

Maggie H. Beird
Geophysicist, Project Manager

Maggie H. Beird is a Geophysicist for THG Geophysics, Ltd. and has experience conducting various geophysical investigations including the location and orientation of bedrock fractures, vertical seismic profiling and other vertical seismic studies, landfill leak detections, void delineation (karst and mining-related), location of buried underground storage tanks (USTs) and drums, and utility and underground conduit location.

Education:

- B.S. Geology, University of Delaware, 2008.

Recent Publications:

Hutchinson, P. J., and M. H. Beird (2011). *Vs Comparison of Near-Surface MASW to SCPT Data from Ontario*. In: **Proceedings of the 24th Symposium of the Application of Geophysics in Engineering and Environmental Problems** (in press), April 2011, Charleston, South Carolina.

Hutchinson, P. J., and M. H. Beird (2011). *A Shear Wave Velocity Comparison – MASW to SPT*. In: **Proceedings of the 24th Symposium of the Application of Geophysics in Engineering and Environmental Problems** (in press), April 2011, Charleston, South Carolina.

Hutchinson, P. J., Krivos, H. L., and M. H. Beird (2011), *Very Low Frequency Electromagnetic Fracture Mapping for Groundwater Resources*. In : **Proceedings of the Geological Society of America Eastern Section** (in press), March 2011, Pittsburgh, Pennsylvania.

Hutchinson, P. J., M. H. Beird, and M. Mitchell (2010). *Groundwater purveying using Very Low Frequency fracture delineation methods*. In: **Proceedings of the 23rd Symposium of the Application of Geophysics in Engineering and Environmental Problems**, April 2010, Keystone, Colorado.

Hutchinson, P. J., and M. H. Beird (2009). *Detection of Subsurface Methane through Geophysical Methods*. In: **Proceedings of the Stray Gas Workshop**, November 2009, Pittsburgh, Pennsylvania.

Continuing Education

- Lyncole XIT Grounding Course, August 2011
- Geophysical Well Logging Short Course, May 2010
- Kansas Geological Survey, MASW Short Course, February 2010

Professional Societies:

- Pittsburgh Geological Society
- Environmental Engineering Geophysical Society

Certifications:

- OSHA 40-Hour Hazardous Worker HAZWOPER
- Hydrogen Sulfide Awareness Training, August 2011
- Shell Blue Book Safety Training, June 2011

Experience:

THG Geophysics, Ltd., Murrysville, Pennsylvania, Geophysicist

Ms. Beird's duties include performing various geophysical surveys including, but not limited to: electromagnetic imaging (EI), electrical resistivity (ER), ground (surface) penetrating radar surveys, seismic surveys, and fracture delineation studies. In addition, Ms. Beird is responsible for report preparation, cartography, directing field crews, and field data interpretation.

Environmental Consulting Services Inc., Middletown, Delaware, Environmental Technician

Responsible for collection, preparation, and processing of samples.