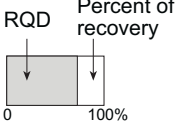














Explanation

	Symbols	Abbreviations
Lab test		
	Rock Quality Designation (RQD) and percent of recovery	Res = Residuum
	● 16,930 psi	Sap = Saprolite
	(8,238,000 psi)	Col = Colluvium
	Young's Modulus (psi)	PWR = Partially weathered rock
In situ test		MW = Moderately weathered
	Petrographic analysis	SL-F = Slightly weathered to fresh rock
	UTA-54-A 	BOH = Bottom of hole
	Resonant column and torsional shear test	
		Lithology
	3,200,000 psi	 Concrete
	4,300,000 psi 	 Silty sand (SM)
		 Sandy silt (ML)
	90,000 psi 	 Gravel
	Pressuremeter (Shear Modulus, G, psi)	 Diabase
		 Meta-granodiorite
		 Meta-quartz Diorite
		 Meta-diorite