ENGINEERING BOREHOLE LOG

Queensland Government

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

BOREHOLE No **BH11**
SHEET 1 of 3
REFERENCE No **11845**

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 10 - Left Hand Side COORDINATES 287024.5 E; 7024317.1 N
PROJECT No FG6169 SURFACE R.L. 315.23m PLUNGE DATE STARTED 29/6/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 30/6/14 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	315.23													
0.40	314.83				**Silty CLAY (TOPSOIL)** Dark brown, black, moist, soft. Low plasticity. Some sand, gravel and organic matter.		(CI)							
1				A	**Silty CLAY (ALLUVIAL)** Dark grey, moist, stiff to very stiff. High plasticity.		(CH)					3,5,8 N=13		SPT
2				B								7,12,15 N=27		SPT
2.50	312.73				**Clayey SAND (ALLUVIAL)** Grey, brown, moist, dense. Fine to medium grained sand. Trace gravel.									
3				C	3.00m high content of clay.							11,12,20 N=32		SPT
4				D			(SC)					15,20,26 N=46		SPT
5				E								10,15,16 N=31		SPT
5.80	309.43													
6				F	**Silty CLAY (ALLUVIAL)** Dark brown, moist, very stiff. Low plasticity.		(CL)					5,8,12 N=20		SPT
6.90	308.33													
7				G	**Clayey SAND (ALLUVIAL)** Brown, moist, dense. Fine to medium grained sand.		(SC)					14,21,26 N=47		SPT
7.80	307.43													
8				H	**CLAYSTONE (J_Kk)** **XW:** Recovered as grey, pale brown, moist, hard, silty clay. Low to medium plasticity.							19,18,29 N=47		SPT
9				J			XW					10,25,30/120mm		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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10	305.23				**CLAYSTONE (J_Kk)** **XW: (Cont'd)** Colour change to white, pale grey. Mainly low to medium plasticity.						9,16,23 N=39	SPT
11				L							13,19,29 N=48	SPT
12				M			XW				16,30/130mm	SPT
13				N							30/140mm	SPT
14					14.20m: Becoming white, pale yellow, pale pink, dry, hard, silty sandy clay. Low plasticity. Some HW Claystone/Sandstone zones. Some HW rock fragments.							
15			100				HW				15.10m-15.20m: HW Sandstone/Claystone. Very low to low strength.	
16												
17			93 (20)				XW				UCS=345kPa	UCS
18							HW				18.10m-18.40m: HW Sandstone/Claystone. Very low to low strength.	
19			100				XW				Is(50) = 0.10MPa; * Is(50) = 0.06MPa; *	D (18.64m) A (18.72m)
20												

REMARKS J_Kk = Kumbarilla Beds

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20	295.23													
20.20	295.03		100		**CLAYSTONE (J_Kk)** **XW: (Cont'd)** Borehole terminated at 20.2m. .		XW						Is(50) = 0.06MPa; * Is(50) = 0.03MPa; *	D (20.10m) A (20.15m)	

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