



New York

NOAA is an agency that enriches life through science. Our reach goes from the surface of the sun to the depths of the ocean floor as we work to keep citizens informed of the changing environment around them. From daily weather forecasts, severe storm warnings, and climate monitoring to fisheries management, coastal restoration and supporting marine commerce, NOAA's products and services support economic vitality and affect more than one-third of America's gross domestic product. NOAA's dedicated scientists use cutting-edge research and high-tech instrumentation to provide citizens, planners, emergency managers and other decision makers with reliable information they need when they need it.

The following is a summary of NOAA facilities, staff, programs, or activities based in, or focused on, your state or territory: Starting with highlights, then by congressional districts and cities or towns, and then [statewide programs](#).

[Highlights of NOAA in New York](#)

Eastern Region Headquarters	Bohemia	NY-2
Hudson River National Estuarine Research Reserve	Annandale-on-Hudson	NY-19, 20
Greater Atlantic Regional Fisheries Office and Northeast Fisheries Science Center		NY

The state of New York also has four Weather Forecasting Offices, one Labs and Field Offices, three Science on a Sphere® exhibitions, and one National Estuarine Research Reserves.

Weather Forecast Offices

Upton/Central NY-1
Long Island/
New York Metro
Area
Albany NY-20
Binghamton NY-22
Buffalo NY-26

NWS Weather Forecast Offices (WFO) are staffed around-the-clock every day and provide the best possible weather, water, and climate forecasts and warnings to residents of New York. Highly trained forecasters issue warnings and forecasts for events, including severe thunderstorms, tornadoes, winter storms, floods, and heat waves. This essential information is provided to the general public, media, emergency management and law enforcement officials, the aviation and marine communities, agricultural interests, businesses, and others. Information is disseminated in many ways, including through dedicated government channels, satellite, the Internet, and NOAA Weather Radio All Hazards. Forecasters also provide Impact-based Decision-Support Services (IDSS), both remotely and on-site, during critical emergencies, such as wildfires, floods, chemical spills, and for major recovery efforts. The WFO collects and disseminates precipitation, river, and rainfall data, and prepares local climatological data. Each WFO has a Warning Coordination Meteorologist who actively conducts outreach and educational programs, which helps build strong working relationships with local partners in emergency management, government, the media and academic communities. The WFO operates Automated Surface Observing Stations (ASOS), as well as the local Doppler Weather Radar, which provides critical information about current weather conditions. The radar data enables forecasters to issue warnings for tornadoes, severe thunderstorms, and flash floods.

Science On a Sphere®

Tupper Lake NY-21
Horseheads NY-23
Rochester NY-25

Science On a Sphere (SOS) is a room-sized global display system that uses computers and video projectors to display planetary data onto a six-foot diameter sphere, analogous to a giant animated globe. Researchers at NOAA developed Science On a Sphere® as an educational tool to help illustrate Earth System science to people of all ages. Animated images of atmospheric storms, climate change, and ocean temperature can be shown on the sphere, which is used to explain in a way that is simultaneously intuitive and captivating what are sometimes complex environmental processes. They are located at The Wild Center in Tupper Lake, Wings of Eagles Discovery Center in Horseheads, and Rochester Museum and Science Center in Rochester.

NY-1

Bellport

National Marine Fisheries Service (NMFS) - [Office of Law Enforcement](#)

NOAA's Office of Law Enforcement is the only conservation enforcement program (Federal or State) that is exclusively dedicated to Federal fisheries and marine resource enforcement. Its mission is to protect global marine resources by enforcing domestic laws and international treaties and obligations dedicated to protecting wildlife and their natural habitat. Our special agents and enforcement officers ensure compliance with these laws and take enforcement action if there are violations. Additionally, the Cooperative Enforcement Program allows NOAA the ability to leverage the resources and assistance of 28 coast states and U.S. territorial marine conservation law enforcement agencies in direct support of the Federal enforcement mission. Effective fisheries law enforcement is critical to creating a level playing field for U.S. fishermen and enabling sustainable fisheries to support vibrant coastal communities. The Bellport field office is part of the Office of Law Enforcement's Northeast Division.

East Hampton

National Marine Fisheries Service (NMFS) - [Port Agent Field Office](#)

The Greater Atlantic Region's Port Agent Team works directly with the fishing industries of the region to provide in-person advice and support to fishermen and seafood dealers. Port agents also serve as a conduit for industry to relay information to the Regional Administrator and other NOAA staff about fishing industry concerns, thoughts and activities. Team members assist seafood dealers and vessel operators and owners with data reporting requirements, in navigating the permitting process, and with other Agency regulations and processes. They collect biological samples of seafood landed by commercial fishermen for use in fisheries stock assessments. They also provide the general public with information on fisheries and the marine environment by attending public events and through ad-hoc interactions.

Upton/Central Long Island/ New York Metro Area

National Weather Service (NWS) - [Weather Forecast Office](#)- See [Page 2](#) for details.

