

Speaker Biographies

2nd Annual Salt Lake Countywide Watershed Symposium

October 28th and 29th, 2008

Biography Information listed in alphabetical order of the presenter. Please note that several biographies are unavailable. Listen at the beginning of each session for more details on presenters not listed in this document.

Dorothy Adams | Salt Lake Valley Health Department

Dorothy has worked for the Salt Lake Valley Health Department for 22 years. She started working in Sanitation and Safety and then moved to Water Quality and Hazardous Waste to run the County's household hazardous waste program. The program has expanded from one-day collection events to two permanent facilities, two centers which exclusively collect antifreeze, batteries, oil and paint, multiple community collection event, fluorescent tube collection centers, and pharmaceutical drop off sites. Dorothy graduated with a degree in Resource Economics from the University of New Hampshire and obtained her master's degree in Public Administration from the University of North Carolina at Chapel Hill.

Brent L. Beardall, P.E. | Salt Lake County Flood Control & Water Quality Division

Mr. Beardall is the Engineering Manager for the Salt Lake County Engineering Division. He has been with the County since 1977 and been a supervising engineer since 1981. Before coming to the County he spent a year with a private engineering firm and 2 years with the United States Army. While in the Army he served as a heavy equipment platoon leader and a water purification unit commander.

Mr Beardall attended Utah State University graduating with a B.S. degree in Civil and Environmental Engineering in 1974. He is a licensed professional engineer in the state of Utah. He belongs to American Society of Civil Engineers, the American Public Works Association, Utah Floodplain and Storm Water Managers Association and the Association of State Floodplain Managers.

Mr. Beardall lives in Midvale, Utah with his wife the former Melanie Bradley and enjoys spoiling their grandchildren and then sending them home.

Jared C. Bennett

Jared C. Bennett is an Assistant United States Attorney for the District of Utah and deals primarily with environmental issues, including the Clean Water Act, in both civil and criminal matters. Prior to serving as an Assistant United States Attorney, Jared was hired as an Honor's Program Attorney for the Solicitor's Office in United States Department of the Interior and clerked for the Honorable Pamela T. Greenwood on the Utah Court of Appeals. Since 2004, Jared has taught at the University of Utah in the field Environmental Law. He graduated Order of the Coif from the University of Utah College of Law in 2001 with a Certificate in Environmental and Natural Resources Law and also has a Master of Public Administration from the University of Utah. Jared enjoys spending time with his beautiful wife and his four active children.

Steve Brozo | Design Workshop

Steve Brozo is an Associate and licensed Landscape Architect with five years of experience at Design Workshop's Salt Lake City office where he is a Project Manager and office Operations Manager. After serving in the United States Air Force, Steve earned his bachelors degree from the University of Massachusetts at Amherst and completed a one year study abroad program at Lincoln University in Christchurch, New Zealand.

Steve's interests are focused around urban land use trends and how the shape of cities will be influenced by water shortages, rising fossil fuel costs, the economic conditions that we are facing today and the escalating energy crisis. Steve is particularly interested in incorporating progressive storm water practices, alternative energy solutions and efficient material and water use practices in urban environments.

Steve's project experience ranges from large urban scale projects like the new Union Park development in downtown Las Vegas to Parks and Open space design and implementation at Daybreak and winter resort planning and design at Hakuba, Japan and several resorts in Utah.

Kathlyn Collins | Salt Lake County Flood Control & Water Quality Division

Kathlyn Collins has been working on urban streams, wetlands and wildlife habitat issues in Utah for 20 years. She has work for Salt Lake County since 2002 collecting stream stability data and developing the stream assessment protocol that she will present today. Previous to that, she developed a plan for Murray City to integrate habitat with a portion of the Jordan River Parkway; developed plans for the now completed Mill Creek Parkway in Moab; worked on the Kennecott mitigation Shorebird Reserve on the south shore of Great Salt Lake, and was project manager for the initial environmental investigations and recommendations for the West Davis Highway now called the Legacy Highway. She has an undergraduate degree in Wildlife Science from Purdue University and a Masters in Landscape Architecture from Utah State University. She has a new business called The Gardening Coach that helps homeowners with their landscapes and low watering challenges.

Amy Defreese

Amy Defreese is a transplant to Utah from Michigan, where she earned a Bachelor of Science degree in Wildlife Ecology & Management from the University of Michigan. After several years as a wilderness ranger and hydrological technician with the Forest Service, she entered the policy arena to work for the U.S. Army Corps of Engineers, where she administered and enforced Section 404 of the Clean Water Act within the state of Utah. She completed a Masters in Engineering from the University of Arizona in 2005, with an emphasis in Water Resources and Planning.

