

# National Oceanographic Data Center



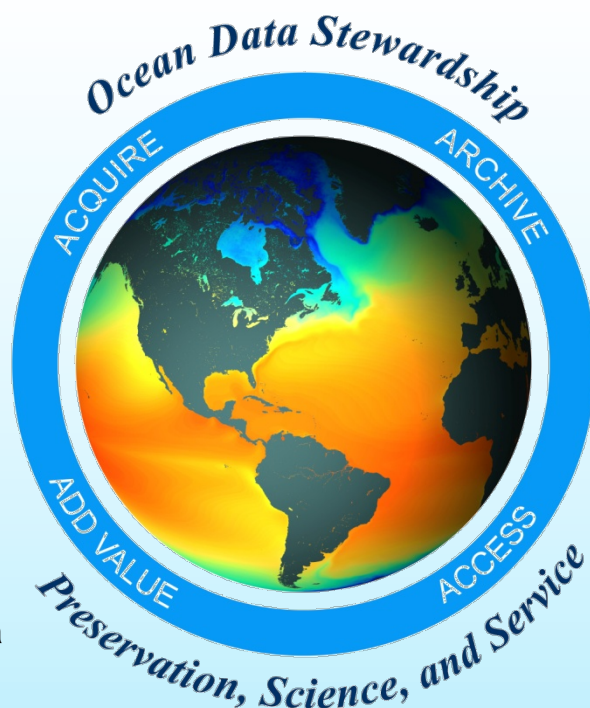
*Providing scientific stewardship of marine data and information*

## NOAA's Ocean Data Archive

Have you ever performed a Google search on “ocean data” or “ocean temperatures”? NODC comes up first! Hundreds of thousands of people use NOAA's ocean data for research, coastal planning, business actions, commerce and transportation, or beach travel plans.

## NODC Provides...

- The World's largest collection of freely available oceanographic data
- Water temperatures dating back to the late 1700's and measuring thousands of meters deep
- A “State of the Ocean Climate” from NODC's Ocean Climate Lab and Satellite Team's scientific analyses
- Scientific journals, rare books, historical photo collections and maps through the NOAA Central Library, a division of NODC
- Data management expertise including metadata training through NODC's National Coastal Data Development Center



## Experience Matters

For over fifty years, NODC has served the Nation with unmatched expertise in the scientific stewardship of marine data and information. NODC's unique blend of oceanographers, computer scientists, data managers, and librarians, know that good decisions are based on good data. Acquiring and archiving ocean data from all over the world and from a variety of sources, NODC provides the services and products that decision makers and researchers need. Supported by NODC's advanced technologies are people who understand that oceanographic research and observational data collected for the public's benefit, must be archived, protected, and made available to everyone. After all, today's data are the foundation for tomorrow's decisions.

# How NODC Supports NOS



## Office of Response & Restoration (OR&R)

NODC provides access to vast amounts of data and information in support of the Deepwater Horizon (DWH) Incident on the NODC website.

NOAA's National Coastal Data Development Center (NCDDC) works with OR&R on ongoing DWH projects, serving as an assembly and processing center for DWH Natural Resource Damage Assessment data and providing data analysis for the DWH Joint Analysis Group.

The NOAA Central Library provides personalized real time access to scientific journals to OR&R staff working in the field, and continues to provide access to DWH-related information by digitizing material through the Institutional Repository.

## National Center for Coastal Ocean Science (NCCOS)

NCDDC manages data for the Phytoplankton Monitoring Network and created a web mapping data access system. NCDDC also hosts a NCCOS scientist on site at Stennis Space Center, MS and worked with NCCOS to create a prototype environmental surveillance network for South Carolina.

## National Estuarine Research Reserve System (NERRS)

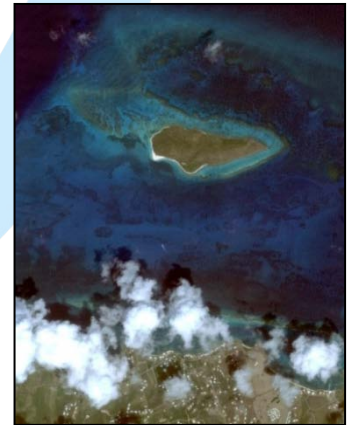
NODC archives and provides access to NERRS data, while collaborating with NERRS and NOAA National Marine Sanctuaries to create educational products such as the NOAA Ocean Data Education project.

## Integrated Ocean Observing System (IOOS)

NODC provides archive and access services to IOOS-supported Regional Association-collected data in partnership with the NOAA IOOS Program Office.

## Coastal Services Center (CSC)

NODC's Coral Reef Information System (CoRIS) archives coastal land cover data from the Coastal Change Analysis Program (C-CAP). NODC works with CSC on data management issues such as providing metadata support for CSC's development of the Southeast and Caribbean Data Explorer.



## National Geodetic Survey (NGS)

NODC archives coastal imagery data collected through the NOAA Integrated Ocean and Coastal Mapping efforts.

## Office of Coast Survey (OCS)

NODC helps OCS modelers better understand and make use of satellite altimetry data.

## Coral Reef Conservation Program

NODC hosts the Coral Reef Information System (CoRIS) and produces the Coral Reef Temperature Anomaly Database (CoRTAD).