NY- 2

Bohemia

National Weather Service (NWS) - [Eastern Region Headquarters](#)

The NWS Eastern Region Headquarters is the administrative and support center for 23 NWS Weather Forecast Offices, four aviation-focused NWS Center Weather Service Units, and three River Forecast Centers located in 16 states (Maine, New Hampshire, Massachusetts, Vermont, Connecticut, Rhode Island, New York, Pennsylvania, South Carolina, North Carolina, Ohio, West Virginia, Virginia, Maryland, New Jersey, Delaware) and the District of Columbia. Services provided by a regional headquarters to local NWS offices within the region include scientific support and development, program management and guidance, field support for new program implementation, budget support, and employee recruitment and assistance. The headquarters is also the home office of the Eastern Region Director, who oversees the management and administration of the NWS entities listed above, as well as other region-level officials and program managers.

Islip

National Weather Service (NWS) - [Center Weather Service Unit](#)

Housed in the Federal Aviation Administration's New York Air Traffic Control Center (ARTCC), the NWS Center Weather Service Unit (CWSU) provides aviation forecasts and other weather information to ARTCC personnel for use in directing the safe, smooth flow of aviation traffic in the New York Metropolitan area, northern New Jersey, and eastern Pennsylvania.

NY- 5, 8, 13

New York City

National Ocean Service (NOS) - [Port of New York / New Jersey PORTS®](#)

A Physical Oceanographic Real-Time System (PORTS®) is operated cooperatively with the local maritime community in New York Harbor with real-time data quality-controlled and disseminated to local users for safe and efficient navigation. Real-time data are available for water levels from four stations, currents from one station, meteorological data from six locations and air gap at two locations: Bayonne Bridge and Verrazano-Narrows Bridge.

NY-7

Linden Hill

National Marine Fisheries Service (NMFS) - NOAA Fisheries New York [Inspection Office](#)

NOAA's Seafood Inspection Program conducts a voluntary inspection program for fishery products on a fee-for-service basis. The office offers a wide range of services to the area's fishermen and fish processors including process and product inspection, product grading, lot inspection, laboratory analysis, and training. All edible foodstuffs, ranging from whole fish to formulated products, as well as fishmeal used for animal foods, are eligible for inspection and certification.

NY-8

Brooklyn

NOAA Office of Education — [Environmental Literacy Program](#)

NOAA's Environmental Literacy Program (ELP), administered by the Office of Education, provides grants and in-kind support to build the capacity of institutions and networks to advance NOAA's mission through formal (K-12) and informal education. In New York, ELP supports the **New York Aquarium** (Brooklyn), a member of the Coastal Ecosystem Learning Center (CELC) Network, a consortium of 25 aquariums and marine science education centers with a reach of over 20 million people. The CELC Network works with NOAA and each member institution to engage the public in protecting coastal and marine ecosystems.

New York City

National Marine Fisheries Service (NMFS) - [Market News](#)

NOAA's "Fishery Market News" began operations in New York City on February 14, 1938. This office provides accurate and unbiased reports depicting current conditions affecting the trade in fish and fishery products.

NY-9

Brooklyn

NOAA Office of Education — [Environmental Literacy Program](#)

NOAA's Environmental Literacy Program (ELP), administered by the Office of Education, provides grants and in-kind support to build the capacity of institutions and networks to advance NOAA's mission through formal (K-12) and informal education. In New York, ELP supports **Brooklyn College** through a Environmental Literacy Grant focused on helping people and their communities build the environmental literacy necessary to become more resilient to local weather and climate hazards. Students, mostly from groups traditionally underrepresented in sciences that have been severely affected by extreme weather are engaged in learning about the Earth System through hands-on research and outdoor learning.

NY-13

New York City

Office of Oceanic and Atmospheric Research (OAR) - Joint Technology Transfer Initiative

Through the Joint Technology Transfer Initiative (JTTI) program, OWAQ funds proposals to support further development, testing and evaluation of mature weather research that has potential for improving NOAA's NWS operational capabilities, particularly in the areas of advancing numerical weather prediction capabilities that seamlessly integrate in the NOAA Unified Forecast System (UFS), water prediction capabilities, and forecasting extreme precipitation and flooding events.

