

borehole no:
B90-19
sheet 1 of 2

engineering log — cored borehole

J149A

File No. 02.0346

BASS HWY. DUPLICATION
 project: VICTORIA BRIDGE — DEVONPORT 246828E
 borehole location: 28m Upstream of Piers 3 & of existing bridge 437881N
 hole commenced: 16/5/90
 hole completed: 21/5/90
 supervised by: NDS
 log checked by: JGG

drill model and mounting: GEMCO 210D slope: Vert. deg.
 barrel type and length: NQTT fluid H₂O bearing: deg.
 R. L. surface: m
 datum: Stake Driller G. Baker

drilling information		rock substance				rock mass defects			
method	case-lift	wash boring penetration rate	R.L. depth 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
	12.5				River Bed				
			5.0		SAND; fine, shelly	VL index			
			7.0		SAND; fine, silty, shelly, black-grey	L index			
			9.0						
			11.0						
			13.0						
			15.0						
			17.0		GRAVEL; with quartz sands, wood, black-grey mixed doleritic, quartz and siltstone, sandy fines, increasing size, less sand, grey	L index			
			19.0		DOLERITE; medium grained, grey	SW - Fr			
									pale green coating along joint surfaces

key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling	case-lift casing used H barrel withdrawn water 10 Oct, 73 water level date shown water inflow partial drilling water loss complete drilling water loss	graphic log/core loss } core recovered (hatching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	* Test Values strength (indirect tensile strength) EL — extremely low VL — very low L — low M — medium H — high VH — very high EH — extremely high
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erratic joint orientations, mainly sub-horizontal, some carbonate coating

engineering log - cored borehole

J1494

File No. 02.0346

BASS HWY. DUPLICATION
 project: VICTORIA BRIDGE - DEVONPORT 246828 E
 borehole location: 28m Upstream of Pier 3 & of existing bridge 437881 N
 hole commenced: 16/5/90
 hole completed: 21/5/90
 supervised by: NDJ
 log checked by: JGG

drill model and mounting: GEMCO 210D slope: Vert. deg. R. L. surface: m
 barrel type and length: NQTT 245m fluid H₂O bearing: deg. datum: Stake Driller G. Baker

drilling information			rock substance			rock mass defects			
method	case-lift	water	R.L. depth m	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
NDJ			21.0	1-1 1-1 1-1 1-1	DOLERITE; grey	Fr	EL VL L M H VH EH	500 1000 1500 2000 2500 3000	highly fractured zone
			21.0		End of hole at 20.55m				

key method AS auger screwing AD auger drilling R roller/tricone W washbore NMLC NMLC core drilling	case-lift casing used H 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 EH - extremely high
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