

# Upper Colorado River Basin Water Forum

October 31, 2011

### **Program**

Many thanks to the forum sponsors:

7:30 – Registration and Breakfast University Center Ballroom

Partners (\$2,000)

8:00 - Welcome and introductory remarks (Ballroom)

- Dr. Gigi Richard, Director, Water Center at Colorado Mesa University
- Hannah Holm, Coordinator, Water Center at Colorado Mesa University
- Dr. John Redifer, Professor of Political Science, Colorado Mesa University



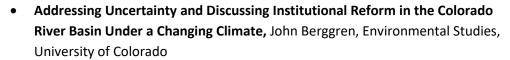
**8:15 - Climate Change and the Long-term outlook for Upper Colorado River Basin Water Resources** (Ballroom)

- Recent Report Addresses Growing Pressures Facing the Colorado River, Ted Kowalski, Colorado Water Conservation Board
- Desert Dust Impacts on Snowmelt and Hydrology in the Upper Colorado
   River Basin, Jeffrey S. Deems, NOAA Western Water Assessment, University of Colorado
- Colorado Dust-on-Snow Program Supporting Management of Colorado Snowmelt Runoff, Chris Landry, Center for Snow and Avalanche Studies, Silverton, CO
- Using Climate and Water Expertise to Support Stakeholders in the Upper Colorado River Basin, Eric Gordon, NOAA Western Water Assessment, University of Colorado



Benefactors (\$1,000)

9:15 - Negotiating Water Policy: Past, Present and Future (Ballroom)



- International Rivers and Water Resource Governance: Lessons for the Colorado River Basin, Dr. Tim Casey, Colorado Mesa University
- Colorado Cooperative Agreement A Model for Future Agreements? Chris
  Treese, Colorado River District
- Colorado's Water Wars and the passage of the Colorado River Storage
   Project of 1956, Dr. Steven C. Schulte, Colorado Mesa University



Grand Junction

10:15 - 10:30 Break



Patron (\$500)

## DENVER WATER

Sponsors (\$200)

US Department of Energy/ S&K Aerospace

Upper Colorado River Endangered Fish Recovery Program

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Exhibitors (\$100)

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Trout Unlimited

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10:30 - Indicators of Watershed Needs & Watershed-Based Initiatives (Ballroom)

- Plecoptera: Yet another group of river dwelling species starting to disappear in Colorado Dr. John D. Woodling, Woodling Aquatics
- Environmental Flow Needs and the Colorado Basin Roundtable Flow Evaluation Tool, Ken Neubecker, Western Rivers Institute
- Fish at the table and in the river: nearing a quarter-century in the Upper Colorado River Endangered Fish Recovery Program, Angela T. Kantola, Upper Colorado River Endangered Fish Recovery Program, US Fish and Wildlife Service

11:15 - Restoration: Case Studies (Ballroom)

- Restoring Our Rivers and Streams in the Colorado Basin, Cary Denison and Brian Hodge, Trout Unlimited
- Colorado River Protection Activities at the Moab Uranium Mill Tailings Remedial Action Project Site, Ken Pill, Pro2Serve, Inc. and the U.S. Department of Energy
- Monitoring and Evaluating Reclamation Outcomes: a Case Study of the Roy Pray Mine, near Lake City, Colorado, Ashley Bembenek, Lake Fork Valley Conservancy.

12:15 - Lunch/ "Pop-up" introductions by non-presenters (South Ballroom)

1:15 – 2:00 Poster Session (Lounge between South Ballroom and Patio)

