



MARK A. HIGGINS, PH.D.

Senior Technical Specialist | Hydrogeologist

EDUCATION

Ph.D., Geological Sciences (Hydrogeology), University of Connecticut

M.S., Geological Sciences (Hydrogeology), University of Connecticut

B.S., Geological Sciences, University of Connecticut

PROFESSIONAL SOCIETIES

International Association of Hydrogeologists – *US National Chapter Board Member*

Environmental Professionals Organization of Connecticut - *Member*

Geological Society of America - *Member*

National Groundwater Association - *Member*

SPECIAL SKILLS AND APPLICATIONS

Geographic Information Systems: ArcGIS, Spatial Analyst Toolset, ArcScene, MS Access

Modeling and Statistics: AQTESOLVE, R, ProUCL, WellCAD, Strater, Surfer

SPECIAL STUDIES AND COURSES

Instructor for CT-LEP and MA-LSP credits-approved courses on High-resolution Site Characterization Methods, CSM Data-management, and Groundwater Sampling Methodologies

Instructor of college level courses in GIS, Hydrogeology, and Geoscience

40-Hour OSHA HAZWOPER Training (29 CFR 1910.120)

8-Hour OSHA HAZWOPER Refresher Training

Mark is a senior hydrogeologist with over a decade of experience in contaminated site investigations, particularly in (but not limited to) fractured bedrock. His project work and expertise include a strong focus on contaminant fate and transport, applied field-data collection methods, multilevel groundwater-monitoring systems, data analysis, and data visualization. His research has involved investigating the mobility of arsenic and road salt in New England soil and groundwater, implementing bacteria as groundwater recharge source indicators, and developing analytical models to improve groundwater sampling practices. Prior to pursuing his doctorate, Mark spent over six years working for Flexible Liner Underground Technologies (FLUTE™). As the East Coast Field Manager he focused on down borehole flow profiling methods, multi-level sampling systems design and implementation, and data analysis on global projects. Mark also has Geographic Information Systems (GIS) expertise that includes legacy data digitization/transformation, database management, spatial analysis, and graphical presentation.

Mark focuses his efforts at Haley & Aldrich serving as a technical expert on Contaminated Site Management (CSM) projects and in Litigation Support. With his wide range of applied skills, knowledge, and experience, he brings a unique perspective and can provide new insights or solutions to projects. Mark's former work experience also makes him an excellent technical advisor to those looking to choose appropriate field data collection methods, develop site monitoring programs, or troubleshoot issues with field implementation. His experience with interdisciplinary research, technical presentations, and project management makes him a proficient communicator to team members, clients, stakeholders, and regulatory authorities.