

Port of San Diego
**Understanding Conditions
in San Diego Bay**

Karen Holman
Principal, Planning & Green Port
Port of San Diego
Regional Board Meeting, October 2016

The Port's Trustee Role

- 1962 Port Act
- Created to benefit the public
- Core purposes
 - Commerce
 - Navigation
 - Fisheries
 - Recreation
 - Protect & Enhance Natural Resources
- Environmental Steward of the Bay

Common Themes



Natural Resource Protection

Recreational Uses



Aquaculture



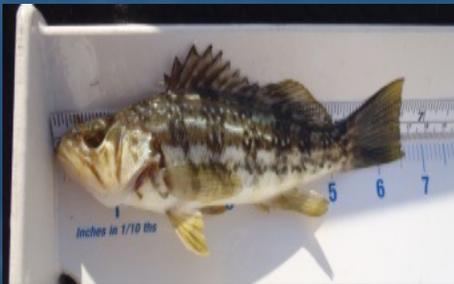
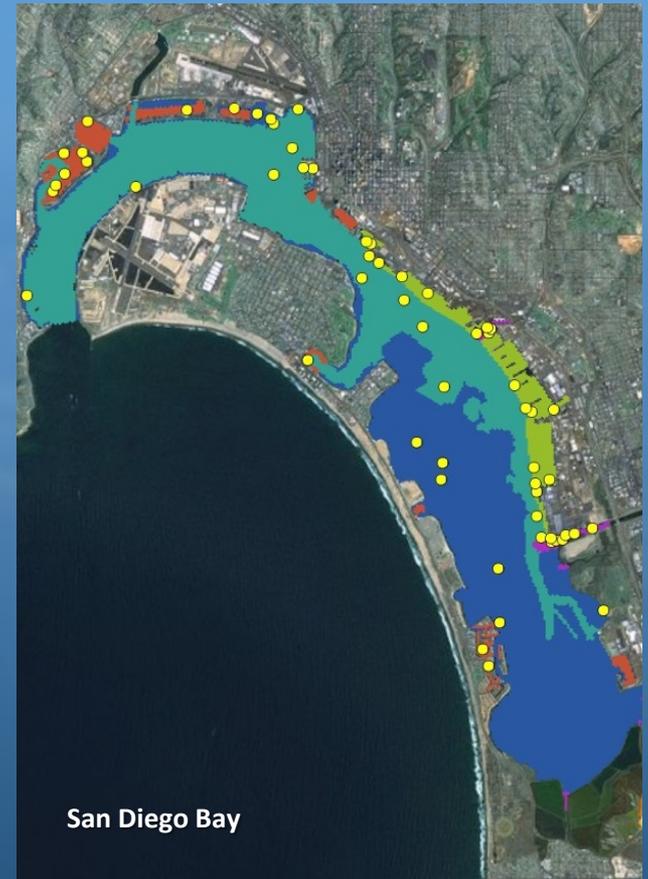
Regional Harbor Monitoring Program

- Current long term monitoring program
- Question-driven approach
 1. What are the contributions and spatial distributions of inputs of pollutants to harbors?
 2. Do the waters and sediments in the harbors sustain healthy biota?
 3. What are the long-term trends in each harbor?
- Robust long-term data set
 - Water
 - Sediments
 - Fish & Invertebrates
 - Toxicity Assessments



