

HYDRAULIC PROFILING TOOL

The Hydraulic Profiling Tool (HPT) is an injection logging tool that generates essential stratigraphic data that are integral to the creation of sound conceptual site models. The tool measures the subsurface resistance to injected water as the probe is advanced into the subsurface. This injection pressure log is an excellent indicator of formation permeability. In addition to measuring injection pressure, the HPT can be used to measure hydrostatic pressure (equivalent to equipotential surface) and can also be used to estimate hydraulic conductivity. Because it is a direct sensing tool, the data are made available immediately and the investigators can use this information to strategically collect groundwater and soil samples at important transition zones within the formation

BENEFITS OF THE HPT

- Produces a detailed hydrostratigraphic log
- Can be used to estimate hydraulic conductivity in the saturated zone
- Logs both HPT injection pressure and electrical conductivity
- Measures hydrostatic pressure and depth to water table
- Logging is easy to learn and operate
- Interpretation of logs is straight forward and intuitive

