COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the <u>Creative Commons Attribution 4.0 Licence</u> (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/



REMARKS __

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

LOGGED BY

BW

PROJECT			eton Ba									
					<u>k Rail Bridge, Abutment B, Bridge 11, Ch.7500</u>				COORDINATES503592.1 E; 6987773.5 N			
PROJECT No		o_F <u>G5921</u>			SURFACE R.LPLUNGE		DATE STARTED <u>18/</u>			18/7	7/11 GRID DATUM _MGA94 Zone 56 _	
JOB No		<u>250</u>	/ <u>120/3</u>		_ HEIGHT DATUM _ <u>AHD</u> BEARING			DATE COM	IPLETED	18/7	/11DRILLER <u>R&D Drilling</u>	<u>Pty Ltd</u>
o DEPTH (m)	R.L. (m) 2.00	AUGER CASING WASH BORING	RQD ()% ()% CORE	AMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
-	2.00				Silty CLAY (Alluvial) Grey brown, moist, soft to firm.							
					High plasticity.							
-1					Organic contents and plant materials.		(CH)					
				A			Ì				1,2,2 N=4	SPT
E					_							
-												
-2	0.00			в	Sandy CLAY (Residual) Yellow brown grey, moist, sitff to very stiff.					+	4,4,6 N=10	SPT
14:46					Medium plasticity.							
0/2011					Contains iron concretionary nodules in							
1 00/1				с	parts.		(CI)				4,8,22	SPT
INt Add					_						N=30	
Toolg												
	-2.00											
SAY RAIL LINK.GPJ < <dreamingfile>> Datgel CPT Tool glNt Add-In 06/10/2011 14:46</dreamingfile>				D	Feldspathic SANDSTONE Fine to medium grained, massive, poorly cemented sedimentary rock mainly comprising sand-sized particles HW: Grey yellow and red brown, fine to						9,15,30 N=45	SPT .
			(00)		medium grained, massive with slightly laminated, very low to low strength.							
AIL LINK.GP			(80)		Contains subangular quartzitic fragments and iron stained in parts.							
T T T T T					Defects: - Drilling-induced irregular fracture @ 5° (1/m)		HW					
MORI					- Joints @ 20-30° (1-2/m)							
-G5921			100	_	Defect surfaces are medium to wide							
1 1 00				'	spaced, irregular, slightly rough, closed, clay infilled or minor iron stained.							
											$DD = 1.96t/m^3$; $WD = 2.22t/m^3$;	UCS
											MC = 13%; UCS - 0.24MPa	
								· · · · ·				
SOREH	-6.00		100									
QLD_DMR_LIB_01A.GLB_L0g_A_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5021 MORETON I 	0.00		(100)		MW: Yellow brown-grey, fine to coarse grained, massive with laminated, low strength.					†	+	-
A EN					Coarse grained sandstone at base.							
CB Log					Defects: As above.		MW					
014.6												
			100 (75)		-							
					(See over)							
ਰ 10					(1		

(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.



ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010
 BOREHOLE No
 _____BH58 ____

 SHEET
 _2___ of __2__

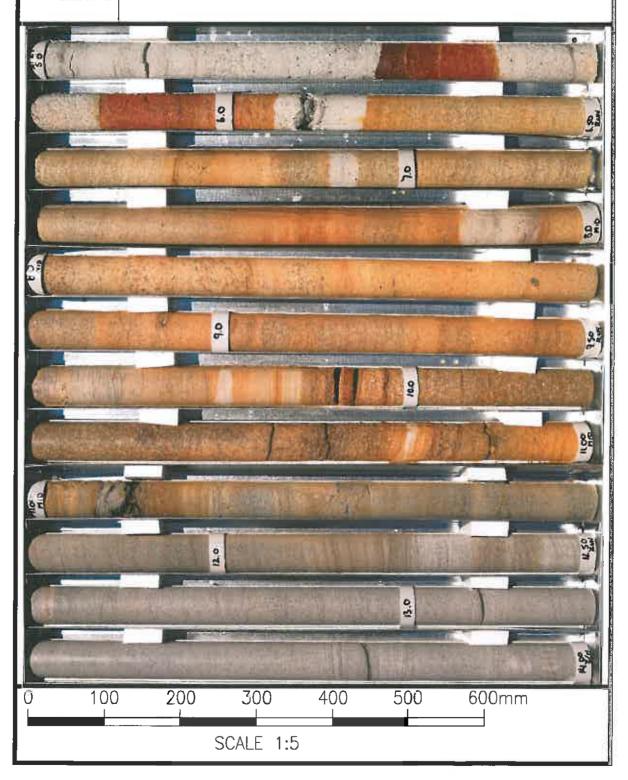
 REFERENCE No
 ____H11097___

COATION Salt/Yate: Carek Pail Bridge, Abstramt B, Bridge 11, CA7500 COORDINATE: 000000000000000000000000000000000000	PROJECT	More	eton Bay	Rai								·
UGB NO 250/120/3	OCATION	<u>Salt</u>	Water C	reek	Rail Bridge, Abutment B, Bridge 11, Ch.750	0				COOF	RDINATES 503592.1 E; 6987773	.5 <u>N</u>
Image: Section of the sectio	PROJECT No	5 <u>FG5</u>	921		SURFACE R.L. <u>2.00m</u> PLUNGE _			DATE ST.	ARTED	<u>18/7/11</u>	GRID DATUM MGA94 Zone	<u> </u>
0 0	JOB No	250/	120/3		HEIGHT DATUM <u>AHD</u> BEARING			DATE COMP	LETED	<u>18/7/11</u>	DRILLER <u>R&D</u> Drilling	Pty Ltd
Image:	(m) (m)	жõ В В В В В В В В В В В В В В В В В В В	()%	AMPLE		ТНОГОСУ	ISC VEATHERING			SRAPHIC LOG	AND	AMPLES
-9.44 (75) -9.44 SW: Grey to dark grey, fine to medium printed, medium printed, massive, with laminated, medium lis(50) = 0.72MPa x 12 -10 Defects: -10/110; -10/100; -0.72MPa x 13 -100 -0.0110; -10/100; -0.010;	-			0	Feldspathic SANDSTONE MW:(Cont'd)						Is(50) = 1.79MPa Is(50) = 2.08MPa	x
13 Image: Construction of the space o	-9.44		100		grained, massive, with laminated, medium to high strength. Defects: - Drilling-induced lamination partings @ 5° (2/m)	-					Is(50) = 0.72MPa Is(50) = 0.25MPa Is(50) = 0.46MPa Is(50) = 0.98MPa	o x o x
			100		spaced, irregular, rough, clean, open and		SW				ls(50) = 1.81MPa ls(50) = 1.81MPa DD = 2.42t/m ³ ; MC = 3.7%; UCS=22.3MPa	Učs
	- 16 				Borehole terminated at 14m							

(c) State of Queensland (Department of Transport and Main Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on attached cover page.



Project Name	Moreton Bay Rail Link (MBRL)		
Project No	FG5921	Date	18/07/11
Borehole No	BH 58	TMR H No	
Location	Saltwater Creek Rail Bridge	Start Depth (m)	5.00
Detail	Abutment A Structure	Finish Depth (m)	14.00
Chainage	7500	Submitted By	BW
Remarks			



CORE PHOTO LOG GEOT043/1 DEPARTMENT OF TRANSPORT & MAIN ROADS Geotechnical Branch 35 Butterfield Street, HERSTON Qld 4006 (c) State of Phonestory of Geographic Something Roads) 2020, CC BY 4.0. Please note copyright and limitation of liability notices on patached cover page.