

**62nd Annual Meeting of the
Rocky Mountain Hydrologic Research Center
28 September 2007
Wild Basin Lodge, Allenspark, Colorado**

- 8:00 --8:45** Registration and load PowerPoint Presentations
8:45--9:00 **Bill Lewis, President Rocky Mountain Hydrologic Research Center:** Introductory Remarks

Hydrobiological

- 9:00--9:20** **Jim Smith** , U.S. Geological Survey, Boulder, Colorado
Response of Beaver Dams on Headwater Tributaries of East Plum Creek to the 1965 Flood
9:20--9:40 **Eleanor Griffin**, U.S. Geological Survey, Boulder, Colorado
Erosional Consequences of Saltcedar Removal
9:40--10:00 **Greg Cronin**, Department of Biology, University of Colorado
Effects of Coal-bed Methane Discharge Waters on Soils and Vegetation
10:00--10:20 **Refreshment Break**

Biochemical

- 10:20--10:40** **Larry Barber**, U.S. Geological Survey, Boulder, Colorado
Fate of Emerging Contaminants in the Boulder Creek Watershed and Their Impact on the Aquatic Ecosystem
10:40--11:00 **Glenn Patterson**, U.S. Geological Survey, Fort Collins, Colorado
Some Observations on National Park Service Water Quality Monitoring in Rocky Mountain National Park, and on the Protection Status of Upper North St. Vrain Creek

Weather and Climate

- 11:00--11:20** **Klaus Wolter**, NOAA, Boulder, Colorado
Observed Temperature Trends in Colorado
11:20--11:40 **William Rense**, Allenspark, Colorado
Climatological Observations from Allenspark

11:40--13:00 ***Lunch available on site***

- 13:00--13:20** **Nolan Doesken**, Colorado Climate Center, Fort Collins, Colorado
A Review of the 2007 Water Year in Colorado
13:20:13:40 **John Moody**, U.S. Geological Survey, Boulder, Colorado
Effects of Topography on Convective Rainfall Characteristics in the Colorado Front Range

Sediment

- 13:40--14:00** **Kristin Bunte**, Engineering Research Center, Colorado State University, Fort Collins, Colorado
Helley-Smith Bedload Sampler deployed on Gravel Beds Collects Too Much, Particularly at Low Transport and on Fine-grained Beds
14:00--14:20 **Sandra Ryan**, U.S. Forest Service, Fort Collins, Colorado
Documenting Changes in Channel Form and Process Following Mountain Pine Beetle Outbreak in Subalpine Watersheds, Fraser Experimental Forest, Colorado
14:20--14:40 **Deborah Martin**, U.S. Geological Survey, Boulder, Colorado
Synthesis of Post-wildland Fire Sediment Yields in Different Rainfall Regimes in the Western United States

14:40--15:00 **Refreshment Break**

Hydrology

- 15:00--15:20** **Bob Milhous**, U.S. Geological Survey, Fort Collins, Colorado
An Adaptive Assessment of the Flushing Flow Needs of the Lower Poudre River, Colorado: First Evaluation
15:20--15:40 **Don Frevert**, Bureau of Reclamation, Lakewood, Colorado
A Multi-party evaluation of Drought and Runoff Frequency in the Colorado River Basin
15:40--16:00 **Maury Albertson and Robert Kerr**, Colorado State University
The Future of Water Resources Worldwide
16:00--17:00 **Board Meeting**