

## Speaker Biographies

### November 6

#### 8:40 The Colorado River: What's so special about our little river?

##### **Gigi Richard, Associate Professor of Geology, Director of the Water Center, Colorado Mesa University**

Gigi Richard is currently an Associate Professor of Geology at Colorado Mesa University (CMU) in Grand Junction, CO in the Department of Physical and Environmental Sciences and the Faculty Director of the Water Center at CMU. She holds an M.S. and Ph.D. from Colorado State University in hydraulic engineering and a Bachelor of Science in civil engineering from the Massachusetts Institute of Technology. Gigi created the Watershed Science program at CMU and teaches water science and environmental geology classes. Her research on human impacts on rivers systems includes the study of downstream impacts of dams and levees on rivers in Colorado, New Mexico and New Zealand. Recent work has focused on better understanding the hydrology and morphology of intermittent streams in western Colorado and on the need for peak flows to maintain the channel form of the Yampa and Dolores Rivers in western Colorado. A resident of Colorado for 23 years, Gigi has experience in private engineering consulting and served on water quality and land use planning commissions in Summit County, Colorado from 1990 to 1996.

#### 9:00am Understanding and using Water Supply and Streamflow Forecasts

##### **David Graf, Colorado Parks & Wildlife (Moderator)**

David Graf currently works as Regional Water Specialist for Colorado Parks and Wildlife in Grand Junction. In this capacity he roughly splits time between overseeing a portfolio of CPW water rights used on State properties on the western slope, and integrating his hydrologic expertise with general knowledge in aquatic species conservation, riparian restoration, and fluvial geomorphology to promote water stewardship on behalf of aquatic species. He currently serves as CPW liaison to the four west slope Basin Roundtables, and serves as an Advisory Council member to the Water Center at CMU. He has prior experience in the private sector as a hydrologic consultant, and has taught high school math, built houses, and sold retail gear to sustain interests in a variety of outdoor activities.

##### **Imtiaz Rangwala, Western Water Assessment, University of Colorado**

Imtiaz is a research associate with the Western Water Assessment at University of Colorado, Boulder. He is a climate researcher with training in assessing and diagnosing regional scale climate change, with an emphasis on high elevation regions such as the Colorado Rocky Mountains and the Tibetan Plateau. He employs the use of observations and climate models for understanding climate feedbacks, water and energy budgets, and communicating future climate change scenarios for natural resource management in the US Southwest.

##### **Chris Landry, Center for Snow and Avalanche Studies, Colorado Dust-on-Snow Program**

Chris Landry has been the Executive Director for the Center for Snow and Avalanche Studies since its founding in 2003, in Silverton, CO. In that role, Landry identified and then developed the CSAS's Senator Beck Basin Study Area on Red Mountain Pass in the San Juan Mountains, at Red Mountain Pass. CSAS and its Senator Beck Basin have since become a venue for interdisciplinary American and international snow system research, long-term mountain system monitoring, field education, international dust-on-snow workshops, and the home base for the Colorado Dust-On-Snow program (CODOS), a state-wide dust-on-snow and mountain snowmelt monitoring program providing operational monitoring and analysis services to the Colorado water management community.

##### **Kevin V. Werner, NOAA**

Kevin is the Service Coordination Hydrologist at NOAA/NWS Colorado Basin River Forecast Center. In this role, Kevin works to connect water predictions and science with people and organizations that benefit from forecasts and understanding of the Colorado and Great Basin rivers. The River Forecast Center has expertise in forecasting water from the very short flash flood time scale to the longer seasonal scale for water supply. All of these forecasts provide critical information to decision makers. In previous positions Kevin has worked to infuse new science and technology into river forecast operational procedures and methodologies.

### 10:20am – Water Quality and Habitat Initiatives

#### **Shannon Hatch, Tamarisk Coalition (moderator)**

Shannon Hatch has worked at the Tamarisk Coalition as a Restoration Coordinator since 2010. She is currently leading up the Desert Rivers Collaborative, a multi-stakeholder group focused on the improvement of riparian lands along the Colorado and Gunnison Rivers. She previously worked for a local land trust, and in various tool-wielding capacities for the National Park Service and US Forest Service.

