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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C48  
 SHEET 1 of 2  
 REFERENCE No H11051

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
 LOCATION Cut 12 COORDINATES 471012.8 E; 7096053.6 N  
 PROJECT No FG5799 SURFACE R.L. 77.00m PLUNGE \_\_\_\_\_ DATE STARTED 06/07/11 GRID DATUM MGA94  
 JOB No 232/10A/2 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 06/07/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER CASING 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
										EH	VH	H	M	L	EL				
0	77.00					<b>TOPSOIL</b>													
0.5	76.80				A	<b>Silty CLAY (Residual):</b> Grey/brown, moist, stiff, high plasticity.  Occasional organics.			(CH)								3,4,6 N=10	SPT	
1.5	74.50				B	<b>SILTSTONE (HW):</b> No recovery.	XXXXX		HW								30/65mm HR, HB N>50; No recovery	SPT	
2.5	74.05		(10)			<b>SILTSTONE (MW):</b> Brown/grey, fine grained, subtly foliated, mainly high strength, indurated and/or slightly metamorphosed.  Defects: -Joint at 10°-20° (3-4/m) -Joint at 25°-30° (3-4) -Joint at 45°-50° (<1/m) -Joint at 70°-75° (<1/m)  Defect spacing is close to medium. Defect surfaces are planar, tight, open, slightly rough, thinly clay infilled, iron stained.	XXXXX		MW								Is(50) = 0.98MPa	o	
3.5			100 (9)				XXXXX										XW Clayey Seam		
4.5			100 (20)				XXXXX										XW Clay Seam J, 75°, I, T, SR, Thinly Clnf J, 10°, Pl, O, Clnf Sandstone Interbed	Is(50) = 1.26MPa	x
5.5			100 (61)				XXXXX										J, 75°, Pl, T, SR, Clnf, FeSt	Is(50) = 1.28MPa	o
6.5			100 (70)				XXXXX											DD = 2.53t/m <sup>3</sup> , MC = 2.5%; UCS=13.9MPa	UCS
7.5			100 (47)				XXXXX											Is(50) = 0.34MPa Is(50) = 1.50MPa	x o
8.5							XXXXX											Dyke, dark grey, high strength	

QLD\_DMR\_LIB\_01A.GLB Log A. ENGINEERING BOREHOLE LOG WITH LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.G.P.: DIMS4635Z.GDW. Date of CPT Tool ANK444.in 12/12/2011.16:30

REMARKS \_\_\_\_\_ LOGGED BY **JA/DC**



**CORE PHOTO LOG - BH C48**

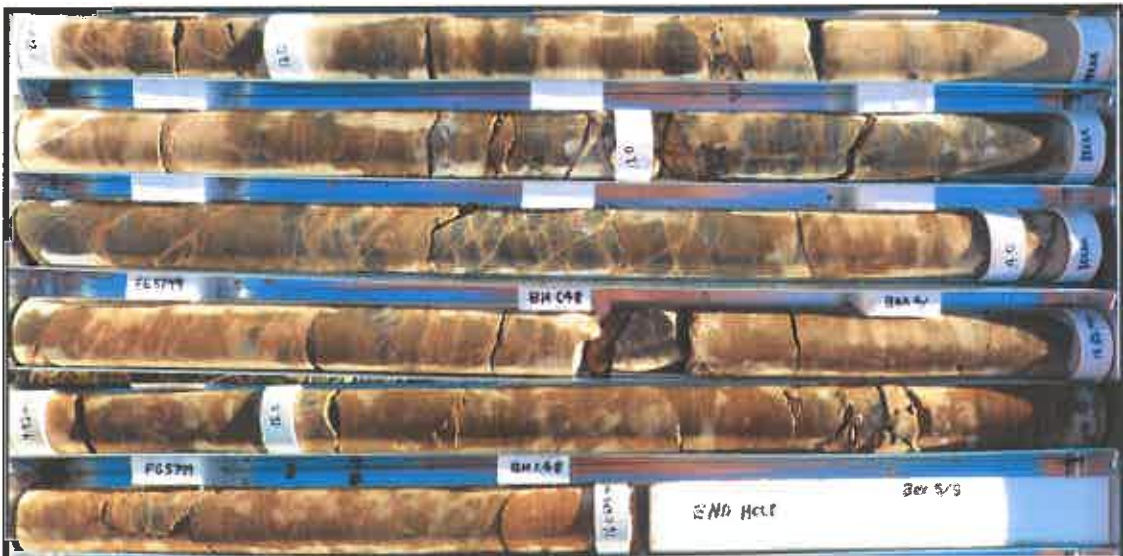
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 12	Start Depth (m):	2.90
Reference No.:	H11051	Finish Depth (m):	16.00



SCALE 1:5

**CORE PHOTO LOG - BH C48**

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
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SCALE 1:5