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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C08
SHEET 1 of 2
REFERENCE No H11202

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 3 COORDINATES 472950.2 E; 7089141.4 N
PROJECT No FG5799 SURFACE R.L. 106.60m PLUNGE _____ DATE STARTED 14/09/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 14/09/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	106.60												
1				A	METASANDSTONE (XW): Generally exhibits engineering properties of a brown, moist, very dense, gravelly silty sand. Prominent metasiltstone interbeds.							Based on driller's logs only	14,30,30 N>50 SPT
2				B									30/100 N>50 SPT
3	103.60		(19)		BRECCIA (MW): Brown to grey, fine grained, brecciated, mainly high strength. Defects: -Brecciated throughout. -Recemented fractures throughout. -Joint at 30° (3/m) -Joint at 50° (1/m) -Joint at 70° (1/m) Defect spacing is mainly close to medium. Defect surfaces are planar or irregular, rough, open or closed, clay infilled or iron stained.							XW Clay Seam J, 30°, Pl, T, R, QZ, Cinf DD = 2.56t/m ³ ; MC = 2.4%; J, 30°, Pl, T, Cinf UCS=18.5MPa	UCS
4			100 (0)									CLy BZ XW Clay Seam Is(50) = 2.62MPa	x
5			100 (0)									Fractured Clayey Zone CLy BZ XW Clay Seam Clayey Zone	
6			100 (15)									CLy BZ CLy BZ Is(50) = 4.99MPa Is(50) = 4.28MPa	x o
7			100 (44)									J, 70°, Pl, T, SR, Cinf, FeSt J, 70°, Pl, T, SR, Cinf, FeSt	
8			100 (72)									J, 20°, Pl, T, SR, Cinf, FeSt Is(50) = 1.91MPa J, 20°, I, T, Cinf CLy BZ	x
9													
10			100									J, 50°, Pl, O, R, Cinf	

REMARKS _____

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BOREHOLE No BH C08
SHEET 2 of 2
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LOCATION Cut 3 COORDINATES 472950.2 E; 7089141.4 N
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DEPTH (m)	R.L. (m)	AUGER CASING WASH BORE 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
10	96.60													
11			(78)			BRECCIA (MW): Cont'd							J, 30°, Pl, T, Clnf Is(50) = 0.51MPa DD = 2.41t/m ³ ; MC = 5.2%; UCS=13.9MPa J, 10°, I, T, Clnf Is(50) = 0.68MPa XW Clay Seam J, 50°, Pl, T, R, Clnf, FeSt J, 60°, Pl, T, R, Clnf, FeSt J, 70°, Pl, T, Clnf, FeSt Is(50) = 1.27MPa Is(50) = 1.51MPa	x UCS o x o
12			100 (78)						MW					
13	93.50		100			Borehole terminated at 13.1m								
14														
15														
16														
17														
18														
19														
20														

REMARKS _____

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CORE PHOTO LOG - BH C8

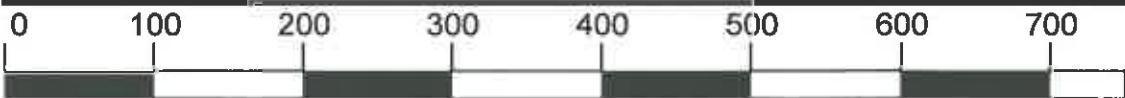
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	15/09/2011
Details:	Cut 3	Start Depth (m):	3.00
Reference No.:	H11202	Finish Depth (m):	13.10



SCALE 1:5

CORE PHOTO LOG - BH C8

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	15/09/2011
Details:	Cut 3	Start Depth (m):	3.00
Reference No.:	H11202	Finish Depth (m):	13.10



SCALE 1:5