#### **Elizabeth Moran, S & K Moab TAC Team, Contractor for the US Department of Energy**

Elizabeth has worked as a Hydrogeologist on the Moab UMTRA Project for 8 years. Before working in Moab, Elizabeth worked as Geologist at the Nevada Test Site. She has a Bachelors in Geology from Northern Illinois University and a Masters in Geology from the University of Nevada Las Vegas.

#### **Claudia Strijek, Strijek Design**

Claudia Strijek is a professional graphic designer who recently completed a degree in environmental studies and biology at Western State Colorado College. She is interested in combining her visual communication skills with ecological knowledge to address issues such as habitat restoration, biological monitoring, and avian ecology. Claudia has been involved in restoration projects since 2000. When she is not working, you will find her somewhere in the backcountry fly fishing or bird watching.

#### **Lisa MacDonald, Pitkin County**

Lisa is a Paralegal for Pitkin County and staff liaison for the county's Healthy Rivers and Streams Board.

### 11:20 Permitting Canal Hydropower Projects: Effects of Recent Legislation

#### **Mel Rettig, Rettig Farms (Moderator)**

Mel has spent his life at the fruit and vegetable farm he currently operates. He attended Colorado State University and earned a degree in agricultural engineering specializing in irrigation and drainage. He is a current or former member of the Orchard Mesa Irrigation District, Mesa County Farm Bureau, Mesa Conservation District, Colorado State Conservation Board, noxious weed advisory committees for Colorado and Mesa counties, Colorado Farm Bureau Water Committee, Colorado Ag Water Alliance Committee, Colorado Basin Roundtable, Denver Water Citizens Advisory Committee, the Ute Water Conservancy District Board of Directors and the Advisory Council for the Water Center at Colorado Mesa University.

#### **Ted Dunn, US Bureau of Reclamation**

Ted has been with the Bureau of Reclamation for 21 years. He is currently the Deputy Area Manager for the Western Colorado Area Office. Prior to that he was the Facilities Manager for the Curecanti Field Division. He was responsible for Blue Mesa, Morrow Point, Crystal, Upper and Lower Molina powerplants. He served in the US Navy for nine years as an Electronics Technician. Ted is a native Coloradoan.

#### **Steve Fletcher, Uncompahgre Valley Water Users Association**

Steve is the General Manager of the Uncompahgre Valley Water Users Association, located in Western Colorado.

### 1:30 Historical and Literary Perspectives on Western Water Challenges

#### **Dr. Steven Schulte, Colorado Mesa University (Moderator)**

B.S., University of Wisconsin--River Falls (1977); MA, Colorado State University (1979); Ph.D., University of Wyoming (1984). Dr. Schulte's research and teaching interests include American Indian history, the American West, western politics, and American environmental history. He is the author of *Wayne Aspinall and the Shaping of the American West* (University Press of Colorado, 2002) and is finishing a book on Colorado's Water Wars. When not at his Colorado Mesa University office, he can be found fighting-off old age on the tennis courts of Grand Junction.

#### **Daniel Ryan Danielle Ryan Ph.D. Candidate, McMaster University, Adjunct Professor, Western State Colorado University**

Danielle Ryan is a Ph.D. candidate in Environmental History at McMaster University in Hamilton, Ontario working under Dr. Michael Egan. Her dissertation, tentatively titled "Standing from the Ground: An Environmental and Social History of Resilience in Colorado's Headwaters Communities, 1850-2050," will look at the development of Colorado's headwaters communities in order to find social and ecological resilience in the face of challenges from external pressures. This project will analyze social and ecological resilience in mining, recreational, tourist, ranching, and agricultural communities in Colorado. Through a series of case studies this

project seeks to understand how different communities in the headwaters have come to understand themselves and their histories and how they have learned to stand from the ground and stay in this beautiful, if sometimes challenging, place. She is also an adjunct professor in Western State Colorado University's Environment and Sustainability Department.

