

# Quantum Geophysics

**Quantum Geophysics** (Quantum) provides a full range of surface and down-hole geophysical methods to identify subsurface conditions in support of engineering, environmental, and groundwater investigations. At Quantum, we believe that experience is key to getting the most out of a geophysical survey. Our experience in conducting geophysical investigations, along with our extensive inventory of equipment, allow us to bring you better solutions that will ensure high quality surveys, on time and within budget for virtually any type of geoscience concern.

Quantum was founded in 1990 by Richard Lee, the firm's president and principal geophysicist. Lee has more than 31 years of experience conducting geophysical surveys across the U.S. and overseas. He is a registered professional geologist in Pennsylvania and a registered geophysicist in California. Quantum is a Division of Gannett Fleming, Inc. operating from its Phoenixville, Pa., location.

Since its founding, Quantum has completed more than 500 geophysical surveys throughout the U.S. Project sites include roads, bridges, dams, power plants, fuel storage facilities, military facilities, harbors, landfills, brownfields, Superfund sites, airports, commercial and industrial facilities, schools, sub-divisions, and quarries. Clients include architectural and engineering firms, environmental firms, utilities, municipal, state and federal government agencies, developers, law firms, school districts, universities, and landfill operators.

Visit our Web site at [www.quantumgeophysics.com](http://www.quantumgeophysics.com) to learn how geophysics can be used on your next engineering, environmental, or groundwater project.

Evaluating an Interstate highway for karst conditions using multi-channel analysis of surface waves (MASW).



Richard Lee, president and principal geophysicist



## Our services include:

- Downhole geophysical logging and television video
- Electrical resistivity (two-dimensional, three-dimensional, electrical resistivity imaging, and four-pin in-situ and soil box testing)
- Electromagnetic
- Ground penetrating radar
- Leak detection
- Magnetometry
- Marine geophysics (bathymetric, side-scan sonar, sub-bottom profiling)
- Microgravity
- Seismic (refraction, reflection, downhole, cross hole, MASW)
- Self potential
- Very low frequency
- Vibration monitoring
- RoadScan
- BridgeScan.