

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) 2019, 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 **BH03**

Sheet 1 of 1

REFERENCE No **H12192**

PROJECT **Veloway 1 Stage E: Birdwood to Gaza Road**
 LOCATION **Bridge over Marshall Rd and Bapaume Rd.** COORDINATES **505453.9 E; 6955397.0 N**
 PROJECT No **FG6253** SURFACE RL **19.48m** PLUNGE **90°** DATE STARTED **10/06/2015** GRID DATUM **MGA94 Zone 56**
 JOB No **201/C001/4** HEIGHT DATUM **AHD** BEARING **°** DATE COMPLETED **10/06/2015** DRILLER **North Coast Drilling**

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
19.18					Silty Clayey SAND (Topsoil) Brown, moist.	(SC)							
1				A	Silty Clayey SAND (Alluvium) Brown mottled grey, dry, fine to coarse grained, medium dense.	(SC)				8, 14, 7 N=21	SPT		
2				B	Becoming Silty Gravelly SAND: Grey, wet. Fine to coarse grained.					3, 2, 10 N=12	SPT		
17.08					ARGILLITE (Dcf) XW: Recovered as dark grey, moist, hard, Silty CLAY. Trace gravel (HW rock fragments).	XW				30/140 hb	SPT		
3				C									
15.98				(0)	METAGREYWACKE (Dcf) MW: Orange brown, fine to medium grained, weakly foliated, medium to high strength.	MW							
4			100	(0)	Defects: -FP: 50°-65° (10-12/m) Pl/Ro, FL, Cly Vr/Ct	HW				3.78m: FP, 45°, Pl/Ro, TI, Cly Ct, 5mm 3.95m: J, 30°, Pl/Ro, TI, Cly Vr	Is(50)=1.80 MPa D (3.88m)		
5			100	(0)		HW				4.53m-4.55m: XW Cly Gravel 4.64m-4.87m: J, 85°-90°, St/Ro, T, C 4.95m-5.15m: J, 85°-90°, Pl/Ro, TI, Cn 5.05m-5.18m: Fine grained, Argillite band.			
13.98			100	(60)	METAGREYWACKE (Dcf) SW: Blue grey, fine to medium grained, weakly foliated, high to very high strength.	MW					Is(50)=1.10 MPa D (5.58m)		
6			100		Defects: -FP: 45°-50° (4-5/m) Pl/Ro, TI, Cly Vr or Cn. -J's: 10°-15° (6/m) Pl/Ro, TI, Cn. Borehole completed at 6.60m	SW				5.66m-5.70m: BZ	Is(50)=3.60 MPa D (5.90m) Is(50)=2.30 MPa A (5.97m)		
12.88			100								Is(50)=1.40 MPa D (6.43m) Is(50)=2.80 MPa A (6.47m)		
7													
8													
9													

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

LOGGED BY	REVIEWED BY
TJG	SF

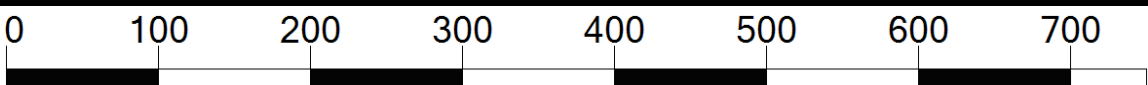
CORE PHOTO LOG

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	10/06/15
Borehole No	BH03	TMR H No	12192
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	3.5
Detail		Finish Depth (m)	6.5
Chainage		Submitted By	TJG
Remarks			



SCALE 1:5