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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C05

SHEET 1 of 1

REFERENCE No H11198

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 2 COORDINATES 473324.5 E; 7088431.7 N

PROJECT No FG5799 SURFACE R.L. 84.20m PLUNGE DATE STARTED 07/09/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 07/09/11 DRILLER Cairns Drilling Contract

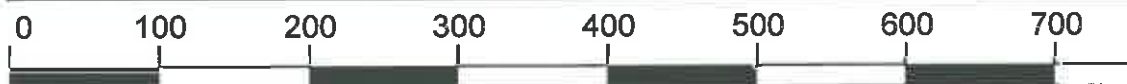
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	84.20												
0	84.05					TOPSOIL: Brown, moist, clayey silt.	(ML)						
						Gravelly Silty CLAY (Residual): Mottled orange/brown, moist. Gravel portion is less than 4.75mm.	(CI)					Based on driller's logs only	
1	83.30				A	METASILTSTONE (XW): Generally exhibits engineering properties of a brown/grey, moist, fine grained, hard, low plasticity clayey gravel.	XW					7,11,23 N=34	SPT
2	82.10				B	METASILTSTONE (HW): As above.	HW					30/100 N>50	SPT
3	81.20		(0)			METASILTSTONE (SHEAR ZONE) (HW): Grey, fine grained, sheared throughout, very low to low strength. Defects: -Clay seams up to 50mm -Broken and sheared throughout Defect spacing is generally very close. Defect surfaces are irregular, closed or tight, clay infilled, occasional quartz veining.	HW				Clay Seam Clay Seam QZ vein Clay Seam Clay Seam Clay Seam		
4	79.80		100 (9)			BASALT (MW): Dark brown, fine grained, massive, high to very high strength. Defects: -Joint at 65° (1/m) -Silicious infill in fractures Defect spacing is medium. Defect surfaces are closed and quartz infilled.	MW				J, 60°, Pl, C, QZ	Is(50) = 3.14MPa	x
5	79.04					METASILTSTONE (SHEAR ZONE) (HW): Grey, fine grained, generally low to medium strength. -Clay seams up to 50mm -Broken and sheared throughout Defect spacing is very close. Defect surfaces are irregular, closed or tight, clay infilled, occasional quartz veining.	HW				Clay Seam, 20° Clayey Seam Dyke? dark grey		
6			100 (0)									Is(50) = 0.31MPa Is(50) = 0.24MPa	x o
7	76.70					Borehole terminated at 7.5m							
8													
9													
10													

REMARKS

LOGGED BY
JA/DC

CORE PHOTO LOG - BH C5

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	20/09/2011
Details:	Cut 2	Start Depth (m):	3.00
Reference No.:	H11198	Finish Depth (m):	7.50



SCALE 1:5