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/

	Queensland Government						ENGINEERING BOREHOLE LOG						BOREHOLE No BH124 SHEET of4			
	$\overline{\mathcal{N}}$	50	Gov	er	nment	s	FOR GEOTE		CAL T M F:C	ERMS AND EOT 017/6-20	10		REFERENCI	E No	<u>H10898</u>	
LOC			<u>8 2 - (Ch.</u> 635	845	3YPASS PROJE 547.8 23.5m LHS SURFACE R.L HEIGHT DATUN	<u>9.01m</u>	PLUNGE _			DATE STA	ARTED	CO <u>3/11/1</u>	ORDINATES	721544 ATUM	.1 E; 7654838.3	<u>N</u>
DEPTH (m)	R.L. (m) 9.01	AUGER CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE		MATERIA		ПТНОГОСУ	USC WEATHERING	10000000000000000000000000000000000000	DEFECT SPACING (mm)	GRAPHIC LOG		TONAL I AND T RESU		SAMPLES TESTS
OLD DMR.LIB 01AGLB Log A_ENGINEERING BOREHOLE LOG WUTHOLOGY COMLEYS FG5635. VALKERSTON BYPASS.GPJ < 	9.01 6.51 5.10		REC %	A B C D	Clayey SAND (A Brown, moist, m High plastic fine fraction. Silty CLAY (ALL Pale brown to m stiff. High plasticity; r fraction. Clayey Sandy S Pale grey to mo moist, very stiff. SAND (ALLUVI/ Pale grey, wet, dense, mostly fi Some coarse sa with minor silt fr	edium dens s; minor fine UVIAL) ottled yellov ninor sand a ILT (ALLUV ttled brown, AL) oose to mai ne to mediu and to fine g	e gravel w, moist, very and gravel IAL) minor orange,		(SC) (CH) (ML)						3,5,6 N=11 4,6,9 N=15 5,9,11 N=20 3,5,5 N=10 8,12,11 N=23	SPT SPT
	atoma and	(S		F	Becoming coars depth.	se sand and	gravel with						-		10,10,12 N=22	
													- L		JLo / ME	

(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.

			Que Gov	er	nsland nment		CAL			BOREHOLE No SHEET REFERENCE No	4
	TION	_ <u>PIEF</u> 0_ <u>FG5</u>	<u>R 2 - (Ch</u> 635	. 845	SURFACE R.L. <u>9.01m</u> PLUNGE			 DATE STARTED <u>_3/</u>	COO 11/10	ORDINATES 721544.1 E; 7654838.3 M	
DEPTH (m)	R.L. (m)	AUGER CASING VASH BORING CORE DRILLING	DISSEL CORE WE OF		MATERIAL DESCRIPTION	гітногоду	USC WEATHERING	INTACT DEFECT STRENGTH SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
				G	SAND (ALLUVIAL) (Cont'd)					11,11,12 N=23	SPT
d-in 12/12/2011 15:32				н			(SP)			9,12,10 N=22	SPT
<<0/p> <<0/p> <<0/p> <<0 <<0 <<0 <<0 <<0 <<0 <<0 <>0 <>0 <>0 <>0 <>0 <>0 <>0 <>0 <>0 <>0 <>0 <>0	-5.49	9		J						5,6,7 N=13	SPT
GPJ				к	Clayey Silty SAND (RESIDUAL) Pale grey, moist, medium dense, medium to coarse grained.		(SC)			8,15,19 N=34	SPT
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-7.29	9		L	Sandy Silty CLAY (RESIDUAL) Pale grey, moist, hard. High plasticity; fine to medium grained sand.		(СН			17,21,29 N=50	SPT
OLD, DMR, LIB, DIA GLB, Log, A, ENGINEERING BOREHOLE LOG, WUTHOLOGY COWLEYS FG5635, WALKERSTON BYPASS, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-8.4	9		м	Silty CLAY (RESIDUAL) Mottled pale grey, orange and black, moist, hard. High plasticity; Fe/Mn oxide nodules; some minor sandy layers.		(СН			10,17,26 N=43	SPT
	EMAR	<pre></pre>		N						8,14,19 N=33 LOGGED BY JLo / ME	SPT

(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.

