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Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH31

SHEET 1 of 2

REFERENCE No H9735

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Woogaroo Creek. Near Pier 1, Approximate Chainage 12561m, 27m right of Control MC20. COORDINATES 28902.9 E; 146987.2 N

PROJECT No FG5404 SURFACE R.L. 4.70 DATE STARTED 19/08/05 DATUM Ipswich Motorway

JOB No 148/17A/57 DATUM AHD DATE COMPLETED 19/08/05 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	EH	EH	EH	EH	EH				
0	4.70					SLIGHTLY CLAYEY SILT (Fill?) Grey brown, moist, firm, low plasticity. Fine gravel fraction present, contains organic matter such as grass roots, etc.											
1																	2,4,5 N=9 SPT
2																	
2.20						SANDY CLAY (Alluvium) Brown, moist, firm, low to medium plasticity, some organic matter present.	CL										5,4,5 N=9 SPT
3																	
4	0.70					SAND (Alluvium) Grey, moist, loose becoming very dense with depth. Medium to coarse grain size, quite "clean" sands, with minimal clay or fines content.											1,2,2 N=4 SPT
5																	
6																	1,4,4 N=8 SPT
7							SP										
8																	3,3,6 N=9 SPT
9																	4,12,30/60mm N>50 SPT
10																	

REMARKS See Additional Descriptive Coding sheet for abbreviations.

LOGGED BY
J. Kleindienst



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ENGINEERING BOREHOLE

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

BOREHOLE No BH31

SHEET 2 of 2

REFERENCE No H9735

PROJECT IPSWICH MOTORWAY / LOGAN MOTORWAY GEOTECHNICAL INVESTIGATION

LOCATION Woogaroo Creek. Near Pier 1, Approximate Chainage 12561m, 27m right of Control MC20. COORDINATES 28902.9 E; 146987.2 N

PROJECT No FG5404 SURFACE R.L. 4.70 DATE STARTED 19/08/05 DATUM Ipswich Motorway

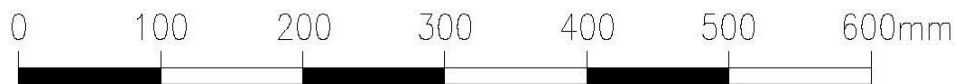
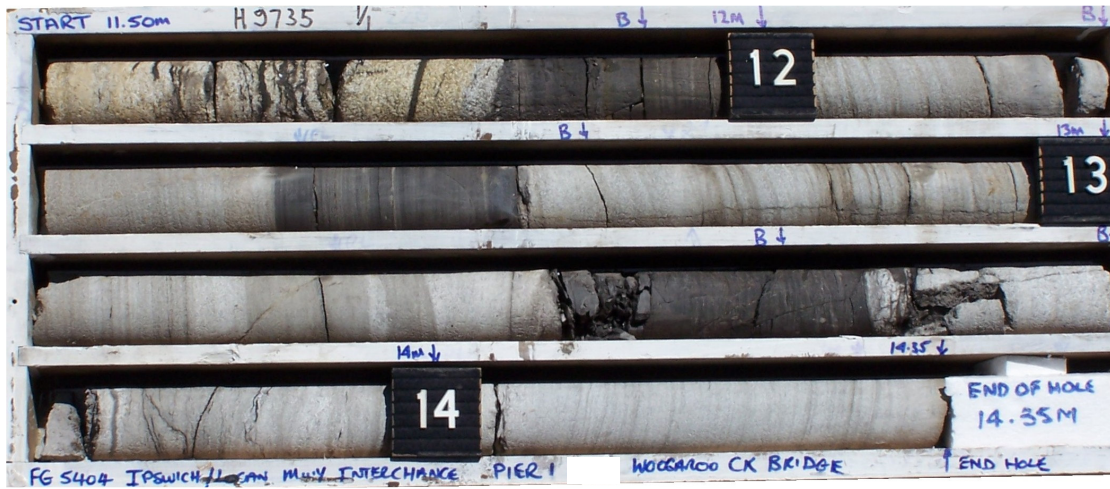
JOB No 148/17A/57 DATUM AHD DATE COMPLETED 19/08/05 DRILLER Drillsure

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	JL	VL				
10	-5.30					Sand Cont'd. As above.	SP							3,6,10/50mm N>50	SPT	
	-5.60					SANDSTONE Orange-brown sandstone - driller's log. Possibly XW - MW?	XW-MW									
	-6.80					SANDSTONE and SILTSTONE Interbeds Sandstone is grey, fine to medium grained, massive with occasional coaly inclusions, and very few defects. Bedding is subhorizontal to about 20°. The siltstone interbeds are about 200mm thick, fine grained, carbonaceous, and finely laminated, with subhorizontal bedding. Joints in both types of rock are generally planar, clean or filled with coal.	SW						Jt, 10°, coal filled SW carbonaceous siltstone band, fine grained, finely laminated Jt/BPP, 10° Is(50)=0.14 MPa SW carbonaceous siltstone - as above Is(50)=0.27 MPa Jt, 20° Is(50)=0.32 MPa Jt, subhorizontal Jt, subhorizontal SW carbonaceous siltstone - as above Jt, 20° Jt, subhorizontal	x o o x		
	-9.64		100			Borehole terminated at 14.35m							Is(50)=2.91 MPa Is(50)=2.90 MPa	x o		
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: **BH31**
Start Depth: 11.50m
Finish Depth: 14.35m
Project No: FG5404
H No: 9735



SCALE 1:5