



2012 Yosemite Hydroclimate Meeting

Sponsored by Yosemite Resources Management and Science

Thursday, October 11th

- 9:00-9:20 **Welcome and Meeting Logistics**
Joe Meyer, Branch Chief Physical Sciences and Landscape Ecology, and
Jim Roche, Park Hydrologist
- 9:20-9:50 **Update on Studies of the Lyell and Maclure Glaciers**
Greg Stock
- 9:50-10:20 **The JPL Airborne Snow Observatory – Demonstration Mission 1**
Tom Painter
- 10:20-10:40 Break
- 10:40-11:10 **Snow Sublimation in the Upper Tuolumne Watershed**
Ben Guy
- 11:10-11:40 **Different Yet Similar: Studying Snow Cover Patterns in Wet and Dry
Years Using Distributed Temperature Sensors in the Sierra Nevada**
Mark Raleigh and Jessica Lundquist
- 11:40-12:10 **Atmospheric River Storms’ Role in Extreme Events in the Sierra**
Mike Dettinger
- 12:10-1:30 Lunch
- 1:30-1:45 **Yosemite-Mariposa Regional Water Management Group Update**
Anne Steed, RWMG member from the Upper Merced River Watershed
Council
- 1:45-2:15 **Moisture Stress Monitoring in Giant Sequoia Groves**
Roger Bales
- 2:15-2:45 **Comparing Seasonal Distributions of Soil Properties and Energy
Fluxes from 2011 to 2012 Water Years**
Frank Anderson, Alan Flint, and Lorrie Flint
- 2:45-3:15 **Groundwater-Surface Water Interactions in Montane Meadows of the
Sierra Nevada**
Ryan Lucas and Martha Conklin



2012 Yosemite Hydroclimate Meeting

Sponsored by Yosemite Resources Management and Science

Recommended Video:

Melting Snows – The Threatened Lifeblood of the Western U.S.

<http://www.ustream.tv/recorded/23475461>

NASA JPL von Karman Lecture Series: Tom Painter

Thursday, October 11th, *continued*

- 3:15-3:30 Break
- 3:30-4:00 **Merced River Hydrologic Simulation: USGS PRMS Demonstration**
Kathryn Koczot and Whitney Seymour
- 4:00-4:30 **The Effects of Climate Change on Hydrology and Stream Temperature in the Merced and Tuolumne River Watersheds**
Darren Ficklin, Iris Stewart, and Edwin Maurer
- 4:30-5:00 **Sierra Weather and Climate Update 2011-2012**
Kelly Redmond

Friday, October 12th

- 9:00-9:15 Introductions and meeting updates
- 9:15-9:45 **Seasonal Wildfire Forecast Models**
Tony Westerling
- 9:45-10:15 **A Groundwater Monitoring Network for Eroded, Restored, and Pristine Meadows in the Sierra Nevada**
Bob Rice and Martha Conklin
- 10:15-10:30 Break
- 10:30-11:00 **Gaining Public Consensus on Climate Change**
Bruce McGurk
- 11:00-11:30 **Modeling Discharge Rates for the Merced River**
John Shupe
- 11:30-12:00 **Group Discussion and Close**
Jim Roche, Bruce McGurk, and John Shupe