



# National Ocean Service

*TRB Marine Board Update*

**Ms. Heather Gilbert,  
Office of Coast Survey, NOS, NOAA  
November 18, 2021**



# Overview

- ★ Leadership Updates
- ★ Administration Priorities
- ★ NOAA Priorities
- ★ Budget & Appropriations
- ★ Program Updates



# Leadership Updates



**Dr. Rick Spinrad**

Under Secretary of  
Commerce for Oceans and  
Atmosphere & 11th NOAA  
Administrator



**Jainey Bavishi**

**(NOMINATED)**

Assistant Secretary for  
Oceans and Atmosphere in  
the Department of  
Commerce



**CAPT Ben Evans**

Director, Office of Coast  
Survey, NOAA's National  
Ocean Service



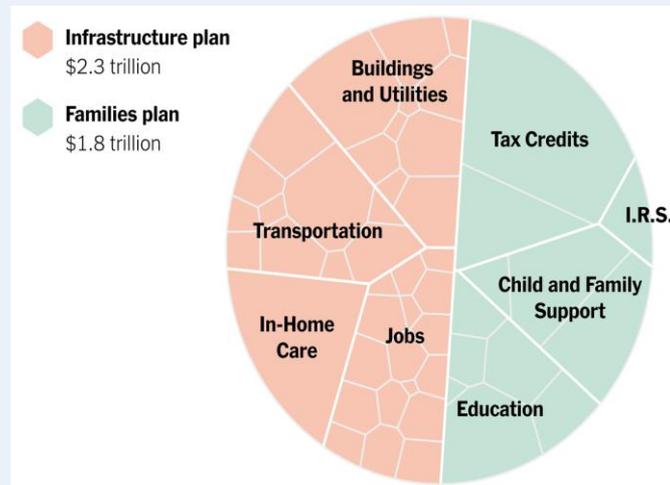
**Nicole LeBoeuf**

Assistant Administrator,  
NOAA's National Ocean  
Service



# Administration Priorities

- Covid & Economic Recovery
  - American Jobs Plan - March 2021
- Addressing the Climate Crisis
  - Executive Order on Tackling the Climate Crisis at Home and Abroad (January 2021)
  - New White House Interagency Working Groups
    - [IWG on Coastal Resilience](#)
    - [IWG on Flood Standard](#)
- Equity, Racial Justice and Underserved Communities



# NOAA Priorities

*Science, Service and Stewardship*



## Climate

Establish that NOAA is the primary authoritative source for climate products and services that can be applied to a diverse range of missions, just as we are for weather.



## Balance

Advance NOAA's complementary work on environmental stewardship and economic development with a particular focus on the New Blue Economy.



## Equity

Exhibit equity in how we build and provide services. Within NOAA, we will promote diversity, equity, inclusion and accessibility in the workforce. Externally, we will provide equitable access to our products and services.



[noaa.gov/our-mission-and-vision](https://noaa.gov/our-mission-and-vision)

# Budget Overview

Congress-passed Infrastructure Bill: About [\\$3B for NOAA](#), including

- \$492M (ORF) for coastal and inland flood and inundation mapping and forecasting (including next gen water modeling)
- \$100M (ORF) coastal, ocean, Great Lakes obs
- \$50M (PAC) coastal, ocean, Great Lakes obs
- About \$2B in various, mostly grant programs relating to coastal resilience, fisheries and other habitat restoration, marine debris

## Reconciliation

- The House, Senate and White House continue to negotiate the terms for the reconciliation bill, commonly referred to as Build Back Better. The language and funding levels are subject to change, including for NOAA.

