

# Direct Push Wells

Direct push technology is a cost-effective alternative to conventional drilling for rapid site characterization of unconsolidated formations.

## [Advanced Site Characterization Tools\(ASCT-1\)](#)

### **Section 3 (Direct Sensing)**

This section gives a firm overview with the rest of section 3 links to more specifics on different tools used with direct push to assist with site characterization and investigation.

## [Dense, Nonaqueous-Phase Liquids \(DNAPLs-3\)](#)

### **Section 3.3.2 (Direct Push Technology and Cone Penetrometer Testing)**

Good overview of DPT and CPT techniques and why they are useful in the beginnings of site characterization.

## [Dense, Nonaqueous-Phase Liquids \(DNAPLs-4\)](#)

### **Section 5.2 (Characterizing DNAPLs in Unconsolidated Materials), starting page 21**

Describes pros and cons of using direct push and discusses characterization in the vadose and saturated zones.

## [Petroleum Vapor Intrusion \(PVI-1\)](#)

### **Appendix G. Investigation Method and Analysis Toolbox, Section G.2.3, page 183 – first bullet**

Describes how to get the best results for groundwater vapor intrusion.

## [Petroleum Vapor Intrusion \(PVI-1\)](#)

### **Section G.2.7 and Table G-1**

Gives Groundwater sampling methods for vapor intrusion investigations.