Current Objectives

• Objective 1: Enforce Pollution Controls
• Objective 2: Innovation
• Objective 3: Once-through Cooling
• Objective 4: Water Quality Testing
• Objective 5: Marine Debris
• Objective 6: Vessel Pollution
Data and Monitoring

Done largely in conjunction with NOAA and work with the Sea Grant Program at the University of Southern California
USC Sea Grant
Water Quality Research Projects

• Contaminant Stressor Response in *Mytilus*
• High Resolution Remote Sensing of Coastal Discharge Plumes
• Maternal offloading of Accumulated Organochlorine Contaminants
• Evaluating the Impact of the Clean Water Act on Coastal Waters
• Impacts of Algal Toxin on Species Composition of Coastal Plankton Communities
• Environmental Endocrine Disruption in Urban Ocean Fish Mechanisms, Causes, Wider Impacts
• Proteomics To Develop Relevant Phenotypic Biomarkers Of Environmental Impacts In Wild Marine Fishes Of Southern California
• Quantifying Contaminants of Emerging Concern
• The Copper Problem in California Marinas
• Impacts of Algal Toxin on Species Composition of Coastal Plankton Communities
• The Effects Of Urban Stormwater Runoff On Phytoplankton Dynamics In Santa Monica Bay
Outreach on Water Quality

• Coordinator of the California Water and Land Use Partnership (CA WaLUP)
  – The mission of CA WALUP is to protect natural resources by providing technical information and practical tools for informed land use decision-making at the local level.

• Sponsor and/or organize workshops on hydromodification and low impact development
Partnerships

• Southern California Coastal Water Research Project (SCCWRP)
• National Nonpoint Education for Municipal Officials (NEMO) Network
• Los Angeles And San Gabriel Watershed Council
• California Coastal Commission
• City of Los Angeles
Water Quality Data Needs

• Reliable and timely WQ data for development of outreach materials for public on health of coastal waters
• Ability to link researchers with reliable water quality monitoring data for research and modeling efforts
White House Executive Order
July 19, 2020

Work with the newly established National Ocean Council to implement the items outlined in President Obama’s Executive Order:

“Stewardship of the Ocean, our Coasts, and the Great Lakes”