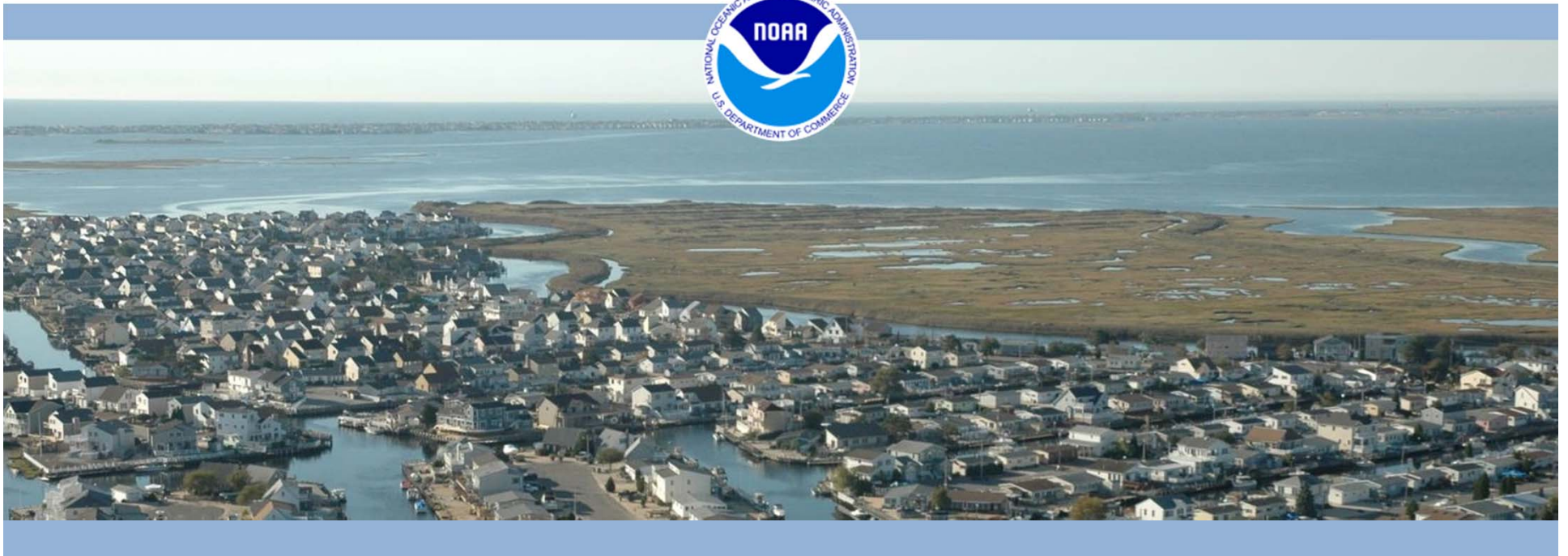


— An Introduction to the —

NATIONAL OCEAN SERVICE



NOAA Industry Day
April 6, 2017

Nicole R. LeBoeuf
Deputy Assistant Administrator

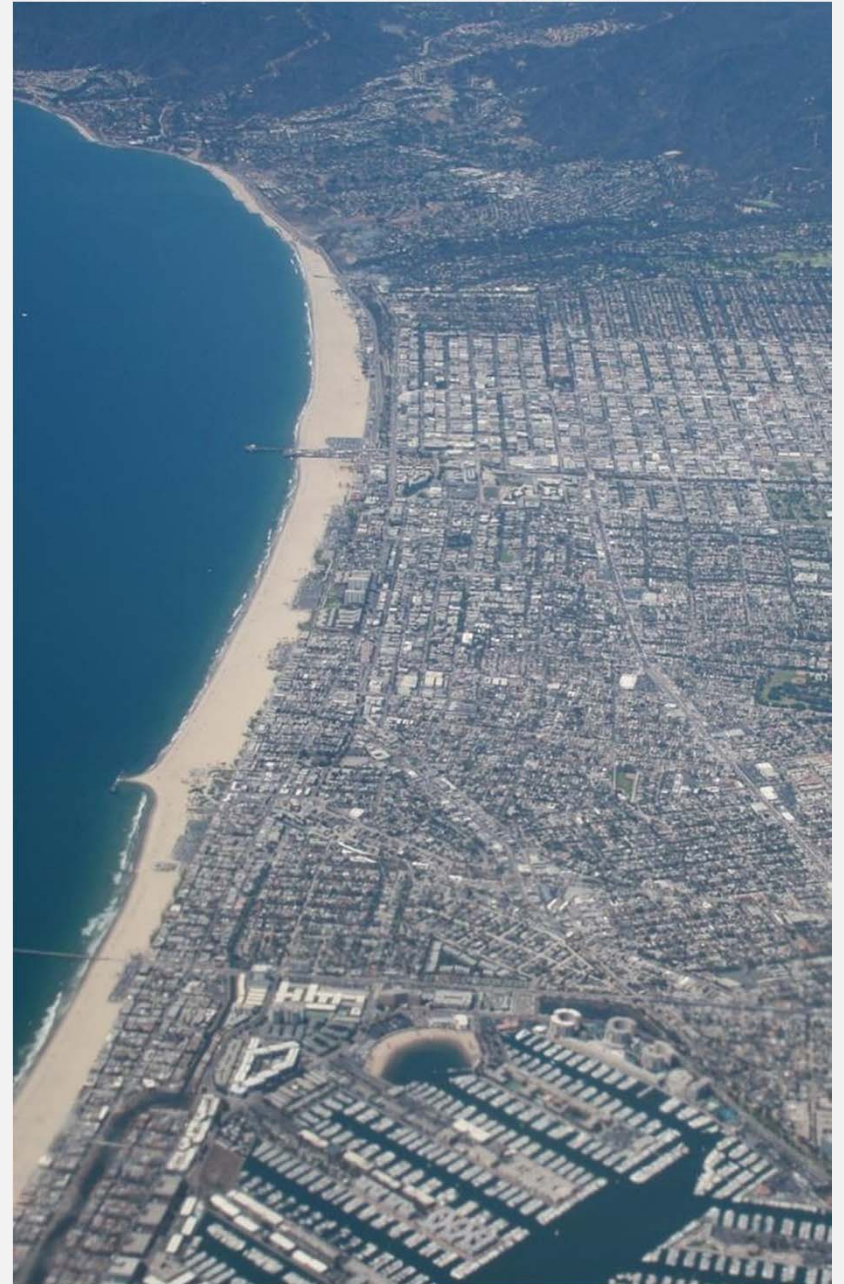
Our Nation's Coast

Major Economic Engine:

- **40% percent** of the population lives in coastal shoreline counties.
- In 2013, these counties contributed **46% of the nation's Gross Domestic Product (GDP)**.
- Tourism and recreation added **\$101.1 billion** to the nation's GDP (2013).
- U.S. commercial ports directly support more than **13 million jobs**.

Challenges:

- Coastal storms, flooding, and erosion
- Port congestion and navigation hazards
- Habitat loss and degradation



