

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

DAVIS, CALIFORNIA  
October 20 and 21, 2015

## MEETING AGENDA

### TUESDAY OCTOBER 20 ARC Ballroom, UC Davis Campus

- 8:30 – 9:00     **Registration**
- 9:00 - 9:10     [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)*
- 9:10 – 9:30     [Update on Statewide Implementation Plan for Assessing Biological Integrity in Surface Waters](#) – *Jessie Maxfield*
- 9:30 - 9:50     [SWAMP Bioassessment Program Update](#) – *Lori Webber, State Water Resources Control Board (SWRCB)*
- 9:50 – 10:20   [Introduction to SWAMP's Information Management and Quality Assurance Program](#) - *Melissa Morri, SWRCB*
- 10:20 – 10:40   [Overview of the SWAMP Bioassessment Webpage and an Interactive CSCI Score Map](#) – *Calvin Yang and Michelle Tang, SWRCB*
- 10:40 – 11:00   **Break**
- 11:00 – 11:30   **Discussion on Interpreting Bioassessment Data from SWAMP Protocols – What Resources Would Help the Assessment Community? – Moderated by Lori Webber, SWRCB**

### Session on Battle Creek Restoration and Monitoring

- 11:30 – 11:50   [Background on the Restoration Effort in the Battle Creek Watershed](#) – *Mary Marshall, US Bureau of Reclamation, Red Bluff*
- 11:50 – 12:20   [Biological and Physical Habitat Monitoring of the Battle Creek Watershed with Emphasis on the Columbia Habitat Monitoring Program \(CHaMP\)](#) – *Mike Ward, Terraqua Inc. Tonasket, WA*

12:20 – 12:40 [Ongoing and Future Assessment of the Biota and Instream Habitat in Battle Creek](#) –  
*Steve Tussing, Battle Creek Watershed Conservancy*

12:40 – 2:00 **Lunch (on your own)**

## **Session on Experimental Designs and Bioassessment in Timber Lands**

2:00 – 2:15 [Background Information on the Caspar Creek Experimental Watersheds and Summary of Results from the First Two Experiments](#) – *Pete Cafferata, Cal-Fire*

2:15 – 2:30 [Plans for the Third Experiment in the Caspar Creek Experimental Watersheds](#) – *Salli Dymond, Forest Service Pacific Southwest Research Station*

2:30 – 2:50 [Linking Habitat Variables to Salmonid Growth, Survival, and Abundance in Two Coastal Northern California Intensively Monitored Watersheds](#) – *Sean Gallagher, CDFW, Fort Brag*

2:50 – 3:10 Bioassessment Efforts on Sierra Pacific Industries (SPI) Timber Lands – *Cajun James, SPI, Anderson*

3:10 – 3:30 **Break**

3:30 – 4:00 [Using Biological Integrity to Structure Water Quality Criteria: California and Beyond](#) – *Michael J. Paul, Jeroen Gerritsen, Lei Zheng, Jerry Diamond, and Clint Boschen*

## **Session on Causal Assessment in SoCal**

4:00 – 4:20 [A Quantitative Approach for Selecting Environmentally Similar Comparator Sites for Use in Causal Assessments](#) – *Raphael Mazor and David Gillett, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa*

4:20 – 4:40 [Characterizing and Mapping Modified Channels in Southern California](#) – *Jerry Diamond and Clint Boschen, Tetra Tech Inc., Owings Mills, Maryland*

4:40 – 5:00 [Causal Assessment of TDS/Conductivity as a Potential Cause of Poor Benthic Invertebrate Condition in the San Diego River Watershed](#) – *Jerry Diamond and Clint Boschen, Tetra Tech Inc., Owings Mills, Maryland*

**WEDNESDAY OCTOBER 21**

**ARC Ballroom, UC Davis Campus**

9:00 – 9:30 [Investigation of Natural Levels of Total Dissolved Solids Impact on Benthic Macroinvertebrate Communities in the South Coast Region](#) – *John D. Rudolph, Amec Foster Wheeler*

9:30 – 9:50 [Status on Sampling and Interpreting Biotic Scores for Intermittent Streams in the San Diego Region](#) – Chad L Loflen, Rafael Mazor and Andy Rehn, Water Quality Control Board, San Diego Region

9:50 – 10:00 **Break**

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

10:00 – 10:10 Update on Planning for the 2016 Society for Freshwater Science Meeting in Sacramento – Jim Harrington, CDFW

10:10 – 10:40 [The Effects of Drought on Fish and Water Quality](#) – Peter Moyle, UC Davis

10:40 – 11:10 [Freshwater Science to Inform State Water Policy](#) – Steve Moore, Board Member, State Water Resources Control Board

11:10 – 11:20 **Break**

## **Session on Freshwater Biodiversity: A Vision for Recovery**

11:20 – 11:30 Introduction to the Session – Rene Henery, Trout Unlimited (no powerpoint)

11:30 – 11:45 [The California Freshwater Conservation Blueprint](#) – Jeanette Howard, The Nature Conservancy

11:45 – 12:00 [The A.R.M. of the Central Valley Project Improvement Act: Putting Science into Action](#) – Julie Zimmerman, USFWS

12:00 – 12:15 [Developing SMART Biological Objectives for the Stanislaus River: Injecting Science into our Discussions](#) – John Shelton, CDFW

12:15 – 12:30 [Biodiversity and Conservation Status of Flora and Fauna in California Streams](#) – Joan Damerow, WRA Inc.

12:30 – 1:30 **Lunch (on your own)**

1:30 – 1:45 [Genetic Variation in \*Baetis tricaudatis\* in the Russian River Watershed](#) – Natalie Stauffer-Olsen, UC Berkeley

1:45 – 2:00 [Forests and Water in the Sierra Nevada: Kings River Experimental Watershed and Ecosystem Monitoring Project](#) – Mohammad Safeeq, UC Merced

## **Session on Montane Meadow Restoration**

2:00 – 2:30 [Montane Meadow Restoration: Reconciling Research and Implementation](#) – *Karen Pope, USFS, and Sarah Yarnell, UC Davis*

2:30 – 2:45 [Yuba Headwaters Meadow Restoration](#) – *Rachel Hutchinson, South Yuba River Citizens League*

2:45 – 3:00 [Green Acres: A Collaborative Vision for Meadow Recovery in California](#) – *Rene Henery, Trout Unlimited*

3:00 – 3:15 [Researching and Repairing Legacy Grazing Impacts in Sierra Nevada Wetlands](#) – *Evan Wolf, UC Davis*

3:00 – 3:15 **Break**

### **Session on Juvenile Salmonids in Intermittent Streams**

3:15 – 3:30 [Collaborative Research Into Balancing Salmonid and Human Water Use in Intermittent Streams: A Case Study from Salmon Creek, Sonoma County](#) – *Cleo Woelfle-Erskine, UC Berkeley*

3:30 – 3:45 [Dry Season Survival of Juvenile Salmonids in an Intermittent Stream](#) – *Jason Hwan, UC Berkeley*

3:45 – 4:00 [Collaborative Agreements for Flow Augmentation to Benefit Salmonids](#) – *David Hines, NOAA*

4:00 – 4:15 [How Does Your Stream Go Dry? Monthly Wet-Dry Mapping During the Summer 2015 Drought](#) – *Derek Acomb, CDFW*

4:15 – 4:30 [Impacts of Drought on Juvenile Salmonids Rearing in Russian River Tributaries](#) – *Mariska Obedzinski, UC Cooperative Extension*

4:30 – 5:30 **Annual Meeting of the California Chapter of the Society for Freshwater Science (CalSFS)**