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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH103

SHEET 1 of 2

REFERENCE No H10658

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Cut 11 COORDINATES 485792.3 E; 7080814.7 N

PROJECT No FG5825 SURFACE R.L. 169.57m PLUNGE DATE STARTED 28/1/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 29/1/10 DRILLER Drillsure

DEPTH (m)	R.L. (m)	USER CASE CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)			GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	M	J	U	20	60	200			
0	169.57					Silty CLAY (Residual soil) Light brown, moist													
1	168.57				A	SILTSTONE (XW) Generally exhibits the engineering properties of light grey with minor red and orange mottling, moist, very stiff to hard, clayey Silt of intermediate plasticity..	X										6,8,12 N=20	SPT	
2					B		X										7,19,24 N=43	SPT	
3	166.47				(100)	MUDSTONE (HW): Pale grey with mottled red iron staining throughout, fine grained, massive. Defects are generally widely spaced. Defects sets dip at 10° and 45°. Defect surfaces are typically iron stained.	X												
4					100 (46)		X												
5	164.09				80 (97)	SILTSTONE (HW): Light brown to pale grey, fine grained, massive. Defects are generally widely spaced. Defect sets dip at 10° and 35°. Defect surfaces are typically iron stained. Fine grained sand particles throughout.	X												
6					100 (68)		X												
7					80 (62)		X												
8					100 (60)		X												
9							X												
10							X												

REMARKS Standpipe piezometer installed at base of hole.

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Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH103

SHEET 2 of 2

REFERENCE No H10658

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Cut 11 COORDINATES 485792.3 E; 7080814.7 N

PROJECT No FG5825 SURFACE R.L. 169.57m PLUNGE DATE STARTED 28/1/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 29/1/10 DRILLER Drillsure

DEPTH (m)	R.L. (m)	ALUGER CASING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH					DEFECT SPACING (mm)			GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS			
										EH	VH	H	M	J	L	EL	20				60	200	600
10	159.57					SILTSTONE (HW): (Cont'd)	X																
11						10.8m: Distinct colour change to pale grey with minor orange mottling.	X																
						73 (100)	X																
12							X																
						100 (73)	X																
13							X																
						13.8m: Colour change to light brown.	X																
14	155.62					CONGLOMERATE (HW): Mottled red, coarse gravels up to 20mm within coarse sand matrix; poorly cemented.	O																
						14.3 - 15.76m: Zone of large core loss. Likely to be part of weakly cemented conglomerate.	O																
15							O																
						3 (100)	O																
16	153.78					SANDSTONE (HW): Grey, coarse grained, poorly consolidated.	O																
	153.40					SILTSTONE (MW): Grey to light brown, fine grained, bedded. Bedding dips at ~10°. Defects dip at 10° and are very widely spaced.	X																
17						Occasional sandstone lenses.	X																
						100 (100)	X																
18	151.87					SANDSTONE (HW): Grey, medium grained; bedded, poorly consolidated in parts.	X																
	150.97					18.5m: Becoming light orange-brown.	X																
19						Borehole terminated at 18.6m	X																
20							X																

Q.L.D. DMRS LIB_01.GLB Log A: ENGINEERING BOREHOLE LOG W LITHOLOGY FG5825 BRUCE HWY COOROY-CURRA SECTION A BHS.GPJ DWG71494.GDW Datgcl CPT Tool.g(Nr Add-in 20/05/2010 14:21

REMARKS Standpipe piezometer installed at base of hole.

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Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**
Borehole No: **BH103**
Start Depth: 3.10m
Finish Depth: 18.60m
Project No: FG5825
H No: 10658



SCALE 1:5

F:GEOT043/1