## FY22 Annual Appropriations

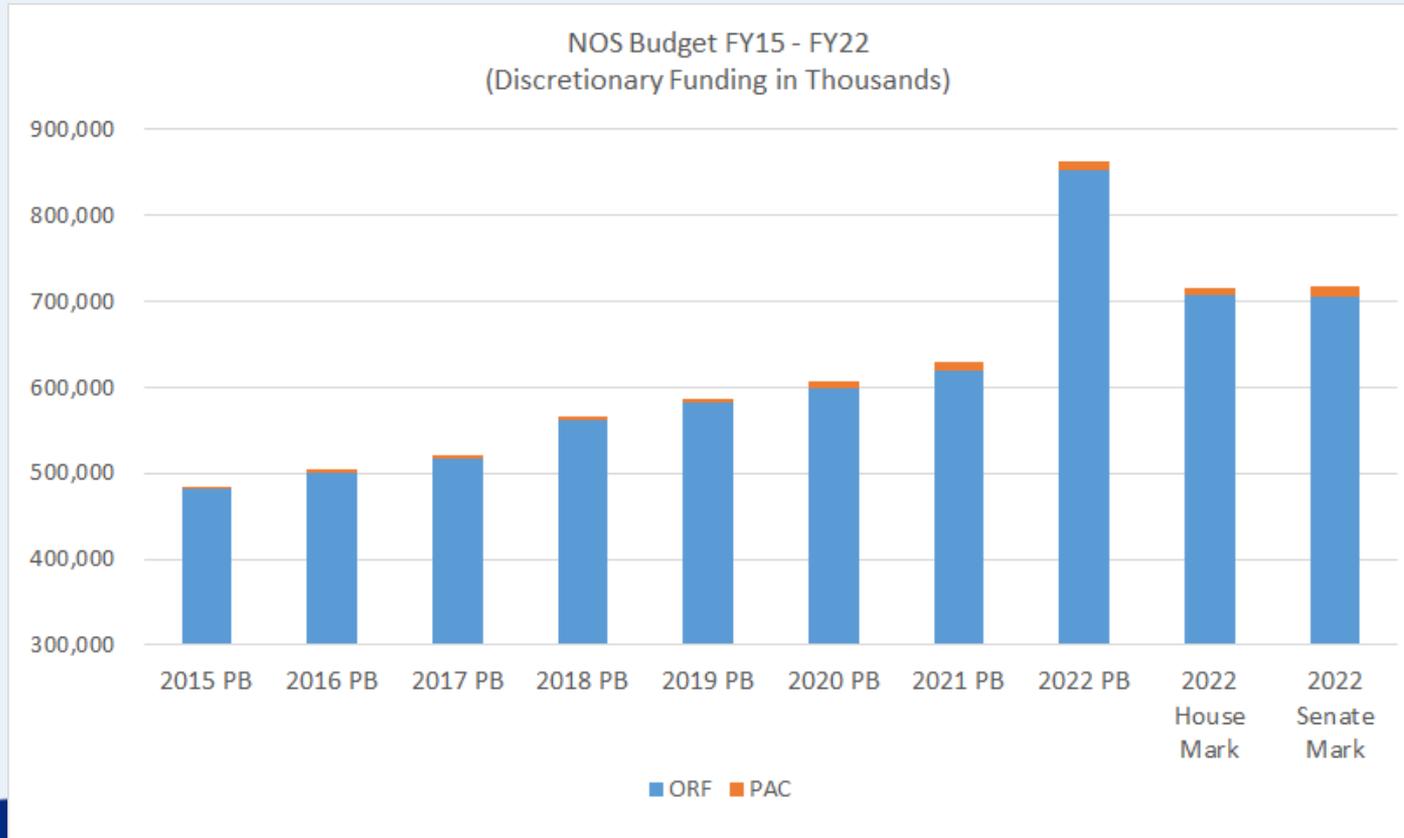
- President's Request
- House has marked up our budget\*
- Senate has not taken action\*

