

# **LYNCH MINING PTY LTD**

**EL7/2005 “LUINA”  
Annual Report for the Period 30<sup>th</sup> June 2007 to  
30<sup>th</sup> June 2008.**

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May 2008**

## **SUMMARY**

Exploration Licence 7/2005, "Luina" covering an area of 18km<sup>2</sup> lies west southwest of Waratah in northwestern Tasmania. The area is held by Lynch Mining Pty Ltd.

This report describes activities conducted on the tenement area during the Annual Period 30<sup>th</sup> June 2007 to 30<sup>th</sup> June 2008.

A total of 30 aircore drill holes were completed on the Cleveland Tin mine tailings dams for 564 metres. In addition 2 auger drill holes were completed for a total of 47.6 metres. Piezometers were installed in the 2 auger holes in conjunction with MRT personnel for environmental monitoring.

Composited samples from each of the completed holes were prepared and are currently being metallurgically evaluated at the Burnie Research Laboratory. Individual assay samples for each metre of drilling were also collected, but no assaying has been undertaken on these samples to date.

A Mine Lease Application covering approximately 508 hectares over the Cleveland Mine area was prepared and has been lodged with MRT.

Expenditure for the period totalled \$134,158.

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## **Digital File List (on CD at back of report)**

EL072005\_200806\_A\_01\_Report.pdf  
EL072005\_200806\_A\_02\_Map.pdf  
EL072005\_200806\_A\_03\_Map.pdf  
EL072005\_200806\_A\_04\_Map.pdf  
EL072005\_200806\_A\_05\_Appendix.pdf  
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## **1.0 INTRODUCTION**

This report details all exploration work undertaken on Exploration Licence 7/2005, “Luina” during the Annual Period 30<sup>th</sup> June 2007 to 30<sup>th</sup> June 2008.

Exploration Licence 7/2005, “Luina” covering an area of 18 km<sup>2</sup>, lies in western Tasmania and is situated to the west of Waratah (Figure 1). Access is via the sealed Waratah-Savage River road and then via a series of old sealed and unsealed mine access and forestry roads/tracks.

EL 7/2005 is situated in western Tasmania and lies within the Burnie (SK55-3) 1:250,000 map sheet.

The terrain is dominated by steep shrub and tree covered slopes, with a significant area of rehabilitated mine workings and former town site. Areas of former forestry clearing are also present. The Whyte River transects the tenement area.

Exploration work during the reporting period has comprised ground completion of 30 aircore and 2 auger drill holes on the major tailings dam areas and collection of representative samples for metallurgical test work. A mine lease application was also lodged with MRT during the period.

The principal exploration targets for the area are the Cleveland Mine Sn/Cu tailings dams and remaining potential unquantified underground resources in the Cleveland Mine.

## **2.0 TENURE**

Exploration Licence 7/2005 (Luina) covering an area of 18 km<sup>2</sup> was granted to Lynch Mining Pty Ltd on 30<sup>th</sup> June 2005 for a period of 5 years (Figure 1). A Mining Lease Application covering approximately 508 hectares of this licence area and over the historic Cleveland Tin Mine area was made on 15<sup>th</sup> April 2008.

## **3.0 PREVIOUS EXPLORATION**

The Cleveland deposit was discovered in 1898. Initial production of the surficial ore commenced in 1908, and ceased in 1914 after production of 295.5 tons of cassiterite. Tributing continued until 1917, during which time a further 48 tons were produced. Aberfoyle commenced mining in 1968, and mining was ceased in early 1986, primarily due to the collapse of the tin price.

At the cessation of the more recent mining approximately 7 million tonnes of ore assaying 0.82% Sn and 0.35% Cu had been processed.

Various reports show that a significant resource remains in the deposit, with Measured and Indicated resources of 5.2 million tonnes @ 0.70% Sn and 0.31% Cu and Inferred

resources of 1.3 million tonnes @ 0.72% Sn and 0.22% Cu at a 0.35% Sn cutoff. In addition, a large resource known as the Foley Zone located at the lower levels of the mine had been drilled and is reported to contain 3.8 million tonnes @ 0.28% WO<sub>3</sub> at a 0.2% cutoff. Data for these estimates has not yet been either sourced or verified.

#### **4.0 REGIONAL AND LOCAL GEOLOGY**

The Cleveland orebodies occur in a steeply dipping northeast trending succession of arenaceous, argillaceous, and chemical sediments and mafic volcanic rocks and ultramafic/mafic complexes. The sequence is unfossiliferous but has been correlated by rock type with the Cambrian Crimson Creek Formation of the Zeehan-Rosebery area. The Meredith Granite, a high level, late tectonic Late Devonian to Early Carboniferous granitic pluton believed to be genetically associated with the mineralisation, intrudes the sequence east and south of the mine. The Cleveland orebodies are located in a dominantly fine grained sedimentary sequence that is thought to lie in an embayment on the margin of a basaltic eruptive centre.

The tin-copper orebodies occur as a series of sub parallel, near vertical sulphide lenses within the Halls Formation. The mineralisation is composed largely of fine to medium grained quartz, tourmaline, fluorite, chlorite, and pyrrhotite plus chalcopyrite, cassiterite and stannite. Eleven lenses are recognised and are divided into two groups; the footwall and the hanging-wall lodes separated by a micaceous greywacke unit and an overlying basic volcanic unit. The footwall lodes are composed of three relatively thick lenses (Henrys, Lucks and Khaki) which have a strike length of less than 200 metres. The hanging-wall lodes (or Halls lenses) comprise five lenses and have a greater strike length and stratigraphic continuity than the footwall lodes, attaining a maximum thickness of about 30 metres and a maximum strike length of about 600 metres. The sulphide lenses are offset by a series of subparallel, southeast dipping reverse faults.

