



PROFESSIONAL BACKGROUND OF PRESENTERS



Texas Groundwater Conference – June 30 & July 1, 2021

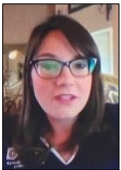
Listed in alphabetical order.

Dirk Aaron, General Manager Clearwater Underground Water Conservation District, Belton, TX



Dirk has been General Manager since 2011. The District is responsible for the management of groundwater in Bell County, TX. The District's mission is to "develop and implement an efficient, economical and environmentally sound groundwater management program to protect and enhance the water resources of the district." Prior to his appointment as General Manager he was a County Extension Agent at Texas A&M University, (1982-211). He has served as the President of the Texas Alliance of Groundwater Districts and has Chaired their Legislative Committee. He represents Clearwater on the Groundwater Management Area 8 and on the Brazos G Regional Water Planning Group. Dirk has also been elected to the board of directors of the Texas Water Conservation Association. Dirk received his Bachelors Degree from Texas A&M University in 1981 and his Master of Science Degree in 1991 from Texas Tech University.

Jennifer Adkins, PG, Hydrogeologist, Edwards Aquifer Authority, San Antonio, TX



Jennifer is a Hydrologist for the Edwards Aquifer Authority and has worked there for over 7 years. She previously worked as the Environmental Coordinator-Groundwater Protection. Her current responsibilities range over a wide variety of Aquifer Science Research activities related to groundwater research and conservation. She has experience in project management, conducting and coordinating the collection and analysis of geologic and hydrologic data; conducting field and experimental investigations; generating graphical, statistical and interpretive analysis to evaluate relationships between the geologic structure, geochemistry and the hydraulics of groundwater systems, specifically karst aquifer systems. She earned her Bachelors and Master's Degree in Geology from the University of Arkansas.

James Beach, PG, Principal Hydrogeologist, Advanced Groundwater Solutions, Dripping Springs, TX



Mr. Beach has over 30 years of experience in groundwater and surface water hydrology, water resources, environmental assessments, water planning, numerical flow and solute transport modeling, quantitative contamination evaluations, and litigation support. He specializes in application of numerical models to evaluate water resources as well as contaminant flow and contaminant transport in the subsurface. He has experience in field hydrology and application of quantitative hydrology in the water resources arena, including evaluation of long-term groundwater availability and quality, wellfield development, evaluation of water supply and demand, identification of critical groundwater areas, groundwater/surface water interaction, mine dewatering hydrologic modeling, development of water-management strategies and water supply plans. His projects include development of brackish groundwater supplies, ASR assessments, and development of new wellfields to offset recent drought impacts. He earned a BS in Hydrology from Tarleton State University and a MS in Hydrology from the New Mexico Institute of Mining and Technology.

T. Neil Blandford, PG, Principal Hydrologist/Senior Vice President, Daniel B. Stephens & Associates, Inc., Albuquerque, NM



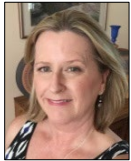
Mr. Blandford is a Senior Vice President and Principal Hydrologist with more than 30 years of experience as an environmental consultant. He has led numerous projects involving complex technical, regulatory, and legal issues. Mr. Blandford manages projects or programs for county, state, and federal regulatory agencies; energy and mining companies; water providers; water districts; tribes; and private parties. One of Mr. Blandford's specialties involves the development or application of quantitative models of groundwater flow and solute transport. He has supported his clients in many public forums and has testified as an expert in administrative hearings and trials regarding water supply, water quality, and regulatory issues. He has a MS in Hydrology, New Mexico Institute of Mining and Technology, a BA, Environmental Science from the University of Virginia and is a registered Professional Geoscientist (Geology) in Texas.

