ENGINEERING BOREHOLE LOG

Queensland Government

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 (EH VH H M L VL EL)	DEFECT SPACING (mm) (EC VC C M W VW EW)	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.									
3				C			(CL)					8,19,28 N=47		SPT
4.30	311.12			D								16,26,30/140mm		SPT
					Clayey SAND (ALLUVIAL) Grey brown, moist, very dense. Fine to medium grained sand.		(SC)							
5.40	310.02			E								19,29,30/140mm		SPT
					Sandy Gravelly CLAY (ALLUVIAL) Grey brown, moist, hard. Low plasticity. Fine gravel.									
6				F			(CL)					15,26,30/140mm		SPT
6.90	308.52													
7				G	**CLAYSTONE (J_Kk)** **XW:** Recovered as white mottled grey brown, moist, hard, silty clay. Low to medium plasticity. Occasional HW rock fragments.							11,23,30/100mm		SPT
8				H	8.00m colour change to creamy white.		XW					11,20,28 N=48		SPT
9				J								10,23,30/120		SPT
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>> Datgel CPT Tool gINt Add-In 18/12/2014 13:31

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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		XW				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			100		**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 XW HW				15.55m-15.65m: XW Claystone. Extremely low strength. UCS=255kPa	UCS
16			(66)				XW HW XW				16.03m-16.20m: XW Claystone. Extremely low strength.	
17							HW XW HW				16.60m-16.80m: XW Claystone. Extremely low strength.	
17.20	298.22		100		Borehole terminated at 17.2m. .							
18												
19												
20												

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