

# 2023 Mid-Atlantic Groundwater Conference – November 15 & 16, 2023

## Presenter Bios (alphabetical order)

### **Erin Bereyso, PhD Candidate, Environmental Engineering, Virginia Tech, Blacksburg, VA**



Erin received her Master of Science in Environmental Engineering from Virginia Tech and her Bachelor's Degree in Civil Engineering from Missouri University of Science & Technology. She was selected as the 2021 top ASCE New Face of Civil Engineering – Collegiates. Erin is currently a PhD Student in Environmental Engineering at Virginia Tech and a Water Technology and Research Intern at Hampton Roads Sanitation District. Erin's research focuses on the treatment of PFAS for indirect potable reuse at the SWIFT Research Center.

### **Kenneth E. Bannister, PG, Director of Environmental Services, Koontz Bryant Johnson Williams, Inc., North Chesterfield, VA**



Mr. Bannister is a certified professional geologist with over 40 years of experience in exploration geology, hydrogeology, surface geophysics, well-site geology, geo-steering, geothermal energy, drilling management, and water resources exploration and development. Mr. Bannister is an expert in using remote sensing and geophysical methods to explore for high yielding wells in crystalline aquifers. Over the course of his career, he has located, tested and developed over 25 million gallons per day of groundwater resources, primarily from fractured crystalline terrain. He has overseen several hundred drilling projects for groundwater, geothermal resources and oil and gas wells to depths ranging from 30 to 30,000 feet, and geo-steered the largest natural gas well on the planet. He holds a B.A. in Geology from the University of Vermont and completed graduate studies at the University of Vermont combining groundwater Hydrology, remote sensing and advanced engineering mathematics.

### **Alma Beciragic, PhD, Management Consultant, Arcadis, Charlotte, NC**



Alma received her BS in Environmental Science from Queens University of Charlotte in 2014, and her PhD in Environmental Sciences and Engineering at UNC Chapel Hill in 2020. Alma's research applied various analytical techniques for the analysis of known and novel micropollutants in water—including Contaminants of Emerging Concern (CECs), regulated and unregulated DBPs, and leachates from membranes. Alma joined Arcadis in 2020 where she works to understand and mitigate existing and emerging micropollutants in utility systems. She also currently co-leads the Consumer Messaging Workgroup of the Microplastics Subcommittee—a part of the California Water Quality Monitoring Council—working to develop microplastic language that utilities could incorporate into their CCRs.

### **Samuel Caldwell, Hydrologist, USGS VA/WV Water Science Center, Richmond, VA**



Sam's work is mainly centered on understanding groundwater dynamics in the Virginia Coastal Plain using groundwater level analysis, electromagnetic resistivity techniques, photogrammetry, and various scales and types of other remote sensing data. Much of Sam's project work focuses on the Virginia Coastal Plain in Virginia Beach and the Eastern shore. He leads a groundwater level and specific conductivity monitoring network in Virginia Beach that includes an electromagnetic induction logging network to monitor for saltwater intrusion, as well as a groundwater quality sampling element. Additionally, he is responsible for an electromagnetic induction logging network on the Eastern Shore of Virginia to monitor for saltwater intrusion. He also leads a water quality sampling effort in Suffolk, VA in collaboration with the Hampton Roads Sanitation District's SWIFT project monitoring how treated wastewater injected into the Potomac aquifer is affecting and moving through the nearby groundwater system. He co-authored the "Revisions to the Virginia Coastal Plain hydrogeologic framework southwest of the James River." Sam earned his M.S. in Geology/Earth Science, Hydrogeology from Syracuse University and B.A. in Geology from Amherst College.

