



## 2019 Yosemite Hydroclimate Meeting, 19th

*Sponsored by Yosemite Resources Management and Science*

Cliff Room, Yosemite National Park

**Thursday, October 10**

- 9:00-9:15 **Welcome and Meeting Logistics**  
Nicole Athearn, Yosemite Resources Management and Science Chief, and Greg Stock, Park Geologist
- 9:15-9:45 **Soil Moisture Trends Based on 10 Years of Monitoring in the Sierra Nevada**  
Douglas Alden and Colleagues, UCSD – La Jolla
- 9:45-10:10 **Response of Soil Moisture to the Recent Drought in the Central Sierra Nevada**  
Erin Stacy, Megan Pinkus, Matthew Meadows, Peter Hartsough, Michael Goulden, Roger Bales, and Martha Conklin, UC Merced
- 10:10-10:30 Break
- 10:30-11:00 **Extent of the Last Glacial Maximum (Tioga) Glaciation in Yosemite**  
Greg Stock, NPS
- 11:00-11:30 **Eco-Hydrology of the Illilouette Creek Basin – Interactions of Droughts, Storms, and Fire**  
Gabrielle Boisrame, Katya Rakhmatulina, and Scott Stephens, UC Berkeley
- 11:30-12:00 **Modeling Hydrological Effects of Wildfire and Climate Change in the Illilouette Basin**  
Ekaterina Rakhmatulina, UC Berkeley
- 12:00-1:30 **LUNCH**
- 1:30-2:00 **Simulating Snowpack Changes under Two Virtual Forest Thinning Scenarios at the West Shore of Lake Tahoe**  
Sebastian Krogh, Adrian Harpold, and Patrick Broxton, UNR
- 2:00-2:30 **Linking Wildfire, Forest Water Use, and Runoff in the Central Sierra**  
Roger Bales, UC Merced
- 2:30-3:00 **Identifying Biases in Snow Level Predictions at Yosemite National Park**  
Kris Mattarochia and Samantha Zuber, National Weather Service - Hanford



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## **Thursday, October 10, *continued***

- 3:00-3:30 **Uses of Forecast Informed Reservoir Operations**  
Chris Graham, HHW&P/SFPUC – Moccasin
- 3:30-4:00 Break
- 4:00-4:30 **Improving Regression-Based Water Supply Forecasts following Snow Droughts in the Sierra Nevada and larger Western U.S.**  
Josh Sturtevant, M. Dettinger, S. McAfee, S. Rajagopal, and A. Harpold - UNR
- 4:30-5:00 **VIDEO – California’s Watershed**  
Jim Thebaut, Roger Bales, LeRoy Tarnay, Martha Conklin, et al., UC Merced

## **Friday, October 11**

- 9:00-10:00 **Instrumentation, WY2019 Recap, Telemetry Network Upgrades, DWR Snow Sensor and Stream Gage Plans/Upgrades - Roundtable**  
Cat Fong, Moderators
- 10:00-10:15 **Sagehen Creek Experimental Watershed: Updates from the 2019 Field Season**  
Adrian Harpold, Univ. of Nevada - Reno
- 10:15-10:40 Break
- 10:40-11:10 **Planning and Feasibility Study for Integrated Water Strategies to Enhance Streamflows**  
Aimee Teaby, Watershed Progressive, Groveland
- 11:10-11:40 **Update on the Recovery of Yosemite’s Bighorn Sheep**  
Sarah Stock, Wildlife Ecologist, Yosemite National Park - El Portal
- 11:40-12:05 **Warming Warm Snow Environments – Projections for the Future Sierra Nevada**  
Mike Dettinger, Adrian Harpold, and Dan Cayan, USGS, UNR, SIO
- 12:05-12:25 **Group Discussion & Close-** Greg Stock and Mike Dettinger