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

M & R F8

borehole no: B90 - 18

sheet 1 of 1

engineering log — cored borehole

1494

File No. 02·0346

BASS HWY. DUPLICATION — 437873 N, 246864E — hole commenced: 15/5/90

project: VICTORIA BRIDGE — DEVONPORT — hole completed: 16/5/90

borehole location: 27.9 m Upstream of Pier 2 ℄ of existing bridge — 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 2.45m — fluid H_2O — bearing: deg. — datum: State — Driller G. Baker

drilling information				rock substance					rock mass defects	
method	case-lift	water		R.L. depth 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	detect spacing mm 30 100 300 1000 3000 >3000	defect description (thickness, type, inclination, planarity, roughness, coating.) particular / general
						River Bed				
			N* = 1 no sample recovered	7.0						washings of very soft silts
			N* = 1 no sample recovered	9.0		SAND; fine, silty, shelly, grey	VL	index		
			N* = 11			; grey, mottled				
			N* = 14	11.0		; contains some fine quartz gravels				
			N* = 8			GRAVELS; sandy, silty, shelly	MD	index		
			N* > 60	13.0		; medium to coarse				
			N* > 60			; coarse, doleritic				
NQ				15.0		DOLERITE; fine grained, blue	Fr			erratic jointing 60° dipping joint 50° dipping joint sub-horizontal joint 60° dipping conjugate joint pair 40° dipping joint
				17.0						sub-horizontal joint with FeOx
				19.0						sub-horizontal joint with clay sub-horizontal joint with carb closely spaced 70° dipping joints & carb veins
				21.0		End of hole at 18.0m				

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- barrel withdrawn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