Outline

- Our Organization
- NOS Missions
- Three Priorities
- Contracts/Support



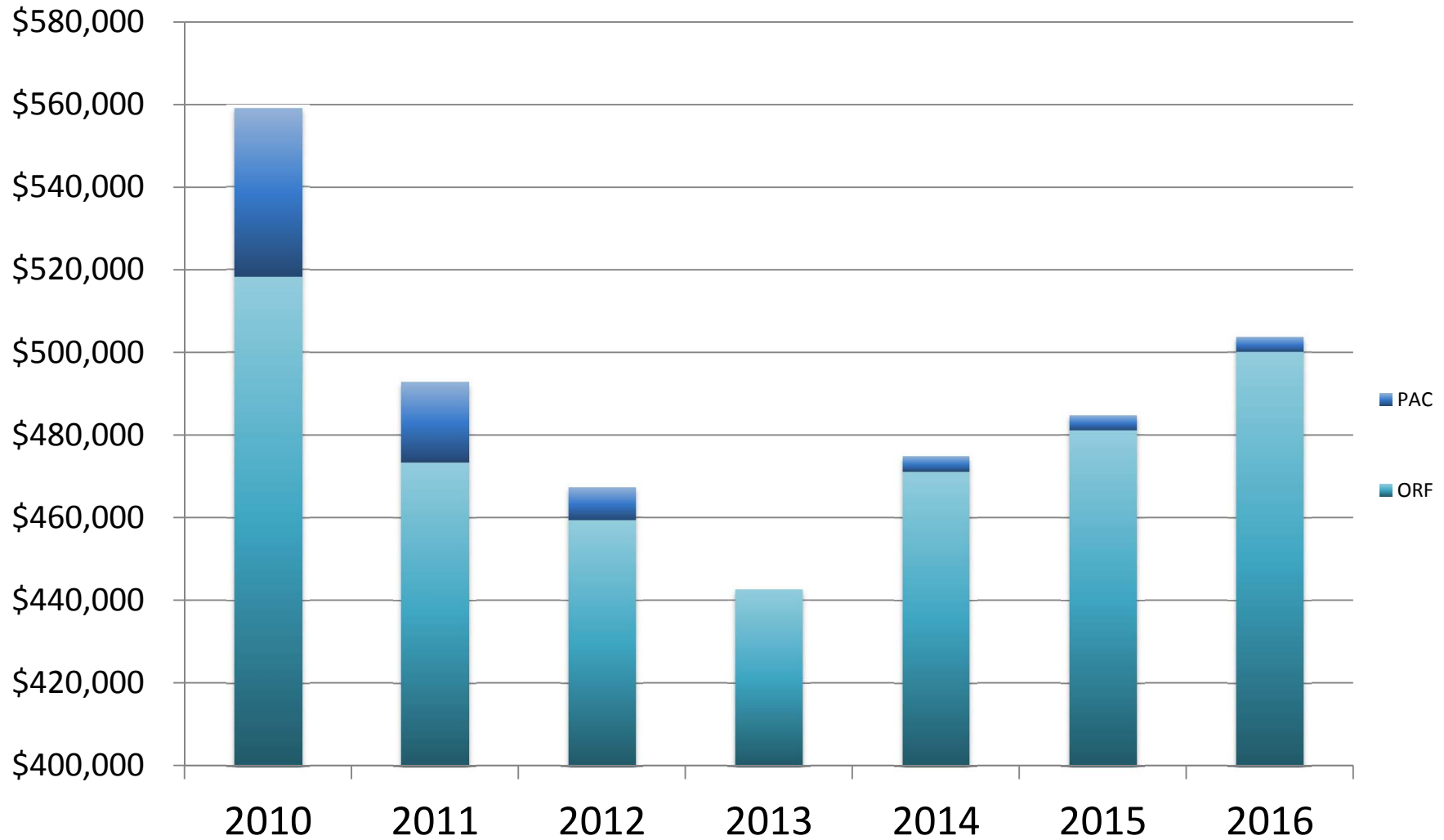
NATIONAL OCEAN SERVICE

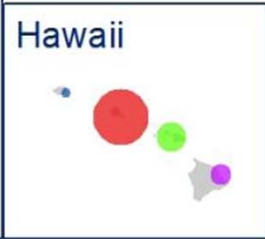
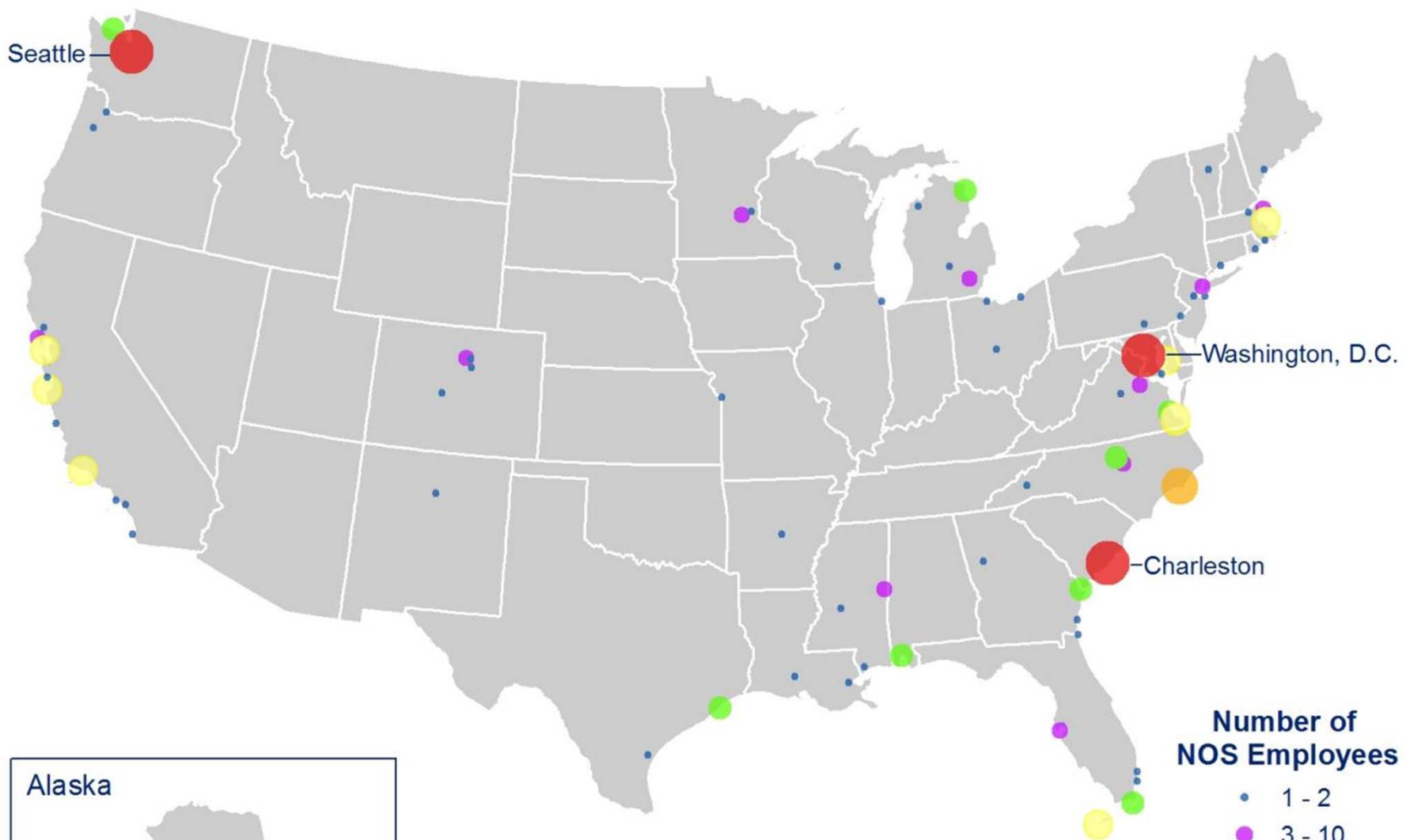
Dr. Russell Callender Assistant Administrator
Nicole LeBoeuf, Deputy Assistant Administrator



NOS Budget Trends: FY10-FY16

(\$ in thousands)





Not pictured

- Puerto Rico
- Guam
- Northern Mariana Islands



NOS's Unique Missions within NOAA

1. Navigation, Observations and Positioning
2. Coastal Science and Assessment
3. Ocean and Coastal Management and Services



NOS MISSION:

