

Implementation of a SECOORA Water Elevation Meter

**Presentation to WAPAC
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Background

Southeast Coastal Ocean Observing Regional Association (SECOORA) Observing system provides access to historical and real-time coastal ocean data that advances science, technology innovation, and product development. Insights generated from observing data ensure the right decisions are made to secure resilient futures and safeguard coastal ocean ecosystems and communities.

Background

- Town partnership with South Carolina Sea Grant Consortium and SECOORA through the South Carolina Water Level Monitoring Initiative.
- The goal of the project is to install low-cost water level sensors across the southeast to help with coastal flooding challenges.
- These water level sensors allow communities to observe real-time, publicly accessible data on the elevation of a waterbody's surface in their community.

Example Station

- The Town of Bluffton installation at the Calhoun Street Dock on January 20, 2026.
- Will be accompanied by educational signage and QR code for data access.



Draft Educational Signage

Southeast Water Level Network

This water level sensor measures the height of the water below the dock. It is a collaborative effort between the Town of Bluffton, SC Sea Grant, and the Southeast Coastal Ocean Observing Regional Association (SECOORA).

Why measure water level?

Real-time water level sensors measure and report the height of the water, which is critical during storm and king tide events. This data can help communities like Bluffton make informed decisions about flooding and tidal elevation changes over time.

Data made possible by:



Scan the QR code to
access water level data:



Please contact
wlnetwork@secoora.org
to report an issue.

<https://secoora.org/southeast-water-level-network/>