

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>



ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH18

SHEET 1 of 3

REFERENCE No 11852

PROJECT Jingi Jingi Creek Bridgesite Investigation

LOCATION Pier 16 - Right Hand Side COORDINATES 286981.1 E; 7024360.2 N

PROJECT No FG6169 SURFACE R.L. 315.38m PLUNGE DATE STARTED 10/7/14 GRID DATUM MGA 94 Zone 56

JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 10/7/14 DRILLER North Coast Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	WEATHERING											GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS							
								USC	EH	VH	H	M	J	VL	EL	VC	WC	W				WW	VW	EW				
0	315.38																											
0.40	314.98					Silty CLAY (TOPSOIL) Dark grey black, moist, soft. Low plasticity. Some sand, gravel and organic matter.	(CL)																					
1					A	Silty CLAY (ALLUVIAL) Dark grey, moist, stiff. High plasticity. Trace organics.	(CH)																		2,3,5 N=8	SPT		
2					B																					3,5,8 N=13	SPT	
2.80	312.58					Sandy CLAY (ALLUVIAL) Grey brown, moist, very stiff. Low plasticity. Fine to coarse grained sand.	(CL)																			8,9,14 N=23	SPT	
3.90	311.48					Clayey SAND (ALLUVIAL) Pale grey, brown, moist, medium dense to very dense. Fine to coarse grained sand.	(SC)																			12,17,23 N=40	SPT	
5					E	5.00m fine grained sand.																				9,12,13 N=25	SPT	
6					F	6.00m fine to medium grained sand.																				14,20,30/90mm	SPT	
7					G																					16,23,30/120mm	SPT	
7.60	307.78					Silty CLAY (ALLUVIAL) Dark brown, moist, very stiff. Low plasticity.	(CL)																			9,10,14 N=24	SPT	
9					J																					6,10,16 N=26	SPT	
9.50	305.88					CLAYSTONE (J_Kk) XW: Recovered as white, cream, brown patches, moist, hard, silty clay.	XW																					

TMR.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY - JINGI JINGI BH LOGS.GPJ <<DrawingFile>> Dataget CPT Tool gINT Add-in 18/12/2014 13:31

REMARKS J_Kk = Kumbarilla Beds LOGGED BY MS

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

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH18
SHEET 2 of 3
REFERENCE No 11852

PROJECT Jingi Jingi Creek Bridgesite Investigation
LOCATION Pier 16 - Right Hand Side COORDINATES 286981.1 E; 7024360.2 N
PROJECT No FG6169 SURFACE R.L. 315.38m PLUNGE DATE STARTED 10/7/14 GRID DATUM MGA 94 Zone 56
JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 10/7/14 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	C	W					VW	WW	EW
10	305.38				K	Low plasticity.																		13,30/130mm	SPT	
11					L																			11,20,29 N=49	SPT	
12					M																			8,13,16 N=29	SPT	
13					N		XW																	13,23,30/90mm	SPT	
14					P	14.00m colour change to yellow, white, brown.																		23,30/90mm	SPT	
15					Q																			30/100mm	SPT	
16					R																			30/100mm	SPT	
17			100 (35)			16.20m white, pale grey, with patches of dark brown, dry, hard. Low plasticity.	HW																	16.40m-16.70m: HW Claystone. Very low strength.	Is(50) = 0.31MPa; * Is(50) = 0.03MPa; *	D (17.00m) A (17.25m)
18			100 (23)				XW																			
19	297.08		100 (63)			CLAYSTONE (J_Kk)HW: White, dark brown patches, fine grained, thickly bedded, extremely low to very low strength. Some dark brown patches of iron oxide precipitate. Some XW Claystone zones. Defects: - Js; 20° (2/m); Defects are generally planar, rough, weathered and clay infilled.	HW																	19.35m-19.75m: XW Claystone. Extremely low strength.	UCS=621kPa	UCS
20							XW																			
							HW																			

REMARKS J_Kk = Kumbarilla Beds

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

LOGGED BY
MS



ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u> BH18 </u>
SHEET	<u> 3 </u> of <u> 3 </u>
REFERENCE No	<u> 11852 </u>

PROJECT Jingi Jingi Creek Bridgesite Investigation
 LOCATION Pier 16 - Right Hand Side COORDINATES 286981.1 E; 7024360.2 N
 PROJECT No FG6169 SURFACE R.L. 315.38m PLUNGE DATE STARTED 10/7/14 GRID DATUM MGA 94 Zone 56
 JOB No 222/18C/5 HEIGHT DATUM AHD BEARING DATE COMPLETED 10/7/14 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											DEFECT SPACING (mm)							GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
										EH	VH	H	M	J	V	L	EL	EC	VC	C	W	VW	EW	EC	VC	C	W			
20	295.38		100	(95)		CLAYSTONE (J_Kk) HW: (Cont'd)																						Is(50) = 0.04MPa; * Is(50) = 0.04MPa; *	A (19.96m) D (20.00m)	
21																														
21.66	293.72		100			Borehole terminated at 21.66m .																						Is(50) = 0.03MPa; * Is(50) = 0.05MPa; *	D (21.55m) A (21.62m)	
22																														
23																														
24																														
25																														
26																														
27																														
28																														
29																														
30																														

REMARKS J_Kk = Kumbarilla Beds
 * For this specimen, the load cell used does not comply with the test method requirements.

LOGGED BY
MS