## **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/



## ENGINEERING BOREHOLE LOG

BOREHOLE No	<u>BH60</u>
SHEET	<u>1</u> of <u>1</u>
REFERENCE No	<u>H11099</u>

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

PR	OJECT	<u>More</u>	eton Bay	Rai	<u>  Link</u>							
LO	CATION	<u>At C</u>	<u>PTu26, I</u>	Edge	e of Embankment, Fill18, Ch.10200					СС	ORDINATES <u>505871.4 E; 6989024</u>	. <u>6 N</u>
PR	OJECT No		921		SURFACE R.L. <u>1.20m</u> PLUNGE			DATE S	TARTED	<u>29/6/</u>	11 GRID DATUM <u>MGA94 Zone</u>	56
JO	3 No	250/	120/3		HEIGHT DATUM <u>AHD</u> BEARING			DATE COM	PLETED	<u>29/6/</u>	11 DRILLER <u>R&amp;D Drilling F</u>	Pty Ltd
(m) L	R.L. (m)	BORING	RQD ()%		MATERIAL	GΥ	ERING	INTACT STRENGTH	DEFECT SPACING (mm)	: LOG	ADDITIONAL DATA	
O DEPTH (m)	1.20	JGEF ASH	CORE REC %	SAMPLE	DESCRIPTION	ГІТНОГОСУ	USC WEATHEI	TH TH TH	- 20 - 20 - 200 - 2000	GRAPHIC	TEST RESULTS	SAMPLES TESTS
-					Silty CLAY (Estuarine) Dark grey to black, moist, very soft to soft.			· · · · · · · · · · · · · · · · · · ·			— Based on Driller's logs only — Water @ 0.4m	
				А	High plasticity. High organic contents; minor plant material	(C	(CH/O	H))			DD = 1.00t/m <sup>3</sup> ; WD = 1.60t/m <sup>3</sup> ; MC = 61.6%; LL-66%, PI=40%, LS=16+	
-1	0.20			в	in parts. Sandy CLAY(Marine)						22,25; Su (kPa) =20	FSV -
F					Yellow grey, moist, very soft to soft.	((	 ¢н/о				DD = 1.50t/m <sup>3</sup> ; WD = 1.90t/m <sup>3</sup> ;	
	0.90			С	High plasticity; minor organic contents.			´   			DD = 1.500m <sup>-</sup> ; WD = 1.900m <sup>-</sup> ; MC = 26%; LL-40%, PI=23%, LS=11+	U100 -
-2	-0.80				Contains thin bands of silty clay in parts;						+	-

Contains thin bands of silty clay in parts;         fine grained sand bands at top.         Clayey SAND (Alluvial)         Red brown grey, moist, fine grained, medium dense.         Iron staining throughout; bands of high plasticity silty clay below 3m depth.         E         F       SANDSTONE Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles	(\$M/SF	)			1,8,13 N=21 5,6,7 N=13	SP
D       Clayey SAND (Alluvial)         Red brown grey, moist, fine grained, medium dense.         Iron staining throughout; bands of high plasticity silty clay below 3m depth.         E         F       SANDSTONE Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		)			N=21	
F       SANDSTONE         Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		ŋ,				SP
E       Iron staining throughout; bands of high plasticity silty clay below 3m depth.         E       F         SANDSTONE         Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		<b>)</b>				SF
E       plasticity silty clay below 3m depth.         E       F         SANDSTONE         Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		<b>)</b>				SF
E       plasticity silty clay below 3m depth.         E       F         SANDSTONE         Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		<b>)</b>				SF
E         F       SANDSTONE         Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles						SI
F         SANDSTONE           Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles				·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·           ·         ·         ·         ·         ·		Sł
Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles						
Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles				· · · ·		
Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles						
Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles		· · · · ·	: : <b>T</b> :			
Fine grained, massive, poorly cemented sedimentary rock mainly comprising of sand sized particles						
sized particles			::‡:		2,10,10	SF
sized particles			:: <u>+</u> :		N=20	01
			: : <u>-</u> -:			_
XW: Ġenerally exhibits engineering	xw		: : <b>;</b> :			
properties of vellow red grev, moist, verv			::‡:			
stiff to hard clayey silt and sandy clay.			: :+:		Contains interbeds of claystone (silty clay) below 4m, approx, 500mm thick. 10,19,30/125mm	_
G			: : <del>-</del> :		10,19,30/125mm N>50	SF
Relict rock structure visible throughout;			: : <u>-</u> :		N>50	
>30mm in parts.			: : + :			
Borehole terminated at 5.425m			: : <u>+</u> :			
Borenole terminated at 5.425m			: : <b>F</b> :			
			: : ‡ :			
			:: # :			
			· · + ·			
			: : + :			
			::‡:			
			: : + :			
			· · + ·			
			: : <b>;</b> :			
			: : ‡ :			
			: : <u>+</u> :			
			: : + :			
			:::			
			::‡:			
			: : <u>+</u> :			
			: :+:			
			: : ‡ :			
			: : ‡ :			
			: :±:			
			: :+:			
			: : ‡ :			
			: : <u>+</u> :			
			:: <b>;</b>			
	- 1				LOGGED BY	_
<sup>s</sup>					BW	

(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.