

Program

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7:30 – Registration and Breakfast

University Center Ballroom

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

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

- **Addressing Uncertainty and Discussing Institutional Reform in the Colorado River Basin Under a Changing Climate**, John Berggren, Environmental Studies, University of Colorado
- **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

10:15 – 10:30 Break

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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 Uncompahgre 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)