#### **Greg Trainor, City of Grand Junction**

Currently the Public Works, Utility and Planning Director for the City of Grand Junction, Greg Trainor has been closely associated with water for most of his career in Colorado municipal government. Greg has held positions with the City of Colorado Springs as the assistant to the Utility Director, Town Manager for the Town of Rangely in Northwest Colorado, Job Site Coordinator with Atlantic Richfield Company during the planning and construction of the Battlement Mesa New Town, and as Project Manager for the Colorado River Water Conservation District's Taylor Draw Dam near Rangely Colorado.

The City of Grand Junction's Public Works Department provides water, wastewater and solid waste services to residents of the City of Grand Junction. In addition to engineering planning service, it is responsible for the City's storm water and street maintenance programs.

Greg presently serves on the Colorado River Basin Roundtable, representing Mesa County municipalities, is the Past-president of United Way of Mesa County, and an officer in the Southwest Chapter of the River Management Society.

Greg graduated from Colorado State University in 1970 with a BA in Political Science and History. In 1972 he graduated from Brigham Young University with a Masters in Public Administration.

#### **Dr. Jeff Sellen, Western Colorado State University**

Jeff Sellen is an Assistant Professor in the Environmental Studies Program at Western State Colorado University, where he teaches classes in U.S. and global environmental politics and policy and water policy. He is also the Director of the Colorado Water Workshop, which is held annually in July in Gunnison.

#### **2:10 – 2:50 Water education: Reaching the General Public**

#### **Dr. Jeffrey Sellen, Western Colorado State University (Moderator)**

Jeff Sellen is an Assistant Professor in the Environmental Studies Program at Western State Colorado University, where he teaches classes in U.S. and global environmental politics and policy and water policy. He is also the Director of the Colorado Water Workshop, which is held annually in July in Gunnison.

#### **Nicole Seltzer, Colorado Foundation for Water Education**

Nicole Seltzer inspires curiosity, advocates for learning and creates community for the people of Colorado through great water education. She is the Executive Director of the Colorado Foundation for Water Education, a non-profit organization whose vision is that all Coloradans make more informed water resource decisions through exposure to accurate and balanced water information. Nicole developed a passion for water issues while at the University of Kansas, and then expanded her knowledge with a Master's degree in Water Resources from the University of Vermont. She previously performed community and media relations work for the U.S. EPA and the Northern Colorado Water Conservancy District, and volunteered on several non-profit Boards including the Colorado Watershed Assembly. She has led the Foundation through a period of growth by doubling staffing levels, diversifying programs, and increasing the budget by over 60% during her tenure. Nicole's work interests spill over into her personal life: most of her vacation time is spent guiding various inflatable boats down Western rivers.

#### **George Sibley, Gunnison Basin Roundtable**

George Sibley is a freelance writer and retired educator who has lived in the Upper Gunnison valley on Colorado's West Slope most of the past 45 years. From 1988 through 2007 he taught journalism and regional studies at Western State Colorado University in Gunnison, and also coordinated special projects there, including the college's annual fall Headwaters Conference, summer Water Workshop, and spring Environmental Symposium.

Since retiring from the university, in addition to writing, he has become more directly involved in water issues; he currently serves on the board of the Upper Gunnison River Water Conservancy, and is education coordinator for the Gunnison Basin Roundtable.

As a writer, his most recent major work is *Water Wranglers*, a history commissioned by the Colorado River District about that organization's role in the development of Colorado's share of the Colorado River. Previous books were *Dragons in Paradise* and *Part of a Winter*, both collections of essays about contemporary life from a mountain perspective. He has also authored short histories of Crested Butte and Crawford, Colorado. His essays and articles have appeared in nationally distributed publications – *Harper's Magazine*, *Technology Illustrated*, *High Country News*, *New Age Journal* and *Old West*; and regional publications like *Colorado Central* and *Mountain Gazette*. His work also appears in several western anthologies.

*3:10 What Pressures are Agricultural Producers in the Colorado River Basin Experiencing in Regard to Environmental Issues and How Are They Dealing with Them?*

**Peter Leigh Taylor, Colorado State University (Moderator)**

Peter Leigh Taylor is an Associate Professor of Sociology at Colorado State University. His research interests lie in environmental governance and community-based natural resource governance, including how people organize formally and informally to manage their forest and water resources.

