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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH15  
 SHEET 1 of 3  
 REFERENCE No 11849

PROJECT Jingi Jingi Creek Bridgesite Investigation  
 LOCATION Pier 14 - Left Hand Side COORDINATES 286991.8 E; 7024340.4 N  
 PROJECT No FG6169 SURFACE R.L. 315.35m PLUNGE \_\_\_\_\_ DATE STARTED 1/7/14 GRID DATUM MGA 94 Zone 56  
 JOB No 222/18C/5 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 7/7/14 DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING											DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	J	VL	EL	EC	VC	W	VW				
0	315.35																						
0.30	315.05					<b>Silty CLAY (TOPSOIL)</b> Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.		(CL)															
1					A	<b>Silty CLAY (ALLUVIAL)</b> Dark grey, moist, stiff. High plasticity.		(CH)												3,6,7 N=13	SPT		
2					B															3,6,8 N=14	SPT		
2.50	312.85				C	<b>Clayey SAND (ALLUVIAL)</b> Grey brown, moist, dense to very dense. Fine to coarse grained sand. Some fine gravel. 3.00m high content of clay.		(SC)												11,13,19 N=32	SPT		
3					D															12,19,30/130mm	SPT		
4					E	<b>Silty CLAY (ALLUVIAL)</b> Dark brown, moist, very stiff. Low plasticity.		(CL)												9,11,19 N=30	SPT		
4.70	310.65				F	<b>Clayey SAND (ALLUVIAL)</b> Grey brown, moist, medium dense to dense. Fine to coarse grained sand. Trace fine gravel.		(SC)												12,20,27 N=47	SPT		
5.80	309.55				G															15,10,18 N=28	SPT		
6					H															14,20,15 N=35	SPT		
7					J	<b>Silty CLAY (ALLUVIAL)</b> Dark brown, moist, very stiff. Low plasticity.		(CL)												7,12,13 N=25	SPT		
8																							
8.80	306.55																						
9																							
9.80	305.55																						
10						<b>CLAYSTONE (J_Kk) XW:</b>		XW															

TMR.GLB Log\_A\_ENGINEERINGBOREHOLE LOG W/ LITHOLOGY - JINGI JINGI BH LOGS.GPJ <<DrawingFile>> Datagel CPT Tool gini Add-in 18/12/2014 13:31

REMARKS J\_Kk = Kumbarilla Beds

\* For this specimen, the load cell used does not comply with the test method requirements.

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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No   BH15    
SHEET   2   of   3    
REFERENCE No   11849  

PROJECT   Jingi Jingi Creek Bridgesite Investigation    
LOCATION   Pier 14 - Left Hand Side   COORDINATES   286991.8 E; 7024340.4 N    
PROJECT No   FG6169   SURFACE R.L.   315.35m   PLUNGE            DATE STARTED   1/7/14   GRID DATUM   MGA 94 Zone 56    
JOB No   222/18C/5   HEIGHT DATUM   AHD   BEARING            DATE COMPLETED   7/7/14   DRILLER   North Coast Drilling  

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING								DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	J	VL	EL	EC				
10	305.35				K	<b>CLAYSTONE (J_Kk)</b> XW: Recovered as grey brown, moist, hard, silty clay. Low plasticity.													12,23,30/140mm	SPT
11					L	11.00m: Colour change to pale grey.													13,22,30/120mm	SPT
12					M														13,30/140mm	SPT
13					N														12,18,26 N=44	SPT
14					P														11,20,30/140mm	SPT
15					Q			XW											10,18,29 N=47	SPT
16					R														13,26,30/140mm	SPT
17					S														15,29,30/100	SPT
18					T														13,22,27 N=49	SPT
19					U														12,28,30/120mm	SPT
20																				

REMARKS   J\_Kk = Kumbarilla Beds  

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BOREHOLE No   BH15    
SHEET   3   of   3    
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									EH	VH	H	M	J	L	VL	EL	EC	VC	W					VW	EW
20	295.35				V	CLAYSTONE (J_Kk) XW: (Cont'd)																		13,24,30/100	SPT
21					W			XW																16,30/120mm	SPT
22					X																			18,30/140mm	SPT
22.30	293.05																								
23			(91)			CLAYSTONE (J_Kk) HW: Pale grey, dark brown patches, fine grained, medium bedded, very low strength. Some patches of iron oxide precipitate.			HW																
			100 (33)			Defects: - BP; 50° (2/m); Defects are generally planar, smooth, weathered and clay infilled.			XW															23.20m-23.60m: XW Claystone. Extremely low strength.	
24									HW																
24.55	290.80																								
25			100 (10)			CLAYSTONE (J_Kk) XW: Recovered as pale grey, moist, hard, silty clay. Low plasticity.																		Is(50) = 0.05MPa; * Is(50) = 0.05MPa; *	D (24.50m) A (24.55m)
									XW															UCS=917kPa	UCS
25.60						25.60m: Becoming dark grey brown.																		Is(50) = 0.06MPa; * Is(50) = 0.02MPa; *	D (25.52m) A (25.56m)
25.98	289.37		100																						
26						Borehole terminated at 25.98m.																			
27																									
28																									
29																									
30																									

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