

PROFESSIONAL BACKGROUND OF PRESENTERS
New Mexico Groundwater Webinar – Tuesday, November 24, 2020

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.

Katie Markovich, PhD., Hydrologist, Intera, Albuquerque, NM



Katie Markovich has a B.Sc. in Geology from the University of Texas at Austin and a Ph.D. in Hydrology from the University of California, Davis. She is currently a Hydrogeologist with INTERA, Inc. in Albuquerque, NM, working in support of site closure in the mining industry, groundwater and integrated hydrologic model evaluation for government entities, and technical support for environmental litigation cases. Dr. Markovich has over seven years of experience in hydrogeology and environmental science with expertise on the development of conceptual and numerical flow models and recharge estimation in mountain groundwater systems using a variety of tracer and numerical modeling techniques. She has conducted research and hydrogeologic assessments around the world including in Chile, Cambodia, Kenya, Sweden, and the U.S. Southwest.

Rebecca Roose, Water Protection Division Director, New Mexico Environment Department, Santa Fe, NM



Rebecca Roose is a federal environmental policy expert who returned to New Mexico in 2019 following a career at the U.S. Environmental Protection Agency in Washington, D.C. At EPA Headquarters, Rebecca devoted over a decade to supporting EPA, states, and tribes with implementation of federal water protection programs. During her last two years at EPA, she served as Senior Advisor for Tribal Capacity Development in the American Indian Environmental Office.

Rebecca earned her law degree and natural resources law certificate from the University of New Mexico and her bachelor's degree in Geography from Valparaiso University. She is a member of the District of Columbia Bar Association.

As Director of the Water Protection Division, Rebecca leads surface and ground water quality, drinking water protection, Superfund and water infrastructure finance programs for the State.

Marissa Fichera, Hydrogeologist, New Mexico Bureau of Geology & Mineral Resources, Socorro, NM



Marissa is hydrogeologist for the Bureau's Aquifer Mapping Program. Her research interests include interested in regional-scale groundwater flow processes, groundwater-surface water interactions, and the influence of dams on river flow, water quality, and ecosystems. She is currently involved with developing 3D hydrogeologic maps of New Mexico aquifers using ArcGIS, and a hydrogeologic assessment of the Salt Basin in New Mexico and Texas. Marissa is also working with the NM Oil and Gas Conservation Division (NM OCD) to build a 3D hydrogeologic map of the Delaware Basin, which will support regulation and permitting of oil and gas wells being drilled in the area. Marissa has a MS in Hydrogeology from Colorado State University, and a BS in Geophysics from University of Texas at Austin.

Laila Sturgis, Hydrogeologist, Aquifer Mapping Program Manager, New Mexico Bureau of Geology & Mineral Resources, Socorro, NM



Laila Sturgis is a hydrogeologist with more than 15 years of consulting experience in water resource management and joined the Bureau of Geology in 2019 as manager of the Aquifer Mapping Program. Laila's focus has been on water planning and water rights, with the majority of her projects serving Native American populations in New Mexico. Recent key projects include: facilitating New Mexico State Regional Water Planning meetings for the Lower Pecos and the Lower and Middle Rio Grande regions, Navajo Nation litigation support in the adjudication of the Little Colorado River, regional water planning for the Navajo Nation, water resource inventories for the Santa Clara Pueblo, and water and wastewater infrastructure development for the Alamo Chapter of the Navajo Nation. Laila has MS and BS degrees in Hydrology and

Geology from the New Mexico Institute of Mining and Technology

Diane Agnew, Environmental Manager, Albuquerque Bernalillo County Water Utility Authority, Albuquerque, NM



Diane supports the implementation and tracking of the Water Authority's 100-year water management strategy, *Water 2120*, including the identification of future sources. She is on a team that completed a study of aquifer storage and recovery suitability in the Water Authority service area. She is also the lead for source water protection planning and protection measures for the Water Authority. Ms. Agnew's degrees include a B.S. in Geology and M.S. in Hydrology, both from the New Mexico Institute of Mining and Technology. In the course of her career, she has worked in environmental consulting, as project manager for the remediation of soil and groundwater contamination at federal facilities and as a hydrologist for the New Mexico Environment Department.

Mike Hamman, PE, Chief Engineer, CEO, Middle Rio Grande Conservancy District, Albuquerque, NM



Mr. Hamman has more than 33 years of engineering and water resources management experience with extensive knowledge of New Mexico water resource development projects and issues. Prior to the Middle Rio Grande Conservancy District Mr. Hamman was the Area Manager for the U.S. Bureau of Reclamation, a federal water management agency with 13 projects from the San Luis Valley in Colorado to Fort Quitman in Texas. As Area Manager, he led a staff of 190 in six field offices that perform operations and maintenance of well fields, diversion dams, large dams and reservoirs such as Elephant Butte, river channel maintenance on the Rio Grande and Pecos basins, water modeling and accounting for project water, and implementation of endangered species programs. In addition, Mr. Hamman worked as a Regional Water Planner for the NM Interstate Stream Commission, Water Utility Director for the City of Santa Fe, and Water Administrator for the Jicarilla Apache Nation. Mr. Hamman was raised in Taos and received his Bachelor of Science degree in Civil Engineering from the University of New Mexico.

Hannah Riseley-White, Pecos River Basin Manager, NM Interstate Stream Commission, Santa Fe, NM



Hannah is a native Santa Fean who recently returned after 20 years mostly working for New York City-based nonprofits, supporting community designed and implemented green space. She has a certificate in Ecological Horticulture from UC Santa Cruz, and a master's degree in Environmental Science and Management from UC Santa Barbara. She currently serves as the Pecos River Bureau Chief for the New Mexico Interstate Stream Commission.

Denise Akob, PhD., Research Microbiologist, US Geological Survey, Reston, VA



Dr. Akob is a microbial ecologist and biogeochemist whose research aims to understand interactions between microbes and their environment in order to solve anthropogenic issues. Her research focuses primarily on understanding microbial impacts on Cold War Biogeochemistry (uranium and chlorinated solvent contamination); energy production (either by mitigating degradation of contaminants (from hydraulic fracturing or oil spills) or by enhancing natural gas production); and carbon cycling. Dr. Akob joined the U.S. Geological Survey in 2012 as a research scientist in the Water Mission Area, and move to the Geology, Energy, and Minerals Science Center in 2020. Denise has a PhD from Florida State University and a BA from St. Mary's College of Maryland.

Rebecca Sobel, Senior Climate and Energy Campaigner, WildEarth Guardians, Santa Fe, NM



Rebecca Sobel is the Senior Climate and Energy Campaigner at WildEarth Guardians. The entirety of her professional career has been focused on social and environmental justice. Originally from Philadelphia, Rebecca feels blessed to call the Southwest her home. In 2006 Rebecca began working with Greenpeace as a Field Organizer, where she organized the March for Climate Action in Vermont with Bill McKibben. In 2007 she started with WildEarth Guardians as the Grassroots Director. After some time away, including a stint as the Executive Director of the New Mexico Coalition for Clean Affordable Energy, she came back to Guardians in 2016.

