

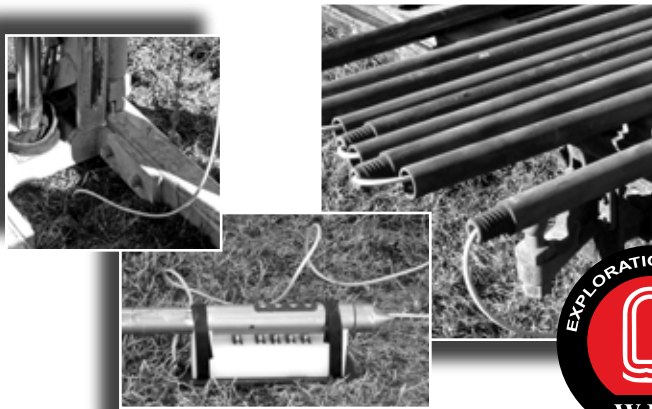
CONDUCTIVITY

electrical conductivity logging

Introducing Electrical Conductivity Logging - when used in conjunction with a WDC Direct Push rig, it's an excellent tool for expedited site characterization.

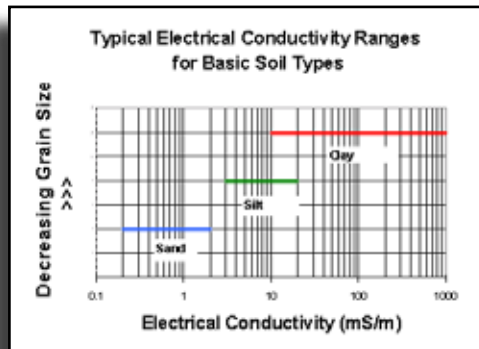
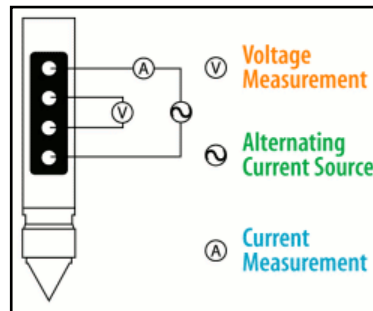
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During Electrical Conductivity (EC) Logging, a probe with an electric dipole array is advanced into the subsurface by a direct push rig. The highly sophisticated equipment is robust enough for difficult field work, and can be deployed in a range of configurations that adapt to virtually any site's unique needs.



The result is a high resolution, continuous log "100% Recovery" guaranteed in half the time with zero waste.

A current is sent through the formation between two probe contacts. The current is measured along with the resulting voltage. Conductivity is a ratio of current to voltage multiplied by a constant and expressed in milli-Siemens per meter (mS/m).



The measured conductivity of the soil is a function of the grain size. In general, larger grained material like sands have low conductivity values, while fine grained materials such as clays will have higher conductivity. Data is available in real time, allowing for a flexible, dynamic work plan that can adapt readily to an evolving conceptual site model.

Advantages

- Lithologic profile with no soil cuttings
- High vertical resolution (within .1 ft) - great for identifying narrow lenses and preferential pathways
- Data transmitted instantly - more footage per day in addition to real time information
- Universal Tab Delimited Data Format easily imports into modeling software and databases



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