

**SOUTHERN CALIFORNIA COASTAL WATER  
RESEARCH PROJECT**

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

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**JUNE 3, 2016**

Greg Gearheart, CTAG Chair



# CTAG Agenda – May 5, 2016

- Executive Director's Report
- Contract Review - New Projects (4 of them)
- Research Plan Format(s)
- Coastal and Estuarine Nutrient Research Summary
- Toxicity Intercalibration Study
- Report from OAH Panel
- Next Research Theme – Regulatory Program Effectiveness and Evaluation
- Bacteriophage Criteria
- Harmful Algal Bloom Efforts
- Systems Based Adaptive Framework for Ecohydrology

# New Projects

- Spatial Representativeness of Bioassessment Data in Streams (Rafi Mazor, SCCWRP)
- Cost Benefit Analysis for Wet Weather Bacteria in San Diego (Steve Weisberg, SCCWRP)
- Incorporation of Molecular Methods for Algal Assessment (Susanna Theroux, SCCWRP)
- Assessing Pteropod Abundance and Condition in Southern California (Karen McLaughlin, SCCWRP)

# Coastal and Estuarine Nutrient Research

- Intersessional workshop held May 4, 2016 led by Steve Weisberg (SCCWRP) and Greg Gearheart (SWRCB)
- Four research priorities :
  1. Condition Assessment Tools
  2. Causal Assessment and Management Tools
  3. Interpretation Assistance
  4. Implementation Support

# Toxicity Intercalibration Study

- Pre-bid project for the Stormwater Monitoring Coalition (SMC)
- Purpose – compare results across multiple laboratories intending to participate in the next round of SMC toxicity monitoring and develop a laboratory guidance manual
- Two rounds of testing resulted in:
  - Marine methods acceptable after round 1
  - Freshwater methods showed significant improvement for one species (*Hyalloa Azteca*) and for the other species (*Ceriodaphnia*) more work is needed

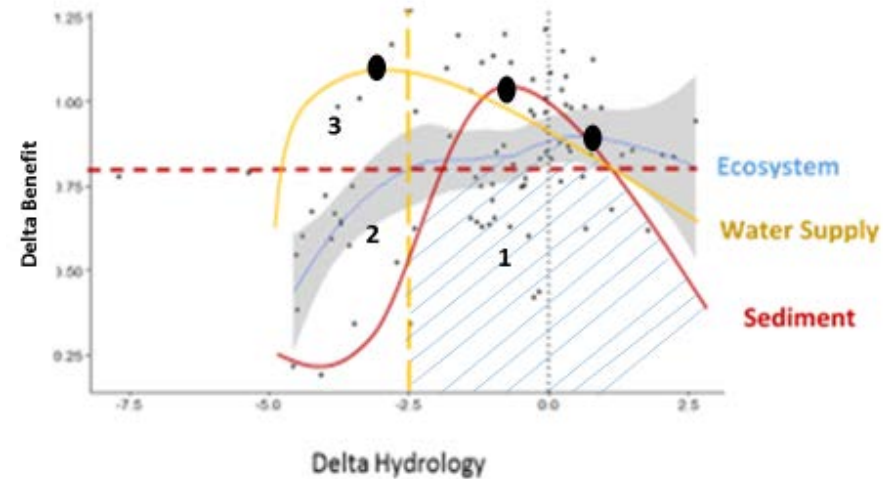


# New Research Theme – Regulatory Program Effectiveness Evaluation

- Data driven “dashboards” can inform regulatory related decisions better
- Stormwater programs and the California Stormwater Quality Association (CASQA) have developed an approach that could serve to guide this effort
- Subgroup of CTAG formed to further evaluate and discuss how this theme might proceed
  - This could be a the center node that ties together many of the other research themes and provides a view on our regulatory programs that is otherwise not readily available

# Systems Based Adaptive Framework for Ecohydrology

- Followup from Ecohydrology Research Theme
- Can be used for informing decisions on multiple, management endpoints
- Looking for a watershed (or more) to pilot the approach



# Recommendations

- Recommend approving contracts (new projects)
  - Recommend approving 2016/17 Research Plan
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