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**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH103**

Sheet 1 of 3

REFERENCE No **H13096**

PROJECT **Bohle River pedestrian/cycle bridge**

LOCATION **off Woolcock St, West side of pond**

COORDINATES **469193.9 E; 7870107.0 N**

PROJECT No **FG6560**

SURFACE RL **5.62m**

PLUNGE **90°**

DATE STARTED **23/03/2018**

GRID DATUM **55K**

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

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **24/03/2018**

DRILLER **Saxon / Jez**

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING 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	VI	EL	EC	VC	C			M	W	VW	EW	
	5.02				Sandy SILT (Topsoil) dark brown, moist, soft to firm, low plasticity,		(ML)																	
1				A	Clayey SILT (Alluvium) brown mottled grey, moist, firm, low plasticity, trace of fine sand.		(ML)															2, 3, 4 N=7	SPT	
	4.12																							
2				B	SAND (Alluvium) yellow-brown, moist, loose, fine to medium grained.		(SP)															23/03/2018 2, 3, 3 N=6	SPT	
	3.37																							
3				C	Sandy silty CLAY (Alluvium) grey mottled pale grey and dark brown, moist, firm, low plasticity. Fine grained sand.																	3, 3, 4 N=7 LL=26% PI= 3% MC=20.5% LS= 3% <75µm= 80%	SPT	
				D	from 3m depth, pale grey mottled yellow-brown																			
				E	From 3.75m: Becoming Interbedded SAND and CLAY: Clay is grey-brown, moist to wet, very soft , low plasticity. Sand is yellow, wet, loose, fine to coarse grained.		(CL)															Su(PP)=25 kPa MC=23.2%	U50	
																						hw, hw, hw N<1 LL=27% PI= 9% MC=30% LS= 8% <75µm= 49%	SPT	
5	0.62			F	SAND (Alluvium) grey, wet, very loose, fine to coarse grained. Trace of fine gravel, slight odour.		(SP)															2, 2, 1 N=3	SPT	
	-0.38																							
6				G	Sandy GRAVEL (Alluvium) grey , white , dark grey , wet, very loose to loose, fine grained, sub- angular. Trace of clay. Slight odour.																	1, 2, 1 N=3	SPT	
7				H	Thin clayey sand beds at 7.3-7.5m, 8.35-8.45m and 9.5-9.7m depth																	2, 3, 5 N=8 MC=17.4% <75µm= 4.2%	SPT	
8				I	From 8.0m: Becoming loose.		(GP)															5, 6, 7 N=13	SPT	
9				J	medium to coarse gravel sized pieces of rock at 9.6m depth																	3, 5, 4 N=9	SPT	
	-4.38																							

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REMARKS: Samples for acid sulfate testing taken at approx. 0.5m intervals to 3.45m depth, and thereafter approx. 1m intervals to 8.45m depth.

LOGGED BY

Kay Want

REVIEWED BY

S. Foley

PROJECT	Bohle River pedestrian/cycle bridge
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LOCATION	off Woolcock St, West side of pond
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COORDINATES 469193.9 E; 7870107.0 N

