



26TH ANNUAL CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP (CABW) MEETING

AND

7th ANNUAL CALIFORNIA CHAPTER SOCIETY FOR FRESHWATER SCIENCE MEETING

OCTOBER 23 & 24, 2019

ACTIVITIES AND RECREATION CENTER (ARC) BALLROOM

UNIVERSITY OF CALIFORNIA DAVIS

AGENDA

Day 1 - Wednesday, October 23, 2019:

8:30 – 9:15 Registration

9:15 – 9:30 Welcome

9:30 – 9:50 [Keynote Speaker Presentation Video](#) | Jim Harrington | California Department of Fish and Wildlife (retired)

SESSION 1: DRY STREAM ASSESSMENT

9:55 – 10:15 [Monitoring to Determine the Health of Non-Perennial Streams in the San Gabriel River Watershed Presentation Video](#) | Karin Wisenbaker | Aquatic Bioassay & Consulting Laboratories

10:20 – 10:40 [Assessment of Riverine Wetland Conditions, Macroinvertebrate Assemblages, and Physical Habitat Conditions of Streams on Santa Rosa Island, Channel Islands National Park Presentation Video](#) | Dan Pickard | Department of Fish and Wildlife Aquatic Bioassessment Lab, CSU Chico

10:45 – 11:05 [Bioassessment of Ephemeral Streams and Intermittent Rivers Affected by Oil Spills Presentation Video](#) | Savannah Pena | Southern California Coastal Water Research Project/CSUMB

11:05 – 11:10 Memory of Jason May | Larry Brown

11:10 - 11:25 BREAK (15 minutes)

SESSION 2: FIRE EFFECTS

11:25 – 11:45 [Implementation of a Multi-Partner, Collaborative Effort to Manage and Monitor Post-Fire Water Quality in a Large Northern California Lake Presentation Video](#) | Angela De Palma-Dow | Lake County Water Resources Department

11:50 – 12:10 [Camp Fire Water Quality Monitoring Presentation Video](#) | Alisha Wenzel | Central Valley Regional Water Board

12:15 – 12:35 [The Effects of Fire Retardants in Mediterranean Aquatic Ecosystems Presentation Video](#) | Jamie Kneitel | CSU Sacramento

12:35 – 2:05 LUNCH (on your own)

SESSION 3: SUPPORTING MANAGEMENT DECISIONS WITH BIOASSESSMENT DATA

2:05 – 2:25 [Development of the City of San Diego Stream Restoration and Protection Prioritization Tool Presentation Video](#) | Jerry Diamond | Tetra Tech and City of San Diego

2:30 – 2:50 [The Integration of Molecular Methods in Bioassessment: Are We There Yet? Presentation Video](#) | Susanna Theroux | Southern California Coastal Water Research Project

2:55 – 3:15 [Stream Quality Index Presentation Video](#) | Raphael Mazor | Southern California Coastal Water Research Project

3:20 – 3:40 [Bioassessment Program and Healthy Watersheds Partnership: Wading into Our Future Presentation Video](#) | Ali Dunn | CA Water Boards

3:45- 4:00 Daily wrap, Q&A, and Adjourn

4:00 – 5:00 Poster Session and Student Poster Contest supported by Cal-SFS and SFS Early Career Committee

5:30 - 8:00 Mixer/Fundraiser | Please join us at Sudwerks Restaurant (2001 2nd Street, Davis) for a mixer and fundraiser for Cal-SFS Student Travel Awards. All are welcome! 15% of proceeds go towards Cal-SFS students!

Day 2 – Thursday, October 24, 2019:

8:30 – 9:00 Registration

9:00 – 9:10 Day 2 Welcome and Logistics

SESSION 4: FLOW ECOLOGY TOOLS TO MANAGE FUTURE FLOWS

9:10 – 9:30 [How Climate Change and Drought can Affect Mountain Streams of the Sierra Presentation Video](#)
| David Herbst | UC Santa Cruz and Sierra Nevada Aquatic Research Lab

9:35 – 9:55 [A Paired Watershed Comparison of Hydrological and Biological Condition in Streams With and Without Cannabis Cultivation Presentation Video](#) | Erin Ferguson | California Department of Fish and Wildlife

10:00 – 10:20 [Low Streamflow is a Bottleneck to Coho Salmon Outmigration Presentation Video](#) | Brian Kastl | UC Berkeley

10:20 – 10:40 BREAK (20 minutes)

10:40 – 11:00 [Selecting a Suite of Native Fish Umbrella Species for Flow Management Recommendations in California Presentation Video](#) | Alyssa Obester | UC Davis Center for Watershed Sciences

11:05 – 11:25 [Using Benthic Macroinvertebrate CSCI Data to Assess and Inform Flow Management Recommendations in California Presentation Video](#) | Ryan Peek | UC Davis Center for Watershed Sciences

11:30 – 11:55 [Benthic Macroinvertebrate Drift and Juvenile Chinook Salmon \(*Oncorhynchus tshawytscha*\) Diet Response to Experimental Flow Releases on the Trinity River below Lewiston Dam \(Northern California\) Presentation Video](#) | Thomas Starkey-Owens | Humboldt State University

11:55 – 1:25 LUNCH (on your own)

EARLY CAREER PRESENTATIONS & PANEL

| Moderated by Angela De Palma-Dow and Nick Macias |

[Videos of the Early Career Panel Presentations](#)

1:30 - 1:40 Synergistic Activities: Introduction to Early Careers in the Aquatic Sciences | Angela De Palma-Dow & Zach Compson | Society of Freshwater Science Early Career Committee & Cal-SFS

1:40 - 2:00 Watershed Stewardship: Conducting Bioassessments with Community Members | Melissa von Mayrhauser | LA Waterkeepers

2:00 - 2:20 Experiences and Thoughts on Early Career Science in California | Guillermo de Mendoza | UC Berkeley

- 2:20 - 2:40 A Practical Guide: Tools and Skills Needed in Protecting California's Watersheds | Shuka Rastegarpour | CA Water Boards
- 2:40 - 3:00 Restoring and Revitalizing California's Urban Streams | Esther Tracy | California Department of Water Resources
- 3:05 - 3:35 Early Career Panel Presented by SFS Early Career Committee and Cal-SFS | Moderated by Angela De Palma-Dow and Nick Macias |
- Panel Participants include: James Morris, Melissa von Mayrhauser, Guillermo de Mendoza, Shuka Rastegarpour, Esther Tracy and more!
- 3:35 – 4:30 Cal-SFS Business Meeting
- 4:35 – 5:00 Daily Wrap-up, Q&A, and Adjourn