DEPARTMENT OF MAIN ROADS (TAS.)
MATERIALS AND RESEARCH DIVISION

M & R F8

borehole no: B90-17

sheet 1 of 1

engineering log — cored borehole

J1494 File No. 02.0346

BASS HWY. DUPLICATION — hole commenced: 14/5/90

project: VICTORIA BRIDGE — DEVONPORT 246870E 437880N — hole completed: 15/5/90 — supervised by: NDJ

borehole location: 18.7m Upstream and 3.8m East of Pier 2 ℄ (existing) — 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 H_2O — bearing: deg. — datum: State — Driller G. Baker

drilling information				rock substance				rock mass defects	
method	case-lift	123 Washboring penetration rate	depth in metres	graphic log / core loss	substance description: rock type: grain characteristics, colour, structure, minor components.	weathering	strength Is(50) EL VL L M H VH EH	defect spacing mm 30 100 300 1000 >3000	defect description: thickness, type, inclination, planarity, roughness, coating. particular / general
W			0		River Bed				
		N* = 2	2.0						no recovery of SPT sample (washing indicate sands)
			6.0						
		N* = 4	8.0		SAND; silty, fine, shelly, grey, very loose				no recovery of SPT sample
		N* = 10	8.0						
		N* = 5	10.0		; grey black				
		N* = 12	10.0		; grey				
		N* = 26	12.0		GRAVEL; sandy, quartzitic, medium to fine, loose				
		N* = 11	12.0		GRAVEL; coarse, dolerite				SPT Attempted but could not penetrate at this level
			14.0		DOLERITE; fine grained, blue-grey	Fr			50° dipping joint with clay coating; 50° dipping joint; 20° dipping conjugate joints; sub horizontal joint with Fe ox coating; 70° dipping joint with dull coating; sub-horizontal joint with carbonate coating
			16.0						
			18.0		End of hole at 17.90m				

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(-| barrel withdrawn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

* Test Values

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