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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH07
SHEET 1 of 2
REFERENCE No 11841

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 6 - Left Hand Side COORDINATES 287056.7 E; 7024293.8 N
PROJECT No FG6169 SURFACE R.L. 315.33m PLUNGE _____ DATE STARTED 21/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 22/7/14 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	315.33												
0.30	315.03					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.	(CI-CH)						
1					A	Silty CLAY (ALLUVIAL) Dark grey, moist, stiff to very stiff. High plasticity. Trace organic matter.	(CH)					6,11,12 N=23	SPT
2					B							4,6,7 N=13	SPT
2.90	312.43					Sandy CLAY (ALLUVIAL) Dark grey brown, moist, hard. Low plasticity. Fine to medium grained sand.	(CL)					6,17,15 N=32	SPT
3					C							10,17,22 N=39	SPT
4					D							12,15,18 N=33	SPT
4.80	310.53					Clayey SAND (ALLUVIAL) Brown, moist, medium dense to dense. Fine to coarse grained sand. Some fine gravel.	(SC)					7,9,15 N=24	SPT
5					E							5,15,19 N=34	SPT
6					F							9,20,20 N=40	SPT
7					G							15,27,26 N=53	SPT
7.90	307.43					CLAYSTONE (J_Kk) XW: Recovered as pale grey, white, with brown patches, moist, hard, silty clay. Mainly low to medium plasticity.	XW						
8					H								
9					J								
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	305.33													
11					K	CLAYSTONE (J_Kk) XW: (Cont'd) Trace fine HW gravel sized rock fragments.							30/130mm	SPT
12					L	11.0m becoming medium to high plasticity.							22,30/120	SPT
13					M								30/130	SPT
14					N	13.00m some fine HW gravel sized rock fragments. 13.20m yellow white with brown iron oxide precipitate, dry, hard. Low plasticity with some zones of HW Claystone.							30/90	SPT
15					(60)								13.20m-13.60m: HW Claystone. Very low to low strength.	
16					100 (14)								13.93m-14.05m: HW Claystone. Very low to low strength.	
17					100 (13)								Is(50) = 0.12MPa; * Is(50) = 0.06MPa; *	D (14.00m) A (14.45m)
18					100 (90)	CLAYSTONE (J_Kk) HW: Yellow white, fine grained, thickly bedded, very low to low strength.							UCS=362kPa Is(50) = 0.05MPa; * Is(50) = 0.03MPa; *	UCS D (16.30m) A (16.35m)
19					100 (0)	CLAYSTONE (J_Kk) XW: Recovered as yellow, white, with brown patches, dry, hard, silty clay. Low plasticity. Some zones of HW Claystone. Some brown patches of iron oxide precipitate.							18.15m-18.35m: HW Claystone. Very low to low strength.	
20					100 (44)								18.70m-18.90m: HW Claystone. Very low to low strength.	
21					100								Is(50) = 0.07MPa; * Is(50) = 0.08MPa; *	D (18.95m) A (18.89m)
22						Borehole terminated at 18.9m.								

REMARKS J_Kk = Kumbarella Beds

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

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