A.S. Miner Geotechnical Pty Ltd

Project	CoGG Groundwater Project	Location	Sheepwash Rd, Barwon Heads
Coordinates	E 280384.7	N 5761154.54	
Surface Level (AHD)		Bearing	Slope
Driller	South Western Drilling (Daniel)		
Drill	Geoprobe 7822DT	Barrel	Job No 697
Date Drilled	20/06/2013	Fluid No	Photo No

Bore Hole Number	BH1b
Sheet	1 of 1
Logged By	ASM
Date	20/06/2013
Checked	ASM
Approved	ASM

Soil Description

% core loss/lifts	Drilling Progress	Casing Progress	Fluid Return	Water	Notes	Elevation	Depth	U.S.C. Symbol	soil type plasticity or particle characteristics colour secondary or minor components	Graphic Log	additional observations	Moisture content	Consistency density	PP Kpa 25	50	100	200	400	Depth
							0.20		SILT, low plast, black			moist	firm						
									Claycy SAND, med, Grey Brown			sl moist	med						
									Silty CLAY, med plast, d gr/ sl or		mottled	moist	firm to st						
							1.00		SAND, med, white (calcareous sand)		cemented for 300 mm	sl moist	v dense						1
							2.00						med						2
							3.00		SAND, fine to med, gery to d grey			moist	med						3
							3.10												
							3.70		SAND, fine, white to grey		sl calcareous	sl moist to moist bec v moist							
							4.00		End of bore at 3.7 m										4
							5.00												5
							6.00												6
							7.00												7
							8.00												8
							9.00												9
							10.00												10

Rock Description

Point Load Strength Is 50 EL VL L M H VH EH	Weathering	rock substance type texture colour structure minor components	Graphic Log	rock mass defects type inclination shape roughness coating infill thickness	defect spacing mm 20	50	200	600	2000

Drilling Information

Percentage core loss is nil unless otherwise stated

Soil Information

Soil classification is based on UCS in field.laboratory

Rock Information

Bedding and defect angles are measured realtive to a plane normal to core axis

Fluid return

Water

moisture	consistency
D dry	VS very soft
M moist	S soft
W wet	F firm
density	St stiff
VL very loose	VSt very stiff
L loose	H hard
MD medium	
D dnese	Fr friable
VD very dense	

strength	weathering	
Is (50)	FR	Fresh
EL extremely low	SW	Slightly
VL very low	MW	Moderately
L low	HW	Highly
M medium	EW	Extremely
H high	D	Distinctly
VH very high		
EH extremely high	jt	joint
5.0 test result MPa	bp	bedding plane

Notes

Initial indication of water around 1.9 m

Water in newly constructed piezometer 0.83 below top of PVC

Piezometer details in BH1b

1.0 to 3.7 m machine slotted 0.4 aperture screen pvc 50 mm dia

0.95 to 3.7 m filter pack 8/16 graded filter sand

0.4 to 0.95 m bentonite chip seal

0.0 to 0.4 m cuttings and cement grout backfill

Flush to the ground gatic and concrete monument