NOAA Office of Education - [The NOAA Center for Earth System Sciences & Remote Sensing Technologies](#)

The NOAA Center for Earth System Sciences & Remote Sensing Technologies (CESSRST) is composed of the City College of New York, as the lead City University of New York (CUNY) institution, and five other CUNY institutions: Lehman College, Brooklyn College, New York City College of Technology, The collaborating academic partners are: Hampton University, the University of Maryland-Baltimore County, the University of Puerto Rico at Mayaguez, San Diego State University, the University of Texas at El Paso The corporate partners Science Systems Applications, Inc. (SSAI) and I.M. Systems Group (IMSG). The center is supported through a cooperative agreement award from NOAA's Educational Partnership Program with Minority Serving Institutions, as a future workforce investment towards NOAA's mission. The award is to expand participation in education, training, capacity building, and collaborative research focusing on groups that are traditionally underrepresented in NOAA mission-relevant Science Technology Engineering and Math (STEM), natural resources management, and policy disciplines. Since the NOAA Center was established at the City College of the City University of New York, 549 post-secondary degrees have been awarded to graduates in NOAA-mission fields. This Center is currently supporting 51 post secondary students. The Center's research into cutting edge remote sensing applications supports NOAA climate, weather and water, and ecosystem goals. Research focuses on all aspects of remote sensing - sensor development, satellite remote sensing, ground-based field measurements, data processing and analysis, modeling, and forecasting. The center trains students in science and engineering with a focus on underrepresented minorities in NOAA related sciences. The primary collaborator at NOAA is the National Environmental Satellite, Data, and Information Service, and research is also aligned with the needs of NOAA's National Weather Service and Office of Oceanic and Atmospheric Research.

NY-16

Yonkers

NOAA Office of Education — [Environmental Literacy Program](#)

NOAA's Environmental Literacy Program (ELP), administered by the Office of Education, provides grants and in-kind support to build the capacity of institutions and networks to advance NOAA's mission through formal (K-12) and informal education. In New York, ELP supports **Groundwork Hudson Valley** (Yonkers) through a Environmental Literacy Grant focused on helping people and their communities build the environmental literacy necessary to become more resilient to local weather and climate hazards. Students, mostly from groups traditionally underrepresented in sciences that have been severely affected by extreme weather are engaged in learning about the Earth System through hands-on research and outdoor learning.

NY-17

Palisades

Office of Oceanic and Atmospheric Research (OAR) - [International Research Institute](#)

NOAA's Climate Program Office International Research Institute for Climate and Society (IRI) was established in 1996 by NOAA and Columbia University as the world's first international institute with a mission to apply climate science in the service of society. IRI uses a science-based approach to enhance society's capability to understand, anticipate and manage the impacts of climate in order to improve human welfare and the environment, especially in developing countries. By providing practical advancements that reduce vulnerability to climate-related risks in the present, we are creating solutions that will increase adaptability to long-term climate change.

NY-19

Millbrook

National Environmental Satellite, Data, and Information Service (NESDIS) and Office of Oceanic and Atmospheric Research (OAR) - [U.S. Climate Reference Network](#)

The U.S. Climate Reference Network (USCRN) is an operationally viable research network of 135 climate stations that are deployed nationwide. Data from the USCRN are used in various climate monitoring activities and for placing current climate anomalies into an historical perspective. The USCRN provides the United States with a reference network that contributes to an International network under the auspices of the Global Climate Observing System (GCOS).

NY-19, 20

Annandale-on-Hudson

National Ocean Service (NOS) - [Hudson River National Estuarine Research Reserve](#)

The National Estuarine Research Reserve System is a network of protected areas focused on long-term research, monitoring, stewardship, education, and training. NOAA's Office for Coastal Management provides funding and national guidance, and each site is managed on a daily basis by a lead state agency or university with input from local partners. The 4,838-acre Hudson River Research Reserve, designated in 1982 and managed by the New York Department of Environmental Conservation, is a network of four components: the tidal wetlands and uplands of Piedmont Marsh, Iona Island, Tivoli Bays, and Stockport Flats.

NY-20

Albany

National Weather Service (NWS) - [Weather Forecast Office](#) - See [Page 2](#) for details.

NY-21

Tupper Lake

Office of Oceanic and Atmospheric Research (OAR) - [Science On a Sphere®](#) - See [Page 2](#) for details.

NOAA Office of Education — [Environmental Literacy Program](#)

NOAA's Environmental Literacy Program (ELP), administered by the Office of Education, provides grants and in-kind support to build the capacity of institutions and networks to advance NOAA's mission through formal (K-12) and informal education. In New York, ELP supports the **Wild Center** (Tupper Lake) through a Environmental Literacy Grant focused on helping people and their communities build the environmental literacy necessary to become more resilient to local weather and climate hazards. Students, mostly from groups traditionally underrepresented in sciences that have been severely affected by extreme weather are engaged in learning about the Earth System through hands-on research and outdoor learning. ELP also supports the **Wild Center**, which has a permanent exhibit featuring NOAA's Science On a Sphere is a member of NOAA's SOS Users Collaborative Network. The SOS Network has more than 100 institutions worldwide, reaching over 60 million people, and shares best practices in using the sphere to bring the latest global forecasts and models to the public.

NY-22

Binghamton

National Weather Service (NWS) - [Weather Forecast Office](#) - See [Page 2](#) for details.

