

Principal Staff

Marvin Glotfelty, RG is Principal Hydrogeologist and co-founder of Clear Creek Associates. He is both a Registered Geologist in Arizona and California, and also a Licensed Water Well Driller in Arizona. He is recognized as one of the leading experts in water well design and construction technology in the United States. During his professional career of about three decades, Marvin has been involved with the design, installation, rehabilitation, or decommissioning of over 800 water wells, and he has served as Technical Director of the Arizona Water Well Association for over 20 years (since 1990). He has given over 100 lectures and workshops to professional driller organizations, hydrogeologists, water system operators, and university students in 17 different U.S. states and five other countries. He has authored about 20 publications including a Glossary of Driller's Terms (NGWA, 2004), and provided editorial review for the 3rd edition of *Groundwater & Wells* (Johnson Screens Co, 2007).



Mr. Glotfelty specializes in conducting studies of groundwater systems for public and private water purveyors and other entities having particular groundwater-related problems. He brings a complete understanding of the problem to be solved and a strong sense of the hydrogeological sciences that must be implemented to resolve it. He has a depth of knowledge in the design, assessment, and rehabilitation of water wells, and is proficient in relating that information to the local groundwater system(s) being considered. Mr. Glotfelty also provides expert witness support for legal matters that involve groundwater and wells. For his innovative work on rehabilitation of municipal wells to improve their water quality, Mr. Glotfelty was awarded the City of Phoenix Mayor's Environmental Award in 1995, and he gained national prominence by being selected as the 2012 McElhiney Distinguished Lecturer for the National Ground Water Association.

Doug Bartlett, RG, CHG, CPG, is Principal Hydrogeologist and co-founder of Clear Creek Associates, and Registered Geologist and/or Certified Hydrogeologist in six states. Over the past 35 years, he has built a solid reputation as a hydrogeologist with diverse experience. Mr. Bartlett directs much of the firm's work in the areas of groundwater computer modeling, hydrogeologic investigations, and mining-related hydrogeologic services. At Clear Creek, he has managed numerous large projects including water supply investigations for developments and mining operations, obtaining Assured Water Supply, Underground Storage Facility, and Aquifer Protection Permits, investigation of groundwater contamination involving organic solvents, metals, and other hazardous compounds, and the design of groundwater remediation systems. Mr. Bartlett also provides expert witness support for legal matters that involve hydrogeology.



Over the past 35 years, Mr. Bartlett has developed many groundwater computer models to evaluate groundwater resources, assess the future impact of groundwater pumping, design groundwater recharge projects, trace the migration of contaminant plumes, and develop remedies to clean up contaminated groundwater. Mr. Bartlett also has considerable experience conducting hydrogeologic studies at mining sites throughout the western U.S. His mining projects have focused on both water supply and solving environmental problems for mining companies. Clear Creek Associates continues this strong relationship with the mining community in Arizona where Mr. Bartlett is currently overseeing numerous water resource and environmental projects at various Arizona mines.



Michael Alter, M. Sc., PG, RG (VA, PA, AZ) is the manager of Clear Creek's Northern Virginia office and has over 15 years of experience in geologic and hydrogeologic investigations for the mining industry, municipalities, and industrial facilities. Originally from Virginia, Mr. Alter attended Virginia Tech, where he received his Bachelor's degree in geology. He received his graduate degree from Arizona State University, where he worked under one of the premier structural geologists in the west. Mr. Alter's expertise is managing large-scale aquifer studies and remedial investigations in bedrock and sedimentary basin settings. Mr. Alter started Clear Creek Associates' Tucson Office in 1999, growing the office to a staff of 10 professional geologists.

