REF NO 24626

Hydro Tasmania

Consulting Business Unit
Civil Engineering
Engineering Log - Cored Borehole

borehole no: Pole Site 1
Sheet 1 of 1

Job no: file:

Project: Proposed Transmission Line TL 481
Chapel St SubStn to Chapel St Junction
borehole Location: Pole Site 1
E 520 630 N 5256 230

hole commenced: 24 June 2004 8.45am
hole completed: 24 June 2004 11.30am
hole Logged by: NB
log Checked by:

drill model and mounting: Pionear 160 slope: Vert deg: R.L surface: 100 m
barrel type and length: Diamond, N size 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							Clay, pale fawn colour VS at 0.2m Fst 0.6m		P.P = 150kPa at 0.6m		
		0.7		0.7							
DD	N size			1			Siltstone gravel & pieces of dolerite gravel Recovery 17%				
		1.6					Siltstone gravel, EW siltstone Recovery 42%				Wash water pale cream
		2.15		2			Siltstone. HW-EW, Recovery 85%				Wash water brown RQD 20% Joint faces black to dark brown
		2.45					Siltstone, HW, brown-yellow Recovery 95%				RQD 25%, clay seams
		3.1		3			Siltstone, W-HW, brown-pale green Recovery 100%				RQD 50%, clay seams both sub horzl & sub vertl
				4			Strength increasing with depth				
		4.6					EoH at 4.6m				Note: The Hobart sheet of the Geological Atlas of Tasmania indicates the siltstone in this area is Permian fossiliferous siltstone of the Cascades Group
				5							

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barrel withdrawn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)
EL- extremely low
VL- very low
L- low
M- medium
H- high
VH- very high
EH- extremely high