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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH13
SHEET 1 of 2
REFERENCE No 11847

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 12 - Left Hand Side COORDINATES 287007.8 E; 7024329.0 N
PROJECT No FG6169 SURFACE R.L. 315.35m PLUNGE _____ DATE STARTED 30/6/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 1/7/14 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	315.35												
0.30	315.05					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.	(CL)						
1					A	Silty CLAY (ALLUVIAL) Dark grey, moist, very stiff. High plasticity. Trace organic matter.	(CH)					3,6,9 N=15	SPT
2					B							4,8,10 N=18	SPT
2.50	312.85				C	Sandy CLAY (ALLUVIAL) Grey, brown, moist, very stiff. Low plasticity.	(CL)					7,9,10 N=19	SPT
3					D	Clayey SAND (ALLUVIAL) Grey brown, moist, medium dense to mainly dense. Fine to medium grained sand.	(SC)					13,17,22 N=39	SPT
3.70	311.65				E							12,17,22 N=39	SPT
4					F	6.00m: Becoming fine to coare grained sand with some fine gravel.						9,16,21 N=37	SPT
5					G							2,6,22 N=28	SPT
6					H	Silty Sandy CLAY (ALLUVIAL) Dark brown, moist, very stiff. Low plasticity.	(CL)					10,12,14 N=26	SPT
7					J	CLAYSTONE (J_Kk) XW: Recovered as mainly white, pale brown, moist to dry, hard, silty clay. Low plasticity.	XW					12,21,30/140mm	SPT
7.60	307.75												
8													
8.70	306.65												
9													
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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10	305.35												
11					K	CLAYSTONE (J_Kk) XW: (Cont'd) Some fine to medium HW rock fragments.						14,24,30/130mm	SPT
12					L							10,14,29 N=43	SPT
13					M							13,19,27 N=46	SPT
14					N	13.00m: Some HW rock fragments						26,30/70mm	SPT
14.65					P	14.00m: Colour change to white.						30/140mm	SPT
15	300.70		(59)			CLAYSTONE (J_Kk) HW: White, grey, pale brown, fine grained, medium bedded, very low to low strength. Some patches of iron oxide precipitate throughout. Defects: - Js; 15°-25° (1/m); Joints are irregular, rough, weathered with clay infill.		HW				15.30m-15.70m: XW Claystone. Extremely low strength.	
16	299.15		100 (29)					XW					
17			100			CLAYSTONE (J_Kk) XW: Recovered as white, grey, pink, dry, hard, silty clay. Low plasticity. Some patches of iron oxide precipitate.		HW				UCS=268kPa	UCS
18			100					XW				Is(50) = 0.08MPa; * Is(50) = 0.08MPa; *	D (17.55m) A (17.59m)
19			100									Is(50) = 0.08MPa; * Is(50) = 0.04MPa; *	D (19.29m) A (19.33m)
20						Borehole terminated at 19.7m.							

REMARKS J_Kk = Kumbarella Beds

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

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