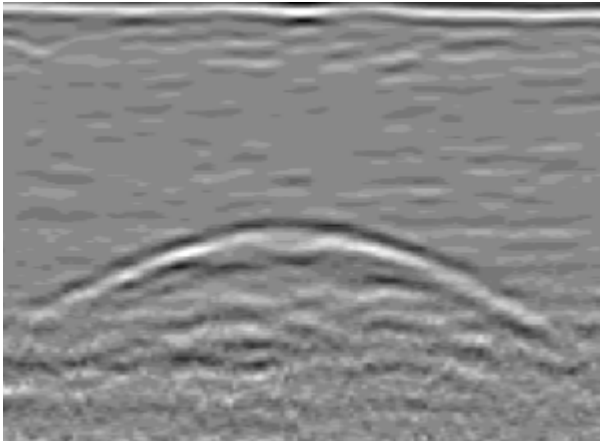


An Advanced Forensic Technique

To find buried evidence, investigators in the past have had to rely on hit and miss, time consuming excavation techniques, which can be destructive as well as costly. Investigators around the world have begun using Ground Penetrating Radar (GPR) to look for buried objects. Virtual Underground has an experienced radar service team ready to meet your locating needs.



Radar reflection showing object

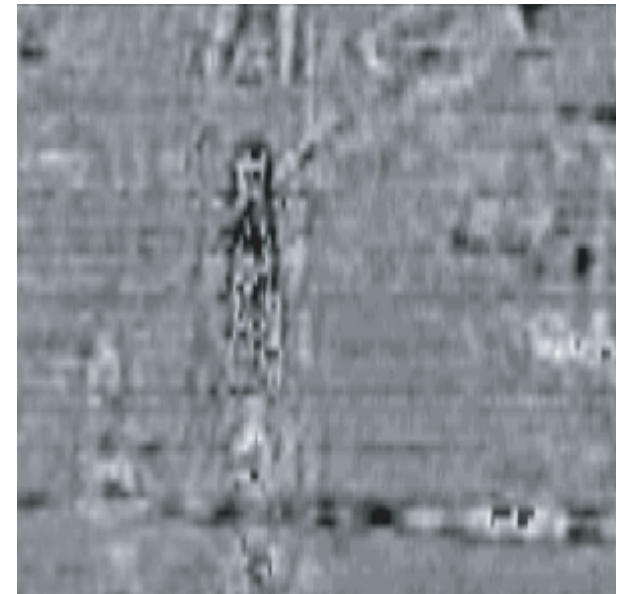
- Locate Human Remains
- Find Buried Evidence
- See Under Asphalt / Concrete Slabs
- Find Tunnels
- Survey Large areas Efficiently for Signs of Disturbed Soil
- Find Excavated Sites - Even from the Distant Past

4355J Cobb Parkway
Suite 402
Atlanta, GA 30339

Virtual
Underground
Incorporated

Forensic Locating and Mapping Service using Ground Penetrating Radar

Non-destructive method for locating buried evidence

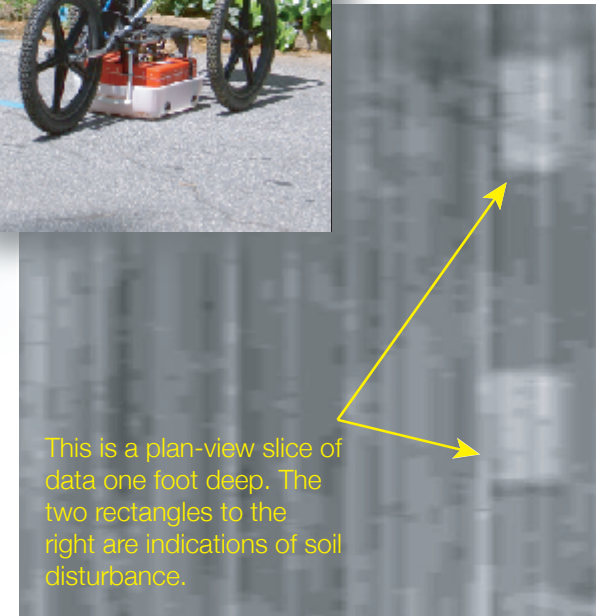


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Virtual Underground Flexibility

Most companies offering ground penetrating radar services only have the capability to use single channel radar systems. These devices excel at certain limited tasks, but most projects are better suited to using a multi-channel radar system. The TerraVision™ 3-D ground penetrating radar array (developed by Geophysical Survey Systems Inc.) is capable of efficiently collecting data over large areas. By creating a large continuous map, the array can resolve complex structures. The surveyed area can then be visualized in a manner similar to medical ultrasound or MRI scanning. This technique is ideal for mapping complex underground conditions. For smaller jobs where the TerraVision is unable to maneuver, we utilize the single-channel Utility Scan™ system.

We have the unparalleled capability to cover both large areas effectively and to work in small confined areas.



This is a plan-view slice of data one foot deep. The two rectangles to the right are indications of soil disturbance.

Radar Basics

Virtual Underground uses an advanced Ground Penetrating Radar (GPR) array to find subsurface objects made from many common materials. GPR sends a series of electromagnetic pulses into the ground. When they encounter a change in the soil (such as a buried object) the waves are reflected back to the surface. These are recorded by the instrument. From these reflections, the position and depth of objects can be determined. By keeping careful track of the measurements, a map is made of the site with the objects of interested highlighted.



Other Services Offered

- Utility Mapping and Locating
- Site Evaluation
- Environmental Assessment
- Facility Mapping
- Pre-Construction Planning
- Infrastructure Mapping
- Cemetery Mapping

Virtual Underground, Inc.

4355J Cobb Parkway
Suite 402
Atlanta, GA 30339

(404) 315-4828

sales @virtualug.com

www.virtualug.com