowing for 24-hour operations at the airport. St. Croix crews have re-energized the airport, which is being utilized for military and humanitarian flights.
- *Roads:* In Puerto Rico, five bridges have been reported as damaged, three of which are along major routes. The Department of Transportation reports that they will not have reliable road status updates until September 25 or 26. Landslides and washouts have damaged some road systems; however, the exact number is unknown due to communication problems. Trees and power poles are down and obstructing roadways.
- *Communication Systems:* The Federal Communications Commission (FCC) Disaster Information Reporting System (DIRS) reports commercial communication systems throughout the Caribbean islands have sustained significant damage, severely hindering search, rescue, and recovery efforts, including 911 services. A total of 350 satellite phones have been requested for first responders in the region. Teams and equipment have been mobilized to the Caribbean to begin restoration of communication systems.
- *Logistics:* Fuel has become a high priority and is running low in many areas. The U.S. Department of Defense (DOD) Defense Logistics Agency (DLA) is coordinating the delivery of 103 additional generators, 124,000 gallons of diesel fuel, and 50,000 gallons of gasoline. DLA is supporting all fuel distribution plans for Puerto Rico and the US Virgin Islands. Seven ships are scheduled to arrive between September 23 and October 1 in Puerto Rico and the US Virgin Islands, which will provide nearly 6,000 berthing's for responders. Over 1.6 million meals and over 600,000 liters of water have been shipped to the U.S. Virgin Islands. Over 900,000 liters of water, 6,000 cots, and numerous generators have been delivered to Puerto Rico. A new feeding mission has been developed for the USVI and Puerto Rico providing 6 million meals per day for Puerto Rico and 210,000 meals per day for the USVI.
- *Electrical Energy:* Puerto Rico Electric Power Authority (PREPA) reports near 100% of customers are without powers on Puerto Rico. There is sufficient diesel fuel to run generators for critical facilities, however, debris and traffic jams are slowing the delivery of fuel. Damage assessments to the power infrastructure are underway in Puerto Rico. A shipment of 1,300 electrical poles is expected to arrive in St. Thomas on September 28 to rebuild the electrical infrastructure.

### **Federal Emergency Management Agency Activation Update**

*Source: FEMA National Situation Report – September 24, 2017*

FEMA Headquarters:

- National Response Coordination Center (NRCC): Level I (24/7)
- National Watch Center (NWC): Steady State

- National Incident Management Assistance Teams (IMATs): East-1 (Florida); East-2 (Puerto Rico Caribbean Area Division); West-Texas Emergency Operations Center (EOC)
- Urban Search and Rescue (US&R): Red Incident Support Team (IST), Virginia-Task Force (TF)1 & 2, Florida-TF1 & 2, Massachusetts -TF1, and California-TF6 at Puerto Rico

**FEMA Regions:**

- Liaison Officers (LNOs) deployed to Florida, Georgia, Alabama, and Seminole Tribe of Florida EOCs
- IMATs deployed to Puerto Rico: Region II IMAT C
- IMATs deployed to U.S. Virgin Islands: Region II IMAT A, Region II IMAT B, and Region X IMAT
- IMATs deployed to Florida: Region IV IMAT 1 and Region I IMAT
- IMATs deployed to Georgia: Region IV IMAT 2

**State/Territory/Local:**

- U.S. Virgin Islands and Puerto Rico EOCs at Full Activation
- Seminole Tribe of Florida and two Miccosukee Tribe EOCs at Full Activation
- Tennessee EOC at Monitoring
- Florida and Mississippi EOC at Partial Activation

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Maria and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18i-17

**Subject:** Hurricane Maria

**Date:** September 25, 2017

**Time:** 6:00 p.m. EDT

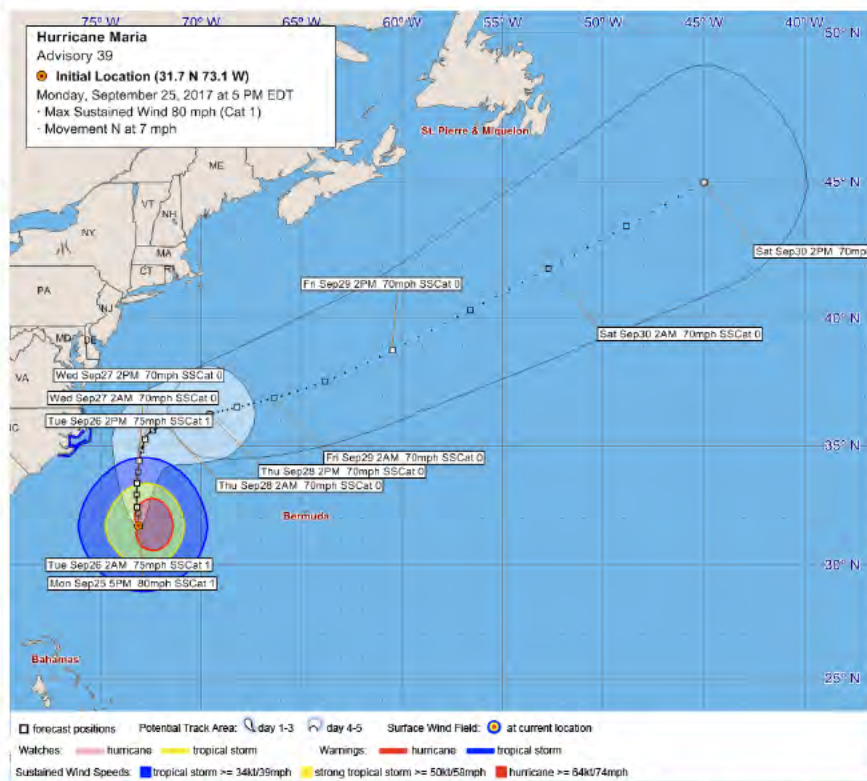
**Location:** Atlantic Ocean

**Update:** Update #9

### Hurricane Maria

#### General Situation

Source: *National Weather Service/National Hurricane Center – September 25, 2017*



As of 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 280 miles to the south-southeast of Cape Hatteras, North Carolina, and moving north at 7 miles per hour (mph). This general motion, with a decrease in forward speed, is expected through Tuesday night. A turn toward the north-northeast is expected Wednesday. On the forecast track, the center of Maria will pass east of the coast of North Carolina, during the next few days. Maria has maximum sustained winds near 80 mph, with higher gusts. Gradual weakening is forecast during the next couple of days, and Maria is forecast to become a tropical storm Tuesday night or Wednesday. Hurricane-force winds extend outward up to 105 miles from the storm's center, and tropical storm-force winds extend outward up to 205 miles.

A Tropical Storm Warning is in effect from Bogue Inlet, North Carolina to the North Carolina and Virginia border, as well as from Albemarle, Virginia to Pamlico Sounds, North Carolina. A Storm Surge Watch is in effect from Cape Lookout to Duck, North Carolina.

Maria is expected to produce total rainfall accumulations of 1 to 2 inches over the Outer Banks of North Carolina through Wednesday. Large swells generated by Maria are affecting much of the east coast of the United States, from Florida through southern New England. These swells are also affecting Bermuda, Puerto Rico, the northern coast of Hispaniola, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.

**DOI Mission Assignments as of September 25, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
<b>Description: Support SILC position activation at the National Response Coordination Center (NRCC).</b>					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
<b>Description: One person from NPS to serve on the FSARCG at FEMA HQ for US&amp;R.</b>					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
<b>Description: Provide Law Enforcement Support for ESF-8 and ESF-9.</b>					
DOI MARIA QRT 1: Operational September 19 25 - BLM					



DOI MARIA QRT 2: Operational September 19  
 FWS Refuge - 13  
 BLM - 4  
 NPS - 4  
 OIG - 2  
 OLES - 1

DOI MARIA QRT 3: Operational September 23  
 13 - BLM  
 7 - USPP  
 3 - OLES  
 2 - NPS  
 1 - OIG

DOI MARIA QRT 4: Operational September 23  
 14 - BIA/Tribal

### **DOI Emergency Support Function (ESF) Support**

#### **ESF #13 (Public Safety and Security)**

*Source: ESF #13 - Office of Law Enforcement and Security (OLES)*

- Quick Response Teams (QRTs) continue to support Urban Search and Rescue (USAR), Disaster Medical Assistant Teams (DMAT), and force protection missions. Within the local communities, fuel supplies are running low and causing tempers to flare. Supermarkets and stores are slowly starting to open. Some illness being reported based on water conditions. Three QRT members became ill with allergies and stomach issues, all of which were treated by the BLM medical unit and have returned to duty.
- Teams have participated in 40 missions since their arrival. The teams provided the following support during the last operational period:
  - assisted with welfare checks and met with community leaders;
  - provided security to U.S. Army Corps of Engineers personnel assessing dams;
  - assessed three medical facilities and seven hospitals;
  - provided escorts to National Guard members;
  - responded to reported mudslide north of Ponce where five people were reported missing;
  - rescued an elderly women in need of dialysis from Ponce;
  - provided support to an air USAR mission and landed in the Coamo area where a bridge had washed away and 17 people were stranded (people were in need of water and gas);
  - assisted with the air medical evacuation to San Juan of an elderly female in a Vieques hospital who was suffering from gangrene;
  - assisted a male on dialysis in the flooded area of Tao Baja;
  - relocated a pregnant woman and her five children to a safe area; and
  - located a missing elderly couple.

**DOI Bureau and Office Reporting:****National Park Service (NPS)**

*Source: NPS Update – September 25, 2017*

**Personnel Status:**

- Christiansted employee accountability is 100% in St Croix and 100% in St. John.
- There are 96 employees in Puerto Rico, and 90 have been accounted for. NPS is working with assets on the ground to do wellness checks, going to the last known location of remaining six personnel.

**Response Activities:**

- The Incident Command Post (ICP) is at Discovery Center in San Juan. Additional staff (3) arrived today with communications equipment via commercial air.
- A meeting with all employees was held yesterday to discuss Critical Incident Stress Management (CISM) and employee support. The CISM Spanish speaking team leader arrived.
- Boat operations to move staff from St. John to Puerto Rico. Return trip will include fuel/water supplies for staff in St John.
- Fuel and power are still limiting factors for operations.
- Security of all sites is a challenge, and the Fort in San Juan has seen a few looting attempts.
- Conference call was held to discuss protecting cultural/historic resources
- NPS working with USCG and local government to coordinate local supplies/commodities distribution.
- Secured space for 20 USGS employees in the Fort for tents for housing.
  - USGS updated and said they only 10 USGS employees using this option.
- The 110-foot MV Fort Jefferson, normally used to transport staff and supplies to Dry Tortugas National Park, has been loaded with over 24 tons of supplies and equipment for national parks in the Caribbean following Hurricanes Irma and Maria. The vessel departed today and will make the 78-hour trip from Key West to the Caribbean national parks this week.
  - On Sunday, September 24, EIMT logistics personnel loaded over 20 pallets of food, water, fuel, and generators on the vessel. Three National Park Service boat crewmembers along with four Law Enforcement Rangers will accompany the shipment to the Caribbean. The boat is transporting supplies and resources to Virgin Islands National Park on the island of St. John and Christiansted National Historic Site on the island of St. Croix.
  - In addition to transporting supplies for the National Park Service, the vessel is also transporting six pallets of supplies for the U.S. Fish and Wildlife Service. The agency has employees on the Caribbean Islands, who normally work at three National Wildlife Refuges. The two agencies have worked closely through Hurricanes Irma and Maria on stabilization, cleanup, and recovery efforts.

**U.S. Fish and Wildlife Service (USFWS)**

*Source: USFWS Update – September 25, 2017*

**Personnel Status:**

- USFWS has accounted for 57 out of 61 personnel in Puerto Rico and the U.S. Virgin Islands
  - The 4 remaining personnel are in remote islands of Vieques and Culebra.

Response Activities:

- Working three options to get additional personnel into theater (FEMA, commercial, and contract flights).
- Conducting damage assessment at Parrot Aviary; and there is significant damage to the infrastructure. The forest around the Aviary is no longer, and there was a landslide on the road leading to the Aviary.
- Looking to activate helo and kodiak assets, and coordinating fueling options for their engagement.

**United States Geological Survey (USGS)**

*Source: USGS Update – September 25, 2017*

Personnel Status:

- USGS has a total of 31 people on Puerto Rico (30 duty stationed and 1 mainland arrival)
  - 29 of 30 individuals stations on Puerto Rico have been accounted for as of 11:00 EDT on September 25
  - One staff member was injured, but is in stable condition, after falling off their home roof
  - Two personnel flew to Puerto Rico today, one duty stationed in Puerto Rico and returned, and one is the Caribbean-Florida Water Science Center (CFWSC) Director that joined staff in Puerto Rico
  - USGS secured MREs and bottled water from FEMA Caribbean Distribution Center on September 24.
  - USGS received approval for delivery of generator diesel in PR - awaiting delivery.
  - USGS received approval and instructions for filling GOVs at the fuel distribution center at the Puerto Rico Convention Center.
- USGS has no personnel on the US Virgin Islands.
- USGS has a coordinated information and data website at: <https://www.usgs.gov/maria>.

USGS Impacted Facilities:

- The CFWSC office in Puerto Rico is closed to the public until further notice. GSA granted daily access for employees to rally and to prioritize work moving forward.
- 50 gages are offline due to loss of communications and/or damage. USGS is coordinating with U.S. Army Corps of Engineer and the National Weather Service (NWS) to prioritize gages for repair.

USGS Response Activities:

- Information from deployed sensors available on the USGS Flood Event viewer at: <https://stn.wim.usgs.gov/FEV/#MariaSeptember2017>
- The CFWSC is prioritizing gages for repair, and coordinating with USACE and NWS on streamflows associated with high interest reservoirs/dams.
- The USGS Geospatial Support Activities has posted new NOAA imagery on the [USGS Event Support Mapper for Maria](#).
- The Coastal and Marine Science Center is issuing Coastal Change Forecasts for North Carolina and Virginia based on NOAA Storm Surge Forecasts at this [link](#). They are also publishing operational total water level forecasts at selected coastal locations from [Florida to Maine](#).
- The USGS Landslide Hazards Program reports that heavy rainfall from Hurricane Maria likely caused widespread landslides and debris flows in the mountainous areas of Puerto Rico. Confirmation and identification of landslide impacts awaits availability of eyewitness accounts and satellite and other imagery
- The USGS Earthquake Hazards Program is monitoring the status of the Puerto Rico Seismic Network (PRSN). Several supporting seismic stations are offline in the Virgin Islands and the PRSN is currently offline due to lack of communications because of Hurricane Maria impacts. The National Earthquake Information Center is backing up earthquake monitoring for the region. The Global

Seismographic Network (GSN) station on Barbuda remains offline and assumed severely damaged/destroyed by Hurricane Irma. The GSN station in San Juan is currently off-line.

**Bureau of Reclamation (BOR)**

*Source: BOR Update – September 25, 2017*

BOR is providing the U.S. Army Corps of Engineers (USACE) documents related to design, risk analysis, and inspection for multiple dams and facilities located in Puerto Rico. While Reclamation does not own, manage, or operate any dams or facilities in Puerto Rico, the bureau has conducted numerous studies, reviews, and technical assignments on the island over many years. BOR's Dam Safety Office is in direct communication with USACE staff supporting Puerto Rico's government and dam operating entities.

**Office of the Chief Information Officer (OCIO)**

*Source: OCIO Update – September 25, 2017*

OCIO reports six DOI sites remain without network service due to Hurricane Maria. A Broadband Global Area Network (BGAN) satellite service has been moved to the NPS EIMT in Homestead, FL. Orders placed for satellite phones and very small aperture terminals (VSAT).

**Office of Environmental Policy and Compliance (OEPC)**

*Source: OEPC Update – September 25, 2017*

ESF #11, Protecting Natural, Cultural, and Historical Properties (NCH), communicated with the NPS Grants Division on communicating with the State Historic Preservation Officers (SHPOs) on Puerto Rico and U.S. Virgin Islands. NPS interacts routinely with the SHPOs. ESF #11 NCH is working with a variety of NGO organizations to understand the impact and likely critical issues facing cultural resources that require a timely response. ESF #11 NCH is also trying to reach out to natural resource agencies (including Puerto Rico's Department of Natural and Environmental Resources) to begin to identify impacts to natural resources.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Maria and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

Report Number: DOI-OEM-SPOTREP-18j-17

Subject: Tropical Storm Maria

Date: September 26, 2017

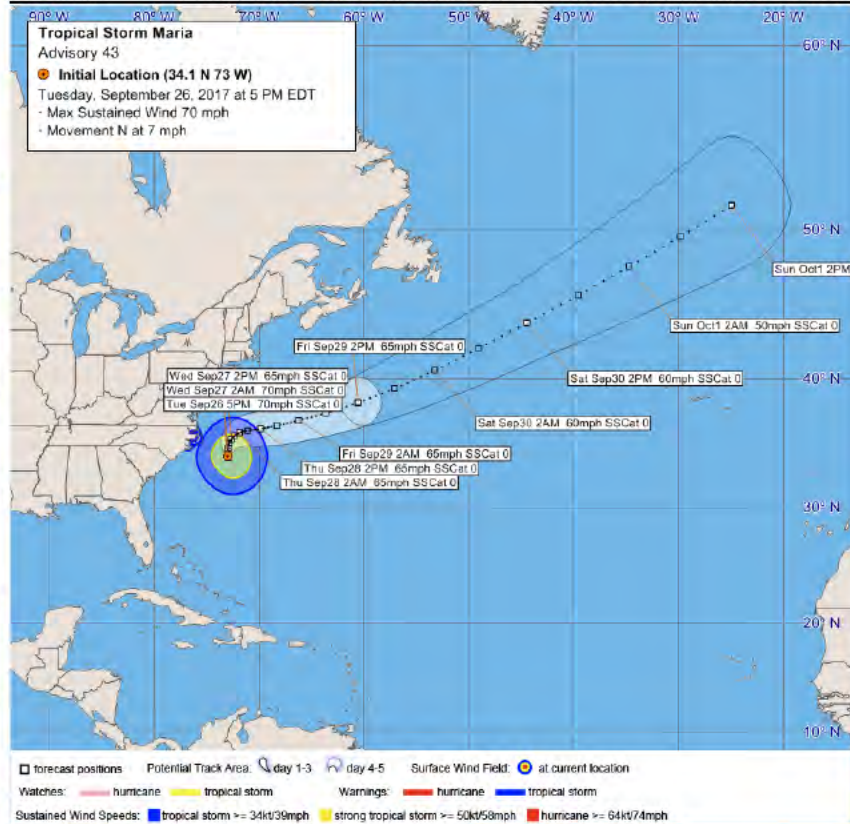
Time: 6:00 p.m. EDT

Location: Atlantic Ocean

Update: Update #10

### General Situation

Source: National Weather Service/National Hurricane Center – September 26, 2017



As of 5:00 p.m. EDT, the center of Tropical Storm Maria was located approximately 160 miles to the east-southeast of Cape Hatteras, North Carolina, and moving north at 7 miles per hour (mph). This general motion, with a decrease in forward speed, is expected through tonight. A turn toward the north-northeast is expected on Wednesday, and a turn to the east-northeast is anticipated Thursday. On the forecast track, the center of Maria will pass east of the coast of North Carolina during the next day or so. Maria has maximum sustained winds near 70 mph, with higher gusts. Some slight weakening is forecast during the next day or two. Tropical storm-force winds extend outward up to 230 miles from the center.

A Tropical Storm Warning is in effect from Bogue Inlet, North Carolina to the North Carolina and Virginia border, as well as from Albemarle, Virginia to Pamlico Sounds, North Carolina. A Storm Surge Watch is in effect from Cape Lookout to west of Ocracoke Inlet and from north of Cape Hatteras to Duck, North Carolina.

Maria is expected to produce total rainfall accumulations of 1 to 2 inches over the Outer Banks of North Carolina, through Wednesday. Large swells generated by Maria are affecting Bermuda, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions.

**DOI Mission Assignments as of September 26, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

Total number of DOI Personnel Supporting Maria ESFs: 92					
ESF	OFFICE	LOCATION	AMOUNT	PERSONNEL	CODES
5	OEM	FEMA HQ	\$15,000	2	9/5/2017 4337DR-FL-DOI-01
Description: Support SILC position activation at the National Response Coordination Center (NRCC).					
9	NPS	FEMA HQ	\$10,000	1	9/20/2017 MA: 1509-240274
Description: One person from NPS to serve on the FSARCG at FEMA HQ for US&R.					
13	Office of Law Enforcement & Security	PR	\$7,269,245	89	MA#3388EM-FL-USDJ-01
Description: Provide Law Enforcement Support for ESF-8 and ESF-9.					
DOI MARIA QRT 1: Operational September 19 25 - BLM					

DOI MARIA QRT 2: Operational September 19  
 FWS Refuge - 13  
 BLM - 4  
 NPS - 4  
 OIG - 2  
 OLES - 1

DOI MARIA QRT 3: Operational September 23  
 13 - BLM  
 7 - USPP  
 3 - OLES  
 2 - NPS  
 1 - OIG

DOI MARIA QRT 4: Operational September 23  
 14 - BIA/Tribal

### **DOI Emergency Support Function (ESF) Support**

#### **ESF #13 (Public Safety and Security)**

*Source: ESF #13 - Office of Law Enforcement and Security (OLES) – September 26, 2017*

- ESF #13 Mission Overview: 242 Federal Law Enforcement Officers (FLEOs) are in Puerto Rico. This total includes 51 FLEOs supporting ESF #9 (Search and Rescue), 64 FLEOs supporting ESF #8 (Public Health and Medical Services), 44 FLEOs conducting other federal operational support (FOS) missions, and 83 FLEOs in ready reserve. Twenty-five ESF #13 personnel are supporting the incident, including 11 at Forward Operating Base (FOB) Orlando and 14 in San Juan.
- ESF #13 requested to roster additional teams in anticipation of direct Federal assistance support being requested by the Governor, and in anticipation of the demobilization rotation of teams on the ground. There is no anticipated deployment date for these teams, but anticipate they would not be deployed before early next week. OLES requests that Bureau and Offices identify available personnel, and signify if they have any personnel that speak Spanish.

### **DOI Bureau and Office Reporting:**

#### **National Park Service (NPS)**

*Source: NPS Update – September 26, 2017*

#### **Personnel Status:**

- All NPS employees have been accounted for. This afternoon, the NPS working with the Situation Unit at the Incident Management Team and through the efforts of the Federal Search and Rescue Coordination Group (FSARCG), the NPS has full accountability of all employees in the Caribbean after Hurricane Maria.

#### **Response Activities:**

- NPS units are preparing for impacts from Maria along the Outer Banks of North Carolina. Affected parks will be closing and will likely remain closed through Thursday.

- NPS transported 22 personnel from St. John to Puerto Rico, and the return flight included 1 pallet each of food and water back to St. John.
- Priority is to move in reinforcements for law enforcement support.
- There are 13 personnel at the Sheraton in Puerto Rico. They have been asked to vacate the premises due to unsafe conditions (lack of power). They will be moving to the NPS HQ office in San Juan as a temporary solution.
- Enough fuel to power generators for approximately 4-5 days.
- A vessel departing St. John to St. Croix is moving food, water, chainsaws, and 1 team member tomorrow.
- St. John personnel are now able to acquire food and water from the local PODs.
- The 110-foot MV Fort Jefferson, normally used to transport staff and supplies to Dry Tortugas National Park, was loaded with over 24 tons of supplies and equipment for national parks in the Caribbean following Hurricanes Irma and Maria. The vessel departed yesterday and is making the 78-hour trip from Key West to the Caribbean national parks this week.
- NPS reports that at the U.S. Virgin Islands Governor press conference, it was noted commercial flights will begin at the Cyrile E. King Airport in St. Thomas on Thursday, September 28. Attempts will be made to reopen the airport in St. Croix sometime next week, but no date was provided yet. Additionally, the Governor noted that the Virgin Islands Water and Power Authority is aiming to have 90% of the territory powered by Christmas.

#### **U.S. Fish and Wildlife Service (USFWS)**

*Source: USFWS Update – September 26, 2017*

##### Personnel Status:

- 58 of 61 USFWS personnel in Puerto Rico and U.S. Virgin Islands are accounted for. The names of the three remaining personnel have been sent to FEMA to coordinate with ESF #9 for assistance in locating the individuals.

##### Response Activities:

- A four person team completed life and wellness checks in Cabo Rojo, and planned on being in San Juan this morning. They are sharing the point of distribution information with personnel in the area.
- USFWS is establishing an Incident Management Team (IMT) and 14 additional personnel will augment operations. These personnel are scheduled to leave today. This team will consist of 10 LEOs and four incident management specialists.
- A two person team (LEOs) is departing for Aguadilla today.
- Cabo Rojo NWR is working with the local companies to accept promissory notes for fuel and other purchases.

#### **United States Geological Survey (USGS)**

*Source: USGS Update – September 26, 2017*

##### Personnel Status:

- All USGS personnel in Puerto Rico are accounted for (1 deployed, 30 stationed). There are no USGS personnel in the U.S. Virgin Islands.
- Two USGS employees were injured off-duty and are in good condition.

##### USGS Impacted Facilities:



- The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed to the public until further notice. GSA granted daily access for employees to rally and to prioritize work moving forward
  - Limited site visits for damage assessments and repairs continue as resources allow.
  - USGS is also hosting NPS personnel to stage the NPS Incident Command at the CFWSC office.

Response Activities:

- USGS secure MREs and bottled water from FEMA on September 24, and received a delivery of generator diesel today.
- USGS has been working closely with FEMA about filling government vehicles at the FEMA fuel distribution center, after originally being turned away.
- There are 60 surface water, groundwater, and precipitation gages offline due to loss of communications and/or damage. USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the NWS to prioritize gages for repair. Two gages were repaired yesterday, September 25.

**Office of the Chief Information Officer (OCIO)**

Source: OCIO Update – September 26, 2017

OCIO reports that all but two sites are back on line.

**Office of Environmental Policy and Compliance (OEPC)**

Source: OEPC Update – September 26, 2017

Natural and Cultural Resources Recovery Support Function (NCR RSF) – Puerto Rico and U.S. Virgin Islands

- The Office of Environmental Policy and Compliance represented the Natural and Cultural Resources Recovery Support Function at an initial meeting of all the RSFs organized by the Federal Disaster Recovery Coordinator for Region II to prepare Recovery Incident Strategic Plans for Puerto Rico and U.S. Virgin Islands. These strategic plans will lay out goals and objectives for the recovery effort and will validate those findings with local leadership on Puerto Rico and the U.S. Virgin Islands, prior to the deployment of additional support staff to assist recovery efforts on the Islands. This effort will last for a total of 30 days and will be supported through a mission assignment (forthcoming).

ESF #11 Natural, Cultural Resources and Historic Properties (NCH) – Puerto Rico and U.S. Virgin Islands

- ESF #11 NCH communicated with the NPS Grants Division on communicating with the State Historic Preservation Officers (SHPOs) on Puerto Rico and U.S. Virgin Islands. NPS interacts routinely with the SHPOs. ESF #11 NCH is working with a variety of NGO organizations to understand the impact and likely critical issues facing cultural resources that require a timely response. ESF #11 NCH is also trying to reach out to natural resource agencies (including Puerto Rico's Department of Natural and Environmental Resources) to begin to identify impacts to natural resources.

**Other Federal and State Government Reporting**

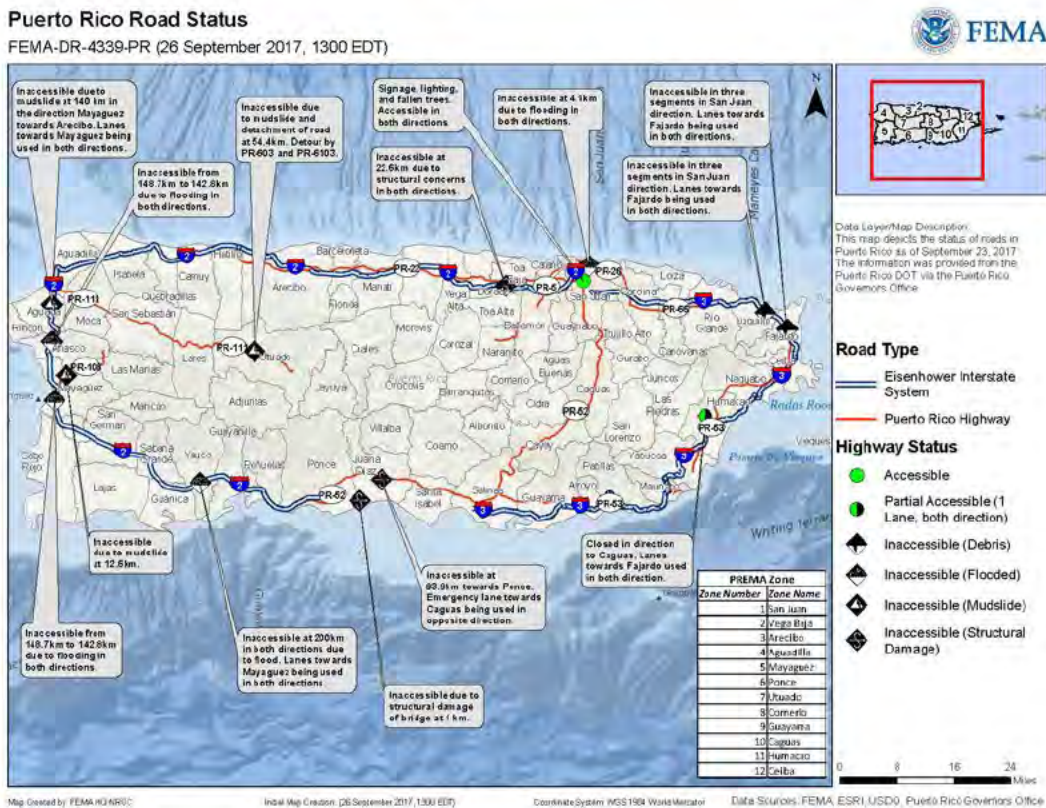
**National Response Coordination Center – DOI Liaison**

Source: NCRCC DOI – September 26, 2017

- Coordinated USGS logistics requests for fuel provisions and FedEx service for supplies.
- USFWS has law enforcement staff that is attempting to fly to Puerto Rico, passing through several countries. The NRCC DOI desk requested State Department to contact the Regional Security Officer (RSO) of each country’s Embassy to advise them of this occurrence. The Department of State Liaison Officer formally submitted the request to the Department of State for action with the following countries: Bahamas, Turks & Caicos, and Dominican Republic.
- Providing information to ESF #9 on three unaccounted for USFWS employees, so that information is available as crews conduct broader searches.
- Provided information on inquiry from Representative Jim Cooper (TN-5) regarding USFWS deployment difficulties.

**Federal Emergency Management Agency (FEMA) Puerto Rico Road Status**

Source: FEMA NRCC Desk – September 26, 2017



**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Hurricane Maria and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

Distribution:

Assistant Secretaries

Bureau Heads

Deputy Assistant Secretaries

EM Coordinators and Alternates

EM-ICAT

EM-Incident Support Team

EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency

DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

Report Number: DOI-OEM-SPOTREP-18k-17

Subject: Hurricane Maria

Date: September 27, 2017

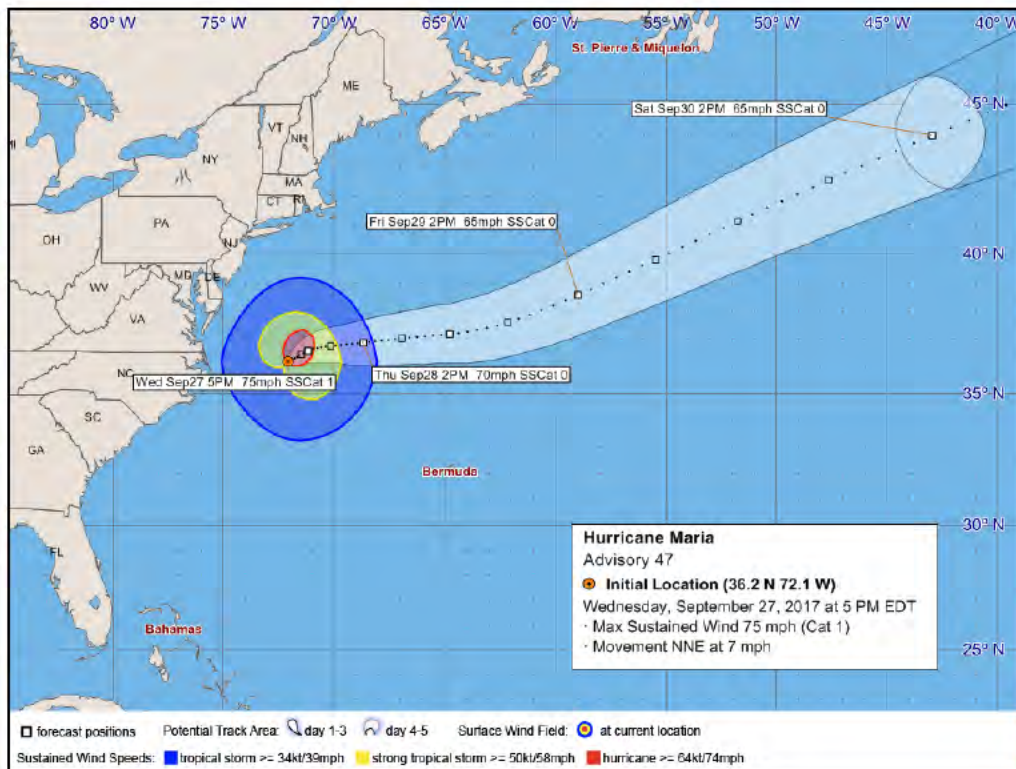
Time: 6:00 p.m. EDT

Location: Atlantic Ocean

Update: Update #11

### General Situation

Source: National Weather Service/National Hurricane Center – September 27, 2017



Hurrevac Image

As of 5:00 p.m. EDT, the center of Hurricane Maria was located approximately 205 miles to the east-southeast of Cape Hatteras, North Carolina, and moving northeast at 7 miles per hour (mph). This general motion, with an increase in forward speed, is expected through Friday. Maria has maximum sustained winds near 75 mph, with higher gusts. Some slight weakening is forecast by tomorrow afternoon.

A Tropical Storm Warning is in effect from Cape Hatteras, North Carolina to the North Carolina and Virginia border and for the Albemarle and Pamlico Sounds. The National Hurricane Center is forecasting all warnings and watches to be discontinued tonight.

### **DOI Mission Assignments as of September 27, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b><u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u></b>					<b><u>92</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$15,000</b>	<b>2</b>	<b>4337DR-FL-DOI-01</b>
<b>Statement of work (SOW):</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
<b>9</b>	<b>NPS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>1509-240274</b>
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.2M</b>	<b>89</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					

### **DOI Emergency Support Function (ESF) Support**

#### **ESF #13 (Public Safety and Security)**

*Source: ESF #13 - Office of Law Enforcement and Security (OLES) – September 27, 2017*

- All DOI team members are present and accounted for. Present missions center on force protection for urban search and rescue (USAR) and disaster medical assistance team (DMAT) operations. These assignments include static security at hospitals, security assessments of medical and supply facilities/distribution points, welfare checks, and route reconnaissance operations.
- 239 FLEOs on PR, including 50 FLEOs supporting ESF #9; 64 FLEOs supporting ESF #8; 44 FLEOs conducting other federal operational support (FOS) missions, and 81 FLEOs in ready reserve.
- 25 ESF #13 personnel supporting the incident, including 11 at FOB Orlando and 14 in San Juan.
- Additional QRTs from the DOJ will begin arriving tomorrow to conduct direct Federal assistance (DFA) operations.
- Additional missions assisting the San Juan police with static security/fixed post positions are expected.
- The USS Kennedy has arrived in Puerto Rico and will begin billeting FLEOs.
- ESF #13 requested to roster additional teams in anticipation of DFA support being requested by the Governor, and in anticipation of the demobilization rotation of teams on the ground. There is no anticipated deployment date for these teams, but anticipate they would not be deployed before early

next week. OLES requests that Bureau and Offices identify available personnel, and signify if they have any personnel that speak Spanish.

### **DOI Bureau and Office Reporting:**

#### **National Park Service (NPS)**

Source: NPS Update – September 27, 2017

- Cape Lookout National Seashore (CALO): The park is closed until September 28 as the park's Storm plan evacuation protocols were activated due to county-issued Tropical Storm and Surge warnings. All campers have been evacuated from both the North and South Core Banks. The Harkers Island and Beaufort Visitor Centers will remain open for employees to report for work.
- Cape Hatteras National Seashore (CAHA): The park is closed until September 28 and all ferries between Hatteras and Ocracoke Island have ceased operations.
- Other park closures include Fort Raleigh National Historic Site and Wright Brothers National Memorial.
- The M/V Fort Jefferson is still en route to San Juan. But it is still a day and half out. Fuel supply has been arranged through Harbor Bunkering for PR and USVI.
- On St. John, the NPS employees that were denied commodities have been resolved.

#### **U.S. Fish and Wildlife Service (USFWS)**

Source: USFWS Update – September 27, 2017

##### Personnel Status:

- 60 of 61 USFWS personnel are accounted for.

##### Response Activities:

- A six person team is continuing employee welfare checks and delivery of supplies including infant formula to affected employee families.
- Fourteen USFWS employees arrived yesterday as a Type 3 Team via a FEMA flight and are being integrated into ongoing efforts in PR. They will be providing reconnaissance and support to FWS facilities and staff in PR.
- The FWS Kodiak 100 amphibious aircraft scheduled to depart from FL to PR is delayed for departure and will be leaving tomorrow. This aircraft will be used to transport supplies and provide support for distribution to FWS facilities and staff.

#### **United States Geological Survey (USGS)**

Source: USGS Update – September 27, 2017

##### Personnel Status:

- All 32 USGS personnel in Puerto Rico are accounted for. There are no USGS personnel in the U.S. Virgin Islands.

##### USGS Impacted Facilities:

- The Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico is closed to the public until further notice but open to essential personnel.
- 61 surface water, groundwater, and precipitation gages are offline.
  - 67 gages were initially knocked offline due to Maria impacts.
  - 6 gages were repaired on September 26.

- 14 gages were visited for damage assessments on September 26.
- At least 4 gages have been totally destroyed.
- USGS is coordinating with USACE and NWS for prioritizing gages for assessment and repair, as resources allow.
- Government vehicles fueled.

Response Activities:

- Thirteen personnel from the CFWSC are in the field today performing gage damage assessments and repairs, and securing fuel, food, and water.
- The USGS Landslide Hazards Program identified significant landslide activity in the Utuado region of the central mountains of Puerto Rico using overflight imagery and local ground reports. Assessments continue.

**Office of the Chief Information Officer (OCIO)**

Source: OCIO Update – September 27, 2017

- Coordinating with USGS and NPS to create an Incident Command post at the USGS facility at the Fed Center in Guayabo, PR.
- Two sites have been restored - NPS Old San Juan, PR and Ochobee, FL (degraded, but working).
- Logistics for installing very small aperture terminals (VSAT) is requested.
- Working with NPS to find transportation for equipment and installers for the requested communication services.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Maria and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

Distribution:

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
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EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

Report Number: DOI-OEM-SPOTREP-18L-17

Subject: Maria Response and Recovery

Date: September 28, 2017

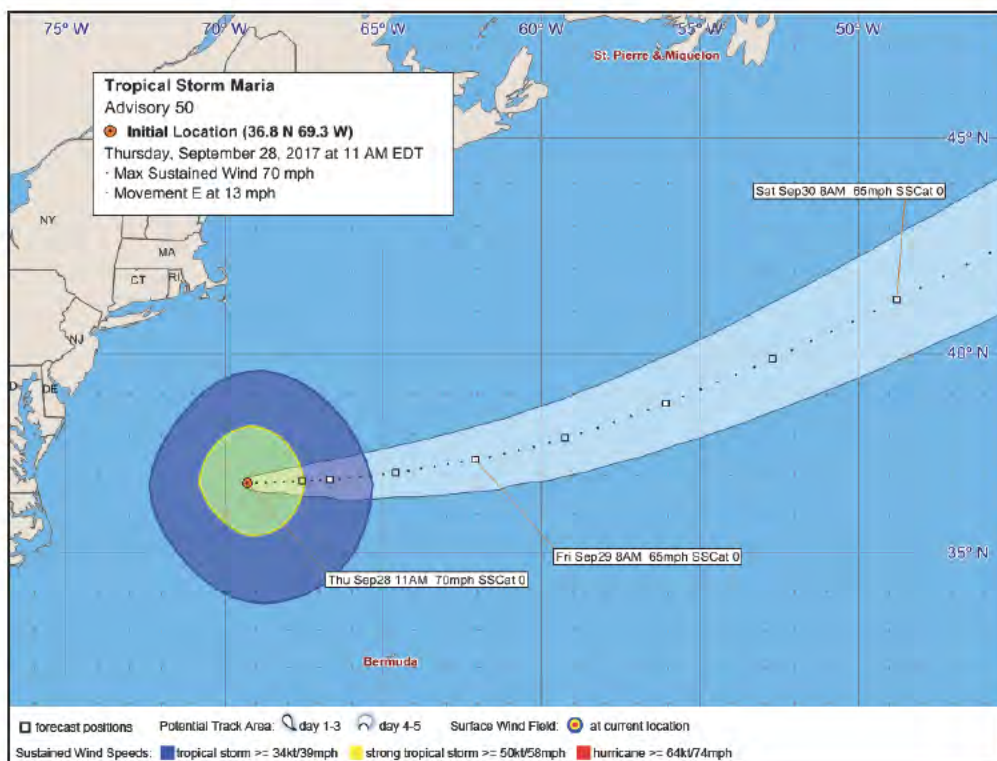
Time: 6:00 p.m. EDT

Location: Atlantic Ocean

Update: Update #12

### General Situation

Source: National Weather Service/National Hurricane Center – September 28, 2017



Hurrevac Image



As of 5:00 p.m. EDT, the center of Tropical Storm Maria was located approximately 365 miles to the east-northeast of Cape Hatteras, North Carolina, and moving east at 13 miles per hour (mph). This general motion, with an increase in forward speed, is expected through Friday. Maria has maximum sustained winds near 70 mph, with higher gusts. There will be no further reporting on Maria as a weather system.

**DOI Mission Assignments as of September 28, 2017:**

There are currently a total of 92 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b>DOI Personnel Supporting MARIA Mission Assignments (MA)</b>					<b>92</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$15,000</b>	<b>2</b>	<b>4337DR-FL-DOI-01</b>
<b>Statement of work (SOW):</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
<b>9</b>	<b>NPS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>1509-240274</b>
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.2M</b>	<b>89</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					

**DOI Emergency Support Function (ESF) Support**

**ESF #13 (Public Safety and Security)**

*Source: ESF #13 - Office of Law Enforcement and Security (OLES) – September 28, 2017*

- All DOI team members are present and accounted for. Present missions center on force protection for urban search and rescue (USAR) and disaster medical assistance team (DMAT) operations. These assignments include static security at hospitals, security assessments of medical and supply facilities/distribution points, welfare checks, and route reconnaissance operations.
- Five (5) team members from DOI Maria Quick Response Team (QRT) 2 are demobilizing today for personal reasons. The charter flight will land in Denver. Demobilizing team members will need to make arrangements for GOVs left in Orlando as necessary.



