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**Queensland
Government**

Department of
Main Roads

TEST PIT LOG

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

FEATURE No TP089

SHEET 1 of 1

DATE EXCAVATED 08/02/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Southern I/C, Embankment 1B

COORDINATES 491200.1 E; 7076457.6 N

PROJECT No FG5825

SURFACE R.L. 107.68

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	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
0	107.68	USC	WEATHERING ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
		OL	Silty CLAY with Gravel (Topsoil) Pale brown, wet. Low to intermediate plasticity; gravel fraction is fine to medium grained, subrounded to subangular and comprised predominantly of quartz; rootlets up to 20mm dia.				
	107.28		Silty CLAY with Gravel (Residual Soil) Pale grey with red and orange brown mottling, moist, firm. Low plasticity; occasional rootlets.		Strong GW inflow from 0.4m from all sides of pit.		
1		CL	Gravel fraction is comprises fine to coarse grained, sub-angular to angular quartz and chert.				
	106.08		Silty CLAY (Residual Soil) Pale grey to red and orange brown, moist, firm to stiff. Intermediate plasticity; trace fine gravel and iron modules.		FSV (Su) 70/33, 63/30. GW rose to 1.8m after 5 minutes.	A	D,Bulk
2		CI	At 2.0m: Grading to sandy Clay; sand is fine to coarse grained; low plasticity; trace silt.		LL = 35; PI = 16; LS = 8.8; MC = 20.4%; WPI = 1181	B	D,Bulk
	105.38		Clayey GRAVEL (Residual Soil) Pale grey, moist, medium dense. Gravel is fine to coarse grained, subangular and comprised of quartz and chert.				
	105.18	GC	Excavation terminated at 2.5m				
3							
4	103.68						

Testpit Profile



Excavated Material



REMARKS FSV= Field shear vane (Peak/residual). Excavation terminated at 2.5m due to groundwater inundation.

LOGGED BY
BJD

Q:\DMDR_LIB_01_GLB_Log_A_TEST PIT LOG FG5825 BRUCE HWY COOROY CURRA SECTION A.TPS.GPJ D:\MC13036 GDW Dalgel CPT Tool GINI Add-In 25/06/2010 14:11