



American Ground Water Trust
Water Wells & Pumps Workshop, Lakewood, CA – December 1, 2021
PRESENTER PROFESSIONAL BACKGROUND (in presentation order)



Andrew Stone, Executive Director, American Ground Water Trust, Concord, NH

Andrew Stone is a hydrogeology graduate from University College, London. He has over thirty-five years of groundwater experience in Africa and the U.S. as a university professor, groundwater consultant and groundwater advocate & educator. From 1990 to 2003, he taught an annual course on Groundwater Protection Policy at Antioch New England University. In recognition of his work in promoting groundwater resource education in the US, he received the 1998 National Ground Water Association "Oliver Award" for outstanding contributions to the groundwater industry.

Denise Kruger, Western Business Development Manager, Subsurface Technologies, Inc., CA

Denise L. Kruger recently joined Subsurface Technologies, Inc. as the Western Business Development Manager. Prior to this, Ms. Kruger was the Senior Vice President, Regulated Water Utility for Golden State Water Company. In this role, Ms. Kruger had oversight of all functions in the regulated water unit, including Water Operations, Asset Management, Environmental Quality, Customer and Community Relations, Customer Service, Water Use Efficiency, Water Resources and Regulated New Business. Golden State Water Company's water unit provides water service to approximately 260,000 customer connections in over 80 communities throughout California. Ms. Kruger has over 30 years of experience in the utility industry. She holds a Board seat on CFE, the California Foundation for the Environment and Economy, and is a past Chair of the Water Research Foundation. Ms. Kruger is also a past Chair of the American Ground Water Trust. She received a Bachelor of Science Degree in Mechanical Engineering from the University of California-Davis and a Master of Business Administration Degree from the University of California-Irvine.

Fred Rothauge, Special Projects Manager, Hydro Resources, Simms, TX

Fred Rothauge has over 30 years of experience in the drilling fluids industry. His experience in oil and gas, mining and water well drilling and rehabilitation industry covers a broad array of locations, drilling processes and fluid solutions. He was a co-author of Johnson Screen's 3rd edition of *Groundwater and Wells*. He is a licensed well driller/contractor in Wyoming, Utah, Arizona, South Dakota, New Mexico, Montana and Colorado. He is certified by the National Ground Water Association in air rotary drilling, mud rotary drilling, reverse circulation drilling, and water well drilling and maintenance.

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

Kevin McGillicuddy is the Senior Hydrogeologist and Director of the Stormwater Treatment Division of 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.

Noah Heller, PG, President, BESST Inc., San Rafael, CA

Noah has been a practicing geologist for the past 35 years, has a Master's Degree in Geology and is a California registered geologist. In total, he has received 16 patents and has patents pending as well. Since 2005, Noah has focused much of his time on the commercialization and continuing technical development of the Tracer Flowmeter and Depth Dependent Sampler that was initially developed by the USGS and licensed exclusively to BESST. Over the past 15 years, BESST has profiled approximately 1,000 public supply wells, primarily for water quality and has amassed a large database of zonal geochemistry throughout California. BESST has applied this knowledge to better understand subsurface distribution patterns of naturally occurring and anthropogenic compounds. These insights have led to the development of a new application for the technology called Stacked Dynamic Profiling of Long Screened Test Wells. This technology and method are being applied at sites through the US with great success and is the topic of today's presentation.

Jim Bailey, National Well Services Director, Shannon & Wilson, Seattle, WA

Jim has a MS degree in hydrogeology and is a registered professional geologist. He has over 20 years of experience in ground water supply work and hydrogeological investigations. Mr. Bailey was previously President of a well services company in the Pacific Northwest and has conducted a scientific study in Europe of proprietary German well rehabilitation technology. He has managed numerous water well rehabilitation projects using this technology in the Pacific Northwest, Western Canada, and the Southeast and gives frequent workshop presentations on well maintenance and rehabilitation.

Christofer S. Coppinger, PG, CHG, Principal Geohydrologist, Geoscience Support Services, Claremont, CA

Chris Coppinger has more than 15 years of experience on groundwater and well investigations for numerous municipal and private clients. His expertise is in well design, construction, testing, comprehensive well assessments and well rehabilitation programs. His project work includes groundwater hydrology investigations, groundwater basin studies, source contaminant analyses and groundwater quality studies. He also has experience with artificial recharge and conjunctive use studies and desalination feed water supply studies. Most recently, Chris has served project manager on a number of well drilling and rehabilitation engagements involving well siting, well design and construction, well development and aquifer pumping test analyses. Chris volunteers for the California-Nevada Section of the American Water Works Association and makes frequent presentations to operators and other water professionals on well efficiency practices. He earned a B.S. in Geology from the College of William & Mary and is a Professional Geologist and Certified Hydrogeologist in California.

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 Univ. 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. In 1996, he joined Goulds Pumps ITT and was promoted to Regional Commercial Business Manager in and Regional Market Development Manager in 2004. He was the 2005 NGWA McElhiney Distinguished Lecturer and presented "Well Efficiency Is Not a Myth" to over 20 water well contractor conventions.

Daniel Peters, Applications Engineer, Yaskawa America, Inc., Cyprus, CA

Dan Peters has over 25 years of experience in applying variable frequency drives (VFD's) to a variety of commercial and industrial applications. He has been developing and/or testing custom VFD software for a variety of applications including water pumping, elevators, and electronic line shaft. For the last ten years his work has focused on water pump specific applications for VFD's using custom application software environment. This includes extensive field testing on a variety of water pumping applications including: Vertical Turbines, Centrifugal pumps & Submersible pumps.

Mark Howard, Business Development Manager, Western Region, Layne Christensen (A Granite Company), Redlands, CA

Mark is a water well industry professional with over 40 years of experience. He has an extensive career of managing and executing projects throughout California and the United States. His principal skills are in drilling of high yield water wells for municipal and agricultural applications. Mark's work has also involved well development and well rehabilitation. He has held several senior positions within Layne (account manager, marketing manager and pump division manager) and previously worked for Beylik Drilling as pump division manager and as pump manager for Howard Pump Inc.