Queensland Government

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C15
SHEET 1 of 2
REFERENCE No H11108

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 6 COORDINATES 472788.6 E; 7091714.4 N
PROJECT No FG5799 SURFACE R.L. 87.80m PLUNGE DATE STARTED 08/08/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 08/08/11 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 (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	87.80													
	87.60				**TOPSOIL:** Brown, silt.		(ML)							
	87.30				**Clayey SAND (Residual):** Red/brown.		(SC)							
1				A	**SANDSTONE (HW):** Red/grey, fine to medium grained, massive, extremely low to low strength with medium strength bands. Defects: -Clayey seams throughout up to 300mm. -Joint at 10° (1/m) -Joint at 30° (2/m) -Joint at 70° (1/m)							Based on driller's logs only 27,HB N>50		SPT
2			(7)		Defect spacing is mainly extremely close to close. Defect surfaces are planar, open or tight, slightly rough, clay infilled.							J, 20°, Pl, C, CInf Is(50) = 0.75MPa Is(50) = 0.64MPa		x o
3					Occasional subangular pebbles up to 10mm.			HW				Clayey Seam Clayey Seam Clayey Seam		
4			100 (20)									Clayey Seam		
	82.05		100									Is(50) = 0.63MPa Is(50) = 0.63MPa Clayey Seam		x o
5												Clay Seam Clayey Seam Clayey Seam Clayey Seam Clayey Seam		
	80.90		(0)		**SILTSTONE (HW):** Grey/brown, fine grained, massive, very low strength. Defects: -Joint at 30°-40° (2-3/m) -Joint at 80° (1/m) Defect spacing is close. Defect surfaces are planar, tight or close, smooth, clay infilled.			HW				J, 80°, Pl, T, CInf J, 20°, Pl, T, CInf		
7			100 (21)		**SANDSTONE (HW):** Grey/brown, fine to medium grained, massive, very low to mainly low strength. Defects: -Clayey seams throughout up to 300mm. -Joint at 10° (1/m) -Joint at 30° (2/m) -Joint at 70° (1/m)							J, 40°, Pl, T, S, FeSt Clayey Seam Clayey Seam Is(50) = 0.24MPa Is(50) = 0.23MPa Is(50) = 0.46MPa Clayey Seam Clayey Seam		x x o
8								HW						
9			100 (10)		Defect spacing is extremely close to close. Defect surfaces are planar, open or tight, slightly rough, clay infilled. Occasional subangular pebbles up to 10mm.							J, 60°, I, T, FeSt J, 60°, Pl, T, S, FeSt		
10												Is(50) = 0.09MPa		x

REMARKS

LOGGED BY JA/DC

QLD_DMR_LIB_01A.GLB Log A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46352.GDW Datgel CPT Tool gINt Add-In 12/12/2011 16:28

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10	77.80												
	77.55		100		**SANDSTONE (HW):** Cont'd	: : :		HW				J, Subvertical, Pl, T, S, FeSt	
					Borehole terminated at 10.25m								

REMARKS

LOGGED BY JA/DC

QLD_DMR_LIB_01A.GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.GPJ DWG46352.GDW Datgel CPT Tool.gINt Add-in 12/12/2011 16:28

DEPARTMENT OF TRANSPORT & MAIN ROADS
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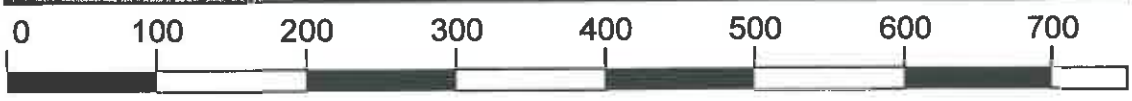
Queensland Government

CORE PHOTO LOG - BH C15

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 6	Start Depth (m):	2.00
Reference No.:	H11108	Finish Depth (m):	10.25



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