Rock Testing

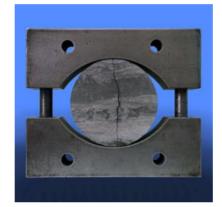
Independent Soil and Rock Geotechnical Laboratory Testing



GEOLABS

- Rock permeability
- Rock swelling pressure
- Swelling Strain Index
- Cherchar Abrasivity
- Slake Durability Index
- Point Load Test (PLT)
- Thermal Conductivity
- Specific Heat Capacity
- Electrical Resistivity/Conductivity

- Unconfined Compressive Strength (UCS)
- Young's Modulus, *E*, and Poisson's Ratio, *v*
- Stress-controlled or strain-controlled loading for compression tests
- · Hoek Triaxial up to 70 MPa confining pressure
- Hoek Triaxial can have E and v determinations
- Sophisticated preparation techniques to allow testing at any orientation in relation to foliation/drilling angle
- Rock Shear Box (Direct Shear)
- Indirect Tensile Strength by Brazilian Disc method









- Petrography analysis of rocks in thin section
- Thin section preparation
- Petrographic optical microscopy analyses
- · Grain shape, sphericity and angularity determination
- Schmidt Hammer
- Shore Scleroscope





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