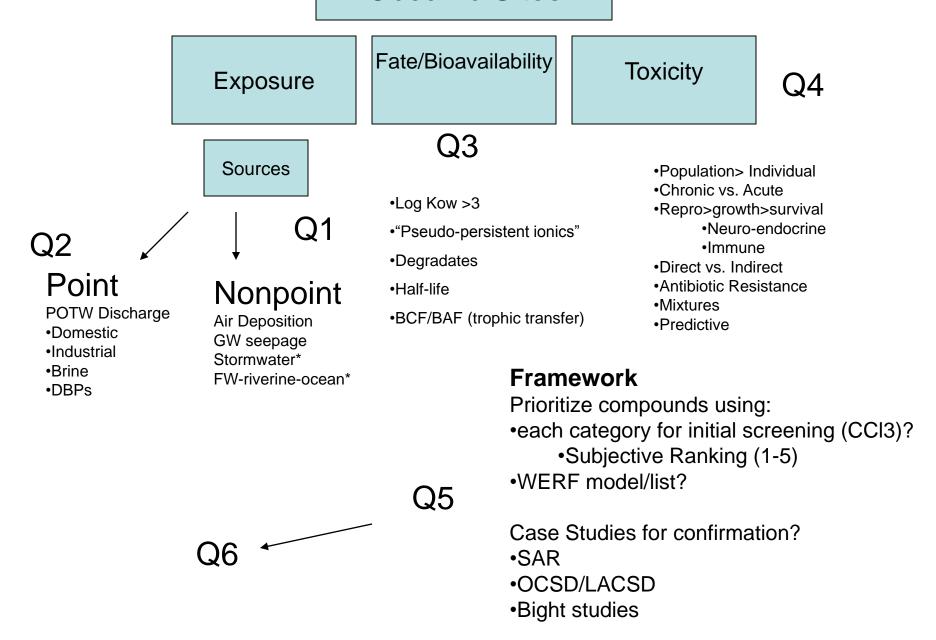
# State of California Constituents of Emerging Concern Coastal and Marine Ecosystems Science Advisory Panel

**Panel Report Out** 

**Meeting #2** 

September 30 – October 1, 2010 Costa Mesa, CA

### Oceanic Sites



# SCHEDULE

- Two-year project to be completed Summer 2011
- Meeting #1: Jan 2010
  - Defining/refining the charge
  - Perspectives of interested parties
  - Identify short term data gaps
- Meeting #2: Summer 2010
  - Working meeting to address charge questions
- Meeting #3: Winter 2011
  - Present preliminary findings
  - Outline draft report
- Meeting #4: Spring 2011
  - Complete draft report for public comments

## PANEL OBSERVATIONS & OBJECTIVES

- Charge questions are broad, complex and require a wealth of data to address definitively
- Schedule is very aggressive; allocated resources are finite and time available of panel members is limited
- Focus on CECs in wastewater and stormwater
- Panel will strive to
  - Define a framework/process to address all charge questions
  - Apply the framework using existing, up to date information
  - Make recommendations to improve framework and fill data gaps

### **CONCEPTUAL APPROACH**

- Adopt risk-based framework developed by panel for recycled water applications
- Utilize existing wastewater effluent database(s)
- Build upon existing stormwater information
  - supplement with second round of data collection
- Distinguish between direct (dissolved) & indirect (particle reactive) exposure in fate and effects sub-models
- Identify appropriate (coastal/marine) eco-receptors, endpoints & tools

### **COLLABORATION WITH WERF**

- Incorporate biological effects concept
- Co-identify key data gaps
- Data exchange & prioritization
  - CEC occurrence in wastewater effluents
    - Panel interest in meta data for TOrC project database
      - California specific data
      - Stormwater data separation?
      - 90th percentile calculations
      - Analytical Method used (GCMS vs. LCMS; MS vs. MS/MS)
        - » Isotope Dilution?
  - Toxicity thresholds
- Continued communication
  - Share draft reports
  - Exchange input on future directions