



TEST PIT/BOREHOLE LOG SOIL

No:

Page: 1 of 1

Client: TAS MAGNESITE
Project: ARTHUR RIVER
Job No:
Location: ARO32
Date: 26/5

Contractor Co:
Contractor: Edrill
Type: Diamond
Inclination: -60
Bearing: 330

Easting: 367575.7
Northing: 5439493.4
Grid Ref: 61MGA 255
Collar RL: 167
Logged by: CSA Checked by:

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				NO RECOVERY						
2.5			GC	CLAY, orange/brown, gravelly gossanous clasts.	W	VS VL				
4.0			GC	CLAY, as above, but red/brown in colour. Some clasts gossanous, others soft, clayey, x.w. dolerite	M	VS L				
5.5				END OF SOIL LOG, REFER TO ROCK						
1.00										
1.25										
1.50										
1.75										
2.00										
2.25										
2.50										

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

notes:

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 AS1726
unless otherwise noted

CORE LOG SHEET

Client: **TAS MAGNESITE**
 Project: **ARTHUR RIVER**
 Location: **AR032**

LOCATION No.

SHEET 1 OF 5

Position: , Surface RL: Inclination/Bearing: **176/33₂** Processed:
 Contractor: **Edrill** Rig Type: **Diamond** Checked:
 Date Started: **26/5** Date Completed: **30/5** 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	10	100	1000	
				5.5		DOLERITE, red to dark yellow/brown. Spotted white. Spotted white. Medium-grained	XW EL						Highly sheared in middle, \Rightarrow small fault.
				6.1		DOLERITE, as above, but dominated by limonite	XW VL			30			Much limonite. Rubbly.
				6.6		DOLERITE, red, spotted white. Medium-grained	XW VL				100		Very little limonite. Broken
				8.1		DOLERITE, red, spotted white. Some gossanous limonite	XW EL			85			Frequent limonite fragments
				16.8		DOLERITE, yellow to brown. Banded	XW VL			100			Intensely sheared margins
				14.9		DOLERITE, red to brown. Minor banding.	XW EL			60			Gravelly rubble, mostly clay to limonite clasts.
				15.0		Limonite clasts in clay							
						DOLERITE, orange to dark brown, weakly banded in parts. Spotted white to grey	XW EL			50			Moderately sheared to slickenlines. Limonite throughout.
				20.9		DOLERITE, as above but often pink, spotted white groundmass, less limonite	XW EL			50			As above to less limonite
				27.0		DOLERITE, pale brown to black. Medium-grained	XW EL			60			Crumbly. Limonite throughout
				29.5		DOLERITE, pink, spotted white. Minor dark brown banding.	XW EL			60			Highly sheared. Red hematitic veins. Some limonite
				31.0									

See standard sheets for details of abbreviations & basis of descriptions



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Job No.

CORE LOG SHEET

Client : TAS MAGNESITE

Project : ARTHUR RIVER

Location : ARO32

LOCATION No.

SHEET 2 OF 5

Position :

Surface RL :

Inclination/Bearing : 1° 60' / 330

Processed :

Contractor : Edrill

Rig Type : Diamond

Checked :

Date Started : 26/5

Date Completed : 30/5

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	ADDITIONAL DATA	SCALE (m)
								20	80	10	100	1000	
				31.0		DOLERITE as above but no keratite veining	xw EL		40				
				38.0		DOLERITE, as above but to intermittent zones of crumbly dolerite.	xw EL		70			Pink dolerite highly sheared.	
				44.2		DOLERITE, brown to grey, medium-grained. Minor pink spotted white dolerite.	xw EL		60			Generally crumbled. More competent zones. Moderately sheared.	
1				50.4		DOLERITE, brown to dark brown.	xw VL		50			Limonite replacement at top, limonite veins at base.	1
				51.8		DOLERITE, gray/green to yellow. Medium to fine-grained.	xw EL		30			Sheared. Much limonite in most weathered material.	
				56.5		DOLERITE, brown to dark brown. Medium-grained.	xw VL		25			Limonite on fractures. Moderately sheared.	
2				57.0		DOLERITE, gray to brown, medium-grained.	xw EL		45			Brown dolerite mostly replaced by limonite. Mostly rubble.	
				65.5		NO RECOVERY							
				68.5		CLAYS/FAULT. Orange/brown to little or no structure. Angular clasts to 2cm.	xw EL		60				
				67.8		Gossan, dark brown to angular quartz crystals to 1.5cm.	xw H		15			Rubble.	
				73.0									
3				74.5		NO RECOVERY							

