



FY2007: Regional Integrated Ocean Observing System Development

NOAA initiated a competitive funding process in 2007 to continue building capacity for regional ocean observing systems towards three long-term outcomes; establishing coordinated regional observing and data management infrastructure, developing applications and products for regional stakeholders, and establishing regional and national data management and communications protocols. These projects are contributing to these outcomes.

CENTRAL AND NORTHERN CALIFORNIA REGION

The Central and Northern California Region runs from the California/Oregon border south to Point Conception. The 2007 award to this region is for \$500,000.

Project Title:

A Regional System for Observations and Decision Support in Central and Northern California Bays and Coastal Waters

Recipient/ Lead Principal Investigator:

University of California at Davis, Bodega Marine Lab/ Dr. John Largier (jlargier@ucdavis.edu)

Cost:

Funded: \$500,000

Performance:

The project will develop the Central and Northern Coastal Ocean Observing System (CeNCOOS) in open and semi-enclosed bays in the region including San Francisco Bay, Monterey Bay, Bodega Bay, Humboldt Bay, and Morro Bay. The focus will be on water temperature and salinity and relating these changing conditions to ecosystem and human health. This effort will link with state-sponsored HF-radar mapping of surface currents and numerical modeling of San Francisco and Monterey Bays and also the Gulf of Farallones. The temperature and salinity data will be the basis of specific decision-support indices directed toward harmful algal blooms, contamination, and integrated ecosystem assessment.

Schedule:

1. Operate a core of observing elements.
 - Inventory existing observations.
 - Fully develop plan for sustaining existing observations in area Bays.
 - Maintain existing assets for water temperature and salinity observations.
2. Establish working group to assess the use of water type information in managing HAB and contaminant events, identify products, and begin development.
 - Conduct user workshop.
 - Develop temperature- and salinity-based indicators.

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