



Making Progress: Integrated Water Level Observation Network in Alaska

Day 1: Water Level Monitoring Technologies

Tuesday May 22, 9:00 AM-1:00 PM AKST

Location: Alaska Ocean Observing System conference room
[1007 W. 3rd Ave Suite 100, Anchorage, AK 99501](https://www.google.com/maps/place/1007+W+3rd+Ave+Suite+100,+Anchorage,+AK+99501)

Phone Line: 855-257-8693 participant code: 1846457

Webinar Access: <https://zoom.us/j/8444003752> (for audio, use phone or computer)

Time	Title	Presenter
8:30-9:00	Arrivals: Refreshments	
9:00-9:15	Introduction & Welcome	Jaci Overbeck Alaska Department of Natural Resources
9:15-9:30	2015-2018 Alaska Water Level Retrospective	Nic Kinsman NOAA NGS
9:30-9:45	Monitoring Ocean Water Level in Remote Shoreline Locations Using GPS Reflectometry	Geoff Crowley ASTRA, LLC
9:45-10:00	Geodetic Infrastructure to Support GPS Reflectometry	Ken Austin UNAVCO
10:00-10:15	Sensors Under Development for Rivers	Crane Johnson NWS Alaska, Pacific River Forecast Center
10:15-10:30	Break	
10:30-10:45	Alaska NWLON Infrastructure	Rob Loesch NOAA CO-OPS ED
10:45-11:00	CO-OPS Water Level Sensors in Development	Bob Heitsenrether NOAA CO-OPS ED OSTEP
11:00-11:30	Water Level Sensors in Use for Alaska Waters & Capabilities for Expanding	Nathan Wardwell JOA Surveys, LLC
11:30-11:45	Break: Lunch Provided	
11:45-1:00	Working Lunch Group Discussion	What are the current gaps in Alaska-capable water level sensing technology? Outstanding conversion tools or subsidiary data products? Where would particular sensing technologies work? (printed maps will be made available for this discussion)

Special thanks to the Alaska Ocean Observing System for providing lunch, refreshments, and facilities for this meeting



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Day 2: Stakeholder & Partner Engagement

Tuesday May 23, 9:00 AM-1:00 PM AKST

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Time	Title	Presenter
8:30-9:00	Arrivals: Refreshments	
9:00-9:10	Introduction & Welcome	Molly McCammon Alaska Ocean Observing Systems
9:10-9:20	Overview of Water Level Sensing Technologies (Day 1)	Jaci Overbeck Alaska Department of Natural Resources
9:20-9:45	AOOS/CO-OPS Alaska WL Partnership	Nic Kinsman & Will Koeppen NOAA NGS & Axiom Data Science, LLC
9:45-10:00	Using WLS: Storm Surge and Wind Wave Modeling	Joannes Westerink University of Notre Dame
10:00-10:15	Using WLS: Coastal Storm Impact Forecasting	Becki Heim Marine, Sea Ice, Tsunami & Coastal Hazards, NWS Alaska
10:15-10:30	Break	
10:30-10:45	Using WLS: Hydrographic Survey, VDatum, Shipping & Navigation	Bart Buesseler NOAA Office of Coast Survey
10:45-11:00	Using WLS: National Park Service	Joel Cusick and Tahzay Jones National Park Service
11:00-11:15	Using WLS: Coastal Engineering Projects	Ronald McPherson HDR, Inc.
11:15-11:30	Using WLS: Tsunami Warning Center	Michael Burgy NOAA Alaska Tsunami Warning Center
11:30-11:45	Break: Lunch Provided	
11:45-1:00	Working Lunch Group Discussion	What geographic areas are priorities for water level sensors and why? (printed maps will be made available for this discussion) Are there opportunities for funding or collaboration to improve water level sensing capacity in Alaska?

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