#### **5.0 EXPLORATION ACTIVITIES**

Exploration during the period has principally involved drilling of the two major tailings dams for metallurgical test work samples.

##### **5.1 DRILLING**

A total of 30 aircore drill holes were completed on the Cleveland Tin mine tailings dams for 564 metres. In addition 2 auger drill holes were completed for a total of 47.6 metres. Piezometers were installed in the 2 auger holes in conjunction with MRT personnel for environmental monitoring.

Drilling was undertaken using Tasmanian Drilling Services from New Norfolk with a small truck mounted rig. Drill access to the well revegetated tailings dams was made by hand on TD1 and with a small bulldozer on TD2 principally to clear thicker bushy areas of regrowth. No large trees are present on the dam areas, with many of the larger acacias

nearing the end of their lifespan and at least partly dead. Access avoided removal of any of the larger living trees. In most cases it was necessary to inject water whilst drilling to bring the partly tacky sample to the surface, resulting in a majority of damp to very wet samples. All material reaching the surface was collected at 1 metre sample intervals into green plastic sample bags. A small (100-200 gram) sample was collected from each bagged sample for assaying if required. No assaying has yet been undertaken.

Scanned drill logs are contained as Appendix 2. As no rock types are present in the tailings dams these logs have not been recorded electronically and hence no text files relating to these logs are included with this report.

Drill sites were rehabilitated immediately after drilling, with all samples removed to a central bag dump and excess cuttings placed down the drill holes prior to capping. All rubbish was removed from site and placed in the Waratah waste disposal area.

## **5.2 METALLURGICAL TESTWORK**

Composited samples from each of the 32 completed holes were prepared and are currently being metallurgically evaluated at the AMMTEC Burnie Research Laboratory. Individual assay samples for each metre of drilling were also collected, but no assaying has been undertaken on these samples to date.

## **6.0 EXPENDITURE**

Expenditure over the licence area totalled \$134,158 during the reporting period to 27<sup>th</sup> May 2008, and is broken down by expense in the table below: –

Staff Salaries & wages	\$9,150
Contract and Consulting Geologists, Field Assistants	\$44,783
Safety, Health and Environment	\$106
Ground geophysical surveys, Consultants and Interpretation	\$0
Drilling	\$36,156
Drilling Consumables	\$1,900
Assaying	\$
Petrology	\$
Communications	\$12
Equipment Hire	\$900
Printing and Digital Data	\$112
Tenure Maintenance	\$5,097
Field Expenses	\$550
Freight and Storage	\$198
Travel & accommodation	\$15,196
Vehicle hire/fuel/maintenance	\$2,499
Administration overheads @ 15% of above	\$17,499
<b>TOTAL</b>	<b>\$134,158</b>

## **7.0 CONCLUSIONS AND RECOMMENDATIONS**

EL 7/2005 covers the old Cleveland Sn/Cu Mine area in western Tasmania, which has been subject to a long period of exploration and mining.

Drilling of the tailings dams has provided samples for metallurgical testing which is ongoing.

A Mine Lease Application covering approximately 508 hectares was completed covering the principal known resources in the area, and allowing for necessary infrastructure.

Evaluation of drill samples will be continued.

Historical data which has been used for underground resource estimation will be sourced if possible and recompiled to a modern dataset for further evaluation.

## **APPENDIX 1**

### **DRILL HOLE COLLAR LOCATIONS**

# CLEVELAND DRILL COLLARS

<b>Hole ID</b>	<b>Easting(MGA94)</b>	<b>Northing(MGA94)</b>	<b>Dip</b>	<b>Eoh Depth (m)</b>
CTD101	364572	5407299	-90	19.5
CTD102	364587	5407295	-90	19.0
CTD103	364596	5407284	-90	19.0
CTD104	364610	5407278	-90	14.0
CTD105	364625	5407280	-90	13.0
CTD106	364639	5407274	-90	12.0
CTD107	364654	5407268	-90	10.0
CTD108	364666	5407264	-90	6.5
CTD109	364681	5407261	-90	5.0
CTD110	364696	5407265	-90	4.0
CTD111	364605	5407278	-90	16.1
CTD201	364572	5406658	-90	35.0
CTD202	364578	5406680	-90	35.0
CTD203	364577	5406700	-90	31.5
CTD204	364578	5406719	-90	33.0
CTD205	364589	5406733	-90	33.0
CTD206	364605	5406751	-90	30.0
CTD207	364620	5406765	-90	26.0
CTD208	364607	5406796	-90	29.0
CTD209	364642	5406753	-90	28.0
CTD210	364633	5406782	-90	26.0
CTD211	364641	5406802	-90	25.0
CTD212	364647	5406820	-90	25.0
CTD213	364656	5406835	-90	24.0
CTD214	364658	5406854	-90	17.0
CTD215	364669	5406872	-90	14.0
CTD216	364683	5406887	-90	10.0
CTD217	364693	5406904	-90	9.0
CTD218	364711	5406913	-90	11.0
CTD219	364728	5406923	-90	13.0
CTD220	364736	5406941	-90	9.0
CTD221	364744	5406956	-90	10.0

