

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*