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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C71

SHEET 1 of 2

REFERENCE No H11230

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Embankment 1/Traveston Creek Bridge Abut B COORDINATES 473365.0 E; 7088048.5 N

PROJECT No FG5799 SURFACE R.L. 67.40m PLUNGE  DATE STARTED 15/09/11 GRID DATUM MG94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING  DATE COMPLETED 15/09/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	RQD (%)	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	67.40		<b>TOPSOIL:</b> Grey, moist, clayey silt.							
0	67.30		<b>Clayey SILT (Alluvium):</b> Mottled grey/orange brown, soft, moist, gravelly clayey silt.	(ML)					Based on driller's logs only	
1	66.70		<b>Silty CLAY (Alluvium):</b> Brown/grey, moist, firm and becoming very stiff with depth, intermediate to high plasticity.							
			Minor organic content.							
2										
3			2.5m: Becoming stiff.	(CI-CH)						
4										
5			4.0m: Becoming very stiff.							
6	61.90									
6	61.80		<b>METASILTSTONE (HW):</b> Grey/brown, fine grained.	HW						
7		(0) 100	<b>METASILTSTONE (MW):</b> Grey/brown, fine grained, subtly foliated, medium to high strength.							
8		(0) 100	Defects:							
9		(0) 100	-Clayey HW zones up to 500mm.							
10		(0) 100	-Joint at 20° (>5/m)							
11		(0) 100	-Joint at 60° (1-2/m)							
12		(0) 100	Defect spacing is generally very close to close.							
13		(19)	Defect surfaces are planar, slightly rough, tight or open, clay infilled and iron stained.							
14		100 (11)								
15		84								
16		(0) 100								
17		(61)								
18	57.60		<b>METASILTSTONE (SW):</b> (See over)	SW						

REMARKS

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JOB No 232/10A/2 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 15/09/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	ALGER 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
										EL	LT	HT	VL	EL					
10	57.40					<b>METASILTSTONE (SW):</b> Cont'd Grey, fine grained, subtly foliated, high strength.											J, 70°, Pl, S, T, FeSt J, 10°, Pl, T, R, FeSt J, 10°, O, SR, FeSt BZ J, 70°, Pl, T, FeSt J, 50°, Pl, T, S, FeSt J, 20°, Pl, S, O, FeSt DD = 2.62t/m <sup>3</sup> , MC = 1.6%; UCS=11MPa	x o	
11			100 (63)			Defects: -Joint at 20° (3/m) -Joint at 70° (1-2/m)  Defect spacing is mainly medium to wide. Defect surfaces are planar, open, smooth, iron stained.  Foliation is disturbed throughout.			SW										
12	55.09		100			Borehole terminated at 12.31m													
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			

REMARKS \_\_\_\_\_

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## CORE PHOTO LOG - BH C71

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	15/09/2011
Details:	Structure	Start Depth (m):	5.60
Reference No.:	H11240	Finish Depth (m):	12.31

