

IDAHO WATER QUALITY WORKSHOP

Tuesday, January 30, 2018. 1:00 p.m. – 6:00 p.m.

Jordan Ballroom, Boise State University

Registration opens at 12:00 p.m.

- 1:00 p.m. – 1:05 p.m. **Jess Byrne**
Deputy Director, Idaho Department of Environmental Quality
Welcome
- 1:05 p.m. – 1:40 p.m. **Robert Mahler**
University of Idaho - Idaho Water Center
Assessment of Public Aptitudes, Attitudes and Actions Taken Toward
Water Resource Issues in the Pacific Northwest
- 1:40 p.m. – 2:00 p.m. **Lauren Perreault Zinsser**
U. S. Geological Survey
Better Management, Better Water Quality: How Partnerships Are Reducing
Phosphorus in the Lower Boise River
- 2:00 p.m. – 2:20 p.m. **Christian Schmidt**
U. S. Geological Survey
USGS Water Quality Monitoring Networks: Extending the Reach in 2018
- 2:20 p.m. – 2:40 p.m. **Justin Hayes**
Idaho Conservation League
Most Sewage Treatment Plants in Idaho Are Not Making the Grade
- Break:** sponsored by *Brown and Caldwell*
- 3:00 p.m. – 3:20 p.m. **Greg Burak, Dave Hopper and Dain Bates**
U. S. Fish and Wildlife Service, U.S. Fish and Wildlife Service, and Idaho Power
Status of Banbury Springs Limpet and Bliss Rapids Snail within Springs Discharging
into the Mid-Snake River
- 3:20 p.m. – 3:40 p.m. **Kenneth Skinner**
U. S. Geological Survey
Mid-Snake River Springs Water Quality Assessment
- 3:40 p.m. – 4:00 p.m. **Dave Bjerneberg**
USDA Agricultural Research Service
Water Quality Trends in Clear Lakes Springs, Buhl, Idaho
- 4:00 p.m. – 4:20 p.m. **Darren Brandt**
Advanced Eco-Solutions
Mechanisms of Blue-Green Algae Toxins and Implications to Animal Health and
Crop Production
- 4:20 p.m. – 4:40 p.m. **Maureen Pepper and Brian Reese**
Idaho Department of Environmental Quality
IDEQ and IDHW's Coordinated Activities on Harmful Cyanobacterial Blooms
- 4:40 p.m. – 5:00 p.m. **Stephen Hundt**
U. S. Geological Survey
Remote Sensing of Algal Blooms on Brownlee Reservoir

Social Hour: sponsored by *EcoAnalysts (until 6:00 p.m.)*

IDAHO WATER QUALITY WORKSHOP

Wednesday, January 31, 2018. 8:15 am – 5:00 pm

Jordan Ballroom, Boise State University

Morning Refreshments: sponsored by Idaho Water Engineering (from 8:15 a.m.)

8:30 a.m. – 8:50 a.m.

Rob Tiedemann

University of Idaho, Center for Ecohydraulics Research
Principles and Practices of River Restoration

8:50 a.m. – 9:10 a.m.

Steve Clayton

University of Idaho, Center for Ecohydraulics Research
Yankee Fork Side Channel Habitat Improvement Project

9:10 a.m. – 9:30 a.m.

Darcy Sharp

City of Boise
Morphology Matters: Tales of the Boise River

9:30 a.m. – 9:50 a.m.

Kurt Wald

CH2M
Mores Creek Floodplain Restoration

9:50 a.m. – 10:10 a.m.

Tim Vore

Avista Corporation
Marble Creek Splash Dam Fish Passage Project

Break: sponsored by Frontier Precision

10:40 a.m. – 11:00 a.m.

Katherine Cousins

Idaho Department of Fish and Game
Wildlife Mitigation Restoration Projects to Address Construction and Operation of Hydroelectric Projects on Lake Pend Oreille

11:00 a.m. – 11:20 a.m.

Randy Mandel

Great Ecology
Colorado Department of Natural Resources Water Conservation Board: Searchable Restoration Database

11:20 a.m. – 11:40 a.m.

Miles Benker

Idaho Department of Fish and Game
Cocolalla Lake: Wetland and Creek Restoration Project

11:40 a.m. – 12:00 p.m.

