

engineering log - cored borehole

J1494

File No. 02-0346

BASS HWY. DUPLICATION
 project: VICTORIA BRIDGE - DEVONPORT 246753E
 borehole location: 28.5m L of & 2.5m W of existing Wabutment 437899N
 hole commenced: 23/4/90
 hole completed: " "
 supervised by: JR
 log checked by: JGG

drill model and mounting: GEMCO 210D slope: Vert. deg. R. L. surface: 2.63 m
 barrel type and length: NQTT 2.45m fluid Mud bearing: deg. datum: Stake Driller G. Baker

drilling information			rock substance				rock mass defects		
method	case-lift	water	R. L. depth R. metres	graphic log core loss	substance description rock type: grain characteristics, colour, structure, minor components.	weathering	strength Is (50)	defect spacing mm	defect description thickness, type, inclination, planarity, roughness, coating. particular general
AS			0.0		GRAVEL; clayey fill material				mixed components
			1.0						
	N* = 13 20, 8, 5		2.0		; mainly doleritic fragments in clay COBBLE; dolerite, SW				fill ?
			3.0						
	N* = 24 6, 11, 13		4.0		CLAY; gravelly, green med. PI fines				contains river washed qtz & dol fragments (old river bed ?)
			5.0						
	N* = 10 4, 4, 6		6.0		CLAY; high PI, grey				
			7.0		DOLERITE; fine to med. grained grey	SW			major 60° dipping joint.
			8.0		CLAY; high PI, grey- brown (in situ EW dolerite)				

key method AS - auger screwing AD - auger drilling R - roller/tricone W - washbore NMLC - NMLC core drilling	case-lift casing used barrel withdrawn water 10 Oct. 73 water level date shown water inflow partial drilling water loss complete drilling water loss	graphic log/core loss core recovered (hatching indicates material) no core recovered	weathering Fr - fresh SW - slightly weathered MW - moderately weathered HW - highly weathered EW - extremely weathered	strength (indirect tensile strength) EL - extremely low VL - very low L - low M - medium H - high VH - very high FH - extremely high
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borehole no:
B90-12
sheet 2 of 2

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BASS HWY. DUPLICATION				hole commenced: 23/4/90		
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drill model and mounting: GEMCO 210D		slope: Vert. deg.		R. L. surface: 2.63 m		
barrel type and length: NQT 2.45m		fluid Mud bearing: deg.		datum: State Driller G. Baker		
drilling information			rock substance		rock mass defects	
method	case-lift	water	depth metres	substance description rock type: grain characteristics, colour, structure, minor components.	strength Is (50)	defect description thickness, type, inclination, planarity, roughness, coating. particular general
					EL VL L MW HW EW	
NQ			6.0	CLAY; high PI, grey-brown (insitu EW dolerite) with some tough bands		
			9.0	DOLERITE; fine to med. grained, grey-blue	SW	
			10.0			
			11.0			
			12.0	; brown, clayey zone	HW EW	obliquely jointed zone with fault gouge of clay at base
			12.0	; grey-blue	SW	
			13.0	; brown, clayey zone	HW EW	fault gouge?
			13.0	; grey-blue, fine to coarse grained	SW Fr	
			14.0			step to sub. vert. jointing
			15.0	; green	HW EW	70° dipping joint
			15.0	; green-brown	HW	numerous erratic joints with a fault breccia at 14-9.5m
End of hole at 15.6m						

most joints sub. hor. to 30° with planar to undulose and rough FeOx surfaces

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