

# SOUTHERN CALIFORNIA COASTAL OCEAN OBSERVING SYSTEM



APRIL 2014 NEWSLETTER

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## MARCH 2014 ACTIVITIES

Date	Activity
March 3	Bight 13 Marine Protected Area Workshop at SCCWRP in Costa Mesa
March 3-6	IOOS Association Spring Meeting and
March 11	Carlsbad Aquafarm Site Visit
March 12	Tijuana River National Estuarine Research Reserve Site Visit
March 14	National Weather Service Tsunami Readiness Webinar
March 18	NOAA FY15 Budget Briefing
March 19	Sharing Ocean Acidification Resources for Communicators and Educators
March 24/25	Sea Grant Extension and Fellows Workshop

## CARLSBAD AQUAFARM AND TRNERR SITE VISITS

In order to give Laura Lilly, the West Coast Ocean Observing Systems (OOSes) and the WCGA's Sea Grant Fellow, perspective of the people and places that interact directly and regularly with Ocean Acidification and Marine Debris; Julie Thomas, SCCOOS Executive Director, coordinated site visits to [Carlsbad Aquafarm](#) and [TRNERR](#).

Carlsbad Aquafarm, located in Carlsbad, is Southern California's only shellfish aquafarm that grows mussels, oysters, clams, abalone, and culinary seaweed since 1990. In 2013, Carlsbad Aquafarm (CA) became an industry partner with SCCOOS and is about to receive a T/pCO<sub>2</sub> analyzer that was developed by Burke Hales at Oregon State University in order to monitor waters to provide observations of potential OA events. During this tour we were delighted to learn about CA's research and development, operations, and challenges—all set amongst the most beautiful land/seascape. It was everyone's first time meeting Norm Abel, the owner/operator, whom is already closely involved with other shellfish growers. Dennis Peterson, the Director of Science, led our tour through his labs as well as a boat tour of the lagoon. It is truly a gift to get the opportunity to collaborate with such great people at such a unique place. Check out Laura's [blog](#) about this visit.



*Left to Right:* Dennis Peterson shows the group how shell irregularities result from pH fluctuations. Yui Takeshita, Todd Martz, and Dennis Peterson brainstorm where the analyzer will go. Dennis gave the group a boat tour of the facility. Carlsbad Aquafarm docks with shellfish stock in the background.

The Tijuana River Estuary is an expansive paradise of dune, beach, mesa, mudflat, salt marsh, riparian, and coastal sage scrub—and is filled with unbelievable views everywhere you look. Jeff Crooks, Research Coordinator, was generous with his time—giving us a thorough tour of the ENTIRE facility. Their research and monitoring programs gather useful information that is adapted for the protection and management of TRNERR and other estuaries. While their science-based education and outreach programs sustain long-term stewardship. We learned so much and are very grateful for such a great tour!



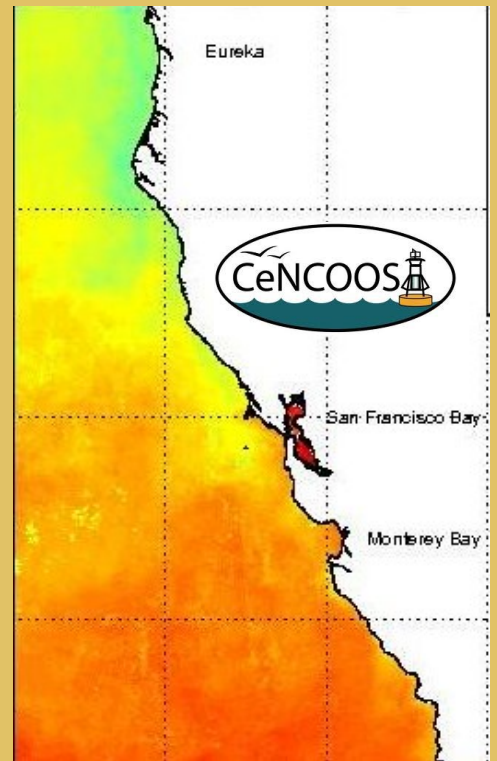
*Left to Right:* Laura Lilly, a Sea Grant Fellow, stands over the Tijuana River with the visitor center in the background. TRNERR's sediment basins, where an effort is made to slow/trap the flow of trash and sediment. Laura, Jeff Crooks, and Julie Thomas discuss feats and challenges at Friendship Park, which is just a stone's throw from the U.S./Mexico border.

