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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C59
SHEET 1 of 2
REFERENCE No H11141

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 16 COORDINATES 470470.5 E; 7097560.9 N
PROJECT No FG5799 SURFACE R.L. 78.10m PLUNGE _____ DATE STARTED 17/08/11 GRID DATUM MGA84
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 18/08/11 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	78.10		CORE REC %									
0.77.70					TOPSOIL: Pale grey, dry, clayey silt.	(ML)						
1				A	Gravelly SILT (Residual): Brown/grey, dry, low plasticity, very stiff.	(ML)					Based on driller's logs only	
2											10, 12, 11 N=23	SPT
3	75.60			R	SANDSTONE (XW): Brown, fine grained.	XW					30/80 N>50	SPT
3	75.30		(36)		SANDSTONE (MW): Grey/brown, fine grained, massive, mainly high to very high strength, indurated and/or slightly metamorphosed. Contains prominent siltstone interbeds.						Is(50) = 0.61MPa Is(50) = 2.29MPa	x o
4			100 (40)		Defects: -Joint at 40° (3-4/m) -Joint at 70° (2/m) -Joint at subvertical (<1/m)						J, 40°, Pl, T, S, Clnf J, 30°, Pl, O, S, FeSt J, 20°, Pl, O, SR, FeSt J, 20°, Pl, O, SR, Clnf	
5			100 (73)		Defect spacing is medium. Defect surfaces are planar, tight, smooth, clay infilled, iron stained.						J, 40°, Pl, SR, FeSt Is(50) = 1.63MPa Is(50) = 7.42MPa	x o
6			100 (54)			MW					J, 70°, Pl, O, S, FeSt J, 40°, Pl, O, Clnf, 10mm Is(50) = 4.15MPa Is(50) = 8.03MPa	x o
7			100 (70)								J, 60°, Pl, O, R, FeSt J, 70°, Pl, T, S, FeSt J, 40°, I, O, R, FeSt	
8											Is(50) = 1.65MPa Is(50) = 0.90MPa DD = 2.51t/m², MC = 1.7%, UCS=13MPa	x UCS
9			100 (30)								J, 40°, Pl, O, R, FeSt	
10											Is(50) = 0.29MPa Is(50) = 2.54MPa	x o

REMARKS _____

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ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C59

SHEET 2 of 2

REFERENCE No **H11141**

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 16 COORDINATES 470470.5 E 7097560.9 N

PROJECT No FG5799 SURFACE R.L. 78.10m PLUNGE _____ DATE STARTED 17/08/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 18/08/11 DRILLER Drillsure Pty Ltd

QLD_DMR_LIB_01A.GLB Log A ENGINEERING BOREHOLE LOG W/LITHOLOGY FG5789 - BRUCE HWY UPGRADE SECTION C.GPJ DWG348352.GDW Datgcl CPT Tool gNt Add-in 12/12/2011 16:30

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CORE PHOTO LOG - BH C59

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 16	Start Depth (m):	2.80
Reference No.:	H11141	Finish Depth (m):	19.15

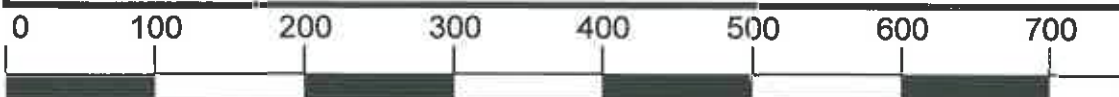
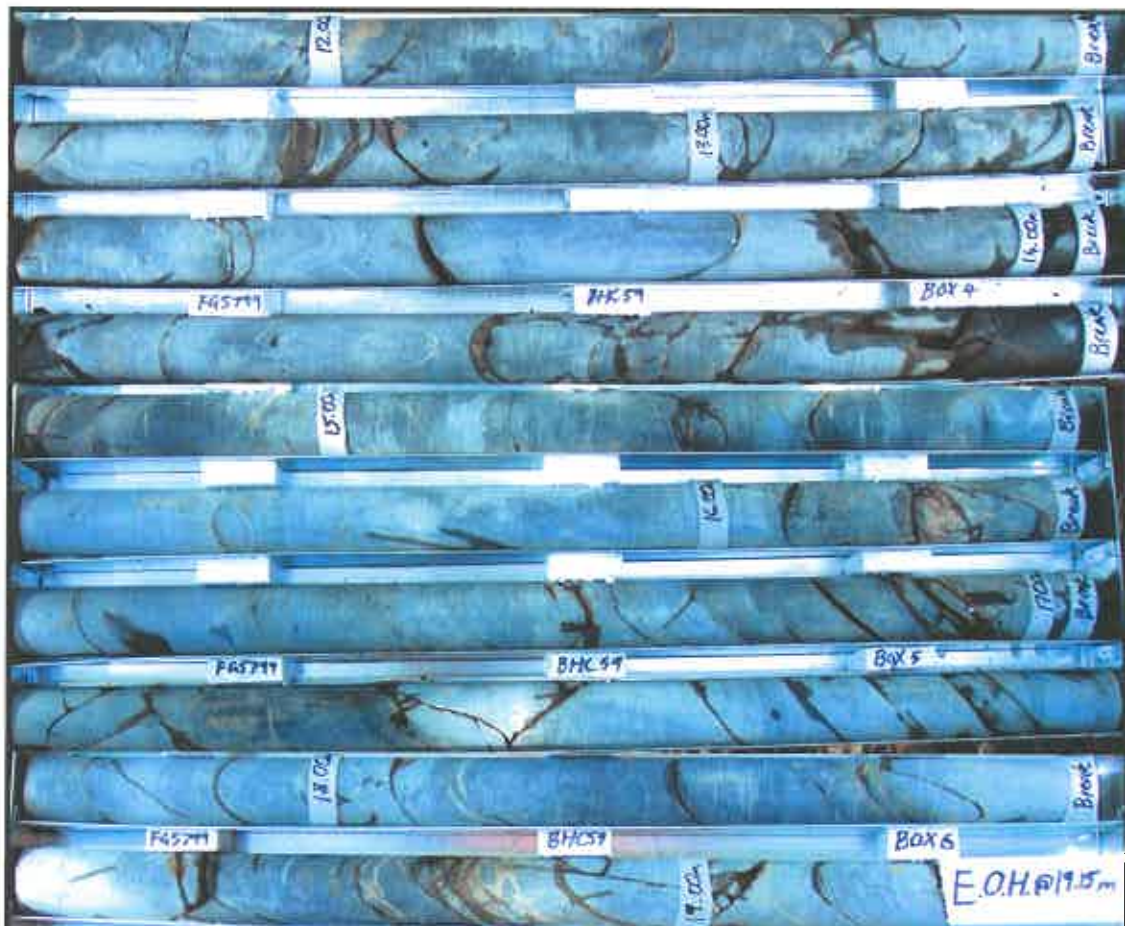


SCALE 1:5



CORE PHOTO LOG - BH C59

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SCALE 1:5