Tompkins County

Office of Oceanic and Atmospheric Research (OAR) - [Atmospheric Integrated Research Monitoring Network](#)

A NOAA Air Resources Laboratory Atmospheric Integrated Research Monitoring Network (AIRMoN) site is located in Ithaca, NY. The site has been in operation since 1992 collecting data on major ions in precipitation (rain, snow) on a daily

basis and from 1976 on an event basis. The major ions collected include: sulfate, nitrate, phosphorus, pH, ammonium, sodium, chloride, and soil cations. AIRMoN is a sub-network of the National Atmospheric Deposition Program.

NY-23 through 29

Various Great Lakes and tributary cities

National Ocean Service (NOS) - [National Water Level Observation Network](#)

The National Ocean Service (NOS) operates eleven long-term continuously operating water level stations in the state of New York, which provide data and information on Great Lakes and interconnecting waterways datum and lake level regulation and are capable of producing real-time data for storm surge warning. These stations are located on the St. Lawrence River at Ogdensburg and Alexandria Bay; on Lake Ontario at Cape Vincent, Oswego, Rochester, and Olcott; on the Niagara River at Ashland Avenue, American Falls, and Niagara Intake; and on Lake Erie at Buffalo and Sturgeon Point.

NY-23

Ithaca

National Environmental Satellite, Data, and Information Service (NESDIS) and Office of Oceanic and Atmospheric Research (OAR) - [U.S. Climate Reference Network](#)

The U.S. Climate Reference Network (USCRN) is an operationally viable research network of 135 climate stations that are deployed nationwide. Data from the USCRN are used in various climate monitoring activities and for placing current climate anomalies into an historical perspective. The USCRN provides the United States with a reference network that contributes to an International network under the auspices of the Global Climate Observing System (GCOS)

National Environmental Satellite, Data, and Information Service (NESDIS) - [Regional Climate Centers](#)

NOAA NCEI's six Regional Climate Centers (RCCs) support the development and delivery of a wide range of place-based climate science and information products and services to assist decision-makers in making informed decisions. The RCCs are a federal-university cooperative effort that supports the operational production and delivery of climate data and information to decision-makers at regional levels. The RCCs also participate in basic and applied climate research as well as user engagement and outreach activities. The service provided by the RCCs has evolved through time to become an efficient, user-driven program that exemplifies many of the components that have been cited for effective regional climate services.

Horseheads

Office of Oceanic and Atmospheric Research (OAR) - [Science On a Sphere®](#) - See [Page 2](#) for details.

NY-25

Rochester

Office of Oceanic and Atmospheric Research (OAR) - [Science On a Sphere®](#)-See [Page 2](#) for details.

Science On a Sphere (SOS) is a room-sized global display system that uses computers and video projectors to display planetary data onto a six-foot diameter sphere, analogous to a giant animated globe. Researchers at NOAA developed Science On a Sphere® as an educational tool to help illustrate Earth System science to people of all ages. Animated images of atmospheric storms, climate change, and ocean temperature can be shown on the sphere, which is used to explain complex environmental processes in a way that is simultaneously intuitive and captivating.

NY-26

Buffalo

National Weather Service (NWS) - [Weather Forecast Office](#)- See [Page 2](#) for details.

NY

Statewide

National Marine Fisheries Service (NMFS) - [Greater Atlantic Regional Fisheries Office](#) and [Northeast Fisheries Science Center](#)

NMFS is responsible for the management, conservation and protection of living marine resources within the United States' Exclusive Economic Zone (water three to 200 mile offshore). The Greater Atlantic Regional Fisheries Office (located in Gloucester, MA) includes divisions that promote sustainable fisheries, habitat conservation, and recovery of protected species, and conducts statistical analysis and programs supporting these divisions. Key fish species managed in the Greater Atlantic Region include the northeast "multispecies complex" (cod, haddock, yellowtail flounder etc.), Atlantic sea scallops, herring, lobster, and summer flounder. Key marine endangered species in this region are northern right whales, Kemp's ridley sea turtles, Atlantic salmon and Atlantic and shortnose sturgeon. NMFS is the lead agency coordinating the Large Whale and Sea Turtle Disentanglement Program activities and the Marine Mammal Health and Stranding Response Program activities. The core functions of these programs include coordinating volunteer networks to: respond to entanglements and strandings, investigate mortality events, and conduct biomonitoring, tissue/serum banking, and analytical quality assurance.

The Northeast Fisheries Science Center (headquartered in Woods Hole, MA) focuses on collection, analysis, and presentation of scientific information about the Northeast Shelf ecosystem, its condition, and its marine life. In addition to its five laboratories, the Center uses three NOAA-owned research vessels to support its work. They are: the NOAA ship *Henry B. Bigelow*, and the small research vessels *Gloria Michelle* and *Victor Loosanoff*. The Greater Atlantic Regional Fisheries Office and the Science Center are responsible for the District of Columbia and the following states: Maine, New Hampshire, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Delaware, Maryland, Virginia, and North Carolina; and the inland states of Vermont, Minnesota, Michigan, Wisconsin, Illinois, Indiana, Ohio, and West Virginia.

