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**Queensland  
Government**

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Main Roads

# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/5-2009

BOREHOLE No BH031

SHEET 1 of 2

REFERENCE No H10653

PROJECT BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION

LOCATION Cudgerie Drive Underpass COORDINATES 487773.6 E; 7080494.7 N

PROJECT No FG5825 SURFACE R.L. 118.04m PLUNGE          DATE STARTED 30/11/09 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING          DATE COMPLETED 30/11/09 DRILLER R & D Drilling

DEPTH (m)	R.L. (m)	AUGER CASING 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	LM	JL	EL				
0	118.04					<b>CLAY</b> Mottled red grey, moist, stiff to very stiff												
					A													U50
1	117.04		(100)			<b>SANDSTONE (XW):</b> Pale grey with distinctive orange mottling, fine- coarse grained, some sub angular gravels. Exhibits engineering properties of clayey Sand.												
2			100			1.0 - 1.75m: Iron cemented.												
						1.6 - 1.97m: Increase in gravel content (~30%).	XW											
3			79			3.23 - 3.28m: Increase in gravel content (~20%).												
	114.54					<b>Poorly Consolidated CONGLOMERATE (XW):</b> Yellow-orange, fine to coarse grained gravels, rounded to sub rounded, high clay content. Exhibits engineering properties of sandy clayey Gravel.												
4			79				XW											
	113.44					<b>SILTSTONE (HW):</b> Pale grey with dark red mottling, very fine grained iron cementing in parts.												
5			100			4.72 - 4.9m: XW Conglomerate bed.												
6						7.25m: Becoming pale brown with patches of grey.												
7			100			8.00m: Defects typically wide to very wide spacing. Defects generally 60°, defect surfaces clean.	HW											
8			100															
9																	Jt, 60°, Pl, S, C, Cn	
																	Rehealed Jt, 65°, Pl, C	
																	Jt, 45°, Pl, S, C, Cn	
10	108.04		100			(See over)												

REMARKS         

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										EH	VH	H	M	J	VL	EL	20	60	200	600	2000	
10	108.04					<b>SILTSTONE (HW): (Cont'd)</b> (As above)																
11				100					HW													
12				100																		
105.39				100																		
13						Borehole terminated at 12.64m																
14																						
15																						
16																						
17																						
18																						
19																						
20																						

REMARKS \_\_\_\_\_

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Project: **Bruce Hwy Upgrade Cudgerie Drive Underpass**  
Borehole No: **BH 31**  
Start Depth: **1.00m**  
Finish Depth: **12.64m**  
Project No: **FG5825**  
H No: **H10653**



SCALE 1:5

F:GEOT043/1

Project: **Bruce Hwy Upgrade Cudgerie Drive Underpass**  
Borehole No: **BH 31**  
Start Depth: **1.00m**  
Finish Depth: **12.64m**  
Project No: **FG5825**  
H No: **H10653**



SCALE 1:5

F:GEOT043/1