

## **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://ggd.org.au/>



**Queensland  
Government**

Department of  
**Main Roads**

# ENGINEERING BOREHOLE

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

BOREHOLE No **BH24**

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

REFERENCE No **H9758**

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

LOCATION **Retaining Wall 6, Approximate Chainage 782m, 6m left of control MCJ1-C.** COORDINATES **29768.0 E; 147263.1 N**

PROJECT No **FG5404** SURFACE R.L. **29.60** DATE STARTED **17/10/05** DATUM **Ipswich Motorway**

JOB No **148/17A/57** DATUM **AHD** DATE COMPLETED **17/10/05** 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	29.60											
1	29.40					<b>SILT</b> (Topsoil) Grey. <b>CLAYEY SILT</b> (Residual) Brown. Based on drillers logs only.						
1	28.70											
1	28.40					<b>SANDY CLAY</b> (Residual) Pale grey - brown, minor iron staining, slightly moist, hard. <b>SHALE</b> Grey - brown. Based on drillers logs only.	CL-CL				10/50mm N>50	SPT
2												
2	27.20					<b>SANDSTONE</b> Pale grey, minor orange iron staining, fine grained, moist. Contains fragments of less weathered rock up to 10mm size. Exhibits properties of very dense Clayey Sand and Gravel.	HW				30/80mm N>50	SPT
3												
4	25.60		(57)			Pale grey with minor brown iron staining, fine grained. Quartzose with slightly clayey matrix. Bedding generally 0°-10° with massive medium to coarse grained bands in parts. Contains some HW or shale bands.	MW-SW				5/0 mm HB N>50 Numerous rehealed Jts. 10° PL, T. Is(50)=0.14 MPa Is(50)=0.78 MPa	SPT x o
5											Is(50)=0.32 MPa Is(50)=0.29 MPa	x o
6	23.58										HW band. Is(50)=0.22 MPa Is(50)=0.48 MPa	o x
7	22.40		89 (85)			Yellow brown iron staining below 6.8m. HW Sandstone is friable in parts. Most defects parallel bedding or are drilling induced BPP's. Defect surfaces are mostly PL, SM, C. Some surfaces have slight iron staining or a thin clay film.	HW				Shale band. Properties of hard Clay. Broken up during drilling. Friable in parts. Is(50)=0.26 MPa Is(50)=0.23 MPa	x o
8											Shale band. Dark grey, thinly laminated, 10°. Is(50)=0.22 MPa Is(50)=0.20 MPa	x o
9	20.60										Generally massive band. Is(50)=0.39 MPa Is(50)=0.54 MPa	x o
10			100 (97)			Pale grey, trace iron staining. Medium grained, thin carbonaceous interlaminae in parts.	SW				Is(50)=0.17 MPa Is(50)=0.24 MPa	x o

REMARKS **No groundwater reported during drilling. Hole set up as groundwater monitoring point. See Additional Descriptive**

Coding sheet for abbreviations.

LOGGED BY  
**JML**



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

REFERENCE No **H9758**

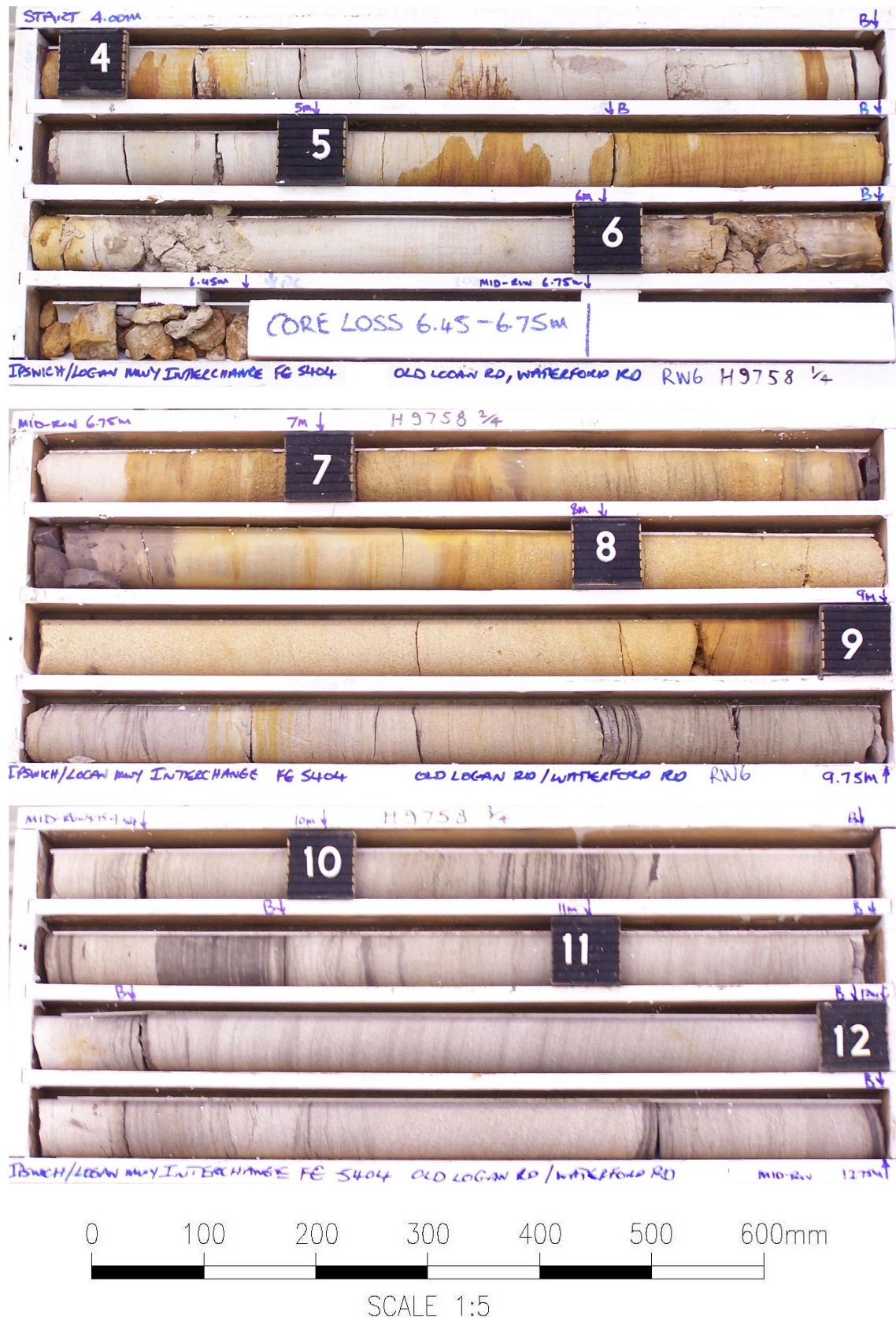
JOB No	148/17A/57	DATUM	AHD	DATE COMPLETED	17/10/05	DRILLER	Drillsure
--------	------------	-------	-----	----------------	----------	---------	-----------

ENGINEERING BOREHOLE FG5404 - BOREHOLES.GPJ QLD MAIN ROADS.GDT 17/11/05

Coding sheet for abbreviations.

JML

Project: **Ipswich Motorway / Logan Motorway Interchange**  
 Borehole No: **BH24**  
 Start Depth: 4.00m  
 Finish Depth: 15.60m  
 Project No: FG5404  
 H No: 9758



Project: **Ipswich Motorway / Logan Motorway Interchange**  
Borehole No: **BH24**  
Start Depth: 4.00m  
Finish Depth: 15.60m  
Project No: FG5404  
H No: 9758

