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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No BH03
SHEET 1 of 2
REFERENCE No 11837

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 2 - Left Hand Side COORDINATES 287089.2 E; 7024271.5 N
PROJECT No FG6169 SURFACE R.L. 315.43m PLUNGE _____ DATE STARTED 24/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 25/7/14 DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	315.43					Silty CLAY (TOPSOIL) Dark brown black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.	(CL-CI)						
0.40	315.03				A	Silty CLAY (ALLUVIAL) Dark grey, moist, stiff to very stiff. High plasticity. Trace organic matter.	(CH)					3,6,9 N=15	SPT
1					B							3,6,8 N=14	SPT
2													
2.50	312.93				C	Sandy CLAY (ALLUVIAL) Grey brown, moist, hard. Low plasticity. Fine to medium sand.	(CL)					5,10,21 N=31	SPT
3	312.23					Clayey SAND (ALLUVIAL) Grey brown, moist, mainly dense to very dense. Fine to medium grained sand.							
3.20					D							16,13,22 N=35	SPT
4					E	5.00m high content of clay with some coarse grained sand.	(SC)					10,22,27 N=49	SPT
5					F	6.00m fine to coarse grained sand with some fine gravel.						16,30/120mm	SPT
6													
7.00	308.43				G	Silty CLAY (ALLUVIAL) Dark brown, moist, hard. Low plasticity. Trace fine gravel.	(CL)					13,16,21 N=37	SPT
7.90	307.53				H	CLAYSTONE (J_Kk) XW: Recovered as dark grey, white, pale brown, moist, hard, silty clay. Low to medium plasticity.						12,14,30/70mm	SPT
8													
9					J		XW					23,30/130mm	SPT
10													

REMARKS J_Kk = Kumbarilla Beds

* For this specimen, the load cell used does not comply with the test method requirements.

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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	305.43												
11					K	CLAYSTONE (J_Kk) XW: (Cont'd) Becoming white cream colour.						23,30/120mm	SPT
12					L							29,30/110mm	SPT
13					M	Some fine HW gravel sized rock fragments. Medium to high plasticity clay	XW					27,30/120mm	SPT
14					N							29,70/90mm	SPT
14.30	301.13				P							29,30/100	SPT
15			(67)			CLAYSTONE (J_Kk) HW:White, yellow, fine grained, thickly bedded, extremely low to very low strength.	HW					UCS=262kPa	UCS
15.15	300.28												
16			100 (50)			CLAYSTONE (J_Kk) XW: Recovered as white, yellow, dry, hard, silty clay. Low plasticity.	XW HW XW					15.58m-15.68m: HW Claystone. Very low to low strength. Is(50) = 0.04MPa; * Is(50) = 0.03MPa; *	D (15.70m) A (15.75m)
16.25	299.18												
17			100 (0)			CLAYSTONE (J_Kk) HW:White, yellow, brown patches, fine grained, thickly bedded, very low to low strength.	HW XW					Is(50) = 0.02MPa; * Is(50) = 0.03MPa; *	D (16.52m) A (16.58m)
17.30	298.13		100			Borehole terminated at 17.3m.						17.00m-17.30m: XW Claystone. Extremely low strength Is(50) = 0.05MPa; * Is(50) = 0.02MPa; *	D (17.20m) A (17.24m)
18													
19													
20													

REMARKS J_Kk = Kumbarilla Beds

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