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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C18
SHEET 1 of 2
REFERENCE No H1111

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 7 COORDINATES 472710.7 E; 7092221.7 N
PROJECT No FG5799 SURFACE R.L. 93.10m 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)	AUGER 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
										LT	LV	HT	HL	20	60	200			
0	93.10					TOPSOIL: Brown, silt.													
	92.90					Silty SAND (Residual): Light brown, dense.		(SM)											
	92.40				A	SANDSTONE (HW): Brown, fine to medium grained.		HW									Based on driller's logs only 15,30/100 N>50	SPT	
1																			
2	91.10		(47)			SANDSTONE (MW): Brown, fine to medium grained, massive, mainly high strength, indurated and/or slightly metamorphosed.													
						Defects: -Joint at 25° (2/m) -Joint at 50°-60° (2/m) -Joint at 70°-80° (<1/m)													
			100 (38)			Defect spacing is generally medium. Defect surfaces are planar, tight or open, rough, clay infilled, iron stained.													
						Pebble occurrence in bands and throughout. Pebble fraction is subrounded to sub angular sizing up to 20mm.													
3																			
4																			
5																			
6			100 (87)					MW											
7																			
8																			
9			100 (38)																
10																			

QLD_DMR_LIB_01A_GLB_Log_A_ENGINEERING_BOREHOLE_LOG_W_LITHOLOGY_FG5799-BRUCE HWY UPGRADE SECTION C.GPJ_DWG46852.GDW_Datapl CPT Tool (Int Add-In 12/12/2011 16:28

REMARKS _____

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BOREHOLE No BH C18
SHEET 2 of 2
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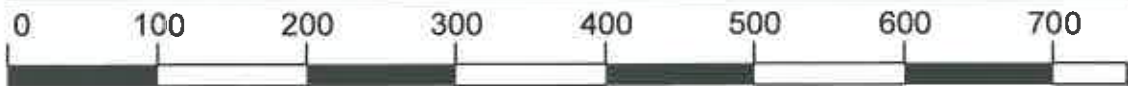
DEPTH (m)	R.L. (m)	AUGER WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
										EH	VH	I	M	J	V				
10	83.10					SANDSTONE (MW): Cont'd											J, 70°, Pl, T, SR, Clnf, FeSt DD = 2.52t/m ³ , MC = 1.5%; UCS=27.9MPa Is(50) = 1.36MPa Is(50) = 2.69MPa J, 50°, Pl, T, Clnf, FeSt J, 35°, Pl, T, Clnf, FeSt J, 70°, Pl, T, Clnf, FeSt J, 30°, Pl, T, Clnf, FeSt J, 30°, Pl, T, Clnf, FeSt J, 70°, Pl, T, Clnf, FeSt J, 70°, Pl, T, Clnf, FeSt	UCS x o	
11																			
12	80.60		100 (27)	100		Borehole terminated at 12.5m													
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			

REMARKS _____

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CORE PHOTO LOG - BH C18

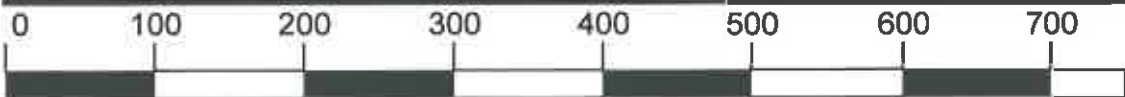
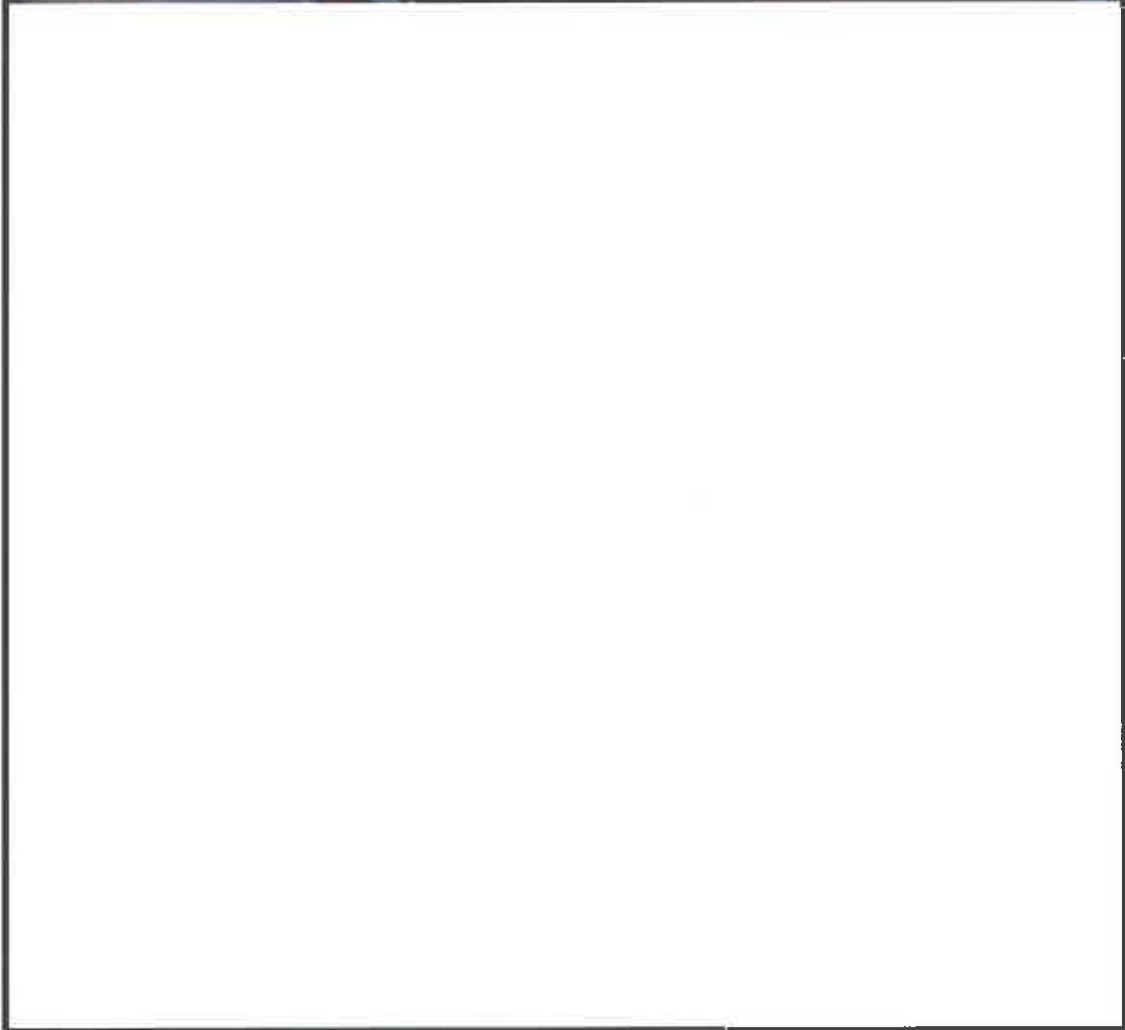
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 7	Start Depth (m):	2.00
Reference No.:	H11111	Finish Depth (m):	12.50



SCALE 1:5

CORE PHOTO LOG - BH C18

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 7	Start Depth (m):	2.00
Reference No.:	H11111	Finish Depth (m):	12.50



SCALE 1:5