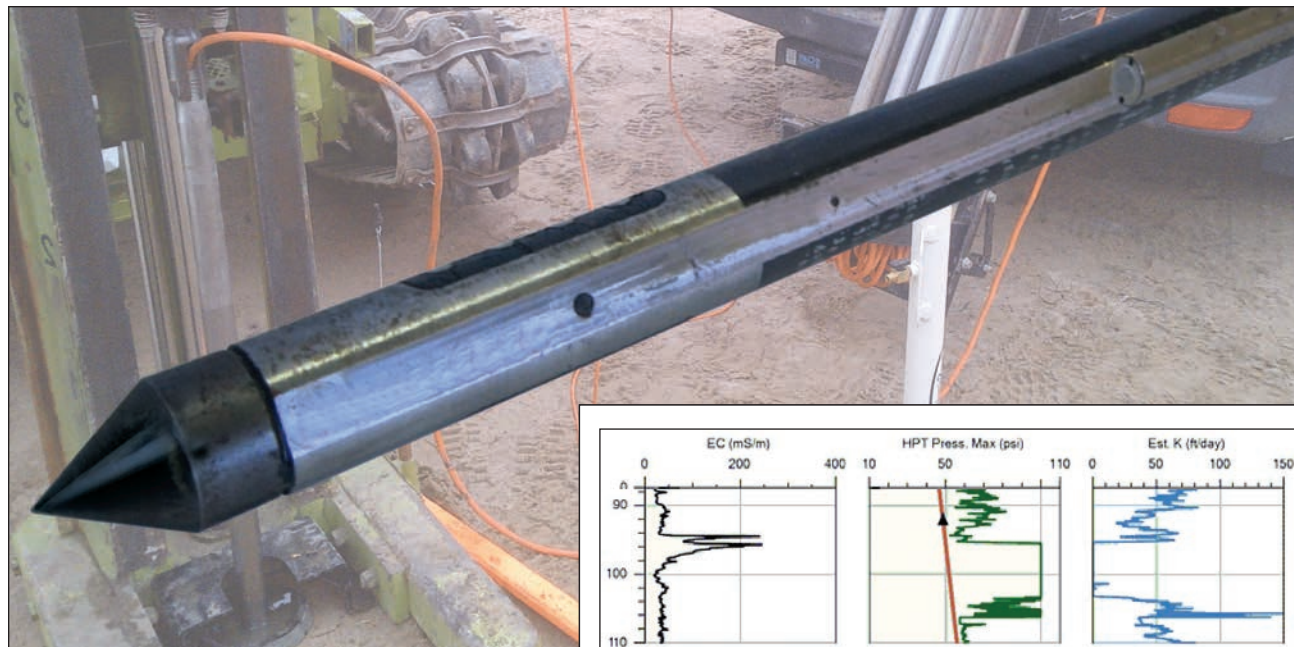




VERTEX
Environmental Inc.

HPT
SERVICES

Measures Subsurface Permeability In-Situ



Want to “identify” sand seams and confining layers on your site?

Eliminate the guess work in subsurface permeability with this direct-push tool. The HPT uses a jet of water and a pressure transducer to measure subsurface permeability in-situ, both above and below the water table.

The proprietary HPT software produces **real-time cross-sections** and estimates subsurface hydraulic conductivity and water table location. This aids in delineating zones of higher and lower hydraulic conductivity while on-site, allowing you to **understand the subsurface hydrogeologic conditions of your site** without having to wait for monitoring well installation, development and rising head tests to be completed and analyzed.

Benefits of Vertex's HPT Technology

- Continuous data being collected during logging ensures high density resolution
- Measures subsurface permeability, locates the water table and estimates hydraulic conductivity
- Electrical conductivity data also collected to provide detailed lithological information
- Data suitable for 3D subsurface modeling (a service also offered by Vertex)

Technology Snapshot:

Primary Use	Permeability
Locations per Day	10 to 12
Daily Depth Logged	45 to 60 m
Data Resolution	1 cm
Daily Data Points	4,500 to 6,000

Recognized as Canada's leading remediation specialists, Vertex provides world-class high resolution characterization services including data collection, analyses, visualization, mapping and tracking tools.

Vertex's experienced professionals combine the latest innovative in-situ tools and techniques to provide our clients with the most accurate results for their site characterization needs.

**Below the Surface
Beyond the Science**

Environmental Contracting
www.vertexenvironmental.ca

Vertex-High-ResCharacterizationServices-6P-20170926