DOI MARIA QRT 4 team members provide force protection for a DMAT mission to conduct hospital site assessments.

- ESF #13 requested to roster additional teams in anticipation of the demobilization rotation of teams on the ground. There is no anticipated deployment date for these teams, but unlikely before early next week. OLES requests that Bureau and Offices identify available personnel, and signify if they have any personnel that speak Spanish.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS)**

*Source: NPS Update – September 28, 2017*

The Intermountain Incident Management Team (IMT) has transitioned to Homestead, Florida, Eastern IMT is getting ready to deploy to San Juan to coordinate resources already in the field along with incoming resources. There were better conditions for *M/V Fort Jefferson* and the ETA for arrival at the port of San Juan was 4:30 p.m. AST today. Once off-loaded in San Juan, the *M/V Fort Jefferson* will continue to its final destination in the USVI. In the Caribbean, all employees are accounted for and all parks are closed and damage assessments are starting.

- St. John: Most of the park housing has sustained significant damage.
- St. Croix: The issue of commodities has been resolved; NPS was able to get the supplies at the point of distribution.

### **U.S. Fish and Wildlife Service (USFWS)**

*Source: USFWS Update – September 28, 2017*

#### **Personnel Status:**

- All 61 USFWS personnel are accounted for.

#### **Response Activities:**

Team 1, a six member Office of Law Enforcement team, is continuing with employee welfare checks which are going well with additional contacts being made with FWS employee and family members. This team focused on air operations today including delivery of vital supplies to staff that remain without power, and provide assessment of how to distribute food and supplies to rural locations. This team is also continuing to work a request for assistance from Customs and Border Protection (CBP) regarding the evacuation of eight family members from Vieques.

Team 2, a 14 member Type-3 team, continues to provide stabilization of employee housing and assisting the local community in Vieques with the U.S. Coast Guard. A portion of this team is assisting with continued efforts directed at debris removal to gain improved vehicle access in the Rio Grande area where the Puerto Rican Parrot Aviary facility is located. USFWS is assisting with communications between Veterans Affairs and local government on Vieques.

USFWS Aviation resources update:

- Quest Kodiak (amphibian) N736 plans to depart from FL to PR today.
- Cessna 182 (land plane), N865CW plans to depart from FL to PR on September 30.
- Quest Kodiak (land plane) N723 plans to depart from FL to PR on October 1.

**United States Geological Survey (USGS)**

Source: USGS Update – September 28, 2017

USGS Landslides Hazards Program:

- Heavy rain falling on hillsides and mountain creeks and streams impacted by mudslides from Hurricane Maria may generate additional sediment and mudslides. At this time, at least 400 locations are damaged by landslides have been identified in the Lares, Las Marias, San Sebastian, Moca, and Anasco Municipalities. Other mountainous areas of Puerto Rico are likely similarly impacted, but have not been specifically identified. The USGS anticipates releasing information and data associated with these locations on Friday, September 29.

USGS Impacted Facilities:

- USGS is prioritizing gage repairs, starting with those around the dams. Evaluating repair possibilities each day based on fuel availability. Six gages have arrived for deployment.

**Office of Environmental Policy and Compliance (OEPC)**

Source: OEPC Update – September 28, 2017

ESF #11 Natural, Cultural and Historical Properties (NCH):

- Working with NPS and Advisory Council on Historic Preservation. A call has been organized with the State Historic Preservation Officers for Puerto Rico and U.S. Virgin Islands for early next week to discuss damage to cultural resources and how ESF #11 NCH can possibly provide support.
- Coordination with the Coral Reef Task Force on impacts to coral reefs in U.S. Virgin Islands and Puerto Rico. Damage assessments are still coming in and options are being explored on how to address issues as they are identified with coral reefs.

Natural and Cultural Resources Recovery Support Function (RSF)

- The RSF continues to support the development of the Recovery Incident Strategic Plans for Puerto Rico and the U.S. Virgin Islands, respectively. Working to identify outcomes and formulate milestones and goals related to natural and cultural resources.

**Office of the Chief Information Officer (OCIO)**

Source: OCIO Update – September 28, 2017

OCIO continues to coordinate with USGS and NPS to create an Incident Command Post (ICP) at the USGS facility at the Federal Center in Guayabo, PR. Two sites have been restored - NPS Old San Juan, PR and Ochobee, FL (degraded, but working). Logistics for installing very small aperture terminals (VSAT) has been requested. COIO is working with NPS to find transportation for equipment and installers for the requested communication services.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Tropical Storm Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities.

Distribution:

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

Report Number: DOI-OEM-SPOTREP-18m-17

Subject: Maria Response and Recovery

Date: September 29, 2017

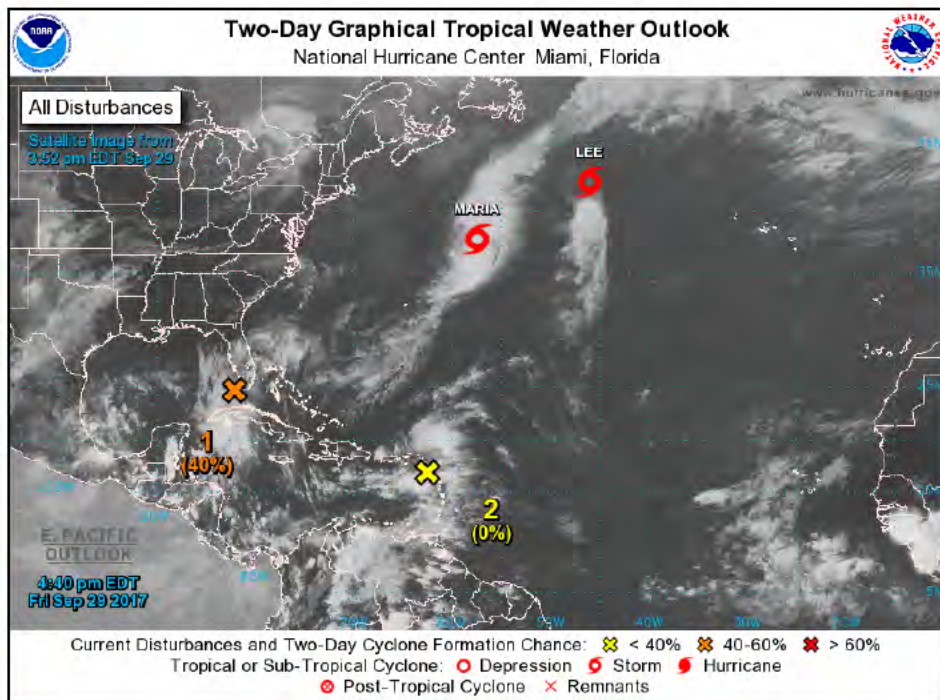
Time: 6:00 p.m. EDT

Location: Atlantic Ocean

Update: Update #13

### General Situation

Source: National Weather Service/National Hurricane Center – September 29, 2017



Disturbance 2, a tropical wave in the Atlantic Ocean, is producing cloudiness and showers over the north-eastern Caribbean Sea and adjacent Atlantic waters. Although there are no signs of organization and surface pressures are not falling at this time, conditions could become more favorable for development next week

while the system moves toward the west-northwest. This system is expected to bring locally heavy rains over the northern Leeward Islands, including Puerto Rico and the U.S. Virgin Islands. This system has a zero percent chance of formation through 48 hours, and approximately 20-percent chance through five days.

### DOI Mission Assignments as of September 29, 2017:

There are currently a total of 159 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b>DOI Personnel Supporting MARIA Mission Assignments (MA)</b>					<b>159</b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>4</b>	<b>DOI</b>	<b>PR</b>	<b>\$4M</b>	<b>71</b>	<b>4339DR-PR-USFS-07</b>
<b>SOW:</b> USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$33,000</b>	<b>2</b>	<b>4340DR-VI-DOI-01</b>
<b>Statement of work (SOW):</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
<b>9</b>	<b>NPS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>1509-240274</b>
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group at FEMA HQ.					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.27M</b>	<b>84</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>PR</b>	<b>\$25,000</b>	<b>1</b>	<b>4339DR-PR-DOI-03</b>
<b>SOW:</b> Field deployment of Department of Interior full-time equivalent staff (initial request for one employee) in support of 4339-DR-PR to serve as planner for the Natural and Cultural Resources Recovery Support Function (RSF) initially standing up in Washington, DC.					

### DOI Emergency Support Function (ESF) Support

#### ESF #13 (Public Safety and Security)

*Source: ESF #13 - Office of Law Enforcement and Security (OLES) – September 29, 2017*

#### DOI ESF #13 Activities:

- All DOI team members are present and accounted for. Present missions center on force protection for urban search and rescue (USAR) and Disaster Medical Assistance Team (DMAT) operations. These assignments include static security at hospitals, security assessments of medical and supply facilities/distribution points, welfare checks, and liaising with local and Federal emergency support counterparts to develop security and response plans going forward.
- Demobilization of teams is expected to begin mid-to-late next week.

- Five (5) team members from DOI Maria Quick Response Team (QRT) 2 were demobilizing yesterday, and arrived in Denver this morning. Demobilized team members will need to make arrangements for GOVs left in Orlando, as necessary.
- ESF #13 requested to roster additional teams in anticipation of the demobilization rotation of teams on the ground. There is no anticipated deployment date for these teams, but their departure is unlikely before early next week. OLES requests that Bureau and Offices identify available personnel, and signify if they have any personnel that speak Spanish.



DOI MARIA QRT 1 team members provide both force protection and humanitarian aid during numerous USAR and DMAT missions throughout Puerto Rico.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS)**

*Source: NPS Update – September 29, 2017*

- Incident Command priorities for St. John include getting roads cleared, water filtration (getting generators to work for water filtration), assessing park housing, and assessing vessels that were damaged in the storm.
- Incident Command priorities for San Juan include establishing a microwave link to USGS, pumping out water, and stabilization.
- MV Fort Jefferson unloaded and refueled, and is traveling to St. John today.

### **U.S. Fish and Wildlife Service (USFWS)**

*Source: USFWS Update – September 29, 2017*

- Team 1, a six member Office of Law Enforcement team, is continuing with employee and employee family welfare checks and delivery of life sustaining supplies as they are available. These efforts have been going well and are in part being supported by the U.S. Customs and Border Protection (CBP). The use of their Blackhawk helicopter has assisted to reach survivors in remote locations that are not currently accessible by land based vehicles.

- Team 2, a 14 member Type 3 team, continues to provide stabilization of employee housing and assisting the local community in Vieques with the U.S. Coast Guard (USCG). A portion of this team is boarding a USCG cutter and bringing needed supplies to Vieques from San Juan. Other team members continue efforts directed at debris removal to gain improved vehicle access in the Rio Grande area where the Puerto Rican Parrot Aviary facility is located. They will also be transferring Puerto Rican Parrots from a temporary facility back to the primary facility at the aviary.
- FWS Aviation resources update:
  - Quest Kodiak (amphibian) N736 arrived yesterday in Puerto Rico.
  - Cessna 182 (land plane) N865CW plans to depart from Florida to Puerto Rico on September 30.
  - Quest Kodiak (land plane) N723 plans to depart from Florida to Puerto Rico on October 1.

### **Office of the Chief Information Officer (OCIO)**

*Source: OCIO Update – September 29, 2017*

OCIO will deploy one team member to San Juan, Puerto Rico tomorrow. The combined force of Irma and Maria disabled 100% of the DOI sites in the region. There are twelve DOI sites with Enterprise Service Network (ESN) circuits in the region, of which, two are back online as of today. Communication remains a serious impediment to getting supplies and relief into the area. The ESN has sourced equipment and service support to overcome these deficits; however, more resources in theater are required to assist with this effort. The ESN has deployed four Plum Cases (an advanced, long range cellular system), 1 satellite phone, 1 cellular router, and one Broadband Global Area Network (BGAN). One pair of point to point wireless Ethernet bridges and four very small aperture terminals (VSAT) (tactical satellite communication system) are on order and ready to deploy. OCIO notes the following outstanding needs:

- logistics support for shipping telecommunications equipment and personnel to San Juan,
- installation of two VSAT stations in Puerto Rico and two VSAT in the U.S. Virgin Islands,
- setting up an Ethernet Bridge between Guaynabo and Fort San Juan,
- installing two-back-haul circuits for U.S. Virgin Islands,
- damage assessment of three FWS sites, and
- setting up temporary offices for the NPS Incident Management Team and the Incident Command Center (ICC) in San Juan.

### **Office of Human Resources (OHR)**

*Source: OHR Update – September 29, 2017*

#### Emergency Leave Transfer Program

- An emergency leave transfer program (ELTP) has been established to assist employees affected by the destruction caused by Hurricane Maria. The memoranda from the U.S. Office of Personnel Management (OPM) authorizing the ELTP can be found at [OPM ELTP](#). The DOI Office of Human Resources has also issued a memo on this topic and distributed to bureaus and offices.

#### Federal Employees Group Life Insurance (FEGLI)

- Because of recent hurricanes, some Federal employees in the southern United States, Puerto Rico, and other U.S. territories may be unable to meet pay and duty status requirements for their Federal Employees' Group Life Insurance (FEGLI) Open Season elections to go into effect as scheduled.



OPM is exercising its authority under Federal law to exempt these hurricane-affected employees from the pay and duty status requirements.

- It is up to the employing agency's discretion to determine whether an employee is unable to meet pay and duty status requirements for hurricane-related reasons outside their control. Once an agency makes this determination for an employee, the agency should process that employee's FEGLI Open Season election for an effective date on the first day of the first pay period that begins on or after October 1, 2017. Employing agencies have until October 31, 2017 to make this determination for their affected employees.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC will commence a 24-hour reporting cycle starting tomorrow, Saturday, September 30. Reports will be distributed at 8:00 a.m. EDT daily, via the Emergency Management Daily Situation Report Monday through Friday and via SPOT Report over the weekend.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

Report Number: DOI-OEM-SPOTREP-18m-17

Subject: Maria Response and Recovery

Date: September 30, 2017

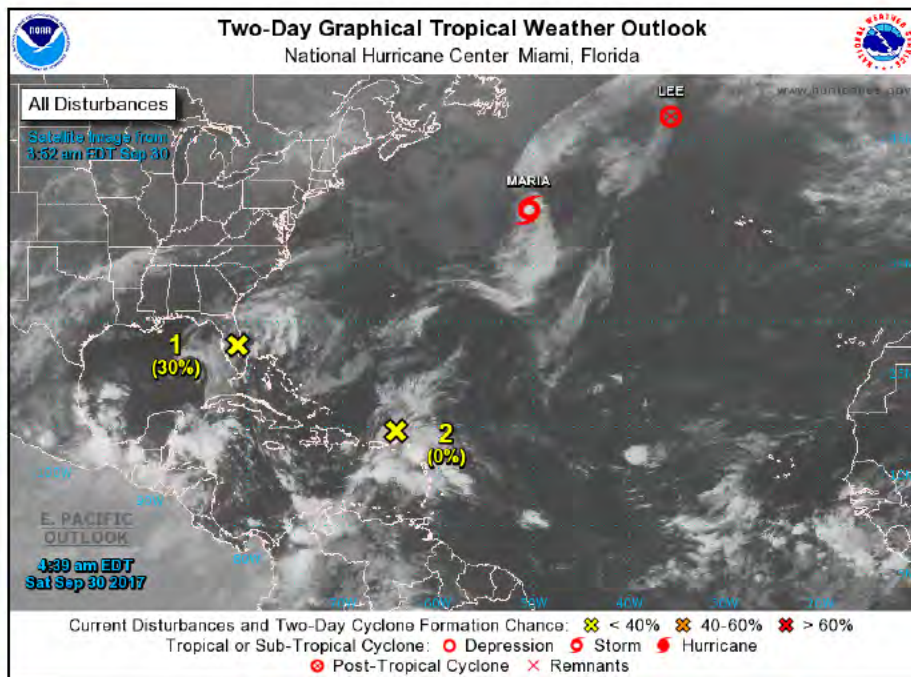
Time: 8:00 a.m. EDT

Location: Atlantic Ocean

Update: Update #14

### General Situation

Source: National Weather Service/National Hurricane Center – September 30, 2017



Deep tropical moisture is expected to bring numerous showers and thunderstorms to Puerto Rico and the U.S. Virgin Islands through Sunday night. The potential exists for cloud to ground lightning and heavy

rainfall which may cause additional flash flooding especially for areas that remain saturated from recent heavy rainfall. Rainfall amounts of 2 to 4 inches will be possible, and a flash flood watch has been posted for Puerto Rico and the U.S. Virgin Islands thru Sunday. Upper-level winds are not expected to be conducive for development while this system moves west-northwestward to westward at 10 to 15 mph during the next few days. This system has a near zero percent chance of formation through the next 48 hours, and approximately a 10-percent chance through five days.

**DOI Mission Assignments as of September 30, 2017:**

There are currently a total of 160 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<b><u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u></b>					<b><u>160</u></b>
<b>ESF</b>	<b>B/O</b>	<b>LOCATION</b>	<b>AMOUNT</b>	<b>PERSONNEL</b>	<b>MA #</b>
<b>4</b>	<b>DOI</b>	<b>PR</b>	<b>\$4M</b>	<b>71</b>	<b>4339DR-PR-USFS-07</b>
<b>SOW:</b> USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.					
<b>5</b>	<b>USGS</b>	<b>Denver</b>	<b>\$5,000</b>	<b>1</b>	<b>1872-351490</b>
<b>SOW:</b> USGS to provide remote support: FEMA teams or other facilities in support of FEMA response operations in Puerto Rico.					
<b>5</b>	<b>OEM</b>	<b>FEMA HQ</b>	<b>\$33,000</b>	<b>2</b>	<b>4340DR-VI-DOI-01</b>
<b>Statement of work (SOW):</b> Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)					
<b>9</b>	<b>NPS</b>	<b>FEMA HQ</b>	<b>\$10,000</b>	<b>1</b>	<b>1509-240274</b>
<b>SOW:</b> Liaison to serve on the Federal Search and Rescue Coordination Group at FEMA HQ.					
<b>13</b>	<b>OLES</b>	<b>PR</b>	<b>\$7.27M</b>	<b>84</b>	<b>3388EM-FL-USDJ-01</b>
<b>SOW:</b> Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).					
<b>NCR RSF</b>	<b>OEPC</b>	<b>PR</b>	<b>\$25,000</b>	<b>1</b>	<b>4339DR-PR-DOI-03</b>
<b>SOW:</b> Field deployment of Department of Interior full-time equivalent staff (initial request for one employee) in support of 4339-DR-PR to serve as planner for the Natural and Cultural Resources Recovery Support Function (RSF) initially standing up in Washington, DC.					

<b>Personnel Deployed in Support of DOI Response and Recovery Efforts As of September 29, 2017 at 10:00 p.m. EDT</b>				
<b>B/O</b>	<b>St. Croix</b>	<b>St. John</b>	<b>St. Thomas</b>	<b>Puerto Rico</b>
<b>USFWS</b>	0	0	0	22
<b>USGS</b>	0	0	0	2
<b>NPS</b>	0	7	0	17

Personnel Stationed and Remaining in Place As of September 29, 2017 at 10:00 p.m. EDT				
B/O	St. Croix	St. John	St. Thomas	Puerto Rico
BSEE	0	0	0	1
OS	0	0	0	1
USFWS	3	0	0	58
USGS	0	0	0	30
NPS	17	34	0	96

### DOI Bureau and Office Reporting

#### **U.S. Fish and Wildlife Service Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 29, 2017*

As of September 29, the USFWS has accounted for 61 of 61 employees in Puerto Rico and the U.S. Virgin Islands. Power, food, water and fuel still remain the critical needs for USFWS personnel. Responders are finding that established points of distribution sites (PODS) are often times not adequately staffed or active. The PODs are the sites where life sustaining supplies are picked up and then distributed to storm victims. The availability and access to fuel for responders continues to be a great concern. Responders have resorted to siphoning fuel from unused vehicles and aviation fuel in order to sustain vehicles until a viable fuel supply source can be located. USFWS personnel in Puerto Rico continue to require additional assistance for day-to-day necessities.

- USFWS Team 1 continues to provide welfare checks and supplies to USFWS employees and family members. The team is able to make contacts with USFWS family members in very remote locations with the assistance of a helicopter provided by the U.S. Customs and Border Protection (CBP). Team members have also hiked in to remote locations to deliver supplies. There is great concern regarding the availability of necessary medical and other supplies to victims in some of the more rural areas. The concern is that the situation could quickly transition from an employee stabilization effort to a humanitarian effort if more supplies are not more readily accessible. A generator and fuel was successfully delivered to a Special Agent and Wildlife Inspector that had been in great need of the equipment.
- USFW Team 2 reports major accomplishments in their continuing efforts to stabilize employee housing and assisting the local community in Vieques with the U.S. Coast Guard (USCG). A portion of the team worked in the Puerto Rican aviary area clearing trees and debris to facilitate road access into some areas. Another portion of the team was able to transfer supplies from a National Park Service (NPS) vessel into the aviary. Team members will also be assisting with the transfer of Puerto Rican Parrots from a temporary facility back to holding and flight cages at the aviary. Four Federal Wildlife Officers (FWO) assigned to the team will board a USCG cutter to deliver supplies to Vieques. Coordination is also underway to have a USFWS pilot, two FWOs, and a logistics officer to fly to St. Croix to perform welfare checks there.

- FWS Aviation resources update:
  - Quest Kodiak (amphibian) N736 arrived yesterday in Puerto Rico.
  - Cessna 182 (land plane) N865CW plans to depart from Florida to Puerto Rico on September 30.
  - Quest Kodiak (land plane) N723 plans to depart from Florida to Puerto Rico on October 1.
  - Helicopter A-Star B2 N351FW should be available for deployment early next week.

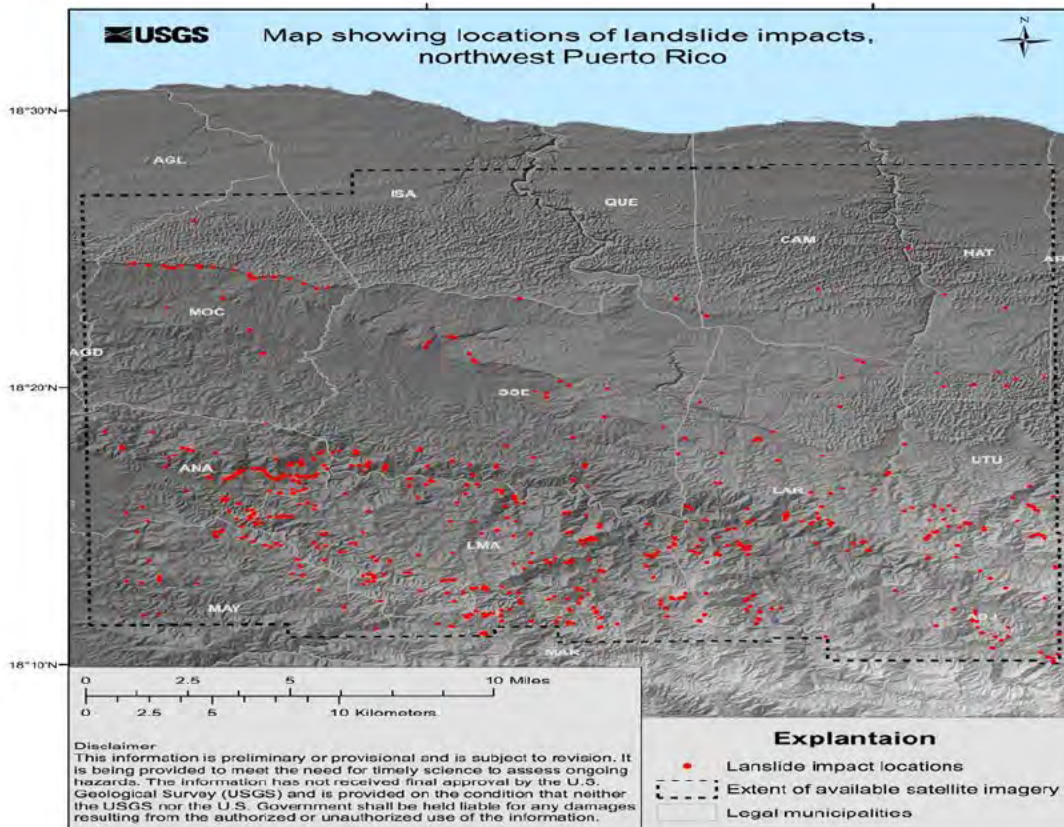
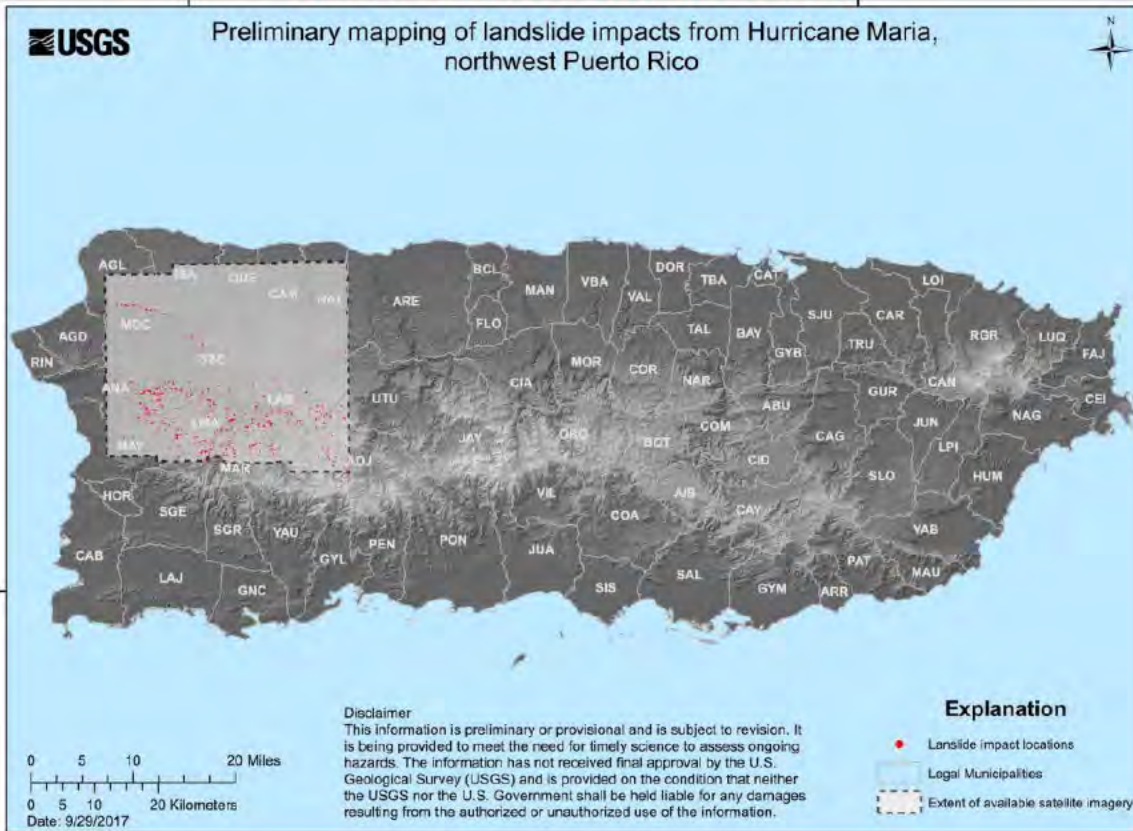
USFWS Caribbean Stations:

- Cabo Rojo National Wildlife Refuge: Responders are continuing to perform inventory and damage assessments to employee housing and working with local police to perform welfare checks and address employee safety. The community is still in great need of assistance and in critical need of additional supplies.
- Culebra National Wildlife Refuge: The refuge continues cleanup, debris removal, and assisting the community to recover.
- Vieques National Wildlife Refuge: The refuge continues working to stabilize employee residences and provide assistance to the community. Getting food, water, and supplies distributed remains the highest priority. Due to the lack of communication capabilities, the USFWS staff continues to facilitate communication between the Mayor of Vieques to the Governor of Puerto Rico on behalf of seven other federal agencies present on the island. The Refuge Manager is coordinating on behalf of the U.S. Postal Service to have the post office inspected in order to resume postal service as soon as possible. There is a desperate need to get supplies into the area.

**Preliminary Locations of Landslide Impacts in Puerto Rico**

Source: U.S. Geological Survey (USGS) – September 30, 2017

Rainfall from Hurricane Maria triggered landslides in the mountainous areas of Puerto Rico. The USGS is examining high-resolution optical satellite imagery to identify locations of roads, other infrastructure, and buildings impacted by landslides. The purpose of the report and accompanying geospatial data is to assist response and recovery efforts. The inventory of landslide impacts is likely incomplete even for areas where imagery is available because some impacts may be obscured by clouds, vegetation, or shadow. USGS notes that the point locations provided are accurate to only within 328 feet of their actual locations on the ground. Again, the report and geospatial data are incomplete, but will be updated as additional imagery and information become available. Additional description and links to the geospatial data will be provided on the Landslide Hazards homepage: <https://landslides.usgs.gov/>.



Disclaimer: This information is preliminary or provisional and is subject to revision. It is being provided to meet the need for timely science to assess ongoing hazards. The information has not received final approval by the U.S. Geological Survey (USGS) and is provided on the condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the information.

**DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management (OEM) - September 29, 2017*

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of 10 NPS personnel, five Bureau of Land Management (BLM) personnel, three Office of Inspector General (OIG) personnel, two USGS personnel, two Bureau of Ocean Energy Management (BOEM) personnel, and one Bureau of Safety and Environmental Enforcement (BSEE) employee. While the bulk of the deployed personnel are in Alabama (18), two additional employees are in Puerto Rico and three are in Texas. The Office of Emergency Management is working with FEMA to deploy an additional 18 DOI volunteers by October 4 and another nine on October 8.

**DOI Initiated an Impacted Employee Support Team**

*Source: DOI Office of Emergency Management (OEM) - September 29, 2017*

In order to facilitate planning associated with the needs of DOI employees impacted by the Hurricane 2017 season, the Director of OEM is establishing an ad-hoc, short-term, "Impacted Employee Support Planning Team." The objective of this team is to conduct immediate deliberative planning activities related to supporting DOI employees impacted by Hurricanes Irma and Maria. The Team will initially focus on planning factors related to impacted employees on Puerto Rico and the U.S. Virgin Islands.

**Other Federal and State Government Reporting****Caribbean Power Restoration CAP Team Update**

*Source: Federal Emergency Management Agency – September 21, 2017*

The Puerto Rico Electric Power Authority (PREPA) Crisis Action Planning (CAP) Team approximates that 95-percent of customers in Puerto Rico remain without power. Damage assessments and restoration efforts are underway, focusing on the most critical facilities. Initial assessments show significant damage to transmission and distribution systems. The U.S. Army Corp of Engineers (USACE) is expected to assume a significant role in restoration efforts, in coordination with Puerto Rico, the Department of Energy (DOE), and the power industry.

PREPA estimates that 20-percent of its transmission towers need to be replaced. The southwest & northwest portions of the island experienced the highest number of downed towers. Nearly all of PREPA's overhead transmission lines, which accounts for approximately 80% of total transmission lines on the island, were affected by the storm. Underground transmission lines remain mostly unaffected from storm damage. Significant portions of the distribution system are also reported to be damaged. PREPA anticipates the need for 250-300 linemen in order to restore their 230 kilovolt transmission lines. Repairs to key substation are underway, and portions of the San Juan Financial district may be reenergized over the next few days.

DOE is coordinating with PREPA, FEMA, and the power industry to transport additional crews, equipment, and materials to the island to support damage assessments and restoration activities.

**DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – September 30, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of September 29 at 3:30 a.m. EDT:

- Puerto Rico: Confirmed fatalities remain at 16 in Puerto Rico. All eight commercial airports are operational. Nine water treatment plants have been opened, 19 are closed, and the status of 24 additional plants remain unknown.

Personnel from the U.S. Army Corps of Engineers (USACE) have completed damage assessments at the Guajataca Dam and have determined that the dam reservoir pool continues to decline. USACE is bringing in 900 super sand bags to assist in stabilizing the dam.

- U.S. Virgin Islands: The St. Thomas Airport is now open for commercial traffic, but some safety restrictions remain in place. Most of the highways in St. Croix are open, but all of the traffic signals in St. Croix and St. Thomas are completely destroyed. Personnel on the roads are advised to proceed with extreme caution. Curfews are now in place from 6:00 p.m. to 8:00 a.m. in St. Thomas, St. John, and Water Island; and from 6:00p.m. to 11:00 a.m. for St. Croix in the U.S. Virgin Islands.

The FEMA NRCC remains activated to Level I (Full Activation), with Crisis Action Planning teams for housing, fossil fuel, and power restoration. The Puerto Rico and the U.S. Virgin Islands Emergency Operations Centers (EOCs) remain at Full Activation, and the Florida EOC is at Partial Activation. All FEMA Mobile Emergency Response Support (MERS) assets are on site with over 30 personnel in Puerto Rico and 20 personnel in the U.S. Virgin Islands. The MERS assets and personnel are supporting Urban Search and Rescue (US&R) operations, the National Disaster Medical System, and the Incident Management Assistance Teams.

#### **Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC initiated a 24-hour reporting cycle on Saturday, September 30. Reports will be distributed at 8:00 a.m. EDT daily, via the Emergency Management Daily Situation Report Monday through Friday and via SPOT Report over the weekend.

#### **Distribution:**

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DOI NRCC SILC Desk





**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

Report Number: DOI-OEM-SPOTREP-18o-17

Subject: Maria Response and Recovery

Date: October 1, 2017

Time: 8:00 a.m. EDT

Location: Atlantic Ocean

Update: Update #15

## General Situation

Source: National Weather Service/National Hurricane Center – October 1, 2017

Recovery efforts for Maria continue across Puerto Rico (PR) and the U.S. Virgin Islands (USVI). The National Weather Service (NWS) reports deep tropical moisture is expected to bring numerous showers and thunderstorms to Puerto Rico and the USVI through tonight. The potential exists for frequent cloud to ground lightning and heavy rainfall which may cause additional flash flooding especially for areas that remain saturated from recent heavy rainfall. About 2-3 inches of rain have fallen across Puerto Rico since late Friday. Additional rainfall amounts of 1-3 inches are possible, with 3 to 5 inches in localized areas thru Monday morning. There will be a period of light rain to around noon today, with a more intense period from mid-afternoon to early morning hours of Monday. A Flash Flood Watch in effect for Puerto Rico and the U.S. Virgin Islands through tonight. This system has a near zero percent chance of formation through the next five days.

## DOI Mission Assignments as of October 1, 2017:

There are currently a total of 160 DOI Personnel supporting the response under the Federal Emergency Management Agency (FEMA) mission assignments for Maria.

<u>DOI Personnel Supporting MARIA Mission Assignments (MA)</u>					<u>160</u>
ESF	B/O	LOCATION	AMOUNT	PERSONNEL	MA #
1	FWS	PR	\$60,000	1	1872-353597
4	DOI	PR	\$4M	71	4339DR-PR-USFS-07

**SOW:** USFS/DOI Interagency Incident management team supporting FEMA Incident Support Base operations and saw crews clearing roadways.

5	USGS	Denver	\$5,000	1	1872-351490
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**SOW:** USGS to provide remote support: FEMA teams or other facilities in support of FEMA response operations in Puerto Rico.

5	OEM	FEMA HQ	\$33,000	2	4340DR-VI-DOI-01
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**Statement of work (SOW):** Staff DOI Liaison desk at FEMA National Response Coordination Center (NRCC)

13	OLES	PR	\$7.27M	84	3388EM-FL-USDJ-01
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**SOW:** Provide law enforcement support for ESF #8 (Public Health and Medical Services) and ESF #9 (Search and Rescue).

NCR RSF	OEPC	PR	\$25,000	1	4339DR-PR-DOI-03
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**SOW:** Field deployment of Department of Interior full-time equivalent staff (initial request for one employee) in support of 4339-DR-PR to serve as planner for the Natural and Cultural Resources Recovery Support Function (RSF) initially standing up in Washington, DC.

**Personnel Deployed in Support of DOI Response and Recovery Efforts  
As of September 30, 2017 at 10:00 p.m. EDT**

B/O	St. Croix	St. John	St. Thomas	Puerto Rico
USFWS	0	0	0	22
USGS	0	0	0	2
NPS	0	7	0	30
BOEM	0	0	0	1
BLM	0	0	1	1

**Personnel Stationed and Remaining in Place  
As of September 30, 2017 at 10:00 p.m. EDT**

B/O	St. Croix	St. John	St. Thomas	Puerto Rico
BSEE	0	0	0	1
OS	0	0	0	1
USFWS	3	0	0	58
USGS	0	0	0	30
NPS	17	34	0	96

**DOI Bureau and Office Reporting****National Park Service (NPS)**

*Source: National Park Service (NPS) Update – September 30, 2017*

**Caribbean Parks**

All NPS parks in the Caribbean remain closed and employees are accounted for. Most employees who are non-essential employees are off for the weekend and taking the opportunity to handle their personal recovery needs.

The M/V Fort Jefferson arrived in the Port of San Juan the afternoon of September 28 and unloaded supplies for U.S. Fish and Wildlife Service (USFWS) personnel. On September 29, loads were shifted on the boat for transit to St. John. The M/V Fort Jefferson will depart port at sunrise today to transport supplies, move staff displaced from St. John to retrieve personal property, and deliver an NPS Law Enforcement (LE) Special Event Tactical Team (SETT) Team to relieve the current team. The vessel is then scheduled to continue on to St. Croix tomorrow evening.

A mechanic from the M/V Fort Jefferson was able to assess the damage to the generator at San Juan Headquarters (HQs). The generator was repaired and is now providing additional power to the San Juan site. The entire park is operating on generator power at this time.

A point to point microwave link was flown from Washington, DC to San Juan on September 30. The plan is to extend the existing DOI network at the USGS facility to the San Juan site. Additionally, Very Small Aperture Terminal (VSAT) satellite internet dishes are scheduled for pickup via FedEx on tomorrow for arrival at San Juan Airport on September 3.

It was reported that FOX News correspondent Geraldo Rivera arrived in San Juan on the morning of September 30 to provide coverage of the recovery efforts. The superintendent was contacted, but Mr. Rivera left before interviewing anyone, but may still be in the area.

Staff from the Incident Management Team (IMT) at San Juan coordinated a visit to a FEMA distribution center and received two additional pallets of MREs and five additional pallets of water. Fuel suppliers have been secured for the San Juan area, but remain a challenge for St. John and St. Croix.

Eastern IMT (EIMT) leadership is coordinating the logistics to set up base operations to ensure that field teams have the tools and safety resources needed to begin deploying crews to parks. The EIMT is becoming increasingly operational as it ensures that logistical support is established to safely support field crews. The team will continue to prioritize support for employee emergency needs, establish communications, and provide critical supplies for emergency stabilization.

**South Florida National Parks**

*Big Cypress National Preserve* – The preserve remains closed to all visitor use and access is limited to land owners only. Employees are scheduled to return to work on Monday, October 2. Clearing operations were temporarily suspended due to exposure to poisonwood. Saw crews continued clearing campgrounds and walkways.

*Biscayne National Park* – Adams Key is open; Elliot Key remains closed. The park hosted 116 volunteers for National Public Lands Day yesterday. The group removed debris from park grounds and removed trash

from mangroves. Hosts of the television program, "Rock the Park," participated in the cleanup. The episode will air sometime this fall.

*Dry Tortugas National Park* – Dry Tortugas National Park is open to all park visitors, though some small closures still exist throughout the park. A structural engineer has been requested to assess the stability of the moat wall. A local dive team will conduct damage assessments this upcoming week for natural and cultural resources, including coral and shipwrecks.

*Everglades National Park* – The park is partially open. The Homestead visitor's entrance is open from 6:00 a.m. to 6:00 p.m. daily, providing visitor access to the Ernest F. Coe Visitor Center from 9:00 a.m. to 5:00 p.m. All other areas of the park remain closed. The park will close at night for safety and security purposes. Clearing operations continue along the main road toward Flamingo. Saw crews continue clearing debris in the Mahogany Hammock, Flamingo, Shark Valley, and the Gulf Coast areas. Park boat operators continue marking underwater debris in the Gulf Coast District. Park utilities crews are working on restoring water and sewage treatment plants, including the lift station.

### **Atlantic Coast National Parks**

*Cumberland Island National Seashore* – The Cumberland Island Mainland Museum is open, but all other areas of the seashore remain closed. Crews continue to clean the visitor center, museum, and the warehouse on the mainland. Due to the continued closure of Cumberland Island National Seashore related to Hurricane Irma, the park is cancelling all camping reservations through October 18.

*Fort Matanzas National Monument* – The park is partially open. The visitor center area of the park remains closed pending removal of hazard limbs and trees. Beach and Island areas of the park are open to the public. The fort will remain inaccessible to the public until repairs to ferry boats can be completed.

*Fort Pulaski National Monument* – The park remains closed. Water tank replacement and electrical work are scheduled for early next week. Park staff are assessing several damaged trees for removal. The park hosted a volunteer opportunity for National Public Lands Day. Approximately 60 participants helped clear trails and remove debris in observance of National Public Lands Day.

### **U.S. Fish and Wildlife Service Update**

*Source: U.S. Fish and Wildlife Service (USFWS) – September 30, 2017*

As of September 30, power, food, water and fuel still remain among the most critical needs for USFWS personnel, as well as distribution to areas outside of the immediate vicinity of San Juan, Puerto Rico. Additionally, the need to reestablish the communication infrastructure is also a high priority. Communication lapses have compounded the challenges of obtaining supplies and distribution to victims. Responders continue to obtain information regarding active distribution centers and hope to obtain commodities from these centers for distribution. An urgent need still exists to focus on remote areas of the islands where desperate need of food, water, and other necessities. Weather forecasts for Puerto Rico include the potential for significant rainfall through the remainder of the weekend. Additional rain brings the potential for mudslides and associated access issues. Briefings are being provided for all personnel in preparation for additional inclement weather hazards.

- USFWS Team 1 continues to provide welfare checks and supplies to USFWS employees and family members. The team was successful in making contact with USFWS family members in very remote locations. Coordination has begun to bring in replacement personnel for current team members.

One Office of Law Enforcement (OLE) member may join the FEMA Joint Field Office (JFO) to aid in the dispatching of FWS resources as communication capabilities come back online.

- USFW Team 2 was able to secure a significant portion of food and water from Sam's Club in San Juan yesterday. A portion of the team is in Vieques working with the U.S. Coast Guard (USCG) on supply distribution. Another portion of the team is travelling to Cabo Rojo to continue welfare checks and distributing supplies. The team coordinated air operations to the islands of Culebra and St. Croix to distribute food and water, assess facility damage, and determine requirements for saw crews for road clearing. The Incident Command (IC) will be based out of the FEMA Emergency Management Center located in the San Juan Convention Center. USFWS resources will also be dispatched from this site.
- FWS Aviation resources update:
  - Quest Kodiak (amphibian) N736 arrived in Puerto Rico September 28.
  - Cessna 182 (land plane) N865CW was scheduled to depart from Florida to Puerto Rico on September 30.
  - Quest Kodiak (land plane) N723 is scheduled to arrive in Puerto Rico sometime today.
  - Helicopter A-Star B2 N351FW should be available for deployment early next week.

