

INSTRUCTOR BIOGRAPHIES

Solute Transport Modeling for the Environmental Professional

Mark Kauffman

Mr. Kauffman is Senior Environmental Scientist and President of [Quantitative Hydro Solutions, Inc.](#) He has managed and consulted on a number of projects and has special expertise in hydrogeologic site investigations, analysis and interpretation of complex geospatial data, environmental forensic techniques, and groundwater flow and contaminant transport modeling. Mr. Kauffman has applied these techniques to interpret complex site data and provided consulting support for projects including site investigation and remediation, regulatory compliance, and litigation support. Mr. Kauffman has also provided technical expertise on litigation matters involving CERCLA cost recovery and cost allocation.

Brady Ziegler, PhD

Dr. Brady Ziegler of [Quantitative Hydro Solutions, Inc.](#) is a multidisciplinary hydrogeologist with extensive experience in environmental research, project management, and education. He specializes in water-soil interactions with a focus on water and soil quality, utilizing advanced geochemical modeling, laboratory analysis, and field techniques to evaluate contaminant behavior and improve environmental monitoring. In addition to his academic background, he has over 12 years of field experience leading groundwater sampling campaigns across the country and abroad. Dr. Ziegler demonstrates a proven ability to manage complex, multi-year projects, secure research funding, and provide high-quality deliverables while mentoring and collaborating with diverse stakeholders. He is passionate about applying his expertise in environmental monitoring to solve real-world environmental challenges.