## **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/

											_		FINAL 2	5/06/2015
, sh	NA	E.						GE	OTECHN	ICAL		BOREHOLE No	В	H231
		Ð	Que	er	Island			BO	REHOLE	LOG		Sheet	1 of 3	
1 A		S.	Gov	er	nment		SYN		GEOTECHNICAL TERI REFER FORM F:GEO			REFERENCE No	H	12165
PROJECT		Ipswic	ch Moto	rway	Upgrade - Rocklea to Da	arra								
LOCATION		Little I	Doris Cre	eek B	ridge						(	COORDINATES 498347.0	E; 69508	85.1 N
PROJECT N	lo -	FG620	02		SURFACE RL 3.49	m	PLU	nge 9	0°	DATE STAI	RTED 07/05/2015	grid datum N	/IGA94 Z5	56
JOB No	-	201/4	16/003		HEIGHT DATUM AHD		BEAR	RING °		DATE COMPL	ETED 08/05/2015	DRILLER N	lorth Coa	st
	-		202											
	.L. m) осек	CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIP	PTION	гітногоду	USCS WEATHERING	INTACT STRENGTH 표근구구, 고, 그, 그 그			ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
	.01			A B C C	Silty CLAY (Fill) Yellow brown, moist, ff Medium plasticity, trac gravel. Silty CLAY (Alluvium) Dark grey brown, mois High plasticity, Trace fi sand. Silty CLAY (Alluvium) Grey brown moist, ver High plasticity soft to firm Silty CLAY (Alluvium) Grey brown, moist, set High plasticity. Trace sa Becoming stiff.	t, stiff. ne grained <del>y soft.</del>		(CH) (CH)		· · · · · · · · · · · · · · · · · · ·	inferred GWT	Su(PP	4, 3, 6 N=9 1, 1, 1 N=2 )=296-kPa w, hw, hw N<1 2, 2, 2 N=4 6, 5, 6 N=11	SPT U100 SPT SPT SPT
- 9 6	.51			F	Becoming pale grey pa brown, medium plastic	ale ity clay.	<u>                                      </u>			-			3, 5, 9 N=14	SPT
					Continued on next s	sheet								
REM	IARKS	5: To	od - Da	arra	formation.							LOGGED BY	REVIE	EWED BY
												JL/MS		SF

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI

(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.

574	in.					GE	OTECHN	IICAL	[	BOREHOLE No	FINAL 2	H231
Queensland			sland	BOREHOLE LOG						Sheet	2 of 3	
12 get	🖉 Gov	er	nment		SYN		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	H	12165
OJECT	Ipswich Moto	rway	Upgrade - Rocklea to D	arra								
CATION	Little Doris Cr	eek Bi	ridge							COORDINATES 498347.0	E; 69508	85.1 N
OJECT No	FG6202		SURFACE RL 3.49	m	PLUM	NGE 9	0°	DATE STAF	RTED 07/05/201	5 GRID DATUM	MGA94 Z5	6
3 No	201/416/003		HEIGHT DATUM AHD		BEAR	ING _		DATE COMPLE	TED 08/05/201	5 DRILLER	North Coa	st
R.L. (m)	RQD ()% SNUTTING SNUTTING SNUTS SNUTS REC %	SAMPLE	MATERIAL DESCRIF	PTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH 표근구구주구경권	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
11			Silty CLAY (Residual) Pale grey yellow, mois High plasticity. minor f grained sand.					<u> </u>			5, 9, 13 N=22	
12		Н	Colour changed to rec grey yellow.	l pale							6, 9, 15 N=24	SPT
13		J				(CH)					5, 9, 14 N=23	SPT
-12.21		К	Becoming hard.								8, 14, 21 N=35	SPT
-12.21 16			Sandy CLAY (Residual) Pale grey, moist, hard. Low plasticity, fine gra	ined sand.						21,	30/110mm	SPT
8		M				(CL)					30/130mm	SPT
- <u>15.71</u> -16.51			Clayey SAND (Residual Pale grey, moist, very o Fine grained sand. Continued on next :	dense.		(SC)		- - - - - - - - - - - - - - - - - - -		24,	30/130mm	SPT
REMARK	(S: Tod - Da	arra f								LOGGED BY	RE//II	WED B
										LOGGED BI	NEVI	

(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.

<b>Queensland</b> Government	
---------------------------------	--

## GEOTECHNICAL BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 FINAL 25/06/2015

BH231

Sheet 3 of 3

BOREHOLE No

REFERENCE No

H12165

	_												
PROJECT Ipswich Motorway Upgrade - Rocklea to Darra													
LOCATION	OCATION Little Doris Creek Bridge COORDINATES 498347.0 E; 6950885.1 N									35.1 N			
PROJECT No FG6202			SURFACE RL 3.49m		NGE S	90°	DATE STARTED 07/05/2015		grid datum N	1GA94 Z5	6		
JOB No		201/416/003			HEIGHT DATUM AHD		BEARING °		DATE COMPLE	ETED 08/05/2015	driller N	lorth Coas	st
(m) HL R.L. (m)	CASING	WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	ПТНОГОGY	USCS WEATHERING	INTACT STRENGTH 표두고구리 문	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
-					Clayey SAND (Residual) (Contd')		(SC)	-	- - - -				
21					Silty CLAY (Residual) Grey brown, moist, hard. High plasticity, minor fine sand. Colour changed to pale grey							8, 13, 20 N=33	SPT
22				Q	_ pale brown		(CH)		- - - - - - - - -			13, 20, 30 N=50	SPT
					SILTSTONE (Tod) XW: Recovered as dark grey,	× × × × × × × × × × × × × × × × × × ×			- - - - - - - -		13, 23, 3	30/130mm -	SPT
25					moist, hard Silty Clay. High plasticity.	*****			- - - - - - - - - -			14, 23, 30 - N=53	
26 26 				S		*****			- - - - - -				SPT
27			(0)	т	Colour changed to dark grey.	*****	xw		- - - -			12, 18, 28 N=46	SPT
- - - - -						****		-	-				
- 28 			100 (0)			*********		E E E - L C -	-				
-26.41			100		Borehole completed at 29.90m	****		-	-				
RENVOR	(ر.		od - D	arra	formation							DC) // C	
REMARKS: Tod - Darra formation.									LOGGED BY REVIEWED BY				
					THE C	FOTEC	INICAL	DREHOLE LOG - CREATED WI	ITH HOI FRASE SI		JL/MS		SF

(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.

## CORE PHOTO LOG F: GEOT043/3 DEPARTMENT OF TRANSPORT AND MAIN ROADS Geotechnical Section



Project Name Ipswich Motorway Upgrade – Rocklea to Darra										
Project No.	FG6202	Date Completed	08/05/2015							
Borehole No.	BH231	Reference Number	H12165							
Location	36470.3 E; 151754.9 N	Start Depth (m)	27.0							
Submitted By	DP	Finish Depth (m)	29.9							
	-		20.0							
Remarks			ADX ACTION A							
0 100	200 300	400 500 600 LE (mm)	700							
	SCA									

Page 1 of 1