

JONATHON WELLS, P.G.

EDUCATION

MA Geology, Boston University, 1995.

BS Earth Science (Geology Concentration), University of Massachusetts/Boston, 1988

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Professional Geologist, Pennsylvania License No. 5271

Professional Geologist, New York Certificate No. 1143

OSHA 40 hours HAZWOPER

EMPLOYMENT HISTORY

2025 to present – Sevee & Maher Engineers, Inc. DBA UHL & Associates, Hydrogeologist

2013 to 2025 – UHL & Associates, Consulting Hydrogeologist

2019 to 2023 – Geosyntec Consultants, Consulting Hydrogeologist

2006 – Eastview Environmental (Independent Consultant)

1999 to 2001 – Tetra Tech – HIS Geo Trans, Project Hydrogeologist

1997 to 1999 – Arcadis (Geraghty & Miller), Staff Hydrogeologist

1993 to 1997 – Woodward-Clyde Consultants, Senior Staff Hydrogeologist

1989 to 1992 – Baker Environmental – Weston Geophysical Corporation, Geologist

PROFESSIONAL PROFILE

Jonathon Wells is a geologist and hydrogeologist with more than 30 years of experience in environmental consulting, groundwater resource evaluation, and water-supply planning. His expertise includes hydrogeologic investigations, numerical groundwater modeling, and municipal water resource management across diverse geologic and regulatory settings.

He began his career in the late 1980s with Baker Engineering/Weston Geophysical, near Boston, Massachusetts, conducting Phase I and II Environmental Site Assessments, site investigations, water-supply development, and geophysical surveys. His early work included projects throughout New England, Washington, DC, and Puerto Rico for private clients and local, state, and federal agencies.

He later worked in southeastern Pennsylvania and New Jersey with Woodward Clyde Consultants and ARCADIS (Geraghty & Miller), focusing on contaminated site investigations and interpretation of large environmental datasets.

Over the past thirteen years, he has worked as an independent consultant with UHL & Associates, and UHL & Associates, an Sevee Maher Engineers (SME) company on groundwater management and environmental consulting projects, including groundwater resource evaluations, municipal water supply master planning, and well siting. His work includes aquifer mapping in glacial and bedrock systems, groundwater recharge and use analysis, and sustainability evaluations to support municipal planning.

REPRESENTATIVE PROJECTS

Groundwater Supply Planning & Sustainability Evaluations (2020–2026) - Completed groundwater supply evaluations and master plans for municipal water departments and utilities in Pennsylvania and New Jersey. Compiled and analyzed pumping rates, aquifer recharge rates to develop water budgets and assess sustainability of groundwater withdrawals. Evaluated aquifer systems in fractured bedrock and glacial deposits within the Newark Basin and New Jersey Highlands, mapped aquifer extents and buried valleys, and identified future well exploration targets. Prepared hydrogeologic reports, maps, and cross sections to support and water allocation permitting and groundwater supply planning.

Water Supply Operations, Testing & Wellfield Evaluation (2020–2026) - Measured pumping rates using weir, orifice, and ultrasonic flow meters; recorded static and pumping water levels; and oversaw downhole video surveys, specific capacity tests, step tests, and aquifer tests. Supervised drilling, well installation, and development. Analyzed pumping test data to estimate aquifer properties and evaluate well performance.

Groundwater Assessment & Well Siting (2016–2026) - Performed fracture trace analysis using stereo aerial photography and field verification to identify optimal well locations in fractured bedrock and glacial aquifers. Mapped groundwater use, contamination sources, and hydrogeologic constraints to support well siting and resource protection.

Water Allocation and Temporary Dewatering Permitting (2025) - Prepared hydrogeologic report supporting a major modification to a municipal water allocation permit. Delineated watershed contributing areas, calculated recharge under normal and drought conditions, estimated available groundwater supply, and evaluated radius of influence.

Contaminated Site Investigation & Remediation (2013–2025) - Conducted investigations of petroleum UST releases for an insurance client. Oversaw drilling, Geoprobe investigations, and monitoring well installation. Delineated soil and groundwater contamination, directed excavation and remediation activities, and conducted confirmatory sampling. Prepared technical reports.

CONFERENCE PRESENTATIONS AND PUBLICATIONS

Daw, Ashish, Uhl, V. and Wells, J., 2024. Instructors for TCH Courses on “Overview of Production Well Asset Management and Diagnostic Programs”. New Jersey Water Association.

Guswa J. H., et. al. (2001) Use of FLUTE™ Systems for Characterization of Groundwater Contamination in Fractured Bedrock, Presented at the Fractured Rock 2001 conference.