National Marine Fisheries Service (NMFS) and National Ocean Service (NOS) - [Damage Assessment, Remediation, and Restoration Program](#)

NOAA's Damage Assessment, Remediation, and Restoration Program (DARRP) assesses and restores habitat, fisheries, protected species and recreational uses that have been harmed by oil spills, chemical releases, and ship groundings. Working with federal, state, and tribal entities, and responsible parties, we have recovered funding from responsible parties for restoration of critical habitats, fisheries, protected species and recreational uses nationwide. These projects promote recovery of the ecosystem and provide economic benefits from tourism, recreation, green jobs, coastal resiliency, property values and quality of life. In New York, the Program is currently working to restore natural resources in cases including the Hudson River, the St. Lawrence River, Newton Creek, and Gowanus Canal hazardous waste sites.

National Ocean Service (NOS) – [Scientific Support Coordinator and Regional Resource Coordinator](#)

NOAA's Office of Response and Restoration (OR&R) brings decades of experience, technical expertise and scientific analysis in response to oil and hazardous chemical spills from local emergencies to events that draw national attention like Hurricane Sandy. Nine regionally based Scientific Support Coordinators (SSCs) harness the input of a multi-disciplinary team to address issues such as oil slick trajectory forecasting, environmental tradeoffs, best practices, resources at risk, oil science and properties, and chemical hazard assessment to reduce risks to coastal habitats and resources. The SSC works directly with U.S. Coast Guard and the U.S. Environmental Protection Agency to provide critical scientific support to the Federal On-Scene Coordinator. OR&R also helps develop preparedness plans that identify spill response actions with the greatest environmental benefit and trains hundreds of members of the response community each year on the scientific and technical aspects of spills.

OR&R's Regional Resource Coordinators (RRCs) provide scientific and technical expertise and timely response to oil spills or hazardous materials releases to collect information, samples, and evidence that are time dependent and critical to support natural resource damage assessments throughout the coastal US. RRCs work on multi-disciplinary scientific, economic, and legal teams and are responsible for determining and quantifying injuries to NOAA trust natural resources through determination of injuries and pathway, and demonstration of causal mechanisms. The goal of the RRCs efforts is to determine, often through the Damage Assessment, Remediation, and Restoration Program, the appropriate amount and type of restoration required to restore injured NOAA trust resources and compensate the public for their lost use. New York's RRC is based in New York City.

National Ocean Service (NOS) – [Regional Geodetic Advisor](#)

The Regional Geodetic Advisor is a National Ocean Service (NOS) employee that resides in a region and serves as a liaison between the National Geodetic Survey (NGS) and its public, academic and private sector constituents within their assigned region. NGS has a Regional Geodetic Advisor stationed in Montpelier, Vermont serving the Northeast region – Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, and Vermont. The Geodetic Advisor provides training, guidance and assistance to constituents managing geospatial activities that are tied to the National Spatial Reference System (NSRS), the framework and coordinate system for all positioning activities in the Nation. The Geodetic Advisor serves as a subject matter expert in geodesy and regional geodetic issues, collaborating internally across NOS and NOAA to ensure that all regional geospatial activities are properly referenced to the NSRS.

National Weather Service (NWS) - [Automated Surface Observing Systems Stations](#)

The Automated Surface Observing Systems (ASOS) program is a joint effort of the National Weather Service (NWS), the Federal Aviation Administration (FAA), and the Department of Defense (DOD). ASOS serves as the Nation's primary surface weather observing network. ASOS is designed to support weather forecast activities and aviation operations and, at the same time, support the needs of the meteorological, hydrological, and climatological research communities. ASOS works non-stop, updating observations every minute, 24 hours a day, every day of the year observing basic weather elements, such as cloud cover, precipitation, wind, sea level pressure, and conditions, such as rain, snow, freezing rain, thunderstorms, and fog. There are 29 ASOS stations in New York.

National Weather Service (NWS) - [Cooperative Observer Program Sites](#)

The National Weather Service (NWS) Cooperative Observer Program (COOP) is truly the Nation's weather and climate observing network of, by and for the people. More than 10,000 volunteers take observations on farms, in urban and suburban areas, National Parks, seashores, and mountaintops. The data are representative of where people live, work and play. The COOP was formally created in 1890 under the NWS Organic Act to provide observational meteorological data, usually consisting of daily maximum and minimum temperatures, snowfall, and 24-hour precipitation totals, required to define the climate of the United States and to help measure long-term climate changes, and to provide observational meteorological data in near real-time to support forecast, warning and other public service programs of the NWS. The data are also used by other federal (including the Department of Homeland Security), state and local entities, as well as private companies (such as the energy and insurance industries). In some cases, the data are used to make billions of dollars' worth of decisions. For example, the energy sector uses COOP data to calculate the Heating and Cooling Degree Days which are used to determine individuals' energy bills monthly. There are 208 COOP sites in New York.

