

NOAA

by the numbers



16
NOAA weather
satellites in operation



1 Minute is the time it takes for NOAA's GOES-17 satellite to capture and transmit a high-definition image to forecasters and emergency responders

1.5 million

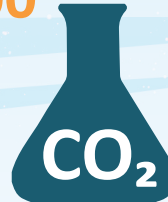
Forecasts and 50,000 warnings issued each year

76 billion

Weather observations collected each year

675,000

Greenhouse gas measurements per year



321

Active-duty, uniformed NOAA Corps officers



480,906

PreK-12 students participated in NOAA-supported formal education programs



Highest wind speed in knots measured from NOAA's Hurricane Hunter planes

197



1,435



Unmanned aircraft system flights in 2019

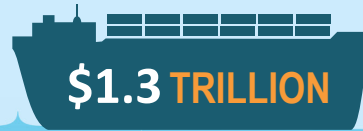
279,863

miles sailed by NOAA ships in 2019 on research and survey missions



Value of shipped goods NOAA's navigation services supports each year

\$1.3 TRILLION



Terabytes of oceanic, atmospheric, & geophysical data archived per month

26



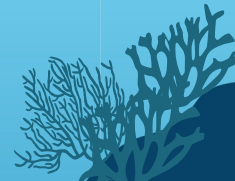
1,000+

Nautical charts maintained for 95,000 miles of shoreline and 3.4 million sq. nautical miles of water



1.9 million

Sq. kilometers of ocean floor mapped globally via NOAA Ship *Okeanos Explorer*



165



Endangered or threatened species NOAA is responsible for conserving & recovering

600,000

Sq. miles of underwater parks protected in 14 national marine sanctuaries and 2 marine monuments



\$3.4 BILLION

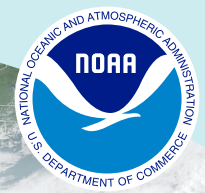
Total economic value of coral reefs NOAA supports each year through conservation



46

Fish stocks rebuilt since 2000, including multiple species of salmon and crab





MAKING AN IMPACT FROM THE SURFACE OF THE SUN TO THE BOTTOM OF THE OCEAN

NOAA'S MISSION

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 the public informed of the changing environment around them.

We understand and predict changes in climate, weather, oceans and coasts; share that knowledge and information with others; and conserve and manage coastal and marine ecosystems and resources.

CAREER PATHS

NOAA successfully achieves its wide range of environment-focused missions through the support of a highly-skilled, passionate and diverse workforce, which includes federal employees, contractors, grantees, to dedicated volunteers.

Join a dedicated workforce committed to a vital mission: safeguarding the public, protecting natural resources, strengthening the economy. NOAA, a career that makes a world of difference.

- | | |
|------------------------|-----------------------------|
| Scientists & engineers | Facilities specialists |
| Law enforcement | Administrative staff |
| NOAA Corps | Information technology (IT) |
| Legislative affairs | Support services |
| Graphic designers | Web developers |
| Lawyers | Educators |
| Pilots | Divers |

HOW WE SERVE

NOAA is a world-class science agency that involves various types of work including:

- | | |
|--------------------------|-----------------------------|
| Grants | Communication |
| Education | Research |
| Data analysis | Visualization |
| Policy making | Administration |
| Environmental monitoring | Information technology (IT) |

CORE FOCUSES

Stewardship is NOAA's direct use of knowledge to protect people and the environment. The agency exercises its authority to regulate and sustain marine fisheries, protect endangered marine and anadromous species, protect and restore habitats and ecosystems, conserve marine sanctuaries and other protected places, respond to environmental emergencies, and aid in disaster recovery.



- Managing fisheries
- Gathering data through satellites
- Forecasting weather
- Protecting the ocean and coasts
- Conducting research
- Managing a fleet of ships and planes
- Supporting work across the agency

WHAT IS NOAA?

WHAT WE DO

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 uses 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.

Contact us at outreach@noaa.gov

HOW WE CONNECT

NOAA's core mission functions require satellite systems, ships, buoys, aircraft, research facilities, high-performance computing, and information management and distribution systems. The agency provides research-to-application capabilities that can recognize and apply significant new understanding to questions, develop research products and methods, and apply emerging science and technology to user needs.

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