*\* earmarks are back*



# NOS Budget Trends: FY13-FY20

(Discretionary Funding in Thousands)



| (\$ in Thousands)  | 2021<br>Enacted | 2022<br>Pres Bud | 2022<br>House Mark | 2022 Senate<br>Mark |
|--|-----------------|------------------|--------------------|---------------------|
| <b>Navigation, Observations and Positioning</b>                            |                 |                  |                    |                     |
| Navigation, Observations and Positioning                                   | 162,500         | 186,596          | 183,000            | 176,000             |
| Hydrographic Survey Priorities / Contracts                                 | 32,000          | 32,000           | 32,000             | 34,000              |
| IOOS Regional Observations   | 40,500          | 69,500           | 50,000             | 47,000              |
| <b>Total, Navigation, Observations and Positioning</b>                     | <b>235,000</b>  | <b>288,096</b>   | <b>265,000</b>     | <b>257,000</b>      |
| <b>Coastal Science and Assessment</b>                                      |                 |                  |                    |                     |
| Coastal Science, Assessment, Response and Restoration                      | 86,500          | 112,327          | 101,000            | 97,250              |
| Competitive Research   | 21,000          | 42,000           | 28,000             | 29,000              |
| <b>Total, Coastal Science and Assessment</b>                               | <b>107,500</b>  | <b>154,327</b>   | <b>129,000</b>     | <b>126,250</b>      |
| <b>Ocean and Coastal Management and Services</b>                           |                 |                  |                    |                     |
| Coastal Zone Management and Services                                       | 46,700          | 64,789           | 62,000             | 58,000              |
| Coastal Zone Management Grants   | 78,500          | 108,500          | 82,500             | 88,500              |
| National Oceans and Coastal Security Fund                                  | 34,000          | 68,000           | 38,000             | 36,000              |
| Coral Reef Program   | 33,000          | 43,193           | 38,000             | 40,000              |
| National Estuarine Research Reserve System - NERRS                         | 28,500          | 42,500           | 30,500             | 34,000              |
| Sanctuaries and Marine Protected Areas                                     | 56,500          | 84,503           | 61,500             | 66,000              |
| <b>Total, Ocean and Coastal Management and Services</b>                    | <b>277,200</b>  | <b>411,485</b>   | <b>312,500</b>     | <b>322,500</b>      |
| <b>National Ocean Service - Operations, Research and Facilities</b>        | <b>619,700</b>  | <b>853,908</b>   | <b>706,500</b>     | <b>705,750</b>      |
| <b>Construction</b>  |                 |                  |                    |                     |
| National Estuarine Research Reserve Construction                           | 4,500           | 4,500            | 4,000              | 6,500               |
| Marine Sanctuaries Construction  | 4,000           | 4,000            | 4,000              | 5,500               |
| <b>Total, Construction</b>   | <b>8,500</b>    | <b>8,500</b>     | <b>8,000</b>       | <b>12,000</b>       |
| <b>National Ocean Service - Procurement, Acquisition, and Construction</b> | <b>8,500</b>    | <b>8,500</b>     | <b>8,000</b>       | <b>12,000</b>       |
| <b>Grand Total - National Ocean Service Discretionary – ORF and PAC</b>    | <b>628,200</b>  | <b>862,408</b>   | <b>714,500</b>     | <b>717,750</b>      |



# Program Updates



# NOAA Precision Marine Navigation Program

## [MarineNavigation.NOAA.GOV](http://MarineNavigation.NOAA.GOV)

- A recently launched website will improve the use and accessibility of NOAA's marine navigation products and services.
- Includes links and short descriptions to NOAA's various navigation resources, a [one-stop shop](#) for mariners get the data they need.

## [Third Annual Stakeholder Workshop](#)

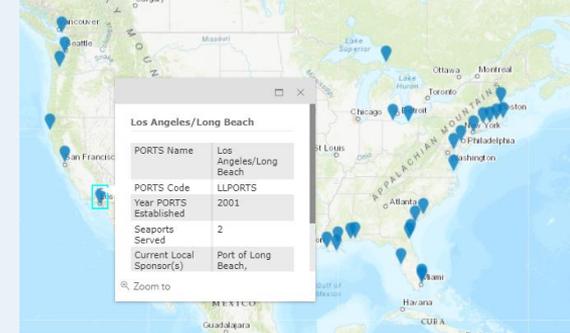
- Participants from industry, academia, international hydrographic organizations, and interagency partners.



