

## 2022 FISHERIES RESOURCE MONITORING PROGRAM

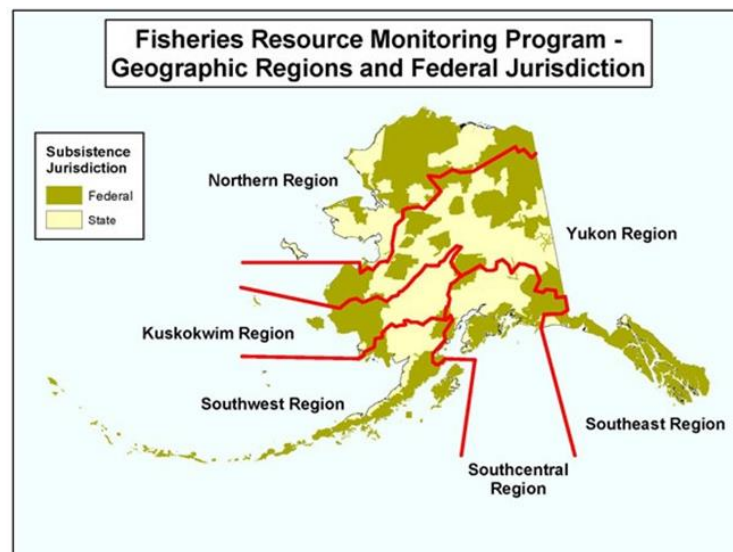
The Office of Subsistence Management administers the Fisheries Resource Monitoring Program (Monitoring Program) and funds research and monitoring that contribute to effective management of subsistence fisheries on Federal public lands and waters in Alaska. The Monitoring Program also supports collaboration and cooperation among Federal agencies, the State of Alaska, and Alaska Native and rural organizations.

Every two years, the Office of Subsistence Management announces a funding opportunity for projects that address priority information needs identified by Federal Subsistence Regional Advisory Councils. The Office of Subsistence Management works with the Subsistence Regional Advisory Councils to identify issues of local concern and knowledge gaps. This information is used to develop regional priorities that guide researchers in proposal development.

Three primary types of research are requested: harvest monitoring, traditional ecological knowledge, and stock status and trends. Harvest monitoring and traditional ecological knowledge projects provide information directly from subsistence users, including descriptions of fishing effort and harvest and use patterns. Stock status and trend projects address fish abundance, migration, and behavior in specific drainage basins.

Research priorities that fall outside the scope of the Monitoring Program are not considered. They include projects focused on: habitat protection, mitigation, restoration, and enhancement; hatchery propagation, restoration, enhancement and supplementation; and contaminant assessment, evaluation, and monitoring. These kinds of projects are most appropriately addressed by the local land management or regulatory agency.

Since 2000, the Office of Subsistence Management has funded 54 projects in the Northern Alaska Region through the Monitoring Program. They are described in the table below.



**NORTHERN ALASKA REGION—PROJECTS FUNDED SINCE 2020**

<b>Project Number</b>	<b>Project Title</b>	<b>Investigators</b>
<b><i>North Slope</i></b>		
00-002	Eastern NS Dolly Varden Spawning and Over-wintering Assessment	ADF&G, USFWS
01-113	Eastern NS Dolly Varden Genetic Stock ID Stock Assessment	ADF&G, USFWS
01-101	Eastern NS (Kaktovik) Subsistence Fish Harvest Assessment	AD&FG, KIC
02-050	NS (Anaktuvuk Pass) Subsistence Fish Harvest Assessment	ADF&G, NSB, AKP
03-012	SST of Arctic Cisco and Dolly Varden in Kaktovik Lagoons	USFWS
04-103	North Slope Dolly Varden Sonar Feasibility	USFWS
06-108	North Slope Dolly Varden Aerial Monitoring	ADF&G
07-105	North Slope Dolly Varden Genetic Baseline Completion	USFWS
07-107	Hulahula River Dolly Varden Sonar Enumeration	USFWS
12-154	North Slope Salmon Fishery HM/TEK	ADF&G
14-103	Beaufort Sea Dolly Varden Dispersal Patterns	UAF
16-101	Arctic Dolly Varden Telemetry	USFWS
16-106 <sup>b</sup>	Aerial Monitoring of Dolly Varden Overwintering Abundance	ADF&G, USFWS
16-107 <sup>a</sup>	Chandler Lake Trout Abundance Estimation	ADF&G
16-152 <sup>b</sup>	Meade River Changes in Subsistence Fisheries	ADF&G
18-100 <sup>b</sup>	Colville River Grayling Habitat and Migration	ADF&G
<b><i>Northwest Arctic</i></b>		
00-001	Northwestern Dolly Varden and Arctic Char Stock Identification	ADF&G, USFWS
00-020	Hotham Inlet Kotzebue Winter Subsistence Sheefish Harvest	ADF&G
01-136	Northwestern Alaska Dolly Varden Genetic Diversity	ADF&G, USFWS
01-137	Northwestern Alaska Dolly Varden Spawning Stock Assessment	ADF&G
02-023	Qaluich Nigingnaqtuat: Fish That We Eat	AJ
02-040	Kotzebue Sound Whitefish Traditional Knowledge	ADF&G, MQ
03-016	Selawik River Harvest ID, Spring and Fall Subsistence Fisheries	USFWS
04-101	Selawik River Inconnu Spawning Abundance	USFWS
04-102	Selawik Refuge Whitefish Migration and Habitat Use	USFWS
04-109	Wulik River Dolly Varden Wintering Stocks	USFWS, ADF&G
04-157	Exploring Approaches to Sustainable Fisheries Harvest Assessment	ADF&G, MQ
07-151	Northwest Alaska Subsistence Fish Harvest Patterns and Trends	ADF&G, MQ
08-103	Kobuk River Sheefish Spawning and Run Timing	ADF&G, USFWS
10-100	Selawik Drainage Sheefish Winter Movement Patterns	UAF, USGS, USFWS, NVK
10-104	Hotham Inlet Kotzebue Winter Subsistence Sheefish Harvest	USFWS
10-152	Climate Change and Subsistence Fisheries in Northwest Alaska	UAF
12-100	Selawik River Sheefish Spawning Abundance and Age Structure	USFWS

