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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 TP009

SHEET 1 of 1

DATE EXCAVATED 16/09/09

PROJECT Bruce Highway Cooroy to Curra Section A Geotechnical Investigation

LOCATION Embankment 2

COORDINATES 489871.5 E; 7077615.7 N

PROJECT No FG5825

SURFACE R.L. 115.85

DATUM AHD

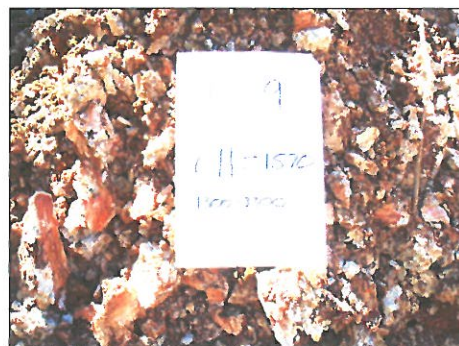
SYSTEM MGA94

JOB No 128/10A/901

EQUIPMENT TYPE AND MODEL JCB BACKHOE

BUCKET SIZE 450mm

DEPTH (m)	R.L. (m)	METHOD	USC WEATHERING	SOIL DESCRIPTION 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	VDCP5 (MPa)			
0	115.85	BUCKET	SM	Topsoil	0 4 8 12 16 >20			
	115.75			Silty SAND with some gravel Light brown, medium plasticity. Sand - quartz. Gravel - medium to fine grained, subrounded, very high strength, white, quartz. Moist, very stiff.		LL = 41; PI = 13; LS = 11; MC = 16.6%; WPI 738	09G1458	22134
1						PP(UCS) 206kPa		
	114.55		CH	Silty CLAY some sand and gravel Dark red/orange/pale grey, high plasticity. Sand - coarse, white, quartz. Gravel - subangular to subrounded, medium to high strength, white quartz and red Fe cemented particles. Moist, hard.		PP(UCS) 323kPa	09G1459	
2						MC = 20.9%		
						PP(UCS) 505kPa		
3						Gravel less prevalent below 2.8m		
	112.55					PP(UCS) 447kPa Fissured structure evident in material near base of pit		
4	111.85			Excavation terminated at 3.3m				



REMARKS Parentheses indicate visual classification only. PP = Pocket penetrometer

LOGGED BY
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