USFWS Caribbean Stations:

- Cabo Rojo National Wildlife Refuge: Responders are continuing to perform inventory and damage assessments to employee housing and working with local police to perform welfare checks and address employee safety. The community is still in great need of assistance and in critical need of additional supplies.
- Culebra National Wildlife Refuge: The refuge continues cleanup, debris removal, and assisting the community to recover. Coordination has begun for air operations to deliver needed supplies, and assess the needs for saw crews to provide assistance with road access.
- Vieques National Wildlife Refuge: The refuge continues working to stabilize employee residences and provide assistance to the community. Getting food, water, and supplies distributed remains the highest priority. Due to the lack of communication capabilities, the USFWS staff continues to facilitate communication between the Mayor of Vieques to the Governor of Puerto Rico on behalf of seven other federal agencies present on the island.
- Puerto Rico Parrot Program: Parrots located at the Puerto Rico Parrot Aviary were successfully transported to the Rio Grande Aviary.

**DOI Support to the FEMA Surge Capacity Force**

Source: DOI Office of Emergency Management (OEM) - September 30, 2017

Twenty-three employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, Georgia, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 18 DOI volunteers by October 4 and another nine on October 8.

**Other Federal and State Government Reporting****Guajataca Dam Update**

*Source: Federal Emergency Management Agency – September 30, 2017*

As of September 29, in Puerto Rico, the Guajataca is at a 55 percent lost. It is 45-50' of spillway and weather forecasts an additional 2-3 inches of rain over the next 48 hours. It is estimated in the next three to four days could result in a potential failure of the dam. Residents in the area are being evacuated and additional supplies are being brought in to support the dam.

**DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 1, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 1 at 5:00 a.m. EDT:

The FEMA NRCC remains is activated to Level I (Full Activation), with Crisis Action Planning teams for housing, fossil fuel, and power restoration. The Puerto Rico and the U.S. Virgin Islands Emergency Operations Centers (EOCs) remain at Full Activation, and the Florida EOC is at Partial Activation. FEMA Mobile Emergency Response Support (MERS) assets and personnel are supporting Urban Search and Rescue (US&R) operations, the National Disaster Medical System, and the Incident Management Assistance Teams.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC initiated a 24-hour reporting cycle on Saturday, September 30. Reports will be distributed at 8:00 a.m. EDT daily, via the Emergency Management Daily Situation Report Monday through Friday and via SPOT Report over the weekend.

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
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DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18p-17

**Subject:** Maria Response and Recovery

**Date:** October 7, 2017

**Time:** 8:00 a.m. EDT

**Location:** Puerto Rico and U.S. Virgin Islands

**Update:** Update #16

## **General Situation**

**Source:** National Weather Service – October 7, 2017

Response operations continue in Puerto Rico and the U.S. Virgin Islands as a result of Hurricane Maria. The National Weather Service (NWS) reports that isolated showers are expected this evening in the U.S. Virgin Islands and Puerto Rico, with partly cloudy skies throughout the weekend. Showers and thunderstorms are forecast to begin in both locations on October 10.

## **DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- **ESF #5 – United States Geological Survey (USGS):** Four USGS personnel were in the field yesterday retrieving sensors and flagging high water marks (HWM) in Puerto Rico under Mission Assignment (MA) PR-17090102-USGS-01.

### **ESF #13 (Law Enforcement and Security)**

- **ESF #13 – Office of Law Enforcement and Security (OLES):** All operational team members are present and accounted for, and the current missions are focusing on force protection for Disaster Medical Assistance Teams (DMATs). DOI MARIA Quick Response Teams (QRTs) 3 and 4 participated in the evacuation of a hospital in Puerto Rico on October 4. The teams were recognized by ESF #8 (Public Health and Medical Services) for their efforts during this critical mission.

DOI QRT 1 and QRT 2 team members that demobilized on October 4 are returning to their home units. The next demobilization date for DOI QRTs is October 9, and no additional DOI QRT assets will be sent to Puerto Rico for the Hurricane Maria response.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

*Source: National Park Service – October 6, 2017*

All NPS Caribbean Parks remain closed, and all employees are accounted for. NPS park units in the Caribbean continue to address logistical challenges, communication challenges, and perform stabilization efforts after Hurricane Maria. All facilities remain on generator power, and communications within NPS locations improved during this reporting period. The Incident Management Team (IMT) is working on employee assistance to include developing a long-term strategy for employees who need housing. The following NPS park unit updates have been provided:

#### **Caribbean Parks**

- *San Juan National Historic Site (SAJU):* The generator is running, but is having some issues remaining reliable. The park is continuing to remove debris around the fort, and some damage was noted in one of the restoration buildings.
- *Virgin Islands National Park (VIIS):* Lodging options remain a challenge at the park. As lodging becomes available, the number of resources available to support can expand accordingly. The park is working to identify assessment teams and expects an initial team to depart today. The Arrowhead Hotshot crew has also been ordered.
- *Christiansted National Historic Site (CHRI):* The park is working with interagency partners, to include FEMA, who may use some of the fort to support distribution efforts. The *Motor Vessel (M/V) Fort Jefferson* schedule has been developed in coordination with the NPS, St. John, St. Croix, and San Juan.

### **United States Geological Survey Update**

*Source: United States Geological Survey – October 6, 2017*

Eleven USGS personnel were in the field yesterday performing gage damage assessments and repairs under USGS authority. The USGS Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico remains closed until further notice. A total of seventy surface water, ground water, and precipitation gages were initially offline due to Hurricane Maria, and at least nine gages were destroyed. The USGS is reporting that 30 gages have been repaired.

### **U.S. Fish and Wildlife Service Update**

*Source: U.S. Fish and Wildlife Service – October 6, 2017*

USFWS deployed personnel continue to conduct welfare checks and supply family members with food and water in areas where points of distribution (PODs) are inconsistent in resupply. The USFWS is sending a two-person facility assessment team to Puerto Rico to work with the IMT on assessments across Puerto Rico and the U.S. Virgin Islands. The team is scheduled to arrive next week. The USFWS is maintaining Federal Wildlife Offices (FWOs) for security on Vieques and St. Croix. Six USFWS personnel were demobilized on October 6.



**Office of Environmental Policy and Compliance (OEPC) Update**

*Source: Office of Environmental Policy and Compliance – October 6, 2017*

The OEPC is representing the Natural and Cultural Resources Recovery Support Function (NCR RSF) in FEMA meetings on the Incident Strategic Plans for Puerto Rico and U.S. Virgin Islands recovery efforts. An NCR RSF Field Coordinator is in Washington DC under a Mission Assignment to support this planning effort.

OEPC coordinated a call with the NPS, the Advisory Council on Historic Preservation, FEMA, and the Puerto Rico State Historic Preservation Office (SHPO). The purpose of the call was to determine if an MA is appropriate for ESF #11 for the Protection of Natural and Cultural Resources and Historic Properties (NCH) to provide technical expertise to support the SHPO in undertaking damage assessments. FEMA is looking to employ local hires, but an MA could be utilized to bridge the gap between the immediate need and when local hires can be identified and brought on by FEMA. OEPC also participated in a call with the Heritage Emergency National Task Force, the National Archives and Records Administration, the Smithsonian Institute, the NPS, and the Archives of Puerto Rico regarding impacts to the archives and collections and the immediate needs identified by the Archives of Puerto Rico.

**DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management (OEM) – October 6, 2017*

Twenty-six employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 22 DOI volunteers by October 8.

**Other Federal and State Government Reporting****Guajataca Dam Update**

*Source: Federal Emergency Management Agency – October 6, 2017*

The Guajataca Dam spillway is continuing to erode, and immediate risk reduction measures are ongoing to stabilize the dam spillway and clear the outlet blockage. FEMA is reporting that the 26<sup>th</sup> Marine Expeditionary Unit has placed 251 concrete barriers along the compromised portions of the spillway channel. Two 18-inch pumps are expected to arrive tomorrow, and eight additional pumps are expected to arrive on October 14 to help lower the level of the pool behind the dam. A Flash Flood Warning remains in effect for portions of the municipalities of Isabela and Quebradillas in Puerto Rico.

**DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 7, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 7 at 5:00 a.m. EDT:

- *Puerto Rico:* Of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants, 18 are non-operational. The U.S. Environmental Protection Agency (EPA) has assessed 560 of 800 pump stations, and approximately 250 sanitary pump stations are overflowing sewage from lack of power, malfunctioning power generators, or pumping problems. An island-wide Boil Water

Advisory remains in effect. The Government of Mexico is purchasing bottled water for Puerto Rico, and the distribution of the water will be coordinated by FEMA.

Sixty-six of the 67 hospitals in Puerto Rico are open. Four of the seven regional pediatric centers are open, and both autism centers are open. All dialysis centers are operational. All hospitals are either connected to active drinking water service or are receiving water from tanker trucks.

FEMA teams have cleared 23 miles of roads. Approximately 130 bridges throughout Puerto Rico have been damaged. The U.S. Department of Energy (DOE) reports fuel stocks are now adequate across the region; however, distribution remains a challenge. FEMA has delivered 12,000 tarps and has an additional 12,040 tarps scheduled for delivery by October 14.

- *U.S. Virgin Islands:* EPA and U.S. Virgin Islands Department of Planning and Natural Resources drinking water teams assessed 101 of 161 public water systems in St. Croix and found 66 were functional. There are four days of emergency water storage in St. Thomas and St. John, and there are five days of emergency water storage in St. Croix. Potable water service to downtown St. Thomas has been restored and is expected to resume to Savan, Contant Knolls, and Lindbergh Bay this weekend. A territory-wide Boil Water Advisory remains in effect. No customers are receiving power from the grid on St. John. Only facilities with generators have power. A total of 95-percent of the roadways are passable, with no full closures, on St. Thomas and St. John. Most highways are also open on St. Croix.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC is continuing a 24-hour reporting cycle, and reports will be distributed at 8:00 a.m. EDT daily, via the Emergency Management Daily Situation Report (Monday through Friday) and via Spot Reports (weekends and on holidays).

**Distribution:**

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IOS Senior Officials  
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**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18q-17

**Subject:** Maria Response and Recovery

**Date:** October 8, 2017

**Time:** 8:00 a.m. EDT

**Location:** Puerto Rico and U.S. Virgin Islands

**Update:** Update #17

## **General Situation**

**Source:** National Weather Service – October 7, 2017

Response operations continue in Puerto Rico and the U.S. Virgin Islands as a result of Hurricane Maria. The National Weather Service (NWS) reports that showers and thunderstorms are possible over the next several days in Puerto Rico, with locally heavy rain which may cause additional flash flooding impacts. There is also an elevated risk of rip currents along the northern coastlines of Puerto Rico and most of St. Croix's coastlines.

## **DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): There were no personnel working in the field yesterday in Puerto Rico under Mission Assignment (MA). Work will resume on Monday to retrieve sensors and flag high water marks (HWM). The USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the NWS for prioritizing gages for assessment and repair as resources allow. A webcam has been installed to monitor the Lago Guajataca spillway.

## **DOI Bureau and Office Reporting**

### **National Park Service (NPS) Update**

**Source:** National Park Service – October 7, 2017

All NPS Caribbean Parks remain closed, and all employees are accounted for. The Critical Incident Stress Management (CISM) team and the logistics team are coordinating hotel accommodations for displaced

employees and their family members. Four additional CISM personnel were ordered with intentions of stationing two at St. Croix and two at San Juan. The CISM team will be distributing information packets to personnel, which will include information regarding where to get general assistance, entitlements, and FEMA assistance. The CISM team has also been working with the Eastern National Bank to develop a program which will assist hurricane victims. A pet management strategy is being established for family members since temporary quarters do not permit pets.

Communications continue to be unreliable and extremely limited. Driving on the islands remain hazardous due to downed power lines, power outages, inoperable street lights, no street signs, downed trees, and flooding. Puerto Rico has experienced heavy periods of rainfall recently, increasing the concerns for the Guajataca Dam, which is being closely monitored. The following NPS park unit updates have been provided:

### **Caribbean Parks**

- *San Juan National Historic Site (SAJU)*: All of old town San Juan, including the Park Headquarters at Castillo San Cristobal, is back on town water; however, the water system remains on backup generators. The interim Incident Command Post (ICP) is primarily located within the convention center due to the lack of power at Castillo San Cristobal. The Puerto Rico Electric Power Authority (PREPA) estimates that power restoration at Castillo San Cristobal will occur by the end of next week.
- *Virgin Islands National Park (VIIS)*: The 17 members of the Arrowhead Hotshot crew arrived in San Juan with plans to relocate to St. John today. A four-person crew has arrived to the park and will begin assessments today.
- *Christiansted National Historic Site (CHRI)*: Park employees have begun reporting to work, and the food and water supplies are adequate for the next 7-10 days. Although curfew hours are in effect, personnel are permitted to exceed the curfew hours for travel to and from work. Ferry service and seaborne flights between St. Croix and St. Thomas have resumed.

### **United States Geological Survey Update**

Source: United States Geological Survey – October 7, 2017

The USGS Caribbean-Florida Water Science Center (CFWSC) office in Puerto Rico remains closed until further notice. A total of seventy surface water, ground water, and precipitation gages were initially offline due to Hurricane Maria, and at least nine gages were destroyed. The USGS is reporting that 30 gages have been repaired. The USGS reported yesterday that there are 188 total sensors in Puerto Rico measuring stream flows, lake elevations, water quality, and precipitation.

### **DOI Support to the FEMA Surge Capacity Force**

Source: DOI Office of Emergency Management (OEM) – October 7, 2017

Twenty-six employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 20 DOI volunteers by October 8.

**Other Federal and State Government Reporting****DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 8, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 8 at 5:00 a.m. EDT:

- *Puerto Rico:* A total of 16,649 structures have been identified as being impacted by wind, and 1,506 of the structures are considered destroyed. Of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants, 20 are non-operational. Sixty-six of 67 hospitals in Puerto Rico are open.

FEMA teams have cleared 27 miles of roads in Puerto Rico. Reports indicate that Puerto Rico has 5,073 miles of roads, with approximately 392 miles (8-percent) open, 1,342 miles (26-percent) partially open, and 3,343 miles (66-percent) unknown. The United States Army Corps of Engineers (USACE) estimates that 10 million cubic yards of debris must be removed, and resources have been staged to begin debris removal today. There are 162 bridges throughout Puerto Rico that have been damaged. Forty-nine-percent of these bridges have been inspected by Puerto Rico Department of Transportation and Public Works personnel, and 15 bridges have been closed. Stabilization efforts continue at the Guajataca Dam spillway, and evacuations remain in effect. Three USCG Cutters and U.S. Customs and Border Protection (CBP) aircraft are transporting response supplies and materials and assisting in evacuations.

- *U.S. Virgin Islands:* Visual imagery assessments for St. Croix and St. John have been completed. There have been 2,060 structures identified as being impacted by wind on St. Croix, and 351 of the structures are considered destroyed. A total of 238 structures have been identified as impacted by wind on St. John, and 88 of those structures are considered destroyed. A territory-wide Boil Water Advisory remains in effect.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC is continuing a 24-hour reporting cycle, and reports will be distributed at 8:00 a.m. EDT daily, via the Emergency Management Daily Situation Report (Monday through Friday) and via Spot Reports (weekends and on holidays).

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 DOI NRCC SILC Desk



**U.S. Department of the Interior**  
**Office of Emergency Management**  
**Interior Operations Center**



# SPOT Report

**Report Number:** DOI-OEM-SPOTREP-18r-17

**Subject:** Maria Response and Recovery

**Date:** October 9, 2017

**Time:** 8:00 a.m. EDT

**Location:** Puerto Rico and U.S. Virgin Islands

**Update:** Update #18

## **General Situation**

**Source:** National Weather Service – October 9, 2017

Response operations continue in Puerto Rico and the U.S. Virgin Islands as a result of Hurricane Maria. The National Weather Service (NWS) reports that a tropical wave will combine with an upper level disturbance to increase the potential for heavy rain over Puerto Rico today and tomorrow. The heavy rain could cause additional flash flooding and mudslides to occur. There is an elevated risk for rip currents today in Puerto Rico and St. Croix.

## **DOI Support to Federal Emergency Management Agency (FEMA) Interagency Response and Recovery**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- **ESF #5 – United States Geological Survey (USGS):** There were no USGS personnel working in the field yesterday in Puerto Rico under Mission Assignment (MA). Work will resume today to retrieve sensors and flag high water marks (HWM). The USGS is coordinating with the U.S. Army Corps of Engineers (USACE) and the NWS for prioritizing gages for assessment and repair as resources allow. A webcam has been installed to monitor the Lago Guajataca spillway. One person is performing remote analysis of imagery to identify significant landslide impacts in Puerto Rico.

**DOI Bureau and Office Reporting**

No additional DOI Bureau or Office reporting was received regarding Hurricane Maria response activities during this operational period.

**DOI Support to the FEMA Surge Capacity Force**

*Source: DOI Office of Emergency Management (OEM) – October 8, 2017*

Twenty-six employees from DOI Bureaus and Offices are currently supporting the FEMA Surge Capacity Force. The group is comprised of volunteers supporting recovery efforts in Puerto Rico, Texas, the U.S. Virgin Islands, Mississippi, Nevada, and Alabama. The Office of Emergency Management is working with FEMA to deploy an additional 20 DOI volunteers by October 12.

**Other Federal and State Government Reporting****DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 9, 2017*

The following update for Puerto Rico and the U.S. Virgin Islands has been provided by the DHS National Operations Center as of October 9 at 5:00 a.m. EDT:

- Puerto Rico: Damage assessments are being conducted in Puerto Rico, and a repair plan is being put in place. Approximately 11.7-percent of the population has power across Puerto Rico, but the power grid is down in San Juan due to a transmission line failure. Reports indicate that 18.3-percent of cell towers are operational. Of the 51 Puerto Rico Aqueduct and Sewer Authority wastewater treatment plants assessed, 20 have been determined to be non-operational. The U.S. Environmental Protection Agency (EPA) has assessed 560 of 800 pump stations, and approximately 215 sanitary pump stations are overflowing sewage from lack of power, malfunctioning power generators, or pumping problems. An island-wide Boil Water Advisory remains in effect.

Stabilization efforts continue for the Guajataca Dam spillway, and evacuations remain in effect. FEMA has delivered 12,500 tarps, and an additional 15,850 tarps are scheduled for delivery. A contract for an additional 475,000 tarps has been awarded. Three USCG Cutters and U.S. Customs and Border Protection (CBP) aircraft continue to transport supplies and assist in evacuations.

- U.S. Virgin Islands: The first Disaster Recovery Center was established and opened to survivors yesterday in St Croix. The United States Medical Corps is providing interim support to hospitals on St. Thomas and St. Croix, and the United States Army Corps of Engineers (USACE) is finalizing designs for intermediate-term hospitals. EPA and the U.S. Virgin Islands Department of Planning and Natural Resources drinking water teams evaluated 101 of 161 public water systems in St. Croix and found 66 were functional. There are four days of emergency water storage in St. Thomas and St. John and five days of emergency water storage in St. Croix. A territory-wide Boil Water Advisory remains in effect.

**Future Actions:**

The Interior Operations Center (IOC) will continue to monitor Maria response and recovery and requests that Bureau/Office Emergency Management Coordinators continue to report impacts to DOI personnel, lands, and/or facilities. The IOC is continuing a 24-hour reporting cycle, and reports will be distributed at 8:00

a.m. EDT daily, via the Emergency Management Daily Situation Report (Monday through Friday) and via Spot Reports (weekends and on holidays).

**Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency  
DOI NRCC SILC Desk





# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-21a-17

**Subject:** Hurricane Nate

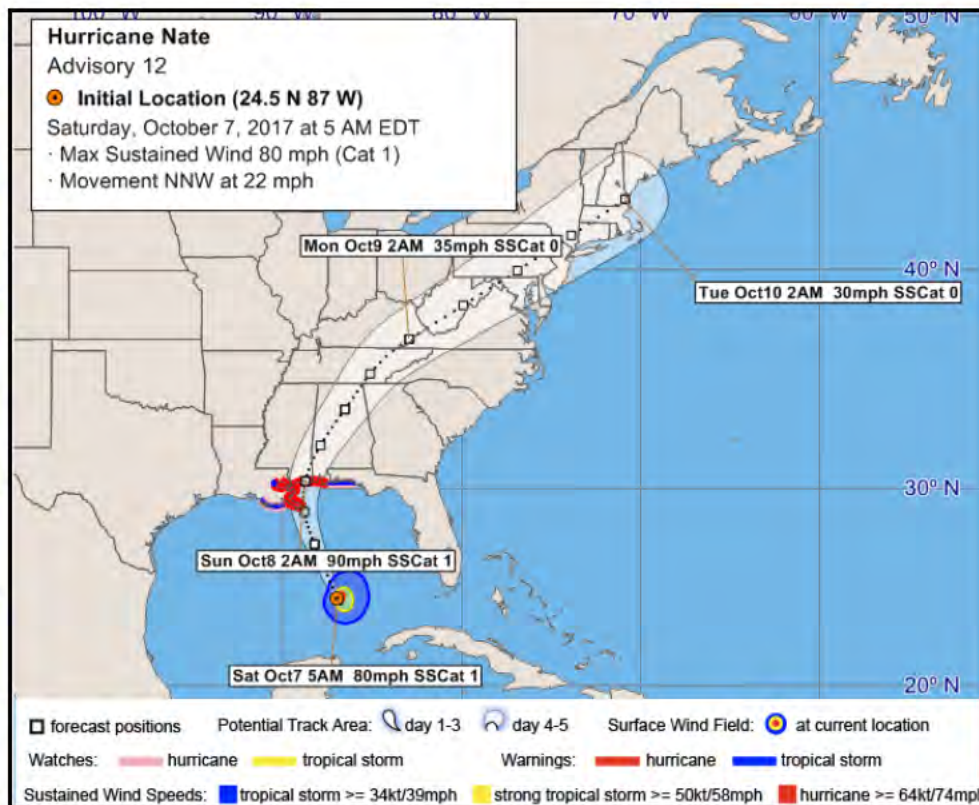
**Date:** October 7, 2017

**Time:** 8:00 a.m. EDT

**Location:** Gulf of Mexico

**Update:** Update #1

**General Situation:**



HURREVAC Image

At 5:00 a.m. EDT, Hurricane Nate was located approximately 345 miles to the south-southeast of the mouth of the Mississippi River and moving to the north-northwest at 22 miles per hour (mph). This general fast motion is expected to continue through tonight. A turn toward the north is forecast on Sunday morning, followed by a turn toward the north-northeast thereafter. On the forecast track, the center of Nate will move across the Gulf of Mexico today and will make landfall along the central U.S. Gulf Coast tonight. Maximum sustained winds are 80 mph, with higher gusts, and additional strengthening is possible today before Nate makes landfall. Hurricane-force winds extend outward up to 35 miles from the storm's center, and tropical storm-force winds extend outward up to 125 miles. The following watches and warnings are in effect:

Hurricane Warning (U.S.)

- Grand Isle, Louisiana to the Alabama/Florida border
- Metropolitan New Orleans and Lake Pontchartrain

Tropical Storm Warning/Hurricane Watch (U.S.)

- West of Grand Isle to Morgan City, Louisiana
- East of the Alabama/Florida border to the Okaloosa/Walton County Line.

Tropical Storm Watch

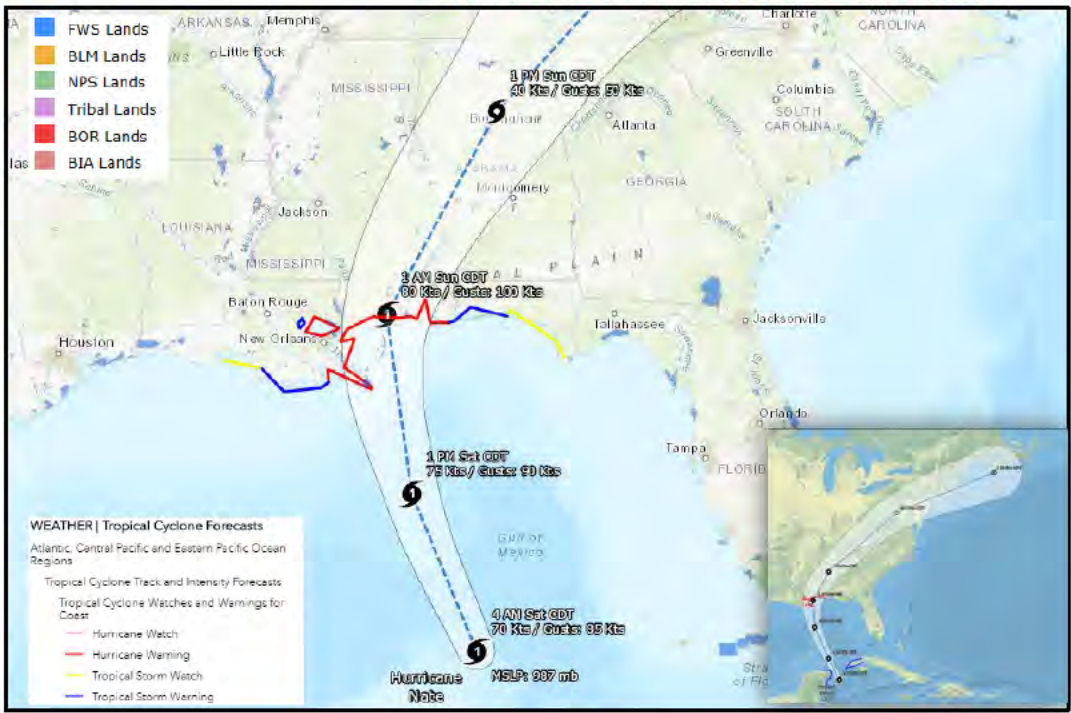
- East of the Okaloosa/Walton County Line to Indian Pass, Florida
- West of Morgan City to Intracoastal City, Louisiana

Along the northern Gulf Coast, hurricane conditions are expected in the Hurricane Warning area tonight, with tropical storm conditions expected to begin earlier. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast near and to the east of the landfall location, where the surge will be accompanied by large and destructive waves. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide:

- Morgan City, Louisiana to the mouth of the Mississippi River: 4 to 6 feet
- Mouth of the Mississippi River to the Alabama/Florida border: 5 to 9 feet
- Alabama/Florida border to the Okaloosa/Walton County Line: 4 to 6 feet
- Okaloosa/Walton County Line to Indian Pass, Florida: 2 to 4 feet
- Indian Pass to Crystal River, Florida: 1 to 3 feet

In addition to the storm surge, Hurricane Nate is expected to produce 3 to 6 inches of rain, with maximum amounts of 10 inches, to the east of the Mississippi River from the central Gulf Coast into the Deep South, the eastern Tennessee Valley, and the southern Appalachians. Rainfall accumulations of 2 to 4 inches, with maximum amounts of 6 inches, are expected from the lower Ohio Valley to the central Appalachians. Isolated tornadoes will be possible this afternoon over parts of the central Gulf Coast region.

The storm is forecast to make landfall along the U.S Gulf Coast sometime tonight, impacting portions of the U.S. coastline between Louisiana and Florida. According to the Interior Geospatial Emergency Management System (IGEMS), there are 52 DOI lands/facilities and 1,877 DOI personnel in the watch/warning areas and inland along the projected storm's path through 7:00 p.m. on October 8. These numbers are approximates, based on the data available to IGEMS. The DOI lands/facilities are listed below.



<b>Alabama</b>		
Bureau of Indian Affairs (1)	Poarch Creek Reservation	
U.S. Fish and Wildlife Service (11)	Eufaula National Wildlife Refuge (NWR) Wheeler NWR Mountain Longleaf NWR Cahaba River NWR Watercress NWR Sauta Cave NWR Fern Cave NWR Key Cave NWR Grand Bay NWR Bon Secour NWR Choctaw NWR	
National Parks Service (5)	Natchez Trace Parkway and National Scenic Trail Tuskegee Airmen National Historic Site Horseshoe Bend National Military Park Selma to Montgomery National Historic Trail Little River Canyon National Preserve	
<b>Florida</b>		
U.S. Fish and Wildlife Service (1)	St. Vincent NWR	
Bureau of Indian Affairs (1)	Poarch Creek Reservation	
National Parks Service (1)	Gulf Islands National Seashore	
<b>Louisiana</b>		
Bureau of Indian Affairs (3)	Chitimacha Reservation Coushatta Reservation Tunica-Biloxi Reservation	
Fish and Wildlife Service (9)	Tensas River NWR Mandalay NWR Big Branch Marsh NWR Atchafalaya NWR Cat Island NWR Bogue Chitto NWR	Breton NWR Bayou Sauvage NWR Delta NWR
National Parks Service (2)	Jean Lafitte NHPP Vicksburg National Military Park	

Mississippi	
Bureau of Indian Affairs (1)	Choctaw Reservation
National Park Service (2)	Tupelo National Battlefield Natchez National Historic Park
U.S. Fish and Wildlife Service (15)	Panther Swamp NWR                      St. Catherine Creek NWR Holt Collier NWR                         Mississippi Sandhill Crane NWR Matthews Brake NWR                      Bogue Chitto NWR Coldwater River NWR                      Grand Bay NWR Tallahatchie NWR Hillside NWR Morgan Brake NWR Theodore Roosevelt NWR Private John Allen National Fish Hatchery (NFH) Sam D. Hamilton Noxubee NWR Meridian NFH

### **DOI Support to FEMA Interagency Response and Recovery Efforts**

#### **Emergency Support Function (ESF) #5 (Information and Planning)**

- *ESF #5 – United States Geological Survey (USGS):* Twelve personnel are deploying up to 25 storm surge sensors (SSS) and two rapid deployment gages (RDGs) on the southeastern Louisiana coast under MA LA-17100401-USGS-01. Ten personnel are deploying up to 30 SSS and three RDGs on the Mississippi and Alabama coasts, and two personnel are deploying up to 10 storm surge sensors (SSS) and two rapid deployment gages (RDGs) on the western Florida Panhandle coast under a pending MA.

#### **ESF #13 (Public Safety and Security)**

- *ESF #13 - Office of Law Enforcement and Security (OLES):* DOI Quick Response Team (QRT) 1, consisting of 25 personnel, is currently on standby and has been notified of a possible deployment as early as today. The team will likely be reporting to Shreveport, Louisiana. DOI QRT 2 currently consists of 17 personnel, and ESF #13 is seeking an additional 8 personnel to complete the team. Once QRT 2 is fully staffed, the team will report to Shreveport upon receipt of deployment orders.

### **DOI Bureau and Office Reporting:**

#### **National Park Service (NPS) Update**

*Source: National Park Service – October 6, 2017*

The National Park Service (NPS) has begun tracking Hurricane Nate and initiating their Hurricane Response Plans along the Gulf Coast. The following NPS park updates have been provided:

#### **Gulf Coast Parks**

- *Jean Lafitte National Park (JELA) / New Orleans Jazz National Historic Park (JAZZ):* The Jean Lafitte National Park and the New Orleans Jazz National Historic Park are currently open and have activated their Hurricane Response Plan. The NPS is anticipating a closure for the Barataria Preserve and the Chalmette Battlefield on October 8.

- *Gulf Islands National Seashore (GUIS)*: The Gulf Islands National Seashore remains partially open. The Florida District and Mississippi District are expected to be closed until further notice. All active Research Permittees, Commercial Use Authorization (CUA) holders, and Non-Profit Special Use Permit (SUP) holders have been notified of the closure. Asphalt contractors have also been notified of the closure and requested to demobilize as per the hurricane plan. On October 9, crews plan to evaluate the park, determine the level of damage, and make an assessment on when the districts can reopen. The Mississippi District Barrier Islands and Davis Bayou, including the campground, are expected to be closed until further notice.

#### **United States Geological Survey (USGS) Update**

*Source: United States Geological Survey – October 6, 2017*

The USGS is coordinating with mission partners to ensure that scientific data is properly collected and analyzed for this storm event. A recent preliminary projection by USGS coastal erosion experts indicates that Hurricane Nate could cause erosion along about 70-percent of the sandy beaches from the Florida Panhandle through southeastern Louisiana's coastal barrier islands. The projection, which will be updated before the fast-moving storm's landfall, also shows that approximately half of the protective sand dunes along that stretch of coast will be over-washed by Nate's storm waves. Additional information about projections and data can be found at the [USGS Hurricane Nate](#) website, and [coastal change forecasts](#) have also been provided by the USGS.

#### **United States Bureau of Reclamation (USBR) Update**

*Source: United States Bureau of Reclamation – October 6, 2017*

The USBR initiated a data call for employee accountability on October 5 and has also identified staff on travel to the likely storm-impacted areas between October 5 and October 13. There are no USBR facilities in the area that is likely to be impacted by Hurricane Nate. The USBR will provide updates on employee accountability after the storm makes landfall.

#### **Bureau of Safety and Environmental Enforcement (BSEE) Update**

*Source: Bureau of Safety and Environmental Enforcement – October 6, 2017*

BSEE is reporting that personnel have been evacuated from a total of 66 production platforms, equivalent to 8.96-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from five non-dynamically positioned (non-DP) rigs, equivalent to 25-percent of the non-DP rigs currently operating in the Gulf of Mexico. Eleven DP rigs have moved off the location in order to safely move the rig out of the path of the storm. This is equivalent to 61-percent of the DP rigs currently in operation in the Gulf of Mexico.

The shut-in oil production is 1,243,753 barrels of oil per day (BOPD), which is equivalent to 71.1-percent of the daily production of oil in the Gulf of Mexico. The shut-in gas production is 1713.31 million cubic feet per day (MMCFD), which is equivalent to 53.2-percent of the daily production of gas in the Gulf of Mexico.

BSEE is also reporting that assessments will be conducted to their facilities in the path of Hurricane Nate once the storm passes. The decision on whether or not to open the facilities will likely be made on Monday.

**Other Federal and State Government Reporting:****Emergency Disaster Declaration – Louisiana**

*Source: Federal Emergency Management Agency – October 7, 2017*

On October 6, an Emergency Disaster Declaration was approved for the State of Louisiana (FEMA-3392-EM-LA) for Hurricane Nate beginning on October 5 and continuing. The declaration provides for emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75-percent funding for 17 parishes.

**DHS National Operations Center Situational Update**

*Source: DHS National Operations Center – October 7, 2017*

The FEMA Region IV Regional Response Coordination Center (RRCC) will activate to Level II (Day shift only) at noon today, and the FEMA Region VI RRCC is currently activated to Level II. The U.S. Coast Guard (USCG) is positioning response assets, small boats, and personnel prior to the arrival of Hurricane Nate to ensure the rapid deployment of resources when it is safe to respond. National Guard personnel in Alabama, Louisiana, Mississippi, and Florida are positioned along the coast for post-landfall response, search and rescue, traffic control, and high water rescue missions. The following state updates have been provided:

- Alabama: The Governor declared a State of Emergency, and voluntary evacuations were ordered for the barrier islands and flood-prone areas. The Emergency Operations Center (EOC) is at Level 3 (Partial Activation).
- Florida: The Governor declared a State of Emergency in 20 counties, and media sources indicate that areas around Pensacola have been issued an evacuation order due to the potential for a dangerous storm surge. The EOC is at Level I (Full Activation).
- Louisiana: The Governor declared a State of Emergency, and evacuation orders have been issued for some areas. The EOC is at Level I (Full Activation), and an Incident Management Assistance Team (IMAT) has been deployed to the Louisiana EOC.
- Mississippi: The Governor declared a State of Emergency in the six southernmost counties, and the City of Biloxi has declared a local State of Emergency. Mississippi has commenced voluntary evacuations of coastal areas. The Mississippi EOC is at Level 3 (Partial Activation).

**Future Actions:** The Interior Operations Center (IOC) will continue to monitor Hurricane Nate and requests that Bureau/Office Emergency Management Coordinators report any impacts to DOI personnel, lands, and/or facilities that may occur as a result of the storm.

**Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials  
 Select Individuals/Interagency



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-21c-17

**Subject:** Tropical Storm Nate

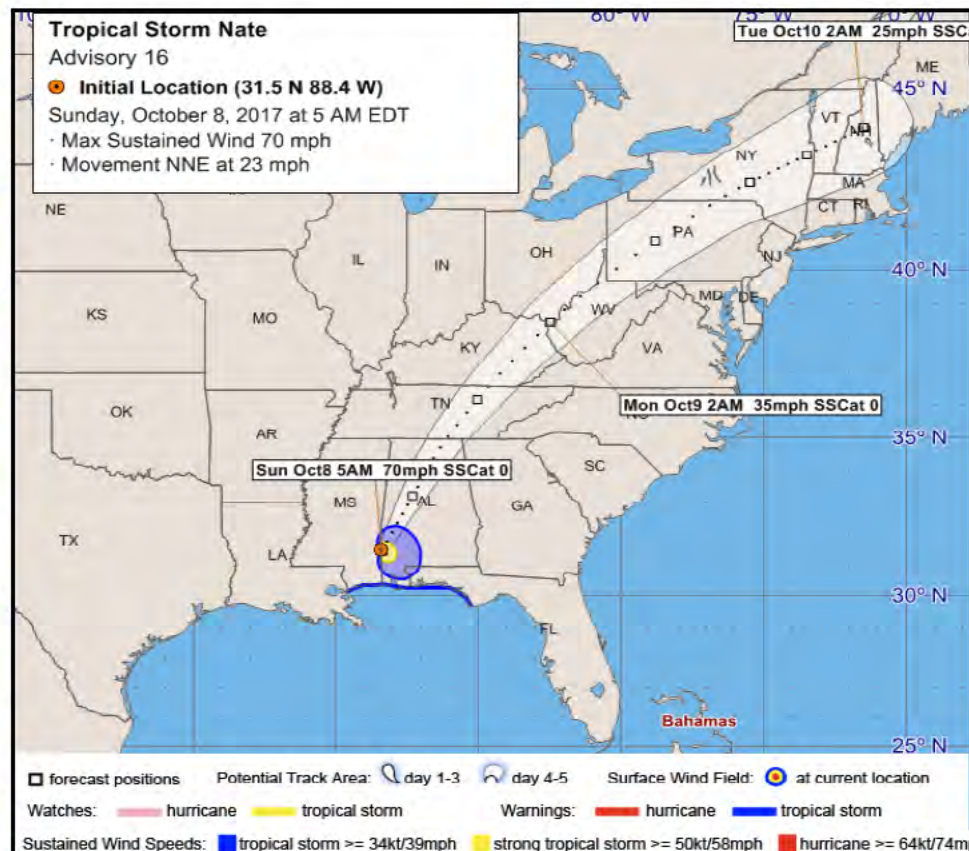
**Date:** October 8, 2017

**Time:** 8:00 a.m. EDT

**Location:** Gulf Coast Region

**Update:** Update #3

**General Situation:**



HURREVAC Image

The National Hurricane Center is reporting that Nate has weakened into a tropical storm, and all Hurricane Warnings have been discontinued. At 5:00 a.m. EDT, Tropical Storm Nate was located approximately 80 miles to the north-northeast of Biloxi, Mississippi and moving to the north-northeast at 23 miles per hour (mph). A turn toward the northeast, with an increase in forward speed, is expected during the next couple of days. On the forecast track, Nate's center will continue to move across the Deep South, the Tennessee Valley, and the central Appalachians through Monday. Maximum sustained winds are 70 mph, with higher gusts, and the storm is expected to continue to rapidly weaken as it moves farther inland. Tropical storm-force winds extend outward up to 90 miles from the storm's center. The following watches and warnings are in effect:

Tropical Storm Warning

- Mouth of the Pearl River at the Mississippi/Louisiana border eastward to Indian Pass, Florida

Storm Surge Warning

- North of Pointe a la Hache, Louisiana to the Okaloosa/Walton County Line, Florida

Tropical storm conditions are expected to continue in the warning area for the next several hours. The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The deepest water will occur along the immediate coast near and to the east of the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle and can vary greatly over short distances. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide:

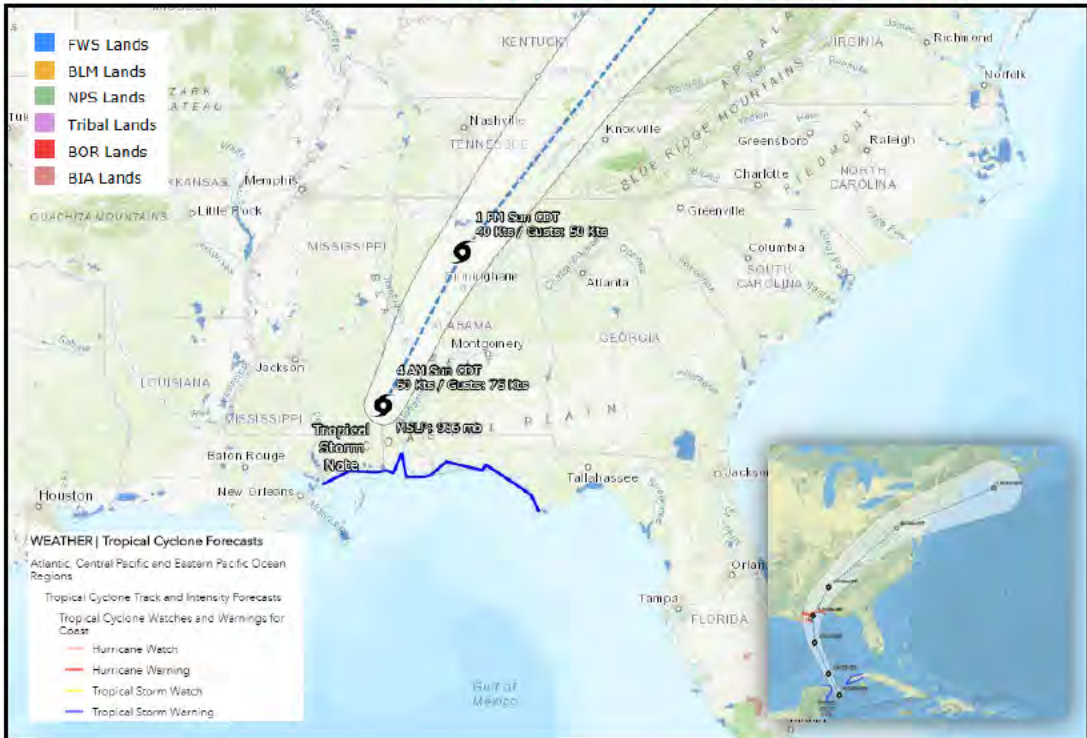
- Mouth of the Pearl River to the Mississippi/Alabama border: 5 to 8 feet
- North of Pointe a la Hache to the mouth of the Pearl River: 4 to 6 feet
- Alabama/Florida border to the Okaloosa/Walton County Line: 3 to 5 feet
- Morgan City, Louisiana to Pointe a la Hache: 1 to 3 feet
- Okaloosa/Walton County Line to Indian Pass, Florida: 2 to 3 feet
- Indian Pass to Crystal River, Florida: 1 to 3 feet

In addition to the storm surge, Tropical Storm Nate is expected to produce 3 to 6 inches of rain, with maximum amounts of 10 inches, from the central Gulf Coast into the Deep South, the eastern Tennessee Valley, and the southern Appalachians. Rainfall accumulations of 2 to 5 inches, with maximum amounts of 7 inches, are expected from the lower Ohio Valley to the central Appalachians.

