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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH01

SHEET 1 of 2

REFERENCE No 11835

PROJECT Jingi Jingi Creek Bridgesite Investigation

LOCATION Abutment A - Left Hand Side COORDINATES 287106.5 E; 7024259.4 N

PROJECT No FG6169 SURFACE R.L. 315.42m PLUNGE DATE STARTED 25/7/14 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	315.42												
0.30	315.12					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.	(CL-CI)						
1					A	Sandy CLAY (ALLUVIAL) Dark grey, moist stiff to very stiff. High plasticity.	(CH)					5,5,5 N=10; LL = 62; PI = 40; LS = 17.8; %Pass 2.36mm = 100 %Pass 0.075mm = 81	SPT
2					B							4,7,11 N=18; LL = 58; PI = 34; LS = 17.2; %Pass 2.36mm = 99 %Pass 0.075mm = 74	SPT
2.45	312.97					Sandy CLAY (ALLUVIAL) Grey brown, moist, hard. Low plasticity.	(CL)					8,19,28 N=47	SPT
3					C							16,26,30/140mm	SPT
4					D	Clayey SAND (ALLUVIAL) Grey brown, moist, very dense. Fine to medium grained sand.	(SC)					19,29,30/140mm	SPT
4.30	311.12											15,26,30/140mm	SPT
5					E	Sandy Gravelly CLAY (ALLUVIAL) Grey brown, moist, hard. Low plasticity. Fine gravel.	(CL)					11,23,30/100mm	SPT
5.40	310.02											11,20,28 N=48	SPT
6					F							10,23,30/120	SPT
6.90	308.52					CLAYSTONE (J_Kk) XW: Recovered as white mottled grey brown, moist, hard, silty clay. Low to medium plasticity. Occasional HW rock fragments.	XW						
7					G								
8					H	8.00m colour change to creamy white.							
9					J								
10													

REMARKS J_Kk = Kumbarilla Beds

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TMR GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY JINGI JINGI BH LOGS GPJ <<DrawingFile>> Datagel CPT Tool gINT Add-In 18/12/2014 13:31

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH01
SHEET 2 of 2
REFERENCE No 11835

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10	305.42				K	CLAYSTONE (J_Kk) XW: (Cont'd)						17,26,30/120mm	SPT
11					L	11.00m medium to high plasticity						24,30/130mm	SPT
12					M	12.00m some rock fragments						11,19,30/130mm	SPT
13					N							19,30/110mm	SPT
14					P	14.00m colour change to yellow, white brown. Low plasticity						29/140mm	SPT
14.85	300.57		(56)										
15						CLAYSTONE (J_Kk) HW: White, yellow with dark brown patches, fine grained, thickly bedded, extremely low to very low strength. With minor iron oxide precipitate.		HW				15.55m-15.65m: XW Claystone. Extremely low strength.	UCS=255kPa
16			100 (66)					XW				16.03m-16.20m: XW Claystone. Extremely low strength.	UCS
17	298.22		100					HW				16.60m-16.80m: XW Claystone. Extremely low strength.	
17.20						Borehole terminated at 17.2m.							
18													
19													
20													

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