**APPENDIX 2**

**DRILL HOLE LOGS**

Licence No. EL 7/2005			Map Sheet 3640			AMG Zone 55			AMG Coord: 364572 E SA07299N MGA				
Driller TMS DRILLERS			Rig			Prospect TDI			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		3.0	SND		YB	GR						Partly orange oxidised
	2		2.0	SND		GR							Med-dark grey sand
	3		1.0	SND		↓							
	4		1.0	SND		↓							
	5		1.0	↓		↓							
	6		1.0	↓		↓							
	7		2.0	↓		↓							
	8		4.0	↓		↓							
	9		4.0	↓		↓							
	10		2.0	↓		↓							
	11		3.0	↓		↓							
	12		5.0	↓		↓							
	13		3.0	↓		↓							
	14		12.0	↓		↓							Possibly partly finer - slightly damp
	15		1.0	↓		↓							Damp
	16		3.0	↓		↓							Dominantly sand Damp
	17		7.0	↓		↓							Dominantly very fine sand Wet
	18		10.0	↓		↓							Wet
	19		7.0	↓		↓							Wet
19	19.5		2.0	BR		GR	YB						Hole stopped at 19.5m in rock refusal

Licence No. EL 7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364527 E 5407295N MGA							
Driller T&S DRILLERS			Rig			Prospect TDI			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		1.0	5ND		YB	GY						Yellow brown to grey oxidised in part sand
	2		1.0	↓		GY							Grey sand
	3		2.0	↓		↓							↓
	4		2.0	↓		↓							↓
	5		2.0	↓		↓							↓
	6		1.0	↓		↓							↓
	7		1.0	↓		↓							↓
	8		12.0	↓		↓							Archaic possibly slightly damp some fines
	9		3.0	↓		↓							Grey sand
	10		7.0	↓		↓							slightly damp
	11		5.0	↓		↓							↓
	12		2.0	↓		↓							Some fines
	13		1.0	↓		↓							Moderately damp
	14		3.0	↓		↓							Slightly damp
	15	WT	6.0	↓		↓							Some fines sticking
	16		9.0	↓		↓							↓
	17		25.0	↓		↓							↓
	18		5.0	↓		↓							Some BR chips
18	19		1.0	BR		↓	YB						Bedrock & tailings coatings
				RE FUSAL	At	19m							

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DRILL LOG SHEET

Licence No. EL7/2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364596 E 5407284N MGA						
Driller TDS DRILLERS			Rig			Prospect CDI			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		2.0	SOIL		G4	GR						Partly rock and soil cover off down & contaminated
	2		0.5	SL		YB	GR						? Oxidised in part sticky slimes
	3		0.5	?FN		G4							Very fine dark grey sand (? fines) to powder
	4		1.0	↓		G4							↓
	5		0.3	↓		↓							↓
	6		0.5	↓		↓							↓
	7		2.0	↓		↓							Partly clayey Damp
	8		0.2	↓		↓							Dusty - probably fines
	9		0.7	↓		↓							↓
	10		0.7	↓		↓							↓
	11		0.1	↓		↓							↓
	12		0.1	↓		↓							Slightly damp
	13		0.1	↓		↓							↓
	14		3.0	↓		↓							Damp
	15		0.1	↓		↓							Dusty
	16		4.0	↓		↓							Damp
	17		15.0	↓		↓							↓
	18		8.0	↓		↓							↓
	19		14.0	BR		GR	G4						Bedrock with some tailings contaminated row
REFUSAL AT 19.0m													

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DRILL LOG SHEET

Licence No. EL7/2005			Map Sheet 3640			AMG Zone 55			AMG Coord: 364610 E 540728N			MGA		
Driller TAS DRILLERS			Rig			Prospect TD1			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments	
0	1		2.0	SL		YB	GY						Yellow brown to grey soft plastic partly weathered? slimes	
	2		3.0	↓		GY							Light grey plastic? slimes	
	3		2.5	↓		↓							↓	
	4		1.0	SAND		↓							Medium grey fine sand, partly plastic.	
	5		1.5	↓		↓							↓	
	6		1.5	FN		↓							Grey very fine tailings - water injected	
	7		2.5	↓		↓							↓	
	8		7.0	↓		↓							↓	
	9		2.0	↓		↓							↓	
	10		2.5	↓		↓							↓	
	11		4.0	↓		↓							↓	
	12		10.0	↓		↓							↓	
	13		8.0	SND/FN		↓							Mixed sand and very fine silt - water injected	
	14		10.0	FN/BR									Mixed fines and bedrock material.	
				T.D 14m - BEDROCK REFUSAL										

Licence No. EL7 2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364625 E 5407280 N MGA							
Driller TAT DRILLERS		Rig		Prospect TDI		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		5.0	O/B		YB							Rock fragments & some oxidised tailings
	2		3.0	FN?		GY							Gray sticky very fine clayey tails
	3		7.0	↓		↓							↓
	4		4.0	↓		↓							↓
	5		2.0	↓		↓							Sticky ? fines as above
	6		2.0	↓		↓							↓
	7		8.0	↓		↓							Water injected
	8		2.0	↓		↓							↓
	9	} Comb Sample }	11.0	↓		↓							↓
	10			↓		↓							
	11		10.0	↓		↓							↓
	12		5.0	↓		↓							Some rock fragments
	13		17.0	FN/BR		↓	YB						Dominantly fine sticky gray tailings with basement rock fragments
				T.D.	13m	- CLOSE TO REFUSAL							









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DRILL LOG SHEET

Licence No. EL7 2005		Map Sheet 36AO		AMG Zone 55		AMG Coord: 364696 E 5207265 N MGA							
Driller TAS DRILLERS		Rig		Prospect TD1			Line		Analytical Submission Sheet:				
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		4.0	OB		YB							Yellow brown to greenish grey overburden - minor oxidised soil
	2		1.0	OB/SL		YB	GM						Overburden rock with some grey ?stine tailings
	3		7.0	SL		GM						Water Injected	Dominantly sticky clay ?stine tailings - some rock from above
	4			N/S									
HOLE ABANDONED AT 4m - NO SAMPLE													
RETURN - SOME GRAVEL FROM ABOVE.													