Isolated tornadoes are possible today, mainly from the Florida Panhandle to western and northern Georgia. Swells generated by Nate will continue to affect land areas around the Gulf of Mexico through this evening. These swells will likely cause life-threatening surf and rip current conditions.

Nate made landfall along the U.S Gulf Coast last night, impacting portions of the U.S. coastline between Louisiana and Florida. According to the Interior Geospatial Emergency Management System (IGEMS), there are 52 DOI lands/facilities and 1,758 DOI personnel in the current watch/warning areas and inland along the projected storm's path through this evening. These numbers are approximates, based on the data available to IGEMS. The DOI lands/facilities are listed below.





<b>Alabama</b>	
Bureau of Indian Affairs (1)	Poarch Creek Reservation
U.S. Fish and Wildlife Service (11)	Eufaula National Wildlife Refuge (NWR) Wheeler NWR Mountain Longleaf NWR Cahaba River NWR Watercress NWR Sauta Cave NWR Fern Cave NWR Key Cave NWR Grand Bay NWR Bon Secour NWR Choctaw NWR
National Parks Service (5)	Natchez Trace Parkway and National Scenic Trail Tuskegee Airmen National Historic Site Horseshoe Bend National Military Park Selma to Montgomery National Historic Trail Little River Canyon National Preserve
<b>Florida</b>	
U.S. Fish and Wildlife Service (1)	St. Vincent NWR
Bureau of Indian Affairs (1)	Poarch Creek Reservation
National Parks Service (1)	Gulf Islands National Seashore
<b>Georgia</b>	
U.S. Fish and Wildlife Service (3)	Eufaula NWR Piedmont NWR Warm Springs National Fish Hatchery
National Park Service (3)	Chattahoochee River National Recreation Area Chickamauga and Chattanooga National Military Park Kennesaw Mountain National Battlefield Park
<b>Louisiana</b>	
Fish and Wildlife Service (6)	Breton NWR Mandalay NWR Big Branch Marsh NWR
	Bogue Chitto NWR Bayou Sauvage NWR Delta NWR

Mississippi																							
Bureau of Indian Affairs (1)	Choctaw Reservation																						
National Park Service (4)	Tupelo National Battlefield Natchez National Historic Park Shiloh National Battlefield Brices Cross Roads National Battlefield Site																						
U.S. Fish and Wildlife Service (15)	<table border="0"> <tr> <td>Panther Swamp NWR</td> <td>St. Catherine Creek NWR</td> </tr> <tr> <td>Holt Collier NWR</td> <td>Mississippi Sandhill Crane NWR</td> </tr> <tr> <td>Matthews Brake NWR</td> <td>Bogue Chitto NWR</td> </tr> <tr> <td>Coldwater River NWR</td> <td>Grand Bay NWR</td> </tr> <tr> <td>Tallahatchie NWR</td> <td></td> </tr> <tr> <td>Hillside NWR</td> <td></td> </tr> <tr> <td>Morgan Brake NWR</td> <td></td> </tr> <tr> <td>Theodore Roosevelt NWR</td> <td></td> </tr> <tr> <td>Private John Allen National Fish Hatchery (NFH)</td> <td></td> </tr> <tr> <td>Sam D. Hamilton Noxubee NWR</td> <td></td> </tr> <tr> <td>Meridian NFH</td> <td></td> </tr> </table>	Panther Swamp NWR	St. Catherine Creek NWR	Holt Collier NWR	Mississippi Sandhill Crane NWR	Matthews Brake NWR	Bogue Chitto NWR	Coldwater River NWR	Grand Bay NWR	Tallahatchie NWR		Hillside NWR		Morgan Brake NWR		Theodore Roosevelt NWR		Private John Allen National Fish Hatchery (NFH)		Sam D. Hamilton Noxubee NWR		Meridian NFH	
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Sam D. Hamilton Noxubee NWR																							
Meridian NFH																							

## DOI Support to FEMA Interagency Response and Recovery Efforts

### Emergency Support Function (ESF) #5 (Information and Planning)

- ESF #5 – United States Geological Survey (USGS): All employees from the Caribbean-Florida Water Science Center and the Lower Mississippi-Gulf Water Center have returned to their home stations. Mission Assignment (MA) work, under ESF #5, will resume in Florida, Alabama, and Mississippi once conditions allow.

### DOI Bureau and Office Reporting:

#### National Park Service (NPS) Update

Source: *National Park Service – October 7, 2017*

The National Park Service (NPS) continues to track Nate and is reporting park closures as a result of the storm. The following NPS park updates have been provided:

#### Gulf Coast Parks

- Jean Lafitte National Park (JELA) / New Orleans Jazz National Historic Park (JAZZ): As of last night, all employees at the park have been accounted for, and the park is utilizing the e-voice system to check the status of their employees. The park is closed and is expected to remain closed through today. All loose equipment was secured prior to the storm's arrival, and all park vehicles were fueled and placed in areas least prone to flooding. Essential systems were taken off-line by park information technology (IT) and maintenance staff to protect the equipment from power surges.

The Acadian Cultural Center and the Prairie Acadian Cultural Center in Lafayette and Eunice are outside of the affected area of the storm and are operating normally. The Barataria Preserve is expected to remain closed through today as storm surge typically pushes water out of Lake Salvador and into the park's trail systems.

Park law enforcement personnel remained on-duty last night to patrol park sites and to enforce closures to keep the public out of at-risk areas until conditions were unsafe for the officers. Law

enforcement personnel will return after the storm passes for an initial assessment of park areas to determine when staff can safely return.

- *Gulf Islands National Seashore (GUIS)*: The park is closed, and all employees were accounted for as of last night.

### **United States Geological Survey (USGS) Update**

*Source: United States Geological Survey – October 7, 2017*

All USGS employees responding to Tropical Storm Nate returned to their home stations awaiting the passage of the storm. Once conditions are deemed safe, personnel will resume field work. The USGS is reporting that Nate is likely to produce beach erosion along nearly 100-percent of the coastlines of Mississippi and Alabama. Approximately 75-percent of the offshore barrier islands will like likely experience overwash conditions. The USGS has established a coordinated data website for [Hurricane Nate](#).

### **Bureau of Safety and Environmental Enforcement (BSEE) Update**

*Source: Bureau of Safety and Environmental Enforcement – October 7, 2017*

Offshore oil and gas operators in the Gulf of Mexico have evacuated platforms and rigs in response to Nate, and the BSEE Hurricane Response Team is activated and monitoring the operators' activities. The team will continue to work with offshore operators and other state and federal agencies until operations return to normal and the storm is no longer a threat to Gulf of Mexico oil and gas activities.

As of October 7, personnel have been evacuated from a total of 302 production platforms or 40.84-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have been evacuated from 13 non-dynamically positioned (DP) rigs, equivalent to 65-percent of the 20 rigs of this type currently operating in the Gulf. Sixteen DP rigs were moved out of Nate's path as a precaution. This number represents 88.9-percent of the 18 DP rigs currently operating in the Gulf.

From operator reports, it is estimated that approximately 92.34-percent of the current oil production in the Gulf of Mexico has been shut-in and approximately 77.01-percent of the natural gas production in the Gulf of Mexico has been shut-in.

After the storm has passed, facilities will be inspected. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Facilities sustaining damage may take longer to bring back on line.

### **Other Federal and State Government Reporting:**

#### **Emergency Disaster Declaration – Mississippi**

*Source: Federal Emergency Management Agency – October 7, 2017*

On October 7, an Emergency Disaster Declaration was approved for the State of Mississippi (FEMA-3393-EM-MS) for Hurricane Nate beginning on October 6 and continuing. The declaration provides for emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75-percent funding for six counties.

**Federal Emergency Management Agency and DHS National Operations Center Situational Update**

*Source: DHS National Operations Center and FEMA – October 8, 2017*

Widespread flooding is being reported across much of the Gulf Coast, and there were approximately 50,000 customers without power in the impacted region at 4:00 a.m. morning. The power outage numbers are expected to increase as the storm continues to move inland. The most significant power outages, approximately 30,000 customers, are being reported in Mississippi. The ports in Pascagoula (Mississippi), Gulfport (Mississippi), Mobile (Alabama), New Orleans (Louisiana), and Houma (Louisiana) are currently closed and will remain so until the storm passes. The following state updates have been provided:

- Alabama: The Governor declared a State of Emergency, and voluntary evacuations were ordered for the barrier islands and flood-prone areas. The Emergency Operations Center (EOC) is at Level 3 (Partial Activation) and will be transitioning to Level 2 today.
- Florida: The Governor declared a State of Emergency in 20 counties, and Escambia County ordered evacuations in storm surge prone areas. The EOC remains at Level I (Full Activation).
- Louisiana: The Governor declared a State of Emergency, and there are currently 10 shelters open across the state with 256 occupants. Minimal power outages have been reported, and there have been no significant road closures. Mandatory evacuations remain in effect for seven jurisdictions across New Orleans. The EOC remains at Level I (Full Activation).
- Mississippi: The Governor declared a State of Emergency in the six southernmost counties, and mandatory evacuations are in effect for residents in the low-lying areas of Hancock County. Voluntary evacuations are in effect for Jackson County, including Davis Bayou, Gulf Park Estates, areas east of Pascagoula, and areas south of Gautier. The Mississippi EOC is at Partial Activation.

**Future Actions:** The Interior Operations Center (IOC) will continue to monitor Hurricane Nate and requests that Bureau/Office Emergency Management Coordinators report any impacts to DOI personnel, lands, and/or facilities that may occur as a result of the storm.

**Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
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 IOS Senior Officials  
 Select Individuals/Interagency



# U.S. Department of the Interior Office of Emergency Management Interior Operations Center



## SPOT Report

**Report Number:** DOI-OEM-SPOTREP-21d-17

**Subject:** Post-Tropical Cyclone Nate

**Date:** October 9, 2017

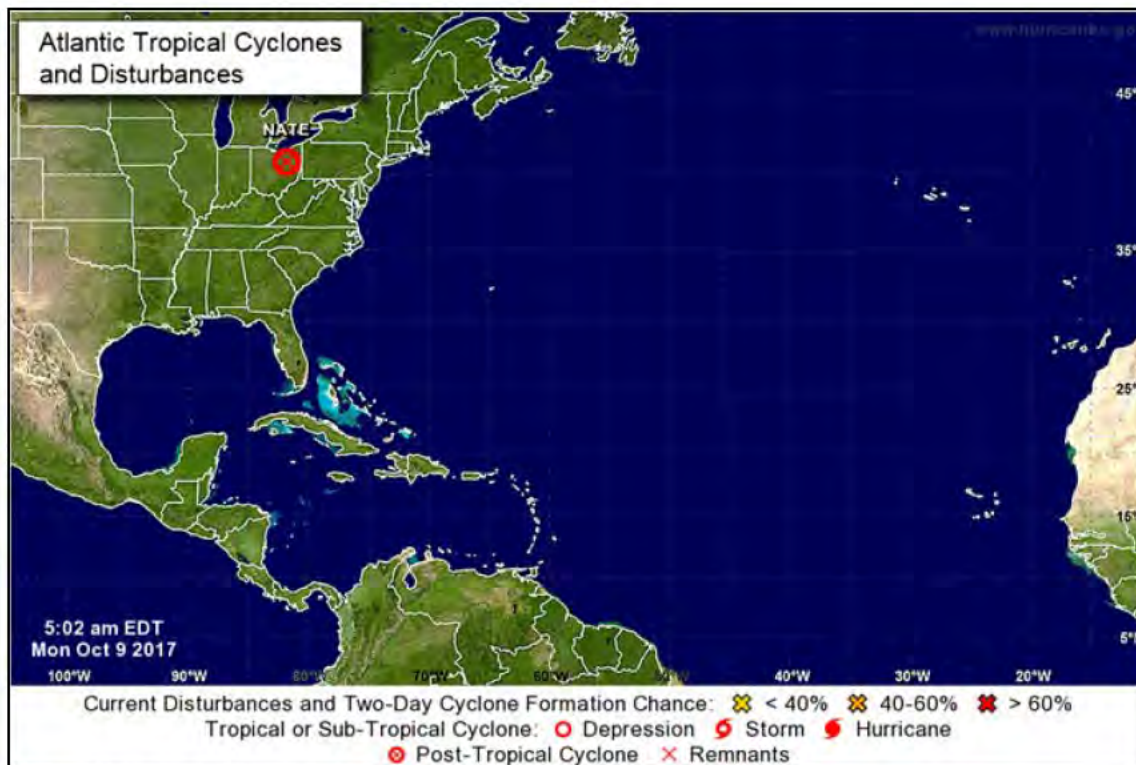
**Time:** 8:00 a.m. EDT

**Location:** Eastern U.S.

**Update:** Final Report

**General Situation:**

**Source:** National Weather Service/National Hurricane Center – October 9, 2017



National Hurricane Center Image

The National Hurricane Center issued a final advisory for Post-Tropical Cyclone Nate yesterday. At 5:00 a.m. EDT this morning, Nate was located approximately 20 miles to the southwest of Akron, Ohio and moving rapidly to the northeast. Moderate to heavy rainfall is occurring in the central Appalachians and the mid-Atlantic. Farther north, tropical moisture is interacting with a frontal boundary stretching from the Ohio Valley through the northern mid-Atlantic and the Northeast, leading to moderate to heavy rainfall for those areas and the lower Great Lakes. Nate is expected to continue tracking northeastward through the Ohio Valley and into the lower Great Lakes during the day today.

## **DOI Support to FEMA Interagency Response and Recovery Efforts**

### **Emergency Support Function (ESF) #5 (Information and Planning)**

- ESF #5 – United States Geological Survey (USGS): The USGS reported that conditions allowed only 2 personnel from the Lower Mississippi-Gulf Water Science Center to perform field work yesterday under Mission Assignment (MA). The remainder of the employees will remain in their home stations until conditions are deemed safe enough for field work to resume.

### **ESF #13 (Law Enforcement and Security)**

- ESF #13 – Office of Law Enforcement and Security (OLES): All of the DOI Quick Response Teams (QRTs) that were assembled for Nate have been given the stand down order as no deployment is necessary. This will be the final ESF #13 update for Nate.

## **DOI Bureau and Office Reporting:**

### **National Park Service (NPS) Update**

Source: National Park Service – October 8, 2017

The NPS is reporting the following park closures as a result of Nate:

#### **Gulf Coast Parks**

- Jean Lafitte National Historic Park and Preserve (JELA) / New Orleans Jazz National Historic Park (JAZZ): All employees at the parks have been accounted for. The parks are closed and are expected to remain closed through today.
- Gulf Islands National Seashore (GUIS): All employees at the park have been accounted for. The park remains closed and is currently without internet or phone service due to a necessary system shutdown.

### **Bureau of Safety and Environmental Enforcement (BSEE) Update**

Source: Bureau of Safety and Environmental Enforcement – October 8, 2017

Offshore oil and gas operations in the Gulf of Mexico remain evacuated from platforms and rigs in response to Nate, and the BSEE Hurricane Response team is monitoring the operators' activities. The team will continue to work with offshore operators and other state and federal agencies until oil and gas operations return to normal in the Gulf of Mexico.

As of October 8, personnel remain evacuated from 298 production platforms, which is 40.43-percent of the 737 manned platforms in the Gulf of Mexico. Personnel have also been evacuated from 14 non-dynamically positioned (DP) rigs, equivalent to 70-percent of the 20 rigs of this type currently operating in the Gulf. Ten

DP rigs were moved off location as a precaution. From the operator reports, it is estimated that approximately 92.61-percent of the current oil production and 77.74-percent of the natural gas production in the Gulf of Mexico has been shut-in.

Operators will begin to re-board and inspect their facilities since the storm has passed. Once all standard checks have been completed, production from undamaged facilities will be brought back on line immediately. Any facilities sustaining damage may take longer to bring back on line. As of October 8, no damages have been reported.

### **U.S. Bureau of Reclamation (USBR) Update**

*Source: U.S. Bureau of Reclamation – October 8, 2017*

The USBR monitored Nate through landfall and has conducted data calls for employee accountability. There have been no reported impacts to USBR employees as a result of Nate.

### **Other Federal and State Government Reporting:**

#### **Federal Emergency Management Agency and DHS National Operations Center Situational Update**

*Source: Federal Emergency Management Agency and DHS National Operation Center – October 9, 2017*

FEMA is reporting that power has been restored to most customers along the Gulf Coast. Roadway flooding continues to subside, and debris removal is ongoing in the affected areas. Shelter populations are declining. The ports in Louisiana have opened, but the ports in Pascagoula (Mississippi), Gulfport (Mississippi), Mobile (Alabama), and Pensacola (Florida) remained closed as of last night. All affected airports have reopened.

All curfews and evacuations have been lifted in Alabama and Florida. In Louisiana, mandatory evacuations remain for the town of Jean Lafitte, the town of Grand Isle, and Orleans Parish. Voluntary evacuations remain for Jefferson Parish and Terrebonne Parish.

The FEMA Region IV Regional Response Coordination Center (RRCC) and the FEMA Region VI RRCC have been deactivated. Incident Management Assistance Teams (IMATs) remain deployed to Florida, Georgia, and Alabama. The IMAT deployed to Mississippi will return to its home station tomorrow. The Alabama and Louisiana Emergency Operation Centers (EOCs) are at Full Activation, and the Mississippi and Florida EOCs are at Partial Activation.

**Future Actions:** This will be the final Spot Report for Nate, and any additional reporting on the storm will occur during the Monday-Friday reporting cycle. DOI Bureau and Office Emergency Management Coordinators are requested to continue to report any impacts to DOI personnel, lands, and/or facilities that may have occurred as a result of this storm.

#### **Distribution:**

Assistant Secretaries  
 Bureau Heads  
 Deputy Assistant Secretaries  
 EM Coordinators and Alternates  
 EM-ICAT  
 EM-Incident Support Team  
 EM-Regional Emergency Management Contacts  
 IOS Senior Officials  
 Select Individuals/Interagency

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, April 3, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

**Source: Fire and Aviation Management Website - April 3, 2017**

### Florida Fires

#### **Parliament Fire**

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,471 (no change)
- Containment: 90-percent (+15)
- Management: Type-4 IMT
- Personnel Assigned / DOI: 67 (-12) / 43 (-9)
- Structures Threatened-Single-Mixed Residential/Commercial: 14 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 11

Comments: Minimal fire behavior was observed during this reporting period. The fire threatens habitat of the Red-cockaded Woodpecker, Florida panther, and Bonneted Bat. This fire is being fought under a confine strategy, and demobilization of resources is expected to begin on April 5.





IGEMS Image

**Wildland Fire Incident Management Situation Report**

*Source: National Interagency Fire Center – March 31, 2017*

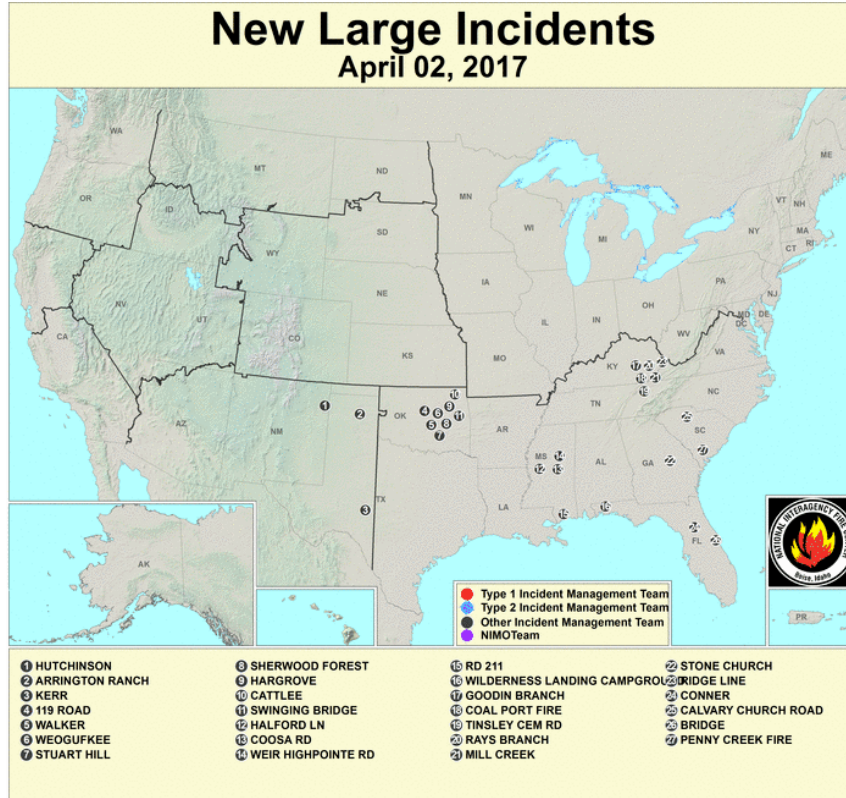
**National Preparedness Level 1**

**National Fire Activity (March 24 - March 30)**

Initial attack activity:	Light (884 new fires)
New large fires:	31
Large fires contained:	48
Uncontained large fires: **	7
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	0
Type 2 IMTs committed:	0

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

## Fire Map



## Volcano Activity

### Bogoslof Volcano, AK

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity was detected in seismic or infrasound data during the reporting period. Satellite observations were obscured by clouds. The volcano remains at a heightened state of unrest and is in an unpredictable condition. Additional explosions producing high-altitude volcanic clouds could occur at any time. The AVO has no ground-based volcano monitoring equipment on Bogoslof volcano and relies on information from the Worldwide Lightning Location Network, satellite images, and data from seismic and infrasound instruments on nearby islands for indications of volcanic activity.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant volcanic activity has been detected in seismic and infrasound data, and satellite observations were obscured by clouds. It is possible that short-lived, low-level explosive activity could occur with little or no warning. Cleveland volcano is monitored with a limited real-time seismic network, which inhibits AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 2, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a lava delta has begun to form. Surface flows from a March 5 breakout are still active within 1.6 miles of the vent on Pu‘u ‘Ō‘ō. These lava flows pose no threat to nearby communities at this time. The summit lava lake was about 59 feet below the Overlook crater rim when measured Sunday morning.

## **Significant National Weather**

*Source: National Oceanic and Atmospheric Administration National Weather Service - April 3, 2017*

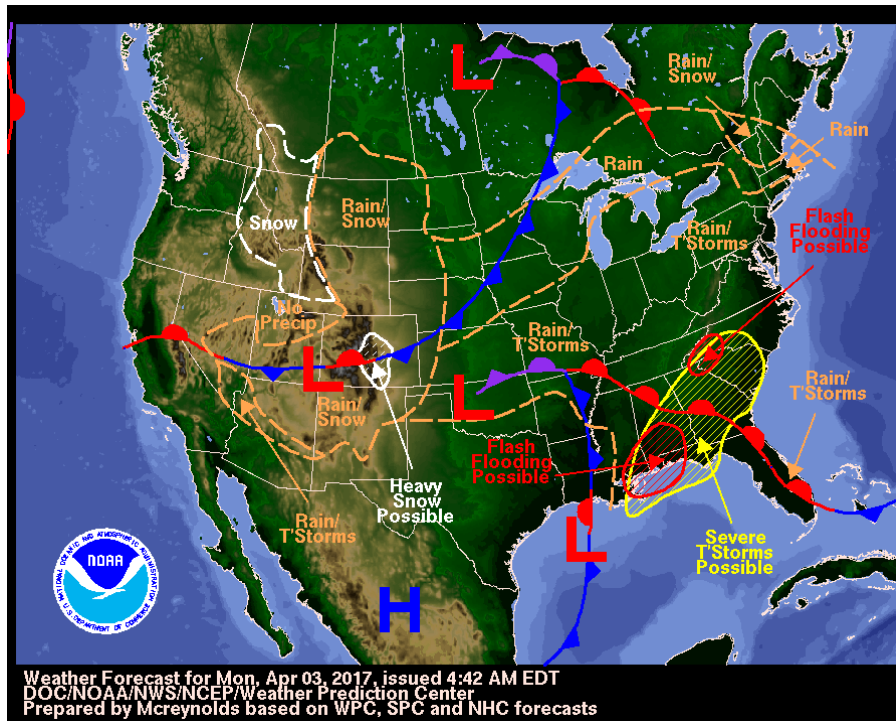
### **Today:**

Severe weather and flash flooding will be a concern as a cold front slowly moves across Texas toward the Southeast. A high risk for severe weather is forecast across eastern Texas into Louisiana. In addition, areas along the western Gulf Coast are in at least a slight risk of severe weather as a complex of thunderstorms continues on an easterly track. Flash flooding will also be an issue for parts of eastern Texas and the lower Mississippi Valley, along with a moderate risk for flash flooding in central Louisiana and western Mississippi. The threat for severe weather and flash flooding shifts to the Southeast as a front moves across this region, with severe weather occurring from the central Gulf Coast and into South Carolina.

### **Tomorrow:**

A cold front will drop southeast across the Intermountain West and the Rockies, bringing precipitation chances to these regions, with higher elevation snow expected in the northern Rockies. Precipitation is expected throughout the central Great Basin and the central Rockies, including higher elevation snow. As this system continues moving south and intensifies over the Plains, precipitation and snow will increase, especially across Colorado. This system will move

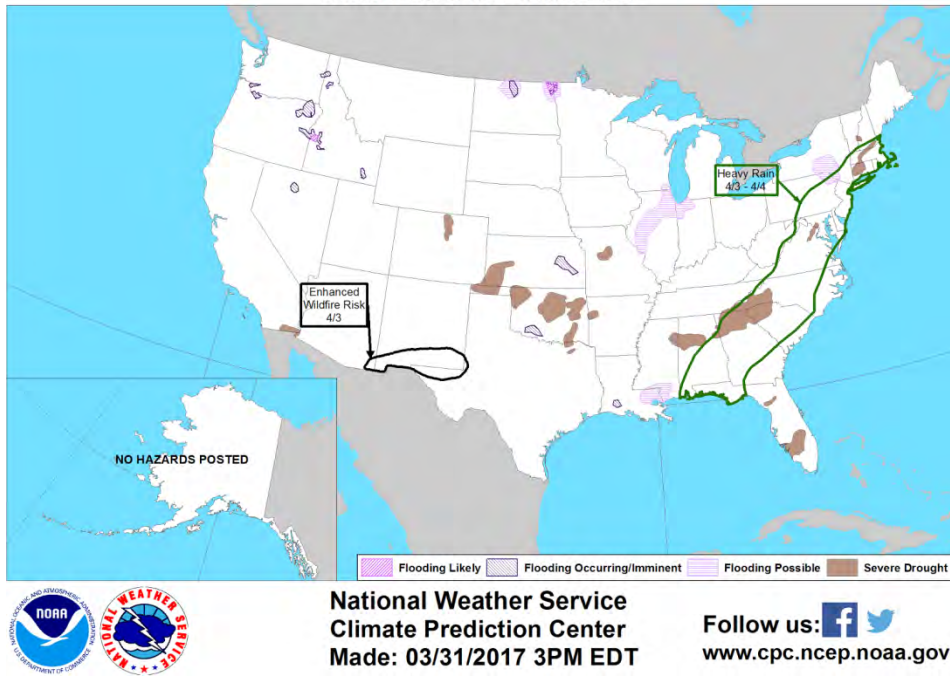
over the Plains, bringing temperature changes across the Plains and into the middle and lower Mississippi Valley.



### Weather Hazard Assessment

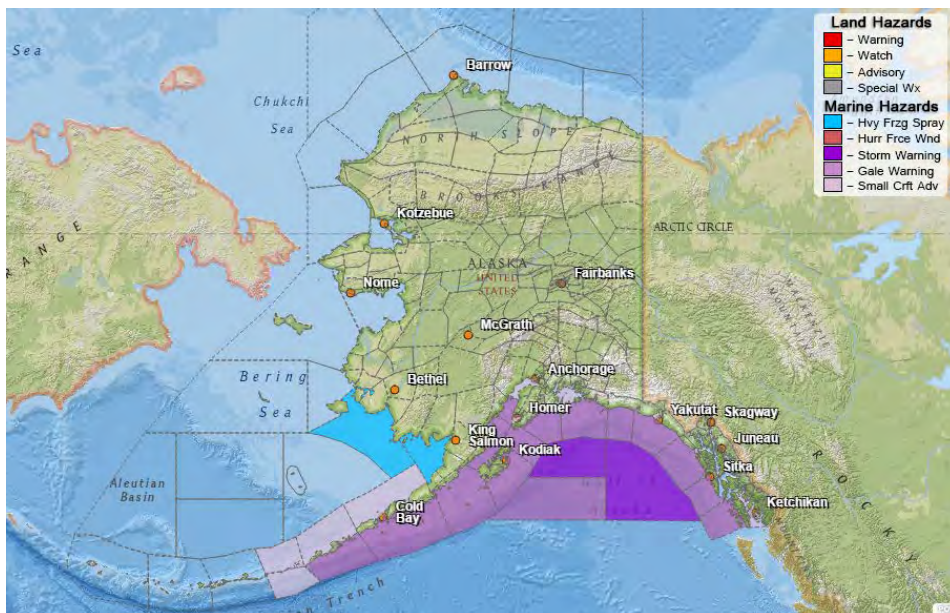
- April 3: Critical fire weather forecast parts of western Texas and southern New Mexico.
- April 3: Flooding is occurring, imminent, or possible over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, the Great Plains, the Midwest, the Gulf Coast, and the Northeast.
- April 3: Severe Drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- April 3-4: Heavy rain for parts of the Southeast, the mid-Atlantic, and the Northeast.

**Day 3-7 U.S. Hazards Outlook**  
**Valid: 04/03/2017-04/07/2017**



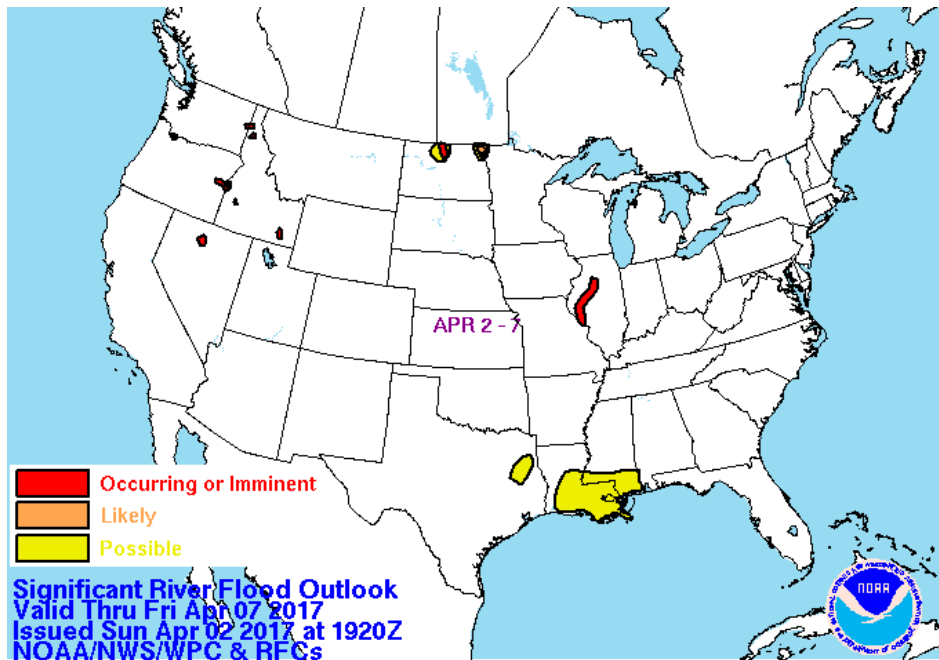
**Alaska Weather**

A Storm Warning is in effect for portions of the Gulf of Alaska. A Gale Warning is in effect from the central Aleutian Islands, through the Gulf of Alaska, to the Dixon Entrance. A Brisk Wind Advisory is in effect for the Kuskokwim Delta, the Etolin Strait, and Bristol Bay. A Small Craft Advisory is in effect for the central and eastern Aleutian Islands, from Seguam to Port Heiden.



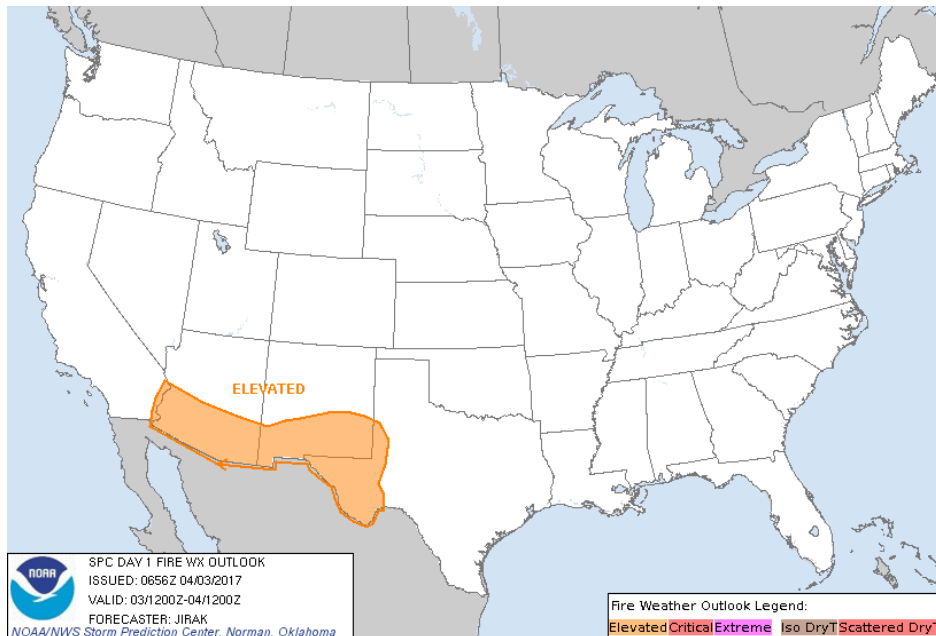
## Significant River Flooding

Significant River Flooding is occurring, likely, or possible over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, the northern Plains, the central and southern Plains, the Midwest, the Gulf Coast, and the Northeast.

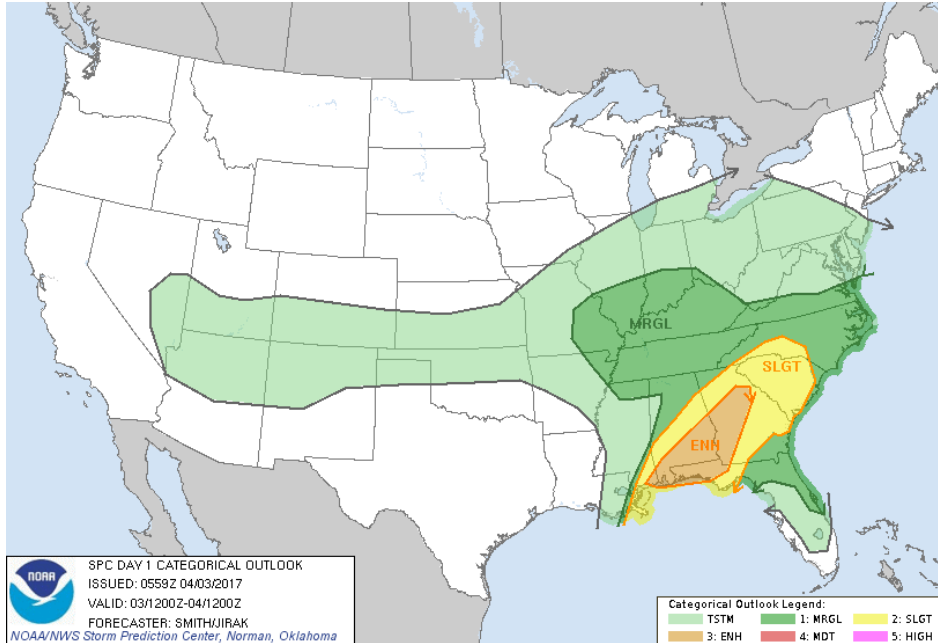


## Fire Weather

There is no Critical Fire Weather forecast for today; however, an area of Elevated Fire Weather extends from southeastern California to western Texas.



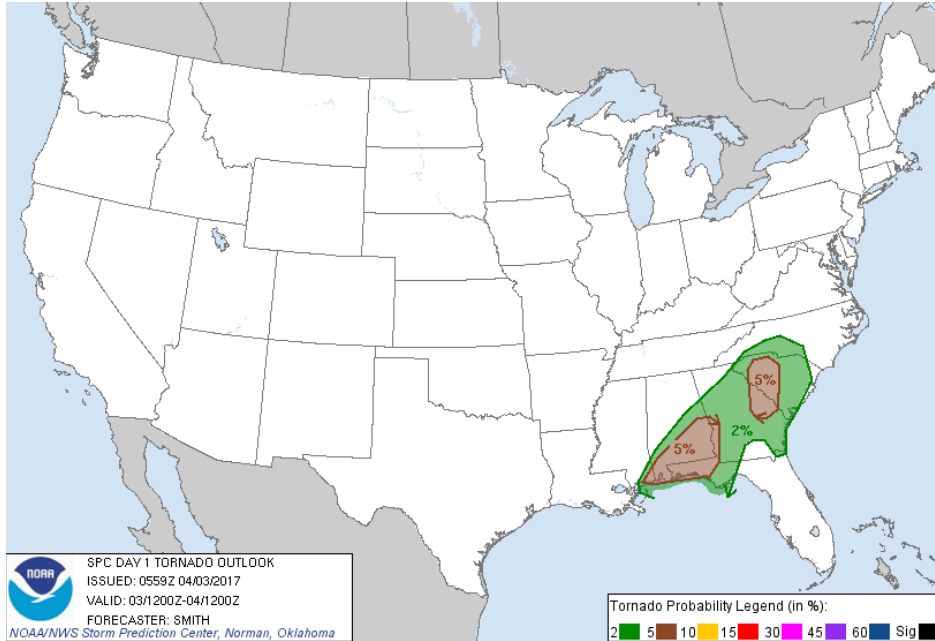
## Severe Weather



There is an Enhanced Risk of severe thunderstorms from the Mississippi and Alabama coasts northeastward into southeastern Alabama, north-central and western Georgia, and the Florida Panhandle. There is a Slight Risk of severe thunderstorms from extreme southeastern Louisiana, northeastward across Alabama, Georgia, and into parts of the Carolinas. There is a Marginal Risk of severe thunderstorms across the Southeast and into southern Virginia and westward into portions of the lower Ohio and middle Mississippi valleys.

## Tornado Weather

There is a 5-percent chance of tornado activity across southeastern Mississippi, much of southern Alabama, the western Florida Panhandle, western Georgia, and central South Carolina into Georgia. There is a 2-percent chance of tornado activity from central North Carolina extending southward into the Florida Panhandle.



*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
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IOS Senior Officials  
Select Individuals/Interagency Partners



# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, April 4, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

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**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
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**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## National Park Service Southeast Region Severe Weather Impacts

*Source: National Park Service – April 3, 2017*

On April 3, the National Park Service (NPS) Southeast Region (SER) reported that it was monitoring NPS park units in Louisiana, Mississippi, Alabama, Florida, and Georgia due to severe weather moving through the area. In Louisiana, the Jean Lafitte National Historical Park and Preserve and the New Orleans Jazz National Historical Park delayed their openings until 9:00 a.m. CDT yesterday. In Mississippi, the Vicksburg National Military Park reported severe weather on Sunday night, with some areas receiving more than 6 inches of rain in 12 hours. The park has reported downed trees and blocked sections on the tour road, which will remain closed until further notice. The park's main visitor center remains open.

The NPS SER will continue to monitor the situation and report any impacts to the NPS Emergency Incident Coordination Center (EICC). As of yesterday morning, NPS park units in the region have not been significantly impacted by the severe weather, and no unmet needs have been identified. Additional reporting on this incident is not expected, unless conditions change.

## **Natural and Cultural Resources Recovery Support Function Activity for Hurricane Matthew and Louisiana Flooding**

*Source: Office of Environmental Policy and Compliance - April 3, 2017*

### **North Carolina - Hurricane Matthew**

On March 31, the Office of Environmental Policy and Compliance (OEPC) Natural and Cultural Resources (NCR) Field Coordinator demobilized from the Federal Emergency Management Agency's (FEMA's) Joint Field Office (JFO) in Durham, North Carolina. The NCR Field Coordinator will continue to facilitate the implementation of NCR recovery efforts remotely. The current Mission Assignment was extended through this month.

### **Louisiana - Severe Storms and Flooding**

On March 31, the OEPC NCR Field Coordinator demobilized from FEMA's JFO in Baton Rouge, Louisiana. The NCR Field Coordinator will continue to facilitate the implementation of NCR recovery efforts remotely. The current Mission Assignment was extended through July.

## **United States Geological Survey Response to Mississippi Flooding**

*Source: U.S. Geological Survey - April 3, 2017*

Heavy rains fell Sunday night in central Mississippi with some gages reporting over 7 inches of rainfall in 12 hours. The heavy rain caused widespread localized flooding on smaller streams. United States Geological Survey (USGS) crews were dispatched to record the event, and this effort will likely continue for most of the week, as the impact of the rains moves to the larger rivers. Flood coordination calls with the Pearl River Valley Water Supply District, the U.S. Army Corps of Engineers, and the National Weather Service were scheduled to begin yesterday concerning the forecast for the Pearl River, above and below the Ross Barnett Reservoir.

### **Wildland Fire Activity**

*Source: Fire and Aviation Management Website - April 4, 2017*

### **Florida Fires**

The Interior Operations Center began to monitor the Cowbell Fire, which is burning in the northeastern portion of the Big Cypress National Preserve, and will initiate daily reporting if the fire reaches 1,000 acres in size. According to Monday's Incident Status Summary (ICS-209) for the Parliament Fire, the Type-2 IMT has assumed command of the Cowbell Fire and shifted all resources from the Parliament Fire to the Cowbell Fire.

### **Parliament Fire**

- Start Date: March 18
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 26,471 (no change)

- Containment: 95-percent (+5)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 0 (-67) / 0 (-43)
- Structures Threatened-Single-Mixed Residential/Commercial: 0 (-14) / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 11

Comments: Minimal fire behavior was observed during this reporting period, and additional perimeter spread is expected to be limited over the next 72 hours. This will be the final report for the Parliament Fire.



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 3, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period, and satellite observations continue to be obscured by clouds. The last major explosive event at Bogoslof occurred on March 8, and occasional high-spatial resolution satellite images of the volcano have shown no significant surficial changes since that time. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic and infrasound data at the Cleveland Volcano during this observation period, and satellite observations were obscured by clouds. It remains possible that short-lived, low-level explosive activity could occur with little or no warning. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 3, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has begun to form. Surface flows from a March 5 breakout remain active above the pali and on the coastal plain. These lava flows pose no threat to nearby communities at this time. The summit lava lake was observed to be about 84 feet below the rim of the Overlook Crater when measured on Monday.