**John Ott, Animas Consolidated Ditch, CO**

John was born in Durango and grew up as part of a large Forest Service family on the southern flank of the La Plata Mountains near Mancos. He spent a fair amount of time in his youth cleaning ditches. After getting his degree in Geology from Fort Lewis College, John spent 10 years as a precious and base metal consultant in just about every western state, Alaska and British Columbia. John met and married Julie James in 1990 and became part of the dynamic of the families at the James Ranch. He has served on the board for the Animas Consolidated Ditch since 1992 and was president of the board 1995 to 2013. John has also served on the board for the Animas Water Company since 2005 and has been the General Manager since 2009. John is a Certified Water Operator in the State of Colorado.

In 2000 John and Julie bought the James Ranch Tree farm from Julie's parents, Kay and Dave James. For 10 years John has been growing, transplanting and moving native spruce trees with his tree spade trucks to every corner of LaPlata County.

A father to three boys, Gunther 20, Abe 17, and Stanton 14, John has helped his wife, Julie, school all three boys at home through their middle school years on the James Ranch. John was a youth soccer coach for 8 years and is the President of the Durango Nordic Ski club board and a member of the executive committee of the Durango Winter Sports Foundation. After participating with their boys in their local 4-H club for the past seven years, John and Julie volunteered to be the main leaders for the Animas Valley 4-H club. John is a long time Durango community member and very committed to being involved in his children's lives.

**Larry Hicks, Little Snake River Water Conservation District, WY**

Larry's accomplishments include being 1982 Wyoming Rodeo Association Year end Champion Bull Rider; 1983 BS Crop science UW; 1986 MS Agronomy Montana State Univ.; PhD candidate and Faculty @ UW 1986-1991; 22 years as Natural Resource Coordinator for the Little Snake River Conservation District in Baggs, WY.

Larry has developed and implemented water, land, and wildlife conservation programs on over 3 million acres of mixed federal state and private lands. Lead numerous collaborative watershed based conservation projects in the Little Snake Basin. Projects have received national recognition for watershed based collaborative natural resource management. Larry's past times include raising Missouri Fox Trotter Horses, horse packing, and big game hunting across North America.

**Bill Brandau, Farmer on the Gila River, AZ**

Bill grew up in a small town in south Texas on what now is called a small acreage place with my parents growing stuff to feed our family. He attended Texas A&M like all poor boys from Texas and earned a Bachelor and Masters. One of his first jobs was working on a ranch making \$300.00 per month. He got an offer from the BLM to be a Range Conservationist in Safford, Arizona and fully intended to return to Texas after earning money and that was 37 years ago.

Bill met his wife Lolene and they have four sons. They live on a small irrigated farm in the Gila Valley and grow pasture and cattle. The Gila River took most of their irrigated land and that was his first personal experience with water issues. He is the President of the Brown Canal which supplies water to their farms and has been working with FEMA for 9 years on canal damage.

During his 31 year with the BLM he served in a variety of positions from a Range Conservationist working with ranchers and ending my career as the Safford Field Manager providing leadership to management of the public lands in the eastern third of Arizona. This provided him with a grand experience with water issues dealing; drought on public lands, managing Threatened and Endangered species, working with communities that relied on Public Lands for water and erosion control projects and firefighting throughout the United States on an Interagency Type 1 team.

Bill's second career started 6 years ago as the extension agent for Graham County focusing on watershed issues. It provides him the opportunity of working in the watershed without an agenda. He is currently working with Office of Arid Lands on a project evaluating the long term impact of watershed management actions on the San Simon Watershed and a project called Supporting Watershed Management Planning for People and the Environment in the Desert Landscape Conservation Cooperative Region: A Demonstration in the Upper Gila River Watershed with the Water Research Resource Center, University of Arizona. He teaches two classes at Eastern Arizona College: Ecology of the Gila River and Gardening and Landscape. His office also has the 4H program, educational opportunities in a program called "Living in Graham County" where they teach people remember old ways of living. They also provide oral health education to families.

Bill is the chair of the Gila Watershed Partnership which started in 1992 dedicated to the betterment of the Upper Gila Watershed. It is the oldest watershed group in Arizona. It operates under a philosophy of respectful disagreement while helping our community and watershed. Projects include; Upper Gila Watershed Riparian Restoration Project, E-Coli Reduction of the San Francisco River, a BOR water appraisal study of the Upper Gila, water education, water conservation projects and site specific river and watershed restoration projects.

