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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH107

SHEET 1 of 2

REFERENCE No H10677

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

LOCATION Cut 17 COORDINATES 483196.2 E; 7081049.5 N

PROJECT No FG5825 SURFACE R.L. 120.26m PLUNGE DATE STARTED 8/2/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 8/2/10 DRILLER Drillsure

DEPTH (m)	R.L. (m)	CUTTER CORING 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	FM	JL	EL	20	60	200	600			
0	120.26					Clayey SILT (Residual?) Brown to mottled red, moist, firm to stiff.													
0.5					A	Intermediate plasticity	(MI)											1,2,2 N=4	SPT
1.5					B													4,7,7 N=14	SPT
2.5	118.16				C	PHYLLITE (XW): Generally exhibits the engineering properties of mottled red and grey, moist, hard, gravelly Silt.	XW											25,35/35mm N>50	SPT
3.5	117.26		(16)			PHYLLITE (MW): Light brown, fine grained, foliated.													
4.0			100	(17)		Defects are generally medium spaced. Prominent defect set dipping parallel to foliation with other sets at 20°, 45° and subvertical. Defects surfaces are typically clay infilled or iron stained.													
5.0			100	(0)															
6.0			100	(16)			MW												
7.0																			
8.0			83	(64)															
9.0			100	(81)															
9.5																			
9.8																			
10.0																			

REMARKS _____

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ENGINEERING BOREHOLE LOG

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BOREHOLE No BH107

SHEET 2 of 2

REFERENCE No H10677

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

LOCATION Cut 17 COORDINATES 483196.2 E; 7081049.5 N

PROJECT No FG5825 SURFACE R.L. 120.26m PLUNGE DATE STARTED 8/2/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING DATE COMPLETED 8/2/10 DRILLER Drillsure

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	J	VL					EL
10	110.26					PHYLLITE (Cont'd) MW:											CLy zone BZ CLy HW zone CLy HW zone	Is(50) = 0.15MPa Is(50) = 0.04MPa Is(50) = 0.16MPa Is(50) = 0.55MPa	x o o x
11			100 (26)																
12			100 (44)																
14			100 (25)																
15	105.26		73			Borehole terminated at 15m													
16																			
17																			
18																			
19																			
20																			

REMARKS _____

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Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**

Borehole No: **BH 107**

Start Depth: 3.00m

Finish Depth: 15.0m

Project No: FG5825

H No: 10677



SCALE 1:5

F:GEOT043/1

Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**
Borehole No: **BH 107**
Start Depth: 3.00m
Finish Depth: 15.0m
Project No: FG5825
H No: 10677



SCALE 1:5

F:GEOT043/1