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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C27

SHEET 1 of 2

REFERENCE No H11118

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 8 COORDINATES 472139.3 E; 7093551.6 N

PROJECT No FG5799 SURFACE R.L. 87.00m PLUNGE DATE STARTED 20/07/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 20/07/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	AUGER Casing Wash Boring Core Drilling	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	87.00											
0.5	86.80				TOPSOIL: Brown.							
0.5	86.40				Sandy CLAY (Residual): Grey/brown.		(CL-CI)					
1.0					SANDSTONE (HW): Brown, fine to medium grained.		HW				Based on Driller's logs only	30/90mm N>50 SPT
1.5	85.50		(7)		SANDSTONE (HW): Orange/brown to grey, fine to medium grained, massive, very low to low strength.		HW				J, 10°, C, Cinf	
2.0					Defects: - Joint at 10° (4/m) - Joint at 40° (2-3/m) - Joint at 70° (2/m)						CLy seam, 70°	
3.0			97 (28)		Defect spacing is generally close to medium. Defect surfaces are planar, open or closed, clay infilled.		HW				J, 70°, P, C, Cinf	Is(50) = 1.14MPa Is(50) = 1.06MPa
3.5											BZ	
4.0											CLy zone	
4.5											CLy zone	
4.5	82.57		100 (37)		SILTSTONE (HW): Grey/brown, fine grained, subtly foliated, very low strength.		HW				J, 10°, Ir, R, O, Cinf	Is(50) = 0.70MPa
5.0					Defects: - Clayey throughout Defect spacing is medium.						CLy zone	
5.5	81.42		100 (53)		SILTSTONE (MW): Brown to grey, fine grained, subtly foliated, medium strength, indurated and/or slightly metamorphosed.		MW				J, 70°, P, SR, T, FeSt	
6.0					Defects: -Foliation at 40° -Joint at 10° (1/m) -Joint at 20-30° (2/m) -Joint at 50-60° (2/m) -Joint at 70° (3/m)						J, 15°, Pl, C, Cinf, 10mm J, 60°, P, C, Cinf J, 20°, I, C	
7.0			100 (84)		Defect spacing is close to medium. Defect surfaces are generally planar, tight, smooth, clay infilled, iron stained.						J, 70°, P, C J, 70°, Un, T, Cinf J, 50°, Ir, C J, 30°, O, R, FeSt	
8.0											J, 40°, T, FeSt J, 50°, P, C, CLy J, 60°, C, Cinf	
9.0			100 (61)								J, 40°, P, T, FeSt J, 50°, P, C, Cinf J, 50°, P, T, FeSt	
9.5											J, 70°, C, FeSt	
10.0											DD = 2.38t/m³; WD = 2.44t/m³; MC = 3.2%; UCS=3.5MPa	UCS
											CLy seam	

REMARKS

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JA/DC

QLD DMR LIB 01A.GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46352.GDW Dated CPT Add-In 12/12/2011 16:28

ENGINEERING BOREHOLE LOG

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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
										EH VH				

REMARKS

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CORE PHOTO LOG - BH C27

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 8	Start Depth (m):	1.50
Reference No.:	H11118	Finish Depth (m):	18.00



SCALE 1:5



CORE PHOTO LOG - BH C27

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 8	Start Depth (m):	1.50
Reference No.:	H11118	Finish Depth (m):	18.00



SCALE 1:5