### **Brian Campbell, PG, Groundwater Characterization and Monitoring Manager, Office of Water Supply, Virginia Department of Environmental Quality, Glen Allen, VA**



Brian manages the Groundwater Characterization and Monitoring Program at the Virginia Department of Environmental Quality. He leads a team of geologists who collect and analyze hydrogeological data to understand the availability, quantity, and quality of groundwater. The results inform the sustainable management of groundwater resources across the Commonwealth of Virginia. Brian works closely with DEQ's Office of Water Withdrawal Programs and the regulated community, as well as DEQ's local, state, and federal partners. Previously, he served for six years as a project manager in DEQ's Brownfields and Voluntary Remediation Program, and for eight years as a private-sector consultant in the midwestern U.S. In these prior roles, he gained wide-ranging experience in site characterization and risk-based remediation, guiding complex projects to regulatory closure. He holds a B.S. in Geology and a B.A. in Letters from the University of Oklahoma and a M.S. in Geological Sciences from the University of California, Santa Barbara. He is professionally licensed in Illinois.

### **Sara Chudnoff, PG, Program Director/Hydrogeologist, American Ground Water Trust, Pinetop, AZ**



Sara recently joined the American Ground Water Trust. She has been working in the water resources and environmental field in New Mexico since the early 2000s. As a consulting scientist, she worked on projects from methane monitoring and reporting to hydrogeologic investigations and well design. In 2009, Sara left her regulatory role with the State and started working with Bernalillo County. In this position, she worked with hundreds of residents monitoring water levels and promoting outreach and education. At the New Mexico Bureau of Geology, she took this model to work on a State-Wide Groundwater Level Monitoring Network. Sara facilitates educational outreach for watershed health with the local school district and provides water resource consulting in New Mexico. She has a B.S. in Geology from New Mexico Tech and a M.S. in Water Resources from the University of New Mexico.

### **Stephanie DeVries, PhD, Hydrogeologist, Groundwater Management Branch, Water Planning Section – DWR, North Carolina Dept. of Environmental Quality, Raleigh, NC**



Stephanie was recently hired by the North Carolina Department of Environmental Quality. She has expertise in water quality and non-point source nutrient pollution in groundwater and is experienced in relevant software for modeling and data analysis. Previously, Stephanie was an Assistant Professor at the University of Tennessee at Chattanooga for over 3 years. She also worked for City College of New York for over 11 years as a College Laboratory Technician, Adjunct Assistant Professor and Adjunct Lecturer. Stephanie earned her PhD in Earth and Environmental Sciences from CUNY Graduate Center and her MA in Geology from The City College.

**AnnieLu Dewitt, Remediation Technologies Business Development Manager, Clean Harbors Environmental Services, South Portland, ME**



AnnieLu is the National Technical and Sales Lead for the Emerging Contaminant and Water Treatment Program for the Clean Harbors Environmental Services Group. She brings her 25 years of experience in the environmental laboratory and remediation fields to assist clients in interpreting their analytical results to evaluate their options for treatment utilizing varied medias and pre-treatment equipment. Having worked as a GC/MS and LC-MS/MS chemist for PFAS compounds, she believes in the importance of evaluating the project as a whole, from suggesting the most valuable testing methods that help determine the best treatment trains and medias for complex waste streams and options for final deposition of their spent media. AnnieLu holds a BS in Chemistry-Geology from Bridgewater State University.

**Frank Getchell, Senior Technical Leader, Weston & Sampson, Reading, MA**



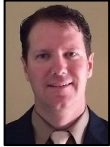
Frank Getchell is a Sr. Technical Leader-Hydrogeology and licensed geologist with Weston & Sampson Engineers' Water Resources Group. He has over 40 years of experience with projects focused on hydrogeologic characterization, and groundwater resource development and impacts from contamination throughout the United States. He regularly provides continuing education instruction for several of the state sections of the National Rural Water Association, AWWA, and NEWWA. He is a member of the AWWA Groundwater and Well Standards Committees, and a contributing author to several AWWA publications on groundwater supply development and management, and well rehabilitation.

