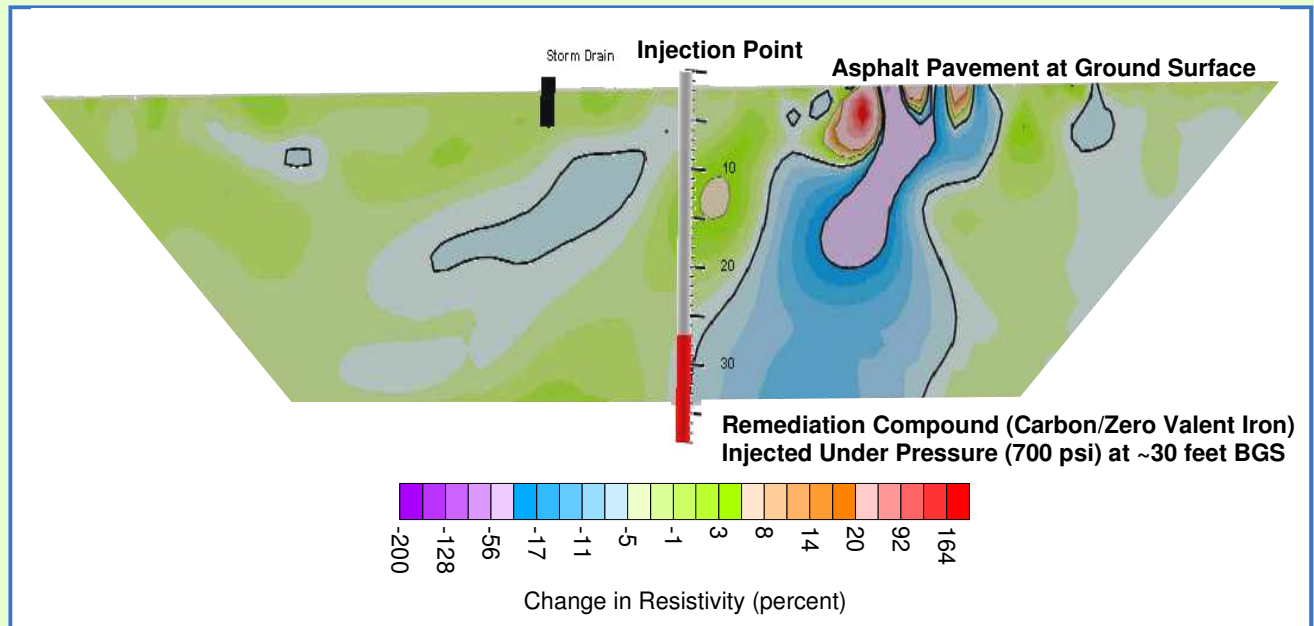




Tracking Injected Carbon and Zero Valent Iron GeoTrax Survey™ Case Study



GeoTrax Survey™ at Location of Remediation Compound Injection Remediating PCE Dissolved Phase Plume at Dry Cleaner Site

Bottom Line:

- Dry cleaner site has chlorinated solvents dissolved phase plume. Remediation compound (proprietary mix of carbon and zero valent iron) selected to remediate contamination in-situ
- GeoTrax Surveys™ performed before and after injection of remediation compound to track path of the injected material in the subsurface
- Approximately 50 lbs. of compound was mixed into a volume of 17 gallons of slurry and then was injected under pressure into the formation at a depth of approximately 30 feet below ground surface;
- Injection was pressurized up to 700 psi and then packer was released
- Aestus calculated the difference in subsurface resistivity between pre and post injection surveys and plotted changes in percent using color scheme shown in scale bar
- A significant change in resistivity was noted from injection interval (30' BGS) upwards towards the ground surface which was freshly paved with asphalt
- Data suggests that compound followed a fracture path towards ground surface