



Southeast Coastal Ocean Observing Regional Association

OUR EYES ON THE SOUTHEAST'S OCEAN AND COASTAL WATERS

North Carolina

South Carolina

Georgia

Florida

Our valued ocean and coasts

Do you care about the impact of rising sea level on coastal economies and communities? Do you depend on marine weather forecasts to make decisions about boating and other recreational activities on the coast? Does protecting marine mammals, oysters, and other commercial and recreational fisheries for future generations matter to you? Do you depend on coastal tourism, ports or commercial fishing for your livelihood? Do you think a coherent national energy policy should include offshore alternative energy options, like wind and currents? Does the beauty and health of the coast and ocean impact your quality of life? Then you should know about SECOORA, the Southeast Coastal Ocean Observing Regional Association.

SECOORA helps save lives and protect property by

- ▶ improving the forecasting of hurricane-related impacts such as coastal inundation.
- ▶ supporting models that improve beach advisories for swimmers.
- ▶ improving rip current and nearshore surf zone forecasts.

SECOORA supports ecosystem based management by

- ▶ providing critical physical and biological data for fisheries management decisions.
- ▶ providing circulation models that inform understanding of larval transport.
- ▶ linking climate and ocean circulation anomalies to harmful algal blooms and impacts on corals and fisheries.

SECOORA improves marine safety and operations by

- ▶ generating wind, wave, and water level information necessary for marine weather forecasts.
- ▶ providing easy access to real-time weather and wave information.

What is SECOORA?

SECOORA is the regional solution to integrating coastal and ocean observing in the Southeast United States. SECOORA coordinates coastal and ocean observing activities and facilitates dialogue among stakeholders so that the benefits from the sustained operation of a coastal and ocean observing system are realized. SECOORA is one of 11 Regional Associations established nationwide through the NOAA Integrated Ocean Observing System (IOOS®). With the Nation's eyes on the oceans, coasts, and Great Lakes, SECOORA's goals include tracking, predicting, managing, and adapting to changes in the southeastern U.S. marine environment. SECOORA's members deliver the data and information needed to increase our understanding of our coastal waters so decision makers can take action to improve safety, enhance our economy, and protect our environment.



Gag grouper are the most common grouper in the SECOORA region. Managing fisheries is a SECOORA priority and members are using coastal and ocean observing data to address fisheries related issues.
Photo: NOAA Photo Library/OAR/National Undersea Research Program (NURP)/UNCW

SECOORA Components

Buoy and Pier Moorings

Coastal High Frequency Radar Installations

Satellite Observations

Meteorological Observations

Ship-based Observations

Coastal and Riverine Sensor Networks

Computer Models

Ecological and Climate Forecasts

Education & Outreach Activities

Data Archives

Data Access and Visualization Tools

What does SECOORA do?

- Provides data, information, and products on coastal and ocean system conditions to stakeholders in North Carolina, South Carolina, Georgia, and Florida.
- Represents the interests of those that use, depend on, study, and manage coastal and ocean environments and resources in the Southeast.
- Links data providers and users from state and federal agencies, private industry, non-governmental institutions, and academia.
- Addresses the dynamic needs of stakeholders and incorporates new marine technologies based on these needs.

"Without SECOORA, our region would be unable to adequately observe and understand the changes affecting the coasts and ocean so critical to our region's future"

*Harvey Seim,
Chair, SECOORA
UNC Chapel Hill*

Interested in becoming a Member?



*The USCG ELM deploys a UNCW/US Marine Corps weather and oceanographic buoy 5 miles offshore of the Camp Lejeune Marine Corps Base. The buoy provides valuable data for boaters and mariners and plays a significant role in military training and Base operations.
Photo: UNCW/Jamie Moncrief*

SECOORA is a not-for-profit, membership organization. Our members include academic institutions, state agencies, other non-profits, business and industry, and individuals with coastal and ocean interests. Membership in SECOORA conveys many benefits:

- Networking with others interested in ocean observing
- Access to technologies and tools workshops
- Information on grant and fellowship opportunities
- Access to coastal and ocean related educational products and materials
- A venue for supporting and being a voice in setting ocean observing priorities at the national and regional level
- Opportunities to lead and coordinate development of the integrated ocean observing system in the Southeast

Commitment to ocean observing technologies in our region is critical. Your input, guidance, support, and membership will insure that SECOORA continues to develop the products and services that you need. Join SECOORA and be a part of the Southeast's future.



For more information on SECOORA or to become a member, please contact
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