Licence No. EL 7/2005			Map Sheet 3640			AMG Zone SS		AMG Coord: 364572 E 5406652N MGA					
Driller TAS DRILLERS			Rig			Prospect TD2			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		1.0	SAND		YB							Oxidised yellow brown tailings sand
	2		1.0	↓		GY	YB						Partly oxidised tailings sand
	3		2.0	↓		GY							Gray tailings sand
	4		5.0	↓		↓							
	5		6.0	↓		↓							
	6		5.0	↓		↓							
	7	} POOR SAMPLE }	1.0	↓		↓							} Damp grey partly clayey sand tailings - very poor sample }
	8			↓		↓							
	9			↓		↓							
	10		2.0	↓		↓							Gray fine to very fine tailings
	11		2.0	↓		↓							
	12		1.0	↓		↓							
	13		1.0	↓		↓							
	14		3.0	↓		↓							Very slightly damp.
	15		1.0	↓		↓							
	16		10.0	↓		↓							Slightly damp weakly clayey
	17		2.0	FN?		↓							Gray very fine tailings - fines dry
	18		2.0	↓		↓							
	19		5.0	↓		↓							
19	20		4.0	↓		↓							

Licence No.			Map Sheet			AMG Zone			AMG Coord: E N				
Driller			Rig			Prospect			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
20	21		7.0	FN		GY							Very fine tailings - fines? Dry
	22		3.0	↓		↓							↓
	23		4.0	↓		↓							↓
	24		3.0	↓		↓							↓
	25		2.0	↓		↓							↓
	26		3.0	SAND		↓							Gray fine sand tailings Damp
	27		4.0	↓		↓							↓
	28		1.0	↓		↓							↓
	29		7.0	FN		GY							Moderately damp "fine" tailings
	30		6.0	FN/SAND		↓							Mixed damp fines and sand
	31		35.0+	FN		↓							Probably fines - very wet from water injection
	32		4.0	↓		↓							↓
	33		13.0	↓		↓							↓
	34		10.0	↓		↓							↓
	35		15.0	FN/BR		↓	YB						Probably minor basement at base of water injected fines.
						T.D. 35m - BEDROCK							

Licence No. EL7 2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364578 E 5406680 N MGA							
Driller TAS DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		1.0	OB/SAND		YB	GY						Mixed overburden / oxidised and grey tailings sand.
	2	POOR SAMPLE	0.3	SAND		GY							Grey tailings sand
	3	↓	0.3	↓		↓							↓
	4		1.0	↓		↓							↓
	5		2.0	↓		↓							↓ Slightly damp
	6		3.0	↓		↓							↓
	7		3.0	↓		↓							↓
	8		5.0	FN		↓							Medium dark grey moderately damp fines
	9		3.0	↓		↓							↓
	10		3.0	↓		↓							↓
	11		4.0	↓		↓							↓
	12		6.0	SAND		↓							Dark grey sand with some fines - slightly damp
	13		4.0	↓		↓							↓
	14		4.0	↓		↓							↓
	15		6.0	↓		↓							↓
	16		6.0	↓		↓							↓
	17		5.0	↓		↓							↓
	18		3.0	↓		↓							↓
	19		5.0	↓		↓							↓
	20		5.0	↓		↓							↓

Licence No.			Map Sheet			AMG Zone			AMG Coord: E N				
Driller			Rig			Prospect			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
20	21		4.0	SAND		GY							As above, moderately damp
	22		9.0	↓		↓							↓
	23		5.0	FN		↓					? Water	Table	Moderately wet dark grey fine tailings
	24		6.0	↓		↓							↓
	25		4.0	↓		↓							↓
	26		23.0	↓		↓							Water Injection
	27		25.0+	↓		↓							↓
	28	VERI WET	16.0	↓		↓							↓
	29		10.0	↓		↓							↓
	30		8.0	↓		↓							↓
	31		6.0	↓		↓							↓
	32		13.0	↓		↓							↓
	33		6.0	↓		↓							↓
	34		18.0	↓		↓							↓
	35		8.0	FN/BR		GY	YB						Mixed fines and bedrock
						REFUSAL	AT 35m						↓

Licence No. EL 7/2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364578 E 5406719 N MGA						
Driller TFS DRILLERS		Rig			Prospect TD2		Line		Analytical Submission Sheet:				
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1	Poor Sample	2.0	OB		YB	GY						Overburden clay/rock and some oxidised and grey tailings
	2	↓	1.0	↓		↓	↓						↓
	3		2.0	SAND		GY							Grey tailings sand
	4		2.0	↓		↓							↓ Partly clayey and damp
	5		0.5	↓		↓							↓
	6		5.0	↓		↓							↓
	7		1.0	↓		↓							↓
	8		5.0	↓		↓							↓
	9		5.0	↓		↓							↓
	10		5.0	↓		↓							↓
	11		2.0	↓		↓							↓
	12		7.0	↓		↓							↓
	13		5.0	↓		↓							↓
	14		3.0	↓		↓							↓
	15		6.0	↓		↓							↓
	16		10.0	FN		↓							Dark grey sticky fines - partly wet
	17		8.0	↓		↓							↓
	18		12.0	SAND		↓							Dark grey sand
	19		14.0	FN		↓							Grey fines - very wet water injection
	20		16.0	↓		↓							↓