PROJECT No FG6560

SURFACE RL 5.62m

PLUNGE 90°

DATE STARTED 23/03/2018

GRID DATUM 55K

JOB No 268/10M/908

HEIGHT DATUM AHD

BEARING °

DATE COMPLETED 24/03/2018

DRILLER Saxon / Jez

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH _L _VH _H _M _L _VL _EL	EC _VC _C _M _W _VW _EW
-4.58					Sandy GRAVEL (Alluvium) Cont'd.		(GP)						
11				K	Brecciated Dacite XW: recovered as Clayey GRAVEL, pale blue and dark grey, moist, very dense, fine to medium grained, angular (fragments of fine-grained mafic rock), low plasticity clay.					16, 22/130mm hb	SPT		
12				L	From 11.2m: Recovered as CLAY: pale blue and white, dry to moist, very stiff to hard, low plasticity, with variable quantities of coarse sand and gravel sized rock fragments.					20, 30/100mm hb	SPT		
13													
14										13.50m: No sample recovery hb	SPT		
15	-9.39		(0)		BRECCIATED DACITE MW: Green-grey, aphanitic, low to mainly medium strength. Healed microfractures throughout. -Js: 50°-60° (2/m), Pl/Ro, TI-OP, FeSt, Cly Vr		HW			15.01m-15.40m: Highly altered zone, Cly AZ hb	SPT		
16			100 (33) 100 (47) 100		-Js: 15°-20° (5-7/m), Pl/Ro, TI-OP, FeSt, Cly Vr from 15.01 to 15.4m depth, HW and stained yellow		MW			16.10m-16.30m: BZ DI	Is(50)=0.21 MPa D (15.68m)		
17			(57)								Is(50)=1.04 MPa D (16.40m)		
			100 (0) 90		clay infilled joint at 16.95m					17.00m-18.55m: highly altered / brecciated zone. Colour change to grey and pink stained red.			
-11.80			(0)				HW						
			67 (42)		BRECCIATED DACITE HW: Pale red brown and grey brown, aphanitic, mainly very low to medium strength. Highly altered throughout.		HW			18.10m-18.55m: BZ	Is(50)=0.94 MPa D (17.90m)		
-12.93			100 (33) 100 (80)		-Js: 10°-20° (6-8/m), Pl/Ro, TI, FeSt, some Cly Vr -Js: 40°-50° (2/m), Pl/Ro, TI, FeSt, some Cly Vr						Is(50)=1.80 MPa D (18.80m)		
19			100 (52)		-Js: 80° (<1/m), Pl/Ro, TI, FeSt, some Cly Vr BRECCIATED DACITE MW: Green grey, aphanitic, mainly highly altered throughout,		MW			19.50m-19.60m: Healed Breccia, iron stained.	Is(50)=1.70 MPa D (19.60m)		
-14.38										19.90m-20.20m: Cly AZ, highly			

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REMARKS: Samples for acid sulfate testing taken at approx. 0.5m intervals to 3.45m depth, and thereafter approx. 1m intervals to 8.45m depth.

LOGGED BY

Kay Want

REVIEWED BY

S. Foley



**Queensland
Government**

GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH103**

Sheet 3 of 3

REFERENCE No **H13096**

PROJECT **Bohle River pedestrian/cycle bridge**

LOCATION **off Woolcock St, West side of pond**

COORDINATES **469193.9 E; 7870107.0 N**

PROJECT No **FG6560**

SURFACE RL **5.62m**

PLUNGE **90°**

DATE STARTED **23/03/2018**

GRID DATUM **55K**

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

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **24/03/2018**

DRILLER **Saxon / Jez**

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%) % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
								EH _L_VH _H _M _L_VL _EL	EC _L_VC _C _M _W _VW _EW				
			100 (25)	CORE LOSS	BRECCIATED DACITE MW: Cont'd. high to very high strength.		HW		L				
			75 (80)		-Js: 15°-30° (1-4/m), Pl-Stp/Ro, Cly St		MW	VH				Is(50)=0.46 MPa	D (20.35m)
21			100 (33)		-Js: 50°-60° (0-3/m), Pl/Stp/Ro, St		MW	VH		VC		Is(50)=0.36 MPa	D (21.05m)
	-15.98		100 (77)						L		C		
22					BRECCIATED DACITE SW: Pale brown grey, fine grained, high strength. Brecciated with healed microfractures throughout.		SW	H		W	Is(50)=1.16 MPa UCS=20.70 MPa	D (22.20m) (22.36m)	
	-17.08		100								Is(50)=1.86 MPa	D (22.60m)	
					Borehole completed at 22.70m								
23													
24													
25													
26													
27													
28													
29													

REMARKS: Samples for acid sulfate testing taken at approx. 0.5m intervals to 3.45m depth, and thereafter approx. 1m intervals to 8.45m depth.

LOGGED BY

Kay Want

REVIEWED BY

S. Foley

CORE PHOTO LOG
DEPARTMENT OF TRANSPORT AND MAIN ROADS
GEOTECHNICAL SECTION

Project Name	Bohle River Pedestrian/Cycle Path – Geotechnical Investigation		
Project No.	FG6560	Date	March 2018
Borehole No.	BH103	Reference No.	
Location	NW of pond	Start Depth (m)	15.0
Submitted By	K. Want	Finish Depth (m)	22.7



0	100	200	300	400	500	600	700
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SCALE (mm)