Mark K. Boyd, PhD, PE, CAPM, DWRE, Principal Engineer, LCA Environmental, Inc., Farmers Branch, TX, and Chair Texas Section ASCE 2021 Infrastructure Report Card committee



Mark is the principal engineer for LCA Environmental and has developed and executed numerous specialized engineer solutions while maintaining operational and design oversight of the company's high-profile critical infrastructure projects. He has over 30 years of professional experience in civil/environmental engineering, ecosystem framework project analysis, identification of potential environmental concerns within project limits, remedial construction, pollution prevention, hazardous materials management, waste management, stormwater compliance, groundwater and surface water hydrologic analysis and modeling and pollution prevention design. Mark has performed environmental and forensic hydrologic evaluations of major dam structures for Tarrant Regional Water district and environmental engineering specifications for the Dallas High Five interchange, in addition to dozens of other major TxDOT roadway projects. Mark was awarded Dallas Engineer of the Year in 2010 and Texas Engineer of the Year in 2012 (TSPE), as well as Dallas Engineer of the Year in 2015 (ASCE). He earned his PhD in Environmental and Civil Engineering, M.S. in Civil Engineering and B.S. in Civil Engineering degrees all from Southern Methodist University.

Lorrie Council, PG, Manager UIC Permits Section, Texas Commission on Environmental Quality, Austin, TX



As UIC Program Liaison, Ms. Council communicates and interfaces with the EPA, Railroad Commission of Texas, Texas Water Development Board, local governments, and others on UIC related matters. Ms. Council has 39 years of work experience in the fields of environmental management, groundwater quality investigation/remediation, waste disposal, and coastal geology. She has been employed at TCEQ since mid-2010 in the Radioactive Materials Division and served as the UIC Permits Section Manager from 2012 through 2020. Her UIC activities have included work on aquifer storage and recovery projects, aquifer exemptions, Class I deep disposal well permitting, Class III in-situ uranium mine permitting, and shallow injection wells. Lorrie earned a B.S. in Geology from the University of Oklahoma and is a registered Professional Geoscientist in Texas and Arizona.

Andrea Croskrey, PG, Geoscientist, Texas Water Development Board, Austin TX



As a geologist for the Innovative Water Technologies team, her work is focused on mapping and characterizing brackish groundwater. She has a Bachelor of Science in Comprehensive Geology from Northwest Missouri State University and a MS in Geoscience from Western Kentucky University and is a registered Professional Geoscientist (Geology) in Texas. At the Texas Water Development Board, she has been mapping brackish aquifers and writing publications as a member of the agency's Brackish Resources Aquifer Characterization System (BRACS) since 2013.

Neil Deeds, PhD, PE, VP and Principal Water Resources Engineer, INTERA Inc., Austin, TX



Neil is a Senior Water Resources Engineer at INTERA Incorporated in Austin, Texas. He has spent 20 years at INTERA performing quantitative hydrogeologic studies for public and private clients. His writing on aquifer storage and recovery has recently appeared in "Essentials of Texas Water Resources" and "The Edwards Aquifer: The Past, Present, and Future of a Vital Water Resource". He moonlights as a lecturer at the University of Texas at Austin where he teaches groundwater hydraulics in the Civil Engineering department. Neil received a BS in Environmental Engineering from the University of Oklahoma and MS and PhD in Civil Engineering from the University of Texas.

Bill Dugat, Attorney, Bickerstaff, Heath, Delgado & Acosta, Austin, TX.



William D. "Bill" Dugat III is an attorney with the law firm of Bickerstaff Heath Delgado Acosta LLP. He has been a partner since 1995 and served as the Managing Partner for the firm for 17 years. Mr. Dugat practices in water and environmental law, public law, and administrative law. He represents and advises groundwater conservation districts, river authorities, and municipalities before state and federal agencies with emphasis on water and environmental issues. He is outside general counsel for several ground water conservation districts and a river authority. Mr. Dugat earned a BBA in management from Texas A&M University, an MBA from the University of Missouri, and a JD from the University of Texas. He is Board Certified in Administrative Law by the Texas Board of Legal Specialization.

John T. Dupnik, PG, Deputy Executive Administrator, Texas Water Development Board, Austin, TX



John Dupnik is a Texas licensed Professional Geoscientist and holds a Bachelor of Science degree in Environmental Science and Geology from Texas State University and a Masters Degree from the Jackson School of Geosciences, University of Texas at Austin where his research focused on groundwater management in Texas. Prior to his appointment at the Texas Water Development Board, John was the General Manager of the Barton Spring/Edwards Aquifer Conservation District where he was initially employed as Senior Regulatory Compliance Specialist. Before his 13 years with the District, John had nine years of experience in State government with the Texas Commission on Environmental Quality and the Texas Department of Licensing and Regulation.