Licence No. EL7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364589 E 5406733 N MGA							
Driller TAS DRILLERS			Rig			Prospect TD2			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		4.0	SAND		YB	GY						Partly oxidised sand tailings with clay and gravel
	2		3.0	↓		GY							Grey sand tailings - damp
	3		1.0	↓		↓							↓
	4		3.0	↓		↓							↓
	5		6.0	FN		↓							Grey very wet Water Injection fines
	6		10.0	↓		↓							↓
	7		8.0	↓		↓							↓
	8		6.0	SAND		↓							Grey very wet sand
	9		9.0	↓		↓							↓
	10		8.0	↓		↓							↓
	11		8.0	↓		↓							↓
	12		9.0	Fines		↓							Grey very wet ? fines
	13		10.0	↓		↓							↓
	14		7.0	↓		↓							↓
	15		8.0	↓		↓							↓
	16		12.0	↓		↓							↓
	17		10.0	↓		↓							↓
	18		10.0	↓		↓							↓
	19		12.0	↓		↓							↓
	20		7.0	↓		GY	BR						Partly brown coloured

Licence No.			Map Sheet			AMG Zone			AMG Coord: E N				
Driller			Rig			Prospect			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
20	21		11.0	FN		GM	BR						AS above Water saturated
	22		11.0	↓		↓	↓						↓ ↓
	23		9.0	↓		↓	↓						↓ ↓
	24		10.0	↓		↓	↓						↓ ↓
	25		13.0	↓		↓	↓						↓ ↓
	26		4.0	↓		↓							↓ ↓
	27		5.0	↓		↓							↓ ↓
	28		10.0	↓		↓							↓ ↓
	29		11.0	↓		↓							↓ ↓
	30		8.0	↓		↓							↓ ↓
	31		13.0	↓		↓							↓ ↓
	32		13.0	↓		↓							↓ ↓
	33		-	N/S									
			T.D.	33m		HOLE ABANDONED - BLOCKED BIT							

Licence No. EL7 2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364605 E 5406751 N MGA						
Driller TAS DRILLERS		Rig			Prospect TD2		Line		Analytical Submission Sheet:				
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1	Pool sample	3.0	OB		YB	GY						Rock/clay/oxidised and fresh tail
	2		3.0	FINE		GR							Ruggy ? fine tailings
	3		2.0	↓		↓							↓
	4		6.0	↓		↓					WATER INJECTION		↓ Extremely liquid
	5		2.0	SAND		↓							↓ Grey ? sandy tailings
	6		7.0	↓		↓							↓
	7		10.0	↓		↓							↓
	8		8.0	↓		↓							↓
	9		12.0	↓		↓							↓
	10		10.0	FINE		↓							↓ Probable fine grey tailings
	11		7.0	↓		↓							↓
	12		10.0	↓		↓							↓
	13		10.0	↓		↓							↓
	14		6.0	↓		↓							↓
	15		9.0	↓		↓							↓
	16		12.0	↓		↓							↓
	17		9.0	↓		↓							↓
	18		10.0	↓		↓							↓
	19		13.0	↓		↓							↓
	20		9.0	↓		↓							↓

Licence No.			Map Sheet			AMG Zone			AMG Coord: E N				
Driller			Rig			Prospect			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
20	21		8.0	FINE		GY							As above
	22		10.0	↓		↓							↓
	23		10.0	↓		↓							↓
	24		13.0	↓		↓							↓
	25		10.0	↓		↓							↓
	26		8.0	↓		↓							↓
	27		11.0	↓		↓							↓
	28		10.0	↓		↓							↓
	29		10.0	↓		↓							Pieces of Tree + Rock
	30		7.0	↓		↓							↓
			T.D 30m - BIT BLOCKED WITH TREE ROOTS										
			HOLE ABANDONED										

Licence No. EL 27205		Map Sheet 3640		AMG Zone 55		AMG Coord: 36620 E 5406765 N MGA							
Driller TAY DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	With	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		4.0	OB/SAND		G.Y	YB						Ob clay & rock and dominantly tailings sand
	2		3.0	SAND		↓							Grey tailings sand
	3		2.0	↓		↓							↓ Partly damp
	4		2.0	SAND/FN		↓							Partly mixed sand and Damp fines
	5		5.0	FN		↓					Water Injection		Grey saturated fines
	6		8.0	↓		↓							↓
	7		7.0	↓		↓							↓
	8		9.0	↓		↓							↓
	9		8.0	↓		↓							↓
	10		7.0	↓		↓							↓
	11		9.0	↓		↓							↓
	12		10.0	↓		↓							↓
	13		8.0	↓		↓							↓
	14		8.0	↓		↓							↓
	15		8.0	↓		↓							↓
	16		10.0	↓		↓							↓
	17		8.0	↓		↓							↓
	18		10.0	↓		↓							↓
	19		10.0	↓		↓							↓
	20		9.0	↓		↓							↓



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DRILL LOG SHEET

Licence No. EL7 2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364607 E5406796 N MGA							
Driller TAS DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1	POOR SAMPLE	2.0	OB		YB	GY						Oxidised tail sand + rock and clay overburden
	2		4.0	SAND		GY					Water Injection		
	3	MAINLY WATER	4.0	FINES		↓							Probably grey fines Useless Sample
	4	ALL WATER	12.0	?FN		↓							↓
	5	POOR SAMPLE	3.0	?FN		↓							Grey fines - water saturated
	6	↓	4.0	↓		↓							↓
	7	↓	5.0	↓		↓							↓
	8	↓	4.0	↓		↓							Minor sand?
	9	↓	5.0	↓		↓							↓
	10	↓	4.0	↓		↓							↓
	11	↓	6.0	SAND		↓							Grey sand tailings - saturated
	12	↓	4.0	?FN		↓							? Grey fines - saturated
	13		18.0	↓		↓							↓
	14		12.0	↓		↓							↓
	15		6.0	FN		↓							Grey fines - saturated
	16		10.0	↓		↓							↓
	17		13.0	↓		↓							↓
	18		10.0	↓		↓							↓
	19		11.0	↓		↓							↓
	20		9.0	↓		↓							↓

