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

M & R F8

borehole no: B90-24

sheet 1 of 1

engineering log — cored borehole

J1494 File No. 02·0346

BASS HWY. DUPLICATION

project: VICTORIA BRIDGE — DEVONPORT

borehole location: 246955 437891

hole commenced: 30/5/90
hole completed: 30/5 90
supervised by: IB
log checked by: JGG

drill model and mounting: GEMCO 210D slope: Vert. deg.
barrel type and length: NQTT 2·45m fluid H_2O bearing: deg.

R. L. surface: 4·85 m
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	defect spacing mm 30 100 300 1000 3000 >3000	defect description thickness, type, inclination, planarity, roughness, coating. particular / general
NQ TT			SPT N* = 14	4·0	F	Old road pavement				
				2·0		GRAVEL; mixed, rounded, dry				existing embankment fill
						; sandy clayey				graded to 100mm max. size
			N* = 34	2·0		; clayey, med. PI, red-brown				
				4·0		; moist to wet				
			N* > 60			; brown				
				6·0		; becoming rock like				? in situ weathered dolerite
				6·0		DOLERITE; med. grained, grey	SW			
				-2·0						60° dip joint & 70° dip joint with FeOx stained clay surfaces
				8·0						occasional sub-horiz. and 30° dip to 45° dip joints with FeOx
				-4·0			SW - Fr			
						; blue-grey				
				10·0						
				-6·0						
				12·0		End of hole at 11.5m				

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- barrel withdrawn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

weathering * Test Values

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