Carol Dye, PG, UIC Permits Section Manager, Texas Commission on Environmental Quality, Austin, TX



Ms. Dye is the section manager for the Underground Injection Control (UIC) Permits program at the TCEQ. Prior to this, she was a geologist and project manager in the UIC Permits program conducting permitting and authorization of Class I, Class III and Class V injection wells (including ASR and AR projects), and rulemaking affecting the UIC program. Ms. Dye has 25 years of work experience in soil, sediment, surface water and groundwater investigation and remediation, waste disposal, low-level radioactive materials disposal, and regulation of uranium mining. Ms. Dye has a BS from the University of Southern Mississippi, an MS from Indiana University, and has been employed at TCEQ since 1998. She received her MS from Indiana University Bloomington and BS in Geology from the University of Southern Mississippi.

Ty Embry, JD, Attorney, Chair of Governmental Relations Practice Group, Lloyd Gosselink, Austin, TX



Ty has represented a broad range of clients with legal and policy needs in environmental law and governmental relations related to groundwater, water and sewer utility service, surface water, water resource planning, and other environmental matters. Before joining Lloyd Gosselink in 2003, Ty served as General Counsel and led the staffs of several legislative offices and committees at the Texas Legislature. He also served as General Counsel for the Texas Senate Natural Resources Committee, the Texas Water Advisory Council and the Joint Senate-House Committee on Water Resources as well as lead staff member for the Oil-Field Cleanup Fund Advisory Committee. Ty was the General Counsel for State Senator Buster Brown and a Legislative Aide for State Representative Beverly Wooley. He earned his JD law degree from Baylor Law School.

Scott Honeyfield, PE, Principal, Parkhill, Amarillo, TX



Since joining PSC in 1982, Scott Honeyfield has been involved in the conception, design, study and management of numerous major civil engineering projects. In 2000, he became a Corporate Associate and a Principal in 2007. He currently manages the Amarillo office where infrastructure projects are his specialty. He has made significant contributions to the conception, development and design of some of the region’s historically largest water works projects over the last 15 years. His duties have included authoring Technical Memoranda, which have established the groundwork for highly technical water works projects, followed by the design and development of construction documents for these multi-million-dollar projects.

John Jansen, PhD, PG, PGp, Senior Geophysicist and /Hydrogeologist, Collier Consulting, West Bend, WI



John has a B.S. in Geology and a M.S. and Ph.D. in Geological Sciences with an emphasis in hydrogeology and geophysics, all from the University of Wisconsin-Milwaukee. He is a Senior Geophysicist and Hydrogeologist for Collier Consulting. John works on a wide variety of ground water projects around the country specializing in high-capacity wells and groundwater resource management. He received the NGWA Keith A Anderson Award in 2012 for service to NGWA and the groundwater industry and was the NGWA McElhiney Distinguished Lecturer in Water Well Technology in 2013. John was an invited lecturer on managed aquifer recharge and groundwater geophysics for the Geoscience University of China in Beijing in June of 2018.

Russell Johnson, JD, Partner, McGinnis Lochridge, Austin, TX



Russell Johnson has a multifaceted water law practice, with an emphasis on matters involving land use, water rights and the Endangered Species Act (ESA). His clients are generally landowners, industries, mineral owners and developers seeking to acquire, safeguard, develop or convey water resources. Because Russ holds a B.A. in Biology and Chemistry, in addition to his law degree, he fully understands the technical and scientific complexities his clients face and can help them work more effectively towards achieving their goals. He is a Board Member of the Center for Water Law and Policy at Texas Tech University School of Law, as well as an adjunct professor at Texas State University teaching water policy. Russell’s JD law degree is from St. Mary’s University School of Law.

David Kill, P.E., Training Consultant, Xylem Goulds Water Technology, St. Paul MN



Mr. Kill is a Registered Professional Engineer and has a BS in Agricultural Engineering from the University of Minnesota. He joined Johnson Screens in 1969 and became Regional Manager in 1974. In 1979, he joined the Fluid Systems Division UOP in the reverse osmosis water treatment business in San Diego, CA as Director of Marketing. He rejoined Johnson Screens in 1981 as Environmental Products Manager. In 1988, he founded Recovery Equipment Supply, a supplier of products for ground water monitoring and remediation. He was hired by Goulds Pumps ITT in 1966 and was promoted to Regional Commercial Business Manager and then Regional Market Development Manager. In 2005, he was selected as the NGWA McElhiney Distinguished Lecturer. He has presented “Well Efficiency Is Not a Myth” to over 20 water well contractor conventions.

