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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C75  
 SHEET 1 of 1  
 REFERENCE No H11150

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
 LOCATION Cut 13/Access Rd Overpass Abut A COORDINATES 470832.0 E; 7096472.4 N  
 PROJECT No FG5799 SURFACE R.L. 76.20m PLUNGE \_\_\_\_\_ DATE STARTED 30/08/11 GRID DATUM MGA94  
 JOB No 232/10A/2 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 30/08/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASH 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	76.20												
0.8	76.00					<b>TOPSOIL</b> Silty CLAY (Residual): Brown, moist, firm, high plasticity. Becomes gravelly at ~0.8m. Traces of organics.	(CH)						
1.0	75.20				A	<b>SILTSTONE (XW):</b> Generally exhibits engineering properties of a brown, moist, hard, intermediate to high plasticity, gravelly silty clay.	XW					5,9,22 N=31	SPT
3.0	73.30		(22)			<b>SILTSTONE (MW):</b> Brown/grey, fine grained, subtly foliated, medium to high strength, indurated and/or slightly metamorphosed.  Defects: -Clayey zones up to 200mm. -Foliation parting at 50° (5/m) -Joint at 60° (1-2/m)  Defect spacing is close to medium. Defect surfaces are planar, tight or open, smooth, iron stained, clay infilled.	MW				CLY BZ FP, 60°, Pl, T, S, Clnf J, 40°, Pl, T, Clnf FP, 50°, Pl, O, S, FeSt Clay Seam FP, 50°, Pl, O, SR, FeSt FP, 50°, Pl, T, S, FeSt FP, 60°, Pl, T, Clnf Clay Seam FP, 60°, Pl, O, Clnf, 2mm CLY BZ	Is(50) = 0.52MPa Is(50) = 0.81MPa  Is(50) = 0.45MPa Is(50) = 0.92MPa      Is(50) = 2.58MPa Is(50) = 5.06MPa  Is(50) = 0.50MPa Is(50) = 1.71MPa	X O  X O      X O  X O
8.46	67.74		100			Borehole terminated at 8.46m							

OLD\_DMR\_Lib\_01A\_GLB\_Lsp\_A\_ENGINEERING\_BOREHOLE\_LOG\_WITH\_LITHOLOGY\_FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46352.GDW Digital CPT Tool (WIN Add-in 12/12/2011 16:30)

REMARKS \_\_\_\_\_

LOGGED BY  
JA/DC

**CORE PHOTO LOG - BH C75**

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Structure	Start Depth (m):	2.90
Reference No.:	H11150	Finish Depth (m):	8.46



SCALE 1:5