

SUMMIT GEOENGINEERING EXPLORATION SERVICES

Summit Geoengineering Services (SGS) is a Maine based consulting firm offering in-house subsurface exploration services using an AMS PowerProbe[®] drill rigs 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

Our fleet currently includes four drill rigs and an excavator. SGS has two AMS 9500 VTR rigs that are remote-controlled rubber track mounted ATVs capable of remote site access. These rigs are compact yet powerful with versatility for conducting quality geotechnical and environmental explorations, including CPT. Our new AMS 9580 VTR is a powerhouse rig suited for all our drilling methodologies with enhanced capability for deeper borings or wells and bedrock coring. The AMS 9630 Pro-D is a trailer mounted rig for drive up access sites and roadways. Test pits can be performed with a Kubota KX040 excavator.



The PowerProbe[®] rigs 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