	QL	ieei over	nsland nment	BO	OTECHN		E LOG	2010		BOREHOLE No SHEET REFERENCE No	<u>BH124</u> <u>3</u> of <u>H1089</u>	_4
PROJECT LOCATION PROJECT N JOB No	PIER 2 -	(Ch. 845	547.8 23.5m LHS SURFACE R.L.	Q Q <td> E</td> <td></td> <td>DATE S</td> <td> TARTED _</td> <td>CO <u>3/11/1</u></td> <td>ORDINATES 721544 0 GRID DATUM</td> <td>.1 E; 7654838. MGA 94</td> <td></td>	 E		DATE S	 TARTED _	CO <u>3/11/1</u>	ORDINATES 721544 0 GRID DATUM	.1 E; 7654838. MGA 94	
(m) (m) (m) (m) (m) (m) (m) (m) (m) (m)	0 0 0 0 0 0 0 0 0 0 0 0 0 0	% 3THE	Silty CLAY (RES	MATERIAL DESCRIPTION	ГІТНОГОСҮ	USC WEATHERING	INTACT STRENGTH ロジェミンラロ	DEFECT SPACING (mm) 0.000000 1.1.1.1.1	GRAPHIC LOG	ADDITIONAL I AND TEST RESU		SAMPLES TESTS
-21		0	(Cont'd)			(CH)					13,16,29 N=45	SPT
11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	9	Ρ									13,25,20 N=45	SPT
		Q	massive, crystal igneous rock HW: Generally e	m to coarse grained, line, porphyritic, acidi xhibits the engineering grey, orange and bla	g					29	,29,30/140mm N>50	SPT
26		R								18	,24,30/110mm N>50	SPT
		S				HW					25,30/70mm N>50	SPT
-25 -26 -27 -28 -29 -29 -30		т									19,30/120mm N>50	SPT
REMARI	<pre></pre>					 					.OGGED BY JLo / ME	

Queensland Government	ENGINEER BOREHOLE		BOREHOLE NoBH124 SHEET 4 of 4	
Government	FOR GEOTECHNICAL TE SYMBOLS REFER FORM F:GE		SHEET _4 of _4 REFERENCE No _ H10898_	
LOCATION <u>PIER 2 - (Ch. 84547.8_23.5m L</u> PROJECT N <u>FG5635</u> SURFACE I		COC DATE STARTED <u>3/11/10</u>	DRDINATES 721544.1 E; 7654838.3 N GRID DATUM MGA 94	
R.L. RQD (m) 9N() % 9N1308 9N1308 9N	MATERIAL Solution	NTACT DEFECT STRENGTH SPACING 000 (mm) 01 (mm) 000 (mm) 000 STRENGTH 2000 (mm) 000 (mm) 000 STRENGTH 2000 (mm) 000 STRENGTH 2000 (mm) 000 (mm) 00	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
-31 -32 -32 -33 	TE		30/90mm N>50	SPT
-24.59 (100) SW: Pale gre very high to ex 30% mafic min Defects: Very	rare.		30/20mm N>50 Is(50) = 1.59MPa Is(50) = 6.45MPa	8PT
	-induced breaks (1-2/m)		Is(50) = 5.64MPa Is(50) = 3.25MPa Is(50) = 10.01MPa Is(50) = 9.46MPa	x
4243 -35 -36 -36 -37 -37 -37 -37 -38 -38 -38 -38 -38 -39 -38 -39 -39 -39 -39 -39 -39 -39	nated at 36.57m			2
REMARKS			LOGGED BY JLo / ME	

Project:Walkerston Bypass Geotechnical InvestigationBorehole No:BH124 (Cowleys Road Bridge Ch. 84547.8 23.5m left)Start Depth:33.60 mFinish Depth:36.57 mProject No:FG5635H No:10898



