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**ENGINEERING  
BOREHOLE**

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

BOREHOLE No     BH1    

SHEET     1     of     2    

REFERENCE No     H9781    

PROJECT     Caboolture River Bridge Foundation Investigation      
 LOCATION     Abutment A - 12.8m left (along skew) & 3.6m north of existing nthbound bridge C/L     COORDINATES     497556.0 E; 7003460.6 N      
 PROJECT No     FG5439     SURFACE R.L.     4.82     DATE STARTED     03/11/05     DATUM     MGA94 Zone 56      
 JOB No     25/10A/60C     DATUM     AHD     DATE COMPLETED     03/11/05     DRILLER     Drillsure Pty Ltd    

DEPTH (m)	R.L. (m)	AUGER 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
								BH	I	S	J	V	L				
0	4.82					<b>Silty Clay (Alluvium):</b> Mottled brown and grey, moist.									According to Drilling Supervisor's log only above 1.0m.		
1	3.82					<b>Clayey SAND (Alluvium):</b> Pale orange-brown, moist, medium dense, medium to coarse grained, some low to medium plasticity clay fines.									4,8,8 N=16	SPT	
2						Fine to medium grained and more clayey below 2.0m.	SC										
3															4,5,7 N=12	SPT	
4	1.02					<b>Silty CLAY (Alluvium):</b> Grey-brown, moist, firm, high plasticity, trace of minor orange-brown ironstained lenses, some white mottles and fine gravel.									2,2,4 N=6	SPT	
5							CH										
6	-0.73					<b>Clayey Gravelly SAND (Alluvium):</b> Grey-brown, moist, medium dense, coarse grained, fine to medium gravel up to 20mm, grey high plasticity clayey fines.									6,10,8 N=18	SPT	
7							SP										
8	-3.18					<b>Gravelly SAND (Alluvium):</b> Pale brown, moist, medium dense, coarse grained sand, fine to medium gravel up to 10mm, trace of grey-brown clay.									4,6,7 N=13	SPT	
9						Less sand and more gravel with depth.									6,9,9 N=18	SPT	
10	-5.18						SP										

REMARKS

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LOGGED BY  
A O'Rourke



Queensland Government

Department of Main Roads

ENGINEERING BOREHOLE

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

BOREHOLE No BH1

SHEET 2 of 2

REFERENCE No H9781

PROJECT Caboolture River Bridge Foundation Investigation

LOCATION Abutment A - 12.8m left (along skew) & 3.6m north of existing nthbound bridge C/L

PROJECT No FG5439 SURFACE R.L. 4.82 DATE STARTED 03/11/05 DATUM MGA94 Zone 56

JOB No 25/10A/60C DATUM AHD DATE COMPLETED 03/11/05 DRILLER Drillsure Pty Ltd

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

Table with columns: DEPTH (m), R.L. (m), RQD (%), MATERIAL DESCRIPTION, USC WEATHERING, INTACT STRENGTH, DEFECT SPACING (mm), GRAPHIC LOG, ADDITIONAL DATA AND TEST RESULTS, SAMPLES TESTS. Includes handwritten notes like 'PILE TIP -7.0' and 'Blade refusal at 12.0m'.

