



Utah Workshop:

Snowpack monitoring for streamflow forecasting and drought planning

Tuesday, August 11, 2015 – 9:00 am to 4:00 pm

Jordan Valley Water Conservancy District Education Center

Mountain Mahogany Room

8275 South 1300 West, West Jordan, UT

<http://wwa.colorado.edu/events/workshops/UTsnow2015.html>

Agenda

- 9:00** **Welcome from Jordan Valley Water Conservancy District**
- 9:10** **Objectives and overview of the day - Tim Bardsley (WWA)**
- 9:20** **Summary of results of participant pre-survey – How do you use snowpack information, and for what purposes? - Elizabeth McNie (WWA)**
- 9:35** **NIDIS and the Upper Colorado River Basin Drought Early Warning System - Alicia Marrs (NIDIS) and Zach Schwalbe (Colorado Climate Center)**
- 9:55** **Measuring and modeling our snow-water resource - Jeff Deems and Noah Molotch (WWA and U. of Colorado)**

Current operational snowpack measurements and their use

- 10:35** **The NRCS SNOTEL/snow course network in Utah – Infrastructure status, data availability, and data characteristics; use of snow data in NRCS runoff forecasts - Randy Julander (UT NRCS)**
- 11:10** **Break**

- 11:25 Use of SNOTEL data in NOAA CBRFC runoff forecasts, and use of MODIS snow-covered area product to augment CBRFC runoff forecasts - Stacie Bender (CBRFC)**
- 11:55 User perspectives on operational snow data and needs**
- Bureau of Reclamation - Heather Patno
 - Central Utah Water Conservancy District - Tom Bruton
- 12:25 Lunch**
- 1:15 Open discussion – current use of operational snow data in resource management**

New spatially-distributed snowpack estimates

- 1:45 MODIS-modeled snowpack estimates – how they work, advantages, disadvantages - Noah Molotch (WWA and U. of Colorado)**
- 2:25 LIDAR- and hyperspectral-based SWE and albedo estimates from the Airborne Snow Observatory (ASO) - how they work, advantages, disadvantages - Jeff Deems (WWA and U. of Colorado)**
- 3:05 Break**
- 3:20 Open discussion – barriers and opportunities in using new spatially distributed snowpack data**
- 3:50 Review of what we’ve heard today – Tim Bardsley and Jeff Lukas (WWA)**
- 4:00 END / Collect workshop evaluation**

