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ENGINEERING BOREHOLE LOG

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

BOREHOLE No	<u>BH C53</u>
SHEET	<u>1</u> of <u>1</u>
REFERENCE No	<u>H11139</u>

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
 LOCATION Cut 14 COORDINATES 470779.0 E; 7096824.8 N
 PROJECT No FG5799 SURFACE R.L. 77.30m PLUNGE _____ DATE STARTED 29/08/11 GRID DATUM MGA94
 JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 29/08/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	MATERIAL DESCRIPTION	LITHOLOGY	WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	77.30			TOPSOIL							
0.1	77.10			Silty CLAY (Residual): Brown/grey/orange, fine grained, moist, stiff, intermediate to high plasticity.	(Cl-CH)					Based on driller's logs only	2,4,5 N=9
1											
2											
2.8	74.80			SILTSTONE (XW): Generally exhibits engineering properties of a brown/grey, fine grained, moist, hard, intermediate plasticity, silty clay. Foliation visible in parts.	XW						18,23,32 N>50
3											
3.6	73.60			SILTSTONE (MW): Brown/grey, fine grained, subtly foliated, medium to mainly high strength, indurated and/or slightly metamorphosed.							
4			(19)	Defects: -Foliation parting at 40° (3-4/m) -Joint at 60° (1/m) -Joint at 80° (1/m)						FP, 50°, Pl, T, S, FeSt J, 80°, I, T, FeSt Is(50) = 0.66MPa Is(50) = 0.79MPa	x o
5			100	Defect spacing is generally medium. Defect surfaces are planar, open or tight, smooth, clay infilled, iron stained.						J, 60°, Pl, T, S, FeSt J, 60°, Pl, T, S, FeSt J, 30°, O, Clnf	
6			(34)							J, 40°, Pl, O, Clnf J, 20°, Pl, O, Clnf	
7			100							FP, 40°, Pl, O, S, FeSt J, 50°, Pl, T, S, FeSt J, 50°, Pl, T, S, FeSt Is(50) = 1.13MPa	x
8			(66)		MW					J, 40°, Pl, O, S, FeSt	
9			100							Is(50) = 1.21MPa Is(50) = 2.09MPa	x o
10	67.30		100							BZ J, 60°, Pl, O, S, FeSt Is(50) = 1.16MPa J, 10°, Pl, O, SR, FeSt Is(50) = 1.10MPa DD = 2.56t/m ² , MC = 1.6%; UCS=15MPa	x o UCS

REMARKS Borehole terminated at 10m

LOGGED BY
JA/DC

OLD_DMR_LIB_01A.GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.CPJ DWG46352.GDW Dategel.CPT Tool g:\nk AddIn 12/12/2011 16:30

CORE PHOTO LOG - BH C53

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 14	Start Depth (m):	3.70
Reference No.:	H11139	Finish Depth (m):	10.05



SCALE 1:5