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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 BH111

SHEET 1 of 2

REFERENCE No H10656

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

LOCATION Embankment 10 COORDINATES 486267.5 E; 7080788.4 N

PROJECT No FG5825 SURFACE R.L. 145.35m PLUNGE          DATE STARTED 27/1/10 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING          DATE COMPLETED 27/1/10 DRILLER R & D Drilling

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	145.35											
1	144.35				<b>Gravelly SILT</b> Light brown, dry, loose, friable.	(ML)						
2	142.95			A	<b>PHYLLITE (XW):</b> Generally exhibits the engineering properties of light grey with red iron staining, dry, medium dense gravelly Silt.	XW					4,5,6 N=11	SPT
3			39 (0)		<b>PHYLLITE (HW):</b> Mottled red to pale grey, fine grained, foliated.						Area of large core loss	
4			100 (0)		Foliation is indistinct.						MW band	
5	140.75		100 (0)		Rock is highly fractured with clayey weathered zones throughout.	HW					MW band	
6			70 (0)		<b>PHYLLITE (MW):</b> Light brown, fine grained, foliated.						MW band	
7			100 (0)		Foliation dips at ~10°.							
8	137.70		100 (0)		Defects are generally closely spaced. Prominent defect set parallel with foliation. Defect surfaces are typically clay infilled.	MW					Clayey HW zone, possible shear zone.	
9			100 (16)		<b>PHYLLITE (MW - SW):</b> Dark grey with distinctive brown mottling, fine grained, foliated.							
10	136.01		100 (34)		Foliation dips at 20-30°.	MW-SW						
					Prominent defect set dipping parallel with foliation. Defect surfaces are typically clay infilled or iron stained.							
					<b>RHYOLITE (MW):</b> (See over)	MW						

REMARKS Standpipe piezometer installed at base of hole.

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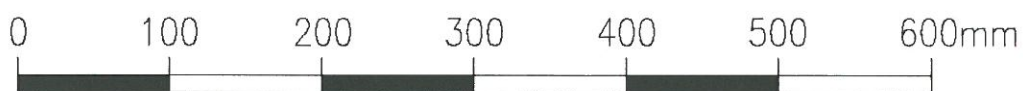
JOB No 128/10A/901 HEIGHT DATUM AHD BEARING        DATE COMPLETED 27/1/10 DRILLER R & D Drilling

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Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**  
Borehole No: **BH111**  
Start Depth: 1.50m  
Finish Depth: 11.9m  
Project No: FG5825  
H No: 10656



SCALE 1:5

F:GEOT043/1

Project: **Bruce Highway Upgrade (Cooroy – Curra) Section A**  
Borehole No: **BH111**  
Start Depth: 1.50m  
Finish Depth: 11.9m  
Project No: FG5825  
H No: 10656



SCALE 1:5

F:GEOT043/1