

# SECOORA Southeast Water Level Network

Water Level Program Overview

Nicole Elko

American Shore & Beach Preservation Association (ASBPA)



Water Levels in the Southeast  
June 13-15, 2023

# High Level Overview of Program



Dr. Nicole Elko & Dr. Brian Glazer



Georgia  
Tech

Dr. Russell Clark



Dr. Tiffany Troxler



Dr. Paul Gayes & Dr. Jason Halstrom



Water Levels in the Southeast  
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# Southeast Water Level Network

100S | Integrated Ocean Observing System  
SECOORA | Southeast Coastal Ocean Observing Regional Association

Home | Date Filter

All | Sensor Stations | Data Layers | Moving Platforms | Variable Types

### Southeast Water Level Network

Stations | Inventory

Station	Start	End
Avon Pier (decommissioned)	Nov 29, 2011 17:00 (EST)	Jul 11, 2022 03:54 (EDT)
Bald Head Island	Dec 13, 2021 06:00 (EST)	Feb 6, 2023 12:30 (EST)
Barefoot Resort Swing Bridge, SC	Mar 30, 2022 20:09 (EDT)	Feb 6, 2023 12:01 (EST)
Blue Road, Coral Gables, FL	Jun 21, 2021 12:00 (EDT)	Oct 21, 2022 11:17 (EDT)



SCAN  
ME!



Home | Southeast Water Level Network

### Southeast Water Level Network

This map displays the installation locations of water level stations in SECOORA's Water Level Network, and will be updated as more stations are added to the network.

**Water Level Stations**

Select a station

- COU / FAU
- Georgia Tech
- Hohoku

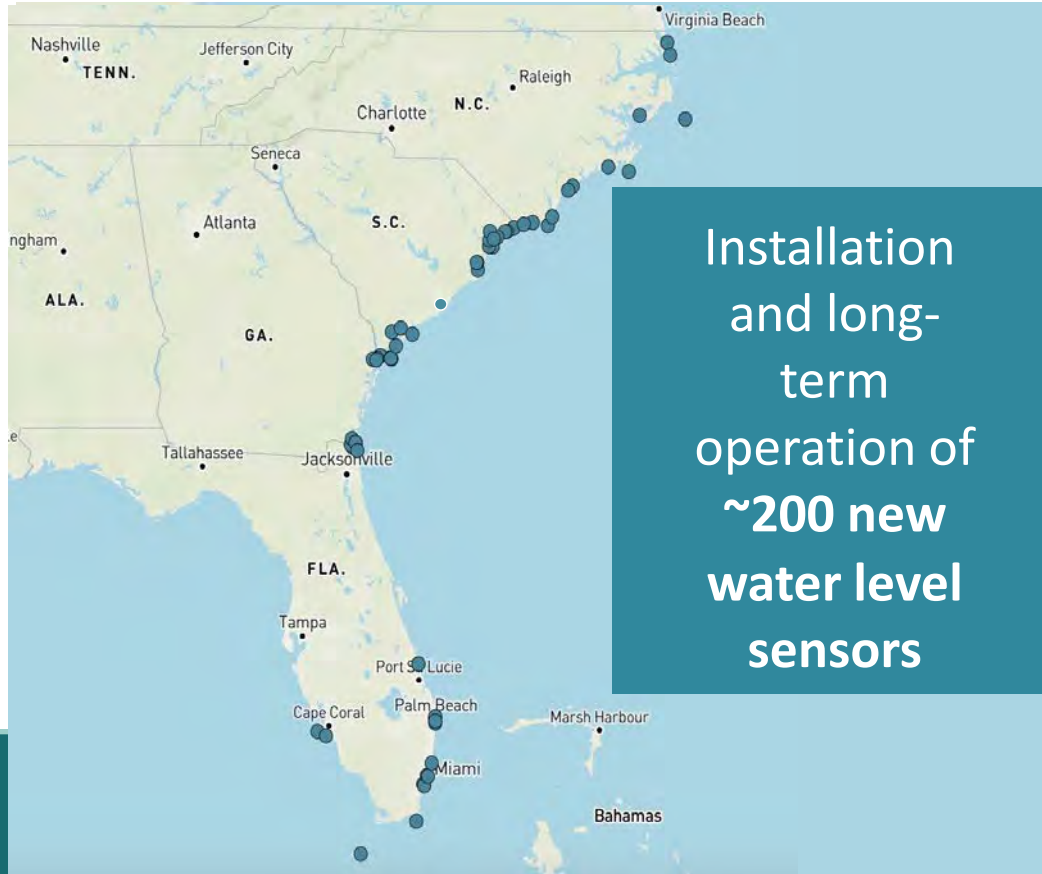
**Additional Layers**

- CO-OPS Stations
- NC FIMAN Stations
- River Gages
- Radar Imagery
- Tropical Cyclones

# Objective and location of stations

## Network Goals

- Provide real-time water level data at a scale to meet local needs
- Partner with stakeholders (decision-makers)
- Fill geographic data gaps
- Supplement local/state applications & alert systems



