

# MARITIME OPERATIONS

## SUPPORTING SAFETY and EFFICIENCY

### DATA FOR FISHERMEN, MARINERS, AND INDUSTRY

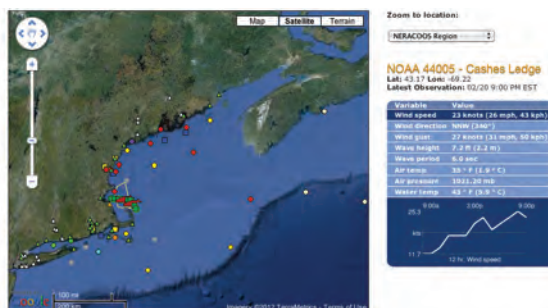
The ocean along the northeastern United States and Maritime Canada is used extensively for commercial shipping, commercial and recreational fishing, cruise ships, and recreational boating. Aquaculture, renewable energy, and other newer industries are expanding in these waters. These maritime activities are important economic drivers and require high-quality information about the weather and ocean for safety and efficiency.

The Northeastern Regional Association of Coastal Ocean Observing Systems (NERACOOS) delivers critical ocean and weather information to mariners when and where they need it. Data from the NERACOOS oceanographic sensors, coastal radar stations, and ocean forecasts are making maritime operations safer and more efficient.

#### NERACOOS Tools

- Real-time data map
- Wave forecast
- Ocean current maps
- Northeast Coastal Ocean Forecast System
- Long-term data on ocean conditions

“I would like you to know that information you are providing us not only aids us in our work, it almost certainly has saved lives.”  
Roy Atkinson, Fisherman



Mariners, fishermen, emergency responders, and others have easy access to real-time information about ocean conditions from NERACOOS. In this example, the graph at right shows 12 hours of wind speeds at a buoy selected on the map.

### BENEFITS

#### • SAFETY AT SEA

Commercial and recreational mariners use NERACOOS data and forecasts to plan their activities around storm conditions, fog, and other safety factors.

#### • SEARCH AND RESCUE

The U.S. Coast Guard uses NERACOOS real-time data and forecasts during search-and-rescue operations.

#### • OCEAN ENGINEERING

With detailed historical data from NERACOOS, engineers can effectively design structures to withstand the region's extreme conditions.

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