REF No 24408

SKM

GDA 94

BOREHOLE No. BHP5

Sheet 1 of 1

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

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

Driller: KMR Drilling
Rig: Explore 50
Surface Conditions: Native bush

Northings: 5445768.1mN Logged: ARE
Eastings: 492389.7mE Checked: DJS
RL: 30.220m 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) 5 20 100 500 2000	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 major defect description - type, dip, colour, filling, thickness (mm), roughness	rock or soil strength	moisture condition	drilling method, well construction, water and additional observations
				0.00					CLAY (CH) high plasticity, brown, gravel, dolerite <30mm	VS	M	HQ3 diamond drilling Regolith Dolerite Overburden
				Suv=17 Sur=13		X						
									CORE LOSS 0.2 - 0.7m			
								71%				
									DOLERITE (FR) medium grained, dark blue	H		Jurassic Dolerite Bedrock
		Sv15(Fe)1(ro)					1					
		Sv15(Fe)1(ro)	RQD 90%					0%				
							2					
				2.10								
			RQD 100%					0%				
							3					
				3.70					Borehole terminated at 3.7m 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 19/9/07

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