4:10 – 5:00 Finding Common Ground between Agricultural and Conservation Stakeholders: Participant report from a 6-month dialogue sponsored by the Walton Family Foundation and the Colorado Cattlemen's Association

**Hannah Holm, Water Center at Colorado Mesa University (Moderator)**

Hannah is the coordinator of the Water Center at Colorado Mesa University, which promotes research, education and dialogue to address the water challenges facing the Upper Colorado River Basin. She previously worked on drinking water protection issues for Western Colorado Congress, served on her local watershed group board in Pennsylvania, and staffed natural resource committees for the North Carolina legislature. She has a joint Master's degree in Community & Regional Planning and Latin American Studies from the University of Texas at Austin.

**Cary Denison, Trout Unlimited**

Cary is the Gunnison River Coordinator for Trout Unlimited. He formerly served as a Water Commissioner for the Colorado Division of Water Resources and as a water resources consultant. He grew up in the North Fork Valley and currently irrigates land near Ridgway.

**Randy Carver, Montezuma Valley Irrigation Company**

Randy is a current shareholder and former President of the Montezuma Valley Irrigation Company in Southwest Colorado.

5:00 Short films from the Colorado College State of the Rockies Project "Powell to Powell: Portraits of the Upper Colorado."

**David Spiegel, Filmmaker**

David grew up in Woodinville, Washington and graduated in 2012 with a degree in International Political Economy. David grew up in a family of river runners and experienced the rivers of the west coast from a young age. He first discovered his love for the Colorado River during a Grand Canyon expedition in 2007 and has since paddled many of the river's wilderness sections. David joined the 2012 expedition hoping to utilize his passion for photography and social media to share water related issues with the communities that depend on the river.

**November 7**

8:40 After the Colorado River Basin Water Supply and Demand Study: What's next?

**Ted Kowalski, Colorado Water Conservation Board (Moderator)**

Ted Kowalski is currently the Chief of the Interstate and Federal Section of the Colorado Water Conservation Board. In that position he provides technical and legal assistance to the CWCB regarding negotiations and strategies related to the law of the Colorado River, Endangered Species Act, Recovery Program issues, and other program areas of the Interstate and Federal Section. Prior to that, Ted served as the program manager for the same section. From February 2000 until August 2004 he was a legal protection specialist with the Board. From September 1995 to January 2000 he served as Assistant Attorney General in the Water Rights Unit of the Office of the Attorney General, Natural Resources Section. He has a B.A. in Political Science/Government from Cornell University and a J.D. and Certificate in Natural Resources and Environmental Policy from the University of Colorado, School of Law.

**Eric Kuhn, Colorado River District**

Eric Kuhn is the General Manager of the Colorado River Water Conservation District (River District). The River District is the largest and oldest of Colorado's four conservation districts. It was chartered by the Colorado General assembly in 1937 to "preserve and conserve for Colorado, its Colorado River compact entitlement". The District covers the Colorado River Basin except for the San Juan and lower Dolores River Basins. Eric began his employment with the district in 1981 and became manager in 1996.

**Marc Waage, Denver Water**

Marc Waage leads the water resources planning section of Denver Water which is responsible for long range water planning, watershed planning and planning for climate change adaptation. Marc also works on technical and policy issues through the Front Range Water Council, Metro Water Roundtable and the Water Utility Climate Alliance. Prior to working in water resources planning, Marc directed the operation of Denver Water's extensive water collection system for twenty years. Early in his career, Marc worked for the Bureau of Reclamation and the Bureau of Indian Affairs on irrigation projects in Colorado and Montana. Marc has a Bachelor's and a Master's degree in Civil Engineering from Colorado State University and is a professional engineer. Marc likes to spend his free time recreating in Denver's high mountain watersheds.

