



2016 Yosemite Hydroclimate Meeting

Sponsored by Yosemite Resources Management and Science

Garden Terrace Room, Yosemite National Park

Wednesday, October 5

- 9:00-9:20 **Welcome and Meeting Logistics**
Linda Mazzu, Yosemite Resources Management and Science Chief, and Jim Roche, Park Hydrologist
- 9:20-9:50 **Tallying Up the California Drought**
Mike Dettinger, US Geological Survey - Carson City
- 9:50-10:10 **Climatic Limitations on Woody Biomass and Production along a 2300 m Elevation Gradient**
Anne Kelly, UC Merced
- 10:10-10:30 Break
- 10:30-11:00 **Interactions Between Hydroclimate and Soil Properties Control the Risk for Altered Hydrologic Partitioning from Changing Snowmelt in the Sierra Nevada**
Adrian Harpold, Univ. of Nevada - Reno
- 11:00-11:30 **Managed Wildfire Effects on the Drought Resilience of Yosemite's Illilouette Creek Basin**
Gabrielle Boisramé, UC Berkeley
- 11:30-12:00 **Sierra Nevada Climate Summary, No Nina & the End of the World?**
Kelly Redmond, Western Regional Climate Center - Reno
- 12:00-1:15 **LUNCH PANEL: RESEARCH AND MANAGEMENT INTERACTIONS**
Moderator: Liz van Wagtenonk, CA Sierra Nevada Conservancy
- 1:15 -1:35 **Recapping the 2015-16 El Nino Event and Examining the 2016-17 Winter Outlook**
Scott Rowe, National Weather Service - Hanford
- 1:35-2:00 **Effects of the 2013 Rim Fire on Sediment Storage, Large Wood Storage, and Vegetation Establishment in the Hetch Hetchy Reach of the Tuolumne**
John Bair et al., McBain & Associates - Arcata
- 2:00-2:30 **Refining Regional Recharge Estimates: Considering the Water Balance and Recharge Process**
Alan Flint and Lorrie Flint, USGS California Water Science Center - Sacramento



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Wednesday, October 5, *continued*

- 2:30-2:55 **Evaluation of Catchment Pairs and the Seasonal Effects of Drought on Source Water in Forested Mountain Streams**
Sarah Martin & Martha Conklin, UC Merced
- 2:55-3:15 Break
- 3:15-3:45 **Development of a California-wide Soil Moisture Monitoring Strategy, and Application to the Hetch Hetchy Watershed**
Lorrie Flint et al., USGS California Water Science Center - Sacramento
- 3:45-4:15 **Airborne Snow Observatory – Science, Water Forecasting, and Planning**
Kat Bormann, NASA/JPL - Pasadena
- 4:15-4:45 **Observations from Drought in the Southern Sierra**
Roger Bales, UC Merced
- 4:45- 5:10 **Updates from the State Climate Office**
Mike Anderson, CA State Climate Office - Sacramento

Thursday, October 6

- 9:00-10:00 **Instrumentation and Telemetry Network Roundtable**
Harrison Forester and Jim Roche, Moderators
- 10:00-10:20 **Sagehen Creek Experimental Watershed: Measuring Hydrologic Stores and Fluxes and the Northern-End of the Sierra Nevada**
Adrian Harpold, Univ. of Nevada - Reno
- 10:20-10:40 Break
- 10:40-11:10 **Linking Evaporative Demand Surplus and Precipitation Deficits to Multi-Year Streamflow Drought in California**
Dan McEvoy et al., Desert Research Institute - Reno
- 11:10-11:35 **Variability in Sierra Nevada Forest Water Sources During a Severe Drought**
Melissa Thaw, UC Merced
- 11:35-12:05 **Unusual Warmth in the Central Sierra Nevada during the Last 5 Years**
Dan Cayan et al., Scripps Institution of Oceanography - San Diego
- 12:05-12:25 **Group Discussion & Close-** Jim Roche, Mike Dettinger, & Bruce McGurk