



National Ocean Service

TRB Marine Board Update

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Overview

- ★ Administration Priorities
- ★ NOAA Priorities
- ★ Budget Overview
- ★ Looking Ahead
- ★ Program Updates



Administration Priorities

- Infrastructure Investment and Jobs Act (IIJA)
- Addressing the Climate Crisis
 - Future of Build Back Better
 - New White House Interagency Working Groups
 - IWG on Coastal Resilience
 - IWG on Flood Standard
- Equity, Racial Justice and Underserved Communities



White House Interagency Working Groups

- [IWG on Coastal Resilience](#)

This IWG is *seeking to elevate, coordinate, and accelerate* the federal government's efforts to *increase the resilience* of the Nation's coasts and coastal communities.

This IWG *is also focused* on developing equitable grant-making strategies *that are more accessible* to historically underserved applicants.

- [IWG on Flood Standard](#)

This IWG is focused on work that *needs to be done in re-establishing* and implementing *the Federal Flood Risk Management Standard* across federal agencies.

All of this work is possible due to *foundational data* from our Nav Services programs — *from vertical land motion* to bathymetry.

All this to say that *we need this information* across many applications and within many agencies.

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NOAA's Priorities

- Tackling the climate crisis
- Increasing equity and environmental justice
- New Blue Economy: Economic development, sustainability, and partnerships



Sea Level Rise Report

On average, the U.S. will see as much **sea level rise by 2050** as seen in the last century



Sea level rise leads to **increased coastal flooding** even in the absence of rain or storms



NOAA



At least **two feet** of sea level rise is likely **by 2100** and **reducing emissions now** can lower future risk



Earth monitoring systems are vital for tracking future sea level rise

NOAA

Budget Overview

*The historic Infrastructure Bill includes **\$2.963 billion** in spending over 5 years. Some highlights for NOS include:*

- \$490 million - **Coastal and inland flood and inundation mapping and forecasting**
- \$100 and \$50 million – **Coastal, Ocean, and Great Lakes observing systems**
- \$492 million - National Ocean and Coastal Security Fund grants
- \$150 million - Marine debris assessment, prevention, mitigation, and removal
- \$207 million - Coastal Zone Management Act habitat restoration projects
- \$77 million - National Estuarine Research Reserve System restoration projects
- \$56 million - Regional Ocean Partnerships



