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COORDY-CURRA SECTION A BHS.GPJ

FG5825 BRUCE HWY

Log A\_ENGINEERING BOREHOLE LOG W LITHOLOGY

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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 R.L. RQD INTACT DEFECT ()% STRENGTH ADDITIONAL DATA SPACING (m) MATERIAL (mm) AND **SRAPHIC** DESCRIPTION USC WEATI FH FL VK VC S00 200 200 200 200 200 SAMPL CORE TEST RESULTS REC % 0 169.57 Silty CLAY (Residual soil) Light brown, moist (CI) 168.57 SILTSTONE (XW) 6812 A Generally exhibits the engineering SPT properties of light grey with minor red and orange mottling, moist, very stiff to hard, Datgel CPT Tool gINt Add-In 20/05/2010 14:21 clayey Silt of intermediate plasticity... -2 7.19.24 B SPT N=43 166.47 (100) MUDSTONE (HW): Pale grey with mottled red iron staining DWG71494.GDW throughout, fine grained, massive. Defects are generally widely spaced. Defects sets dip at 10° and 45°. 100 (46)Defect surfaces are typically iron stained. HW -5 164.09 80 SILTSTONE (HW): (97) \*\*\*\*\*\* Light brown to pale grey, fine grained, massive. UCS UCS= 0.7 MPa Defects are generally widely spaced. Defect sets dip at 10° and 35°. Defect surfaces are typically iron stained. Fine grained sand particles throughout. 100 (68) HW -8 80 (62) -9 100 (60) REMARKS Standpipe piezometer installed at base of hole. LOGGED BY JA



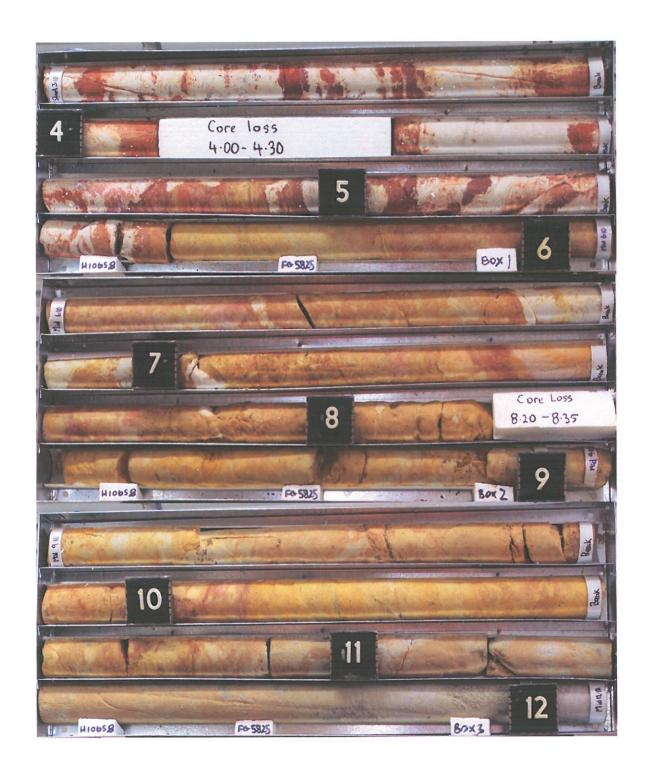
## ENGINEERING BOREHOLE LOG

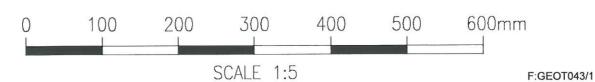
FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/5-2009

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION  LOCATION Cut 11 COORDINATES 485792.3 E; 7080814.7 N												
PROJECT N				SURFACE R.L. 169,57m PLUNGE	_		DA	TF S	TARTED			
JOB No				HEIGHT DATUM _AHD _ BEARING _								
R.L.	NG DRILLING	RQD ( ) %		MATERIAL	380	П	INTA	СТ	DEFECT		ADDITIONAL DATA	
DEPTH (m)	GORIL		щ	DESCRIPTION	LOGY	HERI			(mm)	HC L	AND	LES
10 159.57	AUGE SASIN	CORE REC %	SAMPLE	DESCRIPTION	LITHOLOGY	USC	ijŽτΣ.	771	SPACING (mm) 0000000000000000000000000000000000	GRAPHIC LOG	TEST RESULTS	SAMPLES
10 159.57		TREG 70	97	SILTSTONE (HW):	××	71-	1111		1111			-
				(Cont'd)	× × × × × × × × × × × × ×							<u>-</u> -
- - 11				10.8m: Distinct colour change to pale grey	x x							
		73		with minor orange mottling.	************							
_		(100)			× × ×						Is(50) = 0.27MPa Is(50) = 0.18MPa	X .
					X X						UCS= 2.1 MPa	UCS
12					XX	HW						
					x x							
-					× × ×							-
-		(73)			× ×		21.51					:
- 13 -					X X							
-					XX						Is(50) = 0.33MPa	x -
-					××		11.5				Is(50) = 0.28MPa	o :
- <u>155.62</u> -14				13.8m: Colour change to light brown.  CONGLOMERATE (HW):	Č.							-
-		100		Motted red, coarse gravels up to 20mm	0							
		(0)	$\setminus$	within coarse sand matrix; poorly cemented.	0			-				-
			$  \rangle  $	14.3 - 15.76m: Zone of large core loss.	0	нw		1				
- 15 -			ľ	Likely to be part of weakly cemented conglomerate.	0							-
_			$/ \setminus$		0							_
153.78	3	3			0							
		(100)		SANDSTONE (HW): Grey, coarse grained, poorly consolidated.		нw						-
153.40					× ×		11.2				is(50) = 0.21MPa Is(50) = 0.18MPa	x -
				Grey to light brown, fine grained, bedded.	XX						UCS= 3.0 MPa	UCS -
				Bedding dips at ~10°. Defects dip at 10° and are very widely	× × × × × × × × × × × × × × × × × × ×	MW						
- 17 E				spaced.	× ×	IVIVV						-
-		(100)		Occasional sandstone lenses.	x x							
151.87					× >			_				
18 				SANDSTONE (HW): Grey, medium grained; bedded, poorly consolidated in parts.		HW						-
-				18.5m: Becoming light orange-brown.								
150.97	7 1	100		Borehole terminated at 18.6m	: : :							-
- - - 19								Ē				-
-												
-												-
<u> </u>												
REMARK	S Stan	dpipe piez	come	ter installed at base of hole.							LOGGED BY	
IVEINIVIA											JA	

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





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



