ENGINEERING BOREHOLE LOG

Queensland Government

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	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	315.34													
0.20	315.14				**Silty CLAY (TOPSOIL)** Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.		(CL)							
					Silty CLAY (ALLUVIAL) Dark grey, moist, firm to stiff. High plasticity.									
1				A			(CH)					1,2,3 N=5		SPT
2				B								2,4,5 N=9		SPT
2.70	312.64													
3				C	**Sandy CLAY (ALLUVIAL)** Brown, grey, moist, very stiff. Low plasticity. Some fine gravel.		(CL)					3,8,10 N=18		SPT
3.70	311.64													
4				D	**Clayey SAND (ALLUVIAL)** Brown, grey, moist, dense. Fine to coarse grained sand. Some fine gravel.							11,17,22 N=39		SPT
5				E			(SC)					12,19,18 N=37		SPT
6				F								12,16,22 N=38		SPT
6.90	308.44													
7				G	**Silty CLAY (ALLUVIAL)** Dark brown, moist, very stiff. Low plasticity.							5,7,12 N=19		SPT
8				H			(CL)					6,9,13 N=22		SPT
8.70	306.64													
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		SPT
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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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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BOREHOLE No **BH14**
SHEET 2 of 3
REFERENCE No **11848**

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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 (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
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
			(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.		HW				15.82m-16.28m: HW Claystone. Very low strength.	
16							XW				Is(50) = 0.02MPa; * Is(50) = 0.01MPa; *	D (16.30m) A (16.34m)
			100 (16)				HW				16.70m-16.95m: HW Claystone. Very low strength.	
17							XW				UCS=2.31MPa	UCS
18			100 (10)									
19							HW				18.54m-18.68m: HW Claystone. Very low strength.	
							XW					
20			100 (0)									

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20	295.34				**CLAYSTONE (J_Kk)** **XW:** (Cont'd)		XW					Is(50) = 0.07MPa; * Is(50) = 0.03MPa; *	D (20.42m) A (20.46m)	
21 21.20	294.14		100		Borehole terminated at 21.2m. .							Is(50) = 0.06MPa; * Is(50) = 0.04MPa; *	D (21.15m) A (21.20m)	
22														
23														
24														
25														
26														
27														
28														
29														
30														

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