

FOURTEENTH ANNUAL MEETING OF THE CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP

DAVIS, CALIFORNIA
NOVEMBER 29 and 30, 2007

FINAL MEETING AGENDA

THURSDAY NOVEMBER 29

ARC Ballroom, UC Davis Campus

- 8:00 - 9:00 Registration
- 9:00 - 9:15 Welcome and Objectives of the Meeting – Jim Harrington
*California Department of Fish and Game, Office of Spill Prevention
and Response, Aquatic Bioassessment Laboratory (ABL)*
- 9:15 - 9:30 [Status of California's Surface Water Ambient Monitoring Program \(SWAMP\)](#)
– Emilie Reyes, *State Water Resources Control Board (SWRCB)*
- 9:30 - 9:50 [Status of SWAMP Bioassessment Programs and Special Projects](#) – Pete Ode,
ABL
- 9:50 - 10:00 [Update on Southwestern Association of Freshwater Invertebrate Taxonomists
\(SAFIT\) Organization and the Taxonomic Website](#) – Joe Slusark and Dan
Pickard, ABL – CSU Chico
- 10:00 - 10:20 [Update on the Bioassessment Program for the State of Nevada.](#) – Karen
*Vargas, Bureau of Water Quality Planning, Nevada Division of Environmental
Protection*
- 10:20 - 10:40 [Update on the Bioassessment Program for the State of Arizona.](#) – Patti
*Spindler, Standards & Assessments Unit, Arizona Division of Environmental
Quality*
- 10:40 - 11:00 Break**
- 11:00 - 11:20 [Update on the Bioassessment Program for the State of Hawaii](#) – Linda Koch,
Environmental Planning Office, Hawaii State Department of Health
- 11:20 - 11:40 [Update on the Bioassessment Program for the Regional Water Quality Control
Board's Region 9](#) – Lilian Busse, *San Diego Regional Water Quality Control
Board and Joe Purohit, Sparkers Inc.*
- 11:40 - 12:10 [Stressor Identification Process and CADDIS](#) – Susan Norton, *U.S. EPA
Office of Water, Washington DC*
- 12:10 - 12:30 The Use of the Stressor Identification Process to Diagnose the Effects of
Effluent from the DFG Hot Creek Hatchery, *Robert Jellson, Sierra Nevada
Aquatic Research Laboratory (SNARL)*

12:30 - 2:00 Lunch

2:00 - 2:30 Excerpts from the DVD “Bugs of the Underworld” – *Ralph Cutter, California School of Flyfishing, Nevada City/Truckee*

2:30 - 3:00 [Development of Tolerance Values for Macroinvertebrates based on EPA EMAP data](#) – *Lester Yuan, USEPA, Washington DC*

3:00 - 3:20 [Anticipating and Accounting for the Influence of Climate Change on Stream Hydrology and Biology in the Sierra Nevada](#) – *David Herbst, SNARL*

3:20 - 3:40 Break

3:40 - 4:10 [Combining Multiple EMAP Data Sets that Expand Assessment Capability: an Example from the Oregon and Washington Marine West Coast Forest Level II Ecoregion](#) – *Robert Plotnikoff, Principal Scientist, Tetra Tech, Inc. Center for Ecological Sciences Seattle, WA*

4:10 – 4:30 [Comparability of Biological Assessments Derived from Predictive Models and Multi-Metric Indices of Increasing Geographic Scope](#) – *Pete Ode, ABL*

4:30 - 4:50 [Examining Uses of Aquatic Indicators \(Biotic, Physical and Others\) in Watershed Condition/Function Assessment](#) – *Fraser Shilling, UC Davis*

FRIDAY NOVEMBER 30 ARC Ballroom, UC Davis Campus

9:00 - 9:20 Using Bioassessment for Management Indicator Species (MIS) in the Sierra Nevada Province– *Joseph Furnish. and Travis Coley, US Forest Service, Pacific Southwest Region, USFS*

9:20 - 9:40 [Freshwater Mussels and Spring Snails of the Northern Sierra Nevada Province](#) – *Jeanette Howard, TNC Terry Frest, Deixis Consultants, Seattle, Washington*

9:40 - 10:00 [Aquatic Macroinvertebrate Assemblages of the upper Clear Creek Watershed and Whiskeytown National Recreation Area, California](#) – *Jason May and Larry Brown, USGS, Sacramento*

10:00 – 10:20 [Mountain Meadows: Connecting Aquatic and Terrestrial Health Indicators](#) – *Sabra Purdy, Peter Moyle, and Patrick Crain, UC Davis*

10:20 - 10:40 [When is a Disturbance a Disturbance? Reduced Flow Variability and Macroinvertebrate Response in a California River](#) – *Michael Marchetti and Elaine Esteban Talk Presented by Gina Benigno, CSU Chico*

10:40 - 11:10 Break

11:10 – 11:30 [Basking Patterns and Thermal Regulatory Behaviors of Western Pond Turtles: Comparing Responses to Thermal Regimes in Dammed and Undammed Tributaries of the Trinity River](#) – *James Bettaso, Don Ashton, Hartwell Welsh, and Robert Sullivan, US Fish and Wildlife Service (USFWS), Arcata*

11:30 – 11:50 [Benthic macroinvertebrates as Indicators of Biological Condition Below Hydropower Dams on West Slope Sierra Nevada Streams](#) – *Andy Rehn, ABL*

11:50- 12:10 [Impacts of Dams and Hydroelectric Facilities on Freshwater Mussels in California](#)– *Russ Kanz, SWRCB, Sacramento*

12:10 - 12:30 [Hazard Analysis and Critical Control Point \(HACCP\) Planning as a Planning Tool that Identifies and Evaluates Potential Risks for Introducing Invasive Species](#) – *Louanne McMartin, USFWS, Stockton*

12:30 - 1:30 Lunch

1:30 –4:00 **Workshop (Optional)** – Using the Web Based Application CADDIS to Conduct the Stressor Identification Process – *Susan Norton, U.S. EPA Office of Water, Washington DC*