

Integrated Ocean Observing Systems

across California's MPA Network



Photo: James R. Wilkinson

MPA Monitoring

California's Marine Protected Area (MPA) Network is approaching its first-ever 10-year review. California will lean heavily on its MPA monitoring program to show progress towards meeting the goals of the Marine Life Protection Act, the founding legislation of the MPA Network. Researchers and community scientists have been tracking California's marine ecosystems since MPA implementation, in some cases as far back as 2007. Learn more about this MPA monitoring program below and read the [full technical report](#) on California Sea Grant's website.

Program Overview

This project uses satellite data and other ocean observing systems to develop data products for analyzing relationships between large-scale oceanographic phenomena and conditions at MPA sites statewide. Researchers on this project are working with the other researchers conducting long-term MPA monitoring projects to integrate physical data (e.g., temperature, pH) with habitat data into data products referenced above. The research team created a new [California MPA Dashboard](#), which streamlines complex data to help researchers, managers, and decision makers assess MPAs from regional to statewide scales.

Partner Institutions

Monterey Bay Aquarium Research Institute, Scripps Institution of Oceanography, UC San Diego, UC Santa Cruz, Axiom Data Science, National Oceanic and Atmospheric Administration-Southwest Fisheries

Access all of
California's MPA data:
[California MPA
Monitoring Portal.](#)

Program Highlights

The California MPA Dashboard App

- creates a **curated** and **current** snapshot of ocean physics, biogeochemistry, biology, and ecology, and models **future** scenarios.
- incorporates environmental and biological data derived from **satellites** and **advanced remote sensing tools** like moorings, buoys, radar, and sensors.
- features **up-to-date** datasets to help resource managers make **informed decisions** based on a confluence of the latest research and historical data.

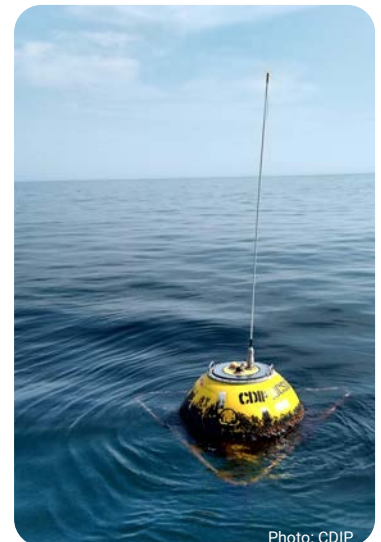


Photo: CDIP