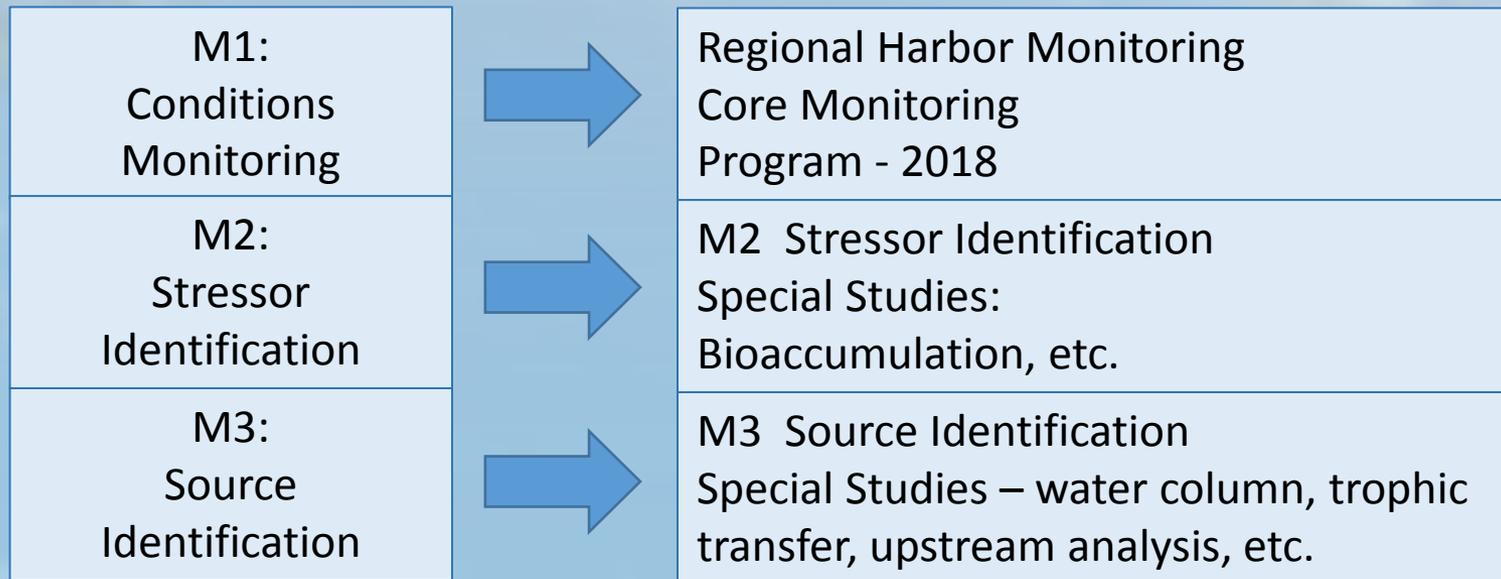
Regional Harbor Monitoring Program

- 2016 RHMP Final Report
 - Sampling coordinated with Bight
 - 59 sampling sites
- Bioaccumulation Special Study



Unified Monitoring Approach

- Supports San Diego Bay Strategy Vision
 - Coordinated monitoring efforts
 - Collaboration & Partnerships
- Include other permittees
- Using the Monitoring Framework



Reducing Bacteria at Beaches

- Bacteria is San Diego Bay Watershed WQIP Priority
- Focused sampling at Tidelands Park and Shelter Island
 - Wet weather and storm drains
 - Microbial Source Tracking
- Port sampling supports AB411 monitoring



Reducing Bacteria at Beaches

- Implementation Efforts
 - Frequent Trash Pickup
 - Pet Waste Bag Dispensers
 - Public outreach & Community Engagement
 - “No Feeding” Signage



Preventing Contaminants in Fish Tissue

- Baywide COCs: PCBs and Mercury
- Cleanups need to address baywide issues
 - Stop trophic transfer of pollutants
 - Minimize risk to ecosystems and humans
 - Permanent removal of contamination
 - Consider long-term vision when developing cleanups
- Eliminate legacy areas of pollution
- Eliminate ongoing pollution sources

GUIDE TO EATING FISH FROM SAN DIEGO BAY

Eating fish can be part of a healthy diet. However, fish from San Diego Bay may contain levels of PCBs and/or mercury that can be harmful. Please follow these guidelines when considering eating fish caught in the bay.

Consumir pescado puede ser parte de una dieta saludable. Sin embargo, el pescado de la bahía de San Diego puede contener niveles de PCB o mercurio que pueden resultar dañinos. Siga estas pautas cuando considere consumir pescado en la bahía.

Ang pagkain ng isda ay maaring maging bahagi ng malusog na diyeta. Gayunman, ang isdang galing sa San Diego Bay ay maaring may lamang mga antas ng PCB at/o mercury na maaring nakasasama. Mangyaring sundin ang mga patrubay na ito kapag isinasalang-alang ang pagkain ng isdang nahuli sa bay.

Ăn cá có thể là một phần trong chế độ ăn uống lành mạnh. Tuy nhiên, cá từ Vịnh San Diego có thể chứa hàm lượng PCB và hoặc thủy ngân có thể gây hại. Vui lòng tuân theo những hướng dẫn này khi cân nhắc việc ăn cá đánh bắt ở vịnh.

Women age 18-45 and children age 1-17			Women over 45 and men		
Up to 2 servings per week	1 serving per week	DO NOT EAT	Up to 2 servings per week	1 serving per week	DO NOT EAT
 Diamond Turbot  Spotted Turbot  Black Perch Pile Surfperch Rainbow Seaperch  California Lizardfish	 Pacific Chub Mackerel  Round Stingray  Shovelnose Guitarfish	 Shiner Perch  Topsmelt  Spotted Sand Bass  Barred Sand Bass  Yellowfin Croaker  Leopard Shark  Gray Smoothhound Shark	 Diamond Turbot  Spotted Turbot  Black Perch Pile Surfperch Rainbow Seaperch  California Lizardfish	 Spotted Sand Bass  Barred Sand Bass  Yellowfin Croaker  Pacific Chub Mackerel  Round Stingray  Leopard Shark  Gray Smoothhound Shark	 Shiner Perch  Topsmelt



Adults Children

The recommended serving is the size and thickness of your hand. Give children smaller servings.

