

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 TP124

SHEET 1 of 1

DATE EXCAVATED 27/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 9

COORDINATES 486815.1 E; 7080762.9 N

PROJECT No FG5825

SURFACE R.L. 123.26

DATUM AHD

SYSTEM MGA94

JOB No 128/10A/901

EQUIPMENT TYPE AND MODEL Hitachi 5T Tracked Excavator

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	DCP LOG (Blow Count / 100mm) 0 4 8 12 16 >20	ADDITIONAL DATA AND TEST RESULTS	SAMPLE NUMBER	TEST REPORT
				ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
0	123.26							
	123.11		ML	Clayey SILT (Topsoil) Pale brown, dry, stiff. Intermediate plasticity; occasional gravel and sand; rootlets.		DCP terminated at 0.3m		
			GM	Silty GRAVEL with clay (Colluvium) Pale orange brown, moist, dense to very dense. Gravel is fine to coarse grained, sub-angular to sub-rounded, tabular, phyllite; occasional pockets of darker brown silty Gravel with dark grey/black carbonaceous flecks; trace fine to coarse sand; rootlets.		LL = 49; PI = 16; LS = 8; MC = 15%; WPI=913	A	D,Bulk
1	122.16		MH	Clayey SILT (Colluvium) Pale grey brown, moist, very stiff to hard.		LL = 50; PI = 17; LS = 10; MC = 15.3%; WPI=875	B	D,Bulk
			MH	Intermedaite to high plasticity; trace gravel. Below 1.4m: Grading to gravelly SILT. Gravel fraction is comprises fine to coarse grained, sub-angular to sub-rounded, phyllite and quartz; becoming red brown to pale brown with manganese and red brown iron staining.		FSV(Su) Unable to push vane. LL = 52; PI = 22; LS = 10.4; MC = 15.2%; WPI=1749	C	D,Bulk
2								
	120.76							
			ML	Clayey SILT with gravel (Colluvium) Mottled dark brown and red brown with dark grey organic staining, moist, hard. Low plasticity; gravel fraction is comprised of fine to coarse, sub-rounded to sub-angular, quartz and phyllite; iron and and manganese staining throughout matrix.		LL = 54; PI = 22; LS = 10.2; MC = 17.6%; WPI=1758	D	D,Bulk
3	120.16							
				Excavation terminated at 3.1m		LL = 46; PI = 15; LS = 7.4; MC = 7.2%; WPI=996	E	D,Bulk
4	119.26							

Testpit Profile



Excavated Material



REMARKS FSV= Field shear vane (Peak/residual):

LOGGED BY
BJD

Q:\D_MLR_LIB_01_GLB_Log_A_TEST PIT LOG FG5825 BRUCE HWY COOROY CURRA SECTION A.TPS.GPJ DWG13036.GDW Dargel CPT Tool g1N1 Add-In 25/06/2010 14:11