Jeff DenBleyker | CH2M HILL

Jeff DenBleyker moved to Salt Lake City from the great state of Iowa 12 years ago. He has been at CH2M HILL for his entire time here in Utah working primarily in storm water, wetlands, permitting and watershed issues. He currently serves as operations lead for CH2M HILL's water business in Utah. Jeff has been working with UDWQ for the last five years on Great Salt Lake issues including wetlands and water quality issues in Farmington Bay and for the last three years managing the State's selenium program.

Gabe Epperson| Envision Utah

Professional Experience:

Gabe Epperson is currently serving as the Planning Director for Envision Utah and coordinating large-scale projects in Morgan County (a countywide Visioning effort) and along the Jordan River (Blueprint Jordan River: A Lake-to-Lake Vision) through 3 counties and 15 municipalities.

Mr. Epperson began working for Envision Utah in 2003, starting as an Assistant Planner working on efforts in Salt Lake County (Sandy City 9400 South TRAX Site Plan) and Box Elder County (Brigham City and Perry City General Plans). In 2004, he began the development of the Envision Utah Economic Development Toolbox, which was completed in 2005. The Economic Development Toolbox is a 150+ page document with straightforward guidelines for local governments to prepare for economic growth, attracting higher-paying businesses and high-skilled workers. Beginning in 2005, Mr. Epperson, began serving as the Project Lead for the Wasatch Choices 2040 project: a 4-County land use and transportation visioning process that was used by two MPOs (WFRC and MAG) as the official land use scenario for their Long Range Transportation Plans. Through the Wasatch Choices process, he served as the lead GIS specialist in mapping the public input and creating the Vision map. He also co-authored the Wasatch Choices 2040 Final Report. In 2006, Gabe worked on the Downtown Rising joint visioning effort undertaken by the Salt Lake Chamber of Commerce and Salt Lake City. Through Downtown Rising, he facilitated several technical teams that developed transportation and economic development strategies for Downtown Salt Lake City.

In the Fall of 2006, Mr. Epperson left Envision Utah for a year to work for an International consulting firm that specializes in green building, energy management and facilities consulting/planning. During his one year of work in the private sector, he

served as the Director of Facilities at the National Presbyterian Center in Washington DC, while they undertook a one-million dollar HVAC upgrade construction project. Following his eight months in DC, he began work on a Campus Utility Plan for Juniata College, in Central PA, to reduce their energy consumption by twenty-percent through mechanical engineering projects and consumption reduction policies. Gabe returned to Envision Utah in the Fall of 2007 to assist on several large regional planning efforts as a Project Manager.

Education:

In 2003, Gabe completed his B.A. in Environmental Studies/Human Ecology from Middlebury College, VT. In 2007, he finished his Thesis on “Measuring the Land Use Impacts on Regional Transportation along the Wasatch Front,” and received a Master’s Degree in Public Administration from the University of Utah.

Carl Fisher | Save Our Canyons

Carl Fisher grew up in Northern Utah at the foot of the Wasatch Mountains. He began volunteering in 2002 for Save Our Canyons while attaining degrees in Geography and Environmental Studies from the University of Utah. He began working on issues regarding roads in the Wasatch Mountains in 2006 and shortly thereafter began working on the Wasatch Wilderness Campaign. Save Our Canyons was founded in 1972 and is served by a board of ten and has a current staff of three. Its mission is to protect the wildness and beauty of the Wasatch canyons, mountains and foothills.

Jodi Gardberg | Department of Environmental Quality, Division of Water Quality

Jodi is the Great Salt Lake Watershed Coordinator for the Department of Environmental Quality, Division of Water Quality. In this capacity, she is the acting Secretary of the Selenium Steering Committee; she provides staff support to the Great Salt Lake Advisory Council and coordinates all DWQ activities pertaining to the lake. In addition she is one of the Statewide Mercury Coordinators and assists with Statewide Mercury Workgroup activities including quarterly meetings, research, fish sampling and advisories.

