

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/>



**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE LOG

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

PRELIMINARY 21/10/11

BOREHOLE No BH12

SHEET 1 of 1

REFERENCE No _____

PROJECT EIGHT MILE CREEK BRIDGE APPROACH CUT (CH83540 - CH83800) GEOTECHNICAL INVESTIGATION

LOCATION Offset - 7m Right (Ch.83650) COORDINATES 261132.2 E; 7380513.5 N

PROJECT No FG5934 SURFACE R.L. 15.67m PLUNGE -90° DATE STARTED 17/8/11 GRID DATUM MGA94 Zone 56

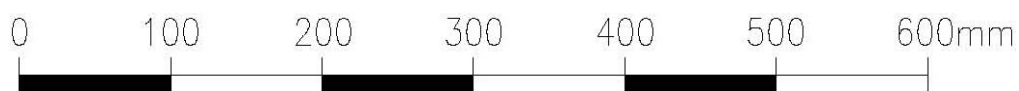
JOB No 258/10E/1 HEIGHT DATUM AHD BEARING _____ DATE COMPLETED 17/8/11 DRILLER Saxon Drilling Pty Ltd

DEPTH (m)	R.L. (m)	UGER CASING WASTE BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	15.67		CORE REC %								
1	14.67			A	Silty Clayey SAND (RESIDUAL) Brown yellow to pale grey, moist, very dense. Fine to medium grained; some gravel and tree roots. Random clayey sandy silt layers.	(SC)				Based on Driller's logs only	
2				B	DIORITE Plutonic, medium to coarse grained, intermediate, crystalline igneous rock XW: Generally exhibits the engineering properties of pale grey to brown, moist, very dense, silty clayey sand.					24,30/120mm N>50	SPT
3				C	Sand fraction is fine grained; some rock kernels.	XW				30/50mm N>50	SPT
4	12.37									30/70mm N>50	SPT
5			100		HW: Grey to yellow brown, medium grained, massive, very low to low strength. Band: 3.60 to 4.00m - Generally exhibits the engineering properties of grey to brown yellow, moist, very dense, clayey silty sand.	HW					
6			100			XW					
7			100			HW					
8			100			XW					
9			100		Band: 5.00 to 5.30m - Generally exhibits the engineering properties of pale yellow to brown, moist, hard, clayey silt.	HW				Is(50)=0.29 MPa	o
10	10.07		100		Low plasticity; some rock kernels.	MW					
11			100		MW: Pale grey to black green, medium grained, massive, medium to high strength.	HW				Is(50)=0.02 MPa	L
12			100		Defects: - Joints @ 30-45° (5/m) - Joints @ 60-75° (3/m)	MW					
13			100		Defect surfaces are generally planar, rough, open, iron stained.	HW				Is(50)=1.52 MPa	L
14	8.22		100			MW					
15					Borehole terminated at 7.45m						

REMARKS _____

LOGGED BY
MS / AD

Project: **EIGHT MILE CREEK BRIDGE**
Borehole No: **BH12**
Start Depth: 3.25m
Finish Depth: 7.45m
Project No: FG5934
H No:



SCALE 1:5

F:GEOT043/1