

## **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 **BH210**

Sheet 1 of 2

REFERENCE No **H21255**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 498970.1 E; 6951111.3 N	
PROJECT No	FG6202	SURFACE RL 3.39m	PLUNGE 90°
			DATE STARTED 24/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 24/04/2015
			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	2.69				Silty CLAY (Fill) Brown, moist, very stiff. Low plasticity, some gravel and rock fragments.	(CL)					
1				A	Silty CLAY with Sand (Alluvium) Brown, moist, soft. <b>to firm</b> Medium plasticity; fine sand; some tree roots.					2, 1, 2 N=3 LL=37% PI= 17% MC=21.3% LS= 10% <75µm= 73%	SPT
2					Becoming firm Sandy Clay.	CI					
3	0.39			B						3, 3, 4 N=7	SPT
4	-0.61			C	Clayey SAND (Alluvium) Brown, moist, loose. Fine grained sand, medium plasticity clay.	(SC)					
5											
6				D	Silty SAND (Alluvium) Grey, moist, loose to medium dense. Fine grained sand,.	(SM)				2, 4, 5 N=9	SPT
7	-3.31			E	Silty CLAY (Alluvium) <b>soft to firm</b> Dark grey, moist, <b>very soft</b> . High plasticity, organic material including wooden fragments.					hw, hw, hw N<1	SPT
8						(OH)					
9	-6.11			F	Becoming Sandy Clay.					1, hw, hw N<1	SPT
					SILTSTONE (Tod) XW: Recovered as grey brown,	XW					

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 **BH210**

Sheet 2 of 2

REFERENCE No **H21255**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Bridge	COORDINATES 498970.1 E; 6951111.3 N	
PROJECT No	FG6202	SURFACE RL 3.39m	PLUNGE 90°
			DATE STARTED 24/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 24/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
													EH
-6.81					G	moist, very stiff to hard Silty Clay. Medium plasticity.	XW				16, 57/50mm hb	SPT	
-7.56			(63)			SILTSTONE (Tod) HW: Grey brown, fine grained, thinly laminated, very low to low strength.	HW				10.27m: J, (40°): Pl, Sm, OP, Cly Ct (<5mm) 10.40m: J, (70-90°): Pl-Un, Sm, TI, Cly Ct (<1mm)	D (10.80m) A (10.85m)	
			100 (87)			SILTSTONE (Tod) MW: Grey dark grey brown, fine grained, thinly laminated, low to medium strength.	MW				Is(50)=0.19 MPa Is(50)=0.19 MPa	D (11.35m) A (11.40m)	
			100 (80)			Defects: Joint at 11.94m (45°): Pl/Sm, TI, Cly Vr Joint at 12.45m (40°): Pl/Sm, TI, Cn Joint at 12.80m (80-90°): Un/Ro, TI, Cn					Is(50)=0.35 MPa Is(50)=0.52 MPa	D (11.35m) A (11.40m)	
-10.56						SILTSTONE (Tod) HW: Dark grey brown, fine grained, thinly laminated, very low strength.	HW				12.15m-12.30m: Fe stained Siltstone.	Is(50)=0.66 MPa Is(50)=0.42 MPa	D (12.54m) A (12.59m)
			100 (25)			Defects: LP (0-5°) - 2/m: Pl, Sm, TI, Cly Vr Joints (40°) - 3/m: Pl, Sm, TI, Cly Vr	XW				14.70m-15.60m: Siltstone (XW) recovered as dark grey brown, moist, stiff-hard Silty Clay. High plasticity.	Is(50)=0.52 MPa Is(50)=0.36 MPa	D (13.13m) A (13.17m)
-12.81			87				HW				UCS=2.49 MPa	A (13.56m) D (13.60m) (13.75m)	
						Borehole completed at 16.20m							

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

Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	24/04/2015
Borehole No.	BH210	Reference Number	H12155
Location	37093.8 E; 151980.7 N	Start Depth (m)	10.2
Submitted By	DP	Finish Depth (m)	16.2
Remarks	-		

