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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 148
SHEET : 1 OF 3
REFERENCE No : H8101

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION
LOCATION : Pier 9 Grid Ref. 19645e 139887n
PROJECT No : MP1006 SURFACE R.L. : 3.96 DRILLER : Foundril
JOB No : DATUM : AHD DATE DRILLED : 3/9/97

DEPTH (m)	R.L. (m)	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	3.96	**GRAVELLY SILTY CLAY** Pale grey to dark brown, dry to moist, firm, fine to coarse grained.	CL					11,13,9 N=22	SPT
1.96		**SILTY CLAY** Mottled brown, moist allum. High organic content; minor sand layers (10mm).	CH					SuPP=65kPa 04/09/97 Peak Su=48kPa Res Su=32kPa	U50 FSV
1.06									
0.21		**SANDY SILTY CLAY** Borwn to drak brown, wet, fine to coarse grained grading to soft, moist,silty clay. Peat layers to 100mm thick.	CH					SuPP=0.5kPa Peak Su=41.25kPa Res Su=16.5kPa SuPP=0.56kPa	U50 FSV U50
-2.04		**SILTY CLAY** Dark brown to dark grey, wet firm allum. High organic content.	SC					Peak Su=38.5kPa Res Su=18.3kPa	FSV
-2.99		**SANDY CLAY/CLAYEY SAND** Dark brown to dark grey, firm to stiff alluvium. Low plasticity.	CL					Sandy Clay SuPP=130kPa 2,4,5 N=9 3,4,5 N=9	U50 SPT SPT
-5.54									
-6.04		**GRAVELLY SAND** (See next page)	SP						

REMARKS : Other - Washboring
SuPP= Su from pocket penetrometer reading

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 148
SHEET : 2 OF 3
REFERENCE No : H8101

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION
LOCATION : Pier 9 Grid Ref. 19645e 139887n
PROJECT No : MP1006 SURFACE R.L. : 3.96 DRILLER : Foundril
JOB No : DATUM : AHD DATE DRILLED : 3/9/97

DEPTH (m)	R.L. (m)	AUGER / CORE DRIL / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	-6.04				**GRAVELLY SAND** Pale brown to brown, wet, medium dense poorly graded alluvium.	SP					8,10,12 N=22	SPT
11												
12											6,9,12 N=21	SPT
13	-9.29											
					SILTY CLAY Brown to grey brown. Moist stiff to very stiff alluvium. Partly mottled; minor sand layers.						8,7,6 N=13	SPT
14												
15						CH					4,7,9 N=16	SPT
16												
17	-13.04										5,6,9 N=15	SPT
					INTERBEDDED ARGILLITE AND GREYWACKE GREY TO BLUE GREY, FINE TO MEDIUM GRAINED BEDDED METASEDIMENTARY ROCK. bedding mainly 30-40 degrees. XW: Pale grey to grey black, mottled in parts, generally exhibits engineering properties of very stiff clay/clayey silt grading to very dense clayey sand.	XW					30/70 N>50	SPT
18												
19	-14.79				HW: Heavily brown ironstaining through out. Defects greater than 60 degrees	MW HW SW					Clay band	
	-15.54		100									
20	-16.04				FR:	Fr					Is(50)=1.97MPa	x

REMARKS :

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ENGINEERING BORELOG

Main Roads

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

BOREHOLE No : 148
SHEET : 3 OF 3
REFERENCE No : H8101

PROJECT : PACIFIC MOTORWAY LOGAN RIVER SERVICE ROAD BRIDGE FOUNDATION
LOCATION : Pier 9 Grid Ref. 19645e 139887n
PROJECT No : MP1006 SURFACE R.L. : 3.96 DRILLER : Foundril
JOB No : DATUM : AHD DATE DRILLED : 3/9/97

DEPTH (m)	R.L. (m)	AUGER / CORE DRIL / CASING / OTHER	RQD ( )% CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC	WEATHERING	INTACT STRENGTH (EH VH H M L VL)	DEFECT SPACING (mm) (20 60 200 600 2000)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES	TESTS
20	-16.04				FR: Light brown ironstaining only along defects.								
											Is(50)=2.26MPa	x	
											Is(50)=3.40MPa	x	
	-17.84		100		END OF HOLE								
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													

REMARKS :

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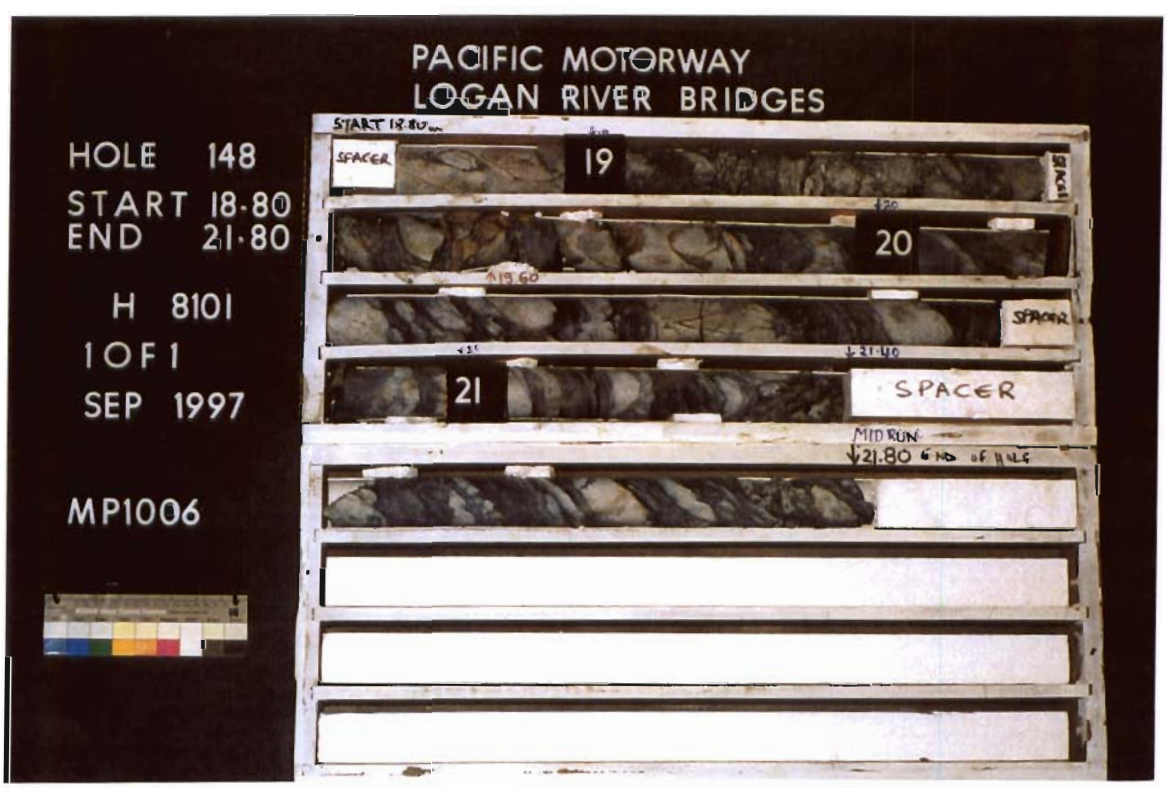

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