

## **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 **BH6**

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

REFERENCE No **H9629**

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

LOCATION **Pier 9, Approximate Chainage 219m on control MCK1-C.** COORDINATES **29588.5 E; 147305.1 N**

PROJECT No **FG5404** SURFACE R.L. **22.70** DATE STARTED **11/07/05** DATUM **Ipswich Motorway**

JOB No **148/17A/57** DATUM **AHD** DATE COMPLETED **11/07/05** DRILLER **Drillsure**

DEPTH (m)	R.L. (m)	AUGER CASING 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	J	VL	EL	20	60	200				600	2000
0	22.70						GM															
	22.50					<b>SILTY GRAVEL</b> (Residual) Grey.																
						<b>SANDSTONE</b>																
						Pale grey-yellow brown, minor red iron staining, fine grained. Exhibits engineering properties of very dense Clayey Sand and Gravel. Slightly cemented in parts.	XW															
1							HW															
	21.20																					
			(80)			Pale grey with yellow-brown iron staining. Medium grained with clayey matrix. Coarse grained in parts. Occasional XW or HW clayey bands up to 60mm thick.	SW															
2						Bedding ~10° with local variations to 20°. Defects mostly dip ~10° or 80°. Defect surfaces are mostly PL, SM or R, often with a thin clayey film or infill.																
			100 (83)			Some drilling induced BPP's throughout.	MW															
3																						
	18.95					As above, minor iron staining in parts.																
4																						
			100 (100)				MW-SW															
5																						
	16.70		93																			
6						Borehole terminated at 6m																
7																						
8																						
9																						
10																						

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

LOGGED BY  
**JML**

Project: **Ipswich Motorway / Logan Motorway Interchange**  
Borehole No: **BH6**  
Start Depth: **1.50m**  
Finish Depth: **6.00m**  
Project No: **FG5404**  
H No: **9629**