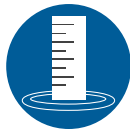
Navigation, Observations, and Positioning



NOS conducts **hydrographic surveys** and **shoreline mapping** to produce **navigational charts** that mariners use to navigate safely



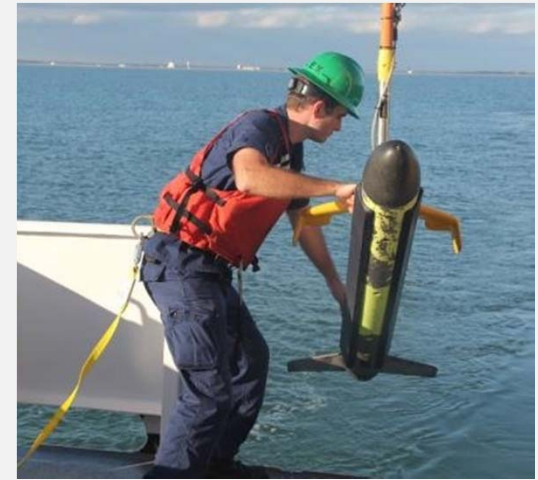
National authority that defines, maintains, and provides access to the **National Spatial Reference System**



NOS maintains the National **Water Level Observation Network (NWLON)**

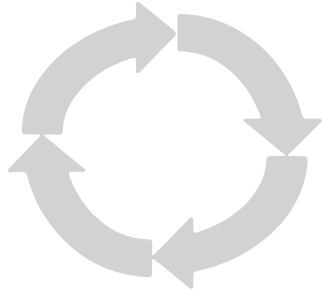


NOS operates the nation's **high frequency radar** and **profiling glider fleet**



NOS MISSION:

Coastal Science and Assessment



Planning, prevention, response, and modeling tools for **coastal environmental hazards** including oil and chemical spills, marine debris, marine pathogens, harmful algal blooms



Natural resource damage assessments as co-trustee protects and restores habitat injured by hazardous waste, oil spills and vessel groundings



Applied science to support pollution reduction, ecological forecasting, and coastal ecosystem planning, Mussel Watch monitoring, habitat mapping and assessment



NOS MISSION:
Ocean and Coastal Management & Services

7

States and territories addressing coral reefs

13

Sanctuaries plus Papahānaumokuākea and Rose Atoll marine national monuments

29

National Estuarine Research Reserves

34

State coastal zone management programs

355

members of the national system of Marine Protected Areas

Many More

Partners on place-based coastal issues - Local, county, NGO, private sector



National Ocean Service Priorities

The National Ocean Service provides data, tools, and services that support **coastal economies** and their contribution to the **national economy**

Our priorities are:

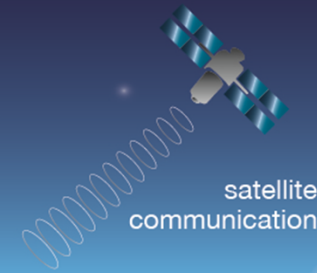
- Safe and efficient transportation and commerce
- Preparedness and risk reduction
- Stewardship, recreation, and tourism



