REF NO 24627

Hydro Tasmania

Consulting Business Unit
Civil Engineering
Engineering Log - Cored Borehole

borehole no: Pole Site 2
Sheet 1 of 1

Job no: file:

Project: Proposed Transmission Line TL481
Chapel St SubStn to Chapel St Junction
borehole Location: Pole Site 2 E 520 490 N 5256 660

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

drill model and mounting: Pioneer 160 slope: Vertl deg:
barrel type and length: Diamond, N size fluid bearing: deg:
R.L surface: 105 m datum: AHD
Driller KMR Drilling: Darren Richardson

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-grey		P.P. = 60kPa at 0.5m		
						VS at 0.2m S at 0.5m				
			0.6			Clay & gravel 0.6-0.7m				
Noise D.D				1		HW siltstone with fossils (Fenus, shells) grey-brown				RQD = 0
						Recovery 60%				
			1.6			HW siltstone, brown-white				RQD = 10%
				2		Recovery 65%				Sub vertl & sub horzl joints
			2.45							Sub horzl joints with clayey gravel
						HW siltstone, brown-white				RQD = 0
			3.1	3		Recovery 50%				
						W-HW siltstone, light grey				RQD = 35%
			3.65			Recovery 80%				Vertl joint towards bottom of hole
				4		EoH at 3.65m				

Note: The Hobart sheet of the Geological Atlas of Tasmania indicates the siltstone in this area is Permian fossiliferous siltstone of the Cascades Group

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- barrel withdrawn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

SV -	slightly weathered
MW -	moderately weathered
HW -	highly weathered
E/V -	extremely weathered

strength
(indirect tensile strength)

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