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# ENGINEERING BORELOG

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

BOREHOLE No : <u>146</u>
SHEET : <u>1</u> OF <u>3</u>
REFERENCE No : <u>H8099</u>

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 7 grid ref 19608E 139972N  
 PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING  
 JOB No : \_\_\_\_\_ DATUM : AHD DATE DRILLED : 4/9/97

DEPTH (m)	R.L. (m)	ALGER CORE DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH M L	INTACT STRENGTH	DEFECT SPACING (mm) 20 50 100 200 500 1000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	2.92										
1					<b>SILTY CLAY</b> Dark brown to dark grey, dry to moist soft to stiff alluvium grading to dark brown to dark grey, wet, stiff to very stiff silty clay.  Mottled zones in parts, high organic content, low plasticity.  Occasional sand layers to 200mm thick common.					4, 7, 7 N=14	SPT
2						CL				Su=37.5KPa	U50
3	-0.18								08/09/97		
4										Su=20KPa	U50
5	-1.83				<b>SANDY GRAVEL/GRAVELLY SAND</b> Yellow brown wet loose to medium dense poorly graded alluvium. Peat bands to 100mm thick common.						
6										3, 4, 4 N=8	SPT
7						SP				3, 6, 9 N=15	SPT
8											
9										2, 3, 2 N=5	SPT
10	-7.08										

REMARKS : Other - Washboring

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SuPP= Su from pocket penetrometer reading.



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BOREHOLE No :	146
SHEET :	2 OF 3
REFERENCE No :	H8099

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 7 grid ref 19608E 139972N  
 PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING  
 JOB No : DATUM : AHD DATE DRILLED : 4/9/97

DEPTH (m)	R.L. (m)	UGER DRILLING CORE LOG OTHER	RQD (%) CORE REC	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-7.08				(Cont'd)						
11						SP				3, 4, 4 N=8	SPT
12	-9.03									3, 3, 5 N=8	SPT
13					<b>SILTY CLAY</b> Dark brown to dark grey moist, firm to stiff alluvium. High plasticity; high organic content.	CL				SuPP=50kPa	U50
14	-11.08										
15	-12.08				<b>SANDY CLAY/CLAYEY SAND</b> Fine, wet, medium dense poorly graded alluvium. Occasional peat bands (100mm).	SC				5, 4, 7 N=11	SPT
16											
17	-14.33				<b>SILTY CLAY/SILTY SANDY CLAY</b> Dark brown to black moist, firm alluvium.	CL				- , 2, 5 N=7	SPT
18											
19											
20	-17.08				<b>SAND</b> Grey, wet medium dense, poorly graded fine alluvium. Occasional silty layers.	SW				7, 11, 16 N=27	SPT
										7, 10, 18 N=28	SPT

REMARKS :

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# ENGINEERING BORELOG

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

BOREHOLE No : 146  
 SHEET : 3 OF 3  
 REFERENCE No : H8099

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION  
 LOCATION : Pier 7 grid ref 19608E 139972N  
 PROJECT No : MP1006 SURFACE R.L. : 2.92 DRILLER : R & D DRILLING  
 JOB No : \_\_\_\_\_ DATUM : AHD DATE DRILLED : 4/9/97

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CORE CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	WEATHERING					DEFECT SPACING (mm) 20 50 100 200 500 1000 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS	
						USC	EH	VH	H	M					VL
20	-17.08				GRAVELLY SAND Grey, wet, loose to vey dense alluvium.										
21						GW							4, 4, 6 N=10	SPT	
22													19, HB N=50	SPT	
23	-19.48				INTERBEDDED ARGILLITE AND GREYWACKS GREY TO BLUE GREY FINE TO MEDIUM GRAINED BEDDED MATASEDIMENTARY ROCK. BEDDING AT 50-70 DEGREES. Defects: mainly along bedding plane.	MW						MW layer	Is(50)=4.3 MPa	x	
24			100										Is(50)=3.56MPa	x	
25	-22.48		100			Fr							Is(50)=6.67MPa	x	
26					END OF HOLE										
27															
28															
29															
30															

REMARKS : \_\_\_\_\_

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PACIFIC MOTORWAY  
LOGAN RIVER BRIDGES

HOLE 146  
START 22:40  
END 25:40

H 8099  
1 OF 1  
SEP 1997

MP1006

