

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 BH32

SHEET 1 of 2

REFERENCE No H9736

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Wooraroo Creek. Near Pier 2. Approximate Chainage 12588m, 32m right of Control MC20. COORDINATES 28875.7 E; 146990.5 N

PROJECT No FG5404 SURFACE R.L. 4.70 DATE STARTED 24/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 24/08/05 DRILLER Drillsure

DEPTH (m)	R.L. (m)	ALIGER 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	I	M	J	V				
0	4.70					SILT (Topsoil) Pale brown.											
4.20						SLIGHTLY CLAYEY SAND (Alluvium) Brown, moist, loose, fine grained.										1,2,2 N=4 SPT	
2.20						SILTY CLAY (Alluvium) Grey, with some light iron staining, moist, firm, medium to high plasticity.										1,1,3 N=4 SPT	
-0.80						SANDY CLAY (Alluvium) Pale yellow, moist, medium dense, fine grained sand.										4,7,9 N=16 SPT	
-2.30						SILTY CLAY (Alluvium) Pale yellow iron staining with some grey patches, moist, very stiff, low plasticity. Very slight fine sand content.										5,8,11 N=19 SPT	
-3.80						SANDSTONE Brown, slightly moist, low to medium strength rock.										16/50mm HB N>50 SPT	
-4.70						Pale yellow, medium to coarse grained, low - medium strength, massive.										Is(50)=0.07 MPa Is(50)=0.20 MPa Jt, subhoriz., clay infil. Clayey HW mudstone.	

REMARKS 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 BH32

SHEET 2 of 2

REFERENCE No H9736

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Woogaroo Creek. Near Pier 2. Approximate Chainage 12588m, 32m right of Control MC20. COORDINATES 28875.7 E; 146990.5 N

PROJECT No FG5404 SURFACE R.L. 4.70 DATE STARTED 24/08/05 DATUM Ipswich Motorway

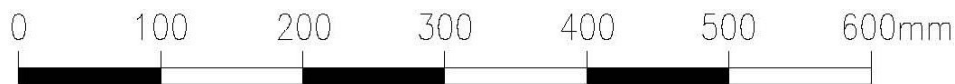
JOB No 148/17A/57 DATUM AHD DATE COMPLETED 24/08/05 DRILLER Drillsure

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	
								EH	VH	HM	J	VL	EL					20
10	-5.30																	
	-5.50			100		Sandstone Cont'd.	MW									Jt, rough, 20°.		
	-5.74					CARBONACEOUS SILTSTONE Dark grey, laminated, sub horizontal bedding.	HW											
						SANDSTONE Grey, medium grained, massive.	SW										Is(50)=0.24 MPa Is(50)=0.86 MPa	x o
	-6.78					CARBONACEOUS SILTSTONE Dark grey, laminated, fine grained carbonaceous, subhorizontal bedding, few defects.	SW										Is(50)=0.80 MPa Is(50)=1.71 MPa	x o
	-7.92			100												Jt, clay infill. Clayey with coal laminations	Is(50)=0.32 MPa Is(50)=0.99 MPa	x o
13						Borehole terminated at 12.62m												
14																		
15																		
16																		
17																		
18																		
19																		
20																		

REMARKS See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst

Project: **Ipswich Motorway / Logan Motorway Interchange**
Borehole No: **BH32**
Start Depth: 9.40m
Finish Depth: 12.62m
Project No: FG5404
H No: 9736



SCALE 1:5