

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**

Department of
Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No **BH12**

SHEET **1** of **2**

REFERENCE No **H9753**

PROJECT **IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION**

LOCATION **Pier 4, Chainage 736, 0.5m left of control MCB1-C.** COORDINATES **30051.3 E; 147436.9 N**

PROJECT No **FG5404** SURFACE R.L. **20.90** DATE STARTED **09/10/05** DATUM **Ipswich Motorway**

JOB No **148/17A/57** DATUM **AHD** DATE COMPLETED **09/10/05** DRILLER **Drillsure**

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	20.90											
	20.75			(100) 100		CONCRETE						
						SILTY GRAVEL (Fill)						
						Becoming Clayey Silt and Sand with depth. Base on drillers log.						
1												
	19.40					CLAYEY SAND and GRAVEL - CONTAMINATED (Fill)						
						Strong petroleum odour.					Sample Retained	
2												
	18.40					PEAT / CLAYEY SILT (Fill?)					10,14/120 N>50	SPT
						Peat is earthy black, moist, sandy silt is moist, fine grained, hard, possibly an HW sandstone used as fill.						
3												
	17.10					SANDSTONE						
						Grey to pale orange yellow, moist, fine to medium grained.					9,12,18 N=30	SPT
4						Exhibits properties of medium dense - dense Clayey Sand.						
						Clay content increases with depth.						
5												
6											12,14,20 N=34	SPT
7												
											5,15,14 N=29	SPT
8	12.80					SILTSTONE						
						Grey with red concretions, low plasticity, moist.					3,11,21 N=32	SPT
						Exhibits properties of dense - very dense slightly sandy Silt.						
9												
10												

REMARKS **No groundwater reported during drilling. See Additional Descriptive Coding sheet for abbreviations.**

LOGGED BY
J. Kleindienst



**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/3-2005

BOREHOLE No BH12

SHEET 2 of 2

REFERENCE No H9753

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Pier 4, Chainage 736, 0.5m left of control MCB1-C. COORDINATES 30051.3 E; 147436.9 N

PROJECT No FG5404 SURFACE R.L. 20.90 DATE STARTED 09/10/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 09/10/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)			GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
								EH	VH	H	M	L	J	VL	EL	20		60	200	
10	10.90					Siltstone Cont'd. As above, yellow brown in colour.	XW												30/90 N>50	SPT
11	9.40					SHALE Brown, fine grained, fissile, very low strength.	HW												12,30/120 N>50	SPT
12	8.90		(95)			SANDSTONE Brown to pale yellow, fine grained, sub horizontal bedding.	MW												Is(50)=0.17 MPa Is(50)=0.28 MPa	x o
13	8.52					Brown to grey, fine grained, sub horizontal laminations, low strength.	MW												Is(50)=0.27 MPa Is(50)=0.36 MPa Is(50)=0.22 MPa Is(50)=0.24 MPa	x o x o
14	7.80					Grey to brown, as above, low - medium strength, very few defects.	MW-SW												Is(50)=0.28 MPa Is(50)=0.56 MPa	x o
15	5.90		100			Borehole terminated at 15m													Is(50)=0.33 MPa Is(50)=0.55 MPa Is(50)=0.28 MPa Is(50)=0.73 MPa	x o x o
16																				
17																				
18																				
19																				
20																				

REMARKS No groundwater reported during drilling. See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst

Project: **Ipswich Motorway / Logan Motorway Interchange**
Borehole No: **BH12**
Start Depth: 12.0m
Finish Depth: 15.0m
Project No: FG5404
H No: 9757

