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SUB SURFACE EXPLORATION - LOG OF BORE

Project FOUNDATION INVESTIGATION Location BOTANIC GARDENS - BRISBANE

Type & Size Bore 42" BLADE BIT & N.V. SIZE Co-ordinates G.S. RL 10.14

MC	U/W	Qu. (Triax Sheet)	N	Core Rec. %	RL 10.14	Depth	Log	Sample & Pressure	Classification & Physical Condition
					8.64	1'0"			CLAY - Dark brown, silty clay and fill of ash with fine grained sand present. CH.
					3.14	7'0"			Brown, soft, silty clay with fill of small gravel and ash and some fine grained sand present. CH.
					1.64	8'6"			As above, but more gravelly. CH.
						10			
						20			Dark gray, very soft, silty clay of high plasticity, with lenses of fine grained sand. CH.
						30			
					-26.11	36'5"			
					-29.36	39'6"			SANDY GRAVEL - Very clean, sub-angular to sub-rounded gravel from 1/2" size downwards. Gravel-sand mixture. GW-GM.
					-32.36	42'6"			CLAY - Gray, very soft, silty clay of high pl. with lenses of fine to med. gr. sand. CH.
						50			
					-40.86	51'0"			GRAVEL - Coarse, very clean, large gravel to small boulders. GP.
					-42.86	53'0"			
					-43.86	54'0"			CLAY - Gray, very soft, silty clay. CH.
						60			GRAVEL-CLAY - Small gravel & clay closely banded.
						70			CLAY - Gray, very soft clay of high plasticity with some sand seams and small gravel. CH.
						80			
					-72.36	82'6"			
					-77.36	87'0"			PHYLLITE - Very broken, with phyllite with sandy clay seams.
					-77.86	88'0"			As above, but firmer.
						90			
						100			PHYLLITE - Intensely weathered phyllite. Mud drilling showed cuttings to be mainly of sand and gravel sizes.
					-90.86	101'0"			
					-91.86				
					-92.61				
						100			
					-97.11	107'3"			PHYLLITE - Hd, dk. gr., phyllite with abundant fine, undulus crystalline quartz veins roughly parallel to plane of schistosity which dips 40° to 60°. Irregularly spaced joints horizontal parallel to schistosity. Slightly withd. above approx. 107' with hydrated iron oxide along veins and joints.
					-100.36	110'0"			