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ENGINEERING BOREHOLE LOG

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

BOREHOLE No ___BH104 ___

SHEET __1__ of __2__

REFERENCE NO ___H10676 ___

PROJECT LOCATION		AY (COOROY - CURRA) SECTION A GEOTE						DORDINATES 485645.4 E; 7080849.2 N
	No. <u>FG5825</u> SURFACE R.L. <u>170.86m</u> PLUNGE DAT							
		HEIGHT DATUM AHD BEARING						
R.L. (m) HL dd O 170.86	AUGGER COSING CORE DRILLING CORE DRILLING SAMPLE	MATERIAL DESCRIPTION	ГІТНОГОСУ	NEATHERING	INTACT STRENGTH ボスエヌンプロ	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS
169.86	A	Sandy CLAY Grey to red, moist, stiff. Traces of organics. Clayey SAND Grey to mottled red, moist, very loose. Sand is fine to medium grained.		(CL)				3,4,6 N=10 SP1 2,4,4 N=8 SP1 Water inflow noted at 2.2m
168.36	(o)	SILTSTONE (XW): Generally exhibits the engineering properties of pale grey with dark orange mottling, very stiff to hard, silty Clay.	× × × × × × × × × × × × × × × × × × ×					during drilling 3,6,11 N=17 SPT → Clay seam, subhorizontal.
168.36 168.36	100 (20) 100 (20)	Remanent rock structure observed in parts. SILTSTONE (HW): Pale yellow with dark orange mottles, fine grained, massive.	××××××××××××××××××××××××××××××××××××××	xw				
7	100 (100)	7.45m: Becoming slightly sandy.	× × × × × × × × × × × × × × × × × × ×	HW				— Jt, PI, SR, 10°, C, FeSt — 7.0m: Jt, 40°, PI, C, R, FeSt Is(50) = 0.42MPa x o — WS, purple with white CS = 0.7 MPa and brown banding.
162.71	100 (100)	SILTSTONE (HW/MW): Pale yellow with dark orange mottles, fine grained, massive. Defects are very widely spaced. Occasional sub-horizontal joints, possibly drilling induced. Defect surface are typically clean or iron stained.	××××××××××××××××××××××××××××××××××××××	IW-				Is(50) = 0.22MPa x Is(50) = 0.19MPa o
	Standpipe piezomet	ter installed at base of hole.	X_X					LOGGED BY
	1000 000 000 000 000 000 000 000 000 00							MLVV



ENGINEERING BOREHOLE LOG

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

BOREHOLE No ____BH104 ___

SHEET ___2 __ of __2 __

REFERENCE NO ____H10676 ___

PROJECT LOCATION	_BRUC _Cut 11			AY (COOROY - CURRA) SECTION A GEOT							OORDINATES <u>485645.4 E; 7080849.</u>	
	Cut 11 COC p FG5825 SURFACE R.L. 170.86m PLUNGE DATE STARTED 9/2/10									=		
JOB No				HEIGHT DATUM AHD BEARING								
R.L. (m) HLdd 10 160.86	AUGER CASING WASH BORING CORE DRILLING	RQD ()%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	INTA STREM		DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES
-11		100		SILTSTONE (HW/MW): As above.	× × × × × × × × × × × × × × × × × × ×						Is(50) = 0.21MPa Is(50) = 0.21MPa	x o
-12		100 (100)			× × × × × × × × × × × × × × × × × × ×	HW- MW					UCS= 3.1 MPa Is(50) = 0.26MPa Is(50) = 0.25MPa	UC X o
-12 -13 -157.36 -14 -15 -16 -17 -18 -152.26		100		SILTSTONE (MW): Pale grey with occasional dark orange mottling, fine grained, massive. Defects are very widely spaced.	× × × × × × × × × × × × × × × × × × ×						⊃− Clay seam, subhorizontal Is(50) = 0.29MPa Is(50) = 0.26MPa	x o
-15		100 (100)		Occasional sub-horizontal joints, possibly drilling induced. Defect surface are typically clean.	X X X X X X X X X X X X X X X X X X X	***					Is(50) = 0.26MPa Is(50) = 0.27MPa UCS= 1.7 MPa	v o UC
17		100 (100)		From 17 2m; Recoming loss sandy	X X X X X X X X X X X X X X X X X X X	MW					Is(50) = 0.20MPa Is(50) = 0.06MPa	x a
152.26		100		From 17.2m: Becoming less sandy.	X						Is(50) = 0.26MPa Is(50) = 0.28MPa	o x
19				Borehole terminated at 18.6m								
	Standpi	ipe piez	ome	ter installed at base of hole.							LOGGED BY MLW	

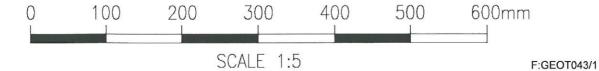
Project: Bruce Highway Upgrade (Cooroy - Curra) Section A

Borehole No: BH 104
Start Depth: 3.00m

Start Depth: 3: Finish Depth: 1: Project No: F H No: 1:

18.60m FG5825 10676





Project: <u>Bruce Highway Upgrade (Cooroy - Curra) Section A</u>

Borehole No: BH 104
Start Depth: 3.00m
Finish Depth: 18.60m

Finish Depth: 18.60m Project No: FG5825 H No: 10676

