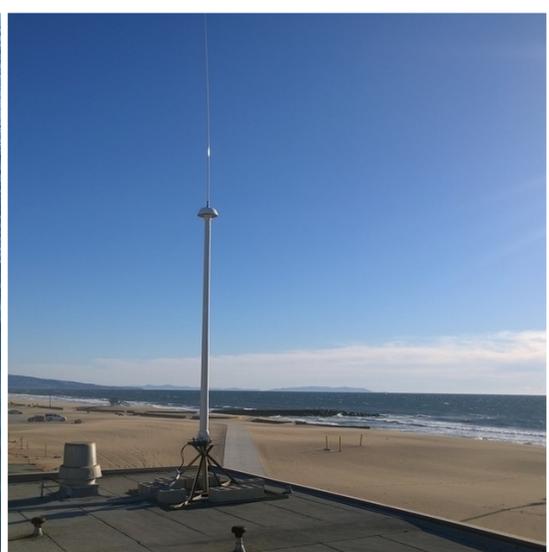


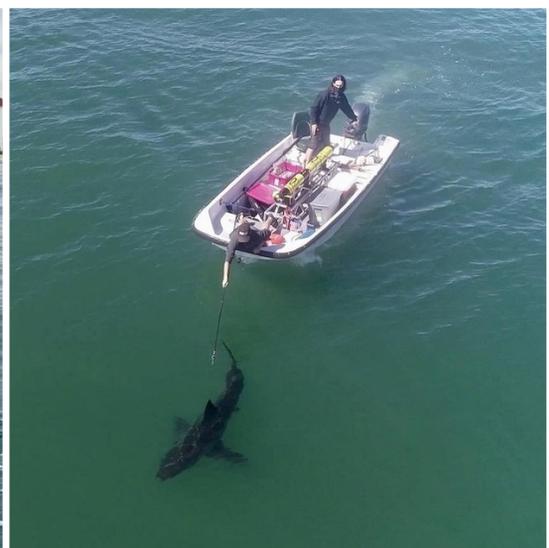
[NOAA Announced \\$14M to U.S. IOOS in Bilateral Infrastructure Law Funds](#)

Today [NOAA announced](#) an investment of \$14 million over two years through President Biden's Bilateral Infrastructure Law (BIL; formerly Infrastructure Investment and Jobs Act) for the U.S. Integrated Ocean Observing System (IOOS) to support improved and enhanced observing systems for the coasts, oceans, and Great Lakes of the United States. Of this, SCCOOS was awarded \$1,169,000 over two years.

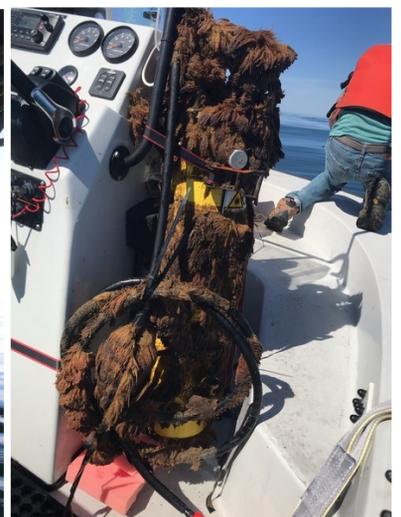
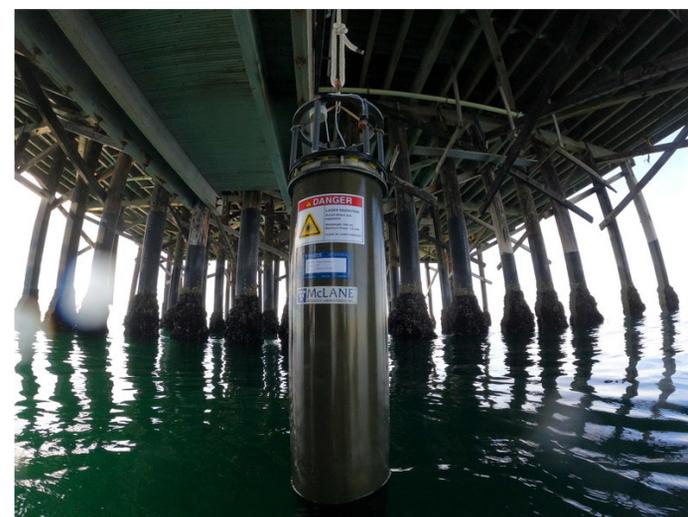


Recapitalization of the California Underwater Glider Network and the California Surface Current Mapping Network is critical to assure sustained observations in the coming years. To this end, SCCOOS is supporting Dan Rudnick (SIO), to build one Biogeochemical (BGC) Spray 2 glider per year over the next two years, and Ryan Walter (CalPoly SLO), Libe Washburn (UCSB), Matt Ragan (USC), and Eric Terril (SIO) to upgrade aging high-frequency radar (HFR) equipment and infrastructure at 11 sites. The BGC Spray 2 glider will include an extensive suite of sensors to measure physical, chemical, and biological variables. The image on the left is of the BGC Spray 2 glider deployed in April 2023 off La Jolla, CA and the image on the right is of the new dome antenna installed on the HFR at Dockweiler Beach.

SCCOOS has spent the last two decades building infrastructure for ocean observing that establishes robust platforms for geophysical parameters in the areas of surface current measurements, continuous observation of the ocean's interior with autonomous underwater vehicles, nearshore real-time measurements, and operational hydrodynamic forecasts. The BIL funding will recapitalize and modernize critical infrastructure that supports the [California Surface Current Mapping Network](#), [California Underwater Glider Network](#), [SCCOOS Automated Shore Stations](#), and the [California Harmful Algal Bloom Early Warning System](#). Additionally, in an effort to advance national priorities surrounding the Animal Telemetry Network and Marine Life monitoring and to meet regional stakeholder needs in Southern California, SCCOOS is supporting Chris Lowe at CSU Long Beach to add four additional real-time acoustic receiver buoys to track tagged white sharks as part of the Southern California Acoustic Telemetry Tracking Network.



SCCOOS awarded BIL funding will support Chris Lowe (CSULB) to build four new real-time acoustic receiver buoys at Torrey Pines, Redondo Beach, Little Corona, and Will Rogers Beach. The buoys provide lifeguards with real-time data SMS alerts on the presence of tagged sharks. The left image is of the low-profile, real-time Nexens CB-150 buoy deployed off Coronado Island and the right image is of a tagged white shark with an acoustic transmitter.



As a part of the California HAB Early Warning Alert System, SCCOOS and CeNCOOS help support a network of 12 real-time Imaging FlowCytobots (IFCBs; robotic microscopes) deployed at sentinel piers and moorings in California. The BIL funding will go towards hardening three of the IFCBs with customized housing to protect IFCBs from weather, waves, and vandalism as well as critical components for integrating the instruments into existing pier sensor configurations and data flows. The left image is of the IFCB deployed at Newport Beach Pier and the right image is the IFCB recovered from Del Mar mooring cloaked by biofouling.

Find regularly updated information about Funding, Events, Jobs, Student Opps, and more on the [SCCOOS website](#) and on [Twitter!](#)



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