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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C17
 SHEET 1 of 1
 REFERENCE No H11110

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
 LOCATION Cut 7 COORDINATES 472642.8 E; 7092192.6 N
 PROJECT No FG5799 SURFACE R.L. 87.20m PLUNGE _____ DATE STARTED 07/08/11 GRID DATUM MGA94
 JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 07/08/11 DRILLER Cairns Drilling Contract

DEPTH (m)	R.L. (m)	ALGER 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	87.20					TOPSOIL: Brown, silt.	(ML)						
	87.00					Clayey SAND (Residual): Red/brown.	(SC)						
	86.70					SANDSTONE (HW): Brown/yellow/grey.	HW					Based on driller's logs only	30/70 N>50 SPT
	85.70		(0)			SANDSTONE (MW): Brown, fine grained, massive, medium strength rock, indurated and/or slightly metamorphosed. Defects: -Joint at 10° (2/m) -Joint at 50° (3/m) -Joint at 70° (1-2/m) Defects are close to mainly medium spaced. Defect surfaces are planar, tight, slightly rough, clay infilled, iron stained. Clayey zones present up to 250mm. Occasional fine pebbles.	MW					J, 50°, Pl, T, SR, Clnf HFZ, Clnf XW Clay Seam HFZ, Clnf J, 70°, Pl, T, SR, Clnf J, 80°, Pl, S, T, Clnf J, 50°, Pl, T, Clnf XW Clay Seam Cly BZ Cly BZ J, 20°, Pl, T, S, Cn Cly BZ J, 50°, Pl, T, S, Clnf Is(50) = 0.73MPa Is(50) = 0.58MPa J, 40°, Pl, O, Clnf Is(50) = 0.31MPa Is(50) = 1.60MPa J, 40°, Pl, T, S, Clnf DD = 2.49/m ³ , MC = 2%; UCS = 13.6MPa J, 10°, Pl, T, R, Clnf J, 20°, Pl, O, SR, Clnf J, 10°, Pl, O, Clnf J, 10°, Pl, O, SR, Clnf Is(50) = 1.08MPa Is(50) = 1.11MPa Clay Seam Crushed QZ Seam, 50° Cly BZ J, 10°, I, O, SR, FeSt J, 10°, Pl, O, SR, FeSt Cly BZ J, 50°, Pl, T, Clnf Is(50) = 1.69MPa Is(50) = 0.86MPa BZ J, 30°, Pl, T, S, Clnf J, 20°, Pl, T, FeSt	x o x o x o x o
	79.20		100			Borehole terminated at 8m							

QLD_DMR_LIB_01A.GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46952.CDW DwgNo: 46952 Date: 12/12/2011 16:28

REMARKS _____ LOGGED BY JA/DC

CORE PHOTO LOG - BH C17

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 7	Start Depth (m):	1.50
Reference No.:	H11110	Finish Depth (m):	8.00



SCALE 1:5