

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, SWRCB*

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 Morris, 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 Mazon 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*
- 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 tricaudatus* 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)**