

## **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/>

# TEST PIT LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/6-2010

FEATURE No TP38

SHEET 1 of 1

DATE EXCAVATED 15/7/11

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Embankment 7

COORDINATES 472331.1 E; 7093038.5 N

PROJECT No FG5799

SURFACE R.L. 65.60

DATUM AHD

SYSTEM MGA94 Zone 56

JOB No 232/10A/2

EQUIPMENT TYPE AND MODEL JCB Backhoe

BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC WEATHERING	SOIL DESCRIPTION SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	VDCP LOG (Cone Resistance)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	VDCP38 (MPa)			
0	65.60	BUCKET			0 4 8 12 16 >20			
			CI	<b>TOPSOIL</b> Brown, moist, firm, silty clay. Intermediate plasticity, trace organics, trace fine gravel up to 10mm.				
	64.80							
1			CL	<b>Sandy CLAY (Alluvium?)</b> Brown, moist, stiff. Low to intermediate plasticity, occasional gravel.		LL = 34; PI = 19; LS = 10.4; MC = 17.5%; WPI=1397, WLS=780 FSV= 58/23 kPa	11G0756	25142
	64.10							
	63.75		CI	<b>Silty CLAY (Residual)</b> Grey mottled with brown and red, moist, very stiff to hard. Intermediate plasticity, occasional gravel and cobbles.		MC = 15.8%	11G0759	24877
2				Excavation terminated at 1.85m				
3								
4	61.60							

Site before excavation



Test pit profile



Excavated material from 0.8-1.5m



REMARKS MC-Moisture Content, LL-Liquid Limit, PI-Plastic Index, LS-Linear Shrinkage, WPI=PI x % pass 0.425mm sieve,

WLS=LS x % pass 0.425mm sieve, FSV-Field Shear Vane, PP<sub>150</sub>-Pocket Penetrometer, EC-Emerson Class Number

LOGGED BY  
JD/JA