

## **COPYRIGHT NOTICE**

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (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**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH211**

Sheet 1 of 2

REFERENCE No **H12156**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra				
LOCATION	Oxley Creek Bridge		COORDINATES 498973.5 E; 6951034.2 N		
PROJECT No	FG6202	SURFACE RL	3.59m	PLUNGE	90°
				DATE STARTED	15/04/2015
				GRID DATUM	MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	16/04/2015
				DRILLER	North Coast

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0					Silty CLAY (Fill) Brown moist, <del>firm</del> <b>stiff</b> Mainly medium to high plasticity.						
1				A							1, 3, 3 N=6 SPT
2					Becoming medium plasticity.	(CI)					
3				B							1, 2, 3 N=5 SPT
4											
5	-0.91			C	Clayey SAND (Alluvium) Pale grey, moist, very loose. Fine to medium grained sand, minor wood fragments, organic odour.						1, hw, 1 N=1 SPT
6											
7				D							2, 2, 2 N=4 SPT
8				E		(SC)					1, 1, 2 N=3 SPT
9											
9.5				F	9.5m: Becoming loose.						4, 4, 5 N=9 SPT
10	-6.41										

inferred GWT

Continued on next sheet

REMARKS: Tod - Darra formation.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
MS	SF



**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH211**

Sheet 2 of 2

REFERENCE No **H12156**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 498973.5 E; 6951034.2 N	
PROJECT No	FG6202	SURFACE RL 3.59m	PLUNGE 90°
			DATE STARTED 15/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 16/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
	-7.21				Clayey SAND (Alluvium) (Contd')	(SC)					
11				G	SILTSTONE (Tod) XW: Recovered as dark grey, moist, hard Silty Clay. Low plasticity, some HW rock fragments.	XW				11, 12/55mm hb	SPT
	-9.21		(47)		SILTSTONE (Tod) MW: Dark grey, fine grained, thinly laminated, generally medium strength. Defects: LP at 0-5° (2/m) : PI/Sm ,TI, Cly Vr Joint at 25-35° (2/m) : PI/Ro, TI, some Cly Vr Joint at 80-90° (<1/m) : PI/Un, TI, some Cly Vr	MW				hb Is(50)=0.66 MPa D (12.90m) Is(50)=0.72 MPa A (12.94m)  Is(50)=0.52 MPa D (13.42m) Is(50)=0.47 MPa A (13.46m) Is(50)=0.50 MPa A (13.72m) Is(50)=0.54 MPa D (13.76m)  Is(50)=0.64 MPa A (14.35m) Is(50)=0.41 MPa D (14.40m)  UCS=3.92 MPa (14.85m)	
13			100 (73)								
14			100 (17)								
16	-12.86				SILTSTONE (Tod) HW: Dark grey, fine grained, thinly laminated, extremely low to low strength. Defects: LP at 0-5° (2/m) : PI, Sm ,TI, Cly Vr	HW				Is(50)=0.14 MPa D (15.92m) Is(50)=0.23 MPa A (15.96m)	
17			100 (0)							Is(50)=0.12 MPa D (16.82m)	
18	-13.81				SILTSTONE (Tod) XW: Recovered as dark grey, moist, hard Silty Clay. Low plasticity, some HW rock fragments.	XW					
19	-15.21		100		Borehole completed at 18.80m						

REMARKS: Tod - Darra formation.	<b>LOGGED BY</b>	<b>REVIEWED BY</b>
	MS	SF

Project Name	<b>Ipswich Motorway Upgrade – Rocklea to Darra</b>		
Project No.	FG6202	Date Completed	16/04/2015
Borehole No.	BH211	Reference Number	H12156
Location	37097.1 E; 151903.7 N	Start Depth (m)	12.8
Submitted By	DP	Finish Depth (m)	18.8
Remarks	-		

