

Got Sinkholes?

Let SCE's Cone Penetrometer Testing Rig (CPT) work for you...

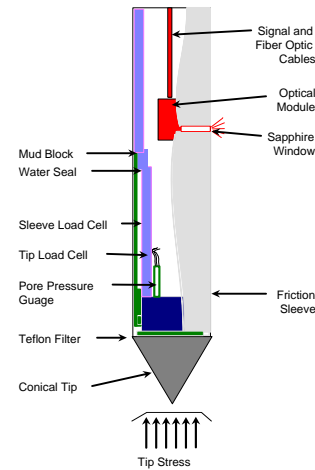
Cone Penetration Testing (CPT) is a cost-effective, reliable and environmentally friendly *in-situ* method of determining the physical and chemical characteristics of subsurface soil. The technology, involves hydraulically pushing a probe into the soil at a constant rate. Data collected is simultaneously correlated to a statistical model developed from thousands of tests next to logged boreholes that gives the user the soil behavior type and consequently the lithologic characteristics.

CPT was introduced to the United States in the early 1970's. Although it took some time for the US geotechnical industry to accept the technology as an alternative to conventional testing methods, it is now considered to be reliable not only in conducting geotechnical investigations but has been widely adopted by the environmental industry worldwide.

Continuous Stratigraphy Output Provides Detailed Profiles Directly into Site Database



The cone penetrometer measures tip resistance and sleeve friction as the standard piezocone (illustrated at right) is advanced into the ground. These measurements are then used to develop a stratigraphy profile. This is performed automatically by the CPT software. The classification profiles are very detailed, frequently indicating significant variability in soil type over small changes in elevation. Neither the GeoProbe® or auger rig can provide this type of data even if continuous soil samples are collected.



CPT probe provides continuous stratigraphic and hydrocarbon measurement as the probe is advanced into the ground

The Cone Penetrometer is the Most Effective Site Characterization Tool Available

The cone penetrometer (CPT) represents a significant improvement in site characterization technology over traditional methods such as conventional drilling and GeoProbe®. Advantages from the CPT include:

SCE's Standard Price of \$1,850 per day includes a daily rate of site activities and a data disk.

Please call or e-mail Mariah Wheeler @ 570-383-4151 or MWheeler@scenv.com for a formal quotation or a more detailed SOQ.

- Rapid ground penetration/removal doubling efficiency of conventional drilling,
- Real time collection of continuous in ground data which is not available from either drilling or GeoProbe®.
- Direct data import into multiple modeling programs for characterization and visualization not available from either drilling or GeoProbe®.

The speed and data quality of CPT surpasses conventional drilling and sampling methods and eliminates much of the subjectivity of conventional investigative techniques and is rapidly becoming the tool of choice for Sinkhole Investigations.

Call SCE Today to schedule your CPT @ 570-383-4151