REF NO 19184

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

M & R.F8

borehole no: 88-45

sheet 1 of 2

engineering log — cored borehole

File No. 02·000

project: CURRIE BREAKWATER INVESTIGATION
borehole location: CURRIE QUARRY SITE
54m N of Sw-3 and 49m East of Fence Corner Post

hole commenced: 5-9-88
hole completed: 6-9-88
supervised by: N JOHNSON
log checked by: JGG

drill model and mounting: LONGYEAR — slope: 48 deg. — R. L. surface: 11·670 m
barrel type and length: NQDT — fluid H_2O — bearing: 55 deg. — datum: — Driller G BAKER

drilling information | rock substance | rock mass defects

method: NQDT 2.45m Barrel

R.L. 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
		SAND				
1·00						
2·00		GRANITE; medium grained grey-brown	HW			broken core; 20° independent 70°; 30° independent 37°; 20° at 10mm apart; irregular breaks; 30° independent 25° highly irregular and 60°; 50°; 28°; 57°; 44°; 40° est. (broken core) abundant coarse broken core; 72°; 25° independent 40°; broken core; 24° independent 24°; 67°; 22° independent 43°; 20° at 15mm apart
3·00						
4·00						
5·00						
6·00			SW			75° independent 70° and 24° and 35°; numerous fractures; 24° at 10mm apart; 22° at 30mm apart; 24° at 10mm apart
7·00						
8·00						

joints are generally planar rough and non stained to rough coated; extensive sub-vertical joint set

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case-lift: casing used; barrel withdrawn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: Fr – fresh; SW – slightly weathered; MW – moderately weathered; HW – highly weathered; EW – extremely weathered
strength (indirect tensile strength) # test points: EL – extremely low; VL – very low; L – low; M – medium; H – high; VH – very high; EH – extremely high

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		GRANITE; medium grained grey	SW			10° independent 25°; 24° at 10mm apart; broken core
9·00						
		CORE LOSS				
10·00						broken core; 30°; 25° independent 65°; 40° at 10mm apart; 15° independent 25°; 70°; 15°; 54° highly irregular; 30° independent 70° and 35°; 15° independent 70° and 35°; 32°; 18°; 30° and 15° apart; broken core; 40° independent submental with clay coat; 13° independent 18° with clay coat; 20° independent 28°; broken core (est. 15, 10 & 34°); highly irregular
11·00						
12·00						
13·00						
14·00		END of BH 88-45 at 13·35m				

key
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