Licence No.			Map Sheet			AMG Zone			AMG Coord: E N				
Driller			Rig			Prospect			Line		Analytical Submission Sheet:		
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
20	21		9.0	FN		G4							As above
	22		11.0	↓		↓							
	23		8.0	↓		↓							
	24		10.0	↓		↓							
	25		11.0	↓		↓							
	26		12.0	↓		↓							
	27		8.0	↓		↓							
	28		14.0	↓		↓							
	29		12.0	FN/BR		↓							Mixed fine tailings rocks and tree roots
T.D. 29m - BEDROCK AND TREE ROOTS													

Licence No. EL7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364642 E 5406753N MGA							
Driller TAY DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		2.0	OB/SAND		YB	GY						Clay/rock and part oxidised and fresh sandy tail.
	2		4.0	SAND		GY							Grey sand tailings
	3		2.0	FN		↓							Grey fine tailings - damp
	4		3.0	SAND		↓							Grey sand tailings - damp
	5		3.0	FN		↓							Grey fine tailings
	6		9.0	↓		↓					WATER	IN-SECTION	As above - saturated
	7	VERY WET	15.0	↓		↓							↓
	8	↓	12.0	↓		↓							↓
	9	↓	11.0	↓		↓							↓
	10		13.0	↓		↓							↓
	11		8.0	↓		↓							↓
	12		11.0	↓		↓							↓
	13		11.0	SAND		↓							Grey tailings sand.
	14		10.0	FN		↓							Grey fine tailings
	15		10.0	↓		↓							↓
	16		10.0	↓		↓							↓
	17		8.0	↓		↓							↓
	18		9.0	↓		↓							↓
	19		12.0	↓		↓							↓
	20		10.0	↓		↓							↓



Licence No. EL72005		Map Sheet 3640			AMG Zone SS		AMG Coord: 36633 E5406782 N MGA						
Driller TAY DRILLERS		Rig			Prospect TD2			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		2.0	OB/SAND		G1	YB						Clay & rock overburden and grey tailings sand
	2		4.0	SAND		G4							Grey puggy tailings sand
	3		6.0	FN		G4							Grey probable tailings fines
	4	VERY WET	10.0	↓		↓							↓
	5		2.0	SAND		G4							Grey tailings sand
	6		11.0	FN		↓							Grey tailings fines
	7		8.0	↓		↓							↓
	8		11.0	↓		↓							↓
	9		7.0	↓		↓							↓
	10		9.0	↓		↓							↓
	11		11.0	↓		↓							↓
	12		10.0	↓		↓							↓
	13		10.0	↓		↓							↓
	14		10.0	↓		↓							↓
	15		9.0	↓		↓							↓
	16		7.0	↓		↓							↓
	17		12.0	↓		↓							↓
	18		12.0	↓		↓							↓
	19		12.0	↓		↓							↓
	20		10.0	↓		↓							↓



Licence No. <i>EL7/2005</i>		Map Sheet <i>3640</i>			AMG Zone <i>SS</i>		AMG Coord: <i>3641 E 5406202 N MGA</i>						
Driller <i>TAS DRILLING</i>		Rig			Prospect <i>TD2</i>			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	With	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		2.0	<i>OB/snd</i>		<i>YB</i>	<i>G4</i>						<i>Overburden clay and rock and sandy tailings</i>
	2		2.0	<i>FN</i>		<i>G4</i>							<i>Grey ? fine tailings - puggy.</i>
	3		5.0	<i>FN</i>		↓						<i>Water Injection</i>	<i>Grey fine water saturated tailings</i>
	4		6.0	↓		↓							↓
	5		9.0	↓		↓							↓
	6		10.0	↓		↓							↓
	7	<i>VERY WET</i>	10.0	↓		↓							↓
	8		9.0	↓		↓							↓
	9		6.0	↓		↓							↓
	10		8.0	↓		↓							↓
	11		11.0	↓		↓							↓
	12		10.0	↓		↓							↓
	13		10.0	↓		↓							↓
	14		7.0	↓		↓							↓
	15		9.0	↓		↓							↓
	16		8.0	↓		↓							↓
	17		8.0	↓		↓							↓
	18		7.0	↓		↓							↓
	19		11.0	↓		↓							↓
	20		7.0	↓		↓							↓



Licence No. ELX/2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 36467 E 540620N MGA						
Driller TAS DRILLERS		Rig			Prospect TD2			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		4.0	OB/SND		YB	G4						Overburden clay and rock and grey tailings sand
	2		3.0	FN		G4							Grey puggy tailings fines
	3		5.0	FN		↓					Water Injection		Very water saturated tailings fines
	4		6.0	↓		↓							↓
	5		10.0	↓		↓							↓
	6		8.0	↓		↓							↓
	7		9.0	↓		↓							↓
	8		10.0	↓		↓							↓
	9		6.0	↓		↓							↓
	10		7.0	↓		↓							↓
	11		11.0	↓		↓							↓
	12		11.0	↓		↓							↓
	13		7.0	↓		↓							↓
	14		11.0	↓		↓							↓
	15		9.0	↓		↓							↓
	16		11.0	↓		↓							↓
	17		6.0	↓		↓							↓
	18		11.0	↓		↓							↓
	19		10.0	↓		↓							↓
	20		8.0	↓		↓							↓



