



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 | 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 | 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 | 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 | 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 Muti-Partner, Collaborative Effort to Manage and Monitor Post-Fire Water Quality in a Large Northern California Lake** | Angela De Palma-Dow | Lake County Water Resources Department
- 11:50 – 12:10 **Camp Fire Water Quality Monitoring** | Alisha Wenzel | Central Valley Regional Water Board
- 12:15 – 12:35 **The Effects of Fire Retardants in Mediterranean Aquatic Ecosystems** | 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** | Jerry Diamond | Tetra Tech and City of San Diego
- 2:30 – 2:50 **The Integration of Molecular Methods in Bioassessment: Are We There Yet?** | Susanna Theroux | Southern California Coastal Water Research Project
- 2:55 – 3:15 **Stream Quality Index** | Raphael Mazor | Southern California Coastal Water Research Project
- 3:20 – 3:40 **Bioassessment Program and Healthy Watersheds Partnership: Wading into Our Future** | 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
| 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 | Erin Ferguson | California Department of Fish and Wildlife
- 10:00 – 10:20 Low Streamflow is a Bottleneck to Coho Salmon Outmigration | 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 | 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 | 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) | 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 |

- 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**