

**WESTCAS**  
2018 Fall Conference  
October 22-24, 2018

**Guest Speaker  
Biographies**



*“The Voice of Water Quality in the Arid West”*



**Dan Bunk, River Operations Manager, Boulder Canyon Operations Office, U. S. Bureau of Reclamation**

Dan Bunk is the River Operations Manager for the Boulder Canyon Operations Office, which is part of the U.S. Bureau of Reclamation's Lower Colorado Region in Boulder City, Nevada. Dan's team helps to implement the U.S. Secretary of the Interior's role of water master in the lower Colorado River basin by determining the annual and monthly reservoir operations for Lake Mead, conducts long-term modeling and planning studies, and provides stakeholders with analysis on hydrologic conditions and drought impacts in the Colorado River Basin. Dan has 16 years of experience in water resources in the western United States, including 13 years with his current office in Boulder City.

**Thomas Buschatzke, Director, Arizona Department of Water Resources**

In January 2015, the Governor of Arizona appointed Tom Buschatzke Director of the Arizona Department of Water Resources. Mr. Buschatzke had been Assistant Director for the department's Water Planning Division since 2011 overseeing 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 functions. As Director, Mr. Buschatzke is responsible for planning and policy programs for the management of the state's water supplies. He also manages multiple regulatory and permitting programs and ADWR's water conservation and drought management efforts.

Mr. Buschatzke previously served as a water resources manager for the City Manager's Office in Phoenix (2002-11); a hydrologist in the civil division for the city of Phoenix law department (1988-2002); and a water resources supervisor for the Department of Water Resources (1982-1988). He has served on University of Arizona's Water Resources Research Center External Advisory Committee and the Water Sustainability Program External Advisory Committee; the American Water Resources Association; the American Water Works Association; and the Colorado River Water Users Association.

Mr. Buschatzke received a Bachelor of Science in Geology from SUNY Cortland in 1977.

**Theodore C. Cooke, General Manager, Central Arizona Water Conservation District**

The Central Arizona Project is Arizona's largest renewable water supply, transporting and delivering approximately one-half of Arizona's Colorado River apportionment to the interior of the state. Ted was appointed General Manager in March 2016, reporting to the Board of Directors and responsible for carrying out the Board's policy directives and overseeing all operational aspects of CAP. Previously, he was Interim General Manager and Deputy General Manager, Finance and Administration. Ted joined CAP in 1999.

Ted's four-decade career in utilities, technology, finance and operations has also included positions at Xerox Corporation, Luz International Limited, the world's pioneer commercial solar power developer and operator, and OESI Power Corporation, a geothermal power developer and operator.

Ted has earned a B.S. in Physics from Loyola Marymount University, an MBA in Operations Management and Management Science from UCLA and a DBA in Management from California Coast University.



**Tom Davis, President, Agribusiness & Water Council of Arizona, General Manager, Yuma County Water Users' Association, Yuma, AZ**

Tom is a native of Oklahoma and has a Bachelor of Science Degree from Oklahoma State University. Prior to assuming this position in 2007, he was Manager of Carlsbad Irrigation District located on the lower Pecos River in New Mexico. Tom also worked fifteen years for the USDA-Forest Service serving six of those years as District Ranger on the Guadalupe Range District of the Lincoln National Forest.

He currently serves as President of the Agribusiness and Water Council of Arizona, the Board of Directors of the National Water Resources Association (NWRA), the Advisory Council for the Family Farm Alliance, the Colorado River Citizens Advisory Board, the Yuma Agricultural Water Coalition, and Vice President of the Yuma County Flood Control Board.