Tracy O. King, Texas District 80, Chairman of the House Committee on Natural Resources, Austin, TX



Since 1995 Tracy King has been a Democratic member of the Texas House of Representatives (District 80). He graduated from Carrizo Springs High School, attended Southwest Texas Junior College and Texas A&M University, where he earned a Bachelor of Science in Agricultural Engineering. He is currently the Chairman of the House Natural Resources Committee and serves as a member of the Energy Resources Committee. He previously served as chairman of Border and International Affairs; Agriculture and Livestock; and Licensing and Administrative Procedures Committee. During his tenure in the Texas House of Representatives he has served on committees such as Natural Resources, Appropriations, Ways & Means, Calendars, Environmental Regulation, Agriculture and Livestock, Border and International Affairs, Culture, Recreation and Tourism and Licensing and Administrative Procedures. He also serves on the Edwards Aquifer Oversight Committee and the Energy Council.

Ross Kushnereit, Staff Hydrogeologist, INTERA Inc., Austin, TX



Ross Kushnereit is an experienced numerical flow and transport modeler for the water resources division at INTERA Inc. in Austin, Texas. He has a background in scientific programming as well as hydrogeology. Ross received his Master of Science Degree in Geological and Earth Sciences / Geosciences from the University of Texas at San Antonio and his Bachelor of Science Degree in Geoscience – Hydrology and Water Resources Science from Angelo State University. Ross has worked at INTERA for 4 years and previously worked at the U.S. Geological Survey for over three years as a hydrogeologist and GIS specialist. Ross also carries the GIT from the Texas Board of Professional Geologists.

Edmond McCarthy Jr., JD, McCarthy & McCarthy, Austin, TX



Ed McCarthy’s law practice is primarily in water and natural resources. His background is rooted in property rights and land titles, and the development of subsurface property rights, including mineral and groundwater rights. Mr. McCarthy was lead counsel on the first ASR project permitted in Texas to use state water rights, and subsequently worked on the development of legislation to codify the use of ASR as a water development resource. He also participated on an ad hoc committee to assist the predecessor agency to the Texas Commission on Environmental Quality to develop rules for ASR permitting and operations. Mr. McCarthy earned his J.D. in 1981 from St. Mary’s University School of Law and his B.A. from the University of Notre Dame in 1978.

Jeffrey McCartney, Project Engineer, Layne Christensen, Mesa, AZ



Jeffrey joined Layne in 2012 and is currently a Project Engineer at Layne Christensen Water Technologies where he designs and provides cost analysis for water treatment systems. He also manages the installation process of the treatment system through fabrication, delivery and start-up. The systems range from catalytic media filtration, air stripping units to arsenic removal. The main applications are for municipal drinking water and industrial water. Jeffrey has a BS in Chemical Engineering from Rose-Hulman Institute of Technology, Terre Haute, Indiana.

John Nielsen-Gammon, PhD, Regents Professor, Texas State Climatologist, Director, Texas Center for Climate Studies, Texas A&M University, College Station, TX



Dr. Nielsen-Gammon has been on the faculty at Texas A&M University since 1991. He is currently a Regents Professor of Atmospheric Sciences and also serves as the Texas State Climatologist. Dr. Nielsen-Gammon graduated from the Massachusetts Institute of Technology, receiving a Ph.D. there in 1990. He researches various types of extreme weather from droughts to floods, as well as air pollution and computer modeling. As Texas State Climatologist, he helps the State of Texas make the best possible use of weather and climate information, through applied research, outreach, and service on state-level committees. Dr. Nielsen-Gammon is a fellow of the American Meteorological Society.