- Watershed Boundary Dataset: Past and Present John Wesley Powell's Vision for the West, Kathy Isham and Jeff Simley, US Geological Survey
- The Chemistry and Dynamics of Selenium Mobilization in Western Colorado,
   Dr. Russell Walker, Colorado Mesa University
- Pilot-Scale Testing of a Passive Bioreactor for Removal of Selenium from Water, Tom Rutkowski, Golder Associates Inc. and Russ Walker, Colorado Mesa University
- Selenium in Fish Tissue: Prediction Equations for Conversion between Whole Body, Muscle, and Eggs, Barb Osmundson and Joe Skorupa, US Fish and Wildlife Service
- Field assessment of mercury exposure to Colorado pikeminnow within designated critical habitat, Barb Osmundson and Joel Lusk, US Fish and Wildlife Service
- Formation of a Watershed Group in the Colorado Basin: The Middle Colorado River Watershed Partnership of Garfield County, Colorado, John Lavey and Clark Anderson, Sonoran Institute; Denis Reich, Colorado Water Institute, Colorado State University; Jeff Crane, Colorado Watershed Assembly; Chris Treese, Colorado River District
- Evidence for Incision of the Colorado River Related to Historic (1880-1940)
   Arroyo Events in the Semi-Arid Southwest, Geoffrey Warden, Dr. Andres
   Aslan, Department of Physical and Environmental Sciences, Colorado Mesa
   University
- Geospatial Development of Governance Layers in the Colorado River Basin, Faith Sternlieb, Colorado Water Institute, Colorado State University

#### 2:00 - 3:15 CONCURRENT SESSIONS

#### 2:00 - Data Gathering and Sharing Projects (Conference Room 221)

- A Common Data Repository and Water-Resource Assessment for the Piceance Basin, Maria Pastore, on behalf
  of the West Divide Water Conservancy District and in collaboration with the US Geological Survey and the
  Piceance Basin Cooperator Group
- The NHD A Geospatial Infrastructure for Water, Jeff Simley, National Hydrography Dataset, US Geological Survey
- Alpine to Arid Hydrologic Observatory Monitoring Effects of Regional Climate Change on Snow Hydrology,
   Chris Landry, Center for Snow and Avalanche Studies, Silverton, CO
- The Cost of Not Sharing Data (Data Sharing Network), Barb Horn, Colorado Water Quality Monitoring Council,
   Colorado Division of Parks and Wildlife

#### 2:00 - Education Strategies and Collaboration Opportunities (Ballroom)

- The Colorado Climate Center's climate monitoring, research and educational outreach activities in the Upper Colorado River Basin, Nolan Doesken, State Climatologist
- Using Colorado Water 2012 to Increase Water Fluency: working with water professionals to translate the technical and help Coloradans speak fluent water, Kristin Maharg and Caitlin Coleman, Colorado Foundation for Water Education
- Watershed Groups in the Upper Colorado River (video), Denis Reich, Colorado Water Institute, Colorado State University

#### 2:45 - Geomorphology in Upper Colorado Basin Streams (Ballroom)

- Flash Flooding in the Colorado National Monument: Geomorphologic Process and Neighborhood Nuisance, Dr. Gigi Richard, Colorado Mesa University
- Channel Morphology of Red Canyon Wash, Colorado National Monument, Greg Indivero, Colorado Mesa University

#### 3:15 - 3:30 Break

#### 3:30 - Potential Solutions: Innovations in Water Use, Storage, Planning and Collaboration (Ballroom)

- Irrigation Innovations: Deficit Irrigation and the Grand Valley Small Acreage Irrigation Ambassador Program, Denis Reich, Colorado Water Institute, Colorado State University
- Feasibility of Aquifer Storage and Recovery in the Upper Colorado River Basin, Bruce Smith, Western Water & Land
- Getting Municipal Planners Involved with Water Demand Planning, Joanne Fagan, Town of Ridgway
- A Water Quality Balancing Act: Federal, State, and Local Agencies Partnering with Agricultural and Urban Communities in the Uncompanyer and North Fork valleys to protect Lower Gunnison Water Uses and Recover Endangered Fish Species, Dave Kanzer, Gunnison Basin and Grand Valley Selenium Task Forces

#### 4:30 – Happy Hour discussion & reflections on the day (South Ballroom and Adjacent Lounge)

#### 5:30 – Water Center Advisory Council Meeting (Ballroom)