ENGINEERING BOREHOLE LOG

Queensland Government

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

BOREHOLE No **BH08**
SHEET 1 of 2
REFERENCE No **11842**

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 6 - Right Hand Side
COORDINATES 287062.8 E; 7024302.6 N
PROJECT No FG6169 SURFACE R.L. 315.39m PLUNGE DATE STARTED 13/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 14/7/14 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	315.39													
0.40	314.99				**Silty CLAY (TOPSOIL)** Dark grey black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.		(CI-CH)							
1				A	**Silty CLAY (ALLUVIAL)** Dark grey, moist, firm to stiff. High plasticity. Trace organic matter.		(CH)					1,3,3 N=6		SPT
2				B								2,3,6 N=9		SPT
3.00	312.39													
3				C	**Sandy CLAY (ALLUVIAL)** Grey brown, moist, very stiff to hard. Low plasticity. Fine to medium grained sand.		(CL)					4,8,12 N=20		SPT
4				D	4.00m: High content of fine to medium sand.							12,16,26 N=42		SPT
4.80	310.59													
5				E	**Clayey SAND (ALLUVIAL)** Grey brown, moist, mainly dense to very dense. Fine to coarse grained sand. Some gravel.		(SC)					20,30/140mm		SPT
6				F								10,16,20 N=36		SPT
7				G								11,20,17 N=37		SPT
7.50	307.89													
8				H	**Sandy Gravelly CLAY** Dark brown, red, moist, hard. Low plasticity. Fine to medium gravel.		(CL)					8,19,19 N=38		SPT
8.90	306.49													
9				J	**CLAYSTONE (J_Kk)** **XW:** Recovered as pale grey, moist, hard, silty clay. Low plasticity.		XW					14,24,30/100mm		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	305.39			K	**CLAYSTONE (J_Kk)** **XW: (Cont'd)**						24,30/140mm	SPT
11				L	Becoming pale grey cream with some gravel sized HW rock fragments.		XW				26,30/125mm	SPT
12				M							30/140mm	SPT
13				N							30/120mm	SPT
13.20	302.19		(100)		**CLAYSTONE (J_Kk)** **HW:** Pale grey, yellow, white, with dark brown patches, fine grained, thickly bedded, very low to low strength. Some zones of XW rock. Dark brown patches of iron oxide precipitate.		HW				UCS=918kPa	UCS
14			100 (83)								Is(50) = 0.13MPa; * D (14.14m) Is(50) = 0.07MPa; * A (14.18m)	
15			100 (100)				XW					
16							HW				Is(50) = 0.11MPa; * D (16.16m) Is(50) = 0.05MPa; * A (16.20m)	
17			100 (43)				XW				17.15m-17.40m: XW Claystone. Extremely low strength.	
18							HW				Is(50) = 0.02MPa; * A (17.70m) Is(50) = 0.04MPa; * D (17.75m)	
19			100 (66)				XW				18.05m-18.60m: XW Claystone. Extremely low strength.	
19.20	296.19		100				HW				19.10m-19.20m: XW Claystone. Extremely low strength. Is(50) = 0.06MPa; * D (19.16m) Is(50) = 0.04MPa; * A (19.20m)	
20					Borehole terminated at 19.2m. .		XW					

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