



## **WESTCAS 2015 Annual Conference: A Working Symposium June 17-18, 2015 - San Diego, California**

### **Guest Speaker Biographies**

#### **Clifton Bell, P. E., P. G., Technical Leader for Water Quality, Brown and Caldwell, Virginia Beach, VA**

Clifton Bell is Brown and Caldwell's Technical Leader for Water Quality and TMDLs. A Clean Water Act specialist with over 24 years of experience, he is nationally recognized for his work seeking science-based solutions to nutrient regulatory challenges.

Clifton was principal investigator of NACWA's comprehensive review of USEPA's nutrient permitting methods, and co-principal investigator of the recent WERF project on developing guidance for modeling site-specific nutrient goals. He has served directly on USEPA and state agency task groups to develop nutrient-related criteria in settings as diverse as the Chesapeake Bay, Florida estuaries, Arizona reservoirs, and Idaho streams. Clifton has led NPDES permitting and TMDL projects in over a dozen states.

#### **David E. Bolland, Special Project Manager, Association of California Water Agencies, Sacramento, CA**

David E. Bolland is Special Projects Manager with the Association of California Water Agencies (ACWA), where he has worked since 1999. He is currently working on implementation of the landmark Sustainable Groundwater Management Act of 2014, implementation of ACWA's Headwaters Framework for improved integrated resources management in California's upper watersheds, and drought emergency regulations for urban water conservation.

David has worked on a wide variety of natural resources and water management regulatory compliance issues, including agricultural and urban water conservation and use efficiency, water recycling, desalination, surface water and groundwater storage and transfers, and integrated regional water management.

Prior to joining ACWA, David was a senior project manager for an environmental consulting firm for nine years. His local government experience also includes periods of service as a land use planner with a southern California municipality and a northern California county. David holds a Bachelor of

Science degree in Environmental Planning and Management from the University of California at Davis.

**Celeste Cantu, General Manager, Santa Ana Watershed Project Authority**

Celeste Cantú is General Manager of the Santa Ana Watershed Project Authority (SAWPA), is a staunch supporter of SAWPA's regional integrated planning, and has encouraged other regions to follow SAWPA's model. Prior to coming to SAWPA, she served almost six years as the Executive Director of the State Water Resources Control Board. During her tenure, the Board tackled numerous challenges including the growing issue of salinity in water and irrigated land in many parts of the state and the protection of water quality in the Sacramento/San Joaquin Delta and the Colorado River.

Early in her career, she was the Planning Director for the City of Calexico. She later headed the Public Housing Authority for Imperial County. She then went on to a distinguished career with the U.S. Department of Agriculture as California's Director of Rural Development and the California Assembly before joining the State Water Board in 2001. Recently, she was nominated to a board position with the Water Education Foundation. She is a graduate of Yale and Harvard's John F. Kennedy School of Government. Celeste is married to Dr. Barry Stampfl, professor of English at SDSU and they have two sons who play water polo at Cal.

**Paul D. Jones, II, General Manager, Eastern Municipal Water District, Perris, CA**

Paul D. Jones II was appointed general manager of Eastern Municipal Water District (EMWD) in July 2011 after having served as general manager at Irvine Ranch Water District for more than 12 years. With \$2.4 billion in assets and an annual operating budget of \$219 million, EMWD maintains an "AA+" rating from the major rating agencies, and is a major participant in the Municipal Bond Market to finance its five-year \$385 million Capital Improvement Program.

The agency is a water wholesaler and retailer in western Riverside County with more than 135,000 customers in its 542-square-mile service area. It is one of 26 member agencies that form The Metropolitan Water District of Southern California, and has developed diverse water supply portfolio of imported and local supplies. EMWD also operates four regional reclamation facilities with nearly 230,000 sewer service connections, and is one off the largest producers of recycled water in California.

Under his leadership, IRWD expanded and diversified its water supply portfolio and its wastewater and recycled water systems, and implemented complex water banking project and unique interagency water exchange program partnerships in California's central valley. Jones was also instrumental in the development of creative watershed-based urban runoff treatment programs and natural resource management at the San Joaquin Marsh and Wildlife Sanctuary.

