THIRTEENTH ANNUAL MEETING OF THE CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP

DAVIS, CALIFORNIA
NOVEMBER 29 and 30, 2006

FINAL MEETING AGENDA

WEDNESDAY NOVEMBER 29 ARC Ballroom, UC Davis Campus

8:00 - 9:00 Registration

9:00 - 9:10 Welcome to UC Davis and the State Water Resources Control Board's Training Initiative/Academy Program – Nancy Ellen Barker, *UCD Extension – Land Use and Natural Resources, Davis, California*

9:10 - 9:20 Welcome and Objectives of the Meeting – Jim Harrington *California Department of Fish and Game (DFG) – Office of Spill Prevention and Response*

9:20 - 10:00 Status Report on the Programmatic Bioassessment Elements of California's Surface Water Ambient Monitoring Program (SWAMP) – Tom Suk, *Regional Water Quality Control Board 6* and Pete Ode, *California Department of Fish and Game – Aquatic Bioassessment Laboratory (ABL)*

10: 00 - 10:40 Washington State Stream Biological Monitoring Program: History of Development and Inclusion of Critical Elements Robert Plotnikoff, Principal Scientist, *Tetra Tech, Inc. Center for Ecological Sciences Seattle, WA*

10:40 - 11:00 Break

11:00 - 11:30 Assessment of Aquatic Biological Communities Along a Gradient of Urbanization in the Willamette Valley Ecoregion - Ian Waite, *US Geologic Survey (USGS), Portland, Or.*

11:30 - 12:00 Aliens in Western Stream Ecosystems – Paul Ringold, *U.S. EPA Office of Research and Development, Corvallis, Oregon*

12:00 - 12:20 Assessing Physical/Habitat Condition of Wadeable Streams and Rivers Using EMAP Style Protocols – Phil Kaufmann, *U.S. EPA Office of Research and Development, Corvallis, or TBA*

12:20 - 1:50 Lunch

1:50 - 2:10 Update on the Integrated Surface Water Monitoring Strategy for Southern California including Results of the Low Gradient Study – Ken Schiff and

Raphael Mazor , *Southern California Coastal Water Research Project (SCCWRP)*

2:10 - 2:30 Development of a Periphyton IBI for Southern California Streams – Betty Fetscher, *SCCWRP*

2:30 - 2:50 The California Nutrient Numeric Endpoints Framework: Overview and Example Application – *Clayton Creager, Tetra Tech, Calistoga*

2:50 - 3:10 The Importance of Quality Assurance/Quality Control in Bioassessment and Physical-Habitat Protocols – Beverly van Buuren, *Quality Assurance Research Group Moss Landing Marine Laboratories.*

3:10 - 3:30 **Break**

3:30 – 3:40 Update on Southwestern Association of Freshwater Invertebrate Taxonomists (SAFIT) Organization and Recent Meeting – Joe Slusark, *ABL – CSU Chico*

3:40 - 4:10 An Interesting Aquatic Insect Project: Holomorphology, Life History, Delayed Development and Mate Searching Behavior of Isogenoides (Plecoptera: Perlodidae) – John Sandberg, *ABL*

THURSDAY NOVEMBER 30 ARC Ballroom, UC Davis Campus

9:00 - 9:20 The Use of Factor-Ceilings in Bioassessments – Jim Carter, *USGS, Menlo Park*

9:20 - 9:40 Response Patterns of Macroinvertebrate Assemblages to Catchment-based Measures of Landscape Alteration and Hydrologic Infrastructure Across Spatial Multiple Scales in the Western U.S – Jason May, *USGS, Sacramento*

9:40 - 10:00 Development of Stressor-Specific Tolerance Values for Western Benthic Macroinvertebrates – Andy Rehn, *ABL*

10:00 – 10:20 Adapting PHab Protocols for Diagnosing Aquatic Life Impairment Related to Sediment – David Herbst and Jeff Kane, *Sierra Nevada Aquatic Research Laboratory (SNARL)*

10:20 - 10:40 Linkages Between Sediment Supply, Streambed Conditions, and Benthic Macroinvertebrates in the Klamath National Forest: Implications for Sediment Tolerance Values – Matt Cover, *University of California, Berkeley*

10:40 - 11:10 Break

11:10 – 11:30 Bugs, Algae and Bioenergetics – Applications to Hydroelectric Peaking Flows in the Klamath River – Russ Kanz, SWRCB.

11:30 – 11:50 Emerging Aquatic Nuisance Species in California and the Pacific Southwest Region – Joseph Furnish. and Travis Coley, *US Forest Service, Pacific Southwest Region*

11:50- 12:10 More Than One Can of Worms: 30 Years of Macrobenthic Monitoring in the Upper San Francisco Estuary – Heather Peterson, *USGS, Menlo Park*

12:10 - 12:30 Using Periphyton to Help Establish Numeric Water Quality Criteria and Nutrient Reduction Targets – Scott L. Rollins, *University of California, Santa Cruz, and Spokane Falls Community College*

12:30 - 1:30 Lunch

1:30 – 2:00 Dealing with New Zealand Mudsnails in California and Procedures to Limit the Threat – Brian Finlayson, *Pesticide Investigation Unit, DFG*

2:00 - 2:20 Conductivity Limits Growth and Survival of the New Zealand Mud Snail from the Upper Owens River – David Herbst, Mike Bogan, and Rob Lusardi, *SNARL*

2:20 - 2:40 Impacts of New Zealand Mudsnails on Water Quality and Bioassessment Metrics: a prelude – David Richards – *EcoAnalysts Inc. Center for Aquatic Studies Bozeman, MT*

2:40 - 3:00 **Break**

3:00 - 3:20 Gradients in Channel Geomorhology Along the Upper Owens River in Relation to the NZMS and the Native Benthic Community – David Herbst and Rob Lusardi, *SNARL*

3:20 - 4:00 **Discussion Session:** What To Do About New Zealand Mud Snail in California Streams and Rivers – Susan Ellis – *CDFG*, Mark Abramson – *Heal the Bay*, David Richards, Brian Finlayson and David Herbst