



SECOORA
S O U T H E A S T
C O A S T A L O C E A N O B S E R V I N G
R E G I O N A L A S S O C I A T I O N

Observing, understanding, and increasing awareness of our coastal ocean in Florida, Georgia, South Carolina, and North Carolina.

Visit us online at secoora.org



DELIVERING DATA FOR DECISIONS



Marine Operations



Coastal Hazards and Climate Variability



Ecosystems, Water Quality, and Living Marine Resources

With coastal communities facing threats of storm surge and extreme rainfall, we are supporting informed decision-making through the installation and operation of over 100 water level stations in the Southeast.

From Lynn Davis, Town Manager of Belhaven, NC:

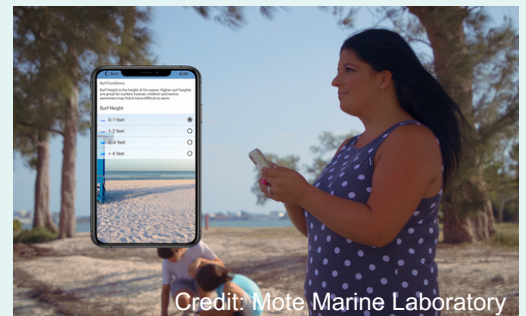
"Belhaven is no stranger to high water, so our people are resilient. Being able to anticipate and know what the water levels actually are has helped our citizens plan and prepare much better. We've been able to shift from being reactive to proactive because of these gauges."



Online and mobile apps provide real-time water quality data to promote safe enjoyment of our beaches.

From Lt. Maxwell Ervanian, Training and Operations Officer of the Jacksonville Beach Ocean Rescue Division:

"The Mote Beach Conditions Reporting System delivers crucial real-time updates in Jacksonville Beach, ensuring residents and visitors stay informed for a safer beach and ocean experience. This innovative tool has become indispensable, enhancing the well-being and enjoyment of Jacksonville Beach's beachgoers."



Credit: Mote Marine Laboratory

Ports, a major sector of the marine and coastal economy, rely on SECOORA data for safe and efficient operations.

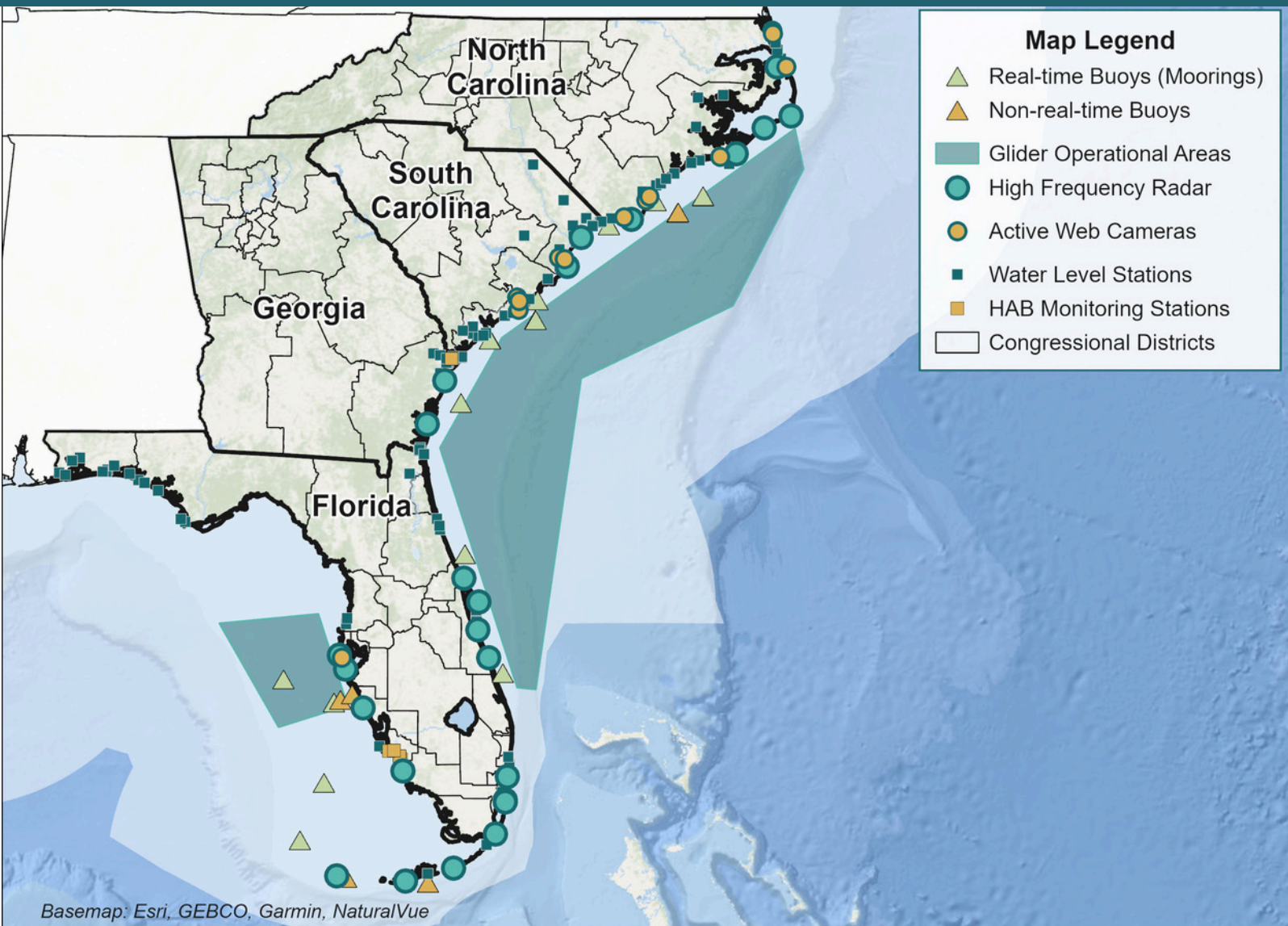
From Mark Messersmith at South Carolina Ports Authority (SCPA):

"SCPA and our partners use the data from the SECOORA Buoy CAP 2 to provide important meteorological and oceanographic information for safe and efficient marine transportation as well as for data inputs on studies impacting the economic vitality of our Port and region."



Credit: SCPA

SECOORA Serves the Southeast



Real-time water level sensors measure water height to monitor flooding and tidal changes in communities.



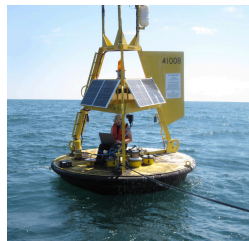
Web cameras allow scientists to monitor various weather, ocean, ecological, and public health hazards.



Glidors collect data used in hurricane intensity forecasts, like subsurface water temperature.



High frequency radars measure speed/direction of surface currents, aiding Coast Guard search & rescue.



Buoys collect meteorological and wave data to improve weather forecasts and models, including hurricane tracks.



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