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**Queensland
Government**

Department of
Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH19

SHEET 1 of 1

REFERENCE No H9775

PROJECT Caboolture River Bridge Foundation Investigation

LOCATION Pier 8 - 13.8m right (along skew) of existing southbound bridge C/L COORDINATES 497597.2 E; 7003622.4 N

PROJECT No FG5439 SURFACE R.L. -3.00 DATE STARTED 26/10/05 DATUM MGA94 Zone 56

JOB No 25/10A/60C DATUM AHD DATE COMPLETED 26/10/05 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	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	VL	EL	20	60			
0	-3.00					Silty CLAY (Alluvium): Dark grey.											According to drilling supervisors log only above 0.7m.		
1	-4.00					SANDSTONE: XW: Pale grey, some orange-brown ironstaining, fine grained, extremely low strength, soil properties of a hard sandy clay. HW: Dark orange-brown, ironstained, fine to medium grained, very low strength.	XW										19,15,22/90 N>50	SPT	
3	-5.40		(95)			MW: Orange-brown, ironstained, medium to coarse grained, medium strength, occasional subhorizontal siltstone laminae and bands of rip up clasts. Defects: Occasional subhorizontal bedding partings.	MW										30/65,-,- N>50	SPT	
4	-6.82					SW: Light grey, medium to coarse grained, medium strength, trace of orange-brown ironstaining, occasional subhorizontal dark grey siltstone laminae and rip up clasts. Defects: Occasional subhorizontal bedding partings.	SW										Is(50)=0.19 MPa Is(50)=0.34 MPa	x o	
5	-8.40		100			Borehole terminated at 5.4m											Is(50)=0.72 MPa Is(50)=0.84 MPa	x o	
6																	Is(50)=0.26 MPa Is(50)=0.40 MPa	x o	

REMARKS _____

LOGGED BY
A O'Rourke

Project: FOUNDATION INVESTIGATION FOR THE WIDENING OF THE CAPTAIN WHISH BRIDGES (NORTH AND SOUTHBOUND) – CABOOLTURE RIVER

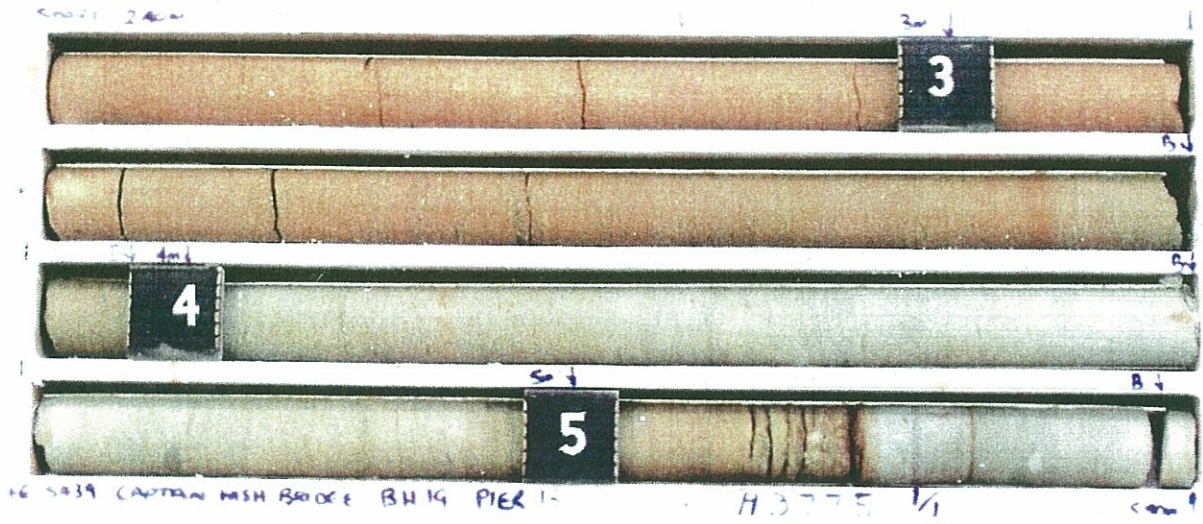
Borehole No: BH19 Pier 16

Start Depth: 2.40m

Finish Depth: 5.40m

Project No: FG5439

H No: 9775



SCALE 1:5

F:GEOT043/1

Point Load Strength Index - Test Report

Project: CABOOLTURE RIVER BRIDGE
Project No: FG 5439

Date Sampled 26/10/05
Feature: PIER 8
Sample Type: NMLC ROCK CORE

Date Tested 9/12/05

Report No. FG 5439/6/GS05/818AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/818-A	BH19	2.67	D	0.19	0.19	L	Sandstone
GS05/818-B	BH19	2.69	A	0.37	0.34	M	Sandstone
GS05/818-C	BH19	3.35	D	0.72	0.72	M	Sandstone
GS05/818-D	BH19	3.38	A	0.89	0.84	M	Sandstone
GS05/818-E	BH19	4.69	D	0.26	0.26	L	Sandstone
GS05/818-F	BH19	4.72	A	0.44	0.40	M	Sandstone

Sample Remarks

* D - Diametral; A - Axial; B - Block; I - Irregular;

** EL - Extremely Low; VL - Very Low; L - Low; M - Medium; H - High; VH - Very High; EH - Extremely High (taken from AS1726 Table 8A)

Remarks / Variations to Test Procedures:

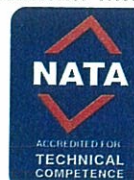
Test Method: AS4133.4.1

Software Version 2.03 April 2005

Client Name: RS&E STRUCTURES DIVISION
Client Address: PO BOX 1412 SPRING HILL 4001

Signatory

(Peter Reynolds)



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