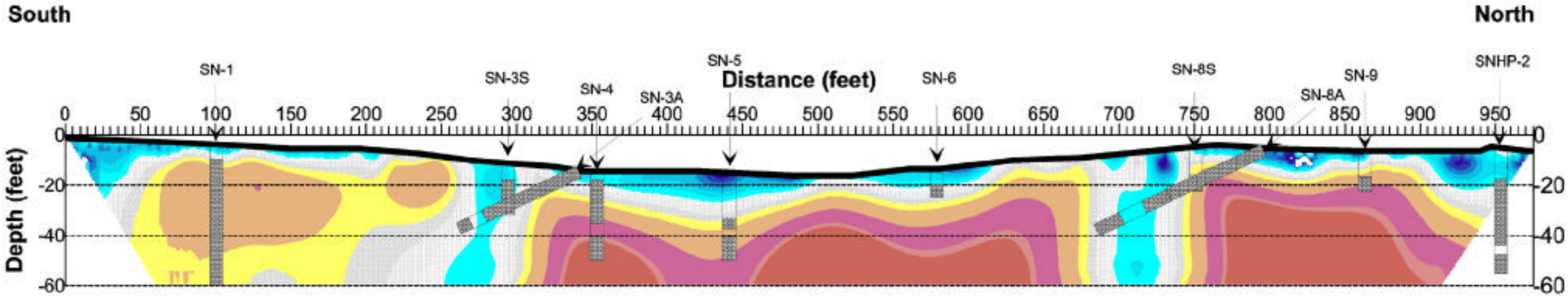
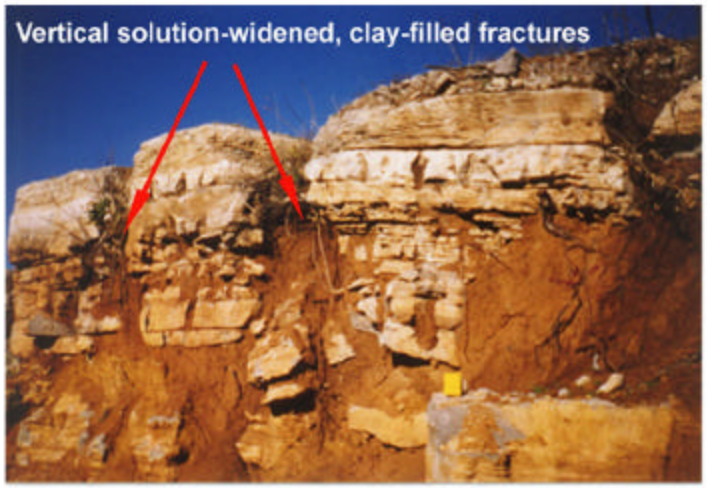
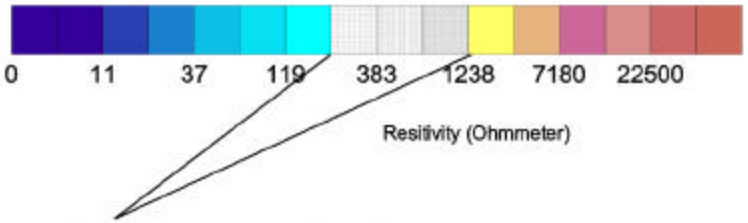
Karst Investigation



Electrical Resistivity Profile Showing Borehole Locations and the Presence of Bedrock

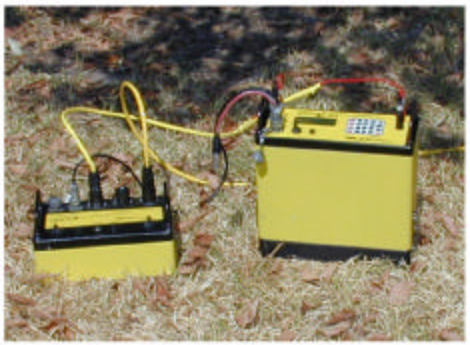


Vertical solution-widened clay-filled fractures, seen at a road cut in the area.



Transition zone from residual soil (blue), to limestone (yellow & red)

Objective: To map the bedrock and its vertical solution-widened fractures.
Survey date: June 2000.
Location: Nashville, Tennessee.
Survey site: The site is underlain by Carters Limestone of Ordovician age. Vertical solution-widened fractures are of the main concern for the site development.
Instrument: Sting/Swift, 56 electrodes at 5 ft spacing, with 9 roll-alongs (moving 14 electrodes each time).
Units: Feet and Ohmmeter.



The Sting/Swift system

Courtesy of

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