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DRILL LOG SHEET

Licence No. <i>EL7/2005</i>		Map Sheet <i>3640</i>			AMG Zone <i>55</i>		AMG Coord: <i>364656 E 5406835 N MGA</i>						
Driller <i>TAS DRILLERS</i>		Rig			Prospect <i>TD 2</i>			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		3.0	OB		YB	GY						<i>Overburden clay and rock with some grey tailing sand</i>
	2		2.0	FN		GY	WATER						
	3		4.0										
	4		9.0										
	5		8.0										
	6		6.0										
	7		8.0										
	8		14.0										
	9		6.0										
	10		7.0	↓		↓							
	11		10.0	SAND		↓							<i>Grey sand tailings</i>
	12		10.0	↓		↓							
	13		10.0	↓		↓							
	14		9.0	FN		↓							<i>Grey fine tailings</i>
	15		10.0	↓		↓							
	16		10.0	↓		↓							
	17		9.0	↓		↓							
	18		10.0	↓		↓							
	19		11.0	↓		↓							
	20		10.0	↓		↓							



Licence No. EL7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364658 E 5406854 N MGA							
Driller TAT DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1	POOR SAMPLE	9.0	OB/FN		YB	GY					INTERSECTION	Overburden rock/clay and oxidised tailings
	2	VERY WET	5.0	OB		GY							Contamination from above
	3	USELESS SAMPLE	4.0	FN?		GY							Gray ? waterlogged fines
	4	MAJOR WATER	7.0	↓		↓							↓
	5		8.0	FN		↓							Grey fine tailings - saturated
	6		6.0	↓		↓							↓
	7		9.0	↓		↓							↓
	8		10.0	↓		↓							↓
	9		10.0	↓		↓							↓
	10		12.0	↓		↓							↓
	11		15.0	↓		↓							↓
	12		9.0	↓		↓							↓
	13		12.0	↓		↓							↓
	14		7.0	↓		↓							↓
	15		12.0	↓		↓							↓
	16		12.0	↓		↓							↓
	17		12.0	↓		↓							↓ Minor bedrock frags
					T.D. 17m - Bedrock								

Licence No. EL72005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364669 E 5406872 N MGA						
Driller TAS DRILLERS		Rig			Prospect TD2			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1	POOR SAMPLE	4.0	O/B		YB	GY						Rock and clay overburden with some oxidised tail.
	2		5.0	SL		GY							Water Injection Grey plastic clay slimes
	3		12.0	↓		↓							↓
	4	VERY WET	10.0	FN		↓							Grey water saturated fines
	5	↓	8.0	↓		↓							↓
	6	↓	9.0	↓		↓							↓
	7	↓	11.0	↓		↓							↓
	8	↓	10.0	↓		↓							↓
	9	↓	10.0	↓		↓							↓
	10	↓	12.0	↓		↓							↓
	11		10.0	↓		↓							
	12		10.0	↓		↓							
	13		10.0	SL		↓							Grey plastic ? slimes
	14		4.0	SL		↓							↓ Bed-ht fragment base of interval
T.D. 14m - REFUSA						AT 14m							

Licence No. <u>27/005</u>		Map Sheet <u>3640</u>			AMG Zone <u>55</u>		AMG Coord: <u>364623 E 5406287 N MGA</u>						
Driller <u>TAS DRILLERS</u>		Rig			Prospect <u>TD2</u>			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		4.0	OB/SN		GY	YB						Overburden clay/rock and ? tailings sand
	2		6.0	? SL		↓							Plastic ? clayey slimes
	3	VERY WET	8.0	FN		↓							Water Injection
	4	↓	8.0	↓		↓							Grey ? fines - water saturated
	5		8.0	↓		↓							
	6		8.0	↓		↓							
	7		10.0	↓		↓							
	8		12.0	↓		↓							
	9		14.0	↓		↓							
	10		8.0	↓		↓							Minor Bedrock
T.D - 10m - REFUSAL													

Licence No. EL7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364693 E5406904 N MGA							
Driller: TAS DRILLERS		Rig		Prospect TD2			Line		Analytical Submission Sheet:				
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		5.0	OB		YB	G1						Clay/rock and minor tailings.
	2		4.0	SAND		GY							Partly oxidised Grey sand tailings - very damp
	3		6.0	↓		↓							↓
	4	VERY WET	9.0	FN		GY							Water Injection ↓ Grey fine tailings - water saturated
	5	↓	7.0	↓		↓							↓
	6	↓	10.0	↓		↓							↓
	7	↓	6.0	↓		↓							↓
	8	↓	12.0	↓		↓							↓
8	9		4.0	↓		↓							↓ Some very sandy bits Minor bedrock at base.
T.D. 9m - BEDROCK REFUSAL													

Licence No. EL 7/2005		Map Sheet 3640		AMG Zone 55		AMG Coord: 364711 E5406913 N MGA							
Driller TAJ DRILLERS		Rig		Prospect TD2		Line		Analytical Submission Sheet:					
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		8.0	OB		YB	GY						Overburden rock/clay/ weathered
	2		4.0	SAND		GY							tailings - tailings sand Grey tailings sand
	3	VERY WET	10.0	FN		↓							Grey tailings fines
	4	↓	12.0	↓		↓							↓
	5	↓	10.0	↓		↓							↓
	6	↓	9.0	↓		↓							↓
	7	↓	10.0	↓		↓							↓
	8	↓	7.0	↓		↓							↓
	9	↓	6.0	↓		↓							↓
	10	↓	10.0	↓		↓							↓
	11	↓	11.0	↓		↓							↓ Some bedrock at base
T.D. 11m - BEDROCK REACHED													