**John Sanderson, The Nature Conservancy**

John Sanderson is Director of Science for the Nature Conservancy of Colorado. John has a special interest in how water moves through wetlands and rivers to maintain healthy ecosystems. With this expertise, John provides technical support to the Colorado Water Conservation Board, Basin Roundtables, and water projects across Colorado. He also manages a staff of scientists and project directors to maintain what Coloradans love and value about nature while we meet people's needs for food, energy, and clean, reliable water supplies. John holds a BS in Engineering from Purdue University, an MS in Botany from the University of Vermont, and a PhD. in Ecology from Colorado State University.

**Dave Kanzer, Colorado River District**

As a Senior Water Resources Engineer for the Colorado River District, Kanzer has been working on the innumerable water quality and quantity issues facing water users in the Colorado River Basin for most of the last 18 years.

Recently, Kanzer has been active in both big and small picture issues, participating in the Colorado River Basin Study project team as well as in many Lower Gunnison River Sub-basin efforts, primarily focused upon agricultural issues, including productivity, water supplies, demands and uses. Specifically, he is the River District's point person for the Selenium Task Force, associated Selenium Management Program, the Colorado River Salinity Control Forum workgroup and the Gunnison Basin Roundtable.

Kanzer earned his Bachelors and Masters Degrees in Geological Engineering at the Colorado School of Mines. He resides in Glenwood Springs, and as an avid telemark skier and whitewater enthusiast, he carefully monitors the snowpack for more reasons than one.

## 10:20 Urban Conservation Tools

### **Greg Trainor, City of Grand Junction (Moderator)**

Currently the Public Works, Utility and Planning Director for the City of Grand Junction, Greg Trainor has been closely associated with water for most of his career in Colorado municipal government. Greg has held positions with the City of Colorado Springs as the assistant to the Utility Director, Town Manager for the Town of Rangely in Northwest Colorado, Job Site Coordinator with Atlantic Richfield Company during the planning and construction of the Battlement Mesa New Town, and as Project Manager for the Colorado River Water Conservation District's Taylor Draw Dam near Rangely Colorado.

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Greg graduated from Colorado State University in 1970 with a BA in Political Science and History. In 1972 he graduated from Brigham Young University with a Masters in Public Administration.

### **Kate Gardner, Center for ReSource Conservation**

Kate Gardner is the Senior Water Programs Manager for the Center for ReSource Conservation (CRC). The CRC implements a variety of cutting-edge water conservation programs across the State of Colorado in partnership with more than 25 municipalities. Through helping over 10,000 homeowners and businesses learn more about the importance of water and providing practical ways to conserve, Kate has become very well versed in both indoor and outdoor water conservation features and water saving solutions. Prior to joining the CRC, Kate worked as program staff for the Colorado Alliance for Environmental Education and coordinated the Colorado Environmental Film Festival. Kate holds a degree in Business Administration from the University of Colorado, Leeds School of Business.

### **Dan Stellar, Center for ReSource Conservation**

Dan Stellar is the Senior Director of Sustainability Programs for the Center for ReSource Conservation, where he is responsible for overseeing the organization's water and energy programs. CRC implements water conservation projects in cooperation with nearly 30 water providers and serves over 30,000 customers per year, and Dan leads these efforts. In addition to leading program implementation, Dan has also been actively involved in developing methods to analyze the impact of water conservation programs. Dan has written several articles and given numerous presentations about a full range of water-related issues. In addition to his work at CRC, Dan also serves on the board of Colorado WaterWise. Prior to joining CRC, Dan managed the Water Center at Columbia University for nearly 4 years. Dan holds an undergraduate degree with high honors from the University of Massachusetts at Boston, a graduate degree with honors from Columbia University and is currently completing a Water Resources Certificate from Colorado State University and is participating in the Mountain States Employment Council's Nonprofit Leadership Institute.

## 11:00 Planning for and adapting to water shortages

### **Chris Treese, Colorado River District (Moderator)**

Chris Treese is the Manager of External Affairs for the Colorado River Water Conservation District, more commonly known as the River District. Chris manages a department that is responsible for the River District's legislative and regulatory governmental relations in Denver and D.C. as well as the District's water education and public information efforts. In short, Chris describes his job responsibilities as everything you don't want lawyers and engineers doing – including moderating upper basin state representatives on the future of the Colorado River. Chris moved from Denver to the wetter, better side of Colorado in 1982 to be the boomtown advisor for Union Oil's oil shale project. He now lives in Glenwood Springs. He and his wife have a 20-year old daughter attending CU Colorado Springs. When not working, he pretends his knees can still bike, rock climb, ski, and play ice hockey. Chris has Bachelors and Masters degrees in Economics, which he finds largely irrelevant to his current work.

