

SUMMIT GEOENGINEERING EXPLORATION SERVICES

Summit Geoengineering Services (SGS) is a Maine based consulting firm offering in-house exploration services using an AMS 9500 VTR and AMS 9630 Pro-D PowerProbe® to include:

- Seismic Cone Penetration Testing (SCPT_u)
- Conventional Auger, Direct Push, and Rotary Wash Test Borings
- SPT Sampling using Auto-Drop Hammer
- Soil Liner Dual Tube Sampling
- Thin Wall “Shelby Tube” Sampling
- N-Rock Core Sampling
- Field Vane Shear Testing
- PVC Groundwater Monitoring Well Installations

The compact yet powerful and flexible combination of drill rigs provides easy of mobility for conducting quality geotechnical and environmental explorations. The AMS 9500 VTR is a remote-controlled rubber track drill rig capable of remote site access. The AMS 9630 Pro-D is upon a Ram 5500 4x4 truck. Test pits can be performed with a Kubota KX040 excavator. Additional tooling and drilling water can be supplied by a Ford F550 4x4 support dump truck.



The PowerProbe® are equipped with controlled push for SCPT_u penetration testing. The Vertek VTK cone system includes a real-time data logging system with 5 ton and 10 ton SCPT_u cones. SCPT_u cones are equipped with tri-axial seismic modules to provide both S and P shear wave velocity testing. SCPT_u is performed with a single or dual point anchor system pushed at a controlled speed of 2 cm/s with adjustable hydraulics and monitoring instrumentation capable of applying up to 17 tons of push force. Use of SCPT_u provides continuous subsurface profiling.

For more information, please visit us on the web at www.summitgeoeng.com