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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 TP125

SHEET 1 of 1

DATE EXCAVATED 28/01/10

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 10

COORDINATES 486517.9 E; 7080800.2 N

PROJECT No FG5825

SURFACE R.L. 124.27

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	124.27	USC	ROCK DESCRIPTION ROCK SUBSTANCE : Type, colour, grain characteristics, weathering, strength, structure, inclusions				
124.07		OL	Gravelly SILT (Topsoil) Pale brown, dry, stiff. Low plasticity; Gravel comprises fine to medium grained, sub-rounded to sub-angular, quartz, phyllite and iron nodules; rootlets; trace fine to coarse sand.				
123.82		ML	SILT with gravel (Colluvium) Pale brown, dry, stiff to very stiff. Gravel comprises fine to coarse, sub-rounded to sub-angular, quartz, phyllite and iron nodules; rootlets.				
123.27		ML	SILT with gravel (Colluvium) Pale red and orange brown, moist, stiff to very stiff. Low plasticity; gravel fraction comprises fine to coarse, sub-angular to sub-rounded, phyllite and quartz; trace clay and sand.		LL = 44; PI = 16; LS = 8.4; MC = 21.9%; WPI=1157 PP(UCS) 1.07 MPa FSU(Su) unable to push vane. LL = 49; PI = 20; LS = 6.8 DCP terminated at 1.2m	A	D,Bulk
		XW-HW	PHYLLITE (XW/HW): Generally exhibits the engineering properties of pale grey to mottled orange and red brown, moist, very stiff to hard gravelly Silt with clay. Gravel fraction comprises fine to coarse, angular phyllite. Foliation visible within weathered gravel. Below 2.0m: Becoming EL-VL strength phyllite.			B	U100
121.47			Excavation terminated at 2.8m				
120.27							

Testpit Profile



Excavated Material



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

LOGGED BY
BJD

QLD_DMR_LIB_01_GLB_Log_A_TEST PIT LOG FG5825 BRUCE HWY COOROY CURRA SECTION A TFS.GPJ DWG13036.GDW D:\geot\cpt\log\add-in\25062010 14:11