

Water Levels in the Southeast Workshop: Understanding Sensors, Tools, Products, and Gaps

June 13-15, 2023 | Jacksonville, FL | Agenda

About

Workshop and Hotel Location: All meetings and events will be held at the Aloft Jacksonville Tapestry Park, 4812 Deer Lake Drive West, Jacksonville, FL, 32246, (904) 998-4448

Workshop Purpose: Understand the variety of water level sensors in use, water level station locations, programs, and uses in the Southeast; learn about specific online data and stakeholder tools; and document priority locations for additional sensors.

Tuesday, June 13, 2023	
Time	Activity
12:30 - 1:00 PM	Welcome Coffee and Registration
1:00 - 1:30 PM	Opening Remarks and Introductions <ul style="list-style-type: none"> Laura Rear McLaughlin, NOAA Center for Operational Oceanographic Products and Services (CO-OPS) Jennifer Dorton, Southeast Coastal Ocean Observing Regional Association (SECOORA) Chris Ellis, NOAA Office for Coastal Management
1:30 - 2:30 PM	Water Level Programs Overview Outcome: Participants will receive an overview of agency/organization water level programs in the Southeast. <ul style="list-style-type: none"> NC Flood Inundation Mapping and Alert Network (FIMAN) – Gary Thompson, NC Department of Public Safety FL Department of Environmental Protection (FL DEP) – Rudolphe (Rudy) Konou, FL DEP SECOORA Southeast Water Level Network - Nicole Elko, American Shore & Beach Preservation Association Water Observing Systems Network - Athena Clark, U.S. Geological Survey (USGS) NOAA's Tides and Currents - Laura Rear McLaughlin, NOAA CO-OPS
2:30 - 2:45 PM	Coffee Break with Sponsors
2:45 - 3:15 PM	Lightning Talks: Demos of Equipment and Technical Procedures Outcome: Participants will learn about specific water level sensors and reasons the sensor was chosen, installation requirements, accuracy overview, and lessons learned. <ul style="list-style-type: none"> NC FIMAN – Gary Thompson, NC Department of Public Safety FL DEP – Rudolphe (Rudy) Konou, FL DEP

	<ul style="list-style-type: none"> • SECOORA Southeast Water Level Network - Brian Glazer, Hohonu Inc. • NOAA's Tides and Currents – Nathan Holcomb, NOAA CO-OPS • NOAA's Tides and Currents Low-Cost System - Laura Fiorentino, NOAA CO-OPS
3:15 - 3:25 PM	Coffee Break with Sponsors
3:25 - 4:25 PM	Breakout: Equipment Showcase Outcome: Participants will rotate around tables to view water level sensors and discuss sensor options with presenters.
4:30 – 5:00 PM	Reflections and Adjourn Outcome: Participants identify one thing they learned during the day. <ul style="list-style-type: none"> • Chris Ellis, NOAA Office for Coastal Management

Wednesday, June 14, 2023	
Time	Activity
8:15 - 8:30 AM	Welcome Coffee and Registration
8:30 - 8:45 AM	Agenda Review and Recap of Reflections from Previous Day <ul style="list-style-type: none"> • Chris Ellis, NOAA Office for Coastal Management
8:45 - 10:30 AM	Fireside Chat: The Nitty Gritty on Water Level Stations Outcome: Participants will learn about the decisions that go into sensor selection, deployment location, data requirements from stakeholders, etc. that ensure the provision of valuable water level data. <ul style="list-style-type: none"> • Gary Thompson, NC Department of Public Safety • Rudolphe (Rudy) Konou, FL DEP • Nicole Elko, American Shore & Beach Preservation Association • Russ Clark, Georgia Institute of Technology • Athena Clark, USGS • Jimmy Spore, NOAA CO-OPS
10:30 - 10:45 AM	Coffee Break with Sponsors
10:45 - 12:00 PM	Tools and Products I – Federal Resources Outcome: Participants will learn about some of the tools for processing, viewing, and understanding water level data. <ul style="list-style-type: none"> • NOAA Resources – David Walcott, NOAA CO-OPS, and Doug Marcy, NOAA CO-OPS • USGS Resources – Athena Clark, USGS
12:00 - 1:00 PM	Lunch (provided)

1:15 - 2:45 PM	Tools & Products II – Non-Federal Resources Outcome: Participants will learn about some of the tools for processing, viewing, and understanding water level data. <ul style="list-style-type: none"> • NC Flood Inundation Mapping and Alert Network (FIMAN) – Gary Thompson, NC Department of Public Safety • FL Department of Environmental Protection – Rudolphe (Rudy) Konou, FL DEP • SECOORA Southeast Water Level Network Quality Assurance and Quality Control Dashboard - Charlton Galvarino, Second Creek Consulting
2:45 - 3:00 PM	Coffee Break with Sponsors
3:00 - 3:45 PM	Breakout: Tools and Products Demonstrations Outcome: Participants will rotate around tables to explore water level data viewers and applications and talk to presenters.
3:45 - 4:15 PM	Reflections and Adjourn <ul style="list-style-type: none"> • Chris Ellis, NOAA Office for Coastal Management
5:30 - 7:30 PM	Social Sponsored by Hohonu (appetizers provided, cash bar) <ul style="list-style-type: none"> • Presentation by Hohonu

Thursday, June 15, 2023	
Time	Activity
8:15 - 8:30 AM	Welcome Coffee and Registration
8:30 - 9:00 AM	Recap of Reflections from Day 2 and Setting the Stage for Gaps, Priorities, and Struggles Breakout Session <ul style="list-style-type: none"> • Overview of Alaska Water Level Watch Buildout Tool - Laura Rear McLaughlin, NOAA CO-OPS • Water Level Stakeholder Survey Results - Jennifer Dorton, SECOORA • Breakout Session Logistics – Chris Ellis, NOAA Office for Coastal Management
9:00 - 9:05 AM	Coffee Break
9:05 - 10:35 AM	Breakout: Gaps, Priorities, and Struggles Outcome: Participants will breakout by state to prioritize gaps in water level data, identify training needs from sensor installation to data access, and discuss general issues and partnering opportunities. Breakout Groups: <ul style="list-style-type: none"> • Florida • South Carolina

	<ul style="list-style-type: none"> Georgia and North Carolina
10:35 - 10:50 AM	Coffee Break with Sponsors
10:50 - 11:45 AM	Report outs and Identifying Partnerships Outcome: Participants will understand the needs for each state and brainstorm opportunities to partner.
11:45 - 12:00 PM	Next Steps and Recommendations <ul style="list-style-type: none"> Chris Ellis, NOAA Office for Coastal Management