## **Earthquake Activity**

*Source: U.S. Geological Survey (USGS) - April 3, 2017*

The USGS reported that a magnitude 6.5 earthquake occurred on April 3 at 1:40 p.m. EDT, approximately 81 miles west of Moijabana, Botswana at a depth of 18 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages or injuries. The event took place inland; therefore, there was no tsunami threat as a result of the earthquake.

## **Significant National Weather**

*Source: National Weather Service - April 4, 2017*

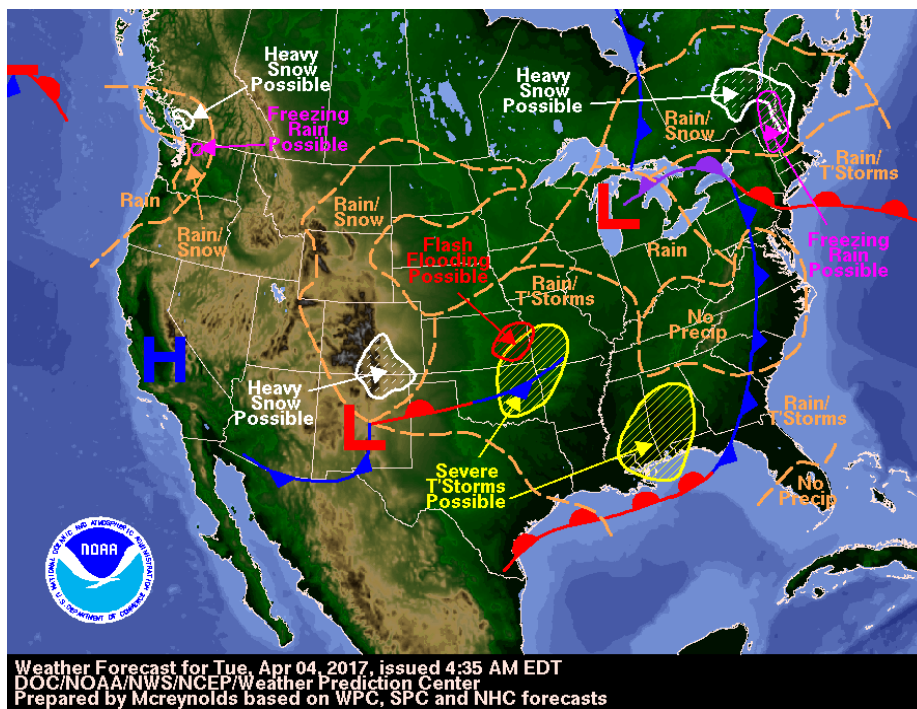
### **Today:**

A low-pressure system off the Atlantic Coast will pull moisture into the Great Lakes region today. Rain and thunderstorms are expected in the Great Lakes, the northern mid-Atlantic, and the Northeast. Given the colder temperatures across the far Northeast, precipitation will change to a mixture of rain, ice, and snow. Flood Watches are in effect for portions of the Northeast, including much of New York. Winter Weather Advisories and Winter Storm Warnings are also in effect farther north, mainly across portions of Maine. Meanwhile, a warm front along the Gulf Coast will allow for shower and thunderstorms throughout the day. These showers and

thunderstorms will intensify throughout the afternoon/evening as the system gains strength and begins to interact with the warm unstable air mass in place across the east-central U.S. Showers and thunderstorms are also expected across the central and southern Plains. Snow is expected to continue from the Rockies into the western Plains, and Winter Weather Advisories and Winter Storm Warnings are in effect from Colorado into northern Arizona.

### Tomorrow:

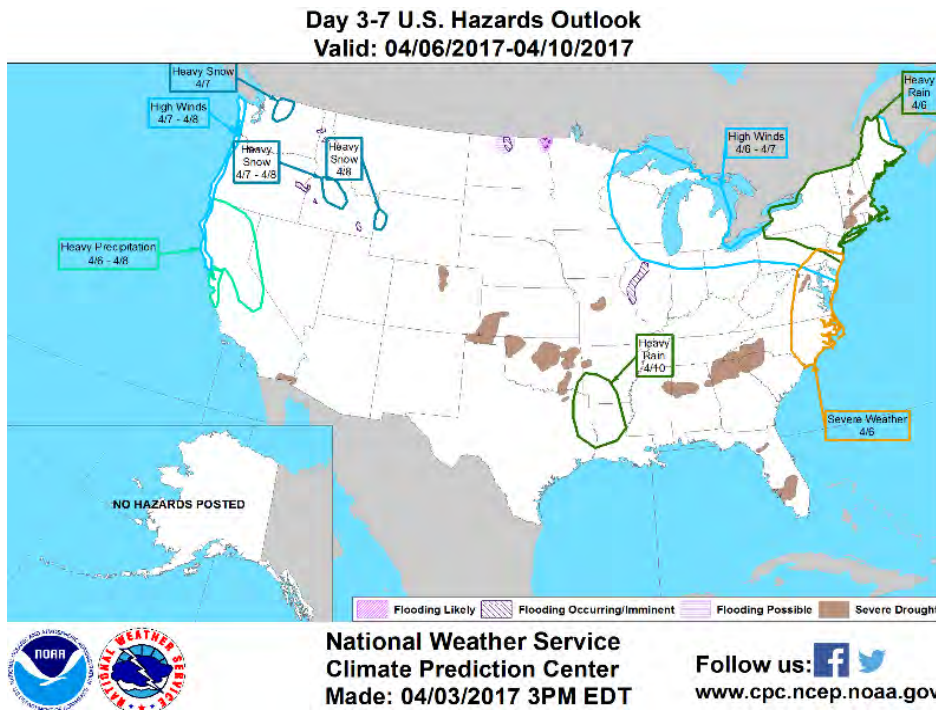
Showers and thunderstorms will move into the Mississippi Valley overnight, continuing across much of the eastern U.S. into Thursday. Flash flooding and severe thunderstorms are possible in portions of the Southeast. A mixture of snow and rain will continue in the northern Rockies, the northern Plains, and the Northeast. Rain is expected across the Pacific Northwest.



### Weather Hazard Assessment

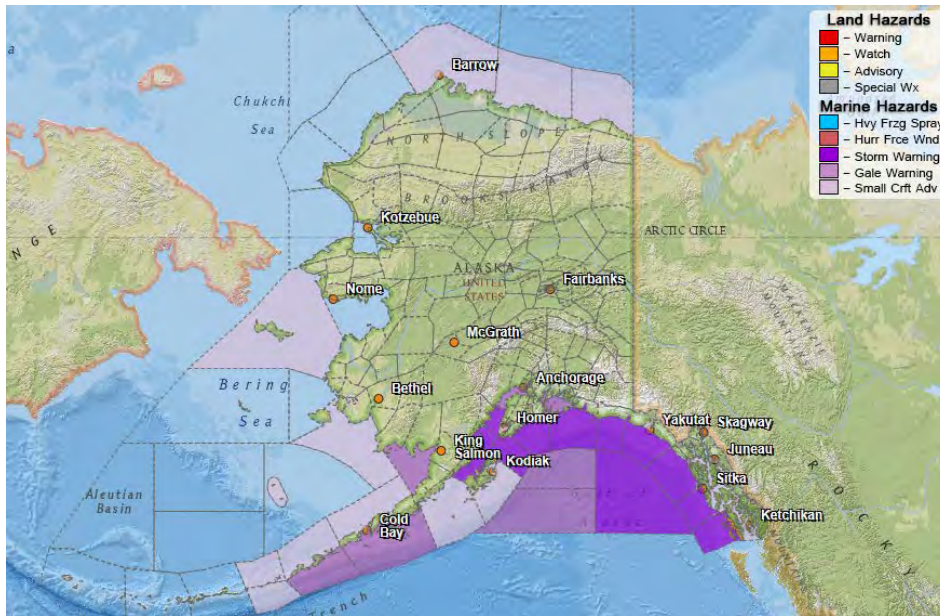
- April 4: Flooding is possible, likely, or occurring over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, the northern Plains, and Illinois.
- April 4: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- April 6: Severe weather for parts of the mid-Atlantic.
- April 6: Heavy rain for parts of the Northeast, the mid-Atlantic, and the Great Lakes.
- April 6-7: High winds for parts of the Great Lakes, the central Appalachians, the mid-Atlantic, and the Northeast.
- April 6-8: Heavy precipitation for parts of northern and central California and the central Great Basin.

- April 7: Heavy snow for parts of the northern Cascades.
- April 7-8: Heavy snow for parts of the Bitterroots.
- April 7-8: High winds for the coastal sections of Washington, Oregon, and northern California.
- April 8: Heavy snow for parts of the northern and central Rockies.
- April 10: Heavy rain for parts of the southern Plains and the lower Mississippi Valley.
- April 11-13: Slight chance of much below normal temperatures for parts of the western United States.



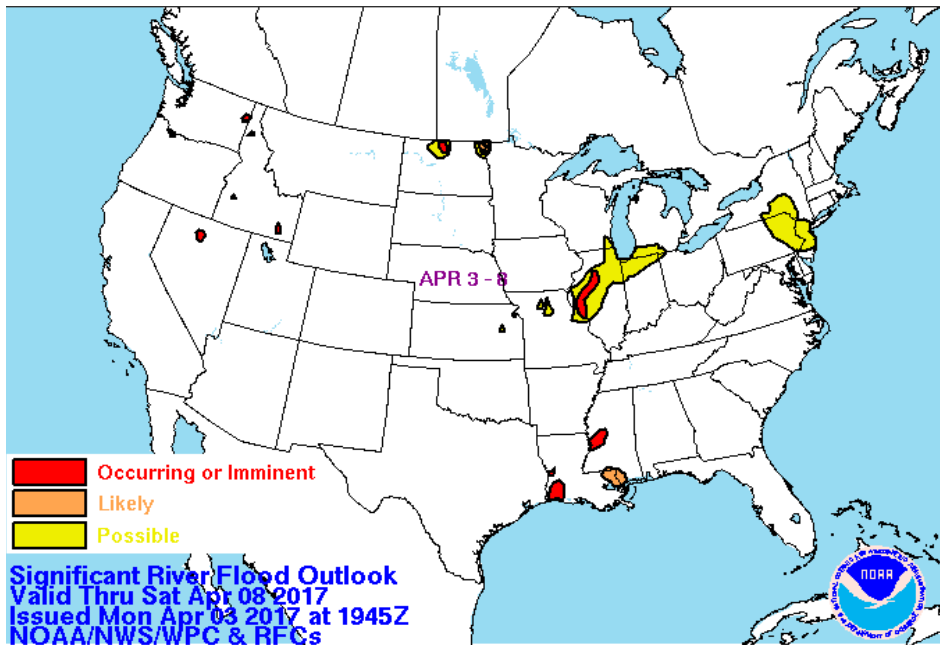
## Alaska Weather

A Storm Warning is in effect today for the central and eastern portions of the Gulf of Alaska, the Shelikof Strait, the central Cook Inlet, and the Barren Islands. There is a Gale Warning in effect in the Prince William Sound, the Bristol Bay, the northern Cook Inlet, and from Nikolski to Castle Cape. There is a Small Craft Advisory in effect in the Pribilof Islands, from Castle Cape to Shuyak Island, from Nikolski to Seguam (Pacific Ocean side), and from Seguam to Port Heiden (Bering Sea side). There is a Brisk Wind Advisory in effect in the Kuskokwim Delta, the Etolin Strait, St. Lawrence Island, from Dall Point to Wales, and from Point Franklin to Demarcation Point.



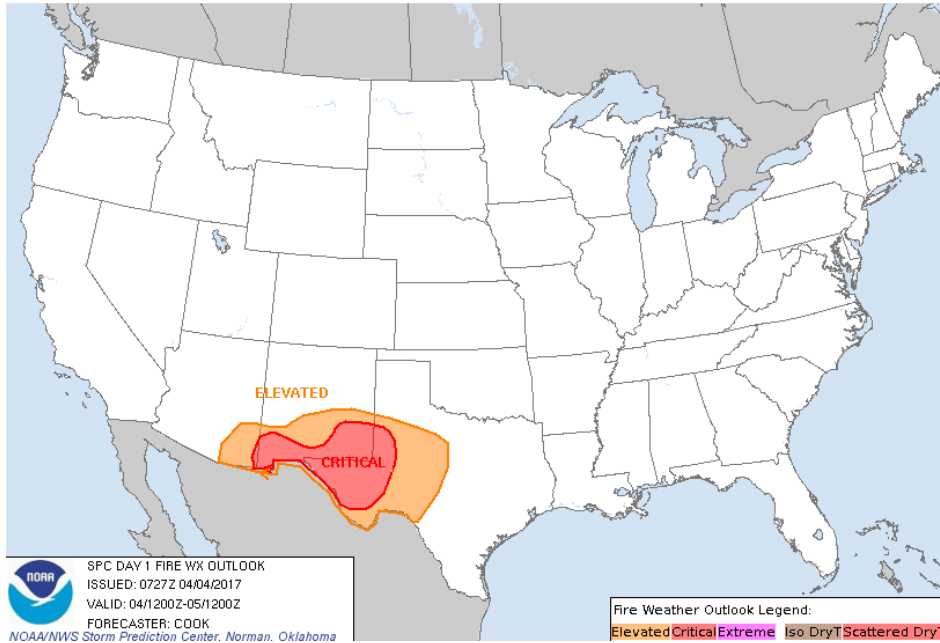
### Significant River Flooding

Significant River Flooding is likely or occurring today in portions of northwestern Oregon, northeastern Washington, Idaho, southwestern Louisiana, southeastern Louisiana, southern Mississippi, east-central Mississippi, western Illinois, and northern North Dakota. Significant River Flooding is possible in portions of eastern Kansas, northern Missouri, northern North Dakota, Illinois, southeastern Wisconsin, southwestern Michigan, northern Indiana, eastern Pennsylvania, south-central New York, and New Jersey.



## Fire Weather

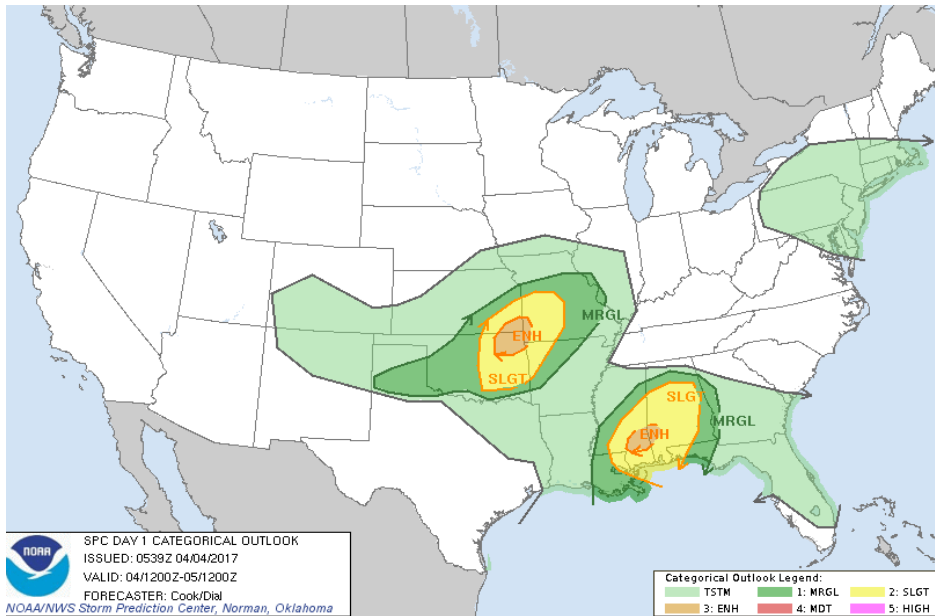
There is Critical Fire Weather forecast for today in portions of western Texas and southern New Mexico. Elevated Fire Weather also exists in these areas and expands into southeastern Arizona.



## Severe Weather

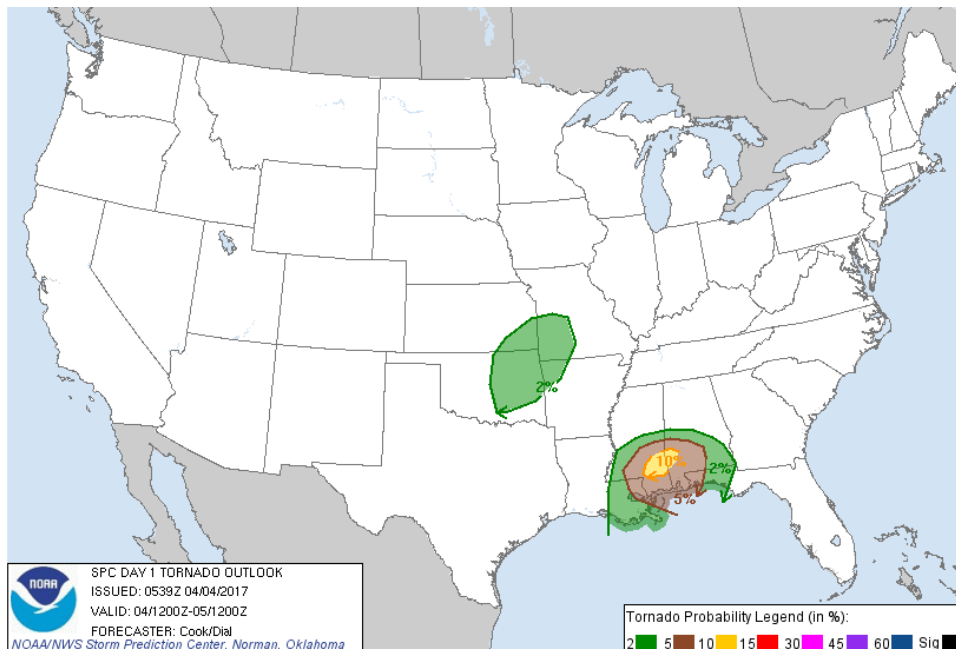
There is an Enhanced Risk of severe thunderstorm activity today across portions of northeastern Oklahoma, southeastern Kansas, southwestern Missouri, southeastern Mississippi, and southwestern Alabama. This is a Slight Risk of severe thunderstorm activity from southern Oklahoma to central Missouri and from southeastern Louisiana to northern Alabama. There is a Marginal Risk of severe thunderstorms from northern Texas to southwestern Illinois and from south-central Louisiana to western Georgia and the Florida Panhandle.





## Tornado Weather

There is a 2 to 10-percent chance of tornado activity today in the central Gulf Coast states from south-central Louisiana to the Florida Panhandle. There is a 2-percent chance of tornado activity across portions of eastern Oklahoma, southeastern Kansas, southwestern Missouri, and northeastern Arkansas.



***\*End of Report\****

**Distribution:**

Assistant Secretaries

Bureau Heads

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EM Coordinators and Alternates

EM-ICAT

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EM-Regional Emergency Management Contacts

IOS Senior Officials

Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, April 5, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

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**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4**

**National Wildland Fire Preparedness Level is 1**

**Bogoslof Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Cleveland Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**

**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 5, 2017*

### Florida Fires

#### **Cowbell Fire (Initial Report)**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 449
- Containment: 0-percent
- Management: Type-2 IMT
- Personnel Assigned / DOI: 146 / 22
- Structures Threatened-Single-Mixed Residential/Commercial: 50 / 0
- Evacuations / Sheltered in place: 0 / 0
- Injuries / Fatalities: 0 / 0
- Containment Date: April 20

Comments: Moderate fire activity was observed during this reporting period, and some additional perimeter growth is likely over the next 72 hours. Numerous structures are in close proximity to the fire, and there is potential for smoke to impact Interstate-75. In addition to the

private residences and the transportation corridors, the fire is threatening infrastructure, federal facilities, threatened and endangered (T&E) species, recreational resources, and cultural resources. The current objective is to keep the fire south of the Big Cypress National Preserve's northern boundary to minimize any potential impacts to Seminole and Miccosukee tribal lands, as well as the Florida Panther National Wildlife refuge on the park's northwestern boundary. Current projections have the fire's perimeter increasing to 2,000 acres.



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 4, 2017

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic or infrasound data at the Bogoslof Volcano during this reporting period, and satellite observations continue to be obscured by clouds. The last major explosive event at Bogoslof occurred on March 8, with a smaller eruption on March 13. Occasional high-spatial resolution satellite images of the volcano have shown no significant surficial changes since that time. The volcano remains at a heightened state of unrest, and additional explosions could occur at any time.

## **Cleveland Volcano, AK**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

No significant activity was detected in seismic and infrasound data at the Cleveland Volcano during this observation period, and satellite observations were mostly obscured by clouds. It remains possible that short-lived, low-level explosive activity could occur with little or no warning. The Cleveland Volcano is monitored with a limited real-time seismic network, which inhibits the AVO's ability to detect precursory unrest that may lead to an explosive eruption. Rapid detection of an ash-producing eruption may be possible using a combination of seismic, infrasound, lightning, and satellite data.

## **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 4, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has begun to form. Surface flows from a March 5 breakout remain active above the pali and on the coastal plain. These lava flows pose no threat to nearby communities at this time. The summit lava lake was observed to be about 102 feet below the floor of the Halema‘uma‘u Crater on Tuesday.

## **Earthquake Activity**

### **Adak, Alaska**

*Source: U.S. Geological Survey (USGS) - April 4, 2017*

The USGS reported that a magnitude 5.5 earthquake occurred on April 4 at 6:08 p.m. EDT, approximately 43 miles to the south-southeast of Adak, Alaska at a depth of 8 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages or injuries. No tsunami was generated.

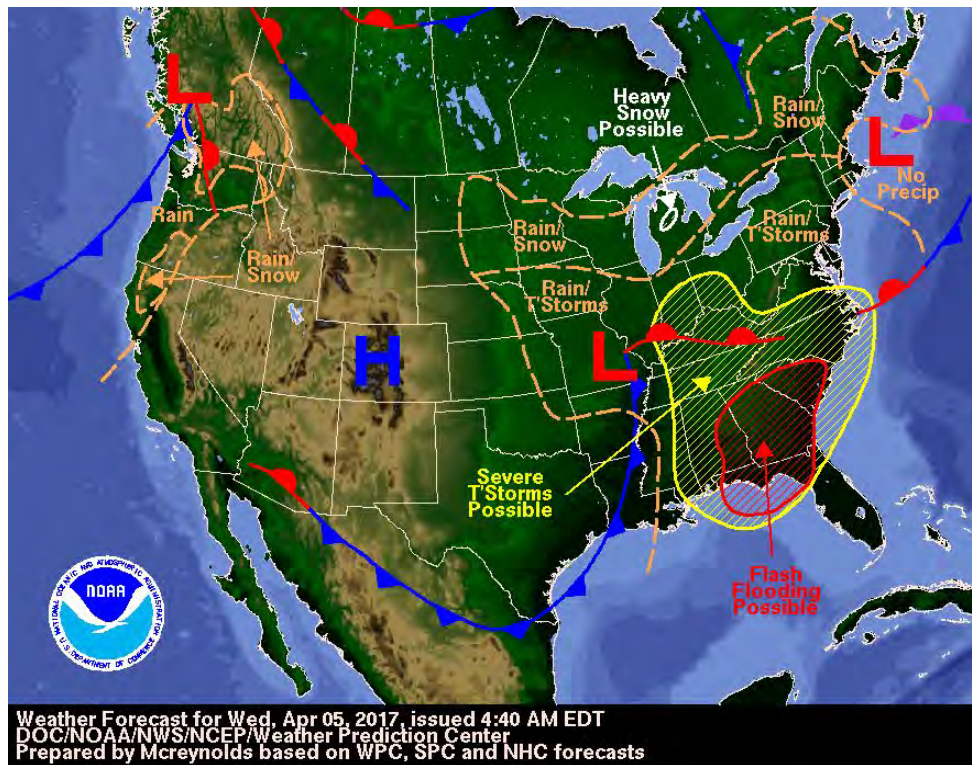
### **Mashhad, Iran**

*Source: U.S. Geological Survey (USGS) - April 5, 2017*

The USGS reported that a magnitude 6.1 earthquake occurred on April 5 at 2:09 a.m. EDT, approximately 54 miles to the east-southeast of Mashhad, Iran at a depth of 6 miles. The USGS issued a “Green PAGER Alert” for the event, indicating a low likelihood for damages or injuries. No tsunami was generated.

## ***Significant National Weather***

*Source: National Weather Service - April 5, 2017*



### **Today:**

Strong low pressure will move into the lower Ohio Valley today and a warm front will extend from it eastward to the Outer Banks of North Carolina. A cold front will drop south into the lower Mississippi Valley. Rain and thunderstorms will develop from the Gulf of Mexico northward to the Midwest, Ohio Valley, eastern Great Lakes, and Northeast. An outbreak of severe thunderstorms is likely today across much of the Southeast, continuing northward and west of the Appalachians, into the Tennessee and Ohio valleys. This will include supercell development with a risk for tornadoes, some of which will be strong and long-lived, particularly across the Southeast. Large to very large hail and damaging straight-line winds also appear likely. Heavy rain is also expected across most of Georgia, central South Carolina, southeast Alabama, and northern Florida. The National Weather Service has identified this region as having a slight risk for flash flooding.

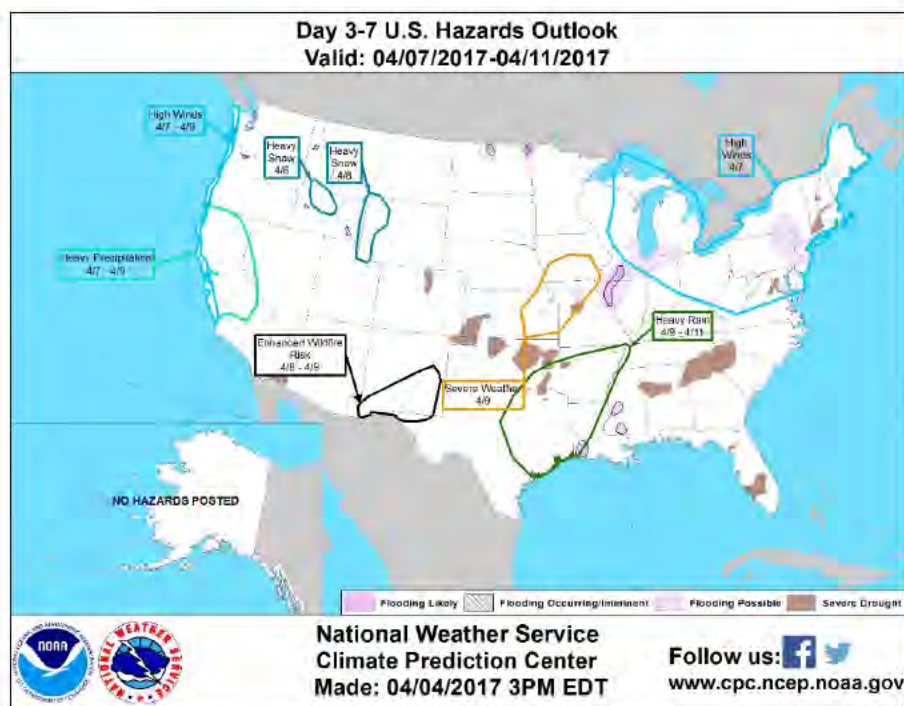
### **Tomorrow:**

A frontal boundary will drop into the eastern Great Lakes and St Lawrence River Valley tomorrow. Rain and thunderstorms will develop from eastern New England south down the coast to the southern half of Florida. Organized severe storm development is possible across parts of the mid-Atlantic Coastal region Thursday. This includes a risk for supercells with the potential for tornadoes. Heavy rain and flash flooding will be possible for portions of New

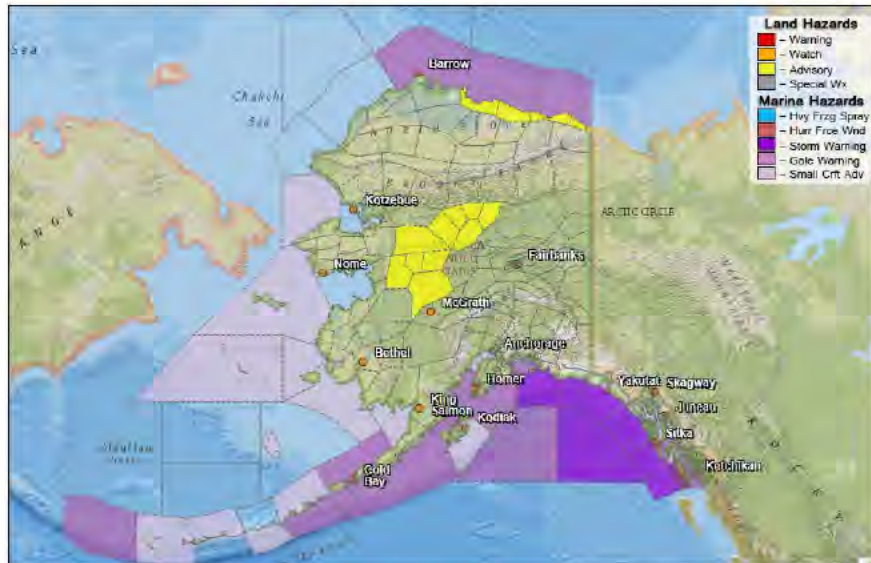
Jersey. Enough cold air will filter in behind this system to produce rain and snow over the central and southern Appalachians, Ohio Valley, central and eastern Great Lakes, and parts of northern New England. Heavy snow is possible for the highest elevations of eastern West Virginia, and for portions of the central and eastern Great Lakes. Rain is likely for the lower Ohio and Tennessee valleys.

## Weather Hazard Assessment

- April 5: Flooding is possible, likely, or occurring over parts of the Pacific Northwest, the northern and central Intermountain region, the northern Rockies, the northern Plains, the mid-Atlantic, the Northeast, and Illinois.
- April 5: Severe drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- April 7: High winds forecast for parts of the Great Lakes, the Ohio Valley, the central Appalachians, the mid-Atlantic, and the Northeast.
- April 7-9: Periods of high winds for the coastal sections of Washington, Oregon, and northern/central California.
- April 8: Heavy snow for parts of the Bitterroots.
- April 8: Heavy snow for parts of the northern and central Rockies.
- April 8-9: Critical Fire Weather for parts of the Southwest, the southern Rockies, and the southern Plains.
- April 9: Severe weather for parts of the central Plains and the middle Mississippi Valley.
- April 9-11: Heavy rain for parts of the southern Plains and the lower Mississippi Valley.



## Alaska Weather

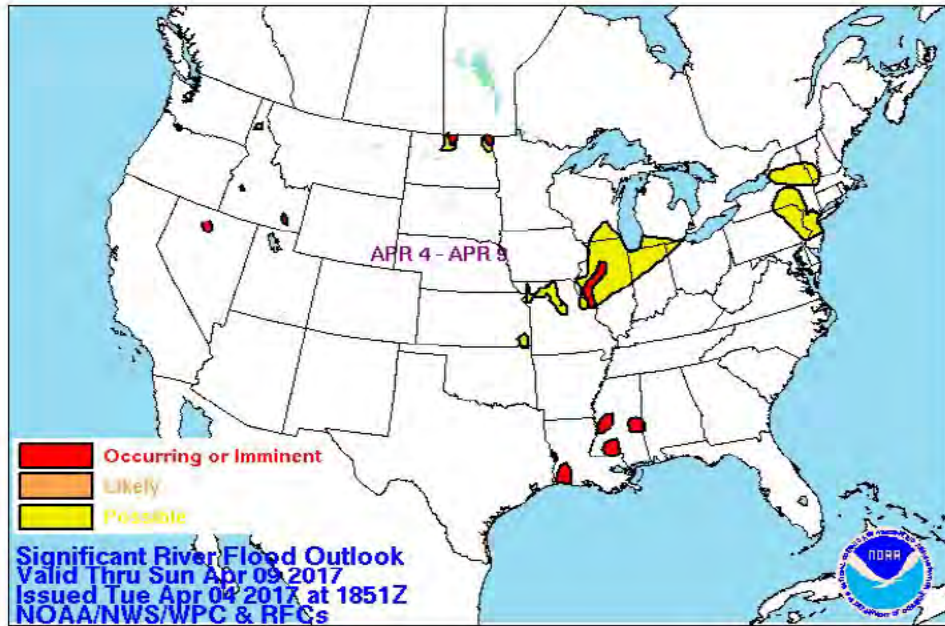


A Storm Warning is in effect today in the central and eastern Gulf of Alaska. A Gale Warning is in effect in the western Gulf of Alaska, the Barren Islands, the Shelikof Strait, the eastern Aleutians, the western Aleutians, and from Point Franklin to Demarcation Point. A Small Craft Advisory is in effect in the northern Cook Inlet, portions of Kodiak Island, the central Aleutians, Bristol Bay, and the Pribilof Islands. A Brisk Wind Advisory is in effect for the Kuskokwim Delta, the Etolin Strait, Nunivak Island, St. Matthew Island, St. Lawrence Island, and from Dall Point to Cape Thompson. A Wind Advisory is in effect in central Alaska, and a Winter Weather Advisory is in effect from Nuiqsut to Demarcation Bay.

### Significant River Flooding

Significant River Flooding is likely or occurring today in portions of northwestern Oregon, north-central Utah, southeastern/southwestern Idaho, northern North Dakota, southwestern Louisiana, Mississippi, and western Illinois. Significant River Flooding is possible in northern Idaho, northern North Dakota, southeastern Kansas, northern Missouri, Illinois, southern Wisconsin, southern Michigan, northern Indiana, northwestern Ohio, New York, eastern Pennsylvania, New Jersey, and southern Vermont.





### Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

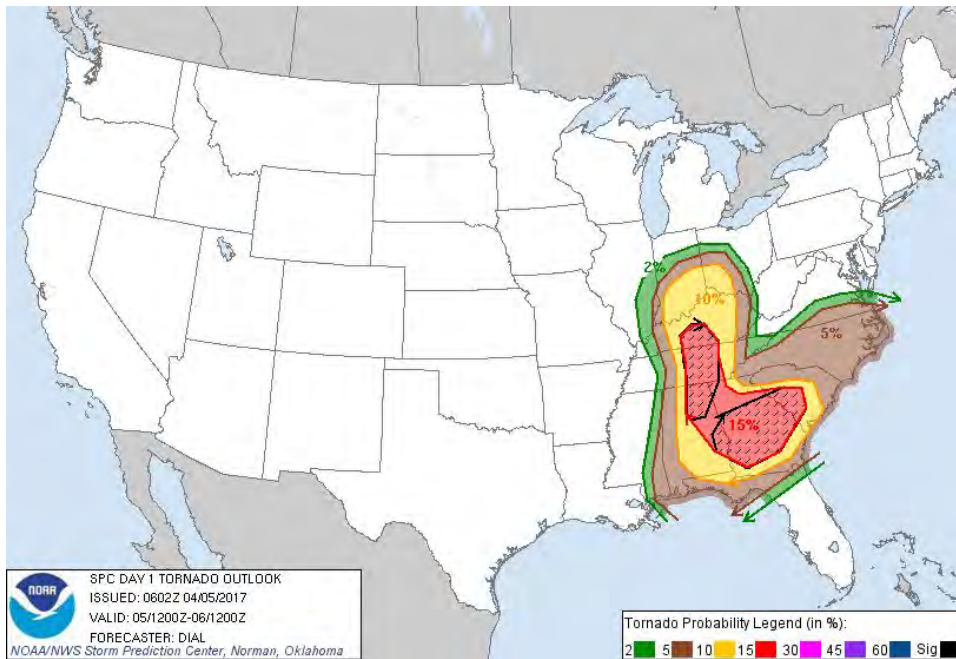
### Severe Weather



There is a Moderate Risk of severe thunderstorm activity today from southern Kentucky into middle Tennessee, Alabama, Georgia, and western South Carolina. There is an Enhanced Risk

of severe thunderstorms from the Ohio Valley into the Southeast. There is a Slight Risk of severe thunderstorm activity from the Ohio Valley into the Southeast and the mid-Atlantic. There is a Marginal Risk of severe thunderstorms surrounding the Slight Risk area.

## Tornado Weather



There is a 2 to 15-percent chance of tornado activity today across much of the Southeast continuing northward along and west of the Appalachians into the Tennessee and Ohio valleys.

*\*End of Report\**

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
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EM-Regional Emergency Management Contacts  
IOS Senior Officials  
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# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Thursday, April 6, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Bogoslof Volcano: Alert Level is ADVISORY; Aviation Color Code is YELLOW**  
**Cleveland Volcano: Alert Level is ADVISORY; Aviation Color Code is YELLOW**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 6, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 449 (no change)
- Containment: 10-percent (+10)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 182 (+36) / 31 (+9)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 20

Comments: Moderate fire activity was observed during this reporting period, and some additional perimeter growth is likely over the next 72 hours. Numerous structures are in close proximity to the fire, and there is potential for smoke to impact Interstate-75. In addition to the

private residences and the transportation corridors, the fire is threatening infrastructure, federal facilities, threatened and endangered (T&E) species, recreational resources, and cultural resources. The current objective is to keep the fire south of the Big Cypress National Preserve's northern boundary to minimize any potential impacts to Seminole and Miccosukee tribal lands, as well as the Florida Panther National Wildlife refuge on the park's northwestern boundary. Current projections have the fire's perimeter increasing to 2,000 acres.



IGEMS Image

## Volcano Activity

### **Bogoslof Volcano, AK (FINAL)**

Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 5, 2017

**Alert Level = ADVISORY**

**Color Code = YELLOW**

No volcanic activity has been observed at Bogoslof Volcano in satellite, seismic, or infrasound data since a small explosion was detected on March 13. The last major explosive event occurred on March 8, and occasional high-spatial resolution satellite images show no significant surficial changes due to eruptive activity since that time. Based on the absence of detected activity over the past three weeks, AVO has lowered the Aviation Color Code to YELLOW and the Volcano Alert Level to ADVISORY.

### **Cleveland Volcano, AK (FINAL)**

*Source: U.S. Geological Survey, Alaska Volcano Observatory (AVO) – April 5, 2017*

**Alert Level = ADVISORY**

**Color Code = YELLOW**

No activity has been observed at Cleveland Volcano since an explosion was detected in seismic and infrasound data on March 24. Recent satellite images show no significant changes to the summit lava dome or crater since late February to early March. AVO has lowered the Aviation Color Code to YELLOW and the Volcano Alert Level to ADVISORY.

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 5, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has begun to form. Surface flows from a March 5 breakout remain active above the pali and on the coastal plain. These lava flows pose no threat to nearby communities at this time.

### **Significant National Weather**

*Source: National Weather Service - April 6, 2017*

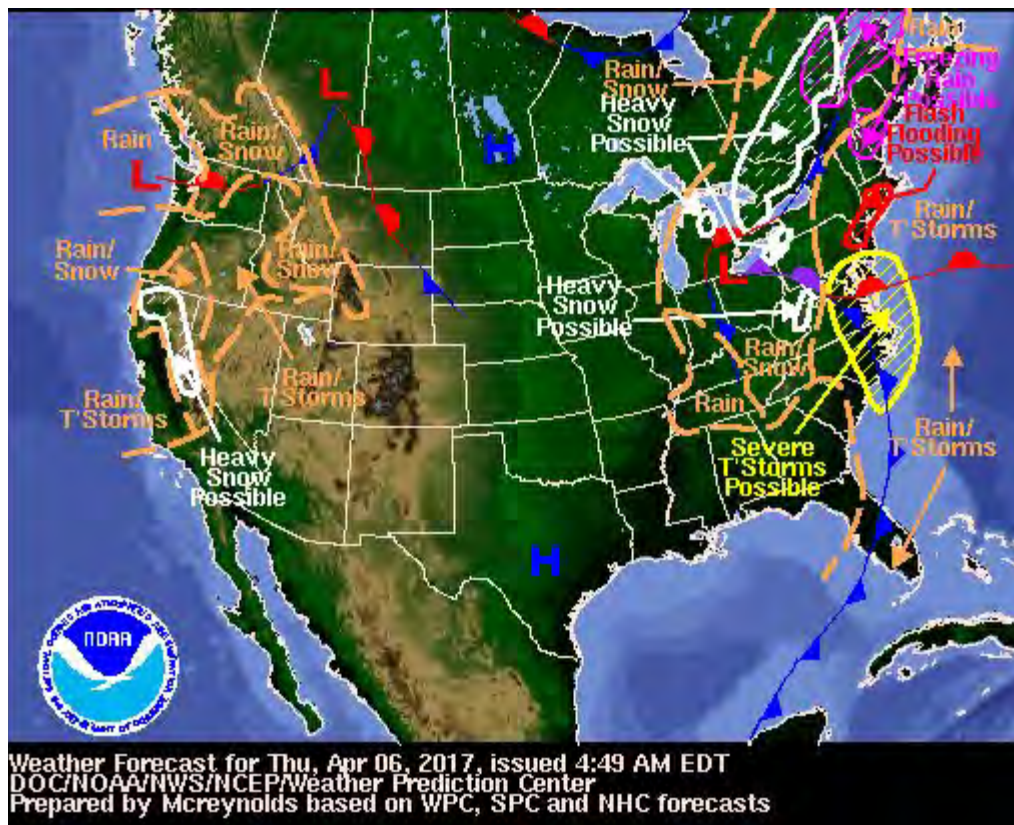
#### **Today:**

A frontal boundary will extend from the eastern Great Lakes to northern New England bringing rain and thunderstorms from southern New England south to the Carolinas, then across the southern half of Florida. Organized severe thunderstorms are expected across parts of the mid-Atlantic, primarily during the morning and early afternoon hours. The potential exists for tornadoes and a few swaths of damaging winds during this time frame. A lingering severe weather threat will also be possible across central Florida during the morning and may continue into the early afternoon. Rain is expected to persist across much of the Northeast through tonight and into Friday morning as the low pressure system lingers overhead. Rainfall amounts of 1 to 2 inches are possible across areas from the northern mid-Atlantic to the Northeast. These heavy rains could result in flooding issues for some areas. Rain will also develop across the lower Tennessee and Ohio valleys. Rain and thunderstorms will develop across the western portions of Washington, Oregon, and most of California. More areas of rain and thunderstorms will be possible for the interior Northwest and parts of the Great Basin.

