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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C37

SHEET 1 of 2

REFERENCE No H11127

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 9 COORDINATES 471765.8 E; 7094537.3 N

PROJECT No FG5799 SURFACE R.L. 77.10m PLUNGE DATE STARTED 21/07/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 21/07/11 DRILLER Drillsure Pty Ltd

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
										EH	VH	H	M	L	VL	EL	20	60	200	600	2000		
0	77.10					TOPSOIL																	
	76.90					Clayey SILT (Residual): Mottled brown, dry, low plasticity, slightly gravelly.																	
	76.20					SANDSTONE (HW): Brown, medium grained. Iron staining throughout.																	
1					A																		
2																							
	74.45			(0)		SANDSTONE (MW): Grey, medium to coarse grained, massive, medium to high strength, indurated and/or slightly metamorphosed.																	
3				82 (0)		Defects: -Joint at 5°-10° (1/m) -Joint at 20°-25° (~4/m) -Joint at 40°-45° (1/m) -Joint at 60°-65° (1/m) -Joint at 80°-85° (1/m)																	
4				100 (7)		Defect spacing is extremely close to close. Defect surfaces are generally irregular, tight or open, slightly rough, clay infilled.																	
5						Pebble clasts up to 20mm throughout.																	
6				100 (0)																			
7				100 (10)																			
8				100 (0)																			
9				100 (7)																			
10																							

REMARKS

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C37
SHEET 2 of 2
REFERENCE No H11127

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 9 COORDINATES 471765.8 E; 7094537.3 N
PROJECT No FG5799 SURFACE R.L. 77.10m PLUNGE _____ DATE STARTED 21/07/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 21/07/11 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
10	67.10		100 (19)		SANDSTONE (MW): Cont'd						BZ J, 80°, I, C, FeSt	
11			100 (0)				MW				Is(50) = 3.22MPa Is(50) = 5.10MPa	x o
12			100 (32)								BZ HFZ	
13	63.90		100 (0)		SANDSTONE (SW): Grey, fine grained, massive, very high strength, indurated and/or slightly metamorphosed.						XW Clay Seam	
14			100 (0)		Defects: -Joint at 25°-30°(1/m) -Joint at 45°-50° (2/m) -Joint at 65° (2/m)		SW				Is(50) = 6.37MPa DD = 2.63t/m ³ , MC = 0.6%; UCS=42.1MPa	o UCS
15			100		Defect spacing is close to medium. Defect surfaces are planar or irregular, tight or closed, rough, iron stained or clay infilled.						J, 45°, Pl, O, Clnf J, 65°, Pl, O, SR, FeSt, Clnf J, 65°, Pl, O, SR, FeSt, Clnf	
16	61.35				Borehole terminated at 15.75m							
17												
18												
19												
20												

