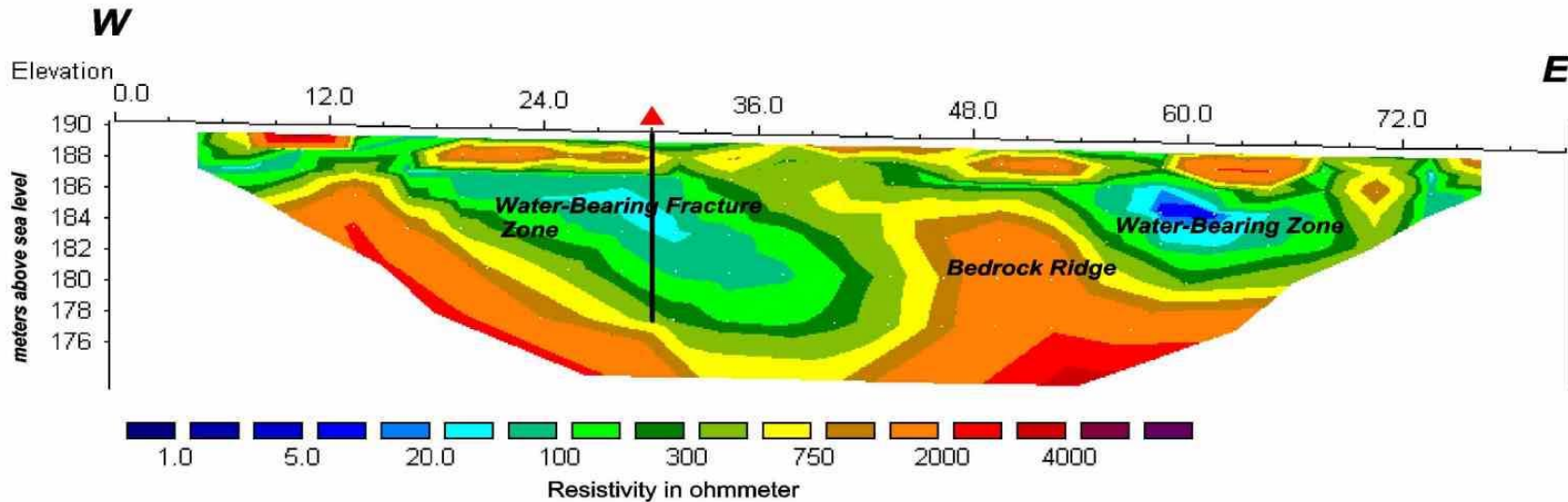


Delineation of Contaminated Fractures



Objective: To delineate hydrocarbon impacted water bearing fractures.
Results: Local wells in the area west of coordinate 45 had been impacted by hydrocarbon from an old gas station. Wells in the area east of coordinate 45 showed no impact of hydrocarbons. The resistivity survey confirms that a bedrock ridge exists and limits the spread of the impacted water towards the east. A bore hole drilled at coordinate 30 confirms the existence of a water bearing fracture zone dipping at 30 degrees towards the east.

Survey date: August 1998
Survey site: Charlottesville, Virginia
Instrument: Sting/Swift, 28 electrodes at 3 meter spacing
Processing: Inversion and terrain correction using the Res2Dinv software
Units: Meter and Ohmmeter

▲ Bore hole

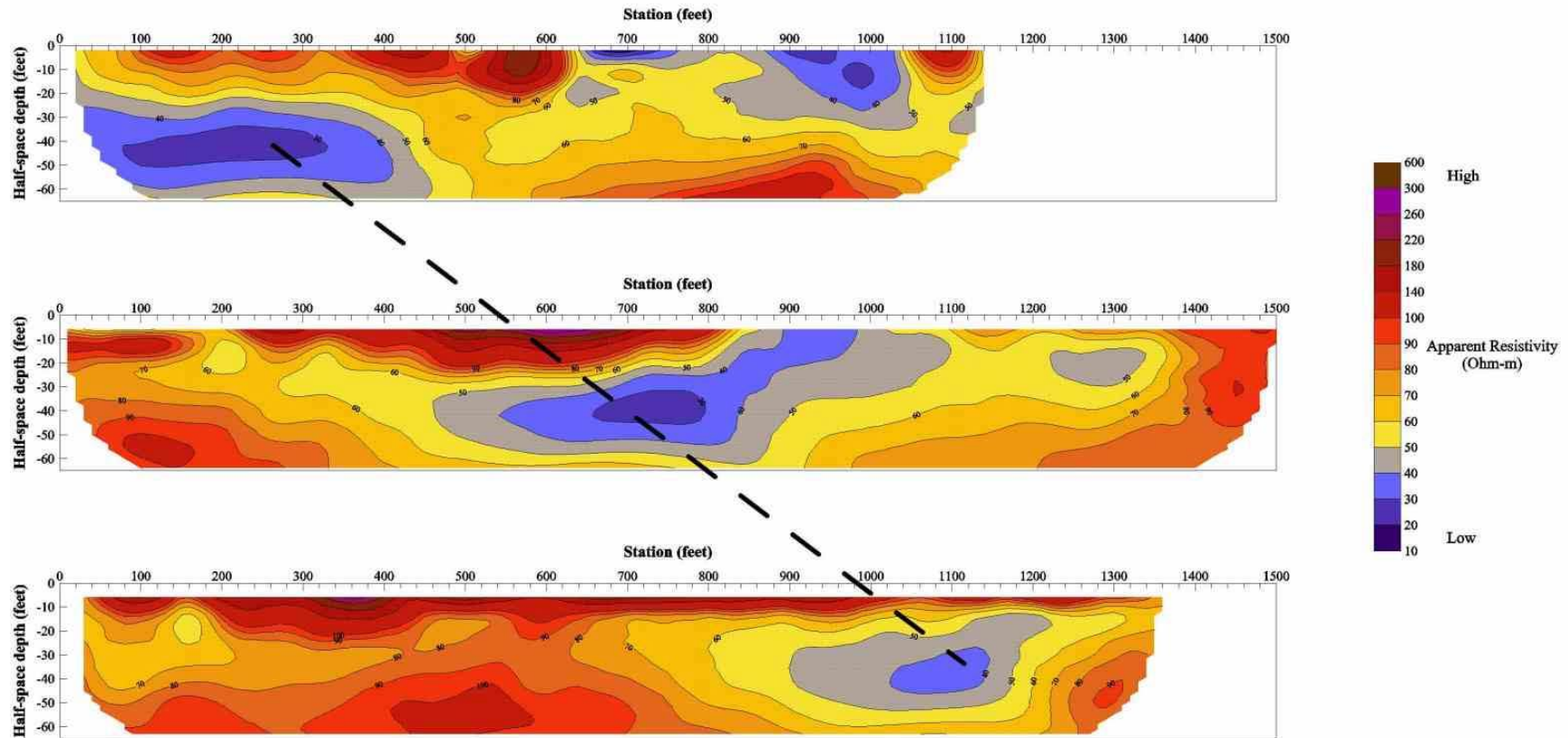
Courtesy of
Forrest Environmental Services, Inc.