#### **Tomorrow:**

Low pressure will move from the southern Great Lakes to upstate New York. Scattered rain and snow will extend from the southern Appalachians north into the Northeast and northern New England. Heavy snow is possible downwind to Lake Erie. Rain showers will linger from eastern

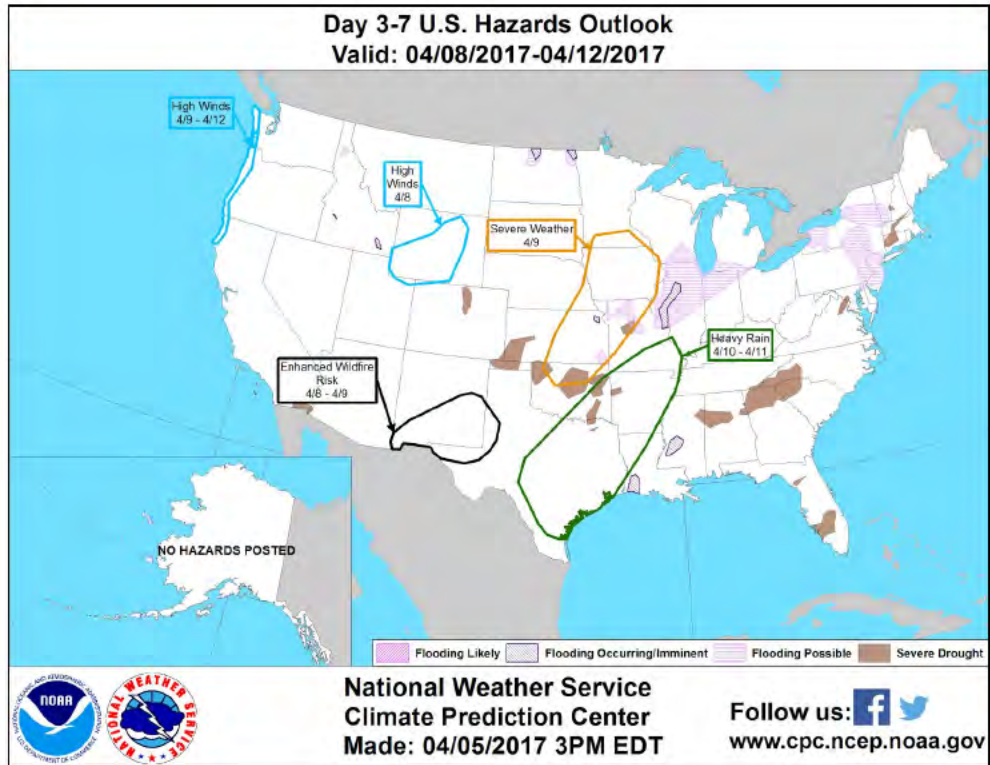
Maine to the Nation's Capital. High pressure will continue to produce fair and dry weather across the deep South, Mississippi Valley, Great Plains and portions of the Four Corners. Rain and thunderstorms will continue along the coastal regions from Washington to central California. Rain and snow will be widespread across the Great Basin, interior Northwest, and Rockies. Heavy snow is expected for the Sierras, Washington Cascades, and parts of the northern Rockies.



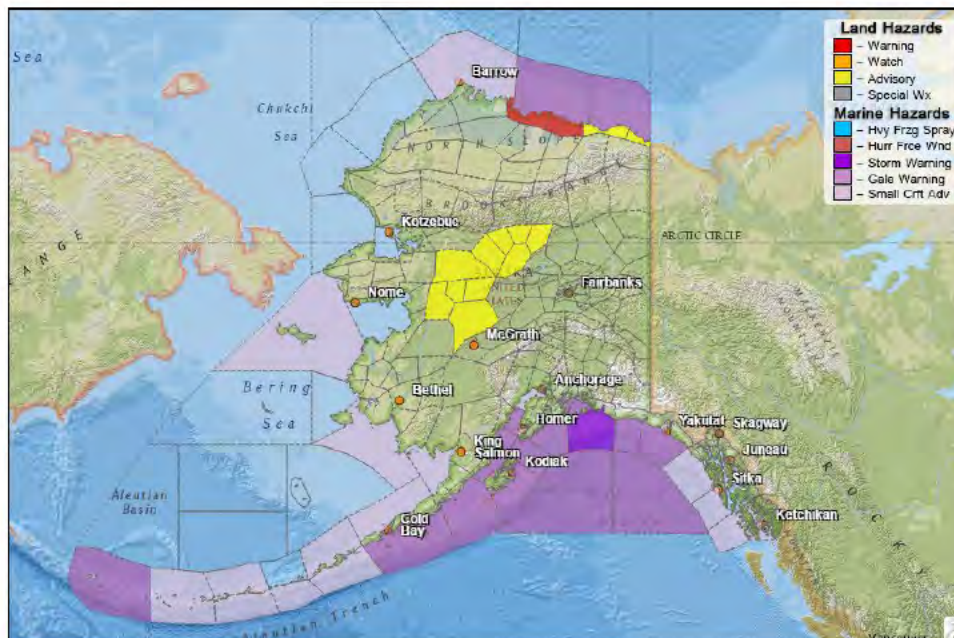
### Weather Hazard Assessment

- April 8: High winds for parts of the northern and central Plains, the central Rockies, and the central Great Basin.
- April 8-9: Critical fire weather for parts of the Southwest, the southern Rockies, and the southern Plains.
- April 9: Severe weather for parts of the southern and central Plains and the middle Mississippi Valley.
- April 9-12: Periods of high winds for coastal sections of Washington, Oregon, and northern California.
- April 10-11: Heavy rain for parts of the southern Plains and the lower and middle Mississippi valleys.

- April 16-19: Slight chance of much below normal temperatures for parts of northern Alaska.

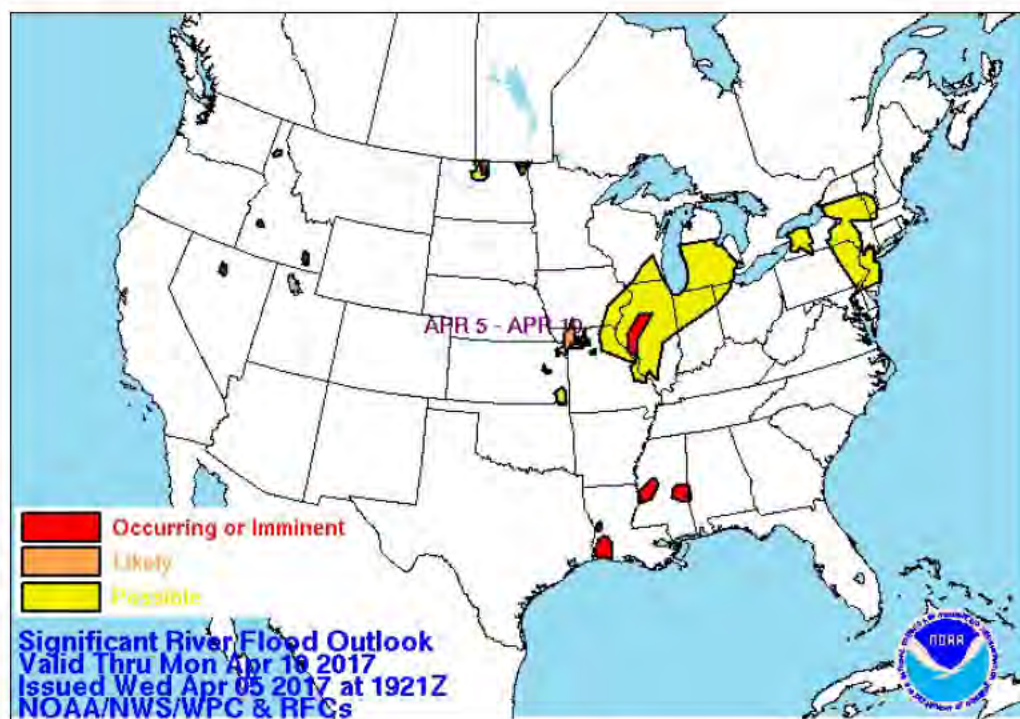


### Alaska Weather



A Storm Warning is in effect for the central Gulf of Alaska. A Gale Warning is in effect in the central and western Gulf of Alaska, the Barren Islands, the Shelikof Strait, the western Aleutians, and from Cape Halkett to Demarcation Point. A Small Craft Advisory is in effect in the northern Cook Inlet, portions of Kodiak Island, the central Aleutians, Bristol Bay, and from Cape Edgecumbe to Dixon Entrance. A Brisk Wind Advisory is in effect for the Kuskokwim Delta, the Etolin Strait, St. Lawrence Island, and from Point Franklin to Cape Halkett. A Wind Advisory is in effect in central Alaska, and a Winter Weather Advisory is in effect from Kaktovik to Demarcation Bay. A Blizzard Warning is in effect from Nuiqsut to Deadhorse.

### Significant River Flooding



Significant River Flooding is occurring or imminent in southern Idaho, northern Nevada, northern North Dakota, southeastern Louisiana, central Illinois, and central Mississippi. Flooding is likely in northern Missouri. Flooding is possible across portions of the Northeast, the middle Mississippi Valley, and the upper Great Lakes.

### Fire Weather

There is no Critical Fire Weather forecast for today across the U.S; however, there is an area of Elevated Fire Weather forecast for central and southern Florida.





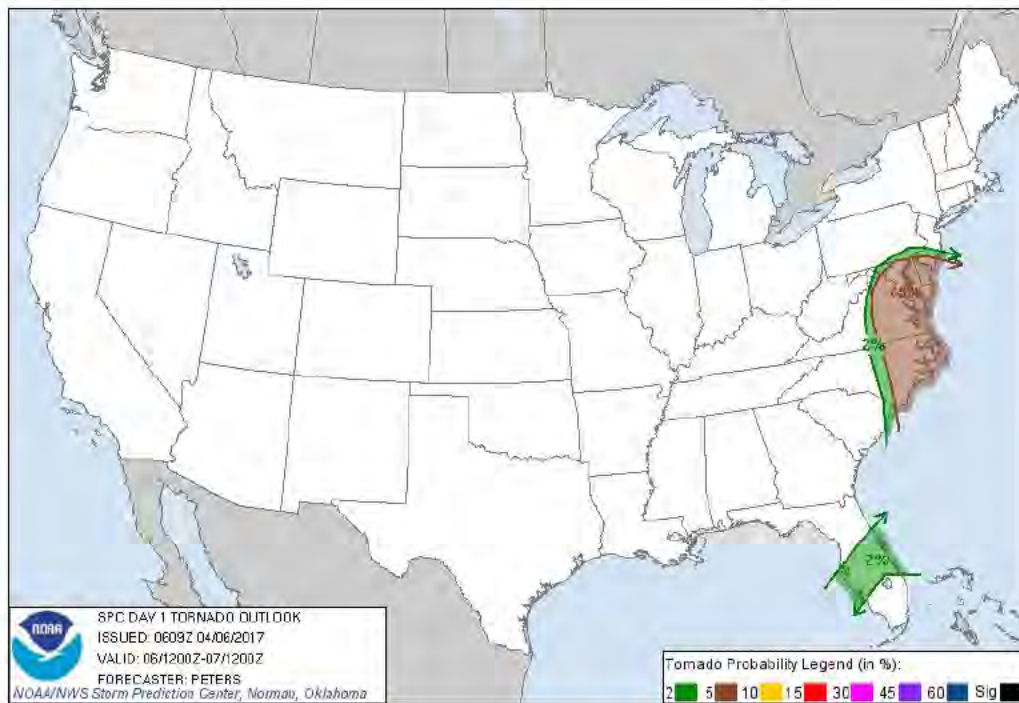
**Severe Weather**



There is an Enhanced and Slight Risk of severe thunderstorm activity today for eastern North Carolina, eastern Virginia, eastern Maryland, southern New Jersey, and the Delmarva region. There is a Slight Risk of severe thunderstorm activity from eastern North Carolina northward to

southern New Jersey. There is a Marginal Risk of severe thunderstorms for portions of the mid-Atlantic, the Northeast, the northern Pacific coast, central Florida, and the northern Great Basin.

### **Tornado Weather**



There is a 2 to 5-percent chance of tornado activity today from eastern North Carolina northward to southern New Jersey. There is a 2-percent chance of tornado activity across central Florida.

***\*End of Report\****

#### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, April 7, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 7, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 449 (no change)
- Containment: 10-percent (no change)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 224 (+42) / 49 (+18)
- Structures Threatened-Single-Mixed Residential/Commercial: 50 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 20

Comments: Moderate fire activity was observed during this reporting period. The fire will move in a westerly direction due to change in wind direction over the next 72 hours. Numerous structures are in close proximity to the fire, and there is potential for smoke to impact Interstate-75. In addition to the private residences and the transportation corridors, the fire is threatening infrastructure, federal facilities, threatened and endangered (T&E) species, recreational resources, and cultural resources. The current objective is to keep the fire south of the Big Cypress National Preserve's northern boundary to minimize any potential impacts to Seminole

and Miccosukee tribal lands, as well as the Florida Panther National Wildlife refuge on the park's northwestern boundary. Current projections have the fire's perimeter increasing to 2,000 acres.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 6, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at the summit and the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has begun to form. Surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. The summit lava lake was observed at 123 feet below the floor of the Halema‘uma‘u Crater and continued to rise during the reporting period.

## Significant National Weather

*Source: National Weather Service - April 7, 2017*

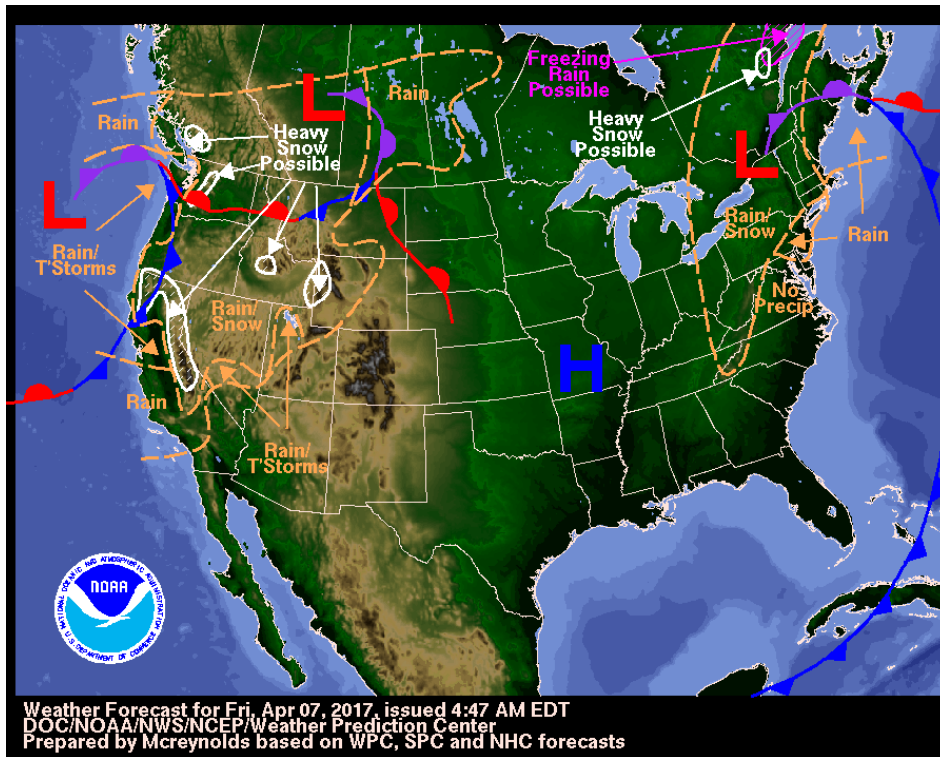
### **Today:**

An area of low pressure will slide northeast up the St. Lawrence River Valley. Rain and snow showers will extend from southern New England southward into the southern Appalachians. Rain showers are possible for portions of the northern New England and the mid-Atlantic coastal regions. High pressure will produce fair and dry weather across the Southeast, the Mississippi Valley, and the Great Plains. A strong frontal system will push into the West Coast. Rain and thunderstorms will develop across the western portions of Washington, Oregon, and northern California. Additional spots of rain and thunderstorms will be found across parts of

southern Nevada and northern Utah. Rain showers are possible across portions of south-central California. Rain and snow will be widespread across the Great Basin, the interior Northwest, and the northern Rockies. Heavy snow will be found across the Sierras, the northern Cascades, the northern Rockies and into the British Columbia coastal ranges.

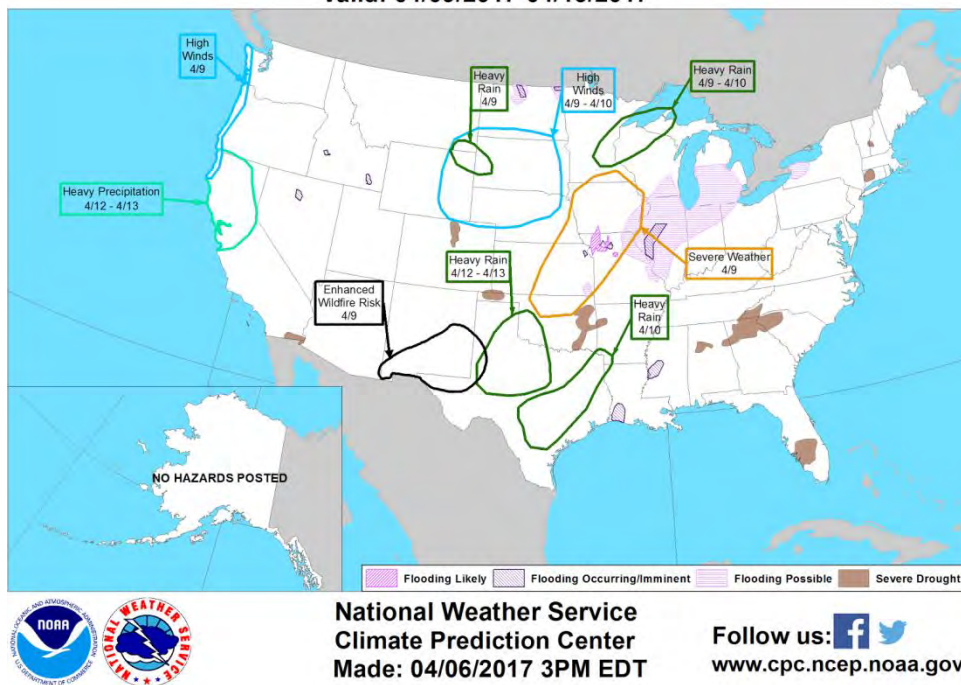
**Tomorrow:**

Low pressure will continue to linger just north of Maine. Rain and snow are possible from upstate New York to the mouth of the St. Lawrence River. Rain showers are likely for eastern Maine and parts of New Brunswick. Fair and dry conditions will persist from the East Coast to the southern Plains. Scattered rain showers will be found across southern Florida and the central Great Lakes. A frontal system will stretch from the Dakotas to the northern Great Basin then into central California. Rain and thunderstorms will be found from Washington to southern California. More rain and thunderstorms are possible across the northern Great Plains and parts of the southern Nevada. Rain and snow will be widespread across the Northwest, the Rockies, and the Great Basin. Heavy snow is likely for the Sierras, the Cascades, and the northern Rockies.



## Weather Hazard Assessment

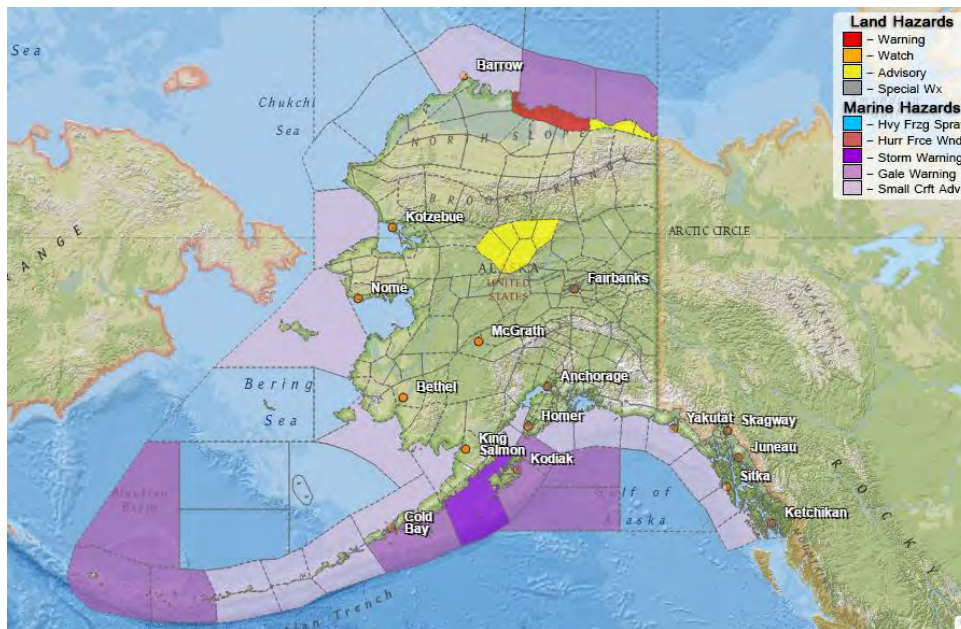
### Day 3-7 U.S. Hazards Outlook Valid: 04/09/2017-04/13/2017



- April 7: Flooding is possible, likely, imminent, or occurring over parts of the northern and central Intermountain region, the northern and central Plains, the Great Lakes, the lower and middle Mississippi valleys, and the Ohio Valley.
- April 7: Severe Drought across parts of Arizona, California, the central and southern Great Plains, Arkansas, Missouri, and the eastern U.S.
- April 9: Severe weather for parts of the southern and central Plains, and the upper and middle Mississippi valleys.
- April 9: Critical fire weather for parts of the Southwest, the southern Rockies, and the southern Plains.
- April 9: Heavy rain for parts of the northern Plains.
- April 9: High winds for coastal sections of Washington, Oregon, and northern California.
- April 9-10: Heavy rain for parts of the upper Mississippi Valley and the Great Lakes.
- April 9-10: High winds for parts of the northern and central Plains.
- April 10: Heavy rain for parts of the southern Plains and lower Mississippi Valley.
- April 12-13: Heavy rain for parts of the southern Plains.
- April 12-13: Heavy precipitation for parts of northern California.
- April 14-17: Slight risk of much below normal temperatures for parts of California, the Southwest, and the central Great Basin.

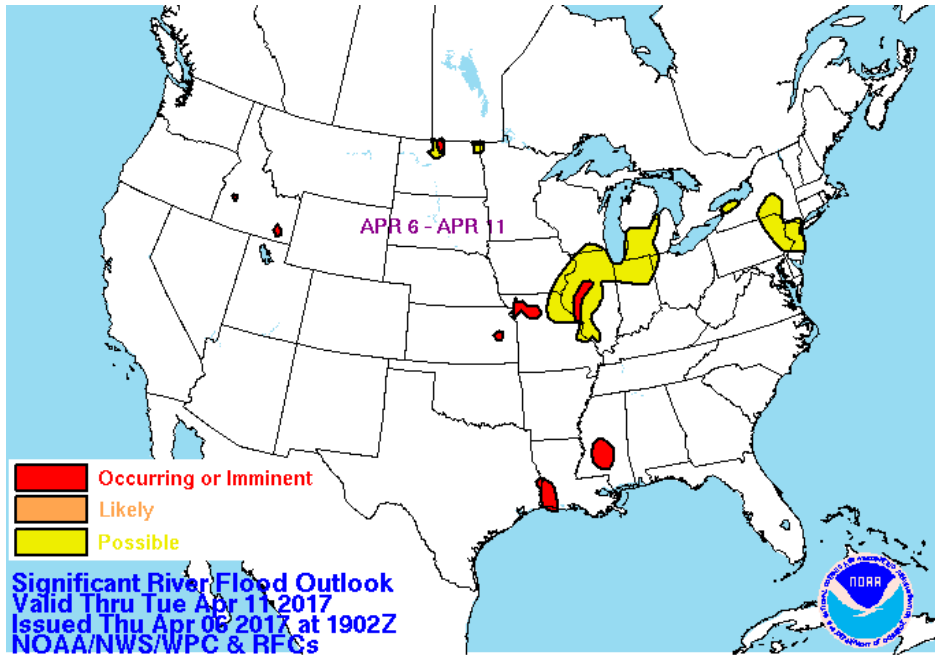
## Alaska Weather

A Storm Warning is in effect for the western Gulf of Alaska and the Shelikof Strait. A Gale Warning is in effect in portions of the central and western Gulf of Alaska, the Barren Islands, the western Aleutians, the Aleutian Basin, and from Cape Halkett to Demarcation Point. A Small Craft Advisory is in effect in the northern Cook Inlet, portions of Kodiak Island, the central Aleutians, Bristol Bay, and the Gulf of Alaska from Gore Point to Dixon Entrance. A Brisk Wind Advisory is in effect for the Kuskokwim Delta, the Etolin Strait, St. Lawrence Island, from Wales to Cape Thompson, and from Point Franklin to Cape Halkett. A Wind Advisory is in effect in central Alaska, and a Winter Weather Advisory is in effect from Kaktovik to Demarcation Bay. A Blizzard Warning is in effect from Nuiqsut to Deadhorse.



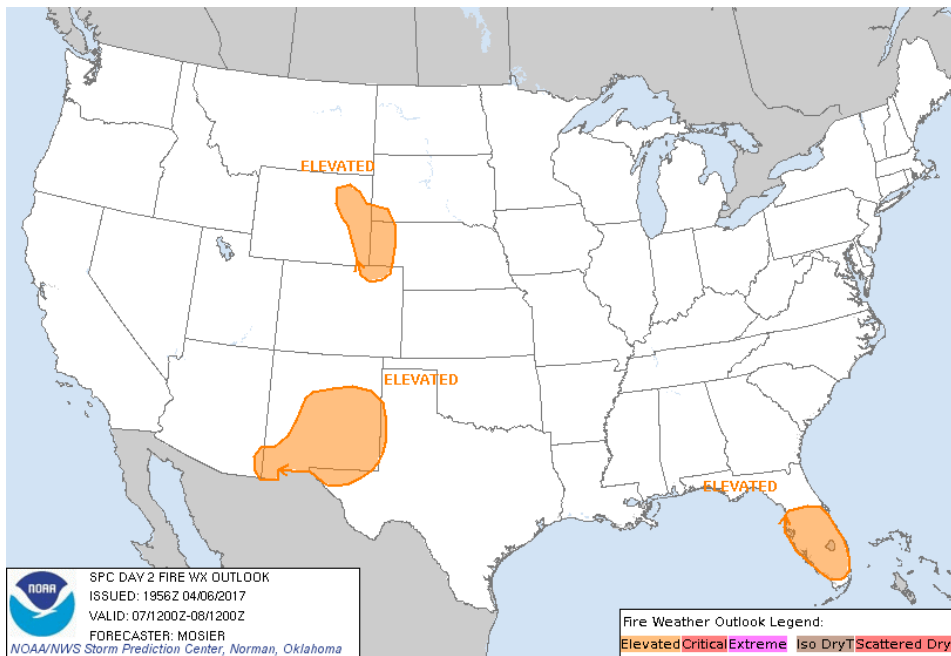
## Significant River Flooding

Significant River Flooding is occurring or imminent in southern Idaho, northern North Dakota, southwestern Louisiana, central Illinois, northwestern Missouri, eastern Kansas, and central Mississippi. Flooding is possible across portions of the Northeast, the middle Mississippi Valley, and the upper Great Lakes.



## Fire Weather

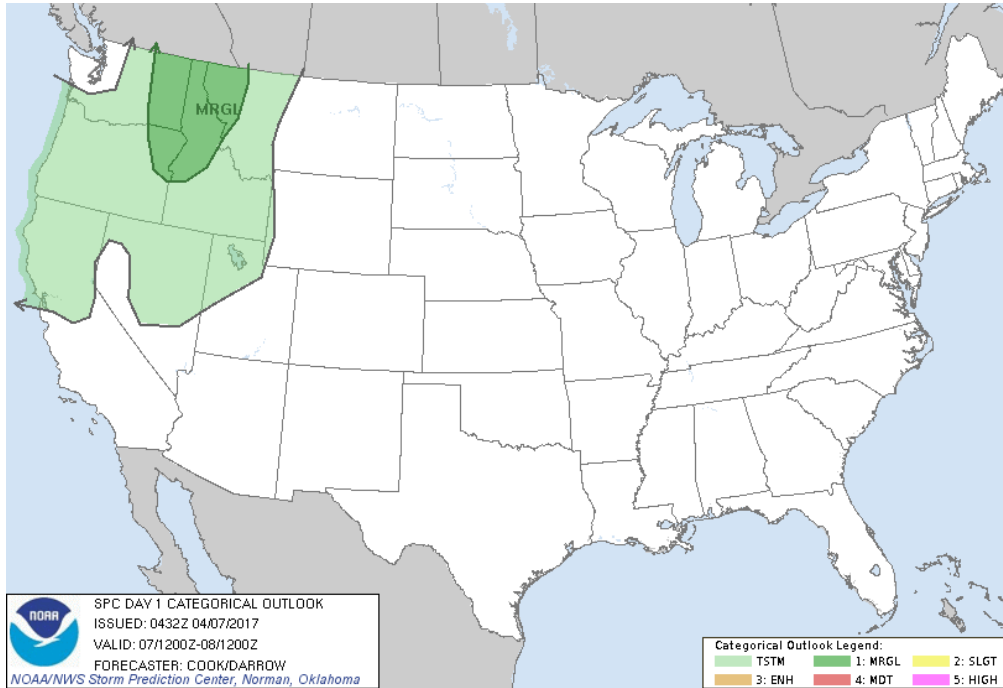
There is no Critical Fire Weather forecast for today across the U.S; however, there are areas of Elevated Fire Weather forecast for eastern Wyoming, western Nebraska, southwestern South Dakota, southeastern Arizona, much of New Mexico, western Texas, and central and southern Florida.





## Severe Weather

There is a Marginal Risk of severe thunderstorm activity today in eastern Washington, northeastern Oregon, northern Idaho, and western Montana.



## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the United States.

## Other News and Notes

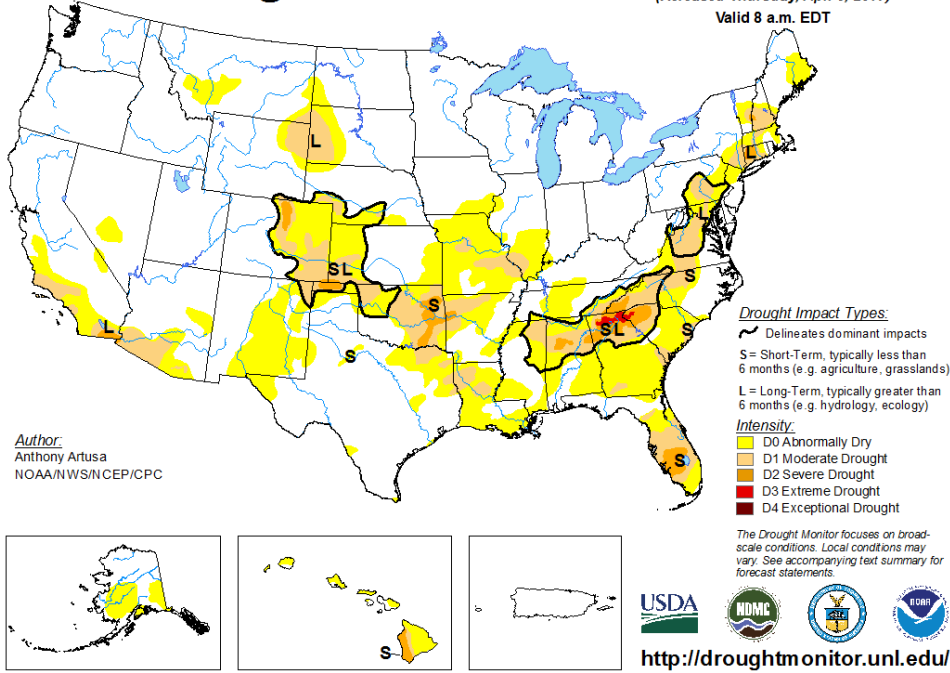
### ***U.S. Drought Monitor***

***Source: United States Drought Monitor - April 6, 2017***

During the past week, an active weather pattern ensued across the United States. Larger, contiguous areas of heavy precipitation were observed from Kansas east-northeastward across the Midwest to lower Michigan, the lower Mississippi Valley and Gulf Coast area, parts of the Appalachians and adjacent foothills, portions of the Northeast and mid-Atlantic, and the Pacific Northwest. Light precipitation was observed across most of California and the Southwest, the leeward slopes of the Cascades in Washington and Oregon, the north-central United States, eastern Maine, and central and southern Florida. Moderate precipitation was generally reported elsewhere.

# U.S. Drought Monitor

April 4, 2017  
(Released Thursday, Apr. 6, 2017)  
Valid 8 a.m. EDT



**\*End of Report\***

## **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Monday, April 10, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

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**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 10, 2017*

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 8,335 (+7,886)
- Containment: 13-percent (+3)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 257 (+33) / 65 (+16)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 (-25) / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Extreme fire behavior was observed during this reporting period, which resulted in significant perimeter growth. The current drought conditions have resulted in dry fuels, and rainfall is not expected in the fire area throughout the week. Additional perimeter spread is

likely over the next 72 hours. Fire managers are utilizing confine, contain, and point protection strategies that commit responders only to operations where they can be successful. Burnout and structure protection operations are ongoing. In addition to the private residences, the fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures are in effect. According to the most recent Incident Status Summary (ICS-209), the fire's perimeter could increase to 14,000 acres.



IGEMS Image

### **Cowbell Fire Update**

*Source: National Park Service - April 9, 2017*

The fire has crossed Nobles Grade, moving towards the west. All campgrounds in the Bear Island area are being evacuated within the Preserve. Fire crews have reassessed possible containment lines on the western edge of the fire area to determine the best probable area to contain the fire.

Smoke impacts are expected for areas adjacent to the Preserve and Interstate 75 between mile markers 55 and 80. There is potential for smoke to mix with fog, decreasing visibility. All drivers on Interstate 75 and Highway 41 are urged to use extreme caution and check road conditions before leaving their homes. The highest likelihood for seeing smoke on the roadways is between 4:00 a.m. and 8:00 a.m. A temporary flight restriction is in place over the Cowbell Fire, and it is expected to be expanded to accommodate increased fire growth.

## Wildland Fire Incident Management Situation Report

Source: National Interagency Fire Center – April 7, 2017

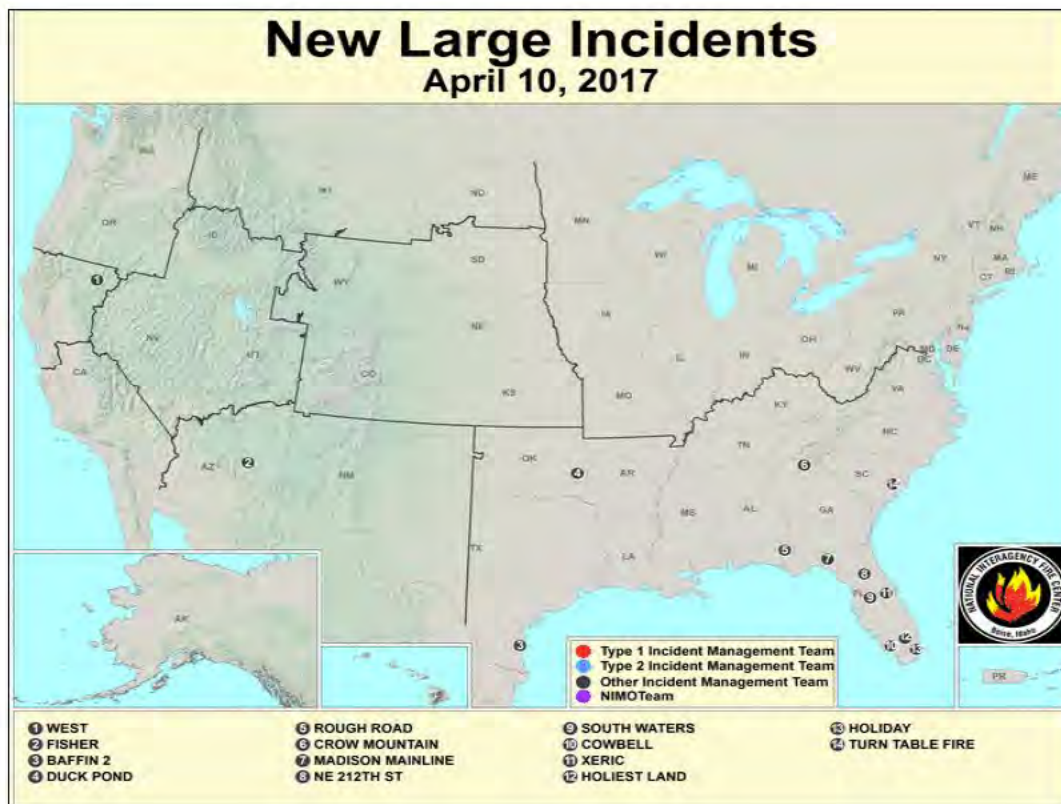
### National Preparedness Level 1

### National Fire Activity (March 31-April 6)

Initial attack activity:	Light (576 new fires)
New large fires:	14
Large fires contained:	12
Uncontained large fires: **	4
Area Command Teams committed:	0
NIMOs committed:	0
Type 1 IMTs committed:	0
Type 2 IMTs committed:	1

\*\* Uncontained large fires include only fires being managed under a full suppression strategy.

### Fire Map



## **United States Geological Survey Response to New York Flooding**

**Source:** U.S. Geological Survey (USGS) - April 7, 2017

On April 7, the USGS reported that widespread flooding was occurring in portions of New York as a result of heavy rain and several inches of snowmelt last week. Fifteen USGS streamgages reached the National Weather Service (NWS) minor flood category in the Susquehanna River, the Hudson River, the Mohawk River, the Delaware River, and the Black River basins. Two USGS streamgages, the Susquehanna River at Vestal and the Susquehanna River at Conklin, reached the NWS moderate flood category. Streamflows at many USGS streamgages were near their peak or decreasing on April 7, but several streams were expected to remain near flood stage through April 9.

As a result of the flooding, ten USGS crews from the Ithaca, Troy, and Potsdam offices conducted approximately 35 high-flow discharge measurements for rating calibration. Additional discharge measurements were planned.



USGS Crew member checking gage on the Mohawk River. *Image USGS*

## **Volcano Activity**

### **Kilauea Volcano, HI**

**Source:** U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 9, 2017

**Alert Level = WATCH**

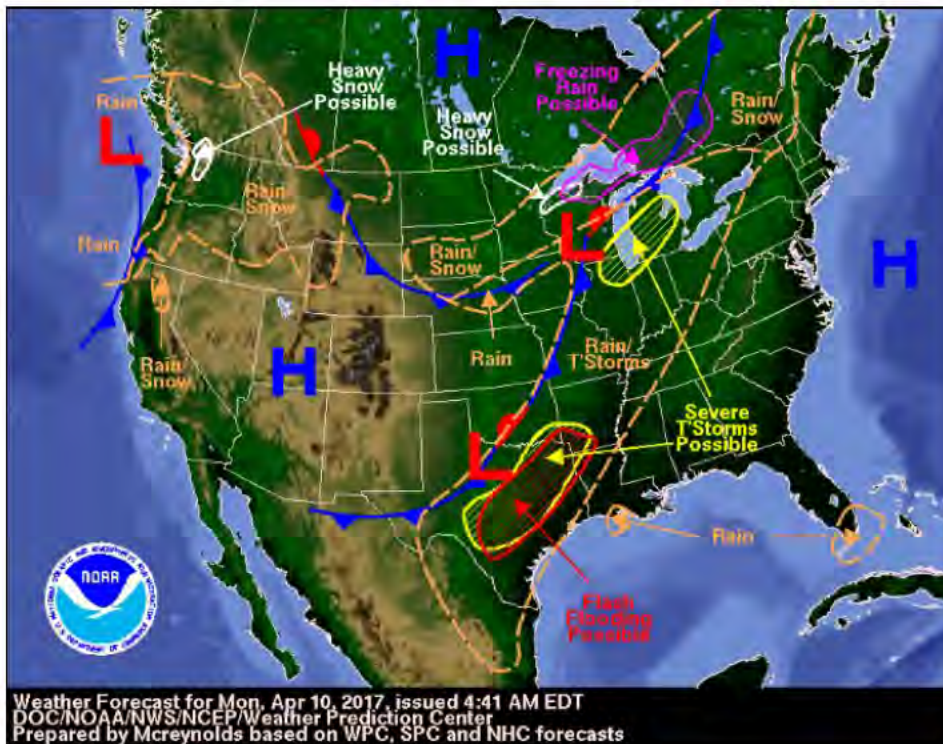
**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Explosion debris was observed on Saturday near the

ocean entry point, and surface flows remained active above the pali. The lava flows on Kilauea are posing no threat to nearby communities.

### **Significant National Weather**

Source: National Weather Service - April 10, 2017



#### **Today:**

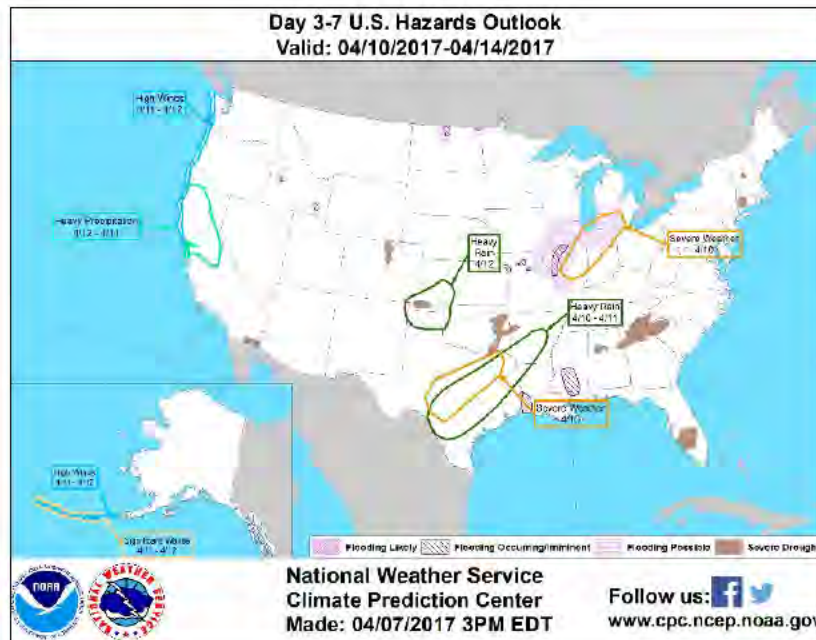
Low pressure will move into the upper Midwest. Rain and thunderstorms will develop from Texas to the Great Lakes. Scattered severe thunderstorms capable of producing large hail and damaging winds are expected across much of central Texas northeastward into Arkansas and Louisiana. More severe thunderstorms, with damaging winds, hail, and perhaps tornados, are possible from northern Illinois and southern Wisconsin into lower Michigan. Moderate to heavy rainfall will develop from the Rio Grande Valley into northeastern Texas ahead of a slow moving front. Rain will develop in northwestern California, while rain and snow are likely for most of the interior Northwest, the northern Rockies, and the Canadian Rockies. Heavy snow is possible for the northern Washington Cascades.

#### **Tomorrow:**

Low pressure will continue across the central Great Lakes. A broad area of scattered showers and thunderstorms will develop from central New Mexico across southern Texas, the lower Mississippi Valley, and up the Appalachians to New England. A marginal risk for isolated strong to severe storms is expected across parts of the Northeast and Texas. A combination of

rain and snow will be found on the north side of this system extending from the northern Great Lakes to northern Maine and eastern Canada. A small area of rain and thunderstorms will develop across central Nebraska, South Dakota, and northern Kansas. Rain will continue along the West Coast from central California northward to Washington state. Scattered rain is possible for the interior valleys of the Northwest.

