

engineering log - cored borehole

J1994

File No. 02.0346

BASS HWY. DUPLICATION
 project: VICTORIA BRIDGE - DEVONPORT 246899E
437880N
 borehole location: 13.5m Upstream, & 5m West of Pier 1 of existing bridge
 hole commenced: 8/5/90
 hole completed: 9/5/90
 supervised by: DJG
 log checked by: JGG

drill model and mounting: GEMCO 210D slope: Vert. deg. R. L. surface: m
 barrel type and length: NQTT 2.45m fluid H₂O bearing: deg. datum: State Driller G. Baker

drilling information			rock substance			rock mass defects				
method	case-lift	water	depth m	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		
			8.0	DOLERITE; med. to coarse grained, grey-brown blue-grey-brown	MW	[Hatching pattern]	[Dotted pattern]	spacing of near vertical joints is < 20mm		
			10.0		SW			[Hatching pattern]	[Dotted pattern]	FeOx on joints
			10.0 - 10.4m							white waxy jointing (fault?)
			12.0		Fr			[Hatching pattern]	[Dotted pattern]	major 70mm carbonate vein dipping 80°
			14.0							intense vertical fracturing some with carbonate
			14.0		End of hole at 14.15m					
			16.0							
			18.0							

key	case-lift	water	graphic log/core loss	*Test Values	strength
method	casing used barrel withdrawn	10 Oct, 73 water level date shown water inflow partial drilling water loss complete drilling water loss	[Hatching] core recovered (hatching indicates material) [Blank] no core	weathering Fr - fresh SW - slightly weathered MW - moderately weathered HW - highly weathered EW - extremely weathered	(indirect tensile strength) EL - extremely low VL - very low L - low M - medium H - high VH - very high EH - extremely high