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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C15

SHEET 1 of 2

REFERENCE No H11108

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
 LOCATION Cut 6 COORDINATES 472788.6 E; 7091714.4 N
 PROJECT No FG5799 SURFACE R.L. 87.80m PLUNGE _____ DATE STARTED 08/08/11 GRID DATUM MGA94
 JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 08/08/11 DRILLER Cairns Drilling Contract

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	87.80													
0	87.80					TOPSOIL: Brown, silt.		(ML)						
	87.60					Clayey SAND (Residual): Red/brown.		(SC)						
	87.30					SANDSTONE (HW): Red/grey, fine to medium grained, massive, extremely low to low strength with medium strength bands.						Based on driller's logs only		
1					A	Defects: -Clayey seams throughout up to 300mm. -Joint at 10° (1/m) -Joint at 30° (2/m) -Joint at 70° (1/m)							27, HB N>50	SPT
2			(7)			Defect spacing is mainly extremely close to close. Defect surfaces are planar, open or tight, slightly rough, clay infilled.						J, 20°, Pl, C, Clnf	Is(50) = 0.75MPa Is(50) = 0.64MPa	x o
3						Occasional subangular pebbles up to 10mm.		HW				Clayey Seam		
4			100 (20)									Clayey Seam		
5												Clayey Seam	Is(50) = 0.63MPa Is(50) = 0.63MPa	x o
6	82.05		100 (0)			SILTSTONE (HW): Grey/brown, fine grained, massive, very low strength. Defects: -Joint at 30°-40° (2-3/m) -Joint at 80° (1/m) Defect spacing is close. Defect surfaces are planar, tight or close, smooth, clay infilled.		HW				J, 80°, Pl, T, Clnf J, 20°, Pl, T, Clnf		
7	80.90		100 (21)			SANDSTONE (HW): Grey/brown, fine to medium grained, massive, very low to mainly low strength. Defects: -Clayey seams throughout up to 300mm. -Joint at 10° (1/m) -Joint at 30° (2/m) -Joint at 70° (1/m)						J, 40°, Pl, T, S, FeSt		
8						Defect spacing is extremely close to close. Defect surfaces are planar, open or tight, slightly rough, clay infilled.		HW				Clayey Seam	Is(50) = 0.24MPa Is(50) = 0.23MPa Is(50) = 0.46MPa	x x o
9			100 (10)			Occasional subangular pebbles up to 10mm.						Clayey Seam		
10												J, 60°, I, T, FeSt J, 60°, Pl, T, S, FeSt	Is(50) = 0.09MPa	x

REMARKS _____

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C15
SHEET 2 of 2
REFERENCE No H11108

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 6 COORDINATES 472788.6 E; 7091714.4 N
PROJECT No FG5799 SURFACE R.L. 87.80m PLUNGE _____ DATE STARTED 08/08/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 08/08/11 DRILLER Caims Drilling Contract

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	77.80												
	77.55			100		SANDSTONE (HW): Cont'd		HW				J, Subvertical, Pl, T, S, FeSt	
						Borehole terminated at 10.25m							
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

REMARKS _____

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CORE PHOTO LOG - BH C15

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 6	Start Depth (m):	2.00
Reference No.:	H11108	Finish Depth (m):	10.25



SCALE 1:5