



GDA 94

BOREHOLE No. BHP3

Sheet 1 of 1

Project: Alinta Crossing
 Location: Bell Bay Power Station
 Job No: VT30282.2

Client: Transend Networks
 Start - Finish Date: 08/08 - 08/08/07
 Bore dia: 100mm

Driller: KMR Drilling
 Rig: Explore 50
 Surface Conditions: Cleared land RL:

Northings: 5445750.2mN
 Eastings: 492201.3mE
 24.870m AHD 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)	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 or soil strength	moisture condition	drilling method, well construction, water and additional observations
			5 20 100 500 2000					CORE LOSS 0.0 - 0.7m			HQ3 diamond drilling Fill material
		Sv30(Fe)1(ro)		0.70			100%	DOLERITE (FR) medium grained, dark blue	H		Jurassic Dolerite Bedrock
		Sv30(Fe)1(ro)					1				
		Sv75(CH)10(sm)	RQD 28%								
		Sv30(CH)20(sm)		1.40							
		Sv10(CH)3(sm)					2				
		Sv20(CH)5(sm)									
		Sv0(CH)10(sm)	RQD 33%								
		Sv40(CH)2(sm)									
		Sv30(Fe)1(ro)						DOLERITE (DW)	M		
		Sv80(Fe)1(ro)									
		Sv10(Fe)1(ro)									
		Sv70(Fe)3(ro)		2.90			3				
		Sv70(Fe)1(ro)	RQD 0%								
		Sv80(Fe)2(ro)									
				3.50				Borehole terminated at 3.5m in fresh dolerite bedrock as defined by scope of works. Borehole backfilled with cement to surface level.			
							4				
							5				

SKM 001 ROCK DRILL SITES ALINTA.GPJ SKM_001_20060209.GDT 19/09/07

<p>LABORATORY DATA</p> <p>UCN Unconfined Comp. Strength (MPa) UCS Unconfined Comp. Strength (MPa) TQN Unconsolidated Undrained Triaxial TQS Unconsolidated Undrained Triaxial N = Natural S = Saturated</p> <p>GROUNDWATER SYMBOLS</p> <p>▽ = Water level (static) ▽ = Water level (during drilling) ◀▶ = Outflow / Inflow</p>	<p>MINOR DEFECT DATA (<10mm thickness)</p> <p>B Bedding plane joint Sv Sub-vertical joint Sh Sub-horizontal joint T Transverse to bedding plane RQD % core run >100mm long</p> <p>FIELD DATA ABBREVIATIONS</p> <p>Is(50) Point Load Index (MPa) N SPT blows per 300mm FPM Field permeability (packer)</p>	<p>FIELD DATA SYMBOLS</p> <p>⊥ 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</p>	<p>MAJOR DEFECT DATA (>10mm thickness)</p> <p>SH Sheared seam CR Crushed seam NF Infilled seam EW Extremely Weathered seam</p> <p>MOISTURE CONDITION</p> <p>D = Dry M = Moist W = Wet</p>	<p>ROCK STRENGTH (Is(50) Point Load Index)</p> <p>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</p>
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