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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH06
SHEET 1 of 3
REFERENCE No 11840

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 4 - Right Hand Side COORDINATES 287078.9 E; 7024291.3 N
PROJECT No FG6169 SURFACE R.L. 315.38m PLUNGE _____ DATE STARTED 14/6/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 15/6/14 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	315.38												
0.40	314.98					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.	(CL-CI)						
1					A	Silty CLAY (ALLUVIAL) Dark grey, moist, soft to firm. High plasticity. Trace organic matter.	(CH)					1,1,3 N=4	SPT
2					B	2.00m: Becoming firm to stiff.						2,3,5 N=8	SPT
2.40	312.98												
3					C	Sandy CLAY (ALLUVIAL) Grey brown, moist, very stiff. Low plasticity. Fine to medium grained sand.	(CL)					5,10,11 N=21	SPT
3.80	311.58												
4					D	Clayey SAND (ALLUVIAL) Pale grey brown, moist, medium dense to mainly dense. Fine to medium grained sand. Trace gravel.						10,16,19 N=35	SPT
5					E							11,14,17 N=31	SPT
6					F		(SC)					5,11,22 N=33	SPT
7					G	Becoming dark brown.						10,12,14 N=26	SPT
7.80	307.58												
8					H	CLAYSTONE (J_Kk) XW: Recovered as pale grey, brown, moist, hard, silty clay. Low to medium plasticity. Some medium gravel.						11,22,30/90	SPT
9					J	9.00 - 9.50m brown, moist hard, medium plasticity.	XW					30/120mm	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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BOREHOLE No BH06
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PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 4 - Right Hand Side COORDINATES 287078.9 E; 7024291.3 N
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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	305.38												
11					K	CLAYSTONE (J_Kk) XW: (Cont'd) Colour change to pale grey cream. Low plasticity.						24,30/120mm	SPT
12					L							22,30/120mm	SPT
13					M		XW					30/140mm	SPT
14					N							30/140mm	SPT
14.40	300.98				P	Colour change to yellow grey.						30/100mm	SPT
15			(82)			CLAYSTONE (J_Kk) HW: Pale grey, pale yellow, cream, fine grained, thickly bedded, very low to low strength. Some inclusions of dark brown iron oxide precipitate throughout.						UCS=760kPa	UCS
16			100 (90)			Defects: - Js; 70° (1/m); Defects are generally irregular, rough, weathered and clay infilled.	HW					Is(50) = 0.06MPa; * Is(50) = 0.04MPa; *	D (16.34m) A (16.38m)
17			100 (23)									Is(50) = 0.06MPa; * Is(50) = 0.02MPa; *	D (17.20m) A (17.24m)
18						CLAYSTONE (J_Kk) XW: Recovered as grey white with dark brown patches, dry, hard, silty clay. Low plasticity. Dark brown iron oxide precipitae throughout.	XW						
19			100 (0)									Is(50) = 0.02MPa; * Is(50) = 0.02MPa; *	D (19.16m) A (19.20m)
20	297.83											19.80m-20.00m: Is(50) = 0.11MPa; * HW Sandstone Is(50) = 0.07MPa; *	D (19.80m) A (19.84m)

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20	295.38												
20.20	295.18		100					XW				lense, fine grained, low strength.	
21						Borehole terminated at 20.2m.							
22													
23													
24													
25													
26													
27													
28													
29													
30													

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