REMARKS

LOGGED BY A O'Rourke



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

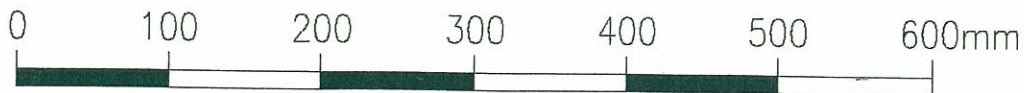
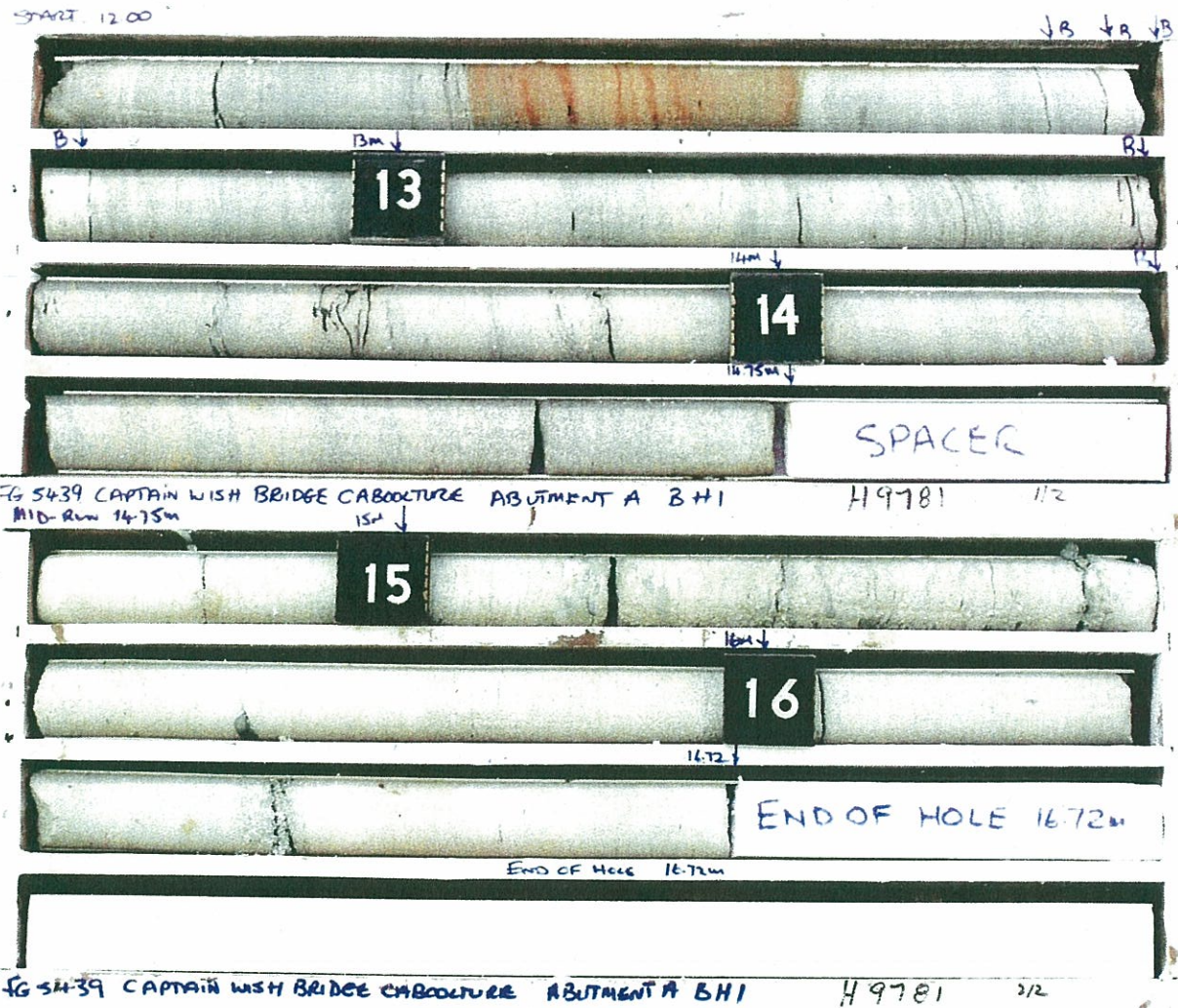
Borehole No: BH1 Abutment A

Start Depth: 12.00m

Finish Depth: 16.72m

Project No: FG5439

H No: 9781



SCALE 1:5

F:GEOT043/1

# Point Load Strength Index - Test Report

**Project: CABOOLTURE RIVER BRIDGE**

**Project No: FG 5439**

**Date Sampled 7/11/05**

**Feature: ABUT A**

**Sample Type: NMLC ROCK CORE**

**Date Tested 30/11/05**

**Report No. FG 5404/9/GS05/784AS4133.4.1**

Sample Number	Sample Location	Depth (m)	Test Type D,A,B,I*	Is (MPa)	Is50 (MPa)	Strength Descriptor**	Lithology
GS05/784-A	BH1	12.39	A	0.17	0.16	L	Sandstone
GS05/784-B	BH1	12.57	D	0.08	0.08	VL	Sandstone
GS05/784-C	BH1	12.60	A	0.25	0.21	L	Sandstone
GS05/784-D	BH1	13.53	D	0.15	0.15	L	Sandstone
GS05/784-E	BH1	13.58	A	0.35	0.33	M	Sandstone
GS05/784-F	BH1	14.65	D	0.44	0.44	M	Sandstone
GS05/784-G	BH1	14.72	A	0.65	0.56	M	Sandstone
GS05/784-H	BH1	16.46	D	0.54	0.54	M	Sandstone
GS05/784-I	BH1	16.50	A	0.62	0.56	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:**

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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  ..... 2 / 12 / 05  
( P.REYNOLDS )



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