# Physical Oceanographic Real-Time System (PORTS®)

Celebrated 30 years!

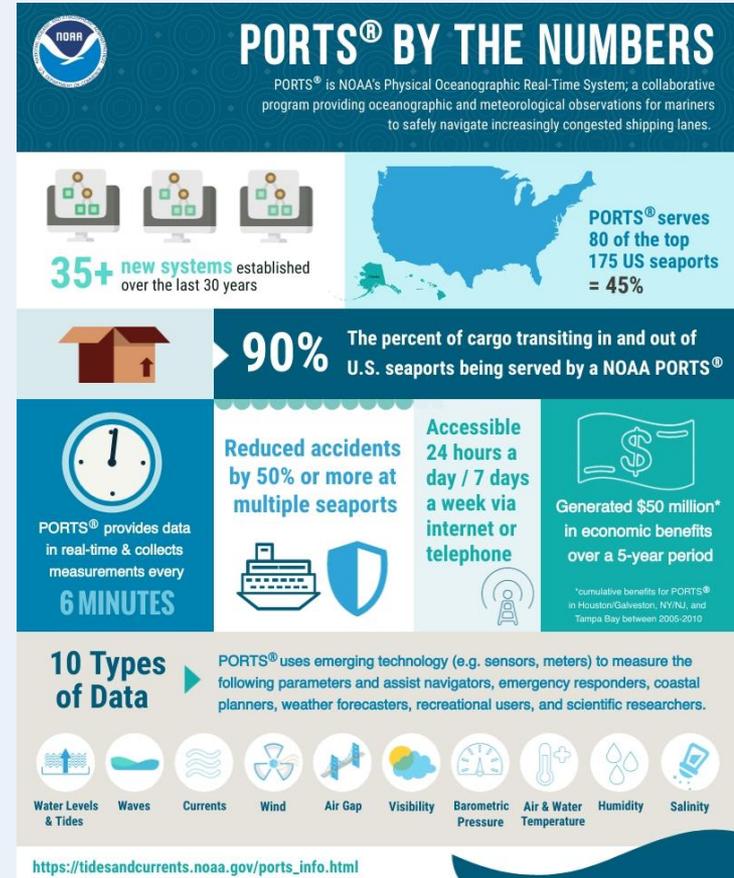
- [Anniversary Video](#)
- [New PORTS® Landing Page](#)
- Congressional Briefings, web stories, & new infographics!



# Physical Oceanographic Real-Time System (PORTS®)

## Upcoming in FY22 and FY23

- Kitsap Peninsula, WA (FY22)
  - Partnership with U.S. Navy
  - 1 tide station and 2 current meters
- Freeport, TX (FY22)
  - Emerging partnership with Port Freeport
  - Integrate 1 NWLON, add 2 current meters
- Pearl Harbor - Honolulu, HI (FY23)
  - Emerging partnership with U.S. Navy
  - Integrate 1 NWLON, 1 wave buoy, add 1 tide station and 2 current meters



# Uncrewed Aircraft Systems (UAS)

A collaboration between NOAA OR&R's Emergency Response Division, the Office of Atmospheric Research, and the Office of Marine and Aviation Operations has resulted in two new job aids for oil spill and hurricane response.

[Hurricane Response Job Aid](#) - developed to supplement hurricane response activities (post-storm derelict vessel and HAZMAT identification and removal), providing a guide for the use of consumer-grade small UAS with photo and video capability.

[Oil Spill Response Job Aid](#) - provides a guide for the effective use of consumer-grade small UAS with photo and video capability during oil spill response, and was developed to supplement the [Shoreline Assessment Manual](#). Although this guidance is written for oil spills, it may also be useful for hazmat discharges or marine debris events.



## Uncrewed Aircraft Systems Oil Spill Response Job Aid

National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Response and Restoration  
Emergency Response Division



## Uncrewed Aircraft Systems Hurricane Response Job Aid



National Oceanic and Atmospheric Administration  
National Ocean Service  
Office of Response and Restoration  
Emergency Response Division



# Thank you!