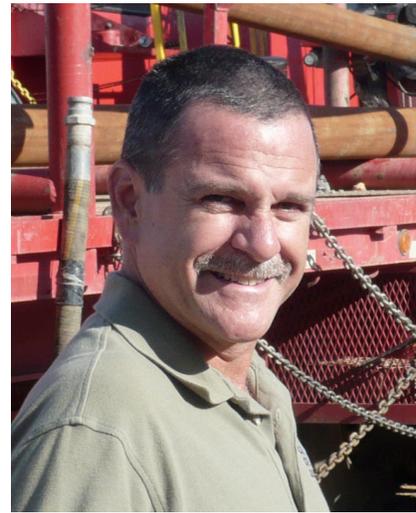


Mr. Alter recently returned to Virginia to start an east coast office for Clear Creek Associates. He is an expert in identifying and developing groundwater resources in fractured bedrock settings. He understands and knows when to apply investigative techniques such as geologic mapping, fracture-trace analyses, surface geophysics, exploration/test well drilling and aquifer testing. He has represented municipal and industrial clients on water resources investigations involving water well siting, design, installation, and testing; injection well design and operation; well rehabilitation; and long-term drawdown and mounding analyses. Mr. Alter has an exceptional technical expertise for these projects, but also has extensive experience with interacting with the public and negotiating with regulatory agencies. Mr. Alter's environmental investigation and remediation projects have included, among others, active and inactive landfills, petroleum fueling facilities, and mining sites. He is an expert on groundwater contamination issues associated with large-scale industrial operations, and has investigated and modeled complex contaminant plumes including chlorinated solvents, metals, and radionuclides. He has represented industrial, mining, and municipal clients in large-scale groundwater contamination projects under various federal, state, and local regulatory programs.

Tom Suriano, RG is a Principal Hydrogeologist with more than 23 years of professional experience in managing environmental investigation and remediation projects at complex chlorinated solvent sites and hydrocarbon sites. Mr. Suriano is a Registered Geologist in Arizona, and is one of the state's leading experts in environmental site investigation and characterization, designing and implementing remedial actions, and in optimizing on-going remedial actions. Mr. Suriano brings to Clear Creek Associates skills and experience honed within the industry and utility sectors, including managing environmental site assessment and remediation projects in the United States, Europe and Asia, environmental investigation and water resource projects in Phoenix to develop water management plans for regional well networks and integrate water quality considerations into regional water resource planning. Mr. Suriano played an active role in developing Arizona's new Water Quality Assurance Revolving Fund (WQARF) legislation and in drafting the soil rule, the remedy selection rule, and the voluntary remediation program rule. Mr. Suriano was appointed by the Governor and served a term on the Water Quality Assurance Revolving Fund Oversight Board. Mr. Suriano currently works for a variety of municipal, mining and private sector clients at sites involved with CERCLA, RCRA, UST, VRP, and WQARF investigation and remediation activities, and he represents several municipal water providers at Superfund Sites, where he has responsibility for overall technical guidance, site investigation and remediation approach, and senior-level technical review of technical specifications and reports.



Don Hanson, RG is a Principal Hydrogeologist with over 28 years of experience in Arizona and a recognized expert in water resources projects as well as environmental investigation and remediation. Mr. Hanson directs a variety of projects for private, public, and mining sector clients related to hydrogeologic investigations, aquifer storage and recovery, water supply development, water and reuse master planning, and public supply well installation/rehabilitation. He has also overseen soil and groundwater remediation and completed risk-based closures for sites impacted by chlorinated solvents, pesticides, metals and other hazardous compounds, and currently serves as technical advisor for large petroleum release projects. Mr. Hanson works within numerous state and federal regulatory frameworks and is well respected as a technical expert by the regulatory community. With many years of experience working on both Federal and State Superfund projects involving various types of contaminants, Mr. Hanson has amassed a knowledge base that allows him to provide the technical expertise needed to develop cost effective site characterizations, feasibility studies, and remedial actions for complex groundwater contamination sites.



Mr. Hanson has developed an impressive project list of water resources related projects. He has managed the design and construction of more than 15 aquifer storage & recovery (ASR) wells, as well as multiple vadose zone injection wells and groundwater recharge basins. He has also been the technical lead for several water supply and water reuse/recharge master planning projects. Current recharge work includes the evaluation and enhancement of underperforming recharge projects for several municipalities as well as feasibility studies for focused recharge of storm water. He has authored papers and given numerous presentations on water well design, construction and rehabilitation, methods and impacts of groundwater recharge, and indirect potable reuse.

Lori Bartlett is a founding Principal and Business Manager for Clear Creek Associates, Inc. and Clear Creek Associates PLC. Her responsibilities include overseeing the financial management of these companies including implementing finance, billing, accounting and auditing procedures. Additionally, she is responsible for maintaining and implementing internal controls and safeguards, ensuring that records systems are maintained, and developing and implementing strategic business and operational plans.

With nearly 25 years of experience in the groundwater consulting industry providing Program Management for multi-million dollar projects as well as administrative and financial management, she is superbly qualified to coordinate and manage all administrative and financial aspects of any size project.

