

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) 2026, 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/>



**Queensland
Government**

GEOTECHNICAL TEST PIT LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER TO TMR FORM F:GEOT 017/10 - 2019

EXCAVATION No **Location 16**

Sheet 1 of 1

DATE EXCAVATED **19/12/2019**

PROJECT	M5 Centenary Bridge Upgrade - Northern Riverbank Geotechnical Investigation			REFERENCE NUMBER	T00697	
LOCATION	Brisbane River, Spinkbrae Street Park, Fig Tree Pocket, M5 Centenary Bridge			COORDINATES	494808.96E; 6955206.87N	
PROJECT No	FG19080	SURFACE R.L.	1.83m	HEIGHT DATUM	m AHD	
JOB No	498/05146	PLANT TYPE AND MODEL	Kubota KX033-4		BUCKET SIZE	300mm
				BEARING		GRID DATUM WGS84 UTM 56J
						CONTRACTOR Aussie Excavations

DEPTH (m)	R.L. (m)	AUGER BUCKET (BLADE) BUCKET (TEETH) ROCK RIPPER	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY GROUP SYMBOL / WEATHERING	Dynamic Cone Penetrometer (DCP) Blows Per 100mm				ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
						5	10	15	20		
			A	silty CLAY (Alluvium) grey and brown, dry, estimated very stiff high plasticity, with fine to medium grained sand 0.2 - 0.7m: with cobbles and boulders 65 mm to 400 mm in size- interpreted as placed filling as part of landslide remediation measures	(CH)					0.1m: Su(PP)= 100-175 kPa MC= 21.3%	DIST
0.70	1.13		B	silty CLAY (Alluvium) grey and orange-brown, moist, firm to stiff high plasticity, with fine to medium grained sub-angular to rounded gravel, with interbedded fine to medium sandy clay and silty sand laminae	(CH)					0.7m: Su(FSV)= 32/20 kPa 0.7m: Su(PP)= 25-40 kPa 0.80m: field shear vane test result influenced by gravel in clay matrix 0.8m: Su(FSV)= 80/36 kPa 0.8m: Su(PP)= 40-50 kPa	DIST
1.00	0.83		C	sandy CLAY (Alluvium) grey, moist, firm low plasticity, fine grained sand fraction, with silt	CL					1.1m: Su(FSV)= 32/12 kPa 1.1m: Su(PP)= 40-50 kPa 1.15m: Su(FSV)= 26/10 kPa	LL= 32% PI= 17% DIST
1.30	0.53		D	sandy SILT (Alluvium) grey, wet, firm low plasticity, fine grained sand fraction, with clay	ML					1.4m: Su(FSV)= 20/2 kPa 1.4m: Su(PP)= 15-20 kPa	LL= 23% PI= 6% DIST
1.90	-0.07		E	sandy CLAY (Alluvium) grey, moist to wet, soft medium plasticity, fine grained sand fraction, with silt some interbedded clayey sand laminae	CI					2.1m: Su(FSV)= 24/10 kPa 2.1m: Su(PP)= 20 kPa	LL= 40% PI= 24% DIST
2.60	-0.77			Excavation completed at 2.60 m.							

REMARKS No free groundwater observed

LOGGED BY

REVIEWED BY

M. Hayes

S. Foley