

## **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/>



**Queensland  
Government**

Department of  
Main Roads

# TEST PIT LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/5-2009

FEATURE No TP074

SHEET 1 of 1

DATE EXCAVATED 22/09/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 7

COORDINATES 488042.7 E; 7080358.2 N

PROJECT No FG5825

SURFACE R.L. 113.16

DATUM AHD

SYSTEM MGA94

JOB No 128/10A/901

EQUIPMENT TYPE AND MODEL JCB BACKHOE

BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC WEATHERING	SOIL DESCRIPTION	VDCP LOG (Cone Resistance)	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				SOIL TYPE : Colour, grain size, plasticity or particle characteristics, moisture, consistency, density, secondary components	VDCP 60 (MPa)			
0	113.16	BUCKET		ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions	0 4 8 12 16 >20			
1				<b>FILL</b> Waste Bitumen & Concrete		MC = 9.8%	09G1525	
2	111.56		CI	<b>Silty CLAY with some sand</b> Yellowish grey-brown, medium plasticity. Sand - fine grained. Dry to moist, hard.		PP(UCS) 423kPa LL = 31; PI = 14; LS = 7; MC = 17.2%; WPI 1263	09G1526	22249
3	110.66		(CI)	<b>Silty CLAY (Residual Soil?)</b> Pale grey with red Fe staining, medium plasticity. Moist, very stiff to hard.		PP(UCS) 310kPa MC = 20.5%	09G1527	
4	109.66		(CI-CH)	<b>Sandy CLAY (Residual Soil?)</b> Grey with red Fe staining, medium to high plasticity. Sand - coarse, quartz. Trace of gravel towards base of pit, subrounded, high strength, white quartz. Wet, hard.		PP(UCS) 450kPa PP(UCS) >500kPa MC = 13.2%	09G1528	
4	109.16			Excavation terminated at 3.9m				

OLD\_DMR\_LIB\_01.GLB Log A TEST PIT LOG FG5825 BRUCE HWY COOROY-CURRA SECTION A TPS.GPJ DWG64067.GDW Digital CPT Tool gINT Add-In 24/06/2010 17:40



REMARKS Parentheses indicate visual classification only. PP = Pocket penetrometer

LOGGED BY  
RK/GB P.Simson