**James F. Dubois, R.G., Permit & Regulatory Compliance Officer, Pima County Regional Wastewater Reclamation Department, Tucson, AZ**

Jim DuBois is an experienced environmental manager, hydrologist and registered geologist in the state of Arizona. He is currently employed as Permit and Regulatory Compliance Officer for Pima County's Regional Wastewater Reclamation Department, where he has managed environmental permits for groundwater recharge, aquifer protection, surface water discharge, and reclaimed water use since 2008. He has also been active on the County's Living River Project Team analyzing the improving health of the Santa Cruz River, one of the largest effluent dependent riparian ecosystems in Arizona. Prior to joining Pima County, Mr. DuBois spent 2½ years managing the City of Tucson's Stormwater Program (MS4 permit).

Previously, as a hydrologist for Arizona's Department of Environmental Quality for 19 years, he specialized in aquifer impact and discharge control technology related to mines, wastewater treatment plants, landfills, industrial facilities, and groundwater recharge projects. Mr. DuBois has authored regulations and technical guidance for implementation of the state's aquifer protection permit program since its authorization in 1987. He was ADEQ's "Recharge Hydrologist" from 1987-2006 and has developed policy related to aquifer recharge for both ADEQ and ADWR. His work experience includes technical review and recommendation of permit conditions for more than 40 Underground Storage Facility projects statewide.

Mr. DuBois has also worked for 5 years as a consulting geologist in Wisconsin, and for 3 years as a mineral exploration geologist in Arizona and Wisconsin. Mr. DuBois holds a BA in geology from Carleton College and an MS in geology from the University of Kansas.

**Dick Fleishman, Operations Coordinator, 4FRI, Coconino National Forest**

Dick Fleishman is the Operations Coordinator Four Forest Restoration Initiative, the largest forest restoration project in the history of the Forest Service. Prior to this position, Dick worked as a hydrologist, a pre-sale forester, a timber sale administrator, and in Forest planning on the Coconino National Forest. Dick has a Bachelor of Science in Forest Management, as well as a Master's in Public Administration from Northern Arizona University. Dick may be contacted at [dfleishman@fs.fed.us](mailto:dfleishman@fs.fed.us), or at 928 226-4687.



**Grady Gammage, Jr., Esq., Senior Research Fellow, Morrison Institute for Public Policy, Arizona State University**

Grady is one of the founders of Gammage and Burnham and has had a varied and diverse 40-year career in law and public policy in Arizona. His practice has focused on the political aspects of real estate, development and public policy. As a zoning lawyer, he has represented dozens of major commercial projects including high rise offices, major industrial and office parks, retail shopping centers of all sizes, and tens of thousands of acres of residential projects, including some of Arizona's most iconic master planned communities. In the early 1980s, he was the primary private sector representative in working on the innovative Urban Lands Act, which made state trust land available for commercial and residential development. As a result, he had represented more transactions with the State Land Department than any other lawyer in Arizona. He has also been at the forefront of urban development in Maricopa County, including deals with such public private projects as the Tempe Town Lake and Arizona's unique approach to redevelopment incentives. He has also represented cities and towns in revising their development and land use ordinances and has litigated land use and election issues related to development.

Grady served on the Central Arizona Project Board of Directors for 12 years and was president during a period of turbulence when the CAP was suing the Federal Government over the multibillion-dollar cost of the canal. The litigation was successfully resolved through a dramatic restructuring of the federal/state relationship. This led to Grady becoming one of the best respected water experts in the state. He teaches land use regulation in both the Sandra Day O'Connor College of Law and the W.P. Carey School of Business at Arizona State University. In addition, Grady has long served as a Senior Fellow at ASU's Morrison Institute for Public Policy and the Kyl Center for Water Policy where he works on projects related to urban growth, economic development and quality of life.

For more than 25 years, Grady has been one of the most sought-after speakers in Arizona, delivering dozens of presentations on an annual basis throughout the state. Topics include, urban growth, regulation, local politics, environmental and sustainability, transportation, tax policy and demographic changes. He has been the author of numerous reports issued by the Morrison Institute, including "Watering the Sun Corridor: Managing Choices in Arizona's Megapolitan Area:" and "Treasure of the Superstitions: Scenarios for the Future of Superstition Vistas". He is the author of two books on the Phoenix Metropolitan area which have been critically acclaimed and widely quoted. The most recent "The Future of the Suburban City: Lessons from Sustaining Phoenix" was published by Island Press in 2016 and is available on Amazon.