Oak Hill, Virginia

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Plume Mapping Using High Resolution Resistivity



Objective: The objective was to map the extent of a pollution plume
 Survey date: 1996
 Instrument: Sting R1 using manual cables
 Method: Pole-pole array
 Spacing: 5 - 200 feet
 Units: Feet and Ohmmeter

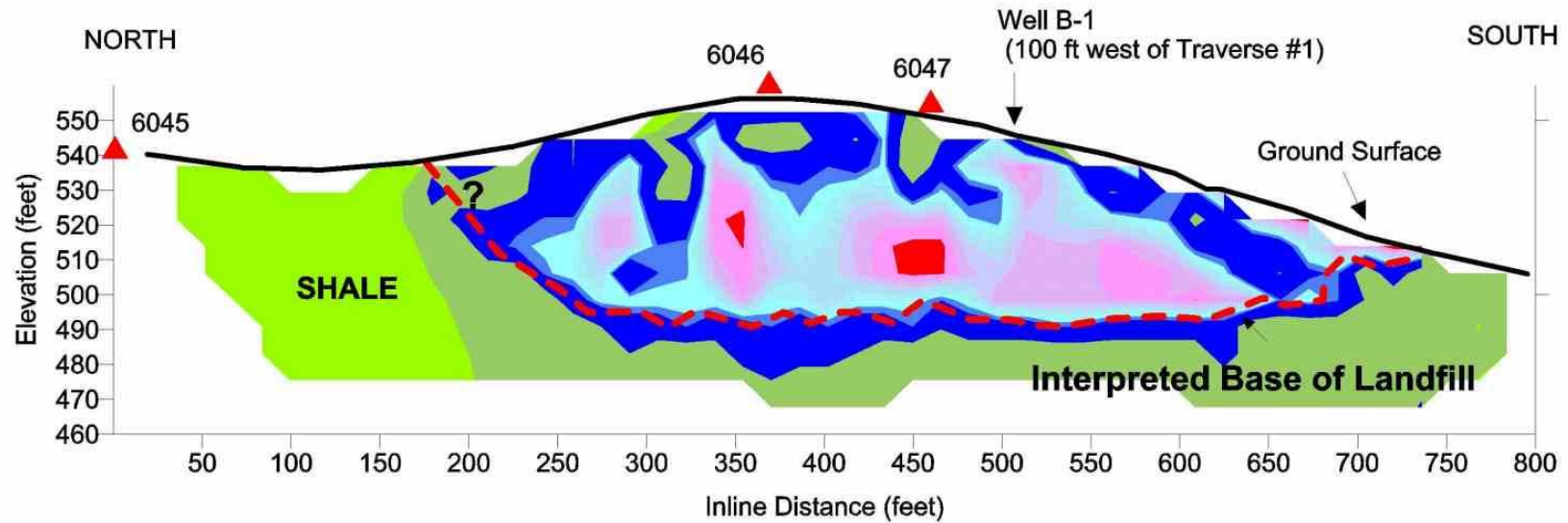
Vertical Exaggeration: 3:1
 0 50 100 150 200 250 (feet)

Courtesy of
hydroGEOPHYSICS, Inc.
 Tucson, Arizona

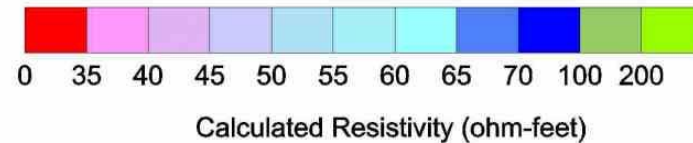
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Mapping the Limits of a Municipal Landfill



▲ Bore hole



Objective: To map the horizontal and vertical extent of a landfill
 Instrument: Sting/Swift automatic resistivity imaging system, with 56 electrodes at 6 meter spacing
 Method: Dipole-dipole electrode array
 Processing: Inversion and topographic correction using the Res2Dinv software
 Units: Feet and ohmfeet

Courtesy of
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 Middletown, Pennsylvania

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