Micaela Pedrazas, Hydrogeologist – Texas Operations, LRE Water, Round Rock, TX



Micaela joined LRE in 2020, where she works in both surface water and groundwater projects in Round Rock, Texas. With a background in humanitarian engineering, hydro-geophysics, and hydrogeology, Micaela keeps the client and the communities they serve at the core of each project. She has a B.S. in Geophysical Engineering from the Colorado School of Mines and a M.S. in Geological Sciences from the University of Texas at Austin.

Michael Pycrz, PhD, P Eng, Associate Professor, Cockrell School of Engineering and the Jackson School of Geosciences, University of Texas at Austin, Austin, TX



Michael is an expert in spatial data analytics, geostatistical reservoir modeling, and machine / statistical learning. He works at The University of Texas at Austin as an Associate Professor, Department of Petroleum and Geosystems Engineering, with an assignment in the Bureau of Economic Geology, Jackson School of Geosciences. Michael teaches and supervises research on subsurface data analytics, geostatistics and machine learning. He also serves as Principal Investigator for the College of Natural Sciences, The University of Texas at Austin, freshman research initiative in energy data analytics. Previously, Michael conducted and lead research on reservoir data analytics and modeling for 13 years with Chevron's Energy Technology Company. He became an enterprise-wide subject matter expert, advising and mentoring on workflow development and best practice. Michael has written over 45 peer-reviewed publications, an open-source Python data analytics package and a textbook with Oxford University Press. He is an associate editor with Computers and Geosciences, editorial board member for Mathematical Geosciences and the Program Chair for the Petroleum Data Driven Analytics Technical Section (PD²A) for the Society of Petroleum Engineers International. Michael's PhD. in Engineering, Geostatistical Reservoir Modeling is from the University of Alberta, Canada.

Kristi Shaw, PE, Sr. Water Resources Engineer, HDR, Austin, TX



Kristi is a water resources engineer with professional experience focused on aquifer storage and recovery feasibility, regional water planning, water conservation, conjunctive use, and groundwater modeling. She has conducted groundwater investigations and strategic water supply development studies in Texas, California, Idaho, Nebraska, Nevada, New Jersey, New Mexico, and Oklahoma in addition to assisting clients with understanding water regulations and policies. She recently served as a technical lead on a groundwater characterization and design project in Dubai, UAE. Kristi holds a B.S. in Bioenvironmental Sciences from Texas A&M University and M.S. in Civil Engineering from University of Texas at Austin.

Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH (Webinar Moderator)



Andrew Stone completed post-graduate studies in hydrogeology at University College, London. For 13 years he was involved in groundwater research and lecturing at Rhodes University, South Africa. Since 1989 he has worked in the United States as a private-sector groundwater consultant, as adjunct professor (teaching groundwater protection policy at Antioch New England University), and as groundwater educator, advocate and outreach specialist. His work with the AGWT has involved convening over 250 "information-exchange" conferences and workshops focused on groundwater issues. He has organized over 70 "Groundwater Institutes" that have trained 2,000 science teachers and educators on water resources issues. He is a recipient of the National Ground Water Association "Oliver Award" for his work in promoting groundwater education.

Justin Thompson, Graduate Research Assistant, Bureau of Economic Geology, University of Texas, Austin, TX



Justin C. Thompson is a PhD candidate in the Jackson School of Geosciences at the University of Texas at Austin (UT), where his research is focused on groundwater recoverability and management in Texas, and a graduate research assistant at the UT Bureau of Economic Geology. He holds a Master of Science in Energy and Earth Resources degree from the UT Jackson School of Geosciences, a Master of Global Policy Studies degree from the UT LBJ School of Public Affairs, and a Bachelor of Business Administration in International Business degree from Texas Tech University. Mr. Thompson was an international project development and finance professional for 12 years prior to his graduate studies, is proficient in Mandarin Chinese, and has served nonprofits bringing ground/rainwater water solutions to East Africa.