Licence No. EL7/2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364728 E 5406923 N MGA						
Driller T&S DRILLERS		Rig			Prospect TD2			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		5.0	OB		G1	YB						Overburden rock/clay/oxidized tailings
	2	VERTICAL	7.0	SAND		↓							Grey tailings sand - saturated
	3		8.0	↓		↓							↓
	4		10.0	FN		↓							Grey tailings finer - saturated
	5		9.0			↓							↓
	6		8.0			↓							↓
	7		8.0			↓							↓
	8		6.0			↓							↓
	9		10.0			↓							↓
	10		8.0			↓							↓
	11		5.0			↓							↓
	12		8.0			↓							↓
	13		11.0			↓							↓
				T.D. Bm - REFUSAL ON BEDROCK									

Licence No. EL7 2005		Map Sheet 3640			AMG Zone 55		AMG Coord: 364736 E 5406941 N MGA						
Driller TAs DRILLERS		Rig			Prospect TD2			Line		Analytical Submission Sheet:			
From	To	sno	Weight	Rk Cd	Wth	1st Colour	2nd Colour	Alt	Goeth	Haem	Minz %	Basement Structure	Description / Comments
0	1		5.0	OB		YB	GM						Overburden clay/rock/oxidized tail sand - fresh sand
	2	VERY WET	10.0	SAND		GM				WATER	INJECTION		Grey tailings sand weakly oxidized
	3	↓	10.0	↓		↓							↓
	4	↓	10.0	↓		↓							↓
	5	↓	10.0	↓		↓							↓
	6	↓	9.0	FN		↓							Grey tailings fines - saturated
	7	↓	6.0	↓		↓							↓
	8	↓	10.0	↓		↓							↓
	9	↓	9.0	↓		↓							↓
				T.D.	9m	BEDROCK							



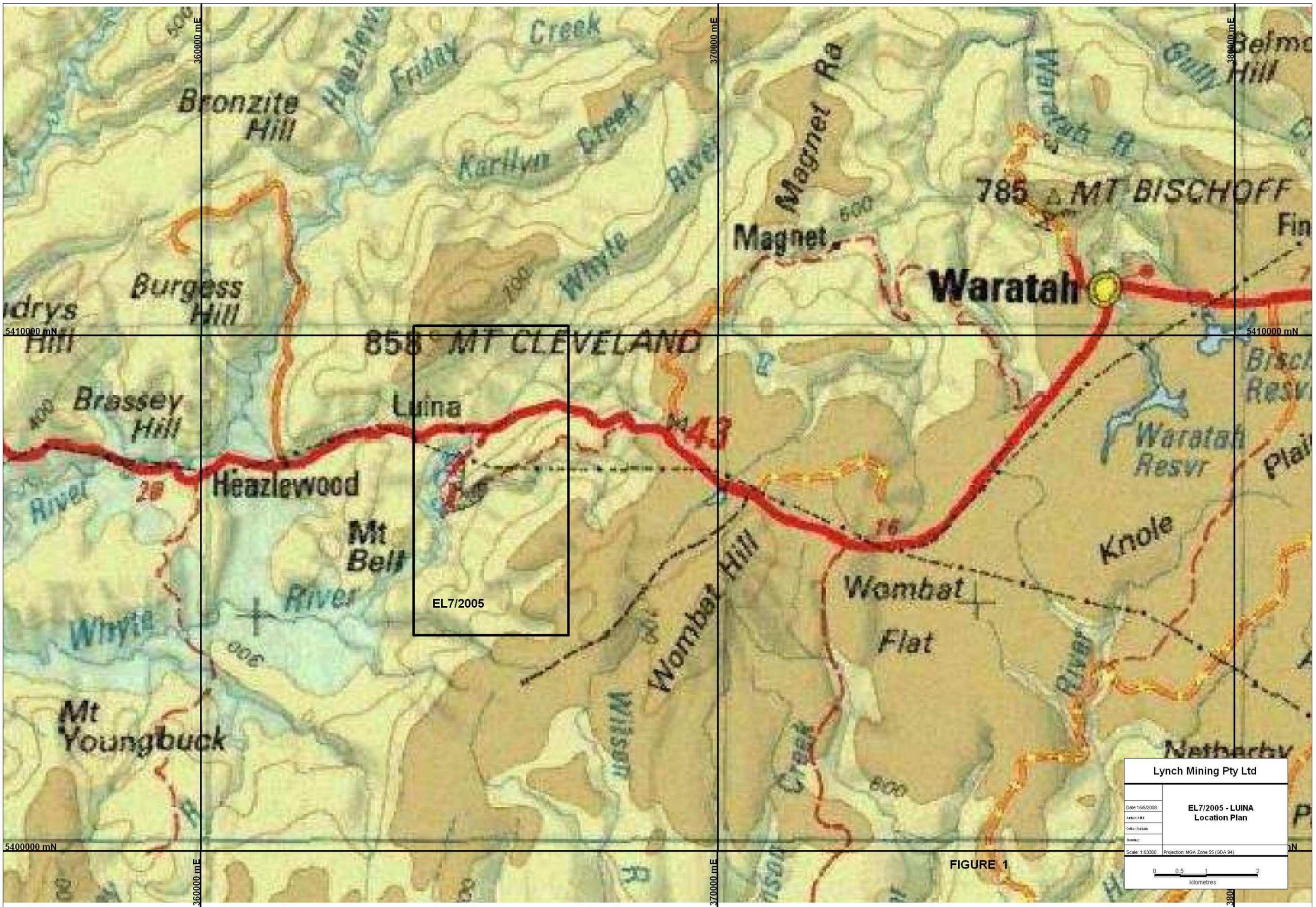


FIGURE 1

Lynch Mining Pty Ltd	
Date: 15/5/2008	<b>EL7/2005 - LUINA Location Plan</b>
Author: AMB	
Office: Adelaide	
Drawing:	
Scale: 1:63360	Projection: MGA Zone 55 (GDA 94)



