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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C12
SHEET 1 of 2
REFERENCE No H11046

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 5 COORDINATES 472894.6 E; 7091125.5 N
PROJECT No FG5799 SURFACE R.L. 85.20m PLUNGE _____ DATE STARTED 28/06/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 28/06/11 DRILLER Drillsure Pty Ltd

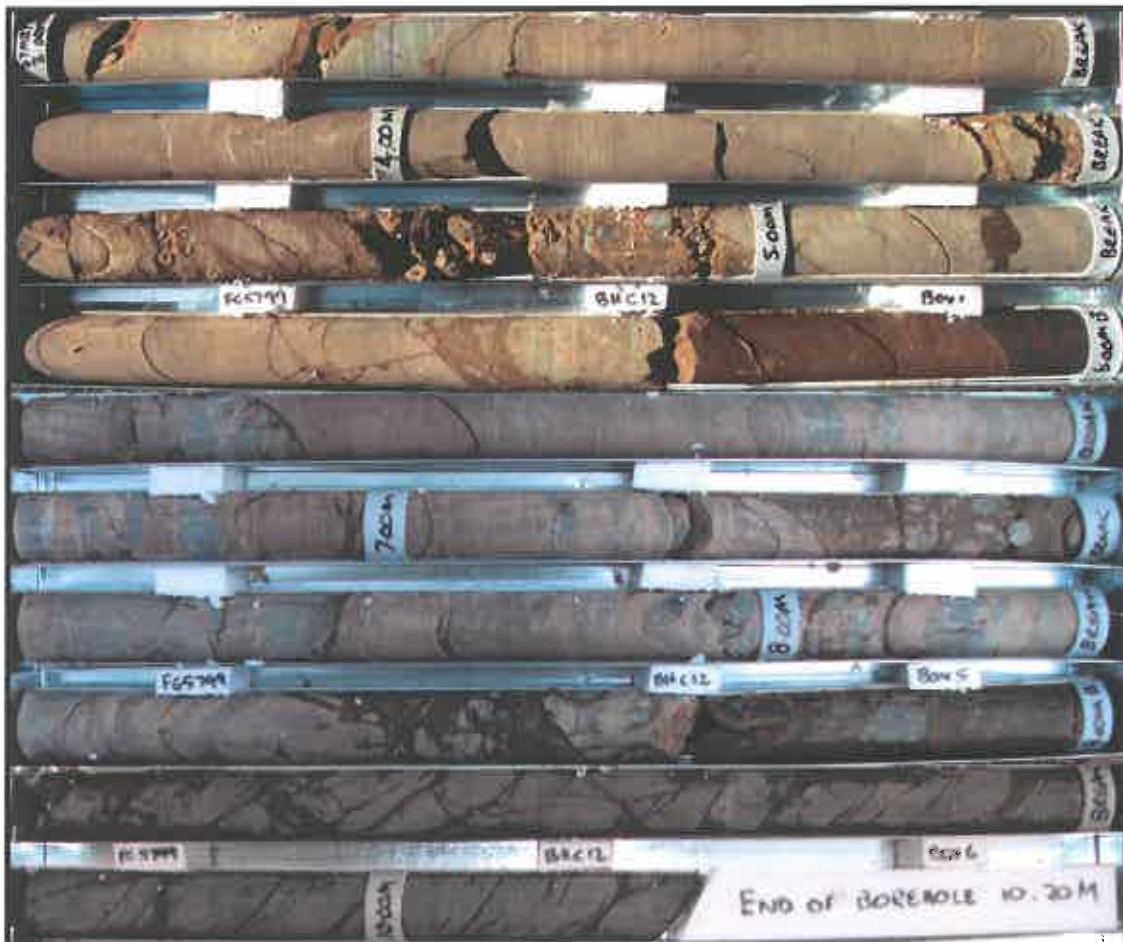
DEPTH (m)	R.L. (m)	AUGER Casing WASH BORING CORE DRILLING	RQD () %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
0	85.20												
	85.00				TOPSOIL: Grey, slightly gravelly. Silty CLAY (Residual): Mottled grey/brown, slightly gravelly.		(CI)				- Based on driller's logs only.		
1	84.05			A	SILTSTONE (XW): Generally exhibits engineering properties of a mottled grey/brown, moist, very stiff to hard, high plasticity, gravelly silty clay. Gravel up to 20mm.	XW					8,8,8 N=16	SPT	
2				B							10/5 N>50; No recovery	SPT	
3	82.20		(87)		SILTSTONE (MW): Brown, fine grained, subtly foliated, high strength, indurated and/or slightly metamorphosed. Defects: -Foliation parting at 40°-45° (5-6/m) -Joint at 20° (<1/m) -Joint at 35° (<1/m) -Joint at 65° (<1/m) -Joint at 90° (<1/m)	MW				FP, 45°, Pl, T, SR, Cinf	Is(50) = 2.05MPa Is(50) = 1.46MPa	x o	
4			100 (47)										
5			100 (78)		Defects are generally medium spaced. Defect surfaces are planar, open or tight, smooth, clay infilled.						Clayey Zone BZ Clayey Zone		
6	79.20		100 (87)		SILTSTONE (SW): Grey, fine grained, subtly foliated, high to very high strength. Indurated and/or slightly metamorphosed. Defects: -Foliation parting at 40°-45° (4/m) -Joint at 20° (<1/m) -Joint at 60° (2/m) Defect spacing is medium. Defect surfaces are planar, tight, smooth, clay infilled.	SW					Rhyolite?	Is(50) = 7.22MPa Is(50) = 2.89MPa DD = 2.60t/m³, WD = 2.64t/m³, MC = 2%; UCS=5.9MPa	x o UCS
7			100 (64)										
8													
9			100 (60)										
10													

REMARKS _____

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JA/DC

CORE PHOTO LOG - BH C12

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 5	Start Depth (m):	3.00
Reference No.:	H11046	Finish Depth (m):	10.20



SCALE 1:5