Todd H. Votteler, PhD, President, Collaborative Water Resolution LLC, Austin, TX



Dr. Votteler is a specialist in environmental mediation, water and environmental problem-solving and executive recruiting for water and environmental positions. He is the Editor-in-Chief of the Texas Water Journal and Texas+Water. Votteler is a Fellow of the Meadows Center for Water and the Environment at Texas State University. Previously, Votteler was Executive Manager of Science, Intergovernmental Relations, and Policy at the Guadalupe–Blanco River Authority. He also served as the Chairman of the Guadalupe Basin Coalition. Votteler was appointed as the Federal Special Master for the Endangered Species Act (ESA) litigation, *Sierra Club v. San Antonio*. Prior to that, he assisted Federal Court Monitor during the landmark ESA litigation over the Edwards Aquifer. His previous experience also includes Research Scientist for the Battelle – Pacific Northwest National Laboratory, in Washington, D.C., Executive Director of the Guadalupe-Blanco River Trust, and Chairman of the Texas Land Trust Council. Todd has a BS in Natural Resources from The University of the South, an MS in Natural Resources from The University of Michigan, and a PhD in Environmental Geography from Texas State University.

Charles Werth, PhD, Associate Chair for Environmental Engineering & Professor, University of Texas, Austin, TX



Dr. Werth is a Professor in the Department of Civil, Architecture, and Environmental Engineering at UT Austin. He joined the UT faculty 2014, after spending 17 years at the University of Illinois at Urbana-Champaign. Werth's research and teaching focus on the fate and transport of pollutants in the environment, the development of innovative catalytic technologies for drinking water treatment, and the mitigation of environmental impacts associated with energy production and generation. He is presently the Principal Investigator of an NSF NRT on "Reducing Energy Barriers for Novel Water Supply Use in Sustainable Agriculture", as well as on other NSF, DOD, and DOE grants. Werth's past recognition includes appointment to the USEPA's Science Advisory Board (SAB), and as a Wiley Research Fellow at the Department of Energy's Environmental Molecular Science Laboratory. He's twice received the Editor's Choice Best Paper Award from Environmental Science and Technology and was recognized for having a most cited paper in *Journal of Contaminant Hydrology*. Werth also received a Humboldt Research Fellow Award, a National Science Foundation CAREER Award, and a BP Award for Innovation in Undergraduate Instruction. Werth has a BS in Mechanical Engineering from Texas A&M University, an MS and PhD in Environmental Engineering from Stanford University, and a PhD minor in Chemistry from Stanford University.

Joe C. Yelderman, Jr., PhD, PG, Hydrogeology Professor, Department of Geology, Baylor University, Waco, TX



Dr. Yelderman is a hydrogeology professor and Director of the Institute of Ecological, Earth and Environmental sciences at Baylor University. Since receiving his PhD from the University of Wisconsin, he has taught hydrogeology and water management in the Geosciences Department. His current research concentrates on the Washita Prairie and Northern segments of the Edwards Balcones Fault Zone Aquifer, the Northern Trinity Aquifer, and Brazos River Alluvium Aquifer. Dr. Joe has supervised students in Mexico, Costa Rica, and Uganda. Prior to Baylor, he was a natural resource planner for the City of Waco, the Ark-Tex Council of Governments, and the Wisconsin Geological and Natural History Survey. While working as an Environmental Engineer for U.S. Steel – Texas Uranium Operations he served as president of the Texas In-Situ Uranium Mining Environmental Association. He is an active member of the Geological Society of America and National Ground Water Association.

Steven C. Young, PhD, PG, PE, Principal Geoscientist, INTERA Inc., Austin, TX



Dr. Young has more than 29 years of experience in characterizing and solving groundwater supply and remediation problems. His specific areas of expertise include application of flowmeter pumping tests and sedimentological facies models to characterize aquifer heterogeneity. Dr. Young has worked for a wide range of clients including municipalities and groundwater districts. He has experience with designing remediation systems and well fields, developing groundwater models, and evaluating groundwater resources. He is a professional geologist, a professional engineer, and a certified groundwater professional. Dr. Young completed his graduate research at Stanford University and the University of Waterloo with a focus on using sedimentological concepts to characterize the hydraulic properties of aquifers. For the first 15 years of his career, Dr. Young primarily performed research for the Tennessee Valley Authority, U.S. Environmental Protection Agency, Department of Defense, DOE, U.S. Army Corps of Engineers, and private companies. His research focused on developing approaches to characterize the scale and direction of spatial variability in an aquifer hydraulic conductivity field important to the modeling of groundwater flow and transport. Dr. Young has over 100 publications related to the characterization or modeling of aquifer heterogeneity.