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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C21

SHEET 1 of 3

REFERENCE No H11114

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 7

COORDINATES 472623.2 E; 7092450.5 N

PROJECT No FG5799

SURFACE R.L. 100.70m

PLUNGE         

DATE STARTED 03/07/11

GRID DATUM MGA94

JOB No 232/10A/2

HEIGHT DATUM AHD

BEARING         

DATE COMPLETED 03/07/11

DRILLER Caims 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
0	100.70													
100.50						<b>TOPSOIL:</b> Gravelly Silty SAND (Residual): Brown/orange, dry, dense.		(SM)						
99.90					A	<b>SANDSTONE (HW):</b> Yellow/grey, fine to medium grained.		HW				Based on driller's logs only 19,30,HB N>50		SPT
98.70						<b>SANDSTONE (MW):</b> Brown/becoming slightly grey with depth, fine to medium grained, massive, medium to high strength, indurated and/or slightly metamorphosed.								
			(25)			Defects: -Joint at 20° (1/m) -Joint at 40° (3/m) -Joint at 70° (1/m)						J, 40°, Pl, T, R, Clnf J, 30°, Pl, T, Clnf J, 60°, Pl, T, Clnf		L
			100 (14)			Defect spacing is generally close to medium. Defect surfaces are planar, tight, slightly rough, clay infilled, iron stained.						J, 50°, Pl, T, S, Thinly Clnf J, 40°, Pl, T, S, Clnf J, 40°, Pl, T, S, Clnf J, 40°, Pl, T, S, Clnf	Is(50) = 0.45MPa Is(50) = 0.52MPa Is(50) = 0.70MPa	x o
			100 (9)									J, 40°, Pl, T, S, Clnf J, 80°, Pl, O, Clnf, 10mm CLy BZ		
			100 (7)					MW				J, 80°, I, T, R, Clnf CLy BZ HW Zone	Is(50) = 1.38MPa	x
			100 (15)									J, 10°, Pl, O, SR, Clnf, FeSt J, 30°, Pl, T, S, FeSt J, 60°, Pl, T, FeSt CLy BZ	Is(50) = 3.32MPa	x
			100 (7)									J, 70°, Pl, T, Clnf, FeSt CLy BZ		
												J, 50°, Pl, T, Clnf		

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 - Digital CPT Tool gIN Add-In 12/12/2011 16:29



# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C21  
SHEET 3 of 3  
REFERENCE No H11114

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
LOCATION Cut 7 COORDINATES 472623.2 E; 7092450.5 N  
PROJECT No FG5799 SURFACE R.L. 100.70m PLUNGE \_\_\_\_\_ DATE STARTED 03/07/11 GRID DATUM MGA94  
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 03/07/11 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
20	80.70					SANDSTONE (MW): Cont'd		MW					J, 60°, Pl, SR, Cmt, FeSt		
	80.45			100		Borehole terminated at 20.25m									
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															

REMARKS \_\_\_\_\_

LOGGED BY  
JA/DC

**CORE PHOTO LOG - BH C21**

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 7	Start Depth (m):	2.00
Reference No.:	H11114	Finish Depth (m):	20.25



