

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

## **LIMITATION OF LIABILITY**

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>

# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C04  
SHEET 1 of 2  
REFERENCE No H11103

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C  
LOCATION Cut 1 COORDINATES 473305.3 E; 7087632.3 N  
PROJECT No FG5799 SURFACE R.L. 78.30m PLUNGE \_\_\_\_\_ DATE STARTED 06/09/11 GRID DATUM MGA94  
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 06/09/11 DRILLER Cairns Drilling Contract

DEPTH (m)	R.L. (m)	AUGER Casing Boring 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	78.30												
0.5	78.05				<b>TOPSOIL:</b> Mottled grey, slightly moist, clayey silt. Minor organics.			(ML)					
1.0	77.30				<b>Gravelly Clayey SILT (Residual):</b> Mottled grey/brown, slightly moist. Gravel portion is less than 4.75mm.			(ML)				Based on drillers logs only	
1.5				A	<b>Silty CLAY (Residual):</b> Brown/grey, moist, very stiff, medium to high plasticity.			(Cl-CH)				5,7,10 N=17	SPT
2.5	75.80												
3.0	75.30			B	<b>METASILTSTONE (XW):</b> Generally exhibits engineering properties of a grey/red/brown, moist, very dense, medium plasticity silty clay. Iron stained throughout.			XW				18,23,30 N>50	SPT
3.5			(0)		<b>METASILTSTONE (SHEAR ZONE) (HW):</b> Brown, fine grained, sheared throughout, very low to low strength with occasional medium strength bands.								
4.0			100 (0)		Defects: -Joints at 10-20° (~5/m) -Joints at 40° (2-3/m) -Joints at 70° (1/m) -Clayey and broken throughout.								
5.0			100 (0)		Defect spacing is very close to close. Defect surfaces are planar or irregular, tight, thickly clay infilled.								
6.0			100 (0)									Is(50) = 0.85MPa	
7.0			100 (17)										
8.0													
9.0													
10.0													

REMARKS \_\_\_\_\_

LOGGED BY  
JA/DC

# ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C04

SHEET 2 of 2

REFERENCE No H11103

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 1 COORDINATES 473305.3 E; 7087632.3 N

PROJECT No FG5799 SURFACE R.L. 78.30m PLUNGE          DATE STARTED 06/09/11 GRID DATUM MGA94

JOB No 232/10A/2 HEIGHT DATUM AHD BEARING          DATE COMPLETED 06/09/11 DRILLER Cairns Drilling Contract

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
10	68.30					METASILTSTONE (SHEARED ZONE)							J, 10°, Pl, T, Clnf		
	68.00		100			(HW): (Cont'd)		HW							
						Borehole terminated at 10.3m									
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															

REMARKS         

LOGGED BY  
JA/DC



## CORE PHOTO LOG - BH C4

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 1	Start Depth (m):	3.00
Reference No.:	H11103	Finish Depth (m):	10.30



SCALE 1:5