National Weather Service (NWS) - [NOAA Weather Radio All Hazards Transmitters](#)

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service (NWS) forecast office. NWR broadcasts official NWS warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week. Working with the Federal

Communication Commission's (FCC) Emergency Alert System, NWR is an "All Hazards" radio network, making it the single source for comprehensive weather and emergency information. In conjunction with federal, state, and local emergency managers and other public officials, NWR also broadcasts warning and post-event information for all types of hazards – including natural (such as earthquakes or avalanches), environmental (such as chemical releases or oil spills), and public safety (such as AMBER alerts or 911 Telephone outages). Known as the "Voice of NOAA's National Weather Service," NWR is provided as a public service by the NWS. NWR includes 1,100 transmitters covering all 50 states, adjacent coastal waters, Puerto Rico, the U.S. Virgin Islands, and the U.S. Pacific Territories. There are 23 NWR transmitters in New York.

NOAA Office of Education — [Environmental Literacy Program](#)

NOAA's Environmental Literacy Program (ELP), administered by the Office of Education, provides grants and in-kind support to build the capacity of institutions and networks to advance NOAA's mission through formal (K-12) and informal education. In New York, ELP supports the Bay Scallop Bowl in New York, one of 25 regional competitions of the National Ocean Sciences Bowl (NOSB). The NOSB is an academic competition that engages high school students in learning about ocean sciences and related STEM careers while helping them become knowledgeable citizens and environmental stewards. ELP also supports the American Meteorological Society's DataStreme courses for K-12 educators through a grant and in-kind support. Local implementation teams in the state offer DataStreme courses that use weather, climate, and the ocean as contexts for teaching science and improving understanding about the Earth system.

Office of Oceanic and Atmospheric Research (OAR) - [New York Sea Grant College Program](#)

NOAA's National Sea Grant College Program is a federal-university partnership that integrates research, education and outreach. Sea Grant forms a network of 33 programs in all U.S. coastal and Great Lakes states, Puerto Rico, and Guam. Since 1971, New York Sea Grant's statewide network of integrated research, education, and extension services has worked to promote the wise use and protection of natural resources along the state's 3400 miles of marine and Great Lakes coastline. A cooperative program of the State University of New York and Cornell University, New York Sea Grant addresses important challenges and opportunities related to coastal-dependent businesses, coastal ecosystem health, community resilience to coastal hazards, fisheries, seafood safety and technology, and aquatic invasive species.

Office of Oceanic and Atmospheric Research (OAR) - [Lake Champlain Sea Grant Program](#)

.NOAA's National Sea Grant College Program is a federal-university partnership that integrates research, education and outreach. Sea Grant forms a network of 33 programs in all U.S. coastal and Great Lakes states, Puerto Rico, and Guam. The Lake Champlain Sea Grant Program, based at the University of Vermont, supports the improved understanding, use and management of Lake Champlain, Lake George, the Basin's inland waters and the Great Lakes in general. The Lake Champlain Sea Grant Program focuses the program's outreach and research priorities on coastal communities and economies, coastal ecosystem health and public safety, and education and human resources development. Administered by the University of Vermont, the Lake Champlain Sea Grant Program collaborates with Plattsburgh State University in New York. Current projects focus on healthy coastal ecosystems, sustainable fisheries and aquaculture, resilient communities and economies, and environmental literacy and workforce development.

[Coastal](#)

National Marine Fisheries Service (NMFS) - [Cooperation with States Program](#) and [Species Recovery Grants](#)

Under the authority of section 6 of the Endangered Species Act, the Cooperation with States Program brings states, NMFS, and other partners together to recover threatened and endangered species. A total of 25 U.S. territories and coastal states, including New York, currently participate in this program. Competitive grants are awarded to states through the Species Recovery Grants to States Program to support management, monitoring, research and outreach efforts for

species that spend all or a portion of their life cycle in state waters. The funded work is designed to prevent extinctions or reverse the decline of species, and restore ecosystems and their related socioeconomic benefits.

National Marine Fisheries Service (NMFS) - [Restoration Center](#)

The NOAA Restoration Center, within the Office of Habitat Conservation, works with private and public partners locally and nationwide to increase fisheries productivity by restoring coastal habitat. Projects support sustainable fisheries, help recover threatened and endangered species, and reverse damage from disasters like oil spills, ship groundings, and severe storms. Since 1992, they have provided more than \$750 million to implement more 3,300 coastal habitat restoration projects.

National Marine Fisheries Service (NMFS) - [Sea Turtle Salvage and Stranding Network](#)

The Sea Turtle Stranding and Salvage Network (STSSN) was formally established in 1980 to collect information on and document strandings of marine turtles along the U.S. Gulf of Mexico and Atlantic coasts. The network, which includes federal, state and private partners, encompasses the coastal areas of the eighteen-state region from Maine to Texas, and includes portions of the U.S. Caribbean. Data gathered by the Network helps inform bycatch reduction efforts, track factors affecting turtle health, and provide other information needed for sea turtle management and population recovery.

