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# ENGINEERING BOREHOLE

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

BOREHOLE No BH8  
SHEET 1 of 1  
REFERENCE No H9771

PROJECT Caboolture River Bridge Foundation Investigation  
LOCATION Pier 7 - 15.5m left (along skew) of existing northbound bridge C/L COORDINATES 497549.4 E; 7003578.3 N  
PROJECT No FG5439 SURFACE R.L. -2.80 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
0	-2.80					Alluvium: Dark grey.					According to drilling supervisor's log above 1.0m.	
1	-3.66					Gravelly SAND (Alluvium): Pale grey-brown, wet, loose, coarse grained, fine gravel.	SP				4,30/140,- N>50	SPT
2	-3.95					SANDSTONE: HW: Orange-brown, ironstained, medium grained, extremely low to low strength.						
3						Conglomerate band between 1.4-2.4m. Fine to medium sized quartz, chert and red ironcemented sandstone gravel fragments.	HW				30/100,- N>50	SPT
4						XW brown mudstone band 3.44-3.45m.					Is(50)=0.01 MPa Is(50)=0.02 MPa Is(50)=0.26 MPa	x o o
5	-7.00					MW: Orange-brown, ironstained, medium grained, low to medium strength, occasional thin dark brown to black carbonaceous laminae.	MW				Is(50)=0.04 MPa Is(50)=0.11 MPa	x o
6						Defects: Occasional subhorizontal bedding partings.					Is(50)=0.32 MPa Is(50)=0.59 MPa	x o
7						Very low to low strength HW band 5.75-5.95m.	HW					
8	-9.10					SW: Light grey, medium to coarse grained, high strength, occasional gravel bands.	SW				Is(50)=1.42 MPa Is(50)=0.89 MPa	x o
9						Coarse grained below 7.32m.					7.25-7.28m: Conglomerate band.	
10						Defects: Occasional subhorizontal bedding partings.					7.66-8.04m: Numerous conglomerate bands.	
11	-11.15					Borehole terminated at 8.35m						

REMARKS

LOGGED BY  
A O'Rourke



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

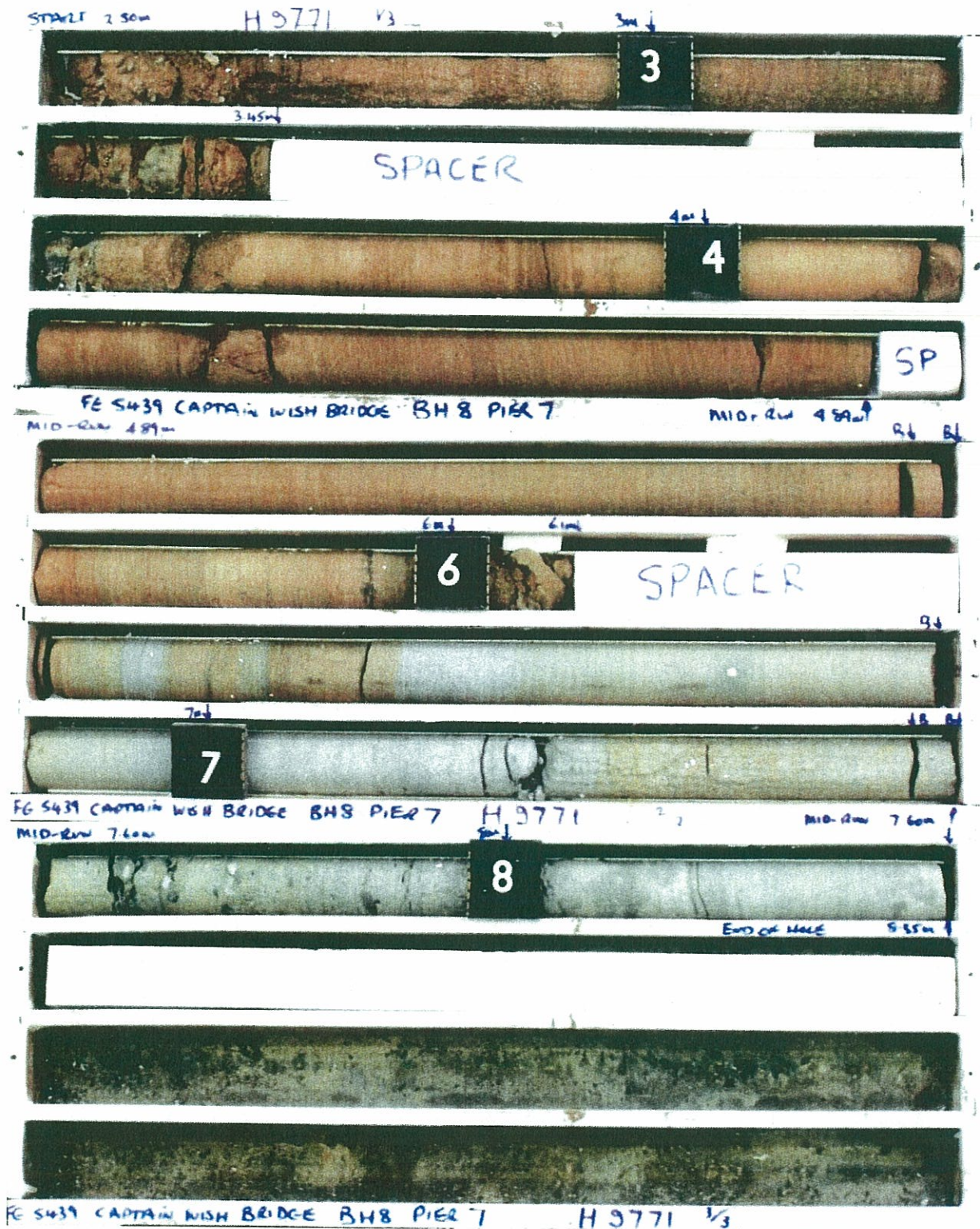
Borehole No: BH8 Pier 7

Start Depth: 2.50m

Finish Depth: 8.35m

Project No: FG5439

H No: 9771



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 7

Sample Type: NMLC ROCK CORE

Date Tested 6/12/05

Report No. FG 5439/1/GS05/810/AS4133.4.1

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/810-A	BH8	2.98	D	0.01	0.01	EL	Sandstone
GS05/810-B	BH8	3.00	A	0.02	0.02	EL	Sandstone
GS05/810-C	BH8	3.22	A	0.29	0.26	L	Sandstone
GS05/810-D	BH8	3.92	D	0.04	0.04	VL	Sandstone
GS05/810-E	BH8	3.94	A	0.12	0.11	L	Sandstone
GS05/810-F	BH8	5.04	D	0.33	0.32	M	Sandstone
GS05/810-G	BH8	5.08	A	0.61	0.59	M	Sandstone
GS05/810-H	BH8	6.44	D	1.41	1.42	H	Sandstone
GS05/810-J	BH8	6.47	A	1.04	0.89	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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