REF No 24628

Hydro Tasmania

Consulting Business Unit
Civil Engineering
Engineering Log - Cored Borehole

borehole no: Pole Site 3
Sheet 1 of 1

Job no: file:

Project: Proposed Transmission Line TL481
Chapel St SubStn to Chapel St Junction
borehole Location: Pole Site 3 E 520 350 N 5255 910

hole commenced: 24 June 2004 2:30pm
hole completed: 24 June 2004 4pm
hole Logged by: AJB
log Checked by:

drill model and mounting: Pionear 160 slope: Vertl deg: R.L surface: 112 m
barrel type and length: Diamond Nsize fluid bearing: deg: datum: AHD Driller DRichardson KMR Drilling

drilling information					rock substance					rock mass defects	
method	case-lift	water	notes	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
100φ Auger				5.2			Clay topsoil, pale fawn clay, gravel				
Nsize D.D							Dolerite, closely jointed, rock fresh dark grey				RQD = 0, throughout. Joints orange stained but staining ≤ 1mm depth into fresh rock
	0.95			1			Recovery 70%				
	1.45						Recovery 80%				
	1.35		New bit				Recovery 80%				
	1.5						Recovery 100%				
							Close vertl jointing 1.7-2.2m				
				2			Bleaching to light brown & light grey mottling				
	2.4						Recovery 90%				
							Steep Joint 2.7m				Sub vertl joint
							Sub horzl row of vesicles at 2.8m				
	3.0			3			Recovery 90%				
							Light grey mottling 2.8-3m				
							EoH at 3m				
				4							Note: bleaching, mottling and vesicles may be associated with dolerite/siltstone contact. Surface exposure of sub-horizontal bedded Permian siltstone at 4m from drill hole site. Geological Atlas of Tasmania, Hobart sheet indicates dolerite is Jurassic

KEY

metnod
AS auger screwing
AD auger drilling
R roller/tricone
W washbore
NMLC NMLC core drilling

case-lift
casing used
barrel withdrawn

water
10 Oct, /3 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
(Is(50) - point load tensile strength)
EL - extremely low
VL - very low
L - low
M - medium
H - high
VH - very high
EH - extremely high