Hydro Tasmania

Consulting Business Unit
Civil Engineering
Engineering Log - Corehole

corehole no: T351 (new)
Sheet 1 of 1

Job no: P208117 file:

Project: Brighton Bypass - Design
corehole location: 519550 E 5269668 N
hole commenced: 26/1/09
hole logged by: B. Taylor
hole checked by:

drill model and mounting: Poltock Special
barrel type and length: 1.5 metres
fluid: water
hole inclination: 90°
R.L surface:
datum: GDA94
driller: M. Barnett

drill data			rock substance					rock mass defects		
method	water	depth metres	graphic log	substance description: rock name, grain size, texture and fabric, colour, minor components.	weathering	strength Is (50) EL VL L M H VH EH	PLT A= Axial test D= Diametral	defect spacing mm 60 200 600 2000	RQD %	defect description: type, orientation, planarity, roughness, thickness, coating — particular / general
NQ		0		TOPSOIL, Sandy clay, red brown basalt, cobbles and boulders						
		1		BASALT, coarse grained, massive, blue grey	SW/FR		D=16.5		0	Joints, 45°, 30°, planar, rough and smooth, clay + manganese
BQ		2					D=20.5		23	Joints, mainly irregular orientations, planar and curvilinear, smooth and rough, clay, manganese
		3								
		4								
		5							100	
		6					D=17.3			
		7								
		8								
				Hole terminated @ 8.0m						

method
AS auger screwing
AD auger drilling
R roller/tricone
W washbore
T HQ tube
BQ core
NQ core
HQ core

water
6 May, 07 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
RS - residual soil
XW - extremely weathered rock
DW - distinctly weathered rock
SW - slightly weathered rock
FR - fresh rock

strength
(indirect tensile strength)
X = Point Load Test
EL- extremely low
VL- very low
L- low
M- medium
H- high
VH- very high
EH- extremely high