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## **ENGINEERING**BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	<u>BH01</u>					
SHEET	_1_ of _2_					
REFERENCE No						

	JECT														
	ATION	Abutment A - LHS (Ch.83866.225)  lo <u>FG5934</u> SURFACE R.L7.57m_ PLUNGE						COORDINATES 260949.9 E; 7380631.8 N  DATE STARTED 15/8/11 GRID DATUM MGA94 Zone 56							
JOB						HEIGHT DATUM AHD BEARING				DATE ST					. — –
JOB	INU	_230	/ <u>10</u> L/ <u>1</u>			HEIGHT DATOW AND BEAKING				DATE COIVIE	-LETED -	10/0/	DRILLER SAXOII DI	ii <u>iiiig Fty</u>	<u> </u>
DEPTH (m)	R.L. (m)	NG NG T BORING	RQE ( ) ?		<u> </u>	MATERIAL DESCRIPTION	LITHOLOGY		THERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA	SAMPLES	S
0	7.57	AUG CASI	COR REC				LITH	nsc	WEA	: : : : : : : : : : : : : : : : : : :	2000	GRAF	TEST RESULTS	SAME	TESTS
-	7.01					SILTSTONE Fine grained, thinly laminated sedimentary rock							— Upper area based on Driller's log only		-
- - - -1						<b>XW:</b> Generally exhibits the engineering properties of yellow brown, moist to dry, hard, sandy clayey silt.								L	-
- - - -				A	•	Low plasticity.		xv	v				18,30/130 N	mm >50 SI	PT :
-2				■B	3								30/70 N	mm >50	PT .
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											-:				-
- 3 - - -	4.27			С	;					=======================================			30/140 N	mm >50	PT
CREEK BH1 10 BH6.6PJ < <drawngries> Datge CPT 100igNt Add-n 1/70/2011 11/28  1</drawngries>	3.51		(0)			SANDSTONE Fine grained, mainly massive, poorly cemented sedimentary rock HW: Grey to brown, fine grained, massive, very low to low strength rock		н۷	v				- Core loss		-
DrawingFille>			(0) 100 (26)			kernels in brown, moist silty sand.  Some feldspathic quartz bands and MW					 		CLy seam, 20mm Feldspathic particles CLy seam		-
SBH6.GPJ <>			100		ľ	mw: Grey to pale brown, fine grained, massive, medium to mainly high strength.							DD = 2.64t/m <sup>3</sup> ; WD = 2.70t MC = 2.2%; Soil UCS=16980		- - -
OKEEK BH1 IC			100			Defects: - Lamination partings @ 10-20° (1-5/m) - Joints @ 30-40 (3-10/m) - Joint partings @ 60-70° (2-3/m)							Feldspathic band, 50mm  Is(50) = 2.20N Is(50) = 1.09N		x -
6 6			100			- Joints @ 80-90° (1/m)  Defect surfaces are generally planar, rough, open and iron stained.							Is(50) = 2.59N		x -
			(43)			rough, opon and non staniou.		MV	٧				18.70	1Pa U	CS ·
7													Is(50) = 2.65N Is(50) = 0.74N	1Pa 🗀	x .
			100										Is(50) = 0.87N Is(50) = 1.41N Is(50) = 1.50N	1Pa (	x -
10   10   10   10   10   10   10   10			(33)										Is(50) = 1.18h Is(50) = 3.54h Is(50) = 2.70h Is(50) = 0.18h Is(50) = 1.03h	1Pa : 1Pa : 1Pa :	0 X - 0 X 0 _
9			100					HV	٧						-
			100					MV	٧						
- 10			(21)	-				MV							
	EMARK	Failu	ures ma	y have	<u>e</u> b	peen taken place along pre-existing defect plains							LOGGED E MS / AD		



## ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	<u>BH01</u>					
SHEET	_2_ of _2_					
REFERENCE No						

EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION **PROJECT** LOCATION <u>Abutment A - LHS (Ch.83866.225)</u> COORDINATES 260949.9 E; 7380631.8 N PROJECT No <u>FG5934</u> \_ \_ \_ SURFACE R.L. \_ 7.57m PLUNGE \_ \_ \_ \_ DATE STARTED 15/8/11 GRID DATUM MGA94 Zone 56 DATE COMPLETED 16/8/11 JOB No 258/10E/1 \_\_\_ HEIGHT DATUM \_\_AHD \_\_ BEARING \_\_\_\_\_ DRILLER Saxon Drilling Pty Ltd R.L. INTACT DEFECT ADDITIONAL DATA ()% STRENGTH **SPACING** USC WEATHERING WEATHER (m) DEPTH (m) MATERIAL LITHOLOGY AND SAMPLE DESCRIPTION SAMPLE TESTS CASING WASHING 2000 2000 2000 2000 CORE TEST RESULTS REC % 10 SANDSTONE MW: (Cont'd) MW − CLy seam, 20°, 40mm − CLy seam, 15°, 30mm 100 -3.13 Borehole terminated at 10.7m - 12 DMR\_LIB\_01A GLB Log A\_ENGINEERING BOREHOLE LOG W LITHOLOGY FG5934 - EIGHT MILE CREEK BH1 TO BH6.6PJ <<DrawningFile>> Datgel CPT Tool gilkt Add-in 11/10/2011 11/28 g <u>20</u> LOGGED BY REMARKS Failures may have been taken place along pre-existing defect plains MS / AD

Project: **EIGHT MILE CREEK BRIDGE (ABUTMENT A)** 

Borehole No: BH1
Start Depth: 3.30m
Finish Depth: 10.70m
Project No: FG5934

H No:



