



# TEST PIT/BOREHOLE LOG SOIL

No: MB07

Page: 1 of 1

Client: TAS MAGNESITE  
Project: ARTHUR RIVER  
Job No: MB07  
Location: MB07  
Date: 27/4/11

Contractor Co: Edrill  
Contractor:  
Type: DIAMOND  
Inclination: 90  
Bearing:

Easting:  
Northing:  
Grid Ref:  
Collar RL:  
Logged by: CCA Checked by:

to: 29/4/11

Depth (m)	Method	Water	Group Symbol	MATERIAL DESCRIPTION Type, colour, particle size and shape, structure	Moisture	Consistency / Density	In situ Testing	FIELD TESTS & NOTES	Sampling / Runs	Lab. Testing
0.00				RIVER GRAVELS. Yellow/brown, fine at top, coarse at base. Sub-rounded to angular. 40% schist, 60% quartzite	Wet	Very Soft		Schist and quartzite gravels		
0.25			GP							
0.50										
0.75				RIVER SEDIMENTS. Yellow/brown to black. Well graded. Rounded to sub-angular, elongate. 30% lake sedls, 70% schist/quartzite	Wet	Very Soft		Schist and quartzite gravels with fragments of lake sediments		
1.00			GW							
1.25										
1.50			GP	GLACIALS. White/grey. Sub-angular. Irregular shape. Uniformly graded.	Dry			Quartzite gravels (loose)		
1.75										
2.00			PT	LAKE SEDIMENTS. Banded grey/black. 70% silt, 30% organics. Partly graded to 5mm. Flat and elongate organics.	Wet	Very Soft		Woody material in organics		
2.25										
2.50				End of soil log. Refer to rock						

- consistency: VS very soft, S soft, F firm, ST stiff, VST very stiff, H hard
- relative density: VL very loose, L loose, MD medium dense, D dense, VD very dense
- moisture: D Dry, M Moist, W Wet
- water: water level, level risen to, water inflow

- sampling: intact sample from core, intact tube sample

- Disturbed sample, WS Water Sample, BS Bulk Sample, AS Auger Sample

soil classification: soil is classified in accordance with AS1728 unless otherwise noted

## CORE LOG SHEET

Client: **TAS MAGNESITE**  
 Project: **ARTHUR RIVER**  
 Location: **MB 07**

LOCATION No.

SHEET 1 OF 2

Position: , Surface RL: Inclinatio\Bearing: \ -90 Processed:  
 Contractor: **Edrill** Rig Type: **Diamond** Checked:  
 Date Started: **27/4/11** Date Completed: **29/4/11** Logged by: **CCA** Date:

DRILLING				MATERIAL						ADDITIONAL DATA		
SCALE (m)	Method	Run	Water	Depth / (RL) metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure	Weathering	Estimated Strength	Core Recovery (%)	Defect Spacing (mm)	Samples & Tests	SCALE (m)
								20 80 100 1000			Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	
				7.6		DOLERITE, brown, spotted. Shattered, weathering to clay	XWEL			100		
				10.4		DOLERITE. Brown, spotted. Shattered Medium-grained	XW VL		35			
				20		DOLERITE. Brown/green shattered. More clay than rock.	XW VL		30			
				24.8		MAGNESITE, white, spotted/blotched	FR VH		80			
				25.4		NO RECOVERY						
				30.3		MAGNESITE, white, spotted/blotched.				See	SRC 8-10	
				32.8		MAGNESITE, pink/white spotted				100	SRC 10-12	
				33.0		CAVITY, UNFILLED						
				33.1		DOLOMITE, grey to limonite stain on fractures	FR H					
				33.2		NO RECOVERY						
				33.4		MAGNESITE, pink.	MWL				Rock mass weathering away, leaving remnant veins	
				33.5		NO RECOVERY						
				33.7		MAGNESITE, pale pink	FR VH					
				34.1								

See standard sheets for details of abbreviations & basis of descriptions



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Job No.



Client: TAS MAGNESITE  
Project: ARTHUR RIVER  
Location: MBO7

SHEET 2 OF 2

Position :	Surface RL :	Inclination\Bearing : 1 -90	Processed :
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Contractor: <u>Edrill</u>	Rig Type: <u>Diamond</u>	Checked: _____
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Date Started : 27/4/11	Date Completed : 29/4/11	Logged by : CSA	Date :
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DRILLING				MATERIAL						ADDITIONAL DATA			
SCALE (m)	Method	Run	Water	Depth / (RL) metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure	Weathering	Estimated Strength	Core Recovery (%)	Defect Spacing (mm)	Samples & Tests	SCALE (m)	
								20	80	10	100	1000	
				34.1		NO RECOVERY							
				34.3		MAGNESITE, stained pink proximal to cavity	SW H					250	
				34.8		MAGNESITE, white. Crystalline veins (K <sub>2</sub> SO <sub>4</sub> )	FR VH					1000	
				37.3		MAGNESITE, pale pink.	FR VH					1000	
				37.3		NO RECOVERY							
				39.4		MAGNESITE, pink	FR H					300	
				39.7		MAGNESITE, pale pink	FR VH					1000	
				41.8		MAGNESITE, pink	FR VH					500	
				42.8		MAGNESITE, pale pink.	FR VH					500	
				43.3									
						E.O.H							

See standard sheets for details of abbreviations & basis of descriptions



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