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QLD DMR LIB 01A,GLB Log A ENGINEERING BOREHOLE LOG W LITHOLOGY FG5934 - EIGHT MILE CREEK BH7 TO BH10,GPJ <<DrawngFile>> Datgel CPT Tool gINt Add-In 11/10/201111:31

ENGINEERING BOREHOLE LOG

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

PRO	JECT	<u>EIG</u>	EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION											
LOCATION		Pier 3 - RHS (Ch.83932.000) CO										OORDINATES 260909.4 E; 7380681.	2 N	
		_FG	<u>59</u> 3	<u> </u>		SURFACE R.L6_76m PLUNGE DATE STARTED _11/8						11 GRID DATUM MGA94 Zone	56	
						HEIGHT DATUM <u>AHD</u> BEARING							Pty Ltd	
DEPTH (m)	R.L. (m)			RQD ()%	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY		INTACT STRENGTH	DEFECT		ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
0	6.76	₹ö≸	3 1	REC %	SAI		늘	USC	M SISISI	78888	GR.	TEGT NEGGETO	SAI TE	
- - - - - - - - -1	6.26 5.76				Α	Silty SAND (FILL) Brown, moist, loose. Fine grained. Sandy CLAY (ALLUVIAL) Brown, moist, soft. Low plasticity. Silty CLAY (ALLUVIAL) Dark brown to grey, moist, soft. IHigh plasticity. Sandy CLAY (RESIDUAL) Mottled grey to brown yellow, moist to wet, firm to very stiff. Low to medium plasticity.	(CI	(CL)			Based on Driller's log only Based on Driller's log only Based on Driller's log only		
-2	5.26							(CL-				4,3,4 N=7	SPT -	
-3 - - - - - - - - - - - - - - - - - -	2.26	١			В			(CI)				4,11,13 N=24	SPT	
- - -5 -	1.26					О	SILTSTONE Fine grained, thinly laminated sedimentary rock XW: Generally exhibits the engineering properties of mottled yellow-brown-grey, moist, hard clayey silt.		xw	/			29,30/50mm N>50 HB	SPT -
				(35) 100 (7) 100 (0) 100 (0)		Low plasticity. SANDSTONE Fine grained, mainly massive, poorly cemented sedimentary rock MW: Grey to pale brown, fine grained, massive, medium to mainly high strength. Defects: - Lamination partings @ 20-35° (6/m) - Joints @ 40-50° (4/m) Defect surfaces are generally planar, rough, open. Numerous irregular, rough, tight to open, iron stained joints. Thin siltstone interbeds. Closely spaced thin MW siltstone laminations from 8.85 to 9.05m.		MV				N>50 Is(50) = 0.73MPa Is(50) = 0.29MPa Several thin silt / - CLy seams, 15-20°, 10-50mm Is(50) = 1.69MPa - Thin Ca band Is(50) = 4.97MPa Is(50) = 2.87MPa Several silt / CLy seams, 20°, 20-30mm Is(50) = 6.37MPa	V - UCS - C - C - C - C - C - C - C - C - C -	
- 10				(0)								Several silt / CLy seams, 30°, 10-15mm	-	
	EMARKS	Fail	ures	s may h	ave t	peen taken place along pre-existing defect plains						LOGGED BY MS / AD		



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ENGINEERING BOREHOLE LOG

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

PROJECT	EIGHT MILE CREEK BRIDGE FOUNDATION INVESTIGATION											
				1.83932.000)						ORDINATES 260909.4 E; 7380681.3		
JOB No				SURFACE R.L. 6.76m PLUNGE								
JOB NO	_200/10	<u>'</u> '		HEIGHT DATUM <u>AHD</u> BEARING			DATE COM	PLETED _	1 1/0/	DRILLER Saxon Drilling	Piy Liu_	
R.L. (m)	JGER ASING ASH BORING ORE DRILLING	RQD ()% CORE	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm) 0000 0000 0000 0000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
- 0.24	1 ' ' 1	100		SANDSTONE		MW						
- - - - - - - 11		(0) 100 (0)		MW:		MW HW MW				— Thin siltstone I/B	- - - - - - -	
-10 -3.24		100 (0) 100				HW				− Several siit / CLy seams, 30°, 10-15mm	-	
- - - - -		(0)				MW				Is(50) = 0.53MPa	0 -	
F		100				HW				— HF siltstone I/B	-	
- 13 - 13 - 13 6.99		(0) 100 (14)				MW		-: : : : : : : : : : : : : : : : : : :		ls(50) = 0.57MPa ls(50) = 0.30MPa	X -	
-6.99		100		Borehole terminated at 13.75m		HW	:::				-	
-15 -15 -16 -17 -17 -18 -19 -19	s <u>Failures</u>	s <u>may</u> ha	ave t	peen taken place along pre-existing defect plains						LOGGED BY MS / AD		

Project: EIGHT MILE CREEK BRIDGE (Pier 3)

Borehole No: **BH8**Start Depth: 5.50m
Finish Depth: 13.75m
Project No: FG5934

H No:



