



As part of U.S. IOOS, NANOOS uses buoys to provide the public with real-time coastal weather and water data, including wind, temperature, and oxygen. But after many years of operation, buoy parts and sensors need replacement.

NANOOS serves the data on-line to tribes, agencies, fisheries managers, shellfish growers, mariners, and the public who use the data in myriad ways to sustain safety, livelihoods, recreation, culture, and health.

An ORCA buoy in Puget Sound, circa 2008

- The **Bipartisan Infrastructure Law of 2022** set aside funds to IOOS that NANOOS is using to replace aging observing asset parts and to assure continuation of these vital data streams used to assess safety and protect economic and ecological benefits from the sea.
- With these funds, buoys and gliders are being **revitalized and equipped with newer tech sensors**.



An ORCA buoy 15 years later in 2023, with years of grime, corrosion, and bird poop.

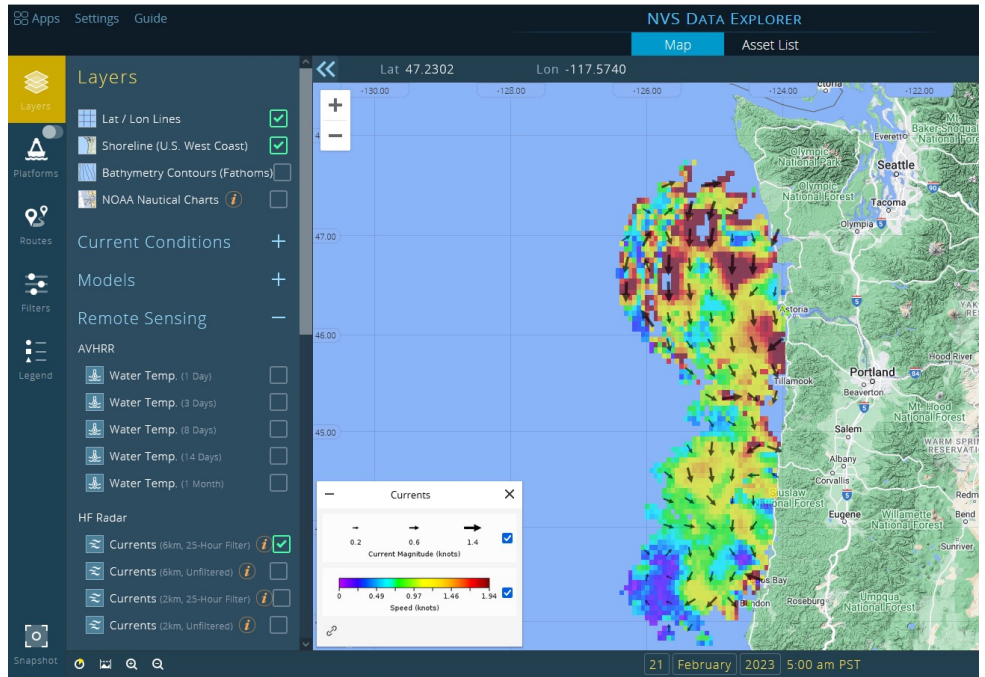


Vital buoy winch parts wear out due to being in a seawater environment 24x7x365.



Thanks to Congress' support of U.S IOOS, NANOOS has:

- Initial funds for addressing aging infrastructure
- Surface currents in Washington !
- Funds for HAB forecasting and preparedness



IOOS funds are extending surface current measurement northward, filling NANOOS' gap in Washington; one more to go!

Tribal and state resource managers have online access to the PNW HAB Bulletin and seasonal real-time measurements of toxin as part of the National HAB-Observing Network.

