

Project: Tamar Valley Power Station
 Location: Tamar Valley
 Job No: VV03886

Client: Alinta
 Start - Finish Date: 22/01/07 - 23/01/07
 Bore dia: 150mm / 90mm

Driller: KMR Drilling
 Rig: Hydra Power Scout
 Surface Conditions: Grass

Northings: mN
 Eastings: mE
 RL: m (AHD)

Logged: A.E.
 Checked:
 Oriented: -90

LAB DATA		MINOR DEFECT DATA		FIELD DATA		ROCK DESCRIPTION		ROCK CONDITION		COMMENTS
dry density (t/m ³)	moisture content (%)	minor defect description: type, dip/dip direction, colour, coating, thickness (mm), roughness	minor defect spacing (mm) 5 20 100 500 2000	field & other tests	sample type field tests ground water depth (m)	rock type, degree of weathering, colour, grain size texture and fabric, structure, angle of bedding dip geological formation	major defect description - type, dip, colour, filling, thickness (mm), roughness	rock or soil strength	moisture condition	drilling method, well construction, water and additional observations
		J80 Fe2mm					DOLERITE extremely weathered, mottled grey, brown, orange, with high plasticity clay, iron staining and iron nodules <10mm in size (continued) fresh, dark blue, medium grained			
							extremely weathered, brown, clay, high plasticity			
							CORELOSS 5.55m to 5.85m			
					6		slightly weathered, dark blue, medium grained			
							extremely weathered, mottled grey, brown, orange, green, orange staining, with high plasticity clay			
		J0 Fe			7					
							highly weathered, highly fractured, iron staining			
					8		fresh, dark blue, medium grained			
							highly weathered, highly fractured, iron staining			
		J80(CH)10mm			9		fresh, dark blue, medium grained			
							CORELOSS 9.0 to 9.1m			
							extremely weathered, mottled grey, brown, orange, green, orange staining, with high plasticity clay			
		J75 Fe14mm					fresh, dark blue, medium grained			
		J0 Fe4mm								
					10					

SKM 001 ROCK TAMAR VALLEY POWER STATION BOREHOLE LOGS 30.01.07.GPJ SKM_001_20060209.GDT 1/31/07

LABORATORY DATA UCN Unconfined Comp. Strength (MPa) UCS Unconfined Comp. Strength (MPa) TQN Unconsolidated Undrained Triaxial TQS Unconsolidated Undrained Triaxial N = Natural S = Saturated GROUNDWATER SYMBOLS ▽ = Water level (static) ▽ = Water level (during drilling) ◀▶ = Outflow / Inflow	MINOR DEFECT DATA (<10mm thickness) B Bedding plane joint Sv Sub-vertical joint Sh Sub-horizontal joint T Transverse to bedding plane RQD % core run >100mm long FIELD DATA ABBREVIATIONS Is(50) Point Load Index (MPa) N SPT blows per 300mm FPM Field permeability (packer)	FIELD DATA SYMBOLS ⊔ Packer Interval ⊗ Point Load Test ▽ Standard Penetration Test (SPT top = start of N blowcount) ⊠ Core recovered ⊞ % Core Loss per Run ■ Large core >100mm long ● Small core <100mm long	MAJOR DEFECT DATA (>10mm thickness) SH Sheared seam CR Crushed seam NF Infilled seam EW Extremely Weathered seam MOISTURE CONDITION D = Dry M = Moist W = Wet	ROCK STRENGTH (Is(50) Point Load Index) EL Ext. low <0.03 VL Very low 0.03-0.1 L Low 0.1-0.3 M Medium 0.3-1.0 H High 1.0-3.0 VH Very high 3-10 EH Ext. high >10
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BOREHOLE No. GTBH2

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dry density (t/m ³)	moisture content (%)	minor defect description: type, dip/dip direction, colour, coating, thickness (mm), roughness	minor defect spacing (mm)	field & other tests	sample type field tests	ground water depth (m)	graphic log	rock type, degree of weathering, colour, grain size, texture and fabric, structure, angle of bedding dip, geological formation	rock of soil strength	moisture condition	drilling method, well construction, water and additional observations
		J40 Fe2mm J45 Fe1mm	5 20 100 500 2000				+	extremely weathered, mottled grey, brown, orange, green, orange staining, with high plasticity clay (continued)			Bore hole back filled with Clay (CH)
							+	Bore hole terminated at 10.30m			
						11					
						12					
						13					
						14					
						15					

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