



Frequently Asked Questions (FAQs)

Aestus' GeoTrax Survey™ Technology

FAQ 1: What is Aestus' GeoTrax Survey™ technology and what does it do?

ANSWER 1: It is a geophysical survey technique that provides high resolution two-dimensional (2-D) images of the earth's subsurface; it is analogous to a CAT-Scan in the medical industry. GeoTrax Survey™. It is used to map geology, locate environmental contamination, as well as other uses.

FAQ 2: What type of equipment does Aestus' use to collect GeoTrax Survey™ data.

ANSWER 2: 3/8-inch diameter stainless steel electrode stakes are driven into the soil typically 8 to 14 inches deep. Cables are connected to the electrodes and to field computers that collect the data. (see example photos below).

FAQ 3: What happens if survey location is covered with pavement?

ANSWER 3: Aestus' pre-drills a 1/2-inch diameter hole through the pavement such that our electrode stakes can be driven into the soil a short distance below the bottom of the pavement. The holes in the pavement are patched upon completion of Aestus' work on-site.

FAQ 4: How much current does Aestus apply to the ground to conduct these electrical resistivity measurements? If pets or people wander past the survey area, it is safe for them to be nearby.

ANSWER 4: Aestus uses a standard 12-volt deep cycle marine battery as a power source. A current of ~350 milliamps is "injected" into the ground. Because this is relatively low current, it is safe for people to travel past our survey lines. Please avoid contacting our electrode stakes and be careful not to trip over our geophysical cables.

FAQ 5: If Aestus' geophysical cables cross a driveway, can one drive over the cables?

ANSWER 5: No, please do not drive over our cables as this will damage them. Aestus will have some traffic ramps on hand should personnel or contractors need vehicular access from the street into their parking lots. Please ask a company representative to have ramps installed if necessary. Your patience is appreciated as it takes a short time to place the ramps properly over the cables and allow vehicles to cross.



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Sole Provider of Trax Survey™ 2-D, 3-D, & 4-D Subsurface Imaging