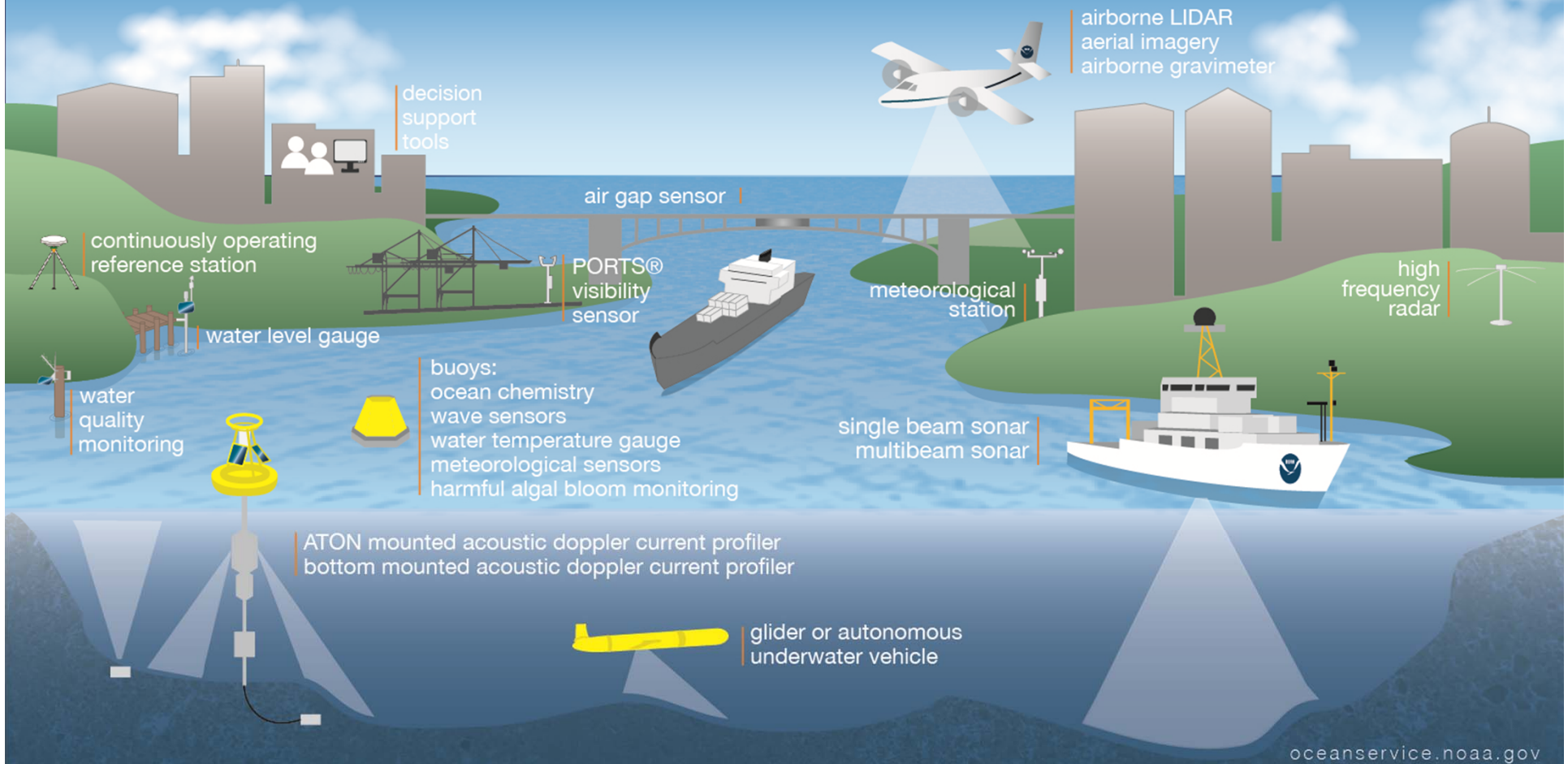


TRANSPORTATION AND COMMERCE

Safe and **efficient** transportation and commerce: helping decision makers along the coast make the best choices for their communities.



satellite communication





PREPAREDNESS AND RISK REDUCTION

PLAN & BUILD

Develop and implement plan to prepare for disaster.



improving forecasts, observation models, computer systems



getting information to decision makers faster



incorporating green infrastructure



DISASTER STRIKES

Disasters can be imminent or strike unexpectedly.



sea level rise



tsunamis



coastal storms and hurricanes



RESPOND

Immediately take action following a disaster.



