Queensland Government
Department of Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH18
SHEET 1 of 1
REFERENCE No H9774

PROJECT Caboolture River Bridge Foundation Investigation
LOCATION Pier 7 - 14.8m right (along skew) of existing southbound bridge C/L
COORDINATES 497599.1 E; 7003599.2 N
PROJECT No FG5439
SURFACE R.L. -2.70
DATE STARTED 25/10/05
DATUM MGA94 Zone 56
JOB No 25/10A/60C
DATUM AHD
DATE COMPLETED 25/10/05
DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	CASING / WASH BORING / CORE DRILLING	RQD ( )% CORE REC %	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL EL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
0	-2.70												
	-3.10				**Alluvium:** Dark grey.						According to drilling supervisor's log above 0.4m.		
1	-3.98				**Gravelly SAND (Alluvium):** Grey-brown, moist, coarse grained, fine to medium gravel up to 10mm.	SP					30/120,-,- N>50		SPT
2	-5.20				**SANDSTONE:** HW: Orange-brown, ironstained, fine to medium grained, very low strength, subhorizontal laminations visible.	HW							
3			(97)		SW: Light grey, fine to medium grained, medium strength, trace of orange-brown ironstaining above 3m, occasional dark grey siltstone laminae and rip up clasts. Defects: Occasional subhorizontal planar bedding partings.	SW / MW					No penetration. -5.2 11/0,-,- N>50 Is(50)=0.53 MPa Is(50)=0.99 MPa		SPT x o
4						SW					Is(50)=0.63 MPa		x
5	-8.20		100								5.24m: Subhorizontal planar bedding parting along 2mm black vitreous coal laminae. Is(50)=0.28 MPa Is(50)=0.46 MPa		x o
6					Borehole terminated at 5.5m						-8.5		
7													
8													
9													
10													

REMARKS

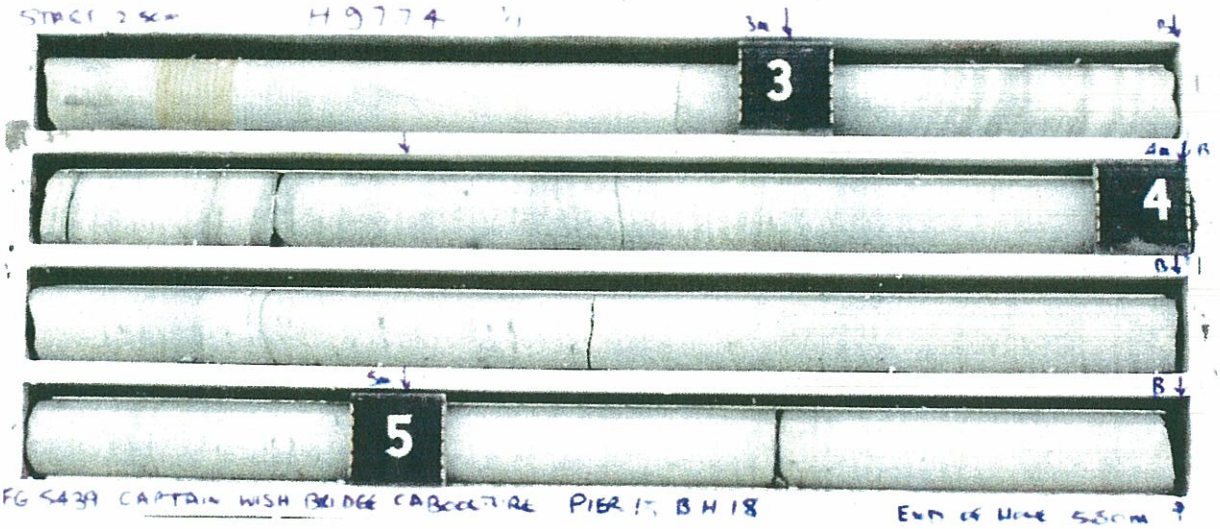
LOGGED BY
A O'Rourke

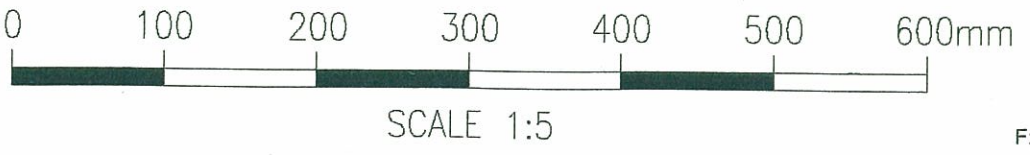
ENGINEERING BOREHOLE CABOOLTURE R BRIDGE WIDENINGS.GPJ QLD MAIN ROADS.GDT 23/02/06

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

Borehole No: **BH18 Pier 15**

Start Depth: 2.50m
Finish Depth: 5.50m
Project No: FG5439
H No: 9774





F:GEOT043/1

Queensland Government
Department of Main Roads

Main Roads Department
Geotechnical Branch
35 Butterfield Street
Herston Qld 4006

Point Load Strength Index - Test Report

Project: CABOOLTURE RIVER BRIDGE
Project No: FG 5439

Date Sampled 25/10/05
Feature: PIER 7
Sample Type: NMLC ROCK CORE

Date Tested 9/12/05

Report No. FG 5439/5/GS05/817AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/817-A	BH18	2.55	D	0.54	0.53	M	Sandstone
GS05/817-B	BH18	2.58	A	1.08	0.99	M	Sandstone
GS05/817-C	BH18	4.05	D	0.63	0.63	M	Sandstone
GS05/817-D	BH18	4.09	A	0.10	0.15	L	Sandstone
GS05/817-E	BH18	5.30	D	0.28	0.28	L	Sandstone
GS05/817-F	BH18	5.34	A	0.53	0.46	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 19/12/05
(Peter Reynolds)

NATA ACCREDITED FOR TECHNICAL COMPETENCE

Accreditation Number: 2302
Accredited for compliance with ISO/IEC 17025

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