

# TWENTY-THIRD ANNUAL MEETING OF THE CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP

DAVIS, CALIFORNIA  
October 18 and 19, 2016

## MEETING AGENDA

**TUESDAY OCTOBER 18**                      **ARC Ballroom, UC Davis Campus**

8:30 – 9:00     **Registration**

9:00 - 9:15     Welcome and Objectives of the Meeting – *Jim Harrington, California Department of Fish and Wildlife (CDFW), Office of Spill Prevention and Response (OSPR), Aquatic Bioassessment Laboratory (ABL)*

9:15 – 9:40     [Expanding the Universe of Ecological Indicators in California: a Vision for the Next Decade](#) – *Peter Ode, ABL*

9:40 - 10:00    [Overview of the SWAMP Bioassessment Program and Resources](#) – *Calvin Yang, SWRCB*

10:00 – 10:30   [Use of RIVPACS-type Multitaxon Distribution Models to Assess Alterations in Regional Biodiversity](#) – *Charles Hawkins, Utah State University*

10:30 – 10:50   **Break**

### **Session on Aquatic Ecology and Bioassessment Conducted by the United States Geological Survey**

10:50 – 11:10   [Overview of USGS Regional Stream Quality Assessments and Plans for California RSQA in 2017](#) – *Pete Van Metre, United States Geological Survey (USGS), Austin, TX.*

11:10 – 11:30   [Aquatic Ecology and Bioassessment at the California Water Science Center](#) – *Larry Brown, USGS, Sacramento, CA*

11:30 – 11:50   [Assessing Ecosystem Health in a Mining-impacted River - USGS investigations of the Clark Fork River, MT Superfund Site](#) – *Terry Short USGS, Menlo Park, CA*

11:50 – 12:10   [Estimating Unimpaired Streamflows as a Baseline for Assessment of Climate Change and Anthropogenic Modification](#) – *Jason May, USGS, Sacramento, CA*

12:10 – 12:30   [Data Analysis as Part of USGS Regional Stream Quality Assessments](#) – *Ian Waite, USGS, Portland, OR*

12:30 – 2:00 **Lunch (on your own)**

### **Session on Ecohydrology**

2:00 – 2:20 [Introduction to Statewide Efforts to Develop Biologically-relevant Instream Flow Recommendations](#) – *Eric Stein, SCCWRP*

2:20 – 2:40 [Setting Regional Targets Based on Flow-ecology Relationships to Support Biological Integrity](#) – *Raphael Mazor, SCCWRP*

2:40 – 3:00 [Managing Functional Environmental Flows in Regulated River Systems](#) – *Sarah Yarnell, Center for Watershed Sciences, UC Davis*

3:00 – 3:20 [Assessing Hydrologic Change in the Nation's Rivers](#) – *Ted Grantham, UC Berkeley Cooperative Extension*

3:20 – 3:40 **Break**

3:40 – 4:00 [Developing a Coordinated Instream Flow Strategy for California](#) – *Julie Zimmerman, The Nature Conservancy (TNC)*

4:00 – 4:20 Discussion

### **WEDNESDAY OCTOBER 19**

### **ARC Ballroom, UC Davis Campus**

9:00 – 9:30 [Overview of Permitting Process for Scientific Take of Wildlife](#) – *Ona Alminas and Leslie Alber, CDFW*

9:30 – 9:50 [California Statewide Algae Plan: Past, Present, and Future](#) – *Susanna Theroux, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa*

9:50 – 10:35 [Garcia River Monitoring Program – Watershed Overview, Status and Trends](#) – *Jonathan Warmerdam, North Coast Regional Water Quality Control Board and Jennifer Carah, TNC, San Francisco, CA*

10:35 – 11:00 **Break**

11:00 – 11:20 [A Rapid Screening Tool for Determining Causes of Biological Impairment in California Streams](#) – *Jerry Diamond, Tetra Tech, Owings Mills, MD*

11:20 – 11:50 [Reach-scale Riffle and Pool Habitat Vary with Stream Flow, Altering Benthic Community Structure in Reachwide Benthos Samples](#) – *David Herbst, Sierra Nevada Aquatic Research Laboratory (SNARL), Mammoth Lakes CA*

11:50 – 12:10 [The Effects of Drought on Total Dissolved Solids/Conductivity in Streams and Rivers](#) – John Olson, Desert Research Institute, NV/California State University Monterey Bay

12:10 – 1:30 **Lunch (on your own)**

1:30 – 5:00 **Special CalSFS Workshop: Hydrology 101: Understanding the Nexus of Flow and Biology (separate registration)**

### **Society for Freshwater Science California Chapter Session**

1:30 – 1:45 [Riparian Restoration Scale and Stream Benefits in California Rangelands](#) - Bronwen Stanford, U.C. Santa Cruz

1:45 – 2:00 [It's Time for Time: Aquatic-terrestrial Linkages in California Vernal Pools](#) - Jamie Kneitel, C.S.U. Sacramento

2:00 – 2:15 [Evolution and Ecology of Partial Migration in a Salmonid Fish](#) (*Oncorhynchus mykiss*) - Suzanne Kelson, U.C. Berkeley

2:15 – 2:45 [Critical Role of Seasonal Tributaries for Native Aquatic Biota in the Sacramento River](#) - Michael Marchetti, St. Mary's College

2:45 – 3:00 **Break**

3:00 – 3:15 [Communicating Science, Creating Trust: Can You Take a Message?](#) - Kat Kerlin, U.C. Davis

3:15 – 3:30 [Piecing it Together: Building a Story about Caddisfly Case-building with KOED Science's Deep Look](#) - Patina Mendez, U.C. Berkeley

3:30 – 3:45 [Science Communication and Outreach: A View from the Mountains](#) - Brittany Covich, Sierra Nevada Conservancy

3:45 – 4:00 Panel Discussion and Q+A on Science Communication

**Poster Presentation: Developing a Model to Estimate Freshwater Gross Primary Production using MODIS Surface Temperature Observations - S. Saberi, K.C. Weathers, H. Norouzi, S. Prakash, J. Boucher, and C. Solomon**

4:00 – 5:00 **Annual Meeting of the California Chapter of the Society for Freshwater Science (CalSFS)**