## JOB ANNOUNCEMENT: CENCOOS PROGRAM DIRECTOR

Leslie Rosenfeld, CeNCOOS Program Director, announced her retirement for Fall 2014.

CeNCOOS (Central and Northern California Ocean System) is one of 11 national ocean observing associations established under the U.S. Integrated Ocean Observing Systems (U.S. IOOS®). The individual will utilize his or her leadership skills to engage in local, regional, state, federal and philanthropic organizations as financial partners in CeNCOOS development, and facilitate expansion of member collaboration opportunities and associated funding. The Program Director provides organizational leadership to expand operational capability. The Director oversees technical operations and spearheads data management, product, and communication initiatives.

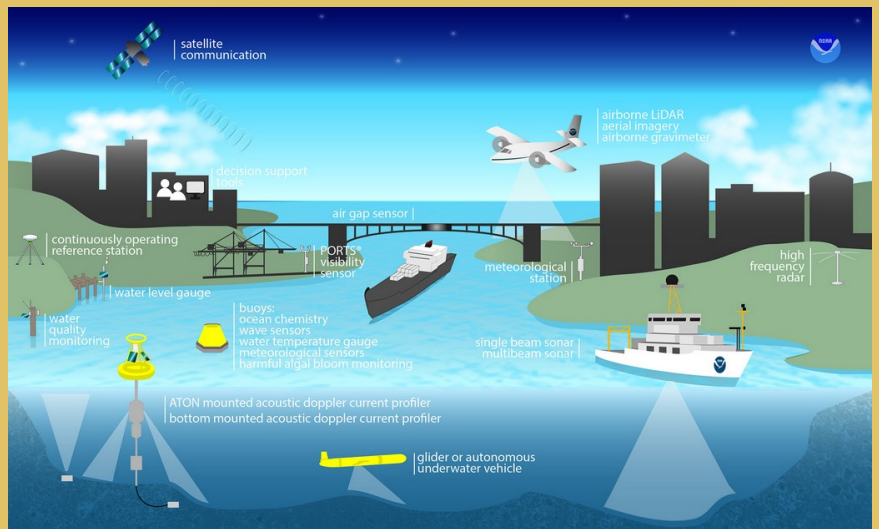
The CeNCOOS program is hosted by the Monterey Bay Aquarium Research Institute (MBARI) located in Moss Landing, California. The full announcement can be found [here](#).



## FUNDING OPPORTUNITY: COASTAL RESILIENCY

### NOAA/NOS FY 2014 Coastal Resilience Networks

The purpose of this notice is to solicit grant proposals from eligible organizations to implement activities that enhance resilience of coastal communities to natural hazard and climate risks through a local, regional, or national network. Proposals submitted in response to this announcement shall provide beneficial public outcomes for coastal



communities related to addressing existing and future risks to the natural environment, infrastructure, local economies, and vulnerable populations.

Proposals must also leverage, enhance, or create a human or technical network in which one or more coastal hazard issues can be addressed through partnerships to enhance communication, cooperation, coordination, and/or collaboration. Partnerships must include a range of partners from various institutions, disciplines, and sectors at the local, state, and federal level. You can find the full announcement [here](#).

# PROGRAM PROFILE: SCCOOS AVAILABLE SERVICES

SCCOOS works to collect, integrate, and deliver coastal and ocean observations in order to improve safety, enhance the economy, and protect the environment. The primary goal of SCCOOS is to provide the scientific data and information needed to inform decision-making and better understand the changing conditions of the coastal ocean in Southern California.

Data services that are available through the SCCOOS website are:

- [Grab Raw Data](#)
- [Advanced Mapping Applications](#)
- [KML Feeds](#)
- [HF Radar THREDDS Server](#)
- [SCCOOS THREDDS Server](#)

SCCOOS presently manages several different data types for the region, including HF Radar, pier-based sensors, HAB species, meteorological sensors and models, glider data, remote sensing data, and ocean/atmospheric nowcasts and forecasts.



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