SCALE 1:5



## CORE PHOTO LOG - BH C21

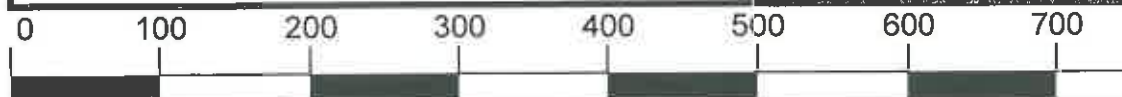
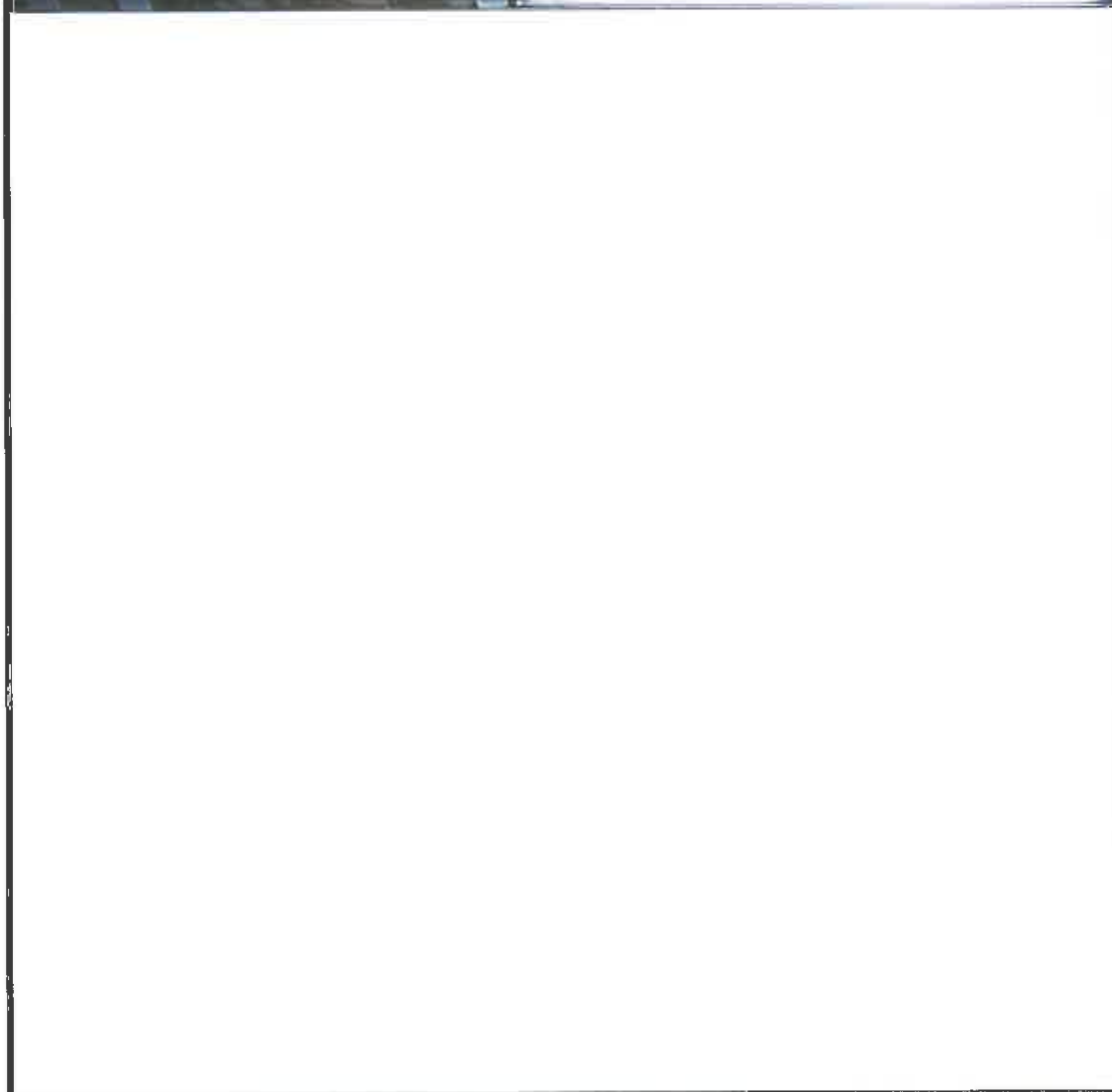
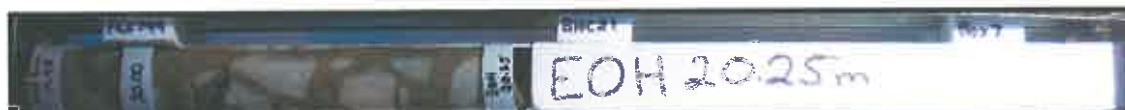
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SCALE 1:5

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SCALE 1:5