Prior to IRWD, Jones was the general manager of Central and West Basin Municipal Water Districts in Los Angeles' South Bay. Like EMWD, both IRWD and Central/West Basin Municipal Water Districts enjoy highly-respected national reputations for the operation of successful and innovative recycled water programs.

Jones has also worked in private industry as a principal engineer for a private environmental engineering firm, John M. Tetterer and Associates. Prior to that, he was director of regional infrastructure planning and manager of infrastructure project engineering with The Irvine Company. Other water industry work included experience as senior engineer and assistant to the general manager at Municipal Water District of Orange County.

Jones received his Bachelor of Science degree with honors in civil engineering with an emphasis in water resources from California State Polytechnic University, Pomona in 1982. He is a Registered Civil Engineer in the State of California and a member of the National Engineering Honor Society, Tau Beta Pi.

Jones formerly served on the City of Tustin Planning Commission, and as the President of the Board of the Nature Reserve of Orange County, a non-profit corporation established to oversee a habitat reserve of over 37,000 acres. Jones is the immediate past-President of the California WaterReuse Association, currently serves as California's representative to WaterReuse national Board of Directors, and was recently appointed to the Board of the WaterReuse Research Foundation.

Jones and his wife, Julie, have raised four children and currently reside in the City of Orange.

**Mark T. Murphy, Ph.D., Senior Scientist/Tucson Office Manager, Allwyn Environmental, Tucson, AZ**

Mark T. Murphy is the Senior Scientist/Tucson Office Manager, Allwyn Environmental in Tucson, AZ. His responsibilities include all aspects of the company's business performance and technical contributions in the areas of stream restoration, storm water management, and water quality. Dr. Murphy previously worked GeoSystems Analysis, Inc., the New Mexico Interstate Stream Commission, URS Corporation (formerly known as United Research Services) and Pacific Northwest National Laboratory.

Dr. Murphy holds a Ph.D. in Geology from the Johns Hopkins University (1989), an M.S. in Geology from the University of New Mexico (1985), and a B.S. in Earth Science from the University of California, Santa Cruz (1977). Dr. Murphy was an Associate Professor at Heritage College on the Yakama Indian Nation in central Washington State (1996-1997) and Visiting Assistant Professor at Arizona State University from 1997-2000. He has been a Visiting Lecturer in Environmental Ethics at the University of Richmond in Virginia from 1997 to the present. Dr. Murphy's primary area of expertise is the physical ecology (hydrology and geomorphology) of aquatic systems, specifically how fluvial morphology and shallow groundwater dynamics combine to create habitat.

Dr. Murphy has worked with municipalities and other members of the regulated community to develop methods for complying with the Clean Water Act and the Endangered Species Act, as they consider protection of ecosystems. Dr. Murphy has supported determinations of ecological flow requirements of aquatic, wetland and riparian communities, and provided surface water hydrological criteria for restoration and adaptive management plans. Dr. Murphy's research has focused on the connectivity in arid fluvial systems. He was a Principal Investigator for the Arid West Water Quality Research Project, supported by a 5.5-million dollar U.S. EPA research grant to Pima County (Tucson, AZ) to investigate the scientific applicability of nation-wide water quality standards to streams of the arid West.

Dr. Murphy is a Board Member of Watershed Management Group, the City of Tucson Citizens Water Advisory Commission, and Ciudad Soil and Water Conservation District. He served on the Advisory Board of the Southwest Hydrology magazine and was a Board Member of the Arizona Hydrological Society from 2000-2002. He was also a member of New Mexico Governor Bill Richardson's panel on Forest and Watershed Health. Dr. Murphy's primary sources of funding over the last two years have been state, county, and local governments; the Walton Family Foundation; The Nature Conservancy; the U.S. Bureau of Reclamation; and U.S. EPA grants to these entities.

**James L. Smyth, P. E., General Manager, Sweetwater Authority, Chula Vista, CA**

Jim Smyth (pronounced Smythe) is a native San Diegan and has resided in Chula Vista since 1983. He is a licensed civil engineer with the State of California, with a Civil Engineering degree from the University of California at Irvine; a Physical Science degree from Westmont College; and has a Master's degree in Business Administration from Chapman College.

Jim began his career in the Engineering Department of Sweetwater Authority in 1980 where he rose through the ranks to the Director of Engineering in 1992; the Assistant General Manager in 2006; and has been the General Manager since 2010.