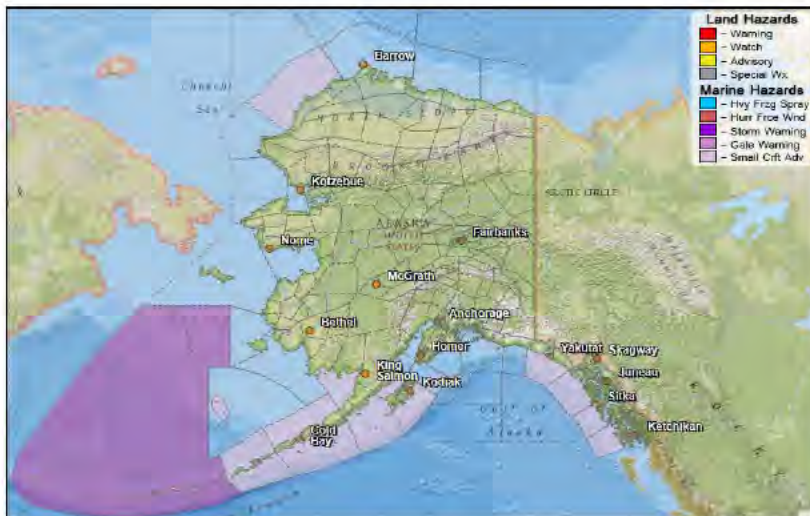
## Weather Hazard Assessment



- April 10: Flooding is possible, likely, imminent, or occurring over parts of the northern Intermountain region, the northern Plains, the Great Lakes, the lower and middle Mississippi valleys, and the Ohio Valley.
- April 10: Severe drought across parts of Arizona, California, the central and southern Great Plains, the southeastern U.S., and small portions of the Northeast.
- April 10: Severe weather for parts of the Great Lakes, the Ohio Valley, the middle Mississippi Valley, and the southern Plains.
- April 10-11: Heavy rain for parts of the southern Plains and the lower Mississippi Valley.
- April 11-12: High winds for the coastal sections of Washington, Oregon, and northern California.
- April 11-12: High winds and high significant wave heights for parts of the Aleutians.
- April 12: Heavy rain for parts of the southern and central Plains.
- April 12-14: Heavy precipitation for portions of northern California.
- April 15-16: Slight risk of much below normal temperatures for parts of California, the Southwest, and the central Great Basin.

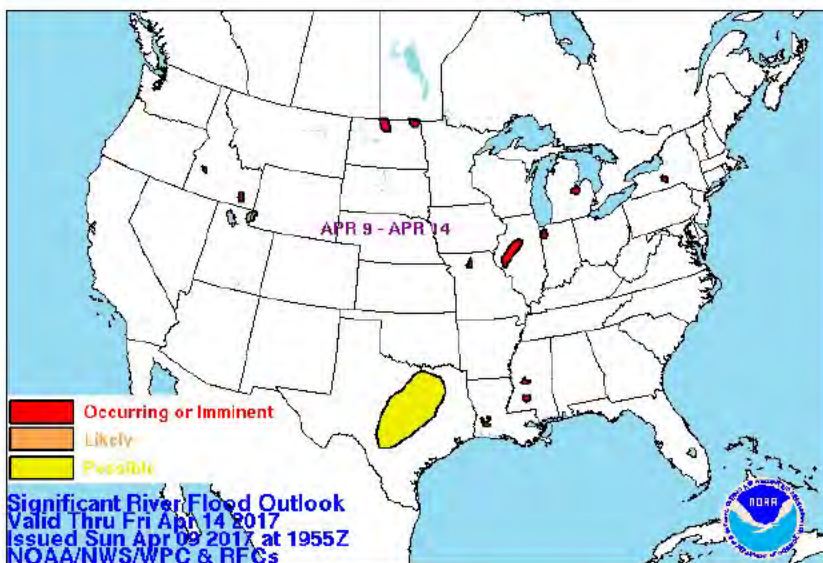


## Alaska Weather



A Small Craft Advisory is in effect today in the eastern and western Gulf of Alaska, the eastern Aleutian Islands, the Shelikof Strait, and Bristol Bay. A Gale Warning is in effect in the central and western Aleutians and St. Matthew Island. There is a Brisk Wind Advisory in effect in the Pribilof Islands and from Cape Beaufort to Point Franklin along Alaska’s northwestern coastline.

## Significant River Flooding



Significant River Flooding is occurring or likely in southern Idaho, northern North Dakota, northern Utah, southwestern Wyoming, north-central Missouri, southwestern

Louisiana, southwestern Mississippi, northwestern Indiana, central Michigan, and south-central New York. Significant River Flooding is possible in central and eastern Texas.

### Severe Weather



There is a Slight Risk of severe thunderstorm activity today across parts of central and eastern Texas, southeastern Oklahoma, southwestern Arkansas, northwestern Louisiana, northern Indiana, northern Illinois, southeastern Wisconsin, and Michigan. There is a Marginal Risk of severe thunderstorms stretching from southwestern Texas to northern Michigan.

### Tornado Weather



There is a 2 to 5-percent chance of tornado activity today in northern Illinois, northern Indiana, southeastern Wisconsin, and Michigan. There is a 2-percent chance of tornado activity in northeastern Texas, southeastern Oklahoma, southwestern Arkansas, and northwestern Louisiana.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for portions of central and eastern Virginia, southwestern West Virginia, eastern Kentucky, and southern Ohio.

*\*End of Report\**

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Tuesday, April 11, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: Fire and Aviation Management Website - April 11, 2017*

### Florida Fires

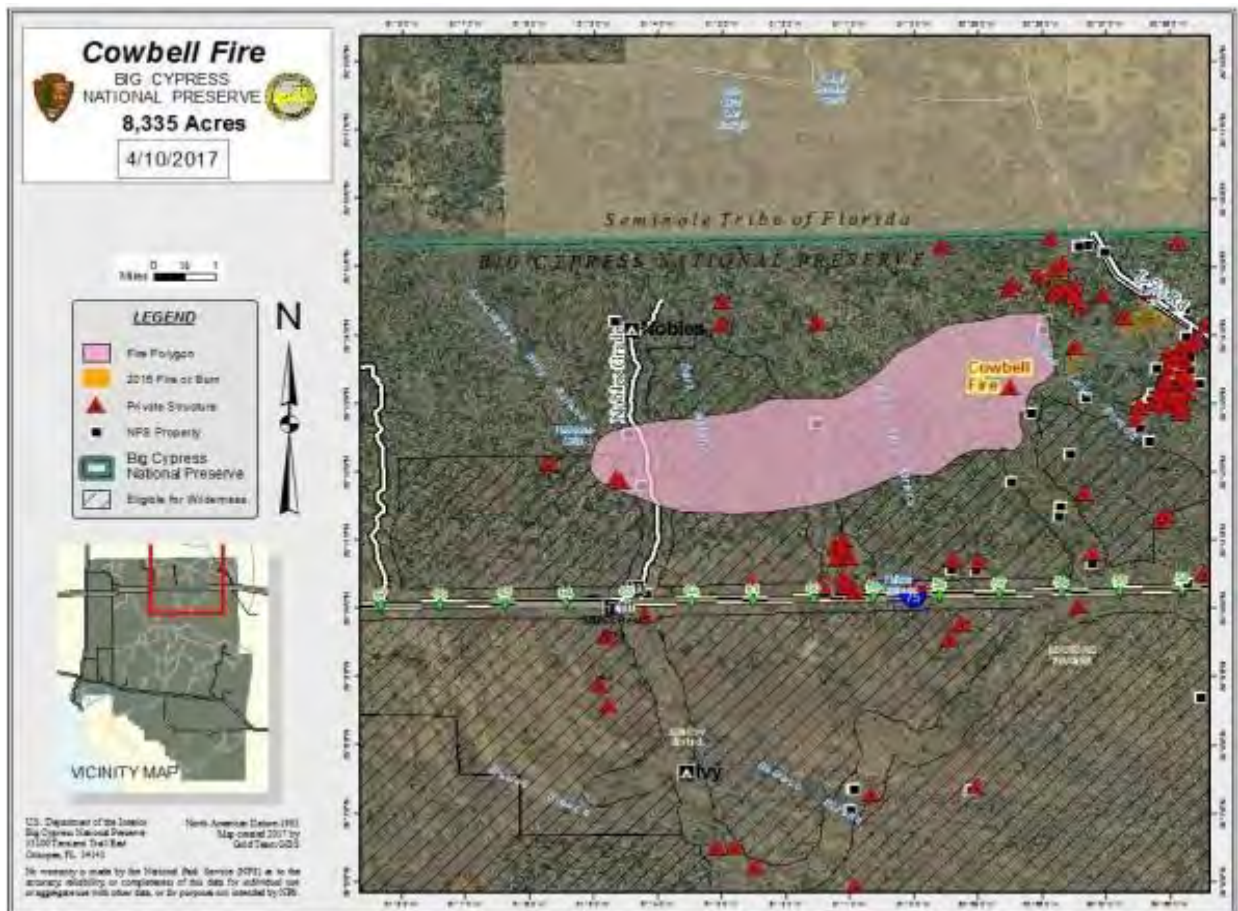
#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 10,435 (+2,100)
- Containment: 5-percent (-8)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 259 (+2) / 63 (-2)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Extreme fire behavior was observed during this reporting period, which resulted in significant perimeter growth. The current drought conditions have resulted in dry fuels, and rainfall is not expected in the fire area throughout the week. Additional perimeter spread is

likely over the next 72 hours. Fire managers are utilizing confine, contain, and point protection strategies that commit responders only to operations where they can be successful. Burnout and structure protection operations are ongoing. In addition to the private residences, the fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures are in effect.

Aerial resources assigned to the fire will be utilized to minimize fire behavior. This will provide personnel the ability to conduct operations in more favorable conditions. The use of these resources enhance the probability of success for operations to secure control lines while meeting objectives. Although some mechanical equipment and tools have been approved, Minimum Impact Suppression Tactics (MIST) are being utilized to decrease damage to ecosystems within the Big Cypress National Preserve. According to the most recent Incident Status Summary (ICS-209), the fire's perimeter could increase to 14,000 acres.



NPS Image

## Volcano Activity

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 10, 2017*

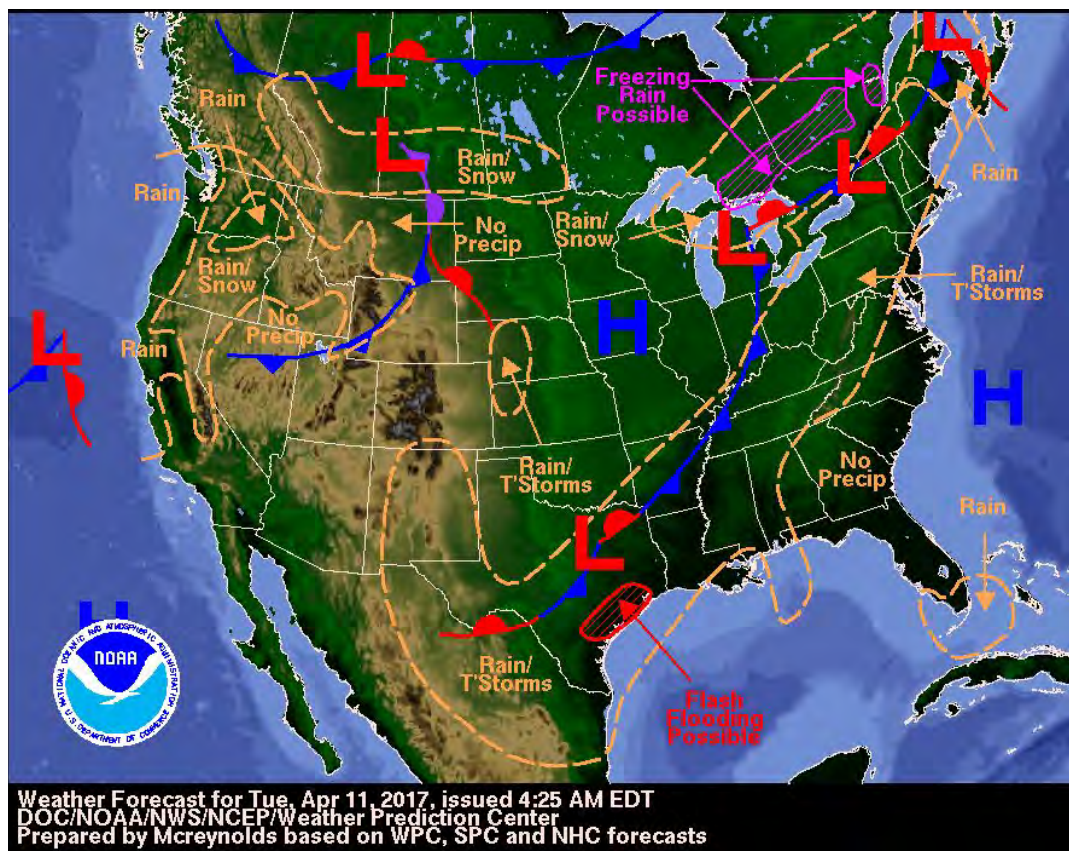
**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow continues to enter the ocean at Kamokuna, where a small lava delta has been growing since late March. Explosion debris was observed on Saturday near the ocean entry point, and surface flows remained active above the pali. The lava flows on Kilauea pose no threat to nearby communities.

## Significant National Weather

*Source: National Weather Service - April 11, 2017*



### **Today:**

A frontal boundary will stretch from New England across the eastern Great Lakes to the lower Mississippi Valley and into central Texas. Showers and thunderstorms will develop from New

England to the lower Mississippi Valley, Rio Grande Valley into most of New Mexico. Heavy rain is possible along the central Texas Gulf Coast where there will be the threat of flash flooding. Rain and snow will stretch from the northern Great Lakes to the mouth of the St. Lawrence River. Rain will be found along the West Coast from central California to Washington. An additional area of rain will develop across the interior valleys of the Northwest.

### Tomorrow:

The eastern frontal system will extend from eastern New England down the East Coast into the Deep South. Rain and snow will develop across northern New England. Showers and thunderstorms will stretch from southeastern New England south into the Carolinas and northern Georgia. Rain is possible for the southern portions of Florida while a few spotty showers and thunderstorms will be found across Mississippi and Alabama. A large area of widespread rain and thunderstorms will develop from northern Mexico northward into the upper Midwest. A few severe thunderstorms will be possible from the southern Plains into the central Plains. Large hail and damaging wind gusts will be the main threats. Rain will be prevalent along the Pacific coastal region, as well as across the interior valleys of Washington and Oregon. Heavy snow is possible for the central and northern Sierras and Cascades.

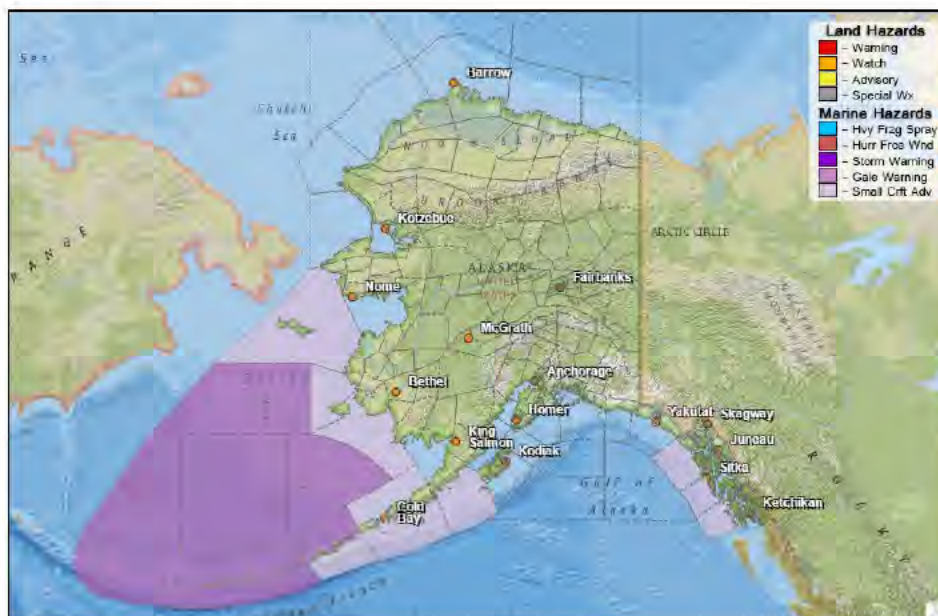
### Weather Hazard Assessment



- April 13-14: Heavy rain across portions of the central Plains, the Great Lakes, the middle Mississippi Valley, the southern Plains, and the upper Mississippi Valley.

- April 14: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- April 14: High winds across portions of mainland Alaska and the Aleutians.
- April 14: High significant wave heights for coastal portions of the Aleutians.
- April 15-16: Heavy rain across portions of the central Plains, the middle Mississippi Valley, the Great Lakes, the Ohio Valley, and the upper Mississippi Valley.
- April 16-17: Heavy rain across portions of California, the central Great Basin, and the Pacific Northwest.

## Alaska Weather

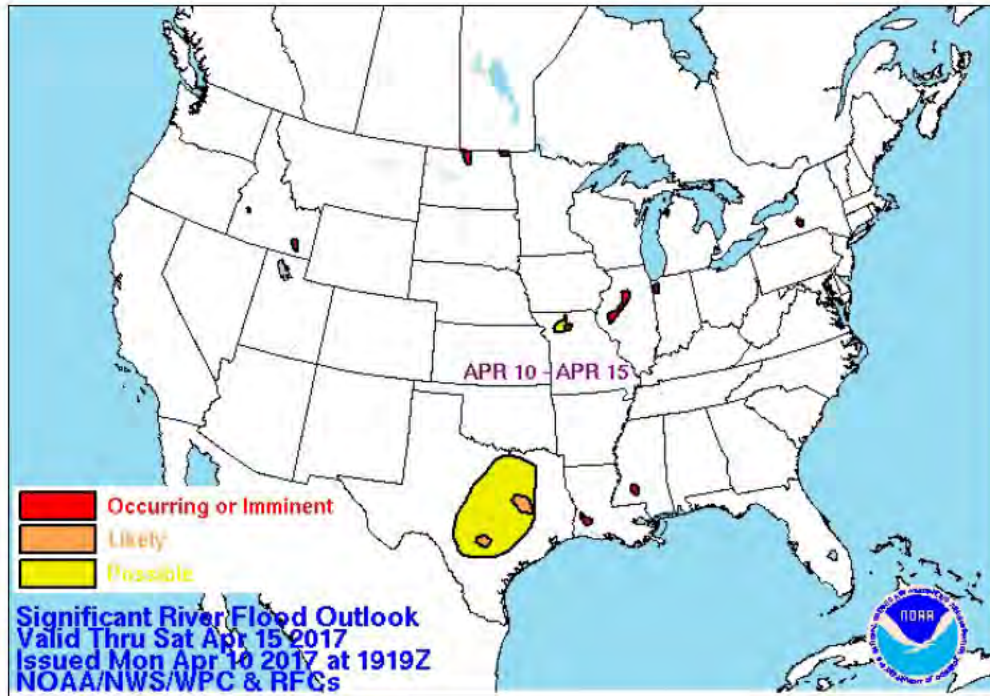


A Small Craft Advisory is in effect for portions of the eastern and western Gulf of Alaska and the eastern Aleutian Islands. A Gale Warning is in effect for the central and western Aleutians, the Pribilof Islands, and St. Matthew Island. There is a Brisk Wind Advisory in effect for the Kuskokwim Delta and Etolin Strait, Nunivak Island, and the St. Matthew Island waters.

## Significant River Flooding

Significant River Flooding is occurring or likely in southern Idaho, northern North Dakota, north-central Missouri, western Illinois, southwestern Louisiana, southwestern Mississippi, northwestern Indiana, central Texas, and south-central New York. Significant River Flooding is possible in northern Missouri, as well as central and eastern Texas.





### Severe Weather



There is a Marginal Risk of severe thunderstorm activity today for portions of southern and western Texas, southern New Mexico, and from eastern Ohio to southern New England.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

## Fire Weather



There is no Critical Fire Weather forecast for today across the U.S.; however, there is Elevated Fire Weather forecast for portions of northern Virginia, central Maryland, southeastern Pennsylvania, southeastern California, central Arizona, and central New Mexico.

*\*End of Report\**

### **Distribution:**

- Assistant Secretaries
- Bureau Heads
- Deputy Assistant Secretaries
- EM Coordinators and Alternates
- EM-ICAT
- EM-Incident Support Team
- EM-Regional Emergency Management Contacts
- IOS Senior Officials
- Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Wednesday, April 12, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Hazardous Spill - Indiana Dunes National Lakeshore, IN

Source: National Park Service, DOI Office of Environmental Policy and Compliance - April 11, 2017

On April 11, the U.S. Environmental Protection Agency (EPA) notified the DOI Office of Environmental Policy and Compliance (OEPC) of a spill emanating from the United States (U.S.) Steel Corporation. Officials report that an undetermined amount of hexavalent chromium was leaked from the steel mill between Route 12 and Lake Michigan on Burns Ditch, adjacent to the Indiana Dunes National Lakeshore park boundary. The outfall is emitting a bright green material and the material is moving towards the park. Hexavalent chromium is a toxic form of the element chromium and is used in the production of chrome alloys to improve corrosion resistance. The steel industry is a major consumer of chromium metal in the production of stainless steel.

The EPA Federal On-Scene Coordinator (FOSC) is on the scene. The EPA is reporting that U.S. Steel had a break in an extension joint, but do not have an estimate on the quantity or concentration of the spill. The Indiana Department of Natural Resources (DNR) and the U.S. Fish and Wildlife Service (FWS) will work with the FOSC on the response. The OEPC has notified NPS, FWS, and the Bureau of Indian Affairs (BIA).



IGEMS Image

### **Wildland Fire Activity**

Source: Fire and Aviation Management Website - April 12, 2017

### **Florida Fires**

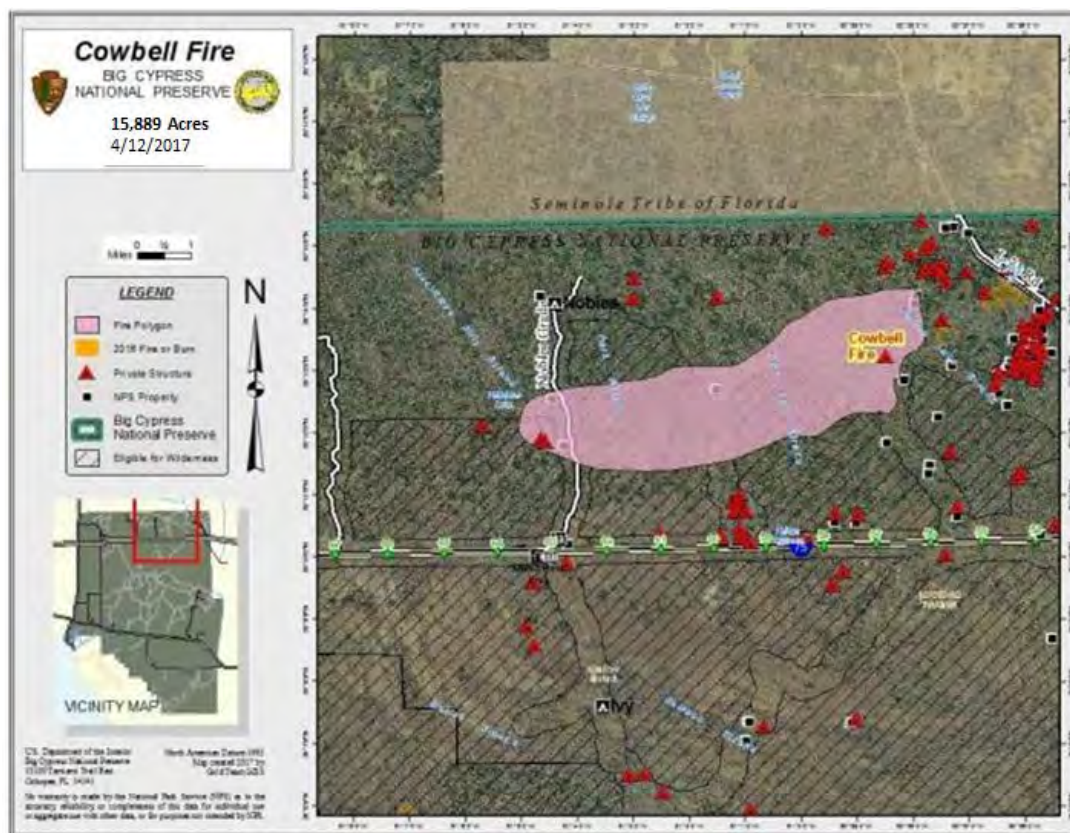
#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 15,889 (+5,454)
- Containment: 11-percent (+6)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 246 (-13) / 67 (+4)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Extreme fire behavior was observed during this reporting period, which resulted in significant perimeter growth. The current drought conditions have resulted in dry fuels, and rainfall is not expected in the fire area throughout the week. Additional perimeter spread is likely over the next 72 hours. Fire managers are utilizing confine, contain, and point protection strategies that commit responders only to operations where they can be successful. Burnout and structure protection operations are ongoing. In addition to the private residences, the fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and

endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures are in effect.

Aerial resources assigned to the fire will be utilized to minimize fire behavior. This will provide personnel the ability to conduct operations in more favorable conditions. The use of these resources enhance the probability of success for operations to secure control lines while meeting objectives. Although some mechanical equipment and tools have been approved, Minimum Impact Suppression Tactics (MIST) are being utilized to decrease damage to ecosystems within the Big Cypress National Preserve. According to the most recent Incident Status Summary (ICS-209), the fire's perimeter could increase to 20,000 acres.



NPS Image

## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 11, 2017

**Alert Level = WATCH**

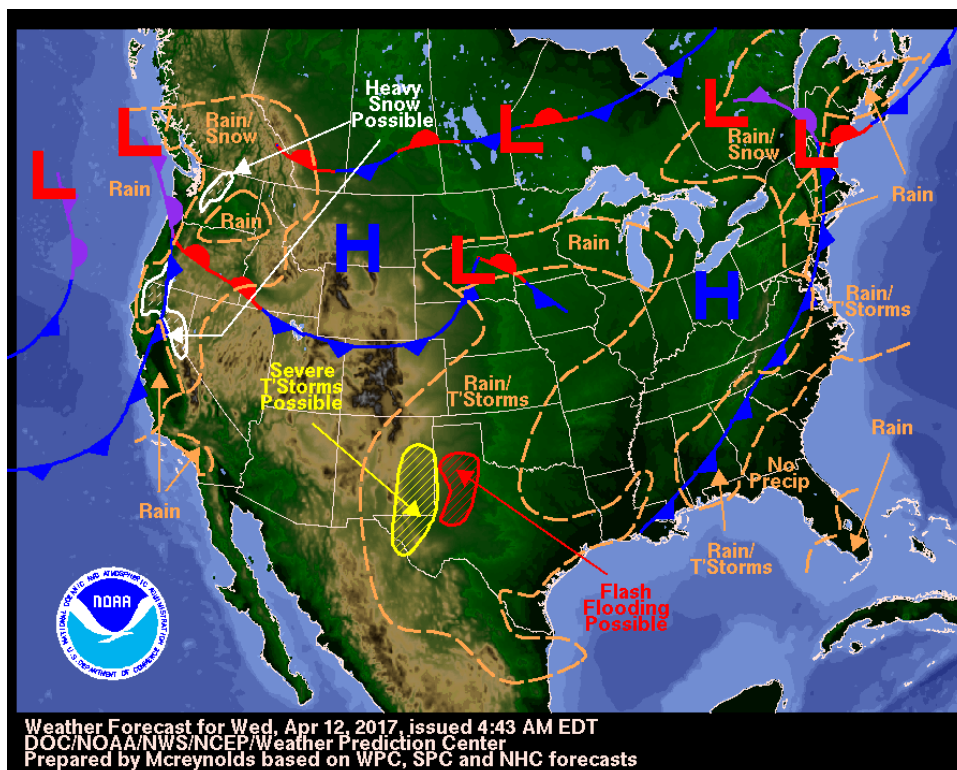
**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at the summit and the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, where a small lava delta has been

growing since late March. Explosion debris was noted over the weekend near the ocean entry. Surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time. The lake surface was measured at 92 feet below the floor of Halema'uma'u Crater on Tuesday morning.

### **Significant National Weather**

*Source: National Weather Service - April 12, 2017*



#### **Today:**

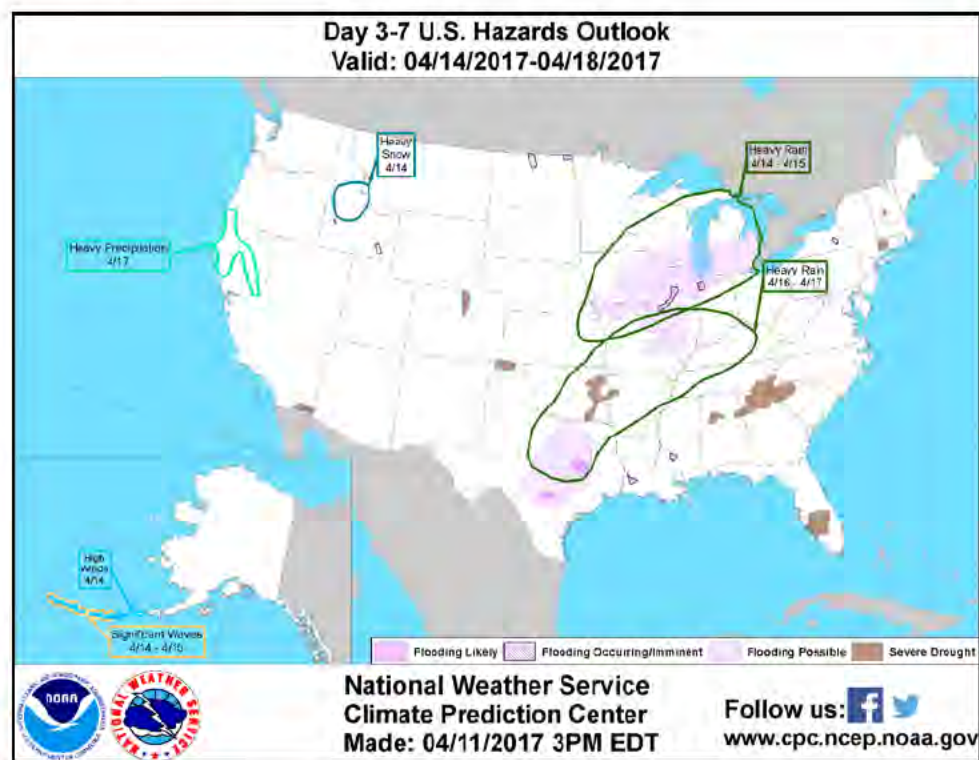
Widespread rain, with periods of heavy rain, is forecast from coastal California to Washington. Rain will also spill over into the interiors of California, Oregon and Washington. Heavy snow is likely to occur in the northern Cascades and the Sierra Nevada mountain ranges. Showers and thunderstorms will span from the southern Rockies to the Great Lakes region as a surface front slowly moves through the central United States. In New Mexico, western Texas and eastern Nebraska, some thunderstorms may turn severe and produce heavy rain, damaging winds and large hail. Heavy rain may produce flash flooding in western and northern Texas. Elsewhere, showers and thunderstorms will accompany a cold front moving through the eastern states today. Precipitation will taper off once this front moves offshore on Thursday.

#### **Tomorrow:**

A frontal system moves into the interior western states, making widespread rain and high elevation snow possible across the West Coast and Pacific Northwest into the Intermountain West and northern Rockies. Snowfall could be heavy at times, especially in southwestern Montana. The slow moving low pressure front continues to bring rain showers and

thunderstorms to the central United States from the southern Great Plains to the Great Lakes and Midwest. Severe thunderstorms are possible across parts of the Texas Trans-Pecos region and southeastern New Mexico. Across central Texas, heavy rain and some flash flooding will be possible. Elsewhere, showers and thunderstorms may linger along the Carolina coast as a cold front moves offshore later in the day.

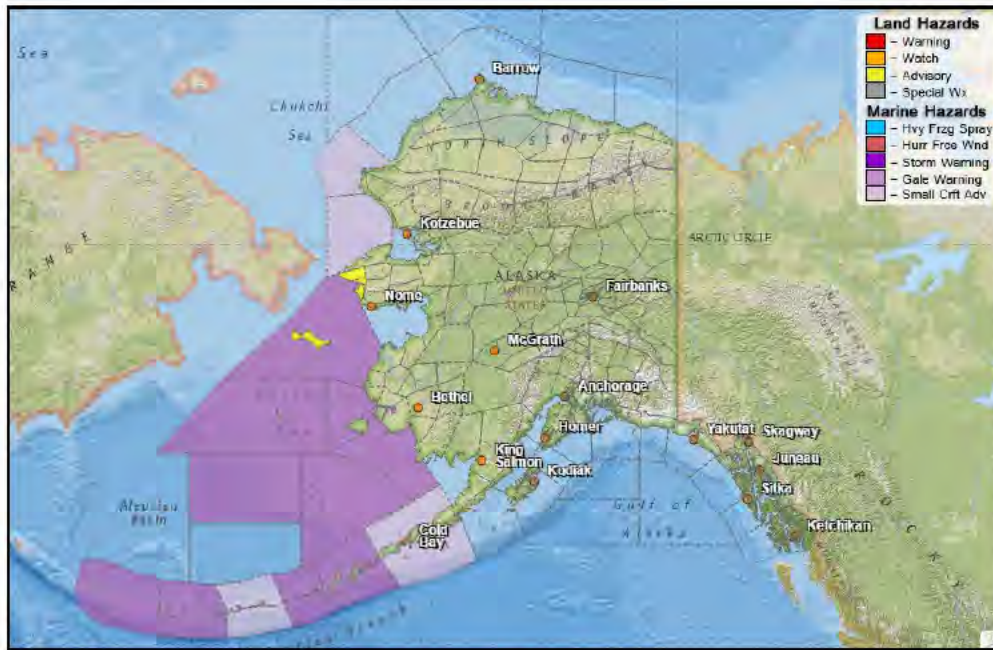
## Weather Hazard Assessment



- April 12: Severe Drought across the central Plains, the lower Mississippi Valley, the Tennessee Valley, Hawaii, the central Rockies, the Northeast, California, the Southeast, the southern Appalachians, the southern Plains, and the Southwest.
- April 12: Flooding is occurring or imminent across portions of the Northeast, the Great Lakes, the northern Great Basin, the lower and middle Mississippi Valley, and the northern Plains. Flooding is possible across portions of the central and southern Plains, the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley. Flooding is occurring or imminent across portions of the Northeast, the Great Lakes, the northern Great Basin. Flooding is likely across portions of the southern Plains.
- April 14: Heavy snow across portions of the northern Rockies and the northern Great Basin.
- April 14: High winds across portions of mainland Alaska and the Aleutians.
- April 14-15: High significant wave heights for coastal portions of the Aleutians.
- April 14-15: Heavy rain across portions of the central Plains, the middle and upper Mississippi Valley, the Great Lakes, and the Ohio Valley, .

- April 16-17: Heavy rain across portions of the southern and central Plains, the lower and middle Mississippi Valley, the Tennessee Valley, and the Ohio Valley.
- April 21-22: Slight risk of much below normal temperatures for portions of the central and northern Great Basin, the central and northern Rockies, California, the Pacific Northwest, and the Southwest.

## Alaska Weather

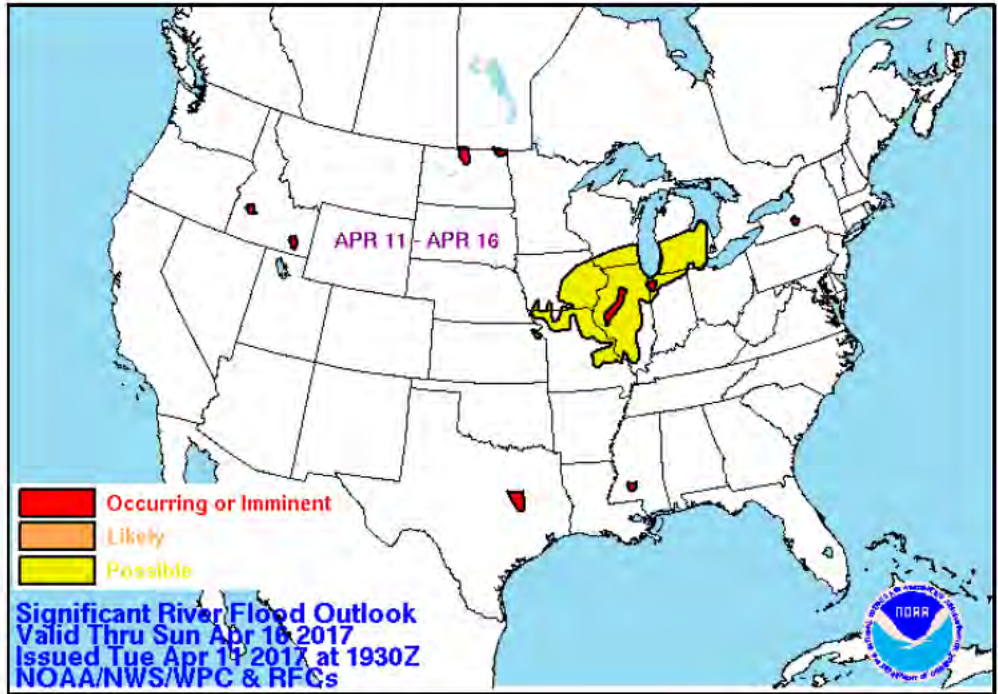


A Small Craft Advisory is in effect for portions of the central and eastern Aleutian Islands and from Wales to Cape Beaufort. A Gale Warning is in effect for the central and western Aleutians, the Pribilof Islands, the waters around St. Matthew Island, Nunivak Island, the Kuskokwim Delta and Etolin Strait, and the waters around St. Lawrence Island. There is a Winter Weather Advisory in effect for St. Lawrence Island, Wales, and Brevig Mission.

## Significant River Flooding

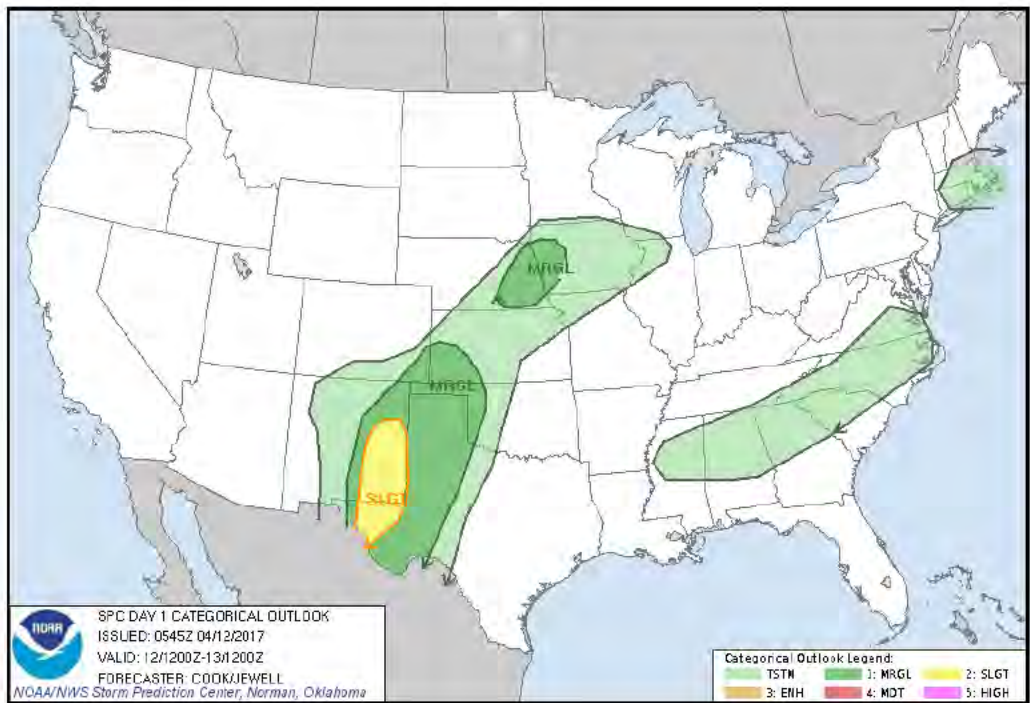
Significant River Flooding is occurring in southern Idaho, northern North Dakota, western Illinois, southwestern Louisiana, southwestern Mississippi, northwestern Indiana, central Texas, and south-central New York. Significant River Flooding is possible across portions of the middle Mississippi Valley and the Great Lakes.



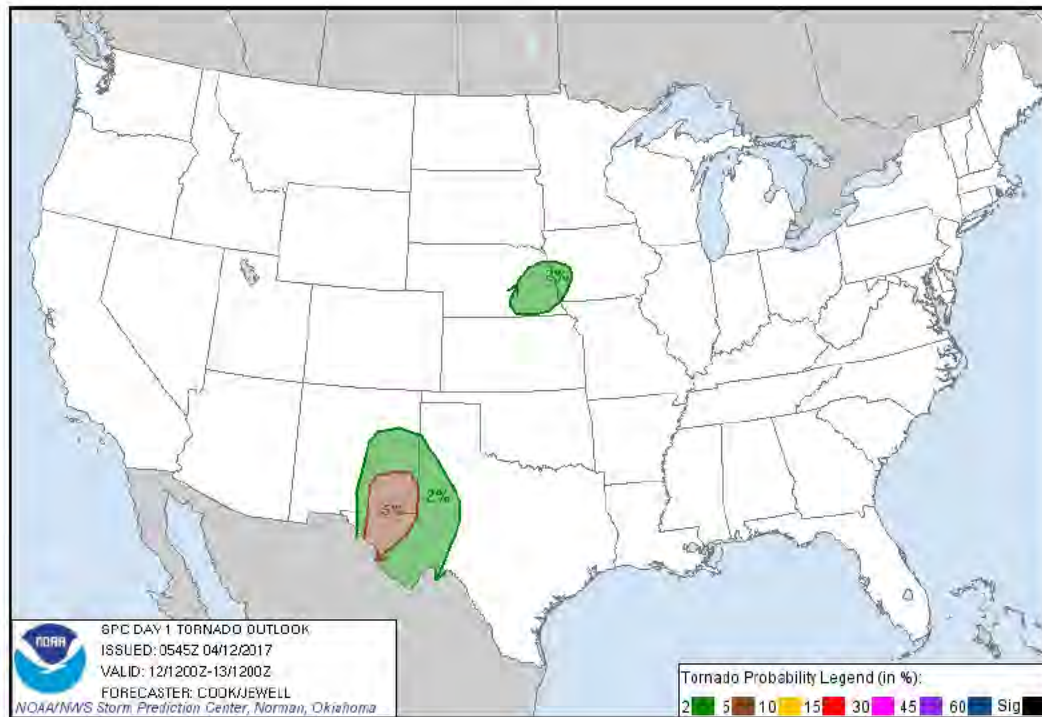


## Severe Weather

There is a Slight Risk of severe thunderstorm activity today across eastern New Mexico and far western Texas. There is a Marginal Risk of severe thunderstorm activity surrounding the slight risk across much of the southern High Plains. There is also a Marginal Risk of severe thunderstorm activity in eastern Nebraska and western Iowa.



