



NOAA's National Ocean Service

where science takes action

IN THE U.S., where over half of us live along the coast and more than 78 percent of our overseas trade by volume comes and goes along our marine highways, the health of our coasts is intricately connected to the health of our nation's economy. The National Ocean Service (NOS) translates science, tools, and services into action, to address threats to coastal areas such as climate change, population growth, port congestion, and contaminants in the environment, all working towards healthy coasts and healthy economies.

To support healthy, resilient **coastal communities**, NOS...

- Helps build capacity and adaptation strategies for dealing with climate change and natural hazards such as hurricanes and tsunamis
- Applies coastal and marine spatial planning, to balance ocean use with stewardship and conservation
- Works with partners to develop and implement voluntary plans and regulatory programs to overcome coastal challenges
- Provides early-warning systems, forecasts, and monitoring for threats to human health, such as harmful algal blooms, hypoxia, toxins, disease, and climate-related hazards
- Prepares for, helps prevent, responds to, assesses, and cleans up oil and chemical spills

To promote sustainable, robust **coastal economies**, NOS...

- Produces and delivers nautical charts, hydrographic surveys, and other navigational products and services
- Collects real-time and long-term ocean and coastal observations and coordinates ocean and coastal observing systems
- Provides surveying, positioning, and geodetic data and services for the construction, transportation, mapping, and other industries
- Develops products to increase the resiliency of coastal communities and reduce damages and recovery costs in the face of a changing climate and hazardous events such as coastal storms
- Conducts activities to better understand, manage, and protect ecosystems such as coral reefs, estuaries, and beaches, which generate billions of dollars in tourism, recreation, and food revenues each year

To protect the productivity and diversity of **coastal and marine places**, NOS...

- Manages, and supports the management of, areas including national marine sanctuaries, estuarine research reserves, marine protected areas, and the coastal zone
- Develops and implements strategies to protect, maintain, and restore the health and resiliency of ecosystems, including in the Arctic region and in response to climate change
- Identifies, reduces, and prevents of marine debris
- Works to preserve our nation's maritime heritage
- Develops ecological characterizations to meet place-based management needs and ensure that decisions are targeted and effective
- Preserves our Nation's maritime heritage

healthy coasts, healthy economies

THE ASSISTANT ADMINISTRATOR'S OFFICE (AA)

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CO-OPS collects and distributes oceanographic observations and predictions to ensure safe, efficient, and environmentally sound maritime commerce. The center provides water level and coastal current oceanographic products, measures and predicts tides throughout the nation, and is responsible for disseminating this information to the public.

tidesandcurrents.noaa.gov

NATIONAL CENTERS for COASTAL OCEAN SCIENCE (NCCOS)

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NCCOS conducts and supports research, monitoring, assessment, and technical assistance for managing coastal ecosystems and society's use of them. These activities fit within a framework of five environmental stressors: climate change, extreme natural events, pollution, invasive species, and land and resource use.

coastalscience.noaa.gov

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ONMS protects and manages 13 sanctuaries and one marine national monument encompassing more than 150,000 square miles of U.S. ocean. Important habitats like breeding and feeding grounds, coral reefs, kelp forests, and historical shipwrecks are represented within the system of sanctuaries.

sanctuaries.noaa.gov

NOAA COASTAL SERVICES CENTER (CSC)

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CSC provides state and local organizations with the skills, tools, and data needed to manage the nation's coastal resources and communities.

csc.noaa.gov

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NGS develops and maintains a national system of positioning data needed for transportation, navigation, and communication systems, land record systems, mapping and charting efforts, and defense operations.

geodesy.noaa.gov

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NOAA IOOS® supports development of a coordinated network of people and technology that work together to generate and disseminate continuous data on our coastal waters, Great Lakes, and oceans.

ioos.noaa.gov

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OCS is the nation's nautical chart maker. OCS collects, manages, and compiles the data and information necessary to maintain the national suite of 1,000 nautical charts, hydrographic surveys that measure water depth, and historic maps and charts.

nauticalcharts.noaa.gov

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OCRM provides leadership and direction to state and territorial coastal programs and estuarine research reserves; works with coastal managers to develop a scientifically-based national system of marine protected areas; and supports effective management and sound science to protect coral ecosystems.

coastalmanagement.noaa.gov

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OR&R works to prevent and mitigate harm to coastal resources. It is the primary NOAA office that responds to oil spills and hazardous material releases. OR&R also works with federal, state, and tribal natural resource trustees to restore damaged coastal resources.

response.restoration.noaa.gov

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IPO is the focal point for NOS's international activities to enhance U.S. and international capabilities for integrated ocean and coastal management.

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MBO is the focal point for all planning, management, and budget activities.

oceanservice.noaa.gov