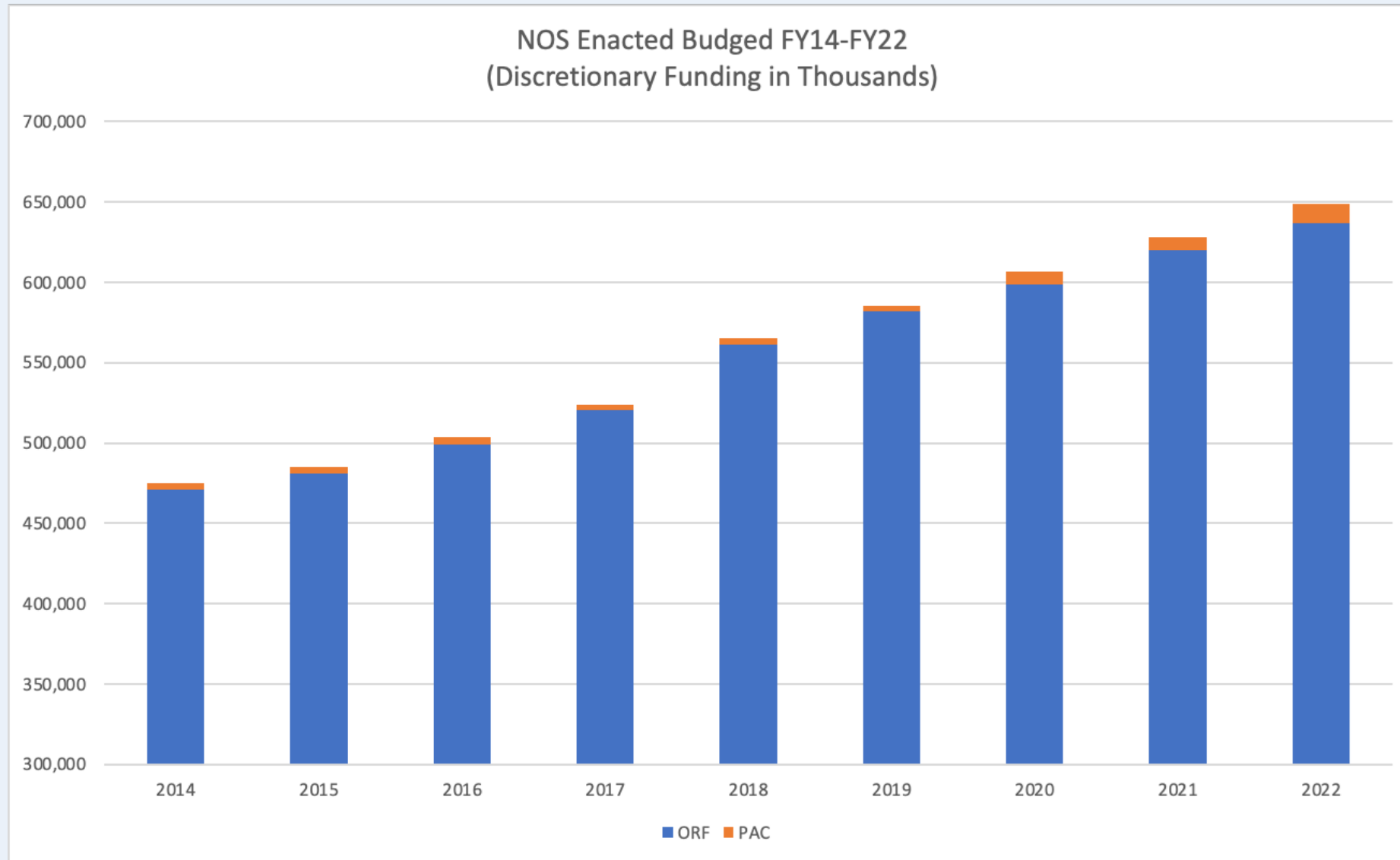
Budget Overview

Significant Funding for other Agencies

- \$2.25B Maritime Administration office of Ports and Waterways Port Infrastructure Development Program
- \$6 billion for USACE construction, which includes: \$500 – USACE Ecosystem Restoration



NOS Enacted Budgets



Looking Ahead

- Approval of IIJA and Execution
- FY23 President's Budget
- We will continue to track and support several bills and in particular advocate for H.R. 3228 and S. 381



NOMEC Council



Ocean Policy
Committee

Ocean Science
Technology
Subcommittee

Ocean Resource
Management
Subcommittee

National Ocean Mapping,
Exploration, and
Characterization Council

NOMEC Security Group

IWG-OCM Interagency
Working Group on Ocean and
Coastal Mapping

IWG-OEC Interagency
Working Group on Ocean
Exploration and
Characterization



Mapping the Gaps

NOMECC Goal 2 performance indicator: Acquire a **minimum of 150,000** square nautical miles (snm) of new bathymetric data coverage annually