REMARKS _____

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CORE PHOTO LOG - BH C37

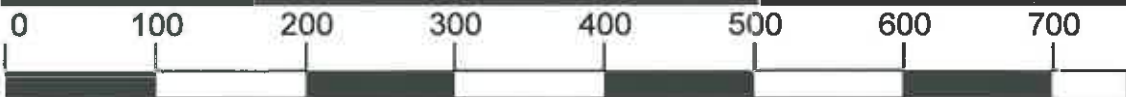
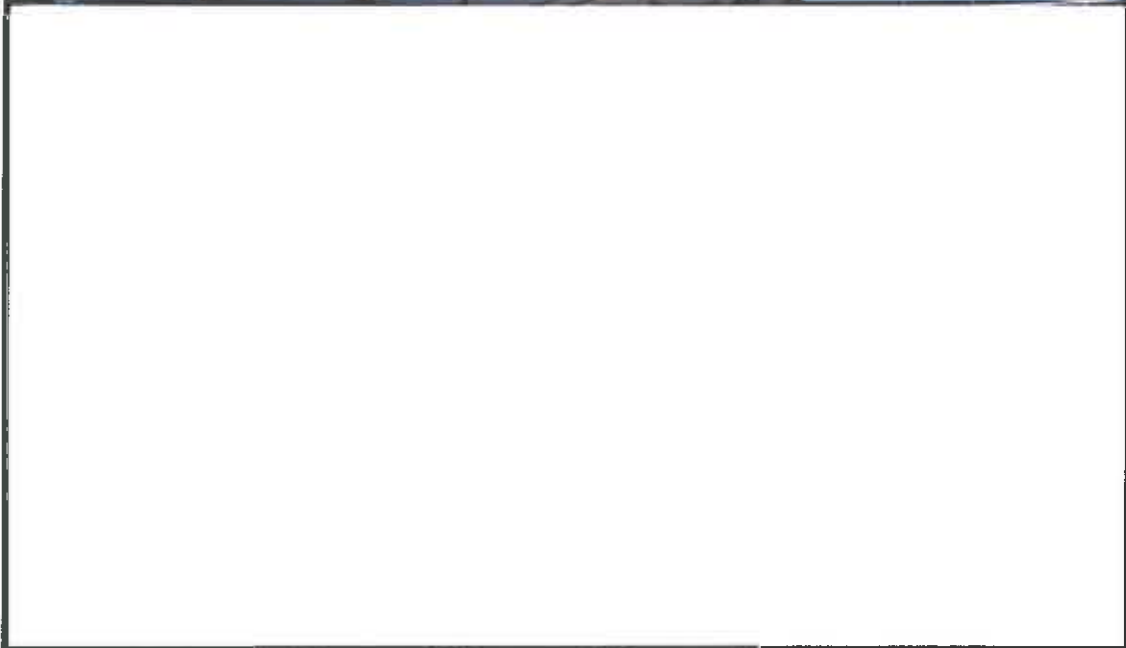
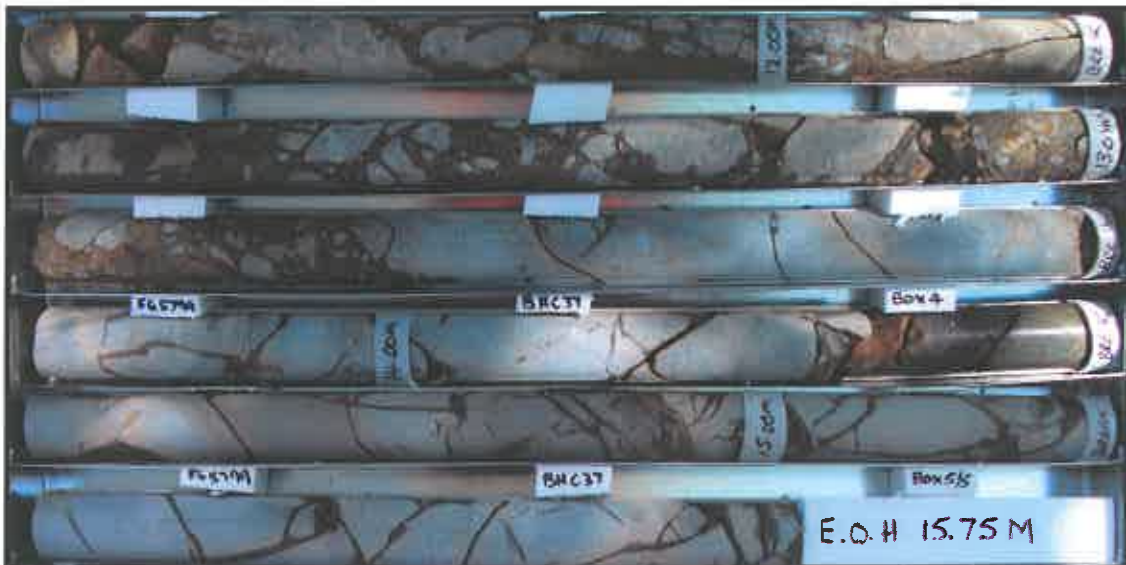
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 9	Start Depth (m):	2.50
Reference No.:	H11127	Finish Depth (m):	15.75



SCALE 1:5

CORE PHOTO LOG - BH C37

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 9	Start Depth (m):	2.50
Reference No.:	H11127	Finish Depth (m):	15.75



SCALE 1:5