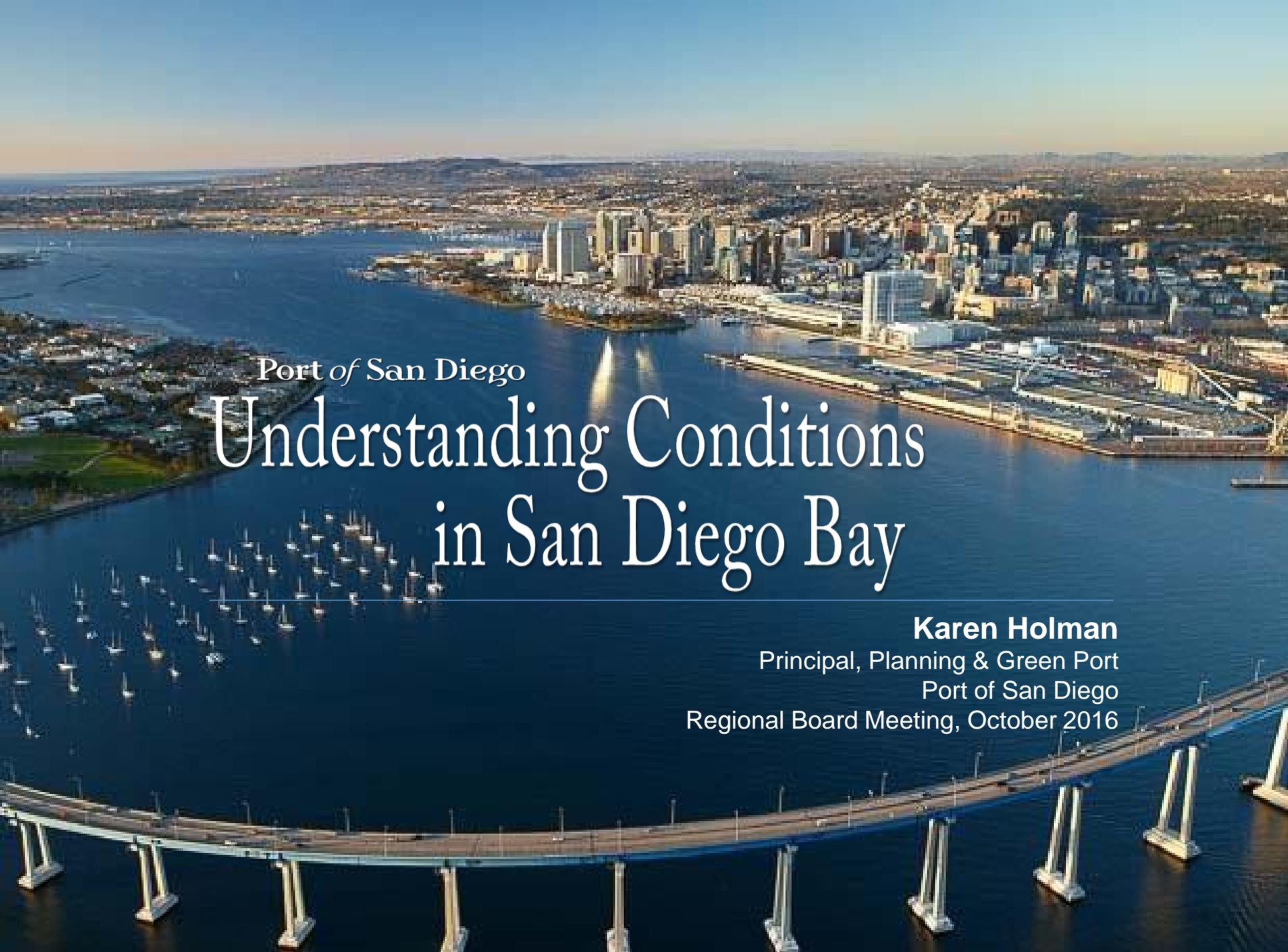
FOR MORE INFORMATION CONTACT:
 CALIFORNIA OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT
www.oehha.ca.gov/fish.html • (916) 327-7319 or fish@oehha.ca.gov



Achieving a Healthy Bay & Ecosystems



- Shared vision – clean water
 - Supports both agencies' missions
- Tracking Progress
 - Unified Monitoring
- Effective Program Implementation
 - Goal-driven programs
- Public Engagement
 - Education / Outreach
 - Partnerships



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