National Marine Fisheries Service (NMFS) - [National Marine Mammal Stranding Network](#) and [John H. Prescott Marine Mammal Rescue Assistance Grant Program](#)

The National Marine Mammal Stranding Network and its trained professionals respond to dead or live marine mammals in distress that are stranded, entangled, out of habitat or otherwise in peril. Our long-standing partnership with the Network provides valuable environmental intelligence, helping NOAA establish links among the health of marine mammals, coastal ecosystems, and coastal communities as well as develop effective conservation programs for marine mammal populations in the wild. There are two stranding network members in the state. NOAA Fisheries funds eligible members of the Stranding Network through the John H. Prescott Marine Mammal Rescue Assistance Grant Program. In FY18, 36 grantees received \$2.8 Million nationwide with one award going to one recipient in New York, Atlantic Marine Conservation Society.

National Ocean Service (NOS) - [National Water Level Observation Network](#)

NOS operates three long-term continuously operating tide stations in the state of New York which provide data and information on tidal datum and relative sea level trends, and are capable of producing real-time data for storm surge warning. These stations are located at Montauk, Kings Point, and the Battery in New York City. Each station is associated with a set of tidal benchmarks installed in the ground that is used to reference the height of the water levels and helps connect the water level to land.

National Ocean Service (NOS) - [Navigation Manager](#)

NOAA's navigation managers work directly with pilots, port authorities, and recreational boating organizations in New York. The Office of Coast Survey has a navigation manager located in Narragansett, RI, to support mariners and stakeholders in the Northeast. Navigation managers are on call to provide expertise and NOAA navigation response coordination in case of severe coastal weather events or other marine emergencies. In the day-to-day operations of the maritime transportation system, NOAA's navigation managers help identify the navigational challenges facing marine transportation in New York and provide NOAA's resources and services that promote safe and efficient navigation.

National Ocean Service (NOS) - [Coastal and Estuarine Land Conservation Program](#)

The Coastal and Estuarine Land Conservation Program brings conservation partners together to protect coastal and estuarine lands considered important for their ecological, conservation, recreational, historical, or aesthetic values. To

date the program has protected more than 100,000 acres of land with program funds and over 16,000 acres with an in-kind match. The program provides state and local governments with matching funds to purchase coastal and estuarine lands or obtain conservation easements for important lands threatened by development. NOAA awarded 14 grants in New York, and these lands are protected in perpetuity.

National Ocean Service (NOS) – [National Coastal Zone Management Program](#)

Through a unique federal-state partnership, NOAA’s Office for Coastal Management works with the New York Department of State, Office of Planning and Development, to implement the National Coastal Zone Management Program in New York. NOAA provides the state coastal management program with financial and technical assistance to further the goals of the Coastal Zone Management Act and ensure coastal waters and lands are used in a balanced way to support jobs, reduce use conflicts, and sustain natural resources.

National Ocean Service (NOS) - OR&R [Atlantic Environmental Response Management Application](#)

Assessing important spatial information and designing successful restoration projects rely upon interpreting and mapping geographic information, including the location, duration, and impacts from oil spills, other hazardous materials, or debris released into the environment. Atlantic Environmental Response Management Application (ERMA®) is an online mapping tool that integrates both static and real-time data, such as Environmental Sensitivity Index maps, ship locations, weather, and ocean currents, in a centralized, easy-to-use format for environmental responders and decision makers. In 2012, Atlantic ERMA was employed as the Command Operational Picture for the U.S. Coast Guard’s pollution response to Tropical Storm Sandy in New York and New Jersey waters.

National Ocean Service (NOS) - [Marine Debris Projects and Partnerships](#)

The NOAA Marine Debris Program (MDP) leads national and international efforts to research, prevent, and reduce the impacts of marine debris. The program supports marine debris removal, prevention, and research projects in partnership with state and local agencies, tribes, non-governmental organizations, academia, and industry. Both the MDP Mid-Atlantic and Great Lakes Regional Coordinators help to coordinate New York-based efforts with regional stakeholders, provide support to grant-funded projects, track the progress of projects, and conduct regional marine debris outreach to local audiences. In New York, the MDP is partnering with Cornell University Cooperative Extension of Suffolk County to continue their successful and long-running efforts to remove and quantify the extent and distribution of derelict lobster gear in the New York and Connecticut waters of Long Island Sound. The MDP has also worked with Great Lakes stakeholders to develop the Great Lakes Land-Based Marine Debris Action Plan, which provides a road map for strategic progress in making the Great Lakes, its coasts, people, and wildlife free from the impacts of marine debris.

