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# ENGINEERING BOREHOLE LOG

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

BOREHOLE No   BH067    
SHEET   1   of   2    
REFERENCE No   H10629  

PROJECT   BRUCE HIGHWAY (COOROY - CURRA) SECTION A GEOTECHNICAL INVESTIGATION    
LOCATION   Skyring Ck Bridgesite Left of Abut B   COORDINATES   483568.6 E; 7081265.6 N    
PROJECT No   FG5825   SURFACE R.L.   106.50m   PLUNGE        DATE STARTED   11/9/09   GRID DATUM   MGA94    
JOB No   128/10A/901   HEIGHT DATUM   AHD   BEARING        DATE COMPLETED   11/9/09   DRILLER   R & D Drilling  

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	20				60	200
0	106.50					<b>Clayey SILT (RESIDUAL)</b> Red-brown, moist, very stiff to hard, medium to high plasticity.																
0.5					A	Contains fine grained gravel (quartz) in parts.															7,11,15 N=26	SPT
1.5					B																6,10,15 N=25	SPT
2.5					C																8,13,20 N=33	SPT
3.5	103.10				D	<b>PHYLLITE (XW)</b> Exhibits engineering properties of grey-yellow-brown, fine grained, moist, hard silty clay of low to medium plasticity.  Rock fabric visible.															13,18,21 N=39	SPT
4.5					E																8,16,22 N=38	SPT
5.5					F	Becoming wet silty clay.															10,12,21 N=33	SPT
6.5					G	Colour change to light grey, wet, hard silty clay of high plasticity.															7,16,18 N=34	SPT
7.5					H																11,17,30 N=47	SPT
8.5					J																9,27,30/80 N>50	SPT
9.5	97.50		(0)		(MW)	Grey-brown, fine grained, mainly foliated with lamination in parts.  Foliation dip @ 35-50°. Continuous joint.															Jt, 75°, Ir, SR, O, Clay (150mm long)  Jt, 90°, Pl, S, C, Clay (200mm long)	
10	96.50																					

REMARKS \_\_\_\_\_

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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 BH067

SHEET 2 of 2

REFERENCE No H10629

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

LOCATION Skyring Ck Bridgesite Left of Abut B COORDINATES 483568.6 E; 7081265.6 N

PROJECT No FG5825 SURFACE R.L. 106.50m PLUNGE \_\_\_\_\_ DATE STARTED 11/9/09 GRID DATUM MGA94

JOB No 128/10A/901 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 11/9/09 DRILLER R & D Drilling

QLD\_DMR\_LIB\_01\_GLB\_Log\_A\_ENGINEERING\_BOREHOLE\_LOG\_W/LITHOLOGY\_SECTION\_A\_BHS.GPJ DWG66872.GDW Datepl: CPT Tool: gInt Accl: in 12/05/2010 13:47

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	I	M	J	U					EL
10	96.50																		
	96.00		89 (43)			<b>PHYLLITE (MW)</b> (Cont'd) Defects mostly dip at 10°, 30-50°, 70-90°. Defect surfaces are planar, slightly rough and smooth, open to closed with clay and iron stained infill.		MW										Shear zone (XW) Is(50) = 0.49MPa Is(50) = 0.30MPa	x x
11			100 (0)			<b>(MW-SW)</b> Dark grey, fine grained, mainly foliation and laminations in parts.  Defects as above.													
12			100 (37)					MW-SW											
13																			
14			100 (0)																
15	91.60		100			Borehole terminated at 14.9m													
16																			
17																			
18																			
19																			
20																			

REMARKS \_\_\_\_\_

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

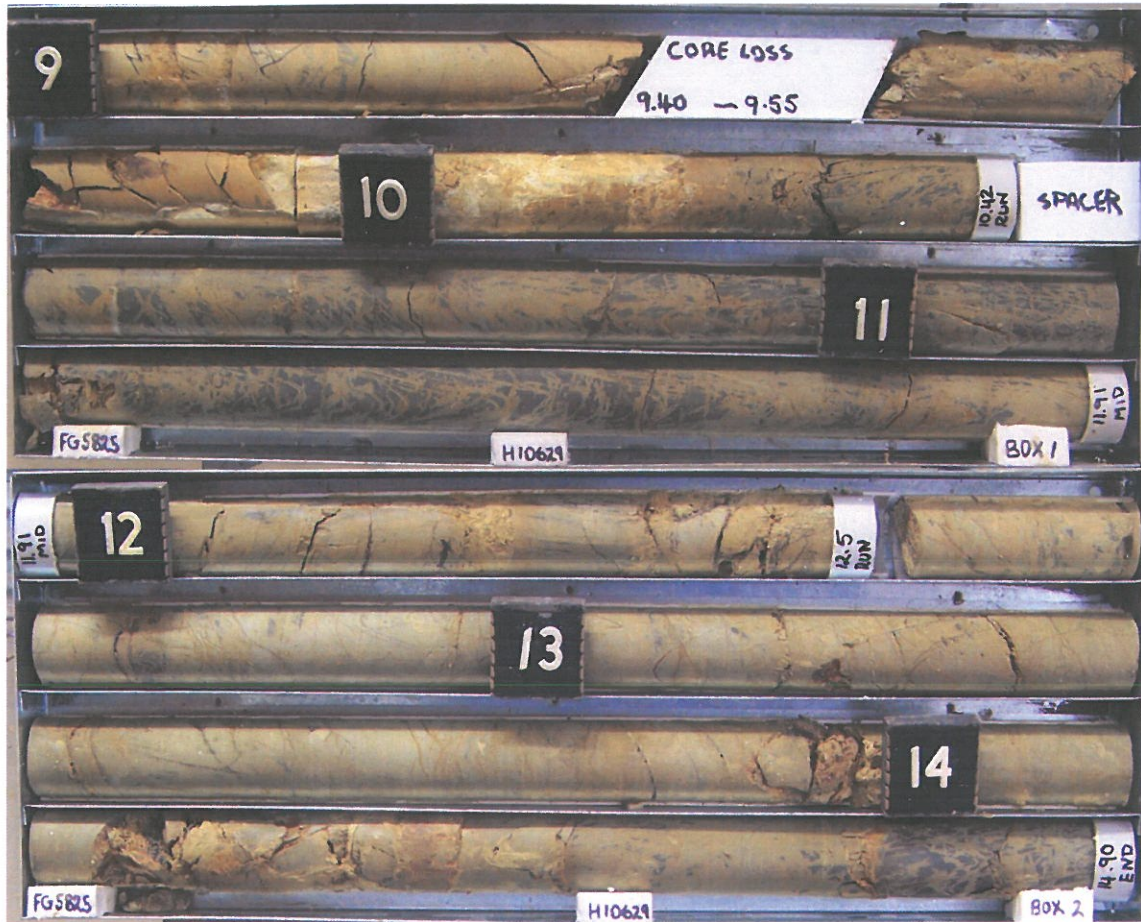
Borehole No: **BH67**

Start Depth: 9.00m

Finish Depth: 14.90m

Project No: FG5825

H No: 10629



SCALE 1:5

F:GEOT043/1