See standard sheets for details of abbreviations & basis of descriptions



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CORE LOG SHEET

Client: TAS MAGNESITE

Project: ARTHUR RIVER

Location: ARO32

LOCATION No.

SHEET 3 OF 5

Position:

Surface RL:

Inclination/Bearing: 1-60/330

Processed:

Contractor: Edrill

Rig Type: Diamond

Checked:

Date Started: 26/5

Date Completed: 30/5

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	ADDITIONAL DATA	SCALE (m)
								20	80	10	100	1000	
				74.5		MAGNESITE, white, fibrous to brown, soft clays. Occasional hard gossan clasts	KW EL		20				Brown clays possibly overdrill. Magnesite lightly foliated.
				76.0		NO RECOVERY							
				83.5		MAGNESITE, white, as above but with dolerite clasts.	KW EL		80				Fault zone?
				83.8		DOLOERITE, dark brown/black to some brown clay.	KW EL			100			Crumbling, much limonite in upper part.
				86.0		POOR RECOVERY, mostly cuttings drill cuttings.							
				90.8		MAGNESITE, pink. Groundmass weathering leaving veins	MW M			100			Bottom sharply bound by linear carbonate vein. Highly veined
				91.5		MAGNESITE, pale pink, as above but less weathered. Mottled	FR VH			300			
				93.6		NO RECOVERY							
				94.3		MAGNESITE, pale pink, as above	FR VH			600			Top slightly weathered, softening.
				95.5		NO RECOVERY							
				97.0		MAGNESITE, as above	FR VH			200			
				97.2		MAGNESITE, brown, mottled white quartz crystals. Sandy texture	MW H			60			
				97.3		NO RECOVERY							
				99.0									

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Job No.

CORE LOG SHEET

Client: TAS MAGNESITE

Project: ARTHUR RIVER

Location: AR032

LOCATION No.

SHEET 4 OF 5

Position:

Surface RL:

Inclination/Bearing: 1-60/330

Processed:

Contractor: Edrill

Rig Type: Diamond

Checked:

Date Started: 26/5

Date Completed: 30/5

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	10	100	1000	
				99.0		GRAVELS, brown, well sorted fine to medium gravels.	XW EL		80				Mostly cuttings, original material indefinable.
				99.4		MAGNESITE as above	HW M		60				
				99.5		But pink magnesite but more weathered							
						FAULT, filled to compact magnesite clay and angular quartz to 2cm	XW VL		100				Angular quartz clasts.
				99.7		MAGNESITE, pink, mottled white.	HW H		30	30			Shattered
				100.4		NO RECOVERY							
				101.5		MAGNESITE, pink weathering to clay	HW M						
				101.7		MAGNESITE, pink, Variably weathered and stained	MW VH		300				Bound by linear carbonate vein Limonite developing along some carbonate veins. Colour from pink to grey/off-white
				104.0		NO RECOVERY							
				105.0									
				106.0		MAGNESITE, pink	SW H		500				Pink clasts often marginally softer than usual
						NO RECOVERY							
				109.0		MAGNESITE, pink	HW M		90	150			Multiple small completely weathered zones. General rock mass weathering to clay.
				114.9		MAGNESITE, pale pink	FR VH		450				Weathered upper surface.
				115.8		MAGNESITE, pink as above but darker coloration	FR VH		200				Many linear carbonate veins, most aligned.
				117.3		MAGNESITE, pale pink, mottled white	FR VH		1000				
				119.8									

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SHEET 5 OF 5

Processed :

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