



Marine Economy Statistics for CNMI, American Samoa, Guam, USVI, and Puerto Rico

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NOAA Office for Coastal Management
February 8, 2022

Introductions: Project Team

NOAA

- Kate Quigley: Overall Lead
- Ravi Chittilla: Economic Analyst
- Gabe Sataloff: Geospatial Analyst
- Lauren Knapp: Economist

Contracting Team

- Charles Goodhue (ERG): Project Manager
- Charlie Colgan (Center for the Blue Economy): Ocean Economy Expert
- Ernesto Diaz (TetraTech): Stakeholder Engagement Lead
- Taylor Carlough (ERG): Economic Analyst
- Renee Walmsley (TetraTech): Contract Manager

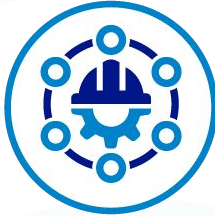
Sectors and Economic Indicators Captured by ENOW



Living resources
(includes commercial
fishing, aquaculture)



**Government, research
and education, and energy**
(coming soon)



**Marine
Construction**



**Oil and natural
Gas extraction**



**Marine
Transportation**



Ship and boat building
(includes repairs)



**Tourism and
recreation**

ESTABLISHMENTS | JOBS | WAGES | GROSS DOMESTIC PRODUCT

- Describe your coast's economic significance
- Help describe your territory's blue economy
- A baseline for planning efforts
- Assessments—impacts of sea level rise on businesses
- Advocacy for the 46+ industries and 6+ sectors
- Describe ocean dependence and industry vulnerability

Plus...

Grant applications, congressional conversations, budget negotiations, and more.

Employment: Total Ocean Economy

TOTAL OCEAN ECONOMY

All ocean economic activities within a geography.

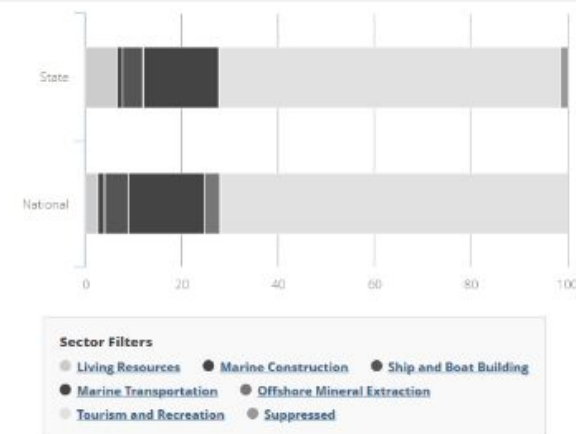
QUICK SUMMARY

 % of Total Economy	2
 Rank	23 of 30
 Employed	39,382
 Self Employed	2,140

EMPLOYMENT BREAKDOWN

Employed	39,382
Self Employed	+ 2,140
Employment Total	41,522

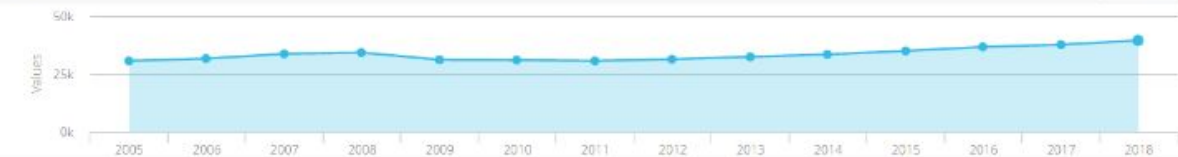
SECTORS



RANK: 23 OF 30



TRENDS



Virtual Workshops

- Puerto Rico: Nov 19, 11 am - 2 pm AST (local time)/10 am - 1 pm EST
- USVI: Dec 1, 2pm - 5pm AST (local time)/1pm - 4pm EST
- CNMI: Tuesday Dec 14, 9 am - 12 pm ChST (local time)/Monday Dec 13, 6 pm- 9 pm EST
- Guam: Tuesday Dec 2, 9am - 12pm ChST (local time)/ Wednesday Dec 1, 6pm - 9pm EST
- American Samoa: Nov 17, 9 am - 12 pm SST (local time) 3 pm - 6 pm EST)

Workshop Outcomes - USVI and Puerto Rico

- Received feedback on how to define the ocean economy in each Commonwealth/Territory.
 - Recommended additional industries to include in the island context (e.g., freight transportation, airlines, travel accommodations among some in USVI; food markets in PR)
- Received feedback on preliminary data
 - Underestimates in fishing (both USVI/PR) – need to perhaps measure this contribution by landings
 - Imports are essential part of ocean economy and employment from shipping does not sufficiently tell story (both USVI/PR)
 - Explore how to capture AirBNB data
- Received leads for additional data sets.
 - USVI Department of Licensing & Consumer Affairs data on registrations of business
- Received suggestions for contacts to reach out to in key sectors.

Workshop Outcomes - CNMI, Guam, American Samoa

- Received feedback on how to define the ocean economy in each Commonwealth/Territory.
 - Recommended additional industries to include in the island context (e.g., freight transportation, Tour Operators [for all], motion picture/video [AS], Scenic and Sightseeing Land Transportation [CNMI])
- Received feedback on preliminary data
 - Underestimates in fishing [for all] – need to perhaps measure this contribution by catch
 - Imports are essential part of ocean economy and employment from shipping does not sufficiently tell story [for all]
 - Self employment gap is leading to underestimates across ocean-economy sectors [for all]

Workshop Outcomes - Pacific Territories (continued)

- Received leads for additional data sets.
 - Guam Department of Revenue and Taxations (business license data)
 - AS Department of Commerce-Statistics Division
 - CNMI Dept of Commerce
- Received suggestions for contacts to reach out to in key sectors.
 - Developing an outreach plan for next few months

Path Ahead for Bimonthly Calls and Stakeholder Outreach

Bimonthly meetings

Our plan for the next two meetings is to perform research and hold 1 on 1s prior to meeting and use these meetings as a sounding board for what we found. We may also have some smaller group meetings for other sectors.

- Early March: Fisheries/Aquaculture + research/education
- Late April/Early May: Ports (import data) + electric sector
- July: Planning for Annual data workshop (feedback on data)

One-on-one (and smaller group) meetings

- Continuing January through April, 2022 (and beyond)

Annual workshop

- In-person (fingers crossed) in Fall 2022
- Focus on feedback on data collected

Contact Information

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