

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 C35
SHEET 1 of 3
REFERENCE No H11125

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 9 COORDINATES 471822.0 E; 7094449.8 N
PROJECT No FG5799 SURFACE R.L. 82.80m PLUNGE _____ DATE STARTED 19/07/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/07/11 DRILLER Drillsure Pty Ltd

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	82.80											
0.5	82.50				TOPSOIL: Dark brown.							
1.0				A	Silty CLAY (Residual): Brown, moist, stiff to very stiff, intermediate to high plasticity. Becomes gravelly at ~0.92m. Traces of organics.	(Cl-CH)					8,11,13 N=24	SPT
2.0	80.30			B	SILTSTONE (HW): Brown, fine grained.	HW					30/80 N>50	SPT
3.0	79.90		(0)		SILTSTONE (HW): Brown, fine grained, subtly foliated, generally medium strength.	HW				XW Clay Seam XW Clay Seam		
4.0			100 (0)		Defects: -Joint at 25°-30° (3/m) -Joint at 40° (4/m) -Joint at 70° (<1/m)	HW				CLy BZ	Is(50) = 0.82MPa Is(50) = 0.63MPa	x o
5.0			100 (0)		Defects are generally closely spaced. Defect surfaces are planar, tight or open, smooth, clean or clay infilled.	HW						
6.0	77.20		100 (18)		SANDSTONE (MW): Brown, fine grained, massive, high strength, indurated and/or slightly metamorphosed.	MW				XW Clay Seam		
7.0			100 (0)		Defects: -Joint at 15°-20° (1-2/m) -Joint at 40°-45° (4/m) -Joint at 70° (2/m) -Joint at 80°-85° (2/m)					J, 70°, Pl, T, Clnf J, 70°, I, T, Clnf CLy BZ CLy BZ		
8.0			100 (0)		Defects are generally very close to closely spaced. Defect surfaces are planar, tight or open, smooth, clay infilled or iron stained.					XW Clay Seam BZ		
9.0			100 (0)							CLy BZ	Is(50) = 4.54MPa Is(50) = 10.52MPa	x o
10.0			100							Siltstone Interbed		

REMARKS _____

LOGGED BY
JA/DC

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C35
SHEET 2 of 3
REFERENCE No H11125

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 9 COORDINATES 471822.0 E; 7094449.8 N
PROJECT No FG5799 SURFACE R.L. 82.80m PLUNGE _____ DATE STARTED 19/07/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/07/11 DRILLER Drillsure Pty Ltd

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	72.80														
11															
12	70.65														
13															
14	68.44														
15															
16															
17															
18	64.70														
19	63.83														
20															

REMARKS _____

LOGGED BY
JA/DC

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C35
SHEET 3 of 3
REFERENCE No H11125

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 9 COORDINATES 471822.0 E; 7094449.8 N
PROJECT No FG5799 SURFACE R.L. 82.80m PLUNGE _____ DATE STARTED 19/07/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 20/07/11 DRILLER Drillsure Pty Ltd

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	VL	EL	20	60	200	600	2000		
20	62.80					SILTSTONE (SW): Cont'd																
				100		Defects: ~Joint at 30° (2/m) ~Joint at 50° (3/m) ~Joint at 70° (2-3/m)																
21				(10)		Defects are generally medium spaced. Defect surfaces are planar, tight or open, smooth, clay infilled.																
				100																		
22				(9)																		
23	59.50			100		Borehole terminated at 23.3m																
24																						
25																						
26																						
27																						
28																						
29																						
30																						

REMARKS _____

LOGGED BY
JA/DC



CORE PHOTO LOG - BH C35

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 9	Start Depth (m):	2.90
Reference No.:	H11125	Finish Depth (m):	23.30

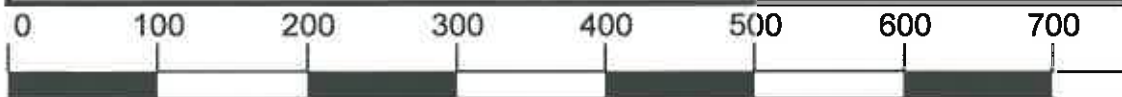


SCALE 1:5



CORE PHOTO LOG - BH C35

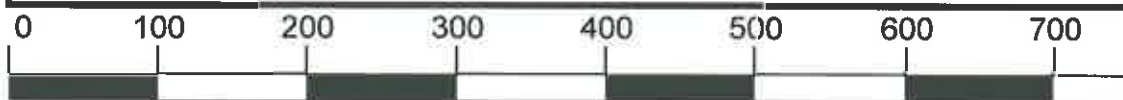
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 9	Start Depth (m):	2.90
Reference No.:	H11125	Finish Depth (m):	23.30



SCALE 1:5

CORE PHOTO LOG - BH C35

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 9	Start Depth (m):	2.90
Reference No.:	H11125	Finish Depth (m):	23.30



SCALE 1:5