**James K. Holley, PG, Senior Hydrogeologist, Director of Operations, Groundwater Management Associates Inc., Greenville, NC**



Mr. Holley is a Professional Hydrogeologist working with Groundwater Management Associates in Greenville, NC. He has more than 33 years of experience working as a consulting hydrogeologist. He has been with GMA for the past 24 years, and he currently serves as a Senior Hydrogeologist and Director of Operations at GMA. He earned a Master of Science Degree in Geology from East Carolina University in 1990, and he holds current Professional Geologist licenses in North Carolina, South Carolina and Georgia. The majority of Mr. Holley's career has focused on the sustainable development of groundwater resources in the Atlantic Coastal Plain of the Carolinas. He has extensive experience with exploration and development of groundwater supplies in crystalline metamorphic and igneous rocks of the Piedmont and Blue Ridge provinces of North and South Carolina.

**Daniel Holloway, PG, Hydrogeologist, Hampton Roads Sanitation District, Virginia Beach, VA**



Dan has worked for Hampton Roads Sanitation District for over two years and has experience and expertise in Managed Aquifer Recharge, Project Management and Hydrogeology. Before joining Hampton Roads Sanitation District, he was employed as a Senior Project Manager/Hydrogeologist at CH2M Hill for over 20 years and worked in the Water Business Group. He led various groundwater supply efforts in the Coastal Plain of Virginia including groundwater withdrawal permitting, investigations, supply development, design of well facilities, and operation and maintenance for large municipal withdrawals, as well as small community water systems. He also worked on the Sustainable Water Initiative For Tomorrow (SWIFT) project. Dan received a Bachelor of Science Degree in Geology/Earth Science from James Madison University and a Master's of Science Degree in Geology/Earth Science from Old Dominion University.

**John Jansen, PG, PGp, PhD, Senior Geophysicist & Hydrogeologist, Collier Geophysics, 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.

**Christine Julias, PE, Project Risk Assessor, Geosyntec Consultants, Inc., Pennington, NJ**



Christine has over 18 years of engineering experience. She has worked as the Risk Assessor at Geosyntec Consultants for almost 3 years. Previously, she was employed by CDM Smith as a Chemical Engineer for over 15 years. Christine earned her Master of Business Administration, Marketing at Pace University – Lubin School of Business. She earned her Bachelor's Degree in Chemical Engineering from Rutgers University. Christine is a Professional Engineer registered with the New Jersey Board of Professional Engineers and Land Surveyors.

**Seth Kellogg, PG, Principal Geologist, Geosyntec Consultants, Princeton, NJ**



Seth Kellogg is a Principal Geologist based in New Jersey with 25 years of experience. Seth is a leader in evaluating and managing sites impacted by per- and polyfluoroalkyl substances (PFAS), including expertise in evaluating PFAS "background" concentrations and PFAS forensic evaluations. She has co-authored PFAS best practice guidance for the National Groundwater Association (NGWA) and regularly educates regulators and industry professionals on the unique challenges of managing, characterizing and remediating PFAS. She is an advocate for scientifically based PFAS standards and has advised congressional and state staff on PFAS policy.

**Blake Martin, Vice President, Market Leader, Weston & Sampson, Reading, MA**



Blake is a Vice President and serves as the Water Market Leader for the firm. With over 30 years of experience, Blake leads the growth of Weston & Sampson's water resources, planning, ecology, and resiliency service areas. He has also cultivated the development of their urban and resiliency planning, permitting, wetlands/ecological studies, water supply/hydrogeology, well and pump, and emerging contaminants treatment services, specifically water treatment for PFAS removal. With an in-depth knowledge of all of the company's service lines in the water market, across our geographic footprint, Blake leads a team addressing client's needs. Blake earned his Bachelor's Degree in Geology, Economics and Environmental Studies at Williams College.