Chris Mebane

U. S. Geological Survey
If You Clean It, They Will Come: Ecological Recovery after Water Quality Restoration

12:00 p.m. – 1:30 p.m. **Keynote Luncheon:** *co-sponsored by HDR and YSI*

Keynote Address: Dave Rosgen

Wildland Hydrology

The Ecologic and Economic Benefits of the Heart Rock Ranch Restoration: Hailey, Idaho

1:30 p.m. – 1:50 p.m. **Dorene MacCoy**
U. S. Geological Survey
Effects of Channel Restoration on Macroinvertebrate Communities in Silver Creek,
Blaine County, Idaho

1:50 p.m. – 2:10 p.m. **Louis Wasniewski**
U. S. Forest Service
Restoration on the Caribou-Targhee National Forest

2:10 p.m. – 2:30 p.m. **Jeanne McFall**
Idaho Department of Fish and Game, and Pacific States Marine Fisheries Commission
Improving Water Quality Through Process-Based Restoration to Benefit Idaho's
Native Fish

2:30 p.m. – 2:50 p.m. **Anthonie Holthuijzen**
Idaho Power Company
Passive Restoration Trajectory of a Small, Perennial Mountain Stream after Livestock
Management and Water Conservation

Break: *sponsored by OTT Hydromet*

3:20 p.m. – 3:40 p.m. **Kristin Larson**
Idaho Department of Environmental Quality
Watershed Restoration in Wolf Lodge Creek, North Idaho: Successes, Setbacks, and
Lessons Learned

3:40 p.m. – 4:00 p.m. **Steve Clayton**
University of Idaho, Center for Ecohydraulics Research
Lower Red River Meadow: Results of Long-Term Monitoring of Physical Responses
to Restoration

4:00 p.m. – 4:20 p.m. **Jenifer Harris**
Nez Perce Tribe
Process-Based River and Floodplain Restoration

4:20 p.m. – 4:40 p.m. **Hilary Cosentino**
The Freshwater Trust
Bayha Island Research Project – Execution of Instream Project Planning, Design,
Implementation, and Maintenance through Year One

4:40 p.m. – 5:00 p.m. **Olivia Duren**
The Freshwater Trust
From Concept to Reality: Quantifying Performance and Answering Questions at the
Bayha Island Research Project

IDAHO WATER QUALITY WORKSHOP

Thursday, February 1, 2018. 8:15 am – 12:15 pm

Jordan Ballroom, Boise State University

Morning Refreshments: sponsored by Clean Water Partners, LLC. (from 8:15 a.m.)

- 8:30 a.m. – 9:05 p.m. **Gretchen Oelsner**
U. S. Geological Survey
Challenges with Secondary Use of Multi-Agency Water Quality Data in the United States
- 9:05 a.m. – 9:25 a.m. **Candice Hopkins**
U. S. Geological Survey
The Water Quality Portal: A Single Point of Access for Water Quality Data
- 9:25 a.m. – 9:45 a.m. **Caleb Zurstadt**
Payette National Forest
An Update on a Half-Century of Sediment Monitoring in the South Fork Salmon River
- 9:45 a.m. – 10:05 a.m. **Roger Blew**
Sage Consulting, Inc.
Using Small Unmanned Aircraft to Collect Remote Sensing Data for Environmental Monitoring and Resource Management

Break: sponsored by The Freshwater Trust

- 10:30 a.m. – 10:50 a.m. **Hannah Harris**
Idaho Department of Environmental Quality
E. coli Fluctuations Related to Cattle Grazing near the Pocatello Urbanized Area
- 10:50 a.m. – 11:10 a.m. **Curtis Cooper**
Idaho Department of Agriculture
Idaho's Pesticides and Water Quality Monitoring 2017
- 11:10 a.m. – 11:30 a.m. **Dan Isaak**
U. S. Forest Service
Global Warming Rates of Salmon and Trout Rivers in the Pacific Northwest
- 11:30 a.m. – 11:50 a.m. **Austin Baldwin**
U. S. Geological Survey
Multiple Potential Stressors in the Headwaters of the East Fork South Fork Salmon River
- 11:50 a.m. – 12:10 a.m. **JoAnn Holloway**
U. S. Geological Survey
Water Quality Linked to Vertebrate Community Structure Downstream From a Historical Mercury Mining Area, Valley County, Idaho
- 12:10 a.m. – 12:15 p.m. **Closing Remarks**