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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 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	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
0	-2.70							EH VH I M J L V L EL	20 40 60 80 100 120 140 160 180 200				
	-3.10					Alluvium: Dark grey.					According to drilling supervisor's log above 0.4m.		
						Gravelly SAND (Alluvium): Grey-brown, moist, coarse grained, fine to medium gravel up to 10mm.	SP						
1	-3.98										30/120,- N>50	SPT	
						SANDSTONE: HW: Orange-brown, ironstained, fine to medium grained, very low strength, subhorizontal laminae visible.	HW						
2													
	-5.20				(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.	SW				No penetration. -5.2	11/0,- N>50	SPT
3						Defects: Occasional subhorizontal planar bedding partings.	MW				Is(50)=0.53 MPa Is(50)=0.99 MPa	o	
4							SW				Is(50)=0.63 MPa	x	
5											5.24m: Subhorizontal planar bedding parting along 2mm black vitreous coal laminae.	x	
	-8.20		100			Borehole terminated at 5.5m					Is(50)=0.28 MPa Is(50)=0.46 MPa	o	
6											-8.5		
7													
8													
9													
10													

REMARKS

LOGGED BY  
A O'Rourke

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

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

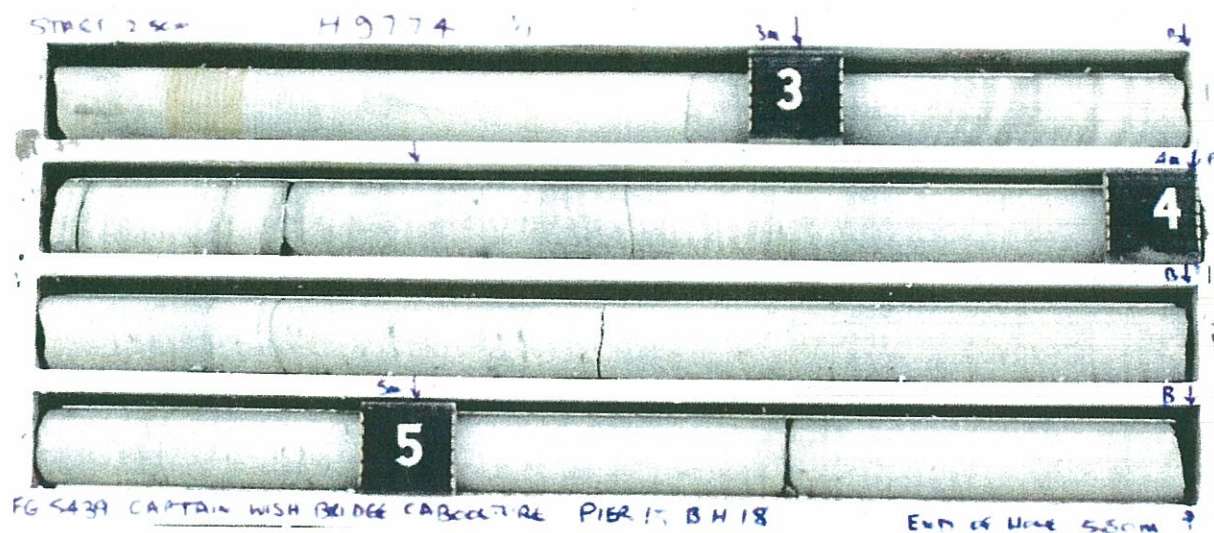
Borehole No: **BH18 Pier 15**

Start Depth: 2.50m

Finish Depth: 5.50m

Project No: FG5439

H No: 9774







# 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 .....

( Peter Reynolds )



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