Actuals

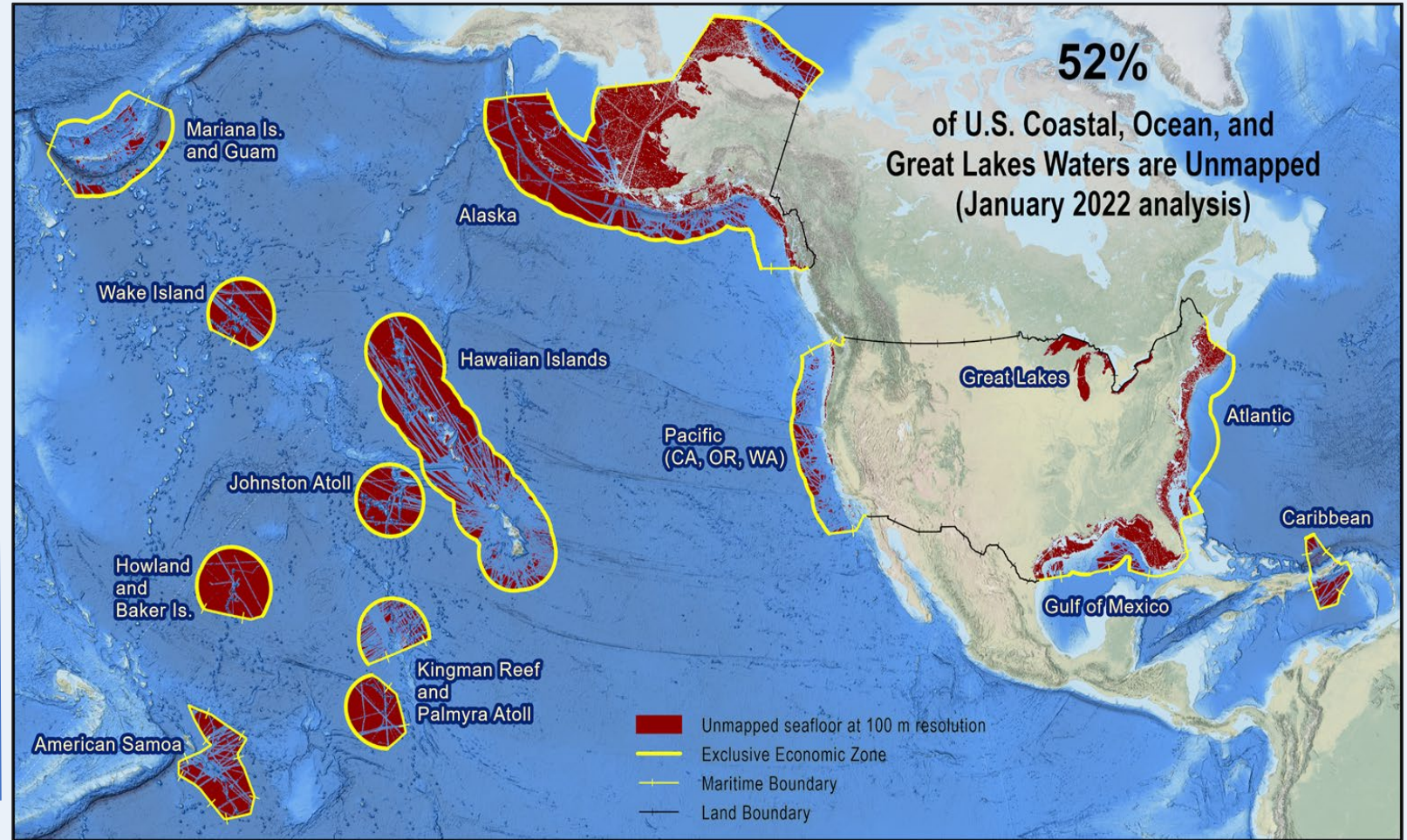
2018: + 48,400 snm

2019: + 96,600 snm

2020: + 36,100 snm

2021: + 58,100 snm

JUST RELEASED!



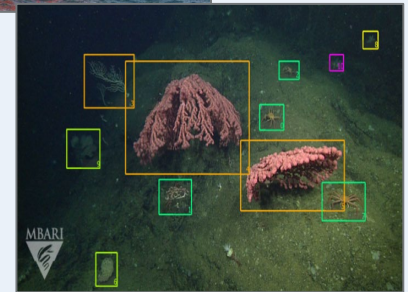
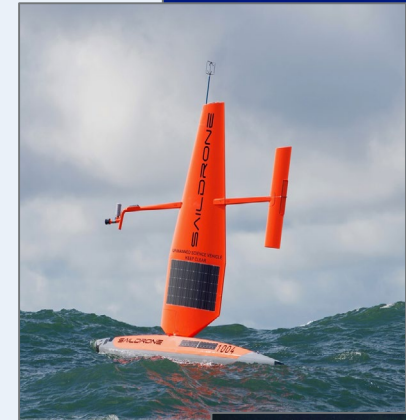
3rd Annual Progress Report on Unmapped U.S. Waters: <https://iocm.noaa.gov/seabed-2030-status.html>



