

## **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/>

# GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH101**

Sheet 1 of 2

REFERENCE No **H13094**

PROJECT	Bohle River pedestrian/cycle bridge		
LOCATION	off Woolcock St, West bank of Bohle River	COORDINATES 469043.0 E; 7870137.8 N	
PROJECT No	FG6560	SURFACE RL 1.74m	PLUNGE 90°
			DATE STARTED 24/03/2018
			GRID DATUM 55K
JOB No	268/10M/908	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 25/03/2018
			DRILLER Saxon / Jez

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
1.24					Silty SAND (Topsoil) dark brown, moist, loose, fine grained.		(SM)						
0.84					Concrete (Fill)								
1				A	Silty SAND (Alluvium) grey with bands of yellow, moist to wet, very loose, fine grained. locally clay at 1.25 to 1.3m depth		(SM)			2, 2, 2 N=4	SPT		
2	-0.36			B	Gravelly SAND (Alluvium) grey, wet, very loose, fine to coarse grained, fine grained gravel.		(SP)			hw, hw, hw N<1	SPT		
3	-1.46			C	From 3.0m: Becoming loose. Sandy silty CLAY (Residual) blue-green, moist, stiff to very stiff, low plasticity, fine grained sand.					3, 8, 10 N=18	SPT		
4				D	From 4.1m: Becoming Interbedded Sandy SILT and CLAY: Pale yellow mottled orange-brown to yellow-brown. Trace of fine gravel.					8, 10, 12 N=22	SPT		
5				E	From 5.5m: Becoming hard.		(CL)			15, 20, 23 N=43 LL=48% PI= 16% MC=22.7% LS= 11% <75µm= 62%	SPT		
6				F						23, 30, 30/120mm	SPT		
8	-6.26			G	Andesite XW: recovered as Silty CLAY, brown stained black, dry to moist, hard, low plasticity. With fine to medium gravel sized rock fragments, subangular.		XW			30/50mm hb	SPT		
9	-8.26												

Continued on next sheet

REMARKS: Samples for acid sulfate testing taken at 0.5m depth intervals to 3m depth.

LOGGED BY	REVIEWED BY
Kay Want	S. Foley

# GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH101**

Sheet 2 of 2

REFERENCE No **H13094**

PROJECT **Bohle River pedestrian/cycle bridge**

LOCATION **off Woolcock St, West bank of Bohle River**

COORDINATES **469043.0 E; 7870137.8 N**

PROJECT No **FG6560** SURFACE RL **1.74m**

PLUNGE **90°**

DATE STARTED **24/03/2018**

GRID DATUM **55K**

JOB No **268/10M/908**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **25/03/2018**

DRILLER **Saxon / Jez**

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH		DEFECT SPACING							ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS					
								EH	VH	H	M	J	V	E	EC	VC			C	M	W	VW	EW
11	-10.51		(55)	ANDESITE MW: Dark grey-brown speckled white, fine grained, mainly medium to high strength. -Js: 15°-25° (5-8/m), Pl/Ro, FeSt, some Cly Vr -Js: 45°-55° (5/m), Pl, Cly infill <3mm	ANDESITE	MW	MH	C											30/40mm hb Is(50)=1.69 MPa	D (10.17m)			
			HW			MH	M														Is(50)=0.67 MPa Is(50)=2.78 MPa	D (10.95m) D (10.98m)	
			MW			M	VC																
			HW			VL	C																
			MW			M	VC																
			HW			VL	C																
			MW			M	VC																
			SW			H	M															Is(50)=0.71 MPa	D (12.22m)
			MW			H	M															Is(50)=3.50 MPa UCS=37.40 MPa	D (12.85m) (13.05m)
			SW			H	M																
14	-11.96		100	DACITE HW: dark grey speckled pink, fine grained, porphyritic, crystalline. Recovered as gravel, trace of clay. Very low strength. Broken throughout.	DACITE	MW	M	C											Is(50)=0.98 MPa	D (13.95m)			
			HW			VL	C																
			HW			VL	C																
			HW			VL	C																
			HW			VL	C																
15			(0)	no recovery from 15.75 to 16.65m depth																			
			(0)																				
			(0)																				
16	-14.91		33																				
			(0)																				
17			15																				
			(0)																				
18																							
19																							

REMARKS: Samples for acid sulfate testing taken at 0.5m depth intervals to 3m depth.	<b>LOGGED BY</b>	<b>REVIEWED BY</b>
	Kay Want	S. Foley

<b>Project Name</b>	<b>Bohle River Pedestrian/Cycle Path – Geotechnical Investigation</b>		
Project No.	FG6560	Date	March 2018
Borehole No.	BH101	Reference No.	
Location	NW bank	Start Depth (m)	10.0
Submitted By	K. Want	Finish Depth (m)	16.65