## Tornado Weather



There is a 5-percent chance of tornado activity today in far western Texas and southeastern New Mexico. There is a 2-percent chance of tornado activity surrounding the higher risk area, as well as in southeastern Nebraska and western Iowa.

## Fire Weather

There is no Critical Fire Weather forecast for today across the U.S.

*\*End of Report\**

### Distribution:

- Assistant Secretaries
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**U.S. Department of the Interior  
Office of Emergency Management  
Emergency Management Daily Situation Report**



As of 8:00 a.m. EDT, Thursday, April 13, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

**Alerts & Warnings**

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued  
Continuity of Operations (COOP) COGCON Level is 4  
National Wildland Fire Preparedness Level is 1  
Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE  
The Interior Operations Center is at Level 4 (Normal Operations)**

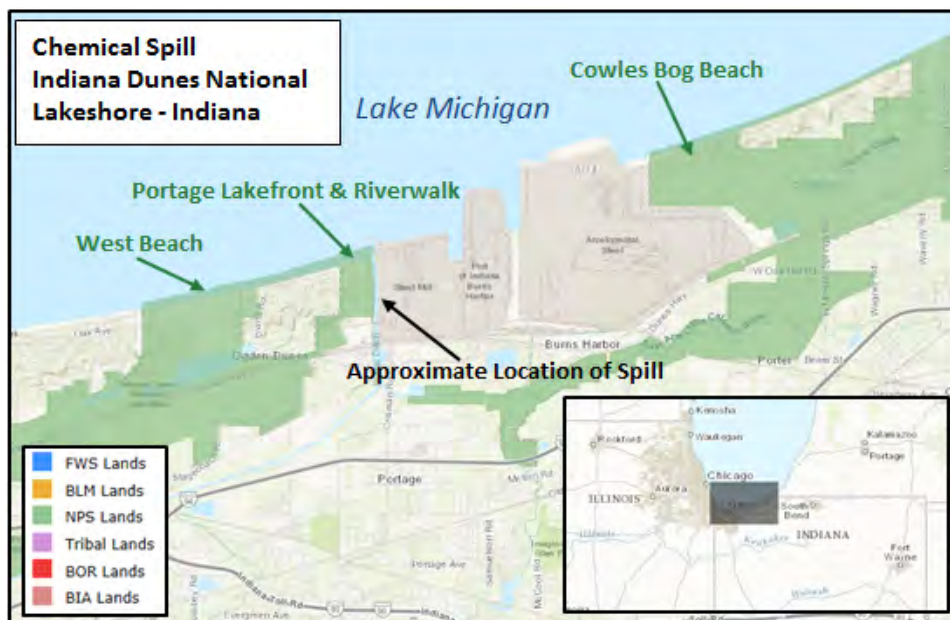
**Chemical Spill - Indiana Dunes National Lakeshore, IN**

*Source: National Park Service Press Release - April 12, 2017*

On April 12, the National Park Service (NPS) reported that they have closed a third beach area, the Cowles Bog Beach, at the Indiana Dunes National Lakeshore due to the chemical spill that was first reported on April 11. The chemical, hexavalent chromium, is a toxic form of the element chromium and is used in the production of chrome alloys. The amount of the spill, or if it has been fully contained, has not yet been determined by the U.S. Environmental Protection Agency (EPA).

This additional beach closure is based on a recommendation that all beaches within three miles of the discharge site be closed as a precaution to protect the health of park visitors. In addition to the Cowles Bog Beach, the West Beach, the Portage Lakefront, and Riverwalk sites will remain closed until further notice. While the beach at Cowles Bog has been closed, the trails in that area are open to the public.

The affected beaches and water at the Indiana Dunes National Lakeshore will be independently tested and monitored to determine when they are safe to reopen. The EPA is the lead agency on this incident, and the NPS has staff on-scene and will continue to closely monitor the situation.



IGEMS Image

## Wildland Fire Activity

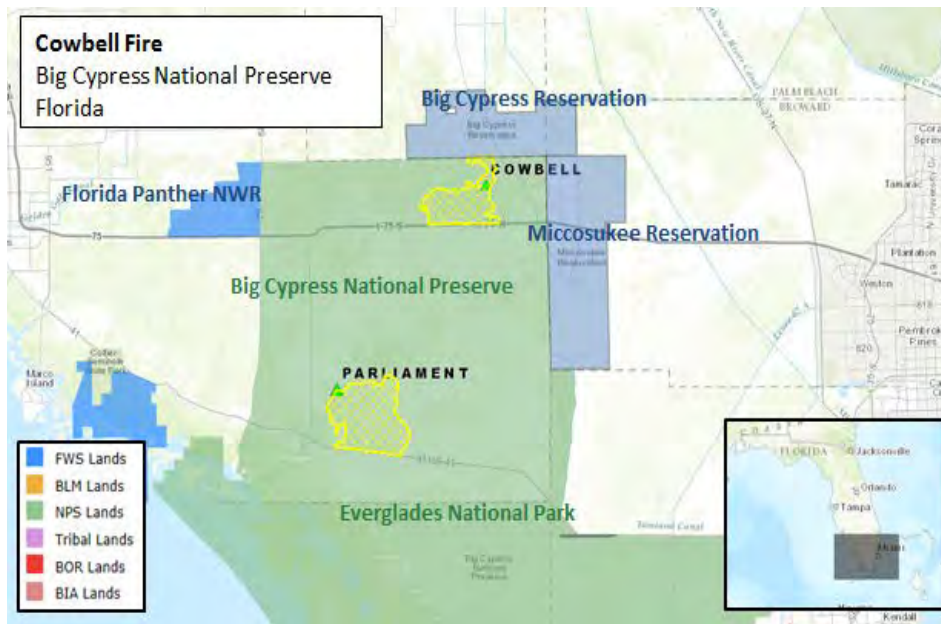
Source: Fire and Aviation Management Website - April 13, 2017

### Florida Fires

#### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 16,944 (+1,055)
- Containment: 38-percent (+27)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 261 (+15) / 72 (+5)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Moderate fire behavior was observed during this reporting period, and some additional perimeter spread is possible over the next 72 hours. Increasing cloudiness brought some afternoon rain to the fire area on Wednesday, with up to ½ inch of rainfall being received in some locations. After the rainfall, the fire behavior was described as “smoldering and creeping”. In addition to the private residences, the fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures remain in effect.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

*Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 12, 2017*

**Alert Level = WATCH**

**Color Code = ORANGE**

Kīlauea Volcano continues to erupt at its summit and from the Pu‘u ‘Ō‘ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, where a small lava delta has been growing since late March. Explosion debris was noted over the weekend near the ocean entry, and surface flows remained active above the pali. These lava flows pose no threat to nearby communities at this time. This morning, the lake surface 92 ft below the floor of Halema‘uma‘u Crater.

## Significant National Weather

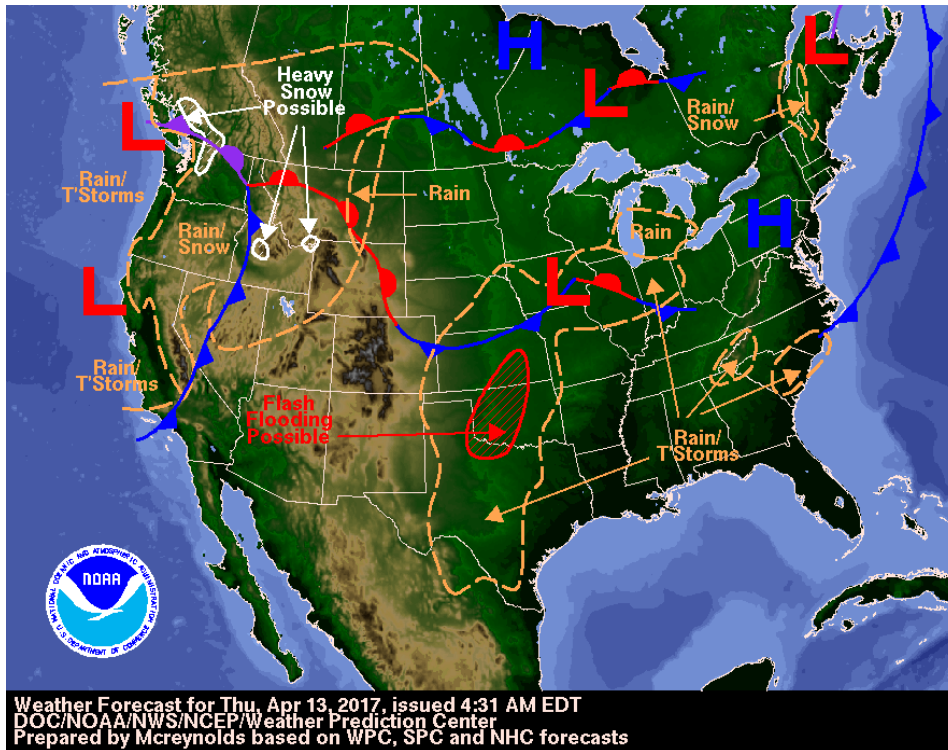
*Source: National Weather Service - April 13, 2017*

### **Today:**

A large and anomalous upper-level low is digging into northern Mexico this morning, and will slowly move southeastward through the next couple days. At the surface, a low pressure system associated with the upper-low will move into western Texas by late this afternoon. A warm, moist, and unstable air mass across the southern Plains and Mississippi Valley ahead of this system will result in the development of widespread showers and thunderstorms today from the southern Plains to the Great Lakes. Some thunderstorms may become severe across portions of the southern Plains. Additionally, flash flooding is possible across portions of the southern Plains and lower Mississippi Valley.

### Tomorrow:

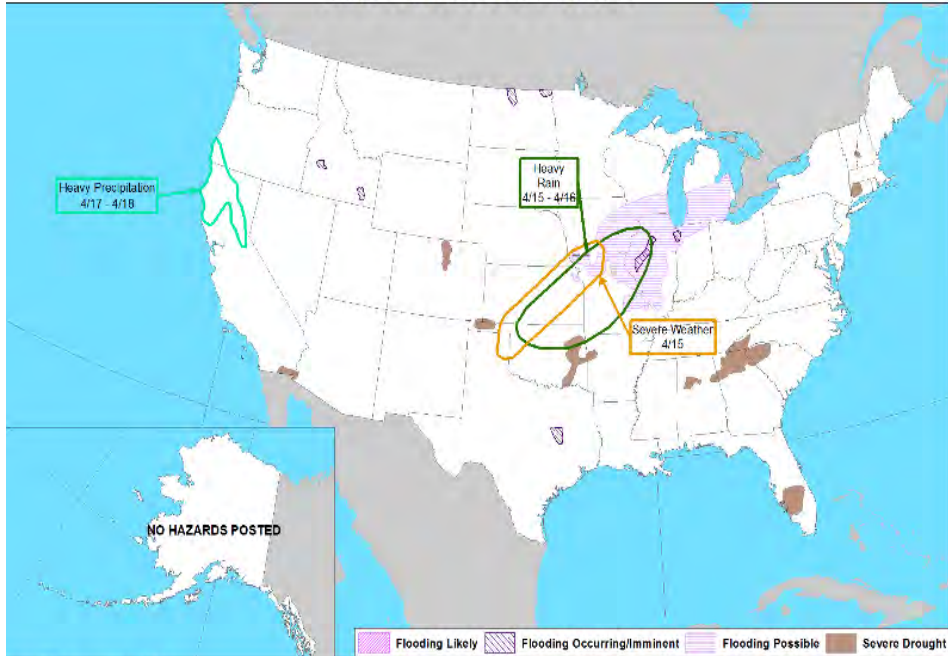
A Pacific storm system approaches the upper Midwest spreading the chance of rain and thunderstorms throughout this region and the Great Lakes. Flash flooding will be possible across the upper Mississippi River Valley in Iowa and southern Minnesota. A storm system off the coast of Vancouver Island will increase the chance of rain across the Pacific Northwest and portions of the Intermountain West. Heavy snow will likely continue across the northern Cascades and higher elevations in Idaho. There will be a chance of rain and thunderstorms for the southern and central Appalachians as well as much of the Ohio Valley.



### Weather Hazard Assessment

- April 13: Severe drought across parts of Arizona, California, the central and southern Great Plains, and the eastern U.S.
- April 13: Flooding is occurring, imminent, or possible across parts of Idaho, North Dakota, Texas, and much of the Midwest.
- April 15: Severe weather is likely from Iowa to the southern Great Plains.
- April 15-16: Heavy rain for parts of the middle Mississippi Valley and the central and southern Great Plains.
- April 17-18: Heavy precipitation (rain and high elevation snow) for parts of northern California and southwestern Oregon.
- April 20-21: Slight risk of much above-normal temperatures for parts of Georgia, South Carolina, and Texas.

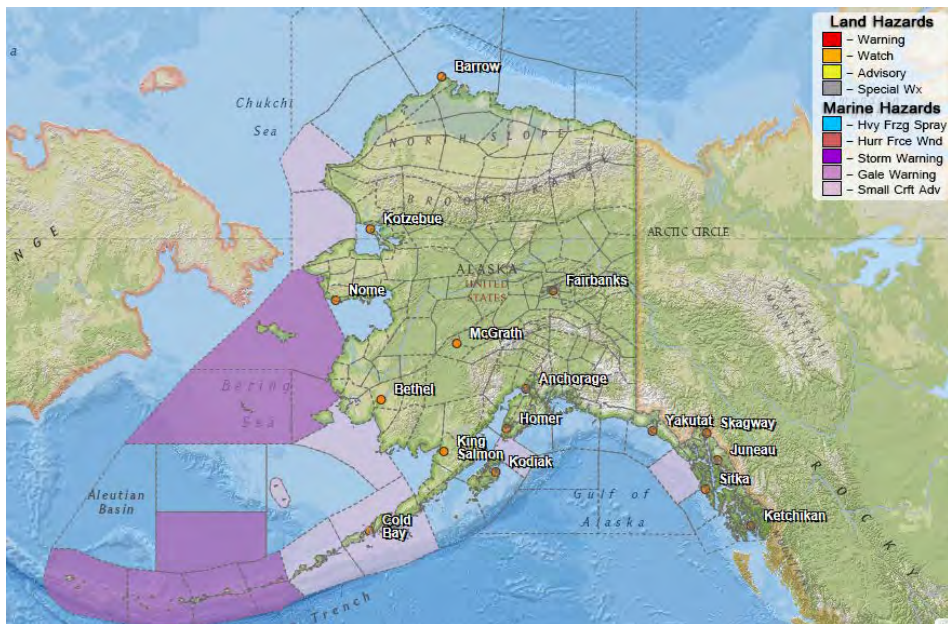
**Day 3-7 U.S. Hazards Outlook**  
**Valid: 04/15/2017-04/19/2017**



**National Weather Service**  
**Climate Prediction Center**  
**Made: 04/12/2017 3PM EDT**

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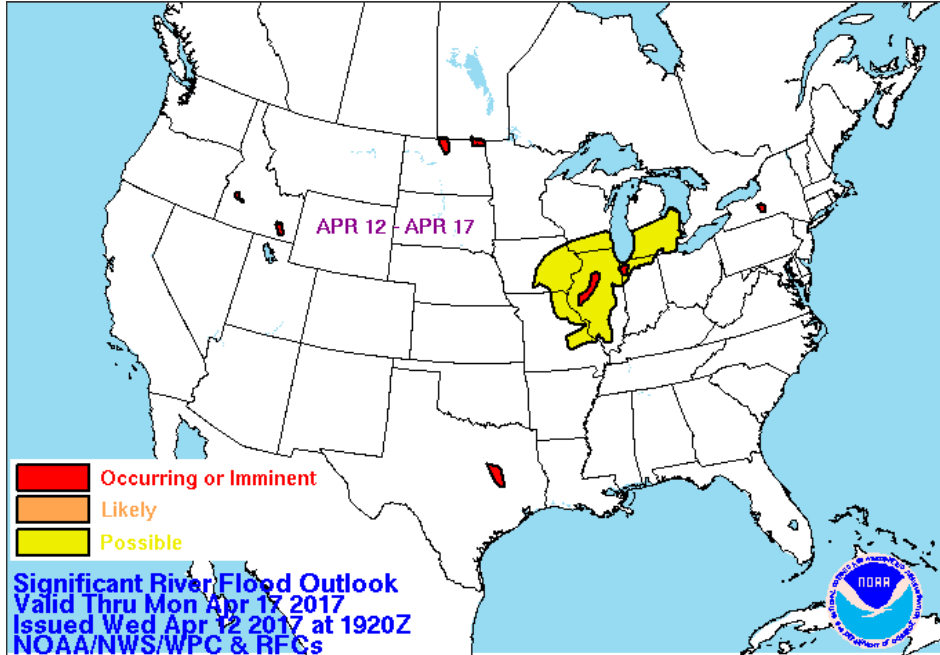
**Alaska Weather**



A Gale Warning is in effect for the central and western Aleutian Islands, Nunivak Island, St. Matthew Island, St. Lawrence Island, and from Dall Point to Wales. A Small Craft Advisory is in effect for the eastern Aleutian Islands, the Pribilof Islands, the Kuskokwim Delta, the Etolin

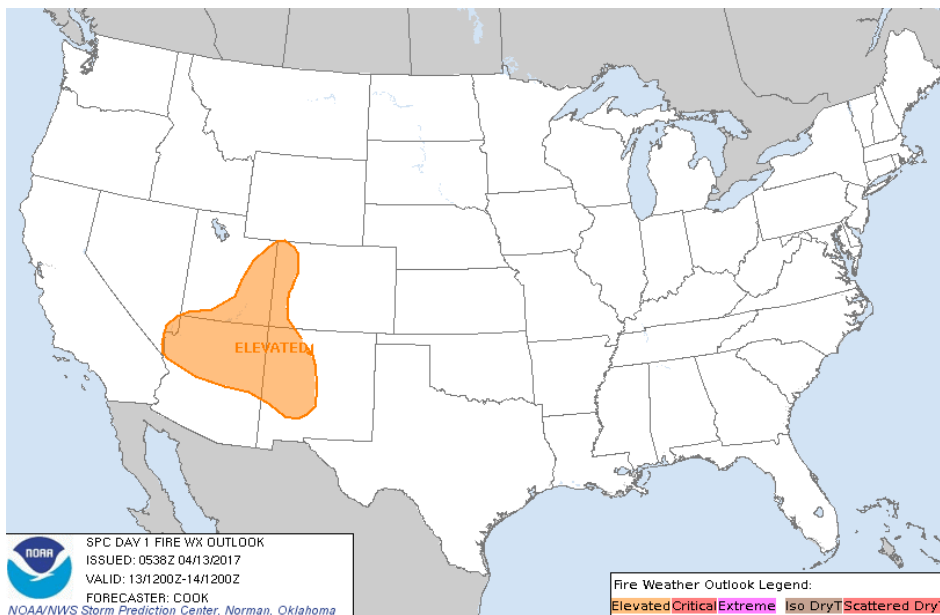
Strait, the Barren Islands, and from Cape Edgecumbe to Cape Fairweather. A Brisk Wind Advisory is in effect from Wales to Cape Beaufort.

### Significant River Flooding



Significant River Flooding is occurring in southern Idaho, northern North Dakota, western Illinois, northwestern Indiana, eastern Texas, and south-central New York. Significant River Flooding is possible across portions of the middle Mississippi Valley and the Great Lakes.

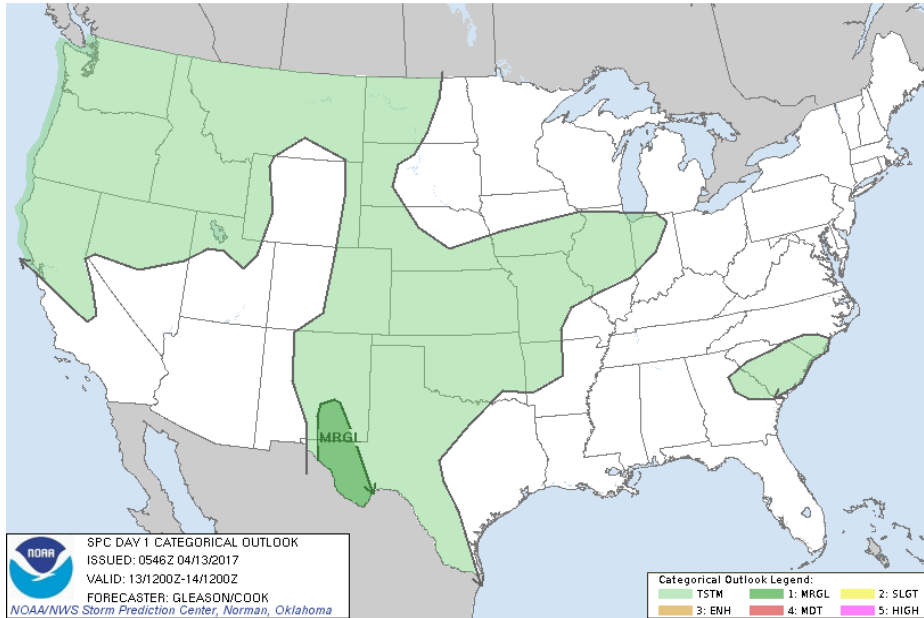
### Fire Weather





There is no Critical Fire Weather forecast for today across the U.S.; however, Elevated Fire Weather is forecast for parts of western and central New Mexico, western Colorado, eastern and southern Utah, southeastern Nevada, and the northern half of Arizona.

## Severe Weather



There is a Marginal Risk of severe thunderstorm activity today in parts of southeastern New Mexico and western Texas.

## Tornado Weather

There is less than a 2-percent chance of tornado activity today across the U.S.

***\*End of Report\****

### **Distribution:**

Assistant Secretaries  
Bureau Heads  
Deputy Assistant Secretaries  
EM Coordinators and Alternates  
EM-ICAT  
EM-Incident Support Team  
EM-Regional Emergency Management Contacts  
IOS Senior Officials  
Select Individuals/Interagency Partners

# U.S. Department of the Interior Office of Emergency Management Emergency Management Daily Situation Report



As of 8:00 a.m. EDT, Friday, April 14, 2017

The Department of the Interior Operations Center monitors daily incident activity and selects items of interest to the Department's emergency management community from the National Interagency Fire Center, the Department of Homeland Security, and other sources for this report. Bureau/office Emergency Coordinators are responsible for providing incident reports on items that are of interest to senior leadership and the emergency management community to the DOI Operations Center (IOC). Items may be edited or excerpted for brevity. Some of the items contained in this report may be marked For Official Use Only (FOUO) and dissemination of these items should be limited for security purposes.

## Alerts & Warnings

**National Terrorism Advisory System (NTAS) - Heightened Awareness Bulletin Issued**  
**Continuity of Operations (COOP) COGCON Level is 4**  
**National Wildland Fire Preparedness Level is 1**  
**Kilauea Volcano: Alert Level is WATCH; Aviation Color Code is ORANGE**  
**The Interior Operations Center is at Level 4 (Normal Operations)**

## Wildland Fire Activity

*Source: [Fire and Aviation Management Website - April 14, 2017](#)*

## Florida Fires

### **Cowbell Fire**

- Start Date: March 30
- Location: Big Cypress National Preserve, FL (NPS)
- Burned Acres: 16,958 (+14)
- Containment: 47-percent (+9)
- Management: Type-2 IMT
- Personnel Assigned / DOI: 274 (+13) / 77 (+5)
- Structures Threatened-Single-Mixed Residential/Commercial: 25 / 0 (no change)
- Evacuations / Sheltered in place: 0 / 0 (no change)
- Injuries / Fatalities: 0 / 0 (no change)
- Containment Date: April 30

Comments: Moderate fire behavior was observed during this reporting period, and additional perimeter spread is possible over the next several days. The fire continues to threaten infrastructure, transportation corridors, federal facilities, threatened and endangered (T&E) species/habitat, recreational resources, and cultural resources. Area and trail closures remain in effect.

The current drought conditions have resulted in dry fuels in the fire area. According to the most recent Incident Status Summary (ICS-209), fuel structure modification is needed in order to reduce the amount of fuels near the fireline. The reduction in fuels will aid in the control of strategic firing operations. Fire managers have implemented confine, contain, and point protection strategies that commit responders only to operations where they can be successful. Even though some mechanical equipment and tools have been approved for use, Minimum Impact Suppression Tactics (MIST) are being utilized to decrease damage to the ecosystems within the Big Cypress National Preserve. Aerial resources assigned to the fire are being utilized to minimize fire behavior.



IGEMS Image

## Volcano Activity

### **Kilauea Volcano, HI**

Source: U.S. Geological Survey, Hawaiian Volcano Observatory (HVO) – April 13, 2017

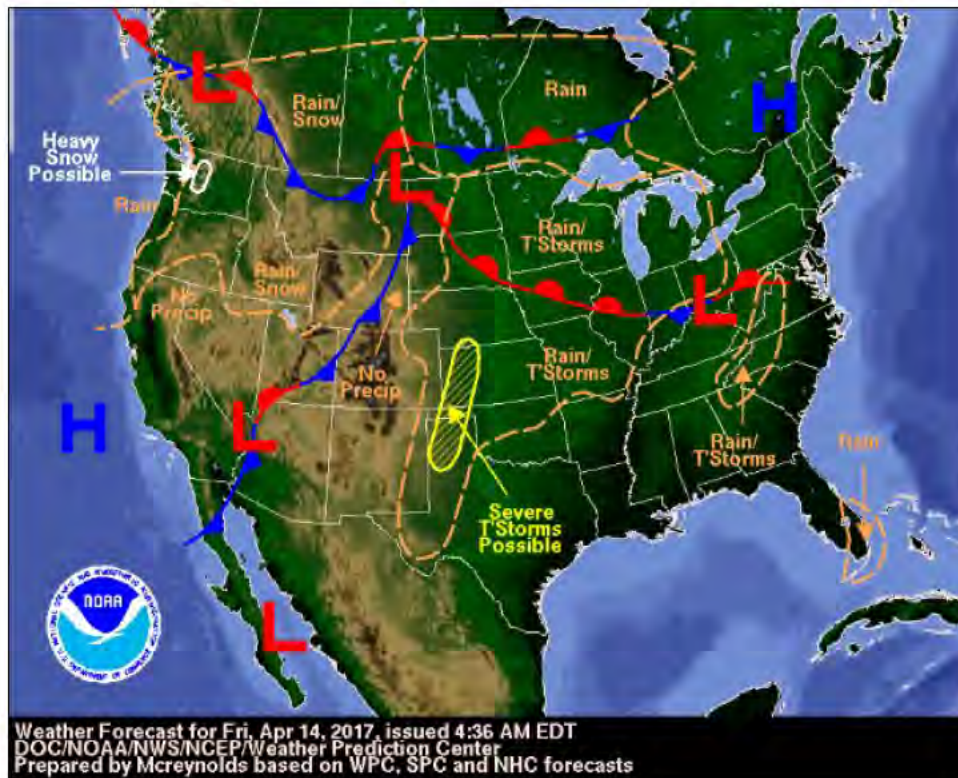
**Alert Level = WATCH**

**Color Code = ORANGE**

Kilauea Volcano continues to erupt at its summit and from the Pu'u 'Ō'ō vent on its East Rift Zone. The episode 61g lava flow is entering the ocean at Kamokuna, and surface flows remain active above the pali. These lava flows pose no threat to nearby communities at this time.

## **Significant National Weather**

**Source:** *National Weather Service - April 14, 2017*



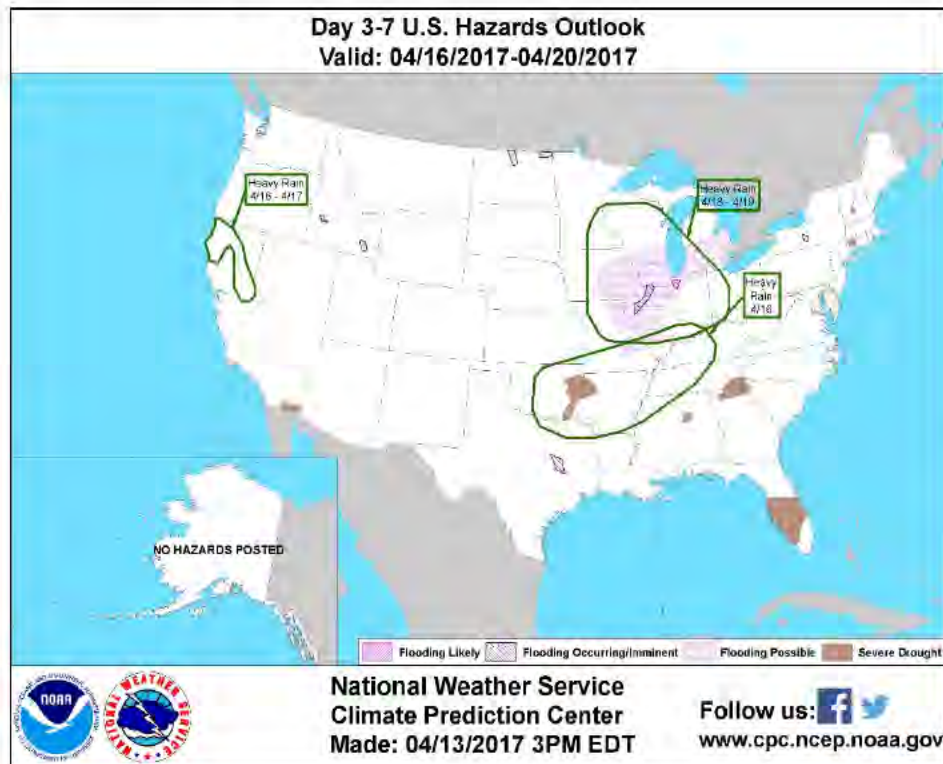
### **Today:**

A strong Pacific storm system will push inland bringing rain and mountain snow to the Pacific Northwest, the Intermountain West, and Northern California. Snow will be heavy over the Northern Cascades, Bitterroots, and Teton Ranges. A frontal system coming out of Rockies will bring stormy weather from Texas to the upper Midwest. A band of severe thunderstorms is possible from northern Texas to western Kansas, which will move eastward into the Missouri River Valley by Saturday. Critical and Elevated Fire Weather conditions are possible from eastern Arizona to Kansas, but conditions will improve as high winds and the chances of dry thunderstorms decline.

### **Tomorrow:**

A storm system in the central U.S. will tap into moisture from the Gulf of Mexico and bring the threat of severe weather to northern Oklahoma, eastern Kansas, northwestern Missouri, and southern Iowa. There will be a chance of rain and thunderstorms from Texas northward through the upper Midwest, the Great Lakes, and the Midwest. Thunderstorms will also affect the mid-Atlantic and Northeast. Precipitation on the west coast will be limited to Washington, northern sections of Idaho, and Montana.

## Weather Hazard Assessment

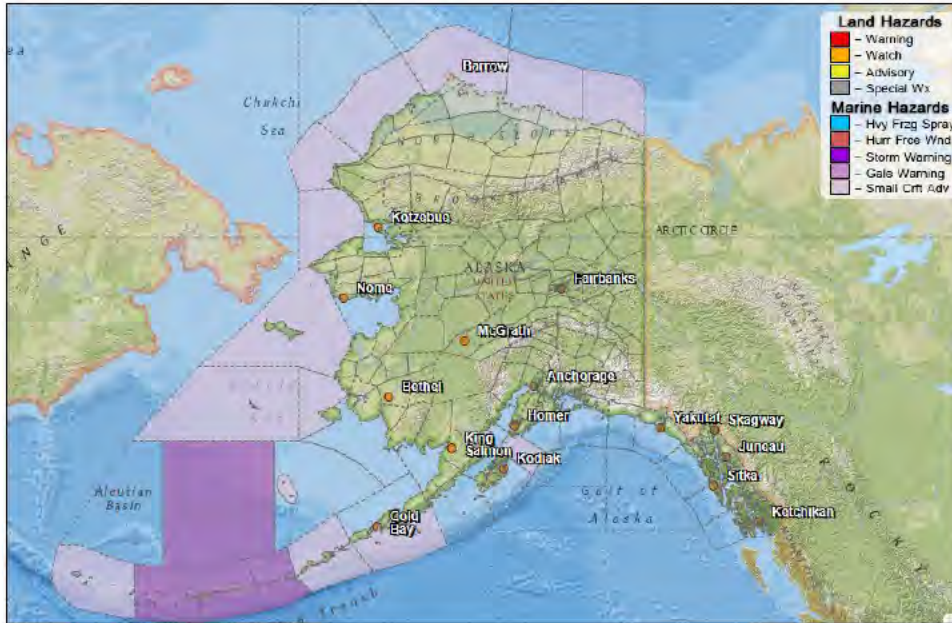


- April 14: Severe drought across the lower Mississippi Valley, the Tennessee Valley, Hawaii, the Northeast, California, the Southeast, the southern Appalachians, the southern Plains, and the Southwest.
- April 14: Flooding is occurring, imminent, or possible across parts of the middle Mississippi Valley, the Great Lakes, the Ohio Valley, the Northeast, the northern Plains, the southern Plains, the northern Great Basin, and the upper Mississippi Valley.
- April 16: Heavy rain across portions of the central Plains, the lower Mississippi Valley, the Tennessee Valley, the middle Mississippi Valley, the southern Plains, and the Ohio Valley.
- April 16-17: Heavy rain across portions of northern California.
- April 18-19: Heavy rain across portions of the middle Mississippi Valley, the Great Lakes, the Ohio Valley, and the upper Mississippi Valley.
- April 21: Slight risk of much below normal temperatures for portions of the Great Basin, the Rockies, the Southwest, and the northern and central Great Plains.
- April 21: Slight risk of much above normal temperatures for portions of the Southeast and the southern Plains.

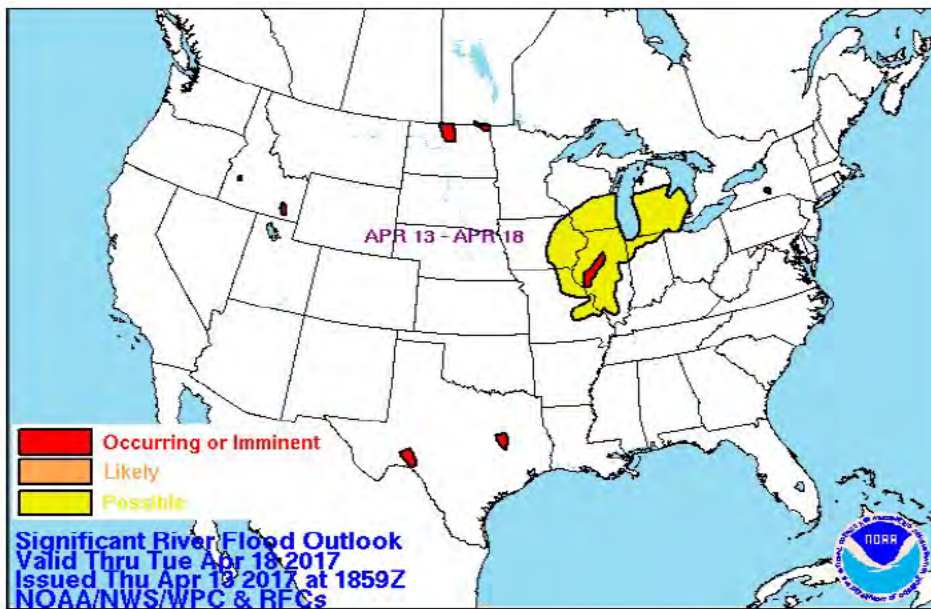
### Alaska Weather

A Small Craft Advisory is in effect for the eastern and western Aleutian Islands, the Pribilof Islands, St. Matthew Island, St. Lawrence Island, and from Dall Point to Wales. A Gale Warning

is in effect for the central Aleutians. A Brisk Wind Advisory is in effect for Nunivak Island and from Wales to Demarcation Point.



### Significant River Flooding



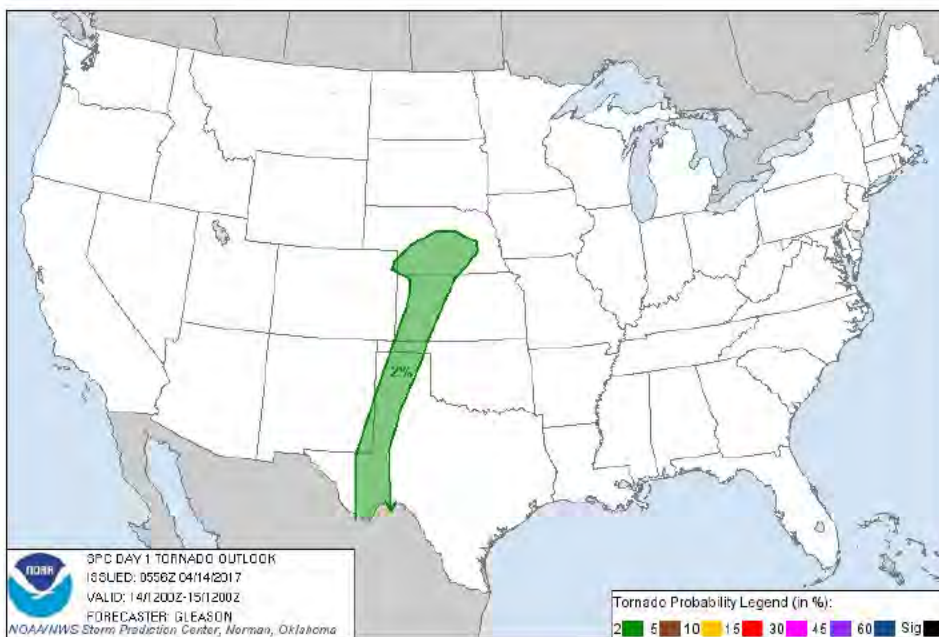
Significant River Flooding is occurring in southern Idaho, northern North Dakota, western Illinois, south-central New York, and eastern/western Texas. Significant River Flooding is possible across portions of the middle Mississippi Valley and the Great Lakes.

## Severe Weather



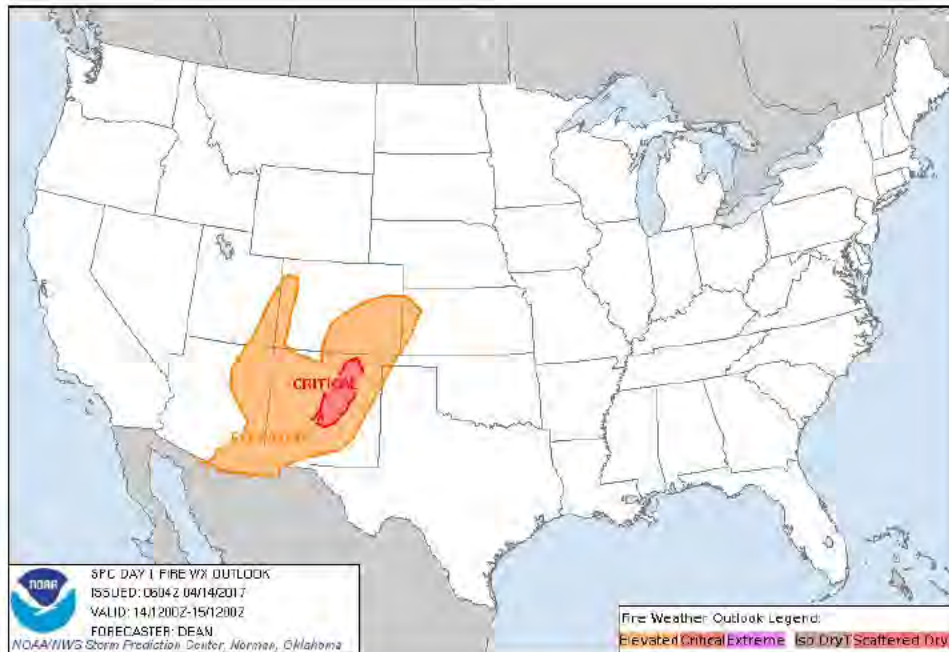
There is a Slight Risk of severe thunderstorm activity today across portions of the central and southern High Plains. There is a Marginal Risk of severe thunderstorm activity from the central Plains into the middle Missouri Valley and the southern High Plains.

## Tornado Weather



There is a 2-percent chance of tornado activity today from western Texas to central Nebraska.

## Fire Weather



There is Critical Fire Weather forecast for today for portions of central and northeastern New Mexico. There is Elevated Fire Weather forecast for eastern Arizona, eastern Utah, New Mexico, Colorado, western Oklahoma, western Kansas, and far northwestern Texas.

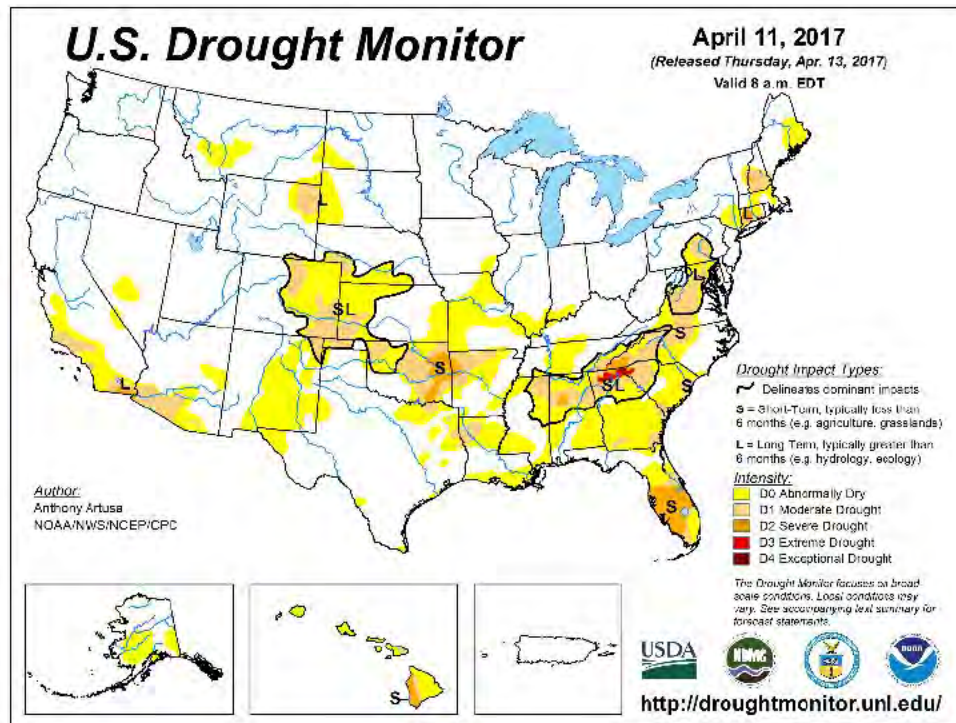
## Other News and Notes

### U.S. Drought Monitor

Source: National Drought Mitigation Center - April 13, 2017

Moderate to heavy precipitation occurred across the contiguous U.S. (CONUS) during the past week, with the notable exceptions being the Southwest and the southern High Plains. There were also numerous reports of severe weather over the central and eastern CONUS and strong winds over portions of the Pacific Northwest and the northern Rockies. During the next several days, up to 2.5 inches of precipitation is possible from the southern High Plains into the western Great Lakes region. Heavy precipitation (3-4 inches) is expected across the coastal ranges of the Pacific Northwest and northwestern California, the Cascades of the Pacific Northwest, and the California Sierras.





*\*End of Report\**

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