Dr. Robert R. Gillies | Utah Climate Center at Utah State University

Robert R. Gillies is the Director of the Utah Climate Center at Utah State University (USU) and State Climatologist for the State of Utah. He is an associate professor in meteorology in the Department of Plants, Soils and Climate (PSC), College of Agricultural Sciences at USU. Prior to the position of Director, he held a joint position in PSC and the Department of Watershed Sciences in the College of Natural Resources at USU. Dr. Gillies came to USU from The Pennsylvania State University. After completing his PhD in meteorology and remote sensing, Dr. Gillies continued his research as a research associate in the Department of Meteorology and the Earth System Science Center at Penn State. Dr Gillies was a member of Gov. Jon Huntsman’s scientific panel that compiled a report on climate change as it pertains to Utah for the Blue Ribbon Advisory Panel.

Dr. Ramesh Goel | University of Utah

Dr. Ramesh Goel is an assistant professor of environmental engineering at the University of Utah, Salt Lake City since January 2006. Before coming to U, he was a research associate at the University of Wisconsin from August 2003 until December 2005. He has a PhD in Environmental Engineering in 2003 from the University of South Carolina, Columbia. He researches at the interface of environmental engineering and environmental microbiology. His hobbies include cooking, eating in different restaurants and playing racket ball.

Matthew E. Jensen

Matthew E. Jensen is an attorney who focuses his practice on water law and other areas of natural resources and environmental law. He has advised clients on wetland regulatory issues as well as assisted them in other water-related transactions, administrative proceedings, litigation, and appeals. Matt has also conducted comprehensive water rights reviews for municipalities, private water companies, developers, and large farming operations. He graduated with honors from the S.J. Quinney College of Law (University of Utah) and also earned a degree with honors in Mining Engineering from the University of Utah. Matt's engineering background gives him a unique perspective to the legal issues facing the water community.

Andy Kirby | Rio Tinto Kennecott Land

Andy is the Manager of Engineering Planning for Rio Tinto Kennecott Land with a focus on the Daybreak Community in South Jordan, Utah. Andy received his Bachelor's and Master's Degrees in Civil and Environmental Engineering from Brigham Young University. He has 12 years of experience in land development civil engineering. His first seven years were with The Keith Companies in Salt Lake County as a consulting engineer. There he managed the subdivision civil design for large master planned communities. Andy joined Kennecott Land in 2003 as the first phase of Daybreak's development was just beginning construction. He currently lives in that first phase where he and his family, experience the neighborhood that he helped to create. As the Manager of Engineering Planning, Andy coordinates the Daybreak Master Plans for: transportation, sewer, domestic and secondary water, and storm water management. He manages teams of engineers, planners, architects, landscape architects, contractors and public agencies as a part of the creation of the unique Daybreak Community.

Paul C. Krauth P.E. | Utah Division of Water Quality

Paul is a native Utahan, born and raised in Salt Lake City. After a long and undistinguished career as a professional student earning three engineering degrees (a geek cubed), he went to work for the Utah Division of Water Quality in 1989. He worked for two and a half years in the UPDES permits program, writing discharge permits, during this time he also was involved with pretreatment, sludge and storm-water issues. In September 1992, Paul began working as the Outreach Coordinator for the Division. In this capacity he is involved in providing technical and operational assistance to all of

Utah's wastewater facilities. Additionally he does the process reviews for all proposed wastewater facilities within the State. He holds wastewater certifications in small lagoons systems, grade IV collection and grade IV treatment. He is also a licensed professional engineer in the state of Utah. And was the 5 time winner of the clean lunch plate award at Hillview elementary.

Ed Macauley | Utah Division of Water Quality

Ed Macauley is an Engineering Manager with the Utah Division of Water Quality and is responsible for overseeing the design review of wastewater treatment facilities throughout the State as well as working with the local health departments to facilitate their review of onsite wastewater and graywater treatment systems.

Dr. Dan McCool | University of Utah

Professor McCool's research focuses on Indian water rights and voting rights, water resource development, and public lands policy. He is the author of: *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* (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). 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. He is currently writing a book about the politics of river restoration, and editing a book on the reauthorization of the Voting Rights Act.

Curt E. McCuistion, P.E. | Nolte Engineering

Curt is an Engineering Manager with thirteen years of experience. His responsibilities have included project management, design engineering, staff supervision, and client coordination mostly in the private sector. He has significant experience in the areas of land development design, transportation engineering and hydrology/hydraulic design. Curt has worked on projects of all types and brings significant experience in land development for subdivisions. Curt has worked on master planned communities with an emphasis on the implementation of sustainable design practices. Prior to joining Nolte, Curt assisted with the design of new facilities for the 2002 Winter Olympics. He coordinated with international experts on ski jump design, prepared hydrological reports, road design, runway design, and structural design for various projects and entities involved with the Olympic Games. Curt has significant experience in the USGBC LEED certification process and he is currently the Vice Chair for USGBC Utah Chapter.

