ENGINEERING BOREHOLE LOG

Queensland Government

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

BOREHOLE No **BH03**
SHEET 1 of 2
REFERENCE No **11837**

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 2 - Left Hand Side — COORDINATES 287089.2 E; 7024271.5 N
PROJECT No FG6169 — SURFACE R.L. 315.43m — PLUNGE — DATE STARTED 24/7/14 — 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	315.43													
0.40	315.03				**Silty CLAY (TOPSOIL)** Dark brown black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.		(CL-CI)							
1				A	**Silty CLAY (ALLUVIAL)** Dark grey, moist, stiff to very stiff. High plasticity. Trace organic matter.		(CH)					3,6,9 N=15		SPT
2				B								3,6,8 N=14		SPT
2.50	312.93													
3					**Sandy CLAY (ALLUVIAL)** Grey brown, moist, hard. Low plasticity. Fine to medium sand.		(CL)							
3.20	312.23			C								5,10,21 N=31		SPT
4				D	**Clayey SAND (ALLUVIAL)** Grey brown, moist, mainly dense to very dense. Fine to medium grained sand.							16,13,22 N=35		SPT
5				E	5.00m high content of clay with some coarse grained sand.		(SC)					10,22,27 N=49		SPT
6				F	6.00m fine to coarse grained sand with some fine gravel.							16,30/120mm		SPT
7.00	308.43													
7				G	**Silty CLAY (ALLUVIAL)** Dark brown, moist, hard. Low plasticity. Trace fine gravel.		(CL)					13,16,21 N=37		SPT
7.90	307.53													
8				H	**CLAYSTONE (J_Kk)** **XW:** Recovered as dark grey, white, pale brown, moist, hard, silty clay. Low to medium plasticity.							12,14,30/70mm		SPT
9				J			XW					23,30/130mm		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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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	305.43			K	**CLAYSTONE (J_Kk)** **XW: (Cont'd)** Becoming white cream colour.							23,30/120mm		SPT
11				L								29,30/110mm		SPT
12				M	Some fine HW gravel sized rock fragments. Medium to high plasticity clay		XW					27,30/120mm		SPT
13				N								29,70/90mm		SPT
14				P								29,30/100		SPT
14.30	301.13		(67)		**CLAYSTONE (J_Kk)** **HW:**White, yellow, fine grained, thickly bedded, extremely low to very low strength.		HW					UCS=262kPa		UCS
15.15	300.28		100 (50)		**CLAYSTONE (J_Kk)** **XW:** Recovered as white, yellow, dry, hard, silty clay. Low plasticity.		XW HW XW					15.58m-15.68m: HW Claystone. Very low to low strength. Is(50) = 0.04MPa; * Is(50) = 0.03MPa; *		D (15.70m) A (15.75m)
16.25	299.18				**CLAYSTONE (J_Kk)** **HW:**White, yellow, brown patches, fine grained, thickly bedded, very low to low strength.		HW					Is(50) = 0.02MPa; * Is(50) = 0.03MPa; *		D (16.52m) A (16.56m)
17.30	298.13		100 (0) 100				XW					17.00m-17.30m: XW Claystone. Extremely low strength. Is(50) = 0.05MPa; * Is(50) = 0.02MPa; *		D (17.20m) A (17.24m)
					Borehole terminated at 17.3m. .									
18														
19														
20														

REMARKS J_Kk = Kumbarilla Beds

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