

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 C14

SHEET 1 of 2

REFERENCE No H11107

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C

LOCATION Cut 6

COORDINATES 472875.3 E; 7091639.2 N

PROJECT No FG5799

SURFACE R.L. 93.90m

PLUNGE

DATE STARTED 09/08/11

GRID DATUM MGA84

JOB No 232/10A/2

HEIGHT DATUM AHD

BEARING

DATE COMPLETED 09/08/11

DRILLER Cairns Drilling Contract

DEPTH (m)	R.L. (m)	AUGER 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
0	93.90														
0.30	93.70					TOPSOIL:									
0.40	93.40					Clayey SAND (Residual): Brown.			(SC)						
1.00					A	SANDSTONE (HW): Brown/pale grey, fine to medium grained, massive, very low to mainly low strength.							Based on driller's logs only		
1.50						Defects: -Joint at 15° (2/m) -Joint at 35° (1-2/m) -Joint at 80° (<1/m)								30/100 N>50	SPT
2.00					(18)	Defect spacing is generally close. Defect surfaces are planar, closed or tight, rough, iron stained, clay infilled.								Is(50) = 0.16MPa Is(50) = 0.17MPa	x o
3.00					100 (20)	Pebble occurrence in part. Pebble fraction is subangular sizing up to 10mm. Conglomeritic bands sizing up to 450mm.									
4.00															
4.50															
5.00					100 (12)									Is(50) = 0.02MPa Is(50) = 0.03MPa	x o
6.00															
6.50															
7.00					100 (14)									Is(50) = 0.07MPa Is(50) = 0.10MPa	x o
8.00															
9.00															
9.50															
10.00														Is(50) = 0.11MPa Is(50) = 0.37MPa	x o

REMARKS

LOGGED BY
JA/DC

QLD DMR LIB 01A3LB Log A ENGINEERING BOREHOLE LOG W/LITHOLOGY FG5799 - BRUCE HWY UPGRADE SECTION C.G.P.J DWG46352.GDW Date: 12/12/2011 16:28

ENGINEERING BOREHOLE LOG

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

BOREHOLE No BH C14
SHEET 2 of 2
REFERENCE No H11107

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 6 COORDINATES 472875.3 E; 7091639.2 N
PROJECT No FG5799 SURFACE R.L. 93.90m PLUNGE _____ DATE STARTED 09/08/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 09/08/11 DRILLER Cairns Drilling Contract

DEPTH (m)	R.L. (m)	AUGER 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	83.90												
11			100 (20)			SANDSTONE (HW): Cont'd							
12								HW				Is(50) = 0.04MPa Is(50) = 0.16MPa	x o
13			100 (26)									DD = 2.26t/m ³ ; WD = 2.34t/m ³ ; MC = 4%; UCS = 1.9 MPa	UCS
14	79.40		100									DD = 2.24t/m ³ ; WD = 2.34t/m ³ ; MC = 5%; UCS = 2.0 MPa	UCS
15						Borehole terminated at 14.5m						Is(50) = 1.10MPa Is(50) = 0.67MPa	x o
16													
17													
18													
19													
20													

REMARKS _____

LOGGED BY
JA/DC

CORE PHOTO LOG - BH C14

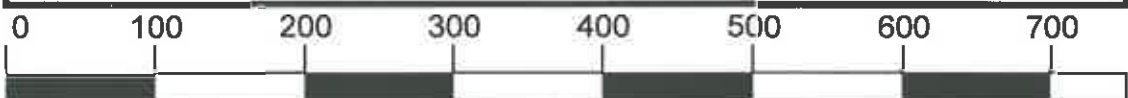
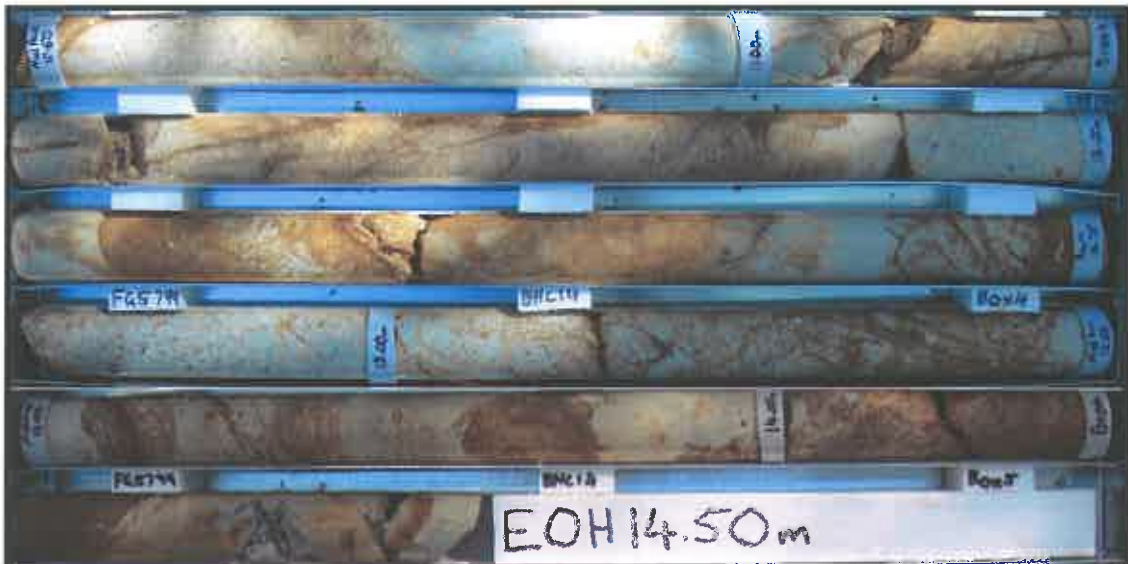
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 6	Start Depth (m):	1.50
Reference No.:	H11107	Finish Depth (m):	14.50



SCALE 1:5

CORE PHOTO LOG - BH C14

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	06/09/2011
Details:	Cut 6	Start Depth (m):	1.50
Reference No.:	H11107	Finish Depth (m):	14.50



SCALE 1:5