

An aerial photograph of the Santa Monica coastline, showing the ocean, a sandy beach, and a city with various buildings. The sky is filled with soft, white clouds. The text is overlaid in a bold, blue, sans-serif font.

# **Santa Monica Bay NEP – SMBRC Annual Work Plan Update**

**SMBRC Governing Board Meeting**

**April 21, 2016**

# Core Functions of SMBRC

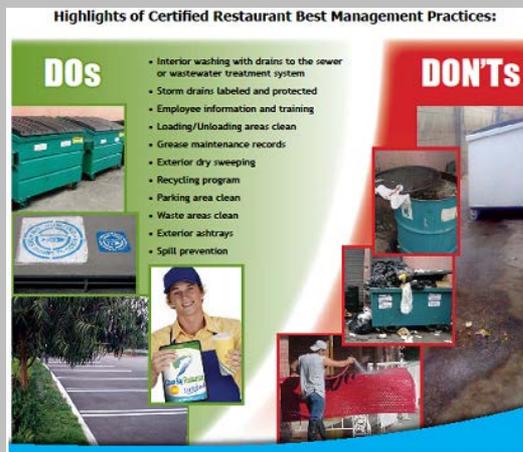
- Facilitation
- Implementation
- Management



# Program Area

## Water Resources and Quality Improvement

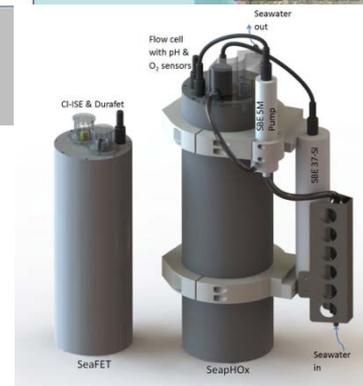
- Facilitate TMDL and MS4 permit implementation
- Promote Integrated Regional Water Management
- Implement green infrastructure and LID projects in targeted watersheds (Prop. 50&84)
- Implement pollution prevention and source control through Restaurant Certification etc.



# Program Area

## Climate Change Impacts Assessment

- Regional AdaptLA Project
  - Partnership of USC Sea Grant, LARC, SMBRC, Heal the Bay, coastal cities and others
  - Model and assess coastal exposure to sea level rise and storm surge
  - Identify vulnerable communities, assets, and ecosystems
  - Help coastal communities begin adaptation planning
- Bay Restoration Plan Vulnerability Assessment
- Ocean Acidification Research and Monitoring – Installation of high-precision pH and pCO<sub>2</sub> sensors



# Program Area

## Wetland and Coastal Habitat Restoration

- Facilitate restoration of priority wetlands
  - Assist Ballona Wetlands restoration planning and monitoring
  - Carry out post restoration monitoring of Malibu Lagoon.
- Restore coastal streams
- Arroyo Sequit fish barrier removal
- Survey and control invasive species
  - Mudsnailes, crayfish



# Program Area

## Marine Habitat Protection and Restoration

- Support MPA management, monitoring, and enforcement
- Restore and enhance rocky reef/kelp restoration
- Restore coastal dune and bluff habitats



# Program Area

## Education and Outreach

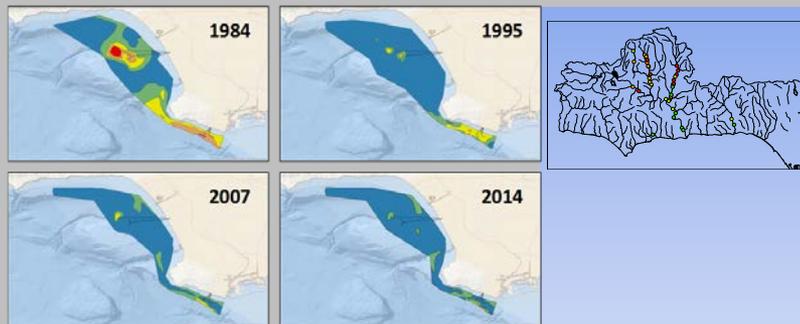
- Conduct general outreach (publications, social media, press media, Coastal Cleanup Day, and internship program)
- Continue boater education and outreach
- Raise funds and initiate new round of PIE program
- Participate in PV Shelf seafood risk communication



# Program Area

## Planning, Monitoring, and Research

- Explore new funding sources
- Build new and enhance existing partnerships and coordination with agencies and stakeholder organizations
- Comprehensive Bay monitoring
- Track and report on the State of the Bay and BRP implementation progress



Area coverage in percentage				Benthic Response Index (BRI) Threshold Intervals	
1984	1995	2007	2014	Color	Interval / Description
1.6%	0.0%	0.0%	0.0%	Red	>=72 Defaunation
7.9%	0.2%	0.0%	0.0%	Orange	44-71 Loss of community function
13.7%	5.1%	1.5%	0.4%	Yellow	34-43 Loss of biodiversity
28.0%	6.1%	13.4%	12.1%	Green	26-33 Marginal deviation from reference
50.7%	88.7%	85.1%	87.2%	Blue	<=25 Reference conditions

Ta Moirica Mountains

Habitat	Extent	Vulnerability	Structure & Disturbance	Biological Response
Freshwater Aquatic Habitat	[Green to Yellow gradient]			
Coastal Wetlands and Lagoons	[Green to Yellow gradient] →	[Green to Yellow gradient]	[Green to Yellow gradient] →	[Green to Yellow gradient]
Beaches and Dunes	[Green to Yellow gradient]	[Green to Yellow gradient] □	[Green to Yellow gradient] → □	[Green to Yellow gradient] ← □
Rocky Intertidal Habitat	[Green to Yellow gradient] □	[Green to Yellow gradient] ← □	[Green to Yellow gradient] ← □	[Green to Yellow gradient] □
Rocky Reef Habitat	[Green to Yellow gradient] → □	[Green to Yellow gradient] ← □	[Green to Yellow gradient] → □	[Green to Yellow gradient]
Soft Bottom Benthos	[Green to Yellow gradient] □	[Green to Yellow gradient]	[Green to Yellow gradient] → □	[Green to Yellow gradient] □
Coastal Pelagic Habitat	[Green to Yellow gradient] → □	[Green to Yellow gradient] □	[Green to Yellow gradient] □	[Green to Yellow gradient] ← □

What's our Plan for FY 2016 -17?

We want to hear from you!