**Marie Light, Program Manager, Pima County Department of Environmental Quality, Tucson, AZ**

Marie Light is the Principal Hydrologist for Pima County Department of Environmental Quality and plans Pima County's Stormwater Management Program. She received her B.S. in Geology from the University of Arizona in 1981 and worked over 35 years as a geologist, groundwater and surface water hydrologist and program manager.

Marie manages water programs to maintain compliance with groundwater and surface water regulations as well as provide high quality *reliable* water resources in the arid southwest. The recharge programs Marie developed currently provide 160,000 acre-feet of renewable water annually. She now implements Low Impact Development practices that use stormwater as a source of renewable water to irrigate native vegetation providing a cooler climate and a sustainable high quality of life. Her areas of professional expertise include planning, conducting and analyzing field data to characterize soil-aquifer treatment, infiltration rates, and both groundwater and vadose zone geochemistry; bringing private and public facilities into compliance with Clean Water Act regulations; and coordinating with professionals to provide useful tools to the public. The success of her work is based on knowledge of local conditions, a practical approach to operating facilities, the ability to maintain compliance with regulatory requirements, and a keen interest in describing how to do this with colleagues and the public.



**Mark Murphy, Ph.D., Senior Water Resource Scientist, NV5-Technical Engineering & Consulting Solutions**

Dr. Mark Murphy has spent the last 39 years working on surface water quality and quantity issues, primarily in the Western US. He has done this as an employee of several National Laboratories, State agencies and private consulting firms. He has taught geological and water resources science at three universities, including ASU. Dr. Murphy currently heads up the NV5 office in Tucson and is the regional practice leader for water resource science.

From 2001 to 2007, Dr. Murphy was a senior consultant to the Arid West Water Quality Research Project, managing the Habitat Characterization, Biotic Ligand Model and Ephemeral Streams projects. In 2013-14, Dr. Murphy served on the EPA Science Advisory Board reviewing the definition of Waters of the US and the Clean Water Rule. Dr. Murphy is chair of the City of Tucson, Citizen's Water Advisory Committee.

**Krista Osterberg, Surface Water Section Manager, Arizona Department of Environmental Quality**

Krista Osterberg manages the Surface Water Improvement Value Stream at ADEQ, which oversees surface water quality standards development, ambient monitoring and assessment activities, development of TMDLs and watershed plans, funding and implementation of water quality improvement projects, and citizen science monitoring. She also represents EPA Region 9 states as a member of the Association of Clean Water Administrators board, and Arizona water quality concerns as a member of the Colorado River Salinity Control Forum and Advisory Council. Krista earned her MS in Water Resources from the University of Connecticut and has been with ADEQ's Water Quality Division since 2006.

**Laura Raun, President and CEO, Laura Raun Public Relations, Austin, TX**

Laura Raun is an award-winning communications expert who specializes in strategic messaging, public outreach and stakeholder input in the water industry. She is the founder and president of Laura Raun Public Relations and a former reporter for CNN, Bloomberg, Dow Jones the Financial Times and The Economist. Laura has proven expertise in message development, presentation delivery, traditional media and social media. She believes that clear and simple language is required to communicate effectively, regardless of the medium.

**Eric W. Wieduwilt, Deputy Director of Technical Services and Engineering, Pima County Regional Wastewater Reclamation Department, Tucson, AZ**

Mr. Wieduwilt is Deputy Director of the Technical Services and Engineering Division. Eric directs long range wastewater planning, as well as new sewer services for development. He also manages technical services for sewer design and system capacity modeling. In addition, Mr. Wieduwilt oversees the technical lab and related activities as well as environmental regulatory support for the Department.

Mr. Wieduwilt has over 20 years of experience in the environmental and wastewater fields and provided critical technical and administrative support to the award-winning Living River Project.