**Bill Magette, Owner, Magette Well & Pump Co., Inc., Ahoskie, NC**

Bill Magette is third generation well contractor and owner of Magette Well & Pump, Inc. His work focuses primarily on public supply wells in the Coastal Plains from South Carolina to Virginia. Bill graduated from North Carolina State in 1978, upon graduation he started working in the groundwater industry. Bill is a licensed driller in NC and VA, additionally he has served as Vice President and President of the North Carolina Ground Water Association and was on the North Carolina Well Contractor Certification Commission for 7 years, serving as Vice Chairman the last 2 years.

**Kevin McGillicuddy, PG, Chief Hydrogeologist, Roscoe Moss Company, Los Angeles, CA**



Kevin McGillicuddy is Vice President and Chief Hydrogeologist for the Roscoe Moss Company. He joined the Roscoe Moss Company in 1996 and has worked as a technical liaison to municipal water agencies, groundwater consultants, and water well contractors. He has managed and participated in several educational workshops on water well design, testing and rehabilitation. Prior to joining Roscoe Moss Company, he worked as Director of Recharge Operations and as a Senior Hydrogeologist for the Orange County Water District in Fountain Valley, CA. Kevin holds a Bachelor of Science Degree in Geology from Boston College and Masters' of Science Degree in Geology from the University of Southern California. He is a Registered Geologist in California.

**R. David G. Pyne, PE, President, ASR Systems LLC, Gainesville, FL (maybe)**



David is a professional engineer who has pioneered development of the ASR technology for storage of water through wells in fresh, brackish, or seawater aquifers to meet seasonal, long-term, or emergency demands and to achieve sustainable water supplies through underground storage in confined and unconfined aquifers. He has directed or provided technical consultant assistance during development of about half of the 140 operating ASR wellfields in the United States. He is a civil engineer with extensive national and international experience, and is the author of the first book published on ASR.

**Jim Schultes, PE, Mechanical Engineer, Vice President, A.C. Schultes, Inc., Woodbury, NJ**

Jim has over 47 years of engineering experience with AC Schultes, Inc. He earned his BS in Mechanical Engineering from Lehigh University and holds a MS in Civil Engineering from Drexel University. He is a licensed Professional Engineer in multiple states as well as a licensed Master well driller in multiple states.

**Thomas Seacord, PE, Vice President, Carollo Engineers, Boise, ID**



Tom Seacord is a Vice President with Carollo Engineers who has been working in the field of water supply and treatment for 26 years. He is a licensed Professional Engineer. Tom earned his BS and MS degrees in Civil Engineering from Clarkson University

**Richard Spruill, PhD, PG, Principal Hydrogeologist, Groundwater Management Associates, Inc., Greenville, NC**

Dr. Spruill is a hydrogeologist specializing in the evaluation and development of the groundwater resources of the Atlantic Coastal Plain. He has worked with municipalities, industries (including the recreation industry), and the regulatory community to provide scientific insight during the planning and development of large-scale groundwater withdrawal projects. His areas of specific expertise include evaluation of the safe yield of aquifers and aquifer systems through detailed aquifer testing, well-head protection planning, and the evaluation of the position and movement of the salt-water/fresh-water interface in coastal environments. He is interested in groundwater protection regulations, such as the Capacity Use Area program administered by the Division of Water Resources, and has played a significant role in bringing to the forefront the major problems facing NC groundwater users in the central Coastal Plain and in our coastal environments. His current research involves evaluation of the safe yield of the Cretaceous Aquifer System of the Central Coastal Plain of NC. He taught courses in undergraduate general geology and petrology, and graduate courses in hydrogeology and computer applications in hydrogeology. He has also taught in the undergraduate summer geology field program in the four-corners region of the western US for 27 years. Dr. Spruill is the Founding Director of the Coastal Water Resources Center at East Carolina University. He is a co-owner of Groundwater Management Associates, Inc., a North Carolina based consulting hydrological firm, the three-term Chairman of the North Carolina Board for Licensing of Geologists, and the past President of the National Association of State Boards of Geology. Dr. Spruill was inducted into the Educators Hall of Fame at ECU in October 2018.