### **Tom Buschatzke, AZ Department of Water Resources**

Tom Buschatzke is the Assistant Director of the Water Planning Division of the Arizona Department of Water Resources overseeing five sections: Colorado River Management; Active Management Areas; Active Management Area Planning and Data Management; Assured and Adequate Water Supply and Recharge Permitting; and Statewide Planning and Tribal Liaison. These are the Department's primary planning and policy functions for the management of the State's water supplies.

From 2002 through July 2011 Tom served as the City of Phoenix' Water Resources Management Advisor and was responsible for policy development for management of the City's water resources and worked with City executive staff, the City Manager, the Mayor, and with members of City Council on a variety of water issues. Mr. Buschatzke also served as the City's liaison with the Salt River Project, the Central Arizona Project and the Arizona Department of Water Resources.

Mr. Buschatzke has been on the Board of Directors of the Western Urban Water Coalition and served as Chair of their Endangered Species Act Committee. He was the Co-Chair of the Statewide Water Resources Development Commission and was on the Governor's Blue Ribbon Panel on Water Sustainability where he served as Co-Chair of the Regulatory and Permitting Group. He was a Commissioner on the Arizona Water Banking Authority and the Arizona Water Protection Fund. He was the City's representative on the Statewide Water Advisory Group and on the Governor's Colorado River Advisory Council. He served on the External Advisory Committees of the University of Arizona's Water Sustainability Program and Water Resources Research Center and the Decision Center for A Desert City at Arizona State University. He has been a member of the Colorado River Water User's Association; American Water Resources Association; and the American Water Works Association.

Mr. Buschatzke's career in Arizona water resources began with a 1982 Arizona Department of Water Resources internship in the Phoenix AMA and he ultimately became a Program Manager in the Adjudications Division. He moved to the City of Phoenix in 1988 as a Hydrologist in the Law Department where he provided assistance to City management and attorneys on issues relating to the City's water rights, water use and water supply.

### **Taryn Finnessey, Colorado Water Conservation Board**

Taryn Finnessey works on Drought Planning and Climate Change for the Colorado Water Conservation Board. Taryn provides technical assistance to water providers and users throughout Colorado in the development, implementation, and monitoring of drought mitigation planning programs, including managing the Colorado State Drought Mitigation and Response plan. Taryn also provides technical expertise in efforts to analyze the impacts of climate change on water resources and future demands.

She holds a B.A. in Earth and Environmental Science from Wesleyan University, and a M.A. in Global Environmental Policy from American University.

### **12:00 Keynote Speaker**

#### **James Eklund, Colorado Water Conservation Board**

James Eklund is the director of the Colorado Water Conservation Board. As a lawyer and a government official, Eklund is already a disappointment to much of his family on the Western Slope. He is redeemed in their eyes, however, because he drinks whiskey and fights over water (but never at the same time). The CWCB protects the state's water with responsibilities ranging from the Colorado Water Plan to Flood preparedness and response. Eklund is a graduate of Stanford University and the University of Denver College of Law (neither of which, his father is quick to note, made him any better at cleaning ditches or irrigating pasture). The Upper Colorado River endangered fish he most identifies with is the Razorback Sucker because he thinks of himself as sharp but also somewhat gullible.

### **1:30 Panel Discussion: Are changes in inter-state water administration needed to allow cross-state water marketing, banking or other allocation tools?**

#### **Mark A. Hermundstad, Williams, Turner & Holmes, P.C. (Moderator)**

Mark A. Hermundstad practices law in Grand Junction and is a shareholder in the law firm of Williams, Turner & Holmes, P.C. He graduated from the University of Wisconsin-Stevens Point and received his law degree from the University of Colorado. Mr. Hermundstad is licensed to practice law in Colorado and Utah. His practice concentrates on water rights and real estate matters in Western Colorado and Eastern Utah. Mr. Hermundstad's

water rights clients include ranchers, businesses and energy companies, local government entities, irrigation organizations, and individual landowners. He has given numerous presentations on water law, governmental law, and other legal topics to various community, business and professional organizations.

