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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH14
SHEET 1 of 3
REFERENCE No 11848

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 12 - Right Hand Side COORDINATES 287013.8 E; 7024337.2 N
PROJECT No FG6169 SURFACE R.L. 315.34m PLUNGE _____ DATE STARTED 12/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 13/7/14 DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	WEATHERING											GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS				
								USC	EH	VH	H	M	J	VL	EL	EC	VC	WC				WV	WW	EW	
0	315.34					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.	(CL)																		
0.20	315.14				A	Silty CLAY (ALLUVIAL) Dark grey, moist, firm to stiff. High plasticity.	(CH)																		1,2,3 N=5
1					B																				2,4,5 N=9
2																									
2.70	312.64				C	Sandy CLAY (ALLUVIAL) Brown, grey, moist, very stiff. Low plasticity. Some fine gravel.	(CL)																		3,8,10 N=18
3																									
3.70	311.64				D	Clayey SAND (ALLUVIAL) Brown, grey, moist, dense. Fine to coarse grained sand. Some fine gravel.																			11,17,22 N=39
4																									
5					E		(SC)																		12,19,18 N=37
6																									
6.90	308.44				F																				12,16,22 N=38
7																									
8					G	Silty CLAY (ALLUVIAL) Dark brown, moist, very stiff. Low plasticity.																			5,7,12 N=19
8.70	306.64				H		(CL)																		6,9,13 N=22
9																									
9					J	CLAYSTONE (J_Kk) XW: Recovered as pale grey brown, moist, hard, silty clay. Low plasticity. Some HW rock fragments. 9.00m: Dark brown iron oxide precipitate.	XW																		14,20,30/130mm
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 BH14
 SHEET 2 of 3
 REFERENCE No 11848

PROJECT Jingi Jingi Creek Bridgesite Investigation
 LOCATION Pier 12 - Right Hand Side COORDINATES 287013.8 E; 7024337.2 N
 PROJECT No FG6169 SURFACE R.L. 315.34m PLUNGE DATE STARTED 12/7/14 GRID DATUM MGA 94 Zone 56
 JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 13/7/14 DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING											DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
									EH	VH	H	M	J	VL	EL	EC	VC	C	W					VW	WW
10	305.34				K	CLAYSTONE (J_Kk) XW: (Cont'd) Becoming white to pale grey.																		14,23,30/100mm	SPT
11					L																			9,16,23 N=39	SPT
12					M																			11,17,23 N=40	SPT
13					N		XW																	19,30/80mm	SPT
14					P	14.00m: Becoming pale grey brown.																		30/100mm	SPT
15					Q																			30/110mm	SPT
16			(30)			15.20m: Becoming white with dark brown pink patches, dry, hard. Some HW claystone zones with very low to low strength. Thin lenses of XW sandstone. Some patches of iron oxide precipitate.																		15.82m-16.28m: HW Claystone. Very low strength.	
17			100 (16)																					16.70m-16.95m: HW Claystone. Very low strength.	
18			100 (10)				XW																	UCS=2.31MPa	UCS
19																								18.54m-18.68m: HW Claystone. Very low strength.	
20			100 (0)				XW																		

REMARKS J_Kk = Kumbarilla Beds
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BOREHOLE LOG**

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BOREHOLE No BH14
SHEET 3 of 3
REFERENCE No 11848

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 12 - Right Hand Side COORDINATES 287013.8 E; 7024337.2 N
PROJECT No FG6169 SURFACE R.L. 315.34m PLUNGE _____ DATE STARTED 12/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 13/7/14 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
20	295.34					CLAYSTONE (J_Kk) XW: (Cont'd)							Is(50) = 0.07MPa; * Is(50) = 0.03MPa; *	D A (20.42m) (20.46m)
21	294.14		100			Borehole terminated at 21.2m.							Is(50) = 0.06MPa; * Is(50) = 0.04MPa; *	D A (21.15m) (21.20m)
22														
23														
24														
25														
26														
27														
28														
29														
30														

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