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ENGINEERING BORELOG

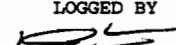
FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 149
SHEET : 1 OF 3
REFERENCE No : H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Pier 13, Grid Ref.19661E 139845N
PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIL
JOB No : _____ DATUM : AHD DATE DRILLED : 2/9/97

DEPTH (m)	R.L. (m)	UGER DRILLING CORE LOGGING 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						
0	3.86											20					
1					GRAVELLY SILTY CLAY Pale brown to brown, moist, firm fine to coarse grained.	CL											
2.26																	
2	1.86				SANDY CLAY/CLAYEY SAND Pale brown to grey brown, wet, stiff/ loose alluvium grading to fine gravel silty sand. Occasional sand layers up to 500mm.	SP											
3																	
4																	
5					SANDY CLAY/CLAYEY SAND Pale brown to grey brown, wet, stiff/ loose alluvium grading to fine gravel silty sand. Occasional sand layers up to 500mm.	SC											
6																	
7					SANDY CLAY/CLAYEY SAND Pale brown to grey brown, wet, stiff/ loose alluvium grading to fine gravel silty sand. Occasional sand layers up to 500mm.	SC											
8																	
8	-4.14				SANDY CLAY/CLAYEY SAND Pale brown to grey brown, wet, stiff/ loose alluvium grading to fine gravel silty sand. Occasional sand layers up to 500mm.	SC											
9																	
10	-6.14				SILTY SAND Grey, wet medium dense sand grading to gravelly sand.	SW											

REMARKS : _____

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ENGINEERING BORELOG

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

BOREHOLE No :	149
SHEET :	2 OF 3
REFERENCE No :	H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
 LOCATION : Pier 13, Grid Ref.19661E 139845N
 PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIL
 JOB No : DATUM : AHD DATE DRILLED : 2/9/97

DEPTH (m)	R.L. (m)	ALGER CORE DRILLING CORE CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-6.14				SAND (Cont'd)	SM				6, 11, 12 N=23	SPT
11	-7.14				SILTY CLAY Pale grey to mottled brown, wet, stiff to very stiff silty clay alluvium. Occasional silty sand bands to 100mm thick common.					5, 5, 7 N=12	SPT
12										5, 6, 7 N=13	SPT
13										4, 6, 6 N=12	SPT
14										5, 7, 9 N=16	SPT
15											
16											
17	-13.14				INTERBEDDED ARGILLITE AND GREYWACKE GREY TO BLUE GEY, FINE TO MEDIUM GRAINED BEDDED METASEDIMENTARY ROCK. BEDDING 40-60 DEGREES. XW: Pale grey to green brown, mottled in parts, generally exhibits engineering properties of v. stiff to hard silty clay/clayey silt grading to v. dense clayey sand.	XW				7, 17, 30/110 N=>50	SPT
18											
19	-15.14				MW: Slightly brown ironstaining along intact rock and concentrated to defects. Defects vary 40-60 degrees.	MW				Is(50)=1.06MPa Is(50)=0.78MPa	x x
20	-16.14								Fractured zones		

REMARKS :

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BOREHOLE No : 149
SHEET : 3 OF 3
REFERENCE No : H8102

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION INVESTIGATION
LOCATION : Pier 13, Grid Ref.19661E 139845N
PROJECT No : MP1006 SURFACE R.L. : 3.86 DRILLER : FOUNDRIIL
JOB No : _____ DATUM : AHD DATE DRILLED : 2/9/97

DEPTH (m)	R.L. (m)	AUGER DRILLING CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING EH VH H M VL	INTACT STRENGTH	DEFECT SPACING (mm) 20 60 200 600 2000	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
20	-16.14										
	-16.54		100		(Cont'd)	HW					
					FR: Fresh rock Defects 40-60 degrees. Light brown ironstaining only along defects.					Fractured zones	
21			94			SW				Is(50)=3.16MPa Argillite bands with 60 degree bedding.	x
			100								
	-18.14		100								
22					END OF HOLE						
23											
24											
25											
26											
27											
28											
29											
30											

REMARKS : _____

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PACIFIC MOTORWAY
LOGAN RIVER BRIDGES

HOLE 149
START 19:00
END 22:00

H 8102
1 OF 1
SEP 1997

MP1006



19.00

20

21

SPACER

21.55 21.80 21.55 22.00 END OF HOLE

21.55

21.80

21.55

22.00

21.55

21.80

21.55

22.00