

borehole no:
B90-14
sheet 1 of 2

engineering log — cored borehole

J1494

File No. 02.0346

BASS HWY. DUPLICATION
 project: VICTORIA BRIDGE — DEVONPORT 246904E
 borehole location: 11m Upstream of Pier 1 & of existing bridge 487881 N
 hole commenced: 8/5/90
 hole completed: " "
 supervised by: DJG
 log checked by: JGG

drill model and mounting: GEMCO 210 D 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 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
W					River bed level not indicated				Silts
			8.0		DOLERITE COBBLES; quartz gravel and silty clays				Coarse river gravels
			9.0						
			10.0		DOLERITE, medium grained, blue-grey	SW			irregular jointing with FeOx coatings 60° dipping joint
			11.0		; brown				calcium in joints some evidence of slickensiding
			12.0		; green	HW			micro defects in crazed pattern soapy feel
			13.0		; mottled yellow-brown				carbonate in many joints
			14.0			HW			micro-defects in crazed pattern
			15.0		; blue-grey	SW			calcium in jointing irregular jointing with carbonate infilling

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method	casing used H barrel withdrawn	10 Oct, 73 water level date shown water inflow partial drilling water loss complete drilling water loss	core recovered (hatching indicates material) no core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

engineering log - cored borehole

11994

File No. 02.0346

drilling information				rock substance			rock mass defects							
method	case-lift	water	depth in metres	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					
<p>BASS HWY. DUPLICATION</p> <p>project: VICTORIA BRIDGE - DEVONPORT 246904E</p> <p>borehole location: 11m Upstream of Pier 1 \pm of existing bridge 437981 N</p> <p>hole commenced: 8/5/91</p> <p>hole completed: " "</p> <p>supervised by: DJG</p> <p>log checked by: JGG</p> <p>drill model and mounting: GEMCO 2FD slope: Vert. deg.</p> <p>barrel type and length: NQTT 2.45m fluid H₂O bearing: deg.</p> <p>R. L. surface: m</p> <p>datum: Stake Driller G. Baker</p>														
			17.0	<p>DOLERITE, fine to med. grained, blue</p>	Fr	[Hatching]	[Dotted]		<p>Few defects, mostly low angle ($< 30^\circ$ dip) (barreless)</p>					
			18.0											
			19.0											
			19.25							End of hole at 19.25m				

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