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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH10
SHEET 1 of 3
REFERENCE No 11844

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 8 - Right Hand Side COORDINATES 287047.0 E; 7024313.6 N
PROJECT No FG6169 SURFACE R.L. 315.37m PLUNGE _____ DATE STARTED 24/6/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 25/6/14 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	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	315.37												
0.30	315.07					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.	(CL)						
1					A1	Silty CLAY (ALLUVIAL) Dark grey, moist, firm to stiff. High plasticity. Trace organic matter.	(CH)					PP(Su)kPA=170	U50
2					A							2,3,4 N=7	SPT
2.50	312.87					Clayey SAND (ALLUVIAL) Grey brown, moist, medium dense to dense. Fine to medium grained sand.	(SC)					9,13,14 N=27	SPT
3					B							15,26,23 N=49	SPT
4					C							12,17,18 N=35	SPT
5					D							5,9,12 N=21	SPT
5.50	309.87					Silty CLAY (ALLUVIAL) Dark brown, moist, very stiff. Low to medium plasticity.	(CL-CI)					12,16,28 N=44	SPT
6					E							7,10,15 N=25	SPT
6.50	308.87					Clayey SAND (ALLUVIAL) Brown, moist, dense. Fine to medium grained sand.	(SC)					14,29,30/90mm	SPT
7					F								
7.50	307.87					Silty CLAY (ALLUVIAL) Dark brown, moist, very stiff. Medium plasticity.	(CI)						
8					G								
8.80	306.57					CLAYSTONE (J_Kk) XW: Recovered as grey, brown, yellow, moist, hard, silty clay. Low plasticity.	XW						
9					H								
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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BOREHOLE No BH10
SHEET 2 of 3
REFERENCE No 11844

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 8 - Right Hand Side COORDINATES 287047.0 E; 7024313.6 N
PROJECT No FG6169 SURFACE R.L. 315.37m PLUNGE _____ DATE STARTED 24/6/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 25/6/14 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	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	305.37				J	CLAYSTONE (J_Kk) XW: (Cont'd) Colour change to white, pale grey. Mainly low to medium plasticity.							14,21,30/140mm	SPT
11					K								13,18,21 N=39	SPT
12					L		XW						25,30/100mm	SPT
13					M								30/140mm	SPT
14	301.07				N								14,30/90mm	SPT
14.30			(84)			CLAYSTONE (J_Kk) HW: Yellow, white, fine grained, medium bedded, extremely low strength. Some sandstone lenses.		HW					UCS=126kPa	UCS
15	300.07		100	(10)		CLAYSTONE (J_Kk) XW: Recovered as white, cream, dry, hard, silty clay. Low plasticity. Thin dark brown zones of iron oxide precipitate.		XW					Is(50) = 0.07MPa; * Is(50) = 0.03MPa; *	D (16.30m) A (16.35m)
16	298.72		100	(90)		CLAYSTONE (J_Kk) HW: Mainly dark brown, yellow, white, fine grained, medium bedded, low strength. Zones of iron oxide precipitate.		HW					Is(50) = 0.14MPa; * Is(50) = 0.08MPa; *	D (17.60m) A (17.64m)
17	297.72		100	(21)		CLAYSTONE (J_Kk) XW: Recovered as white, yellow, dry, hard, silty clay. Low plasticity. Thin dark brown zones of iron oxide precipitate.		XW					Is(50) = 0.03MPa; * Is(50) = 0.03MPa; *	D (19.10m) A (19.15m)
18	296.72		100	(50)		CLAYSTONE (J_Kk) HW: Yellow brown, yellow, grey, fine grained, medium plasticity, very low to low strength. Zones of iron oxide precipitate.		HW					Is(50) = 0.03MPa; * Is(50) = 0.03MPa; *	D (19.10m) A (19.15m)
19	295.87					CLAYSTONE (J_Kk) XW: Recovered as white, yellow, dry, hard, silty clay. Low plasticity. Thin dark		XW						
20														

REMARKS J_Kk = Kumbarilla Beds

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BOREHOLE No BH10
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20	295.37													
20.20	295.17		100			brown zones of iron oxide precipitate. Borehole terminated at 20.2m.		XW						
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														

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