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

M & R F8

borehole no: B90-22
sheet 1 of 1

engineering log — cored borehole

J1494 File No. 02.0396

BASS HWY. DUPLICATION — hole commenced: 28/5/91
project: VICTORIA BRIDGE - DEVONPORT 246798E 437897N — hole completed: 28/5/91
borehole location: 18.5 m Upstream and 4.5 m E of Pier 4 & (existing) — 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	detect spacing mm 30 100 300 1000 3000 A	defect description (thickness, type, inclination, planarity, roughness, coating.) particular / general
				6.0		River Bed				
			N*=5			SAND; medium, shelly, grey				
			N*=4	6.0		SAND; fine, silty, grey				
			N*=7	8.0		; fine SILT; organic, black-grey				
			N*=3			CLAY; silty, med. PI, organic, grey				70 - 100 kPa hand penetrometer resistance
			N*=fi	10.0		; silty, sandy, low PI, grey				
			N*>60	10.0		GRAVEL; predominantly siltstone				rounded fragments
NQ TT				12.0		; doleritic, grey				up to cobble sized
						; boulder of dolerite				
				12.0		; cobbly				
				14.0		; doleritic, yellow-brown				
				14.0		DOLERITE; fine grained, blue-grey	MW SW - Fr			30° dipping joint; sub vertical joint; 30° dipping joint; erratic jointing; minor fault zone; near vertical joint; 30° dip joint; 20° dip joint; sub-horizontal joint; 45° conjugate joint pair; 20° dip joint; 45° dip joint; broken core; possible fault zone in loss area; minor fault gouge; mostly low angle to sub-horiz jointing; most joints have iron staining; many low angle joints
				20.0		End of hole at 19.45m				

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barrel withdrawn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

graphic log/core loss
core recovered (hatching indicates material)
no core

* Test values

weathering
Fr – fresh
SW – slightly weathered
MW – moderately weathered
HW – highly weathered
EW – extremely

strength (Indirect tensile strength)
EL – extremely low
VL – very low
L – low
M – medium
H – high
VH – very high