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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C07
SHEET 1 of 2
REFERENCE No H11199

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 3 COORDINATES 473010.4 E; 7089057.0 N
PROJECT No FG5799 SURFACE R.L. 108.00m PLUNGE _____ DATE STARTED 13/09/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 13/09/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING 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
0	108.00					TOPSOIL: Grey/brown clayey silt.									
1	107.35				A	Sandy SILT (Residual): Brown, moist, stiff to very stiff, low plasticity. Sand is fine grained.							6.6.9 N=15		SPT
2	106.30				B	METASILTSTONE (HW): Brown, fine grained, very low strength.									
3															
4	104.50					METASILTSTONE (SW): Grey, fine grained, massive, high to very high strength.							Is(50) = 3.76MPa		L
5						Defects: -Joint at 30° (2-3/m) -Joint at 50° (2/m) -Joint at 80° (1/m)							J, 40°, Pl, S, O, FeSt J, 30°, Pl, T, SR, FeSt J, 40°, Pl, T, SR, FeSt J, 70°, Pl, T, SR, FeSt		
6						Defect spacing is close to medium. Defect surfaces are planar, open, slightly rough, iron stained.							J, 10°, Pl, O, SR, Clnf J, 10°, Pl, O, SR, Clnf J, 20°, Pl, O, R, Clnf J, 80°, Pl, T, S, FeSt		x
7													DD = 2.58t/m ³ ; MC = 2.1%; UCS=66.7MPa Is(50) = 3.69MPa Is(50) = 1.22MPa		UCS
8													J, 50°, Pl, O, S, FeSt J, 10°, Curved, O, R J, 30°, O, R, FeSt J, 70°, Pl, O, S, FeSt J, 60°, Pl, T, Clnf XW Clayey Seam, 60° J, Subvertical, Cu, SR, FeSt J, 60°, Pl, O, SR, Clnf J, 30°, Pl, O, SR, FeSt J, 30°, Pl, O, R, FeSt		x o
9													J, 50°, O, SR, FeSt J, 20°, Pl, SR, FeSt J, 40°, Pl, O, SR, FeSt J, 40°, Pl, O, SR, FeSt		L
10															

REMARKS _____

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C07

SHEET 2 of 2

REFERENCE No H11199

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 3

COORDINATES 473010.4 E: 7089057.0 N

PROJECT No FG5799 SURFACE R.L. 108.00m PLUNGE --- DATE STARTED 13/09/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING --- DATE COMPLETED 13/09/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING 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	98.00														
11				100 (68)		METASILSTONE (SW):(Cont'd)							J, 70°, Pl, O, S, FeSt J, 20°, Pl, O, S, FeSt J, 80°, Pl, T, S, Clnf J, 75°, Pl, T, SR, Clnf J, 10°, Pl, T, Clnf Is(50) = 2.15MPa Is(50) = 3.28MPa	x	o
12				100 (66)									BZ J, 20°, Pl, O, SR, FeSt J, 40°, Pl, T, SR, FeSt J, 20°, Pl, O, SR, FeSt J, 60°, Pl, O, S, FeSt BZ		
13				100 (54)									J, 20°, Curved, SR, FeSt J, 80°, Pl, T, S, FeSt Is(50) = 2.74MPa J, 50°, Pl, T, FeSt J, 20°, I, T, R, FeSt	o	
14	94.00			100		Borehole terminated at 14m									
15															
16															
17															
18															
19															
20															

REMARKS ---

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CORE PHOTO LOG - BH C7

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 3	Start Depth (m):	3.50
Reference No.:	H11199	Finish Depth (m):	14.00



SCALE 1:5



CORE PHOTO LOG - BH C7

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 3	Start Depth (m):	3.50
Reference No.:	H11199	Finish Depth (m):	14.00



SCALE 1:5