

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**

**GEOTECHNICAL
BOREHOLE LOG**

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No **BH01**

Sheet 1 of 1

REFERENCE No **H12190**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Birdwood Road, RS Wall?		COORDINATES 505366.3 E; 6955576.0 N		
PROJECT No	FG6253	SURFACE RL	21.53m	PLUNGE	90°
				DATE STARTED	02/06/2015
				GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	02/06/2015
				DRILLER	Geodrill

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	ROD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
0.0	21.13			A	Gravelly Silty CLAY (Topsoil) Mottled orange brown, moist, soft. Fine to medium gravel. Tree roots. Low plasticity. Silty CLAY (Residual) Pale grey to orange/red brown, moist, hard. Medium plasticity. Trace fine to medium sand and gravel.	(CL)					14, 20, 24 N=44	SPT	
1.0				B		(CI)					11, 16, 21 N=37	SPT	
2.0				C	METAGREYWACKE (Dcf) XW: Recovered as pale grey, moist, hard, Clayey SILT. Trace fine to medium sand. Trace fine gravel.						29, 30/80 hb	SPT	
3.0	18.73			D	Sand content increasing.	XW					30/100 hb	SPT	
4.0				E							30/130 hb	SPT	
5.0	16.40		(0)		METAGREYWACKE (Dcf) SW: Grey brown, fine grained, weakly foliated, high strength.	HW				5.50m: Cly seam, 20° <5mm			
6.0			100 (34)		Defects: -FP: 30°-50° (2-6/m) Pl/Ro, TI, FeSt, some Cly Vr -J's: 10°-30° (2-5/m) Pl/Ro, TI, some FeSt. -J's: 70°-90° (1-2/m) Pl/Ro, TI-CD, Qz Ct <5mm or Cly Vr.	SW				5.98m-5.99m: Cly Seam	Is(50)=2.00 MPa	D (5.72m)	
7.0			100 (40)			MW					Is(50)=1.80 MPa Is(50)=1.30 MPa	D (7.12m) A (7.20m)	
8.0										7.25m: Qz Vn (3 subparallel), 70°, <5mm.	UCS=2.74 MPa	(7.65m)	
9.0			100 (35)			SW				8.45m: Qz Vn, 70° <5mm.	Is(50)=1.70 MPa Is(50)=1.20 MPa	D (8.72m) A (8.75m)	
9.63	11.90		100		Borehole completed at 9.63m								

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.

LOGGED BY	REVIEWED BY
JL/DC	SF

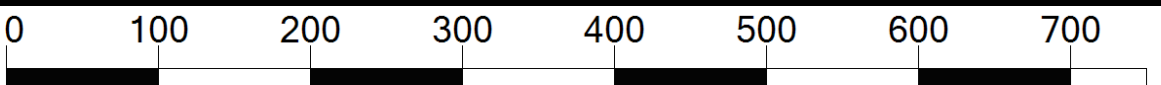
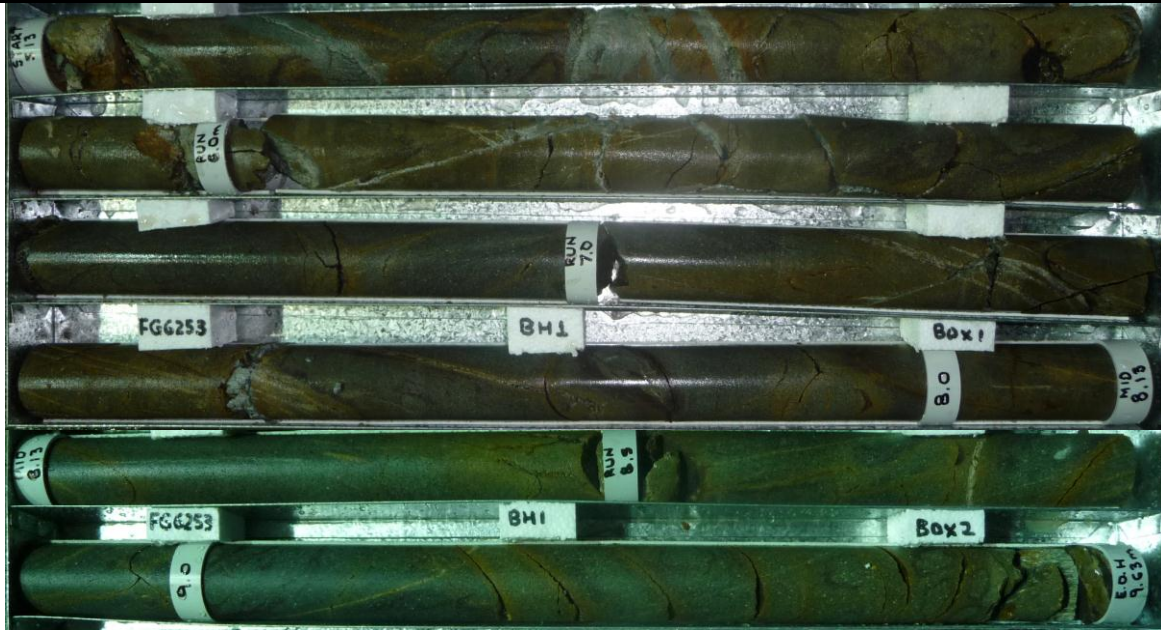
CORE PHOTO LOG

DEPARTMENT OF TRANSPORT & MAIN ROADS
 Geotechnical Branch
 35 Butterfield Street, HERSTON Qld 4006
 Phone 07 3066 3336



Department of
 Transport and Main Roads

Project Name	Velway (V1), Section E: Birdwood to Gaza Road		
Project No	FG6253	Date	2/6/15
Borehole No	BH 01	TMR H No	12190
Location	RS Wall?	Start Depth (m)	5.13
Detail		Finish Depth (m)	9.63
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5