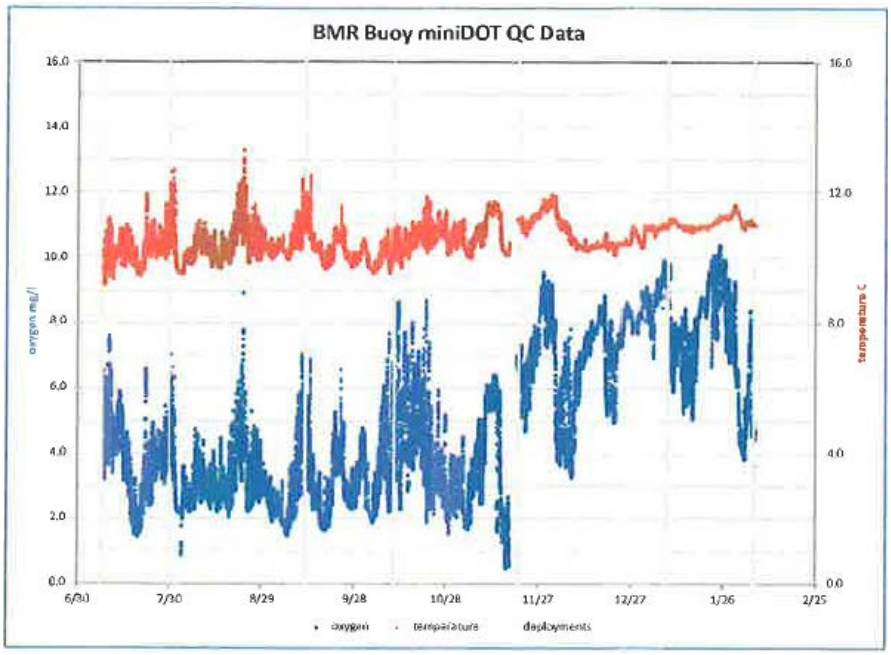
Supplemental Environmental Project (SEP) Report Card		UC Davis, Bodega Marine Lab Dissolved Oxygen Sensors
Regional Water Board	Region 1 - North Coast	**OUTCOMES:** ☒ Satisfactory ☐ Unsatisfactory
Total Project Cost	$9,297	
SEP Funding	$3,000	
Approval Date	10/23/2013	
Project Category	Pollution Reduction (Monitoring)	

Summary

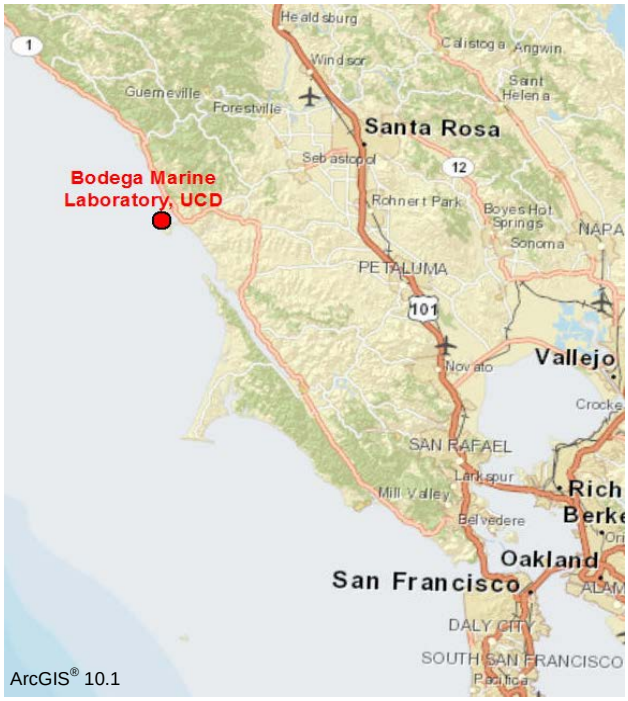
The UC Davis Bodega Marine Laboratory (BML) purchased and installed two miniDOT sensors to monitor dissolved oxygen (DO) at a depth of 30 meters below the ocean surface near the shore environment of the Sonoma coast. Before this project was implemented the old sensor monitored DO at only one meter below the ocean surface.

The main goal of placing the new sensors at greater depth is to document trends in oxygen depletion, or hypoxia, that are associated with ocean acidification and harmful algal blooms. Data from sensors are maintained in an Excel spreadsheet and are periodically graphed to the BML website.

Temperature (Celsius) vs Dissolved Oxygen (mg/L) (Measured at 30 meters depth)



Location Map



UC Davis Bodega Marine Laboratory

Water Quality Outcomes

- Several months of DO data have been posted on the BML website for public view.
- DO data will need to be measured for at least 2 years before the it can be correlated to upwelling, temperature, pH, algal blooms, or other physical and biological parameters.
- With 2 years of data UC Davis researchers can help the living conditions of marine life.