NOMECC

- Public engagement and partnership building
- 2021 Pilot Project: Blake Plateau
- SOMP report under review with NOMECC Council
- Report of Strategic Priorities for Ocean Exploration and Characterization
- STPI Report on S&T Challenges and Priorities

noaa.gov/nomecc



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Precision Marine Navigation

- Developing additional products for dissemination through PMN
- Focus this year is to develop prototype S-102 High Resolution Bathymetry and S-104 water level information
 - <https://marinenavigation.noaa.gov/>

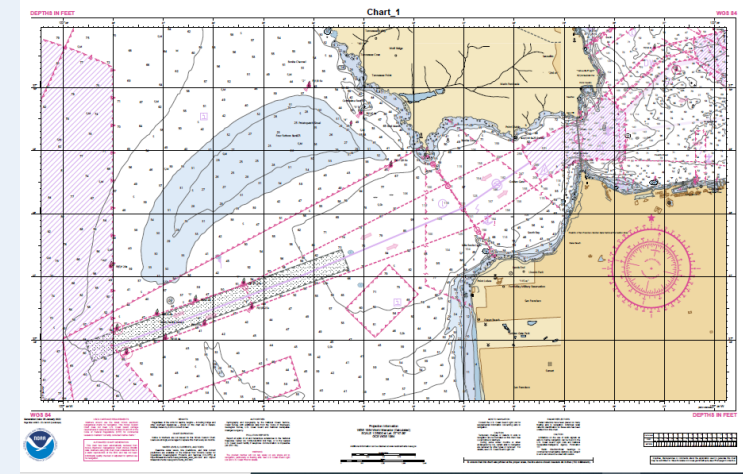
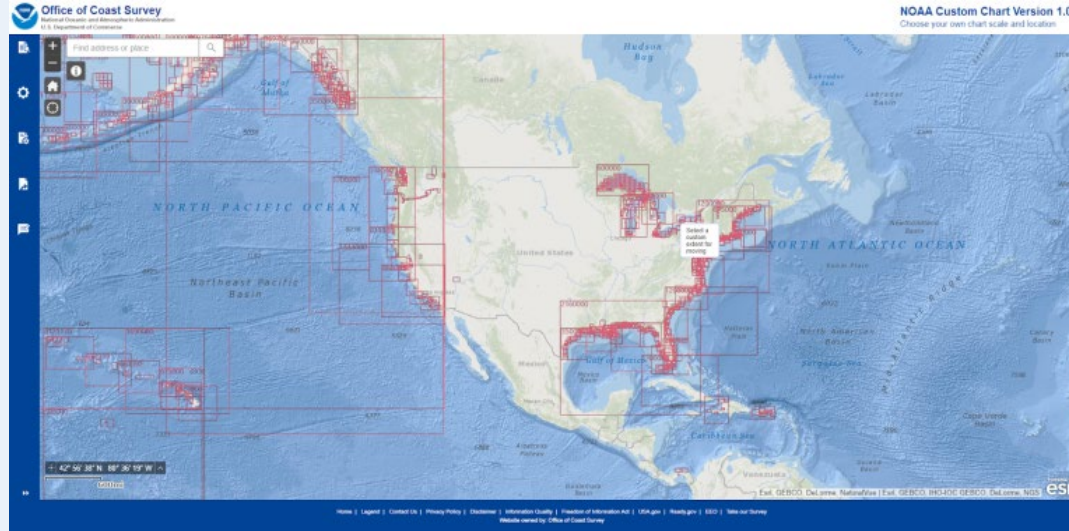


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Charting Transformation and ENCs

- Issue paper - paper chart transformation
- Custom Chart tool
- Reschemeing ENCs



ENC Display Services

The NOAA Chart Display Service uses the "traditional paper chart" symbology familiar to those who have used paper nautical charts or the [NOAA Custom Chart](#) application.



The NOAA Chart Display Service is available in three forms:

- [Esri REST service](#)
- [OGC Web Map Service \(WMS\) 1.3 compatible service](#)
- [OGC Web Map Tile Service \(WMTS\)](#)

