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(she/her)

## Areas of Expertise

- Database Development
- GIS & Spatial Data Tools
- Data/Document Validation
- Historical Information Review
- Remedial Investigation/Design

## Services

- Data Quality Management
- Historical Site Analysis
- Data Acquisition & Visualization
- Spatial & Imagery Analyses
- Database Development
- Environmental Justice (EJ)
- Renewables

## Education

- M.S., Environmental Engineering, Tufts University
- B.S., Chemical Engineering, Iowa State University

## Naomi L. Slagowski, M.S.

### Senior GIS/Environmental Engineer

Ms. Slagowski is an environmental engineer specializing in database management and Geographic Information Systems (GIS). She focuses on managing data through database development and maintenance, developing custom data user interfaces, visualizing data through mapping and spatial tools, and validating laboratory and historical data. She has conducted extensive fieldwork, including sampling of soil, sediment, surface water, aquatic plants, groundwater, indoor air, and soil vapor, and has monitored, maintained, and assisted in the design of a variety of groundwater and soil vapor remedial systems. She has conducted historical document review to evaluate other consultants' field programs and data, and found and displayed historical data to evaluate previous fate and transport pathways to support litigation projects. Prior to environmental consulting, she worked as a molecular biologist in the Infectious Diseases Laboratory at Massachusetts General Hospital.

## Selected Projects

**Database Development:** Developed and maintained database and customized user interfaces. The database allowed users to review information on a complex product tracking project and was flexible enough to respond to changing project needs. Regularly added and updated data and maintained system to track changes.

**Database Development:** Maintained communication with client, laboratories, and other consultants to retain standardized and reliable data sets. Regularly added and updated data. Worked with client to update database with changing project needs.

**GIS and Spatial Analysis:** Displayed sediment data concentrations on an urban waterway to help identify source areas. Modeled chemical concentrations in the waterway to determine extent of sediment remediation possibly needed.

**Data and Document Validation:** Reviewed laboratory data reports, field notes, and historical data sources to compile multi-media environmental testing data sets. Validated laboratory data per US EPA National Functional Guidelines for Superfund Data Review.

**Historical Information Review:** Evaluated potential sub-surface preferential migration pathways by reviewing detailed utility maps from a variety of digital and paper sources and compiled sources into an updated map. Confirmed unclear locations in the field by investigating storm drain locations and depths.

**Remedial Investigation and Design:** Conducted air, soil vapor, soil, and groundwater sampling in businesses and residences at a vapor intrusion site. Operated, maintained, and assisted in design of vapor remedial systems. Validated laboratory data and managed database. Mapped data to visualize plume with relation to residences and businesses.

## Selected Publications and Presentations

**Slagowski, NL;** Mayo, MJ. 2023. "GIS tools to evaluate environmental justice concerns: Uses and limitations." *Gradient Trends* 88, Fall.

**Slagowski, NL;** Lemay, JC; Lewis, AS. 2023. "Evaluating Exposure and Risk in Communities with EJ Concerns: Uses and Limitations of Publicly Available Geographic Information System (GIS)-Based Tools." Presented at ACE 2023: A&WMA's 116th Annual Conference, Orlando, FL, June 6, 20p.

Herman, K; Pollock, M; Zhao, S; **Slagowski, N;** Rice, J. 2023. "Identifying and Managing Uncertainty in Environmental Response Costs at Sediment Sites." Presented at Battelle's International Conference on the Remediation and Management of Contaminated Sediments, Austin, TX, January 9-12.

Mayo, MJ; **Slagowski, NL.** 2022. "Environmental Justice and the MGP Community Programs and Screening Tools." Presented at the MGP Conference 2022, Chicago, IL, September 29, 17p.