

## **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 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	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	315.39												
0.40	314.99					<b>Silty CLAY (TOPSOIL)</b> Dark grey black, moist, soft. Medium to low plasticity. Some sand, gravel and organic matter.	(CI-CH)						
1					A	<b>Silty CLAY (ALLUVIAL)</b> 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
3.30	312.39				C	<b>Sandy CLAY (ALLUVIAL)</b> 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				E	<b>Clayey SAND (ALLUVIAL)</b> 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				H	<b>Sandy Gravelly CLAY</b> Dark brown, red, moist, hard. Low plasticity. Fine to medium gravel.	(CL)					8,19,19 N=38	SPT
8					J	<b>CLAYSTONE (J_Kk)</b> XW: Recovered as pale grey, moist, hard, silty clay. Low plasticity.	XW					14,24,30/100mm	SPT
8.90	306.49												
9													
10													

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 BH08  
SHEET 2 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	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
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.						26,30/125mm	SPT
12					M		XW					30/140mm	SPT
13	302.19				N							30/120mm	SPT
14			(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
15			100 (83)				XW					Is(50) = 0.13MPa; * Is(50) = 0.07MPa; *	D (14.14m) A (14.18m)
16			100 (100)				HW					Is(50) = 0.11MPa; * Is(50) = 0.05MPa; *	D (16.16m) A (16.20m)
17			100 (43)				XW					17.15m-17.40m: XW Claystone. Extremely low strength.	
18							HW					Is(50) = 0.02MPa; * Is(50) = 0.04MPa; *	A (17.70m) 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.	
20						Borehole terminated at 19.2m.	XW					Is(50) = 0.06MPa; * Is(50) = 0.04MPa; *	D (19.16m) A (19.20m)

REMARKS J\_Kk = Kumbarilla Beds

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

LOGGED BY  
MS