



2015 Yosemite Hydroclimate Meeting

Sponsored by Yosemite Resources Management and Science

Thursday, October 8

- 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 **2012-2015 drought impacts to the Lyell and Maclure glaciers in Yosemite National Park**
Greg Stock, Park Geologist
- 9:50-10:20 **The Giant Sequoia Climate (Cool, Calm, and Clouded) and Drought Response**
Eric Waller, Univ. of Nevada-Reno
- 10:20-10:40 Break
- 10:40-11:10 **Sierra Nevada Climate Summary, El Nino & the End of the World**
Kelly Redmond, Western Regional Climate Center, Reno
- 11:10-11:40 **Thirty Years of Change in Subalpine Forest Cover from Landsat Image Analysis in the Sierra Nevada Mountains of California**
Chris Potter, NASA-Ames, Moffett Field
- 11:40-12:10 **Managing Wet Meadow Systems within a Changing Climate - Sequoia and Kings Canyon National Parks**
Marie Denn, NPS, San Francisco
- 12:10-1:15 Lunch
- 1:15-1:30 **Long-Term Effects of Wildfire on Vegetation and Water Balance in Yosemite's Illilouette Creek Basin**
Gabrielle Boisramé, UC Berkeley
- 1:30-2:00 **Drought Impacts on Subsurface Water Storage, Evapotranspiration, and Vegetation Mortality in the southern Sierra Nevada, 2009-2015**
Roger Bales, UC Merced
- 2:00-2:30 **Elevational Transect of Climate Stations in the Central Sierra**
Douglas Alden, UC San Diego, La Jolla



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Recommended Video: coming

Thursday, October 8, *continued*

- 2:30-3:00 **Forest Fuel Reduction and Wildfire Effects on Runoff and Evapotranspiration in Sierra Nevada Mixed-conifer Forest.**
Martha Conklin, UC Merced
- 3:00-3:30 Break & Poster Session
- 3:30-4:00 **Airborne Snow Observatory - Summary of Three Years of Basin SWE**
Bruce McGurk, McGurk Hydrologic, Orinda
- 4:00-4:30 **Using ASO Snow Estimates to Forecast Future Streamflows in the Tuolumne Basin**
Chris Graham, Water and Power Planning, HHWP, Moccasin
- 4:30- 5:00 **Update on "Guide to Tuolumne River Streamgaging Sites"**
Bruce McGurk, for Jessica Lundquist, Univ. of Washington, Seattle

Friday, October 9

- 9:00-9:15 Introductions and meeting updates
- 9:15-9:45 **Climatic Drivers of Limber Pine Recruitment**
Bob Westfall, Pacific Southwest Research Station
- 9:45-10:15 **Quantifying the Effects of Wildfire Severity on Snow Water Equivalent in the Sierra Nevada**
Nolan Cate, NASA DEVELOP National Program
- 10:15-10:30 Break
- 10:30-11:00 **Mountain Cloud Variability in the Western U.S. and How It Affects Sierra Nevada Hydroclimate**
Edwin Sumargo, Scripps Institute, UC San Diego
- 11:00-11:30 **TBA**
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- 11:30-12:00 **Group Discussion & Close**, Jim Roche, Bruce McGurk, and John Shupe