Ref 15532

MANIA DEPARTMENT OF MINES

ENGINEERING LOG – CORED BOREHOLE

37 182

borehole no. 1
sheet 1 of 1

project MARINE BOARD WHARF location SELFS POINT, NEWTOWN.

co-ordinates 5 256200mN 526870mE
R.L.
inclination VERTICAL
bearing

drill type GEMCO
drill method N.Q.
drill fluid

hole commenced 26 AUGUST 84
hole completed 28 " "
drilled by W. WEST / G. BAKER
logged by R. C. DONALDSON
checked by W. R. MOORE.

drilling information						rock substance				rock mass defects	
case-lift	fluid loss	water	notes	lugeons 0.3 1 3 10 30 100	metres R.L. / depth	graphic log	substance description: rock type, grain characteristics, colour, structure, minor components.	weathering	strength EL VL L M H VH EH	defect spacing mm. 30 100 300 1000 3000	defect description: thickness, type, inclination, planarity, roughness, coating. significant / general
					24		CLAY(CH): high plasticity, green and brown, trace fine sand, some shell fragments towards base.				
					26		SAND(SP): fine, green/brown, some shell fragments. Grades into sandy CLAY(SC) at base.				
					28		BASALT: fine grained, grey and brown, massive	HW			
					30		Similar to above, but vesicular.				
					32		massive (non-vesicular)	HW - S.W			
					34		grey colour, and vesicular.				
					36						
					38		massive (non-vesicular)	SW - FR			
							HOLE TERMINATED AT REQUIRED DEPTH OF 38.7m IN BASALT.				

Most defects are joints. The dominant set are sub-horizontal (at right angles to core axis). Set 2 occur at 30°-60° to c.a. with some near vertical. Joints are irregular, rough, and generally tight (< 1mm), but up to 3mm. Some planar fragments coated with calcite. Vugs (cm) are infilled with calcite/carbonate minerals.