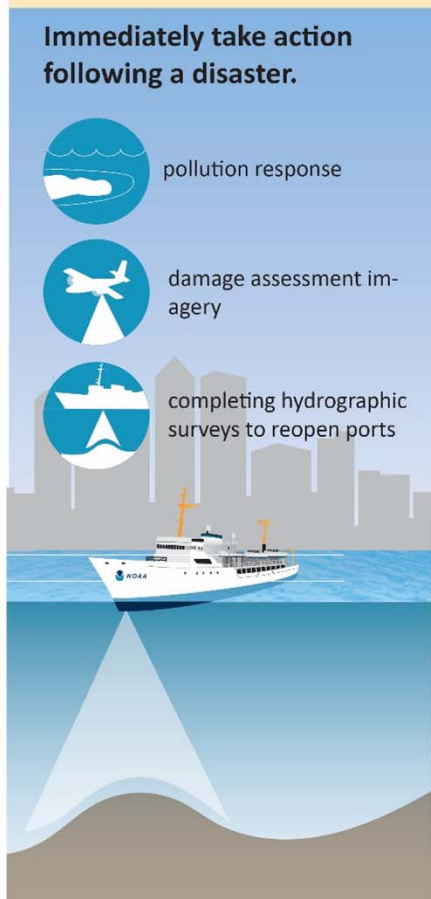
pollution response



damage assessment imagery



completing hydrographic surveys to reopen ports



RECOVER

Assess resilience and manage adaptively.



assessing damage to communities, economy, and environment



issuing grants to rebuild and restore habitat



providing data and tools for analysis



Assess and begin planning for the next disaster.





STEWARDSHIP, RECREATION, AND TOURISM

COMMUNITIES

Responsible development protects lives and property by adapting to a changing climate.

PROTECTED AREAS

Protecting special places and keeping coastal areas open to the public supports tourism, recreation, and our economy.

HISTORIC SITES

Preservation connects us to our heritage and culture.

WATER QUALITY

Safeguarding coastal water quality protects human and environmental health, and keeps seafood safe.

CORAL REEFS

Research and conservation helps sustain this source of food, medicine, and protection from coastal storms.

ESTUARIES & WETLANDS

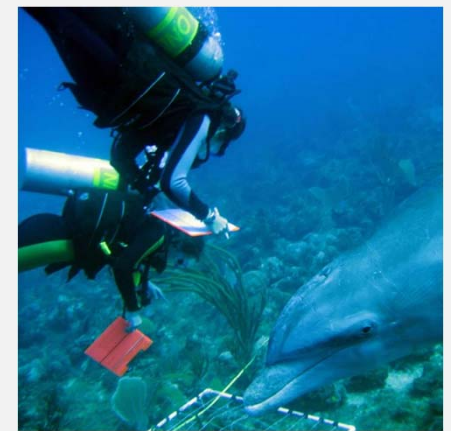
Long-term stewardship helps to protect critical species, fight pollution, and restore habitat.

oceanservice.noaa.gov



Contract Support

- Professional and Technical Analysis
- Scientific and Technical Analysis
- Architecture and Engineering (A/E Brooks Act)
- Communication/Outreach
- Conference Planning
- Administrative Services
- IT Support Services
- GIS
- Project Management
- Configuration Management Control



Thank you!

The screenshot shows the NOAA National Ocean Service website. At the top left is the NOAA logo and the text "National Ocean Service National Oceanic and Atmospheric Administration U.S. Department of Commerce". To the right is a search bar. Below this is a blue navigation bar with links: HOME, OCEAN FACTS, WHAT WE DO, EDUCATION, NEWS, PODCASTS, VIDEO, IMAGES, ABOUT US. The main content area features a large image of two crabs in a seagrass meadow. Below the image is a blue banner with the text: "Sowing Seagrass: Imagine dispersing 71 million seeds in the ocean—by hand! The amazing effort to restore a healthy eelgrass meadow along Virginia's Eastern Shore." At the bottom of the page is a row of six service icons: Tides & Currents, Nautical Charts, Mobile Sites/Apps, NOS Infographics, NOAA Repository, and Eco Forecasts.

