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# ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 138  
 SHEET : 1 OF 2  
 REFERENCE No : H8091

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 1, Grid ref. 19549.5E 140118N  
 PROJECT No : MP1006 SURFACE R.L. : 3.97 DRILLER : FOUNDRIL  
 JOB No : DATUM : DATE DRILLED : 05/09/97

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%)	CORE REC#	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH				DEFECT SPACING (mm)				GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
								EH	VH	H	M	VL	20	60	200			
0	3.97					<b>SANDY CLAY</b> Grey to dark brown, dry to wet, soft, slightly gravelly in parts.	CH									2, 1, 2 N=3	SPT	
1																		
2	1.97					<b>SILTY CLAY</b> Dark brown to dark grey, wet, soft to firm alluvium. high organic content; high plasticity; occasional peat band up to 100mm; sandy in parts.	CL							08/09/97	Su=80kPa	U50		
3	1.77																	
4																		
5																		
6	-1.63					<b>INTERBEDDED ARGILLITE AND GREYWACKE</b> GREY TO BLUE GREY, FINE TO MEDIUM GRAINED BEDDED METASEDIMENTARY ROCK. BEDDING CONTORTED.  XW: Pale grey to green black, mottled in parts, generally exhibits engineering properties of very stiff to hard silty clay/clayey silt graded to very dense clayey sand.	XW											
7																		
8	-4.03																	
9	-4.63					<b>HW:</b> Generally low to medium intact rock strength with very closely spaced clay infilled defects.  <b>MW:</b> Slightly brown iron staining throughout mainly along defects. Defects: mainly 40-60 degrees; some defects <30 degrees.	HW											
10	-6.03						MW							Clay infilled defects.	Is (50)=0.34MPa Is (50)=0.72MPa	x x		
															Is (50)=1.29MPa	x		

REMARKS :

LOGGED BY



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DEPTH (m)	R.L. (m)	ALGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH				DEFECT SPACING (mm)				GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
							EH	VH	H	M	VL	20	50	200			
10	-6.03				(Cont'd)												
11			(70) 100			MW									Steeply dipping argillite interbands (>60 degrees).		
12	-7.66		(70) 100		END OF HOLE												
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

REMARKS :

LOGGED BY

PACIFIC MOTORWAY  
LOGAN RIVER BRIDGES

HOLE 138  
START 8-60  
END 11-63

H 8091  
1 OF 1  
SEP 1997

MP1006

