

**SOUTHERN CALIFORNIA COASTAL WATER
RESEARCH PROJECT**

**Commissioner Technical Advisory Group
(CTAG) Report**

DECEMBER 4, 2015

Greg Gearheart, CTAG Chair



CTAG Agenda – November 12, 2015

- Midterm Succession Procedures for CTAG Leadership
- Executive Director's Report
- Capturing Historical Data
- Microbiology Research Summary
- Ten-year Research Plans
- Toxicity Intercalibration Study
- Contract Review
- New Projects
- Ecohydrology Research Preview

Midterm Succession Procedures for CTAG Leadership Team

- Position to reside with “individual” versus “organization”
- CTAG to hold an election to replace departed individual
- Remaining members to serve remainder of their terms to which they would have normally ascended
- Greg Gearheart (SWRCB) was elected to Chair and will serve in this position for the remainder of 2015 and all of 2016
- Paul Alva (LA Co. Flood) is the new Vice Chair

Capturing Historical Data

- Mike Mengel (OCSD) presented workgroup status report
- Over 20 different data types (broad categories)
- CTAG prioritized the list as follows:
 - POTW sector (benthos, trawls, and bioaccumulation)
 - Stormwater sector (dissolved oxygen, and stream flow)



Microbial Water Quality Research

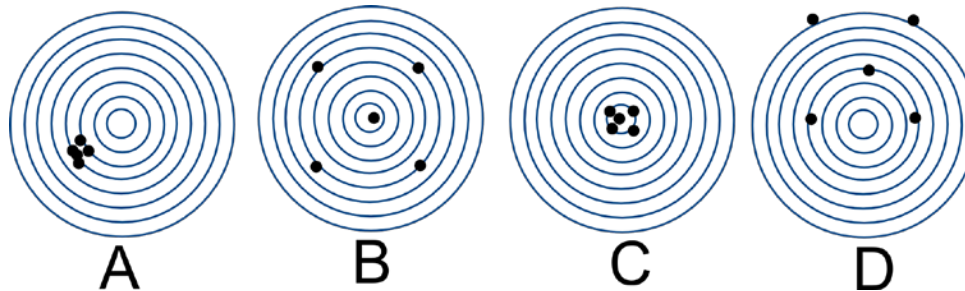
- Intersessional workshop held October 8, 2015 led by Terry Fleming (USEPA)
- Five (5) research priorities (ranked):
 1. Exposure Assessment – John Griffith to summarize
 2. Risk Assessment – QMRA
 3. Technology Transfer – Intercalibration and new methods w/ SMC
 4. Causal Assessment – Mothers Beach QMRA
 5. Treatment Effectiveness – POTWs and SMC both interested

Ten Year Research Plans

- CTAG reviewed and discussed the candidate, new format plans (10, 20 and 25 page formats)
- CTAG liked 20 page format/length best but encouraged SCCWRP staff to aim for a 10 page length
- Wetlands Research theme not supported by all of CTAG
- Climate Change Research theme was supported

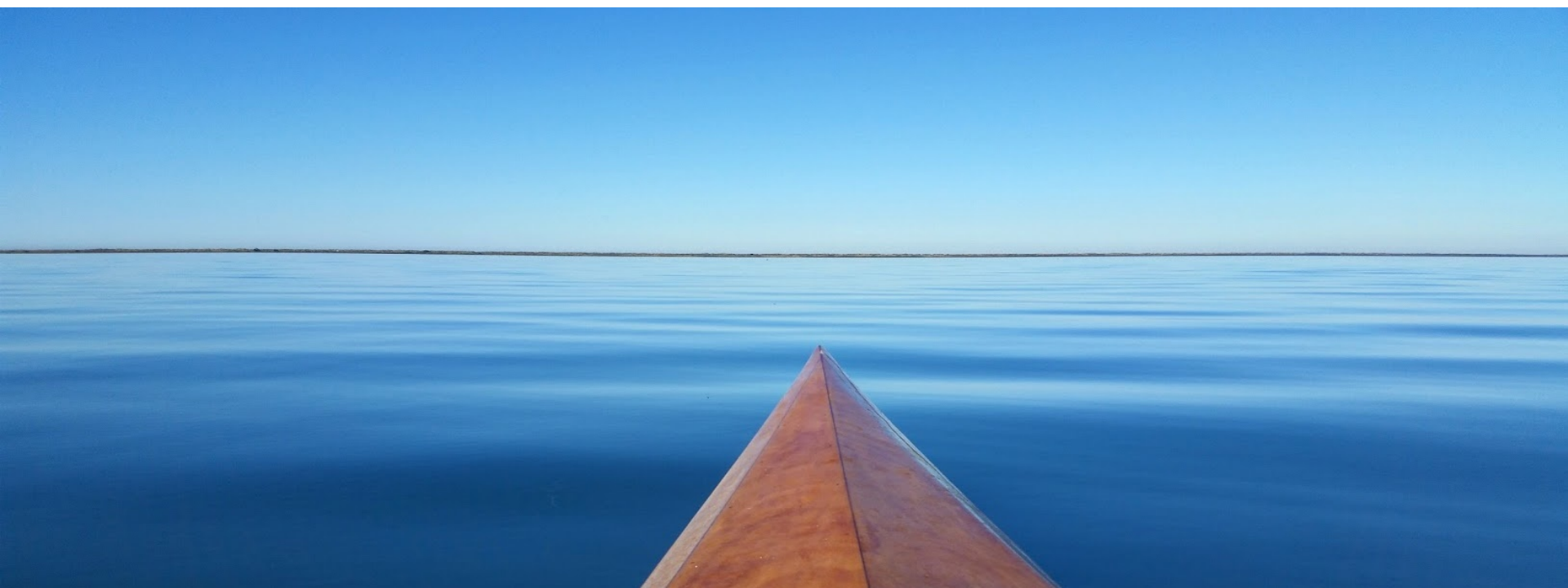
Toxicity Intercalibration Project

- SCCWRP staff presented results of SMC-driven toxicity intercalibration study
- Significant variability among the 10 laboratories participating
- All laboratories agreed to perform another study with emphasis up front on consistent procedures



Contract Review

- Four new contracts, only one over \$250K
- CTAG recommends the Commission approve all contracts



New Projects

- Stein: “Hydrologic and Geomorphic Changes to Southern California Estuaries and Lagoons during Episodic Events Associated With the 2015-2016 El Niño: Insight to Potential Future Response to Sea Level Rise”
- Mehinto: “Linkage Across Biological Scales: An Estuarine Model for Ecological Impact of Endocrine Disrupting Chemicals”



Ecohydrology Research Preview

- Stein: “Ecohydrology Research Vision”
- Mazor: “Developing Flow Objectives for Protecting Aquatic Life: Exploring the Ecological Limits of Hydrologic Alteration (ELOHA) for Southern California”
- Sengupta: “Environmental Offsets: Lessons Learned from an Australian Case Study”
- Stein: “Development and Implementation of Hydromodification Management”
- Sheri McPherson (County of SD): “Ecohydrology: San Diego Regional Stormwater Permit Perspective”
- Date of intersessional workshop TBD

Questions?

Greg Gearheart (CTAG Chair)

Deputy Director, Office of Information Management and Analysis
CA State Water Board

Greg.Gearheart@waterboards.ca.gov / (916) 341-5892

