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## ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH C54

SHEET \_ 1 \_ of \_ 2 \_

REFERENCE NO \_ H11053 \_

PR	OJECT	Bruç	<u>e Highw</u>	vay (	Jpgrade (Cooroy to Curra) Sec	tion C	. <b>_</b>							
	CATION	Cut 1		<del>-</del>							OORDINAT		2.3 E; 7097144.	. <u>9 N</u> _
					SURFACE R.L78.10m_							RID DATUM		
301	B No	2321	10 <u>A/2</u>		HEIGHT DATUM _AHD	BEARING _			DATE COMPLETE	D _07 <u>/0</u>	<u>7/</u> 1 <u>1                                   </u>	DRILLER	Drillsure Pty	<u>Ltd</u>
o DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING		SAMPLE	MATERIAL DESCRIPTIO	N	LITHOLOGY	USC	INTACT DEFEC STRENGTH SPACIN (mm)	GRAPHIC LOG		DDITIONAL I AND TEST RESU		SAMPLES
E	77.90				TOPSOIL		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<del>                                     </del>	1		**	-	₩ =
- - - - - - - 1	77.10				Silty CLAY (Residual): Brown, moist, stiff, high plasti Occasional gravel, traces of c	city. organics.		(CH)	Ι <u>Ξ</u>				30/75mm	
ļ. '				_A.	SILTSTONE (HW): Brown, fine grained.		× × × × × × ×	нw	‡				N>50	SPL
UPORADE SECTION C.GPJ DWC46352.GDW Datget CPT Tool gINI Add-In 12/122011 16:30	76.60		(55) 100 (34) 100 (67)		SILTSTONE (MW): Brown, fine grained, subtly fol medium to high strength, industightly metamorphosed.  Defects: -Foliation parting at 50° (3/m) -Joint at 30° (3/m) -Joint at 70° (1-2/m)  Defect spacing is generally m	irated and/or	~ × × × × × × × × × × × × × × × × × × ×				→ XW Clay S	Seam Is(5	50) = 1.30MPa 50) = 2.88MPa	x o
- F					Defect surfaces are planar, tig slightly rough, clay infilled, iro	ght or open, n stained.	×××						5%; UCS=5.6	UCS
Datge			100				X X X X X X X X X X X X X X X X X X X				FP, 50°, P FP, 50°, P	I, T, SR, Thinly I, T, SR, Thinly	CInf, FeSt CInf, FeSt	
MG9. 4		H	(34)				X X X X				— j, 60°, Pl,	O, Cinf, 30mm		l .
NE SECTION C.GPJ DWG4635	,	The state of the s	100				××××××××××××××××××××××××××××××××××××××				J, 30°, Pl, J, 60°, Pl,	<b>is</b> (5 T, S, Clinf, FeSt T, S, FeSt	50) = 1.30MPa	, × -
PGRAI			(46)				× × × ×				— J. 60°. Pl.	O, SR, Cinf, Fet	St	-
							x   x	MW			⊃− CLy BZ	0, 011, 0111, 101		
9-6							××				BZ CLy BZ			-
99 - Br							× ×					, SR, Cinf, FeSt	:	
LOGY FG57			100				× × × × × × ×					ls(5 ls(5	0) = 0.88MPa 0) = 0.51MPa	X O
원-7		+	72 (35)	$\ge$			× × × ×							-
QLD_DWR_UB_01A.GLB Log A_ENGINEERING BOREHOLE LOG WLITHOLOGY FG5799-BRUCE HWW			(35)				**************************************				J, 50°, PI, (	ls(5 0, Clnf, 10mm	0) = 0.66MPa	×
G BORE							X X				. ,			-
ERIN							× × × ×							i .
NGINI			94				× × ×				CLy BZ			
A Bo			(40)				××	Í					_	
GLB C							××					, T, S, Thinly Cli	nf	
B 01A							*****				- CLyBZ		į	-
JAMR LI							××							-
라 <u>10</u>			100				× × × ×				⊒— CLy BZ ]— CLy BZ			-
R	REMARKS		. <u> </u>									Le	OGGED BY	
								-			ł		JA/DC	



# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

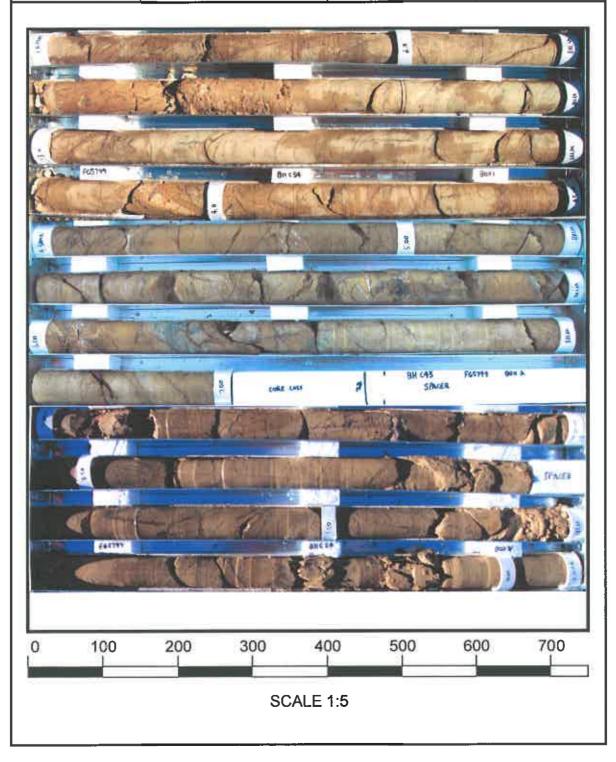
BOREHOLE No	BH C54
SHEET	_2_ of _2_
REFERENCE No	<u>H11053</u>

					pgrade (Cooroy to Curra) Section C							A70662 3 5: 7007144 0 N
					SURFACE R.L. <u>78.10m</u> PLUNGE _							OORDINATES 470662.3 E; 7097144.9 N
JOB					HEIGHT DATUM AHD BEARING							
DEPTH (m)	R.L. (m)	SORING	RQD ()%		MATERIAL DESCRIPTION	LITHOLOGY	П		INTACT	DEFECT	П	ADDITIONAL DATA
10	68.10	AUGE CASIN WASH CORE	CORE REC %	SAMPLE	DESCRIPTION	FE	OSC	WEAT	I I I I I I I I I I I I I I I I I I I	88888	GRAP	AND SEST RESULTS REST RESULTS
	00.10		(57)		SILTSTONE (MW): Cont'd	×××××××××××××××××××××××××××××××××××××××	××××××××××××××××××××××××××××××××××××××					Is(50) = 2.11MPa x Is(50) = 1.85MPa o
11						×	×					
ŧ,			100			×	×				_	ls(50) = 0.98MPa x □Clay Seam
F			(47)			×	M/	VV				 
12						×××	× × × ×					CLy BZ J, 60°, PI, T, SR, CInf
						×	×					ls(50) = 2.11MPa ×
						X	×					J, 70°, Pl, O, R, Thinly Clnf, FeSt
13	65.10		100			×	<u> </u>			5		J, 50°, PI, O, Cinf, 10mm
B					Borehole terminated at 13m				‡			
Dargel CF1 100									#	-		
									1			
770004									1			
2500 Ca5.									-	-		
5.5					·				‡			
15									‡	-		
- PRAD									‡	-		
5-									‡			
16									-	-		
- 88.6									=	-		
									<u> </u>	-		
17									-	- - -		
									1			
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16 17 7 18 19 19 19 19 19 19 19 19 19 19 19 19 19									‡	-		
									1			
									<b>=</b>			
6 - 3 - 3 - 19									3	-		
									1			
									‡	-		
5									1			
	EMARK	 S										LOGGED BY
		-				-	_					JA/DC



### CORE PHOTO LOG - BH C54

Project Name:	BRUCE HIGHWAY UPG	RADE - SECTION C	
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 15	Start Depth (m):	1.50
Reference No.:	H11053	Finish Depth (m):	13.00





### **CORE PHOTO LOG - BH C54**

Project Name:	BRUCE HIGHWA	Y UPGRADE - SECTION C	
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 15	Start Depth (m):	1.50
Reference No.:	H11053	Finish Depth (m):	13.00