#### **Dr. Daniel Craig McCool, University of Utah**

Professor McCool's research focuses on water resource development, public lands policy, voting rights, and Indian water rights. He is the author of: *River Republic: The Fall and Rise of America's Rivers* (2012); *Native Waters: Contemporary Indian Water Settlements and the Second Treaty Era* (2002) and *Command of the Waters: Iron Triangles, Federal Water Development, and Indian Water* (1987/1994). He co-authored: *Native Vote: American Indians, the Voting Rights Act, and Indian Voting* (2007); *Staking Out the Terrain: Power and Performance Among Natural Resource Agencies* (1996, 2d ed); and *Public Policy Theories, Models and Concepts* (1995). He edited two books with his students: *Waters of Zion: The Politics of Water in Utah* (1995) and *Contested Landscape: The Politics of Wilderness in Utah and the West* (1999). His latest edited book is *The Most Fundamental Right: Contrasting Perspectives on the Voting Rights Act* (2012). He has served as a consultant for the National Oceanic and Atmospheric Administration, the U. S. Department of Justice, The ACLU's Voting Rights Project, and the Southwest Center for Environmental Research and Policy.

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Mr. Buschatzke has been on the Board of Director's of the Western Urban Water Coalition and served as Chair of their Endangered Species Act Committee. He was the Co-Chair of the Statewide Water Resources Development Commission and was on the Governor's Blue Ribbon Panel on Water Sustainability where he served as Co-Chair of the Regulatory and Permitting Group. He was a Commissioner on the Arizona Water Banking Authority and the Arizona Water Protection Fund. He was the City's representative on the Statewide Water Advisory Group and on the Governor's Colorado River Advisory Council. He served on the External Advisory Committees of the University of Arizona's Water Sustainability Program and Water Resources Research Center and the Decision Center for A Desert City at Arizona State University. He has been a member of the Colorado River Water User's Association; American Water Resources Association; and the American Water Works Association.

Mr. Buschatzke's career in Arizona water resources began with a 1982 Arizona Department of Water Resources internship in the Phoenix AMA and he ultimately became a Program Manager in the Adjudications Division. He moved to the City of Phoenix in 1988 as a Hydrologist in the Law Department where he provided assistance to City management and attorneys on issues relating to the City's water rights, water use and water supply.

#### **John McClow CO Representative to the Upper Colorado River Basin Commission**

John McClow was re-appointed to the Colorado Water Conservation Board in 2012 and is serving as the Chair. John was the Vice-Chair in 2011. He is General Counsel for the Upper Gunnison River Water Conservancy District, and is a member of the Gunnison Basin Roundtable and the Seventh Judicial District Commission on Judicial Performance. He also serves on the Board of Directors of the Gunnison Ranchland Conservancy Legacy,

and is a life member of Trout Unlimited and Rocky Mountain Elk Foundation. John is a graduate of the University of Colorado and University of Colorado School of Law.

3:00 September's Extreme Weather: How the weather system that flooded Colorado's Front Range affected the Upper Colorado River Basin

**Dr. Jeff Lukas, Western Water Assessment, University of Colorado**

Jeff is Senior Research Associate with the Western Water Assessment (WWA), a NOAA-funded research program at the University of Colorado's Cooperative Institute for Research in Environmental Sciences (CIRES). His activities reflect the program's broad mandate to work with resource managers to better understand and plan for climate-related vulnerabilities—from drought to floods to beetle infestations—in the Rocky Mountain West. His own research centers on the use of multi-century tree-ring records to reconstruct past hydrologic variability in Colorado and the interior West. For the past decade he has partnered with water resource managers at the local, state, and federal levels to facilitate the use of paleohydrology and other climate information in their modeling and planning. He is currently leading the update of WWA's 2008 *Climate Change in Colorado* report to the Colorado Water Conservation Board. Jeff has a BA in Geography from the University of Colorado and an MS in Forestry from the University of Montana.