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<b>Project Number</b>	<b>Project Title</b>	<b>Investigators</b>
12-103	Kobuk River Sheefish Spawning Frequency, Location, and Run Timing	ADF&G, USFWS
12-104	Noatak River Dolly Varden Evaluation of Overwintering Populations	ADF&G, NPS
12-153	NW AK Key Subsistence Fisheries Harvest Monitoring Program	ADF&G, MQ
14-104	Selawik R Inconnu Spawning Population Abundance	USFWS
16-103	Kobuk River Dolly Varden Genetics	ADF&G, USFWS
16-104	Selawik Sheefish Age Structure and Spawning Population	USFWS
16-105 <sup>a</sup>	Kobuk River Sheefish Abundance	ADF&G
18-101 <sup>a</sup>	Kobuk River Dolly Varden Genetic Diversity	ADF&G, USFWS
20-101 <sup>b</sup>	Life-history Variability and Mixed-stock Analysis of Dolly Varden in the Noatak River	ADF&G, UAF, USFWS
20-150 <sup>b</sup>	Traditional Ecological Knowledge of Dolly Varden and Whitefish Species in Northwest Alaska	ADF&G
<b>Seward Peninsula</b>		
01-224	Nome Sub-district Subsistence Salmon Survey	ADF&G, KI
02-020	Pikmiktalik River Salmon Site Surveys and Enumeration	USFWS, NPS, STB, KI
04-105	Pikmiktalik River Chum and Coho Salmon Enumeration	KI
04-151	Customary Trade of Fish in the Seward Peninsula Area	ADF&G, KI
05-101	Unalakleet River Coho Salmon Distribution and Abundance	ADF&G, NVU
06-101	Pikmiktalik River Chum and Coho Salmon Enumeration	KI
10-102	Unalakleet River Chinook Salmon Abundance Estimate	ADF&G, BLM, NSEDC
10-151	Local Ecological Knowledge of Non-Salmon Fish in the Bering Strait	KI
14-101	Unalakleet River Chinook Salmon Abundance Estimate	NSEDC, NVU
18-103 <sup>b</sup>	Unalakleet River Chinook Salmon Escapement Assessment	ADF&G, BLM, NSEDC, NVU
20-100 <sup>b</sup>	Fish Assemblages and Genetic Stock Determination of Salmon in Bering Land Bridge National Preserve	ADF&G, BLM, NPS, ADF&G

a = Final Report in Preparation.

b = On-going projects during 2020.

Abbreviations used for investigators are: **ADF&G** = Alaska Department of Fish and Game, **AJ** = Anore Jones, **AKP** = City of Anaktuvuk Pass, **BLM** = Bureau of Land Management, **KI** = Kawarek Inc., **KIC** = Kaktovik Inupiat Corp., **MQ** = Maniilaq, **NSEDC** = Norton Sound Economic Development Corporation, **NVU** = Native Village of Unalakleet, **NSB** = North Slope Borough, **STB** = Stebbins IRA, **SWCA** = SWCA Environmental Consultants, **UAF** = University Alaska Fairbanks, **USFWS** = U.S. Fish and Wildlife Service, and **USGS** = U.S. Geological Survey.