Eric McCulley | Legacy Nature Preserve

Mr. McCulley has been mapping natural resources in the Wasatch Mountains and Salt Lake Valley for more than a decade working for Alta Ski Patrol, the Wasatch-Cache National Forest, and as a consultant. He is currently implementing the long-term restoration plan for the Legacy Nature Preserve, which includes over two miles along the Jordan River in Davis County. Mr. McCulley is also actively involved with cleanup and restoration efforts along other sections of the Jordan River in Salt Lake County.

Jeff Ostermiller | Division of Water Quality

Jeff Ostermiller has worked in a number of positions for Utah's Division of Water Quality (DWQ). He started his career with DWQ by directing the development and implementation of a scientifically rigorous biological monitoring and assessment program. Subsequently, he managed the Monitoring Section, who collects the majority of chemical, biological, and habitat data for DWQ. Jeff currently directs the Water Quality Management Section with responsibilities that include Water Quality Standards, assessment of beneficial use support, and DWQ's nonpoint source program. His research interests are manifold, but are primarily focused on applying principles of stream ecology to support the goals of the Clean Water Act.

Kelly Payne, PG | Rio Tinto Kennecott Utah Copper

Kelly has a B.S. in geology and an M.S. in geology with emphasis on groundwater from Brigham Young University. He has worked in the mining industry for over 13 years on topics including hydrologic impact analysis and prediction, environmental permitting, and due diligence. He is currently the remediation manager at Kennecott Utah Copper, where he has responsibility for groundwater, soil, and wetland restoration programs.

Reed S. Price | Utah Lake Commission

Reed S. Price was named the first Executive Director of the Utah Lake Commission in July 2007. The Commission was formed by an Interlocal Cooperation Agreement with numerous local governments in Utah County and several state agencies.

He graduated with a bachelor's degree in microbiology from Brigham Young University in April 1998 and accepted a position with Orem City as the Laboratory Director at the wastewater treatment plant. As the Laboratory Director, he developed a passion for the water industry and water-related issues in the state.

While with Orem City, he pursued a master's degree in public administration through the George W. Romney Institute of Public Management in the Marriott School of Management at Brigham Young University completing his degree in April, 2002.

In 2004, he accepted the position of Management Analyst working in the office of the City Manager in Orem City. His duties included numerous financial and economic impact studies, promoting emergency preparedness in the community—including

managing the Community Emergency Response Team (CERT) program and establishing the block captain program—and guiding the different departments in the city as they made preparations for responding to disasters. In 2006, his responsibilities were changed to work as a full-time Emergency Manager for the city.

For the past several years, he has been involved in the Utah Lake Technical Committee, which advised the Utah Lake Study Group as they determined the need and feasibility of forming what is now known as the Utah Lake Commission.

Reed and his wife Brooke have been married for fourteen years. They have five children and live in Orem, Utah.

Natalie Rees | Salt Lake County Flood Control & Water Quality Division

Natalie Rees works in the Flood Control & Engineering Division for Salt Lake County. She has a bachelors' degree in Environmental Studies from the University of Utah and a masters' degree in Environmental Science from Alaska Pacific University. Her background is in ecosystem modeling, water quality analysis, and technical writing. She currently facilitates the Jordan River Watershed Council and the Watershed Coordinator for this basin. Additionally, she is assisting in the development of the Emigration Creek Total Maximum Daily Load (TMDL) study and guiding water quality planning efforts for Salt Lake County through the development and implementation of the Countywide Water Quality Stewardship Plan (WaQSP).

Florence Reynolds | Salt Lake City Department of Public Utilities

Florence Reynolds has a BS in Biology and a Masters degree in Management. Florence has been in the water/wastewater field since 1973. Starting with Salt Lake City Department of Public Utilities in 1987, she is currently employed as Water Quality and Treatment Administrator. Florence has been active in AWWA at the local and national level.

Lorna Vogt | Salt Lake County Open Space Trust Fund Program

Lorna Vogt is the Open Space Trust Fund program manager for Salt Lake County, and is responsible for managing the acquisition of open land and conservation easements purchased with proceeds from the 2006 Open and Green Space bond. Ms. Vogt also manages the Million Tree program and the Blueprint Jordan River process with Envision Utah. The latter is a public visioning process to increase interest in preservation and river-appropriate development in the Jordan River corridor. Prior to working for Salt Lake County, Ms. Vogt worked in local non-profit organization including seven years as the director of Utah Progressive Network.