# Some of our Stakeholders



JENNETTE'S PIER  
NORTH CAROLINA AQUARIUMS



Fripp Island



oceanisle  
BEACH

SCHMIDT MARINE



TOWN of  
**DUCK**  
NORTH CAROLINA



THE CITY OF  
**MEXICO BEACH**



KIAWAH ISLAND

COMMUNITY

ASSOCIATION

SEABROOK ISLAND  
Property Owners Association



UNIVERSITY of  
**SOUTH FLORIDA**  
ST. PETERSBURG CAMPUS

Sea Grant  
S.C. SEA GRANT CONSORTIUM  
Coastal Science Serving South Carolina



Coastal Studies Institute  
A MULTI-INSTITUTIONAL RESEARCH PARTNERSHIP



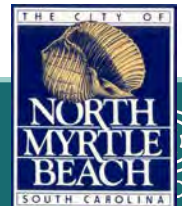
DeBordieu  
Colony

Captiva  
Community  
Panel



North Carolina  
Beach, Inlet and Waterway Association

SAVANNAH  
savannahga.gov



Georgia Tech

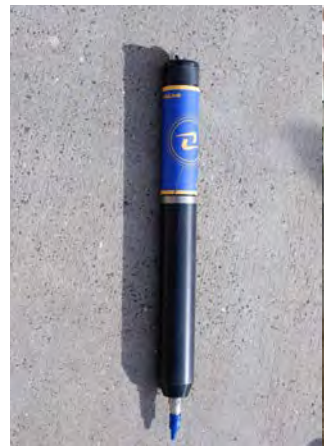


asbpa  
American Shore & Beach Preservation Association  
Advocating for healthy coastlines



Hohonu

FIU Sea Level Solutions Center  
FLORIDA INTERNATIONAL UNIVERSITY



FAU  
INSTITUTE FOR SENSING AND EMBEDDED NETWORK SYSTEMS ENGINEERING  
Division of Research  
Florida Atlantic University

CLOSE

# Hohonu

EX



## SECOORA

Southeast Coastal Ocean Observing Regional Association

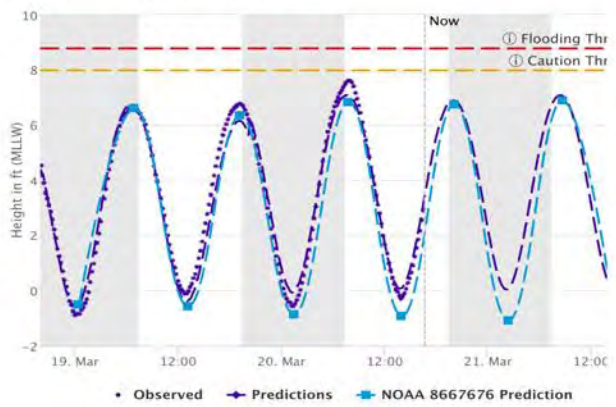
### Edisto Beach, SC

Last Observed: 2.91 feet

Last Updated: Mar 20, 4:36 PM EDT



Data Source: Latitude: Longitude:  
Hohonu 32.4937 -80.339



- 1-DAY
- 7-DAY
- 30-DAY
- 90-DAY

Beginning: 03/19/2023

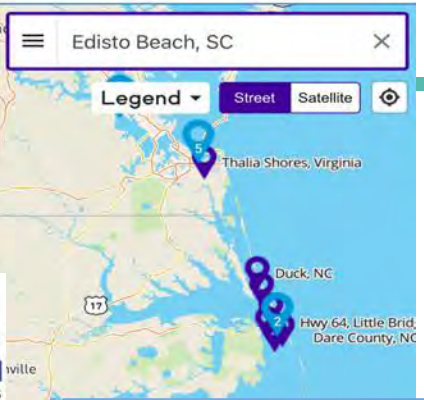
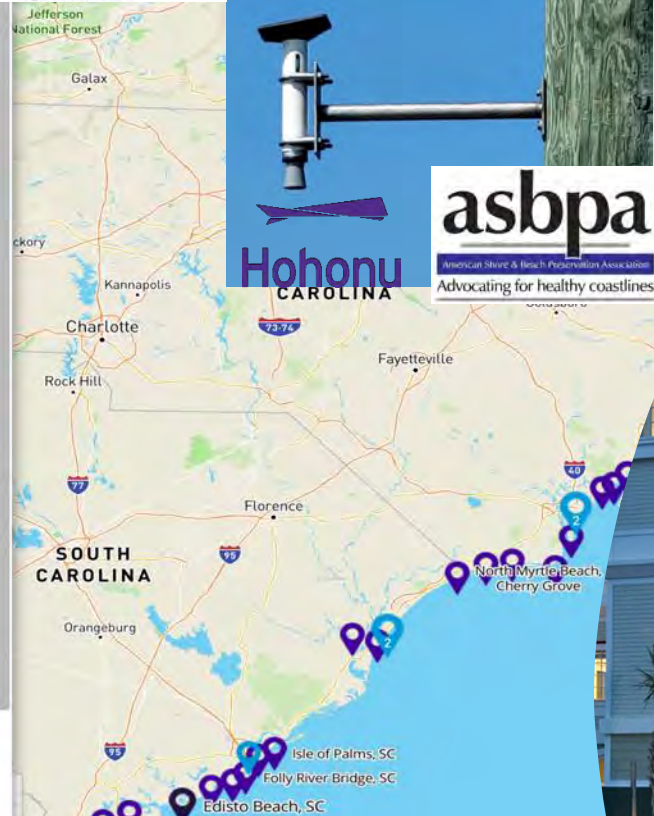
Ending: 03/21/2023

DATUM: MLLW

Timezone: Local (EDT)

Data Type: Raw Data

RESET PLOT



# Expansion Opportunities

A National Network of Local, Low-Cost Water Level Observations for U.S. Coastal Communities



## DO YOU NEED A TIDE GAUGE? TAKE OUR SURVEY!

**Survey Closed: April 14, 2023**



Results will help us advocate for your community's water level observing needs



Elko, N., Hernandez, D., and Yarincik, K., in press. U.S. Coastal Communities' Need for Water Level Observations, *Shore & Beach*, 91(3).

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