

## **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	<u>BH01</u>
SHEET	<u>1</u> of <u>2</u>
REFERENCE No	-----

PROJECT EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION  
 LOCATION Abutment A - LHS (Ch.83866.225) COORDINATES 260949.9 E; 7380631.8 N  
 PROJECT No FG5934 SURFACE R.L. 7.57m PLUNGE \_\_\_\_\_ DATE STARTED 15/8/11 GRID DATUM MGA94 Zone 56  
 JOB No 258/10E/1 HEIGHT DATUM AHD BEARING \_\_\_\_\_ DATE COMPLETED 16/8/11 DRILLER Saxon Drilling 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	VI	IN	N	J	VL				
0	7.57					<b>SILTSTONE</b> Fine grained, thinly laminated sedimentary rock <b>XW:</b> Generally exhibits the engineering properties of yellow brown, moist to dry, hard, sandy clayey silt.													
1					A	Low plasticity.		XW										18,30/130mm N>50	SPT
2					B													30/70mm N>50	SPT
3					C													30/140mm N>50	SPT
4	4.27		(0)			<b>SANDSTONE</b> Fine grained, mainly massive, poorly cemented sedimentary rock <b>HW:</b> Grey to brown, fine grained, massive, very low to low strength rock kernels in brown, moist silty sand.		HW											
5	3.51		(0)			Some feldspathic quartz bands and MW rock kernels. <b>MW:</b> Grey to pale brown, fine grained, massive, medium to mainly high strength.													
6			(0)			Defects: - Lamination partings @ 10-20° (1-5/m) - Joints @ 30-40° (3-10/m) - Joint partings @ 60-70° (2-3/m) - Joints @ 80-90° (1/m)													
7			(0)			Defect surfaces are generally planar, rough, open and iron stained.		MW											
8			100	(18)															
9			100	(43)															
10			100	(33)															
			100	(21)															
			100	(0)				HW											
			100	(0)				MW											
			100	(21)				HW											
			100	(21)				MW											

REMARKS Failures may have been taken place along pre-existing defect plains

LOGGED BY  
MS / AD



# ENGINEERING BOREHOLE LOG

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

BOREHOLE No   BH01    
 SHEET   2   of   2    
 REFERENCE No           

PROJECT   EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION    
 LOCATION   Abutment A - LHS (Ch.83866.225)   COORDINATES   260949.9 E; 7380631.8 N    
 PROJECT No   FG5934   SURFACE R.L.   7.57m   PLUNGE            DATE STARTED   15/8/11   GRID DATUM   MGA94 Zone 56    
 JOB No   258/10E/1   HEIGHT DATUM   AHD   BEARING            DATE COMPLETED   16/8/11   DRILLER   Saxon Drilling 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	-2.43					<b>SANDSTONE MW: (Cont'd)</b>		MW					CLy seam, 20°, 40mm CLy seam, 15°, 30mm	
11	-3.13		100			Borehole terminated at 10.7m								
12														
13														
14														
15														
16														
17														
18														
19														
20														

REMARKS   Failures may have been taken place along pre-existing defect plains  

LOGGED BY **MS / AD**

Project: **EIGHT MILE CREEK BRIDGE (ABUTMENT A)**

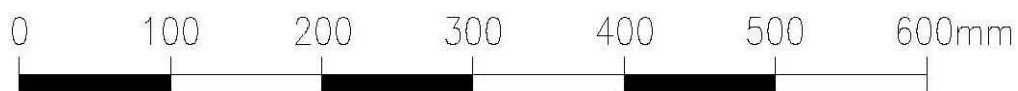
Borehole No: **BH1**

Start Depth: 3.30m

Finish Depth: 10.70m

Project No: FG5934

H No:



SCALE 1:5

F:GEOT043/1