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**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH12**

Sheet 1 of 1

REFERENCE No **H12200**

PROJECT	Veloway 1 Stage E: Birdwood to Gaza Road				
LOCATION	Bridge over Marshall Rd and Bapaume Rd.		COORDINATES 505560.9 E; 6955137.0 N		
PROJECT No	FG6253	SURFACE RL	23.71m	PLUNGE	90°
				DATE STARTED	17/06/2015
				GRID DATUM	MGA94 Zone 56
JOB No	201/C001/4	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	18/06/2015
				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	H	M	J	VI	EL	EC	VC	C			M	W
23.31					Sandy GRAVEL (Pavement Fill)	(GW)															
23.01					Grey yellow brown, medium to coarse grained.	(SC)															
1					Clayey Gravelly SAND																
					Mottled yellow brown, moist, loose.																
					Coarse sand and fine gravel.																
					Silty CLAY (Residual)																
				A	Grey brown mottled orange brown, moist, very stiff to hard.	(CL)												6, 10, 15 N=25	SPT		
					Trace fine gravel.																
3	20.61			B	Grading into XW with depth.													30/60	SPT		
			(100)		METAGREYWACKE (Dcf)																
					MW: Brown grey, fine to medium grained, weakly foliated, high strength.	MW															
4	19.71		100 (70)		Defects: -J's: 30° (1/m), Ir/Ro, TI, Cly Vr, some FeSt														Is(50)=2.50 MPa	D (3.90m)	
					Foliation at 40° -60°, Qz FL.																
					METAGREYWACKE (Dcf)																
					SW: Grey, fine to medium grained, weakly foliated, high to very high strength.	SW															
			100 (27)		Defects: -FP's : 40°-60° (2-3/m), Pl/Sm-Ro, TI or CD, Cn or some FeSt or Qz FL																
					-J's: 10°-30° (1/m), Pl/Ro, TI, some FeSt or Cn																
					-J's: 70°-80° (<1/m), Pl/Sm-Ro, QP, some FeSt																
					Borehole completed at 6.10m																
6	17.61		100																	Is(50)=4.70 MPa	D (5.95m)

REMARKS: Dcf - Neranleigh Fernvale Beds. Soil samples taken from 0.0-0.5m for environmental testing.	LOGGED BY	REVIEWED BY
	JL/DC	SF

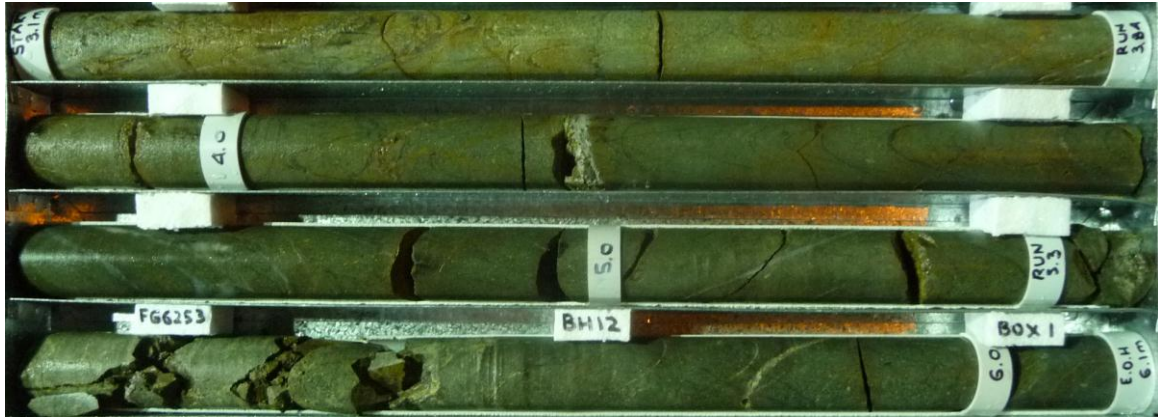
**CORE PHOTO LOG**

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Department of  
 Transport and Main Roads

Project Name	<b>Veloway (V1), Section E: Birdwood to Gaza Road</b>		
Project No	FG6253	Date	18/06/15
Borehole No	BH12	TMR H No	12200
Location	Bridge over Marshall Rd and Bapaume Rd	Start Depth (m)	3.1
Detail		Finish Depth (m)	6.1
Chainage		Submitted By	J. Lopez
Remarks			



SCALE 1:5