

## **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 **BH225**

Sheet 1 of 4

REFERENCE No **H12161**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Overflow Bridge	COORDINATES 498734.8 E; 6950983.4 N	
PROJECT No	FG6202	SURFACE RL 1.91m	PLUNGE 90°
			DATE STARTED 14/05/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 15/05/2015
			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
1.21					GRAVEL & COBBLES (Fill)						
1				A	Silty CLAY (Alluvium) Grey dark grey, moist, <del>very soft to soft.</del> <b>soft to firm</b> High plasticity.	(CH)				hw, hw, 2 N=2	SPT
-0.59				B	Silty SAND (Alluvium) Grey, moist, very loose to loose. Fine to medium grained sand.					5, 2, 2 N=4	SPT
				C	Becoming medium dense.					10, 12, 13 N=25	SPT
				D		(SM)				6, 8, 10 N=18	SPT
				E	Becoming Clayey Sand.					8, 10, 6 N=16	SPT
				F	Trace gravel & clay. Silty CLAY (Residual) Yellow grey, moist, very stiff. High plasticity, trace fine sand.	(CH)				3, 6, 10 N=16	SPT
-7.19											
-8.09											

Continued on next sheet

REMARKS: Tod - Darra formation.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
JL/DC	SF



**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH225**

Sheet 2 of 4

REFERENCE No **H12161**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra  
 LOCATION Oxley Creek Overflow Bridge COORDINATES 498734.8 E; 6950983.4 N  
 PROJECT No FG6202 SURFACE RL 1.91m PLUNGE 90° DATE STARTED 14/05/2015 GRID DATUM MGA94 Z56  
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 15/05/2015 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
11				G	Silty CLAY (Residual) (Contd')	(CH)				4, 8, 14 N=22	SPT
12				H						7, 12, 15 N=27	SPT
13	-11.09			J	SILTSTONE (Tod) XW: Recovered as pale grey, moist, hard, Silty CLAY. High plasticity.					8, 14, 22 N=36	SPT
15				K						10, 19, 26 N=45	SPT
17				L	Colour changed to grey.	XW				14, 24, 30/90mm	SPT
18				M						9, 14, 19 N=33	SPT
19				N						10, 18, 24 N=42	SPT
	-18.09										

Continued on next sheet

REMARKS: Tod - Darra formation.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
JL/DC	SF



**Queensland  
Government**

**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH225**

Sheet 3 of 4

REFERENCE No **H12161**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Overflow Bridge	COORDINATES 498734.8 E; 6950983.4 N	
PROJECT No	FG6202	SURFACE RL 1.91m	PLUNGE 90°
			DATE STARTED 14/05/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 15/05/2015
			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		
												EH	VH
21				P	SILTSTONE (Tod) XW: (Contd')	X						20, 29, 30/130mm	SPT
22				Q		X						13, 22, 30/80mm	SPT
23					Recovered as Sandy Clay. Low plasticity.	X	XW						
24				R		X						30/80mm	SPT
25				S		X						30/90mm	SPT
26	-24.59		(0)		SILTSTONE (Tod) XW: Recovered as: Dark grey brown, moist, hard, silty CLAY.	X						Is(50)=0.04 MPa Is(50)=0.12 MPa	D (26.67m) A (26.71m)
27						X						Is(50)=0.04 MPa Is(50)=0.08 MPa	D (27.24m) A (27.31m)
28			100 (0)			X	XW					Is(50)=0.08 MPa Is(50)=0.13 MPa	D (27.90m) A (27.95m)
29			100 (0)			X						Is(50)=0.08 MPa Is(50)=0.13 MPa UCS=1.01 MPa	D (28.60m) A (28.65m) (28.80m)
						X						Is(50)=0.10 MPa Is(50)=0.08 MPa	D (29.11m) A (29.15m)
	-28.09					X						Is(50)=0.12 MPa Is(50)=0.05 MPa	D (29.76m) A (29.80m)

Continued on next sheet

REMARKS: Tod - Darra formation.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
JL/DC	SF



**Queensland Government**

**GEOTECHNICAL BOREHOLE LOG**

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

BOREHOLE No **BH225**

Sheet 4 of 4

REFERENCE No **H12161**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra  
 LOCATION Oxley Creek Overflow Bridge COORDINATES 498734.8 E; 6950983.4 N  
 PROJECT No FG6202 SURFACE RL 1.91m PLUNGE 90° DATE STARTED 14/05/2015 GRID DATUM MGA94 Z56  
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 15/05/2015 DRILLER North Coast

DEPTH (m)	R.L. (m)	AUGER 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	YH	H	M	L	J	VI	EL	EC	VC	C	M	W	VW	EW
-28.65			100		SILTSTONE (Tod) XW: (Cont'd) Borehole completed at 30.56m	XXXXXXXXXX	XW			UCS=0.63 MPa Is(50)=0.19 MPa Is(50)=0.25 MPa	(30.10m) D (30.40m) A (30.44m)															
31																										
32																										
33																										
34																										
35																										
36																										
37																										
38																										
39																										

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

TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE S1

Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	15/05/2015
Borehole No.	BH225	Reference Number	H12161
Location	36858.4 E; 151852.9 N	Start Depth (m)	26.5
Submitted By	DP	Finish Depth (m)	30.56
Remarks	-		