National Ocean Service (NOS) - [Mid-Atlantic Regional Association Coastal Ocean Observing System](#)

U.S. IOOS® is an operational system comprised of a network of 11 regional partners responsible for regional observations, data management, modeling and analysis, education and outreach, and research and development.. The overarching purpose of U.S. IOOS is to address regional and national needs for ocean data and information. The Mid-Atlantic Regional Association Coastal Ocean Observing System (MARACOOS), part of the Integrated Ocean Observing System (IOOS), is one of eleven regional associations in the United States focused on ocean observing. Our region extends from Cape Hatteras to Cape Cod and includes all the estuaries and the continental shelf waters. MARACOOS provides the necessary ocean observing, data management, and forecasting capacity to systematically address prioritized themes maritime safety, ecosystem based management, water quality, coastal inundation, and offshore energy development.

National Ocean Service (NOS) and National Marine Fisheries Service (NMFS) – [Coastal Resilience Grant Award](#)

These grants help coastal communities prepare for and recover from extreme weather events, climate hazards, and changing ocean conditions. The focus is on comprehensive regional approaches that use science-based solutions and rely on collaborative partnerships. In New York, the NOAA Office for Coastal Management awarded a grant to the Mid-Atlantic Regional Council on the Ocean (MARCO) to enable partners and coastal and ocean stakeholders from New York to Virginia to enhance climate and coastal resilience by better understanding how changing ocean conditions impact coastal communities and economies.

National Weather Service (NWS) - [Buoys](#)

The National Weather Service (NWS), through its National Data Buoy Center (NDBC), develops, deploys, operates, and maintains the current national data buoy network of moored and drifting weather buoys and land stations that serve all of the Nation's coastal states and territories. Within this network, 110 of the buoys and 51 of the land stations are maintained directly by NDBC. Located at NASA's Stennis Space Center in Mississippi, NDBC supports weather and marine warning and forecast services in real time by providing deep ocean and coastal meteorological and oceanographic observations. These data provide valuable information used by NWS supercomputers to produce computer-generated model forecasts of the atmosphere and climate. NDBC manages the Volunteer Observing Ship program to acquire additional meteorological and oceanographic observations supporting NWS mission requirements. NDBC also supports operational and research programs of NOAA and other national and international organizations.

[Great Lakes](#)

National Marine Fisheries Service (NMFS) - [Restoration Center](#)

The NOAA Restoration Center, within the Office of Habitat Conservation, works with private and public partners locally and nationwide to increase fisheries productivity by restoring coastal habitat. Projects support sustainable fisheries, help recover threatened and endangered species, and reverse damage from disasters like oil spills, ship groundings, and severe storms. Since 1992, they have provided more than \$750 million to implement more 3,300 coastal habitat restoration projects. In the Great Lakes including New York the Restoration Center focuses on restoring the most degraded environments--designated Areas of Concern For example, we are working with local and regional partners to implement several habitat restoration projects that will create more natural and stable shoreline, enhance and restore riparian habitat, control and manage invasive species, reduce erosion and control sedimentation, ultimately leading towards the delisting of the Area of Concern designation. NOAA is also working with the Great Lakes Restoration Initiative (GLRI) to implement habitat restoration projects that will help improve Areas of Concern.

National Marine Fisheries Service (NMFS) and National Ocean Service (NOS) - [Bay-Watershed Education and Training Program](#)

The NOAA Bay-Watershed Education and Training (B-WET) Program is an environmental education program that promotes locally relevant, experiential learning in the K-12 environment. The primary delivery of B-WET is through competitive funding that promotes Meaningful Watershed Educational Experiences (MWEEs). B-WET currently serves seven areas of the country: California, Chesapeake Bay, Great Lakes, Gulf of Mexico, Hawai'i, New England, and the Pacific Northwest. The B-WET Program recognizes that knowledge and commitment built from firsthand experience, especially in the context of one's community and culture, is essential for achieving environmental stewardship. Chesapeake Bay and Great Lakes B-WET respond to regional education and environmental priorities through local implementation of competitive grant funds. Please see regional funding opportunities for priorities and eligibility details.

National Ocean Service (NOS) – [Great Lakes Environmental Response Management Application](#)

Assessing important spatial information and designing successful restoration projects rely upon interpreting and mapping geographic information, including the location, duration, and impacts from oil spills, other hazardous materials, or debris released into the environment. Great Lakes Environmental Response Management Application (ERMA®) is an online

mapping tool that integrates both static and real-time data, such as Environmental Sensitivity Index maps, ship locations, weather, and ocean currents in a centralized, easy-to-use format for environmental responders and decision makers.

National Ocean Service (NOS) - [Great Lakes Observing System](#)

The U.S. Integrated Ocean Observing System (IOOS®) is an operational system and a network of regional partners responsible for regional observations, data management, modeling and analysis, education and outreach, and research and development. The overarching purpose of U.S. IOOS is to address regional and national needs for ocean data and information. The Great Lakes Observing System (GLOS) provides public access to critical, real-time and historical data and information about the Great Lakes, St. Lawrence River and interconnecting waterways for use in managing, safeguarding and understanding these immensely valuable freshwater resources. GLOS is intended to gather and integrate chemical, biological and hydrologic data, and monitor lake conditions and trends over time.

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