

# OPEN FILE

TASMANIA MINES LIMITED

EXPLORATION LICENCE 17/68

KARA - HAMPSHIRE

N.W. TASMANIA

ANNUAL REPORT

4th November, 1988 to 4th November, 1989.

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CLIFF H. WHITEHEAD  
29/9/1989

**MICROFILMED**

E.L. 17/68 - ANNUAL REPORT

4th November, 1988 to 4th November, 1989

CONTENTS

	<u>PAGE NO</u>
1. GENERAL	1
2. EXPLORATION OBJECTIVES	2
3. EXPLORATION WORK (1988/89)	
3A Hampshire Magnetite Skarn Zone	3
3B Magnetite Skarns - Au/Ag Potential	4 - 5
3C Projects in Progress	
- Magnetite Resource evaluation	6 - 7
- Wollastonite	7
- Hampshire Silver Mine	7

APPENDICES

## APPENDIX A1

- E.L.17/68 Work Programme & Expenditure Schedule  
Two year programme - Nov. 1988 to Oct. 1990      8 - 9

## APPENDIX A2

- Hampshire Magnetite Skarn Zone  
Percussion Drilling Programme - Assay Results      10 - 40

## APPENDIX A3

- Rock Chip Geochemistry - Au & Ag Assays      41 - 66

## APPENDIX A4

- AMG COORDINATES - DRILLING PROGRAMME 1988-1989

4th November, 1988 to 4th November, 1989

LIST OF PLANS

- Plan No 1/EX/EL - E.L.17/68 - Extension Area  
Location and Geology SCALE 1:10,000
- Plan No 2/EX/EL - E.L.17/68 - Extension Area  
North & Eastern Section SCALE 1:10,000
- Plan No 3/EX/EL - E.L.17/68 - Location of Surface Chip  
Samples  
Magnetite Skarn Zones SCALE 1:2,500  
Location L.4 & Hampshire Silver Mine
- Plan No 4/EX/EL - Hampshire Magnetite Skarn Zone  
Drill Site Location Plan SCALE 1:500
- Plan No 5/EX/EL - Hampshire Silver Mine  
Proposed Drill Sites SCALE 1:500

Exploration Licence 17/68 covering 14sqkm occurs south of Hampshire and embraces the operating Tasmania Mines Limited consolidated mining lease No 1371P/M (approx 7.22sqkm) covering the Kara No 1 tungsten mine and associated scheelite deposits (Kara North, Kara South, Eastern Ridge and Location L.5.).

The current licence is an extension of the former much larger E.L.17/68 which simultaneously with the E.L. extension was reduced in size from 75sqkm to its present size.

Following completion of the first year work programme of the licence "extension period" (Nov. 1987 - Nov. 1988) Tasmania Mines Ltd were asked by the Department of Mines to submit a detailed breakdown of the timetable and schedule of an intended 2 year work programme. A copy of this proposed work is attached as Appendix A1.

This current Annual Report covers the period Nov. 1988 to Nov. 1989 and records details of work completed during the first 12 month period of the above proposed work programme.

The two year work programme for E.L.17/68 aimed at evaluating the potential of three main minerals, namely magnetite, scheelite and wollastonite.

The licence area itself borders and encircles the demarcated and evaluated tungsten and magnetite deposits of Kara No 1, Kara South, Eastern Ridge and Location L1, all of which are currently covered by Tasmania Mines Consolidated Mining Lease No 1371P/M.

The area surrounding the above deposits, and now covered by E.L.17/68, has been the subject of past (1972-74 and 1980-85) extensive exploration campaigns undertaken by Tasmania Mines Ltd (then Tasminex N.L.) and Joint Venture exploration partners. This work, in addition to delineating extensions of known magnetite skarns (Loc. L5 and Loc. L13) along the Kara synform structure affecting buried Ordovician sequences, had also been successful in outlining highly prospective areas such as the Hampshire Magnetite Skarn Zone and a skarn adjacent to the Hampshire Silver Mine.

The proposed programme of work during the current E.L. extension period was designed to evaluate the scheelite and magnetite economic potential of both the above mentioned delineated skarn zones and specific outlined targets.

The Ordovician sequences of the eastern section of the E.L. also includes known occurrences of wollastonite. These, likewise, had been partially investigated during the latter stages of the original E.L. tenancy, and both the metallurgical/marketing aspects of the commodity, and an investigation of geologic extensions of the deposit were to be completed.

In total five separate projects/areas itemized below were to be investigated during the E.L. extension period. The locations of these areas are shown on Plan No 1, while specific exploration objectives for each are outlined in Appendix A1.

Exploration projects/areas - E.L.17/68

- A - Hampshire Magnetite Skarn Zone
- B - Hampshire Silver Mine
- C - Location L.13 to Loadwater Creek
- D - Location L.5
- E - Wollastonite Investigations

3A HAMPSHIRE MAGNETITE SKARN ZONE

Recent Associated Forest Holdings Pty Ltd tree felling operations just south of the Hampshire Railway siding permitted the ideal opportunity and access for a shallow percussion drilling programme to be carried out over the extreme northern section of the Hampshire magnetite skarn zone.

The skarn zone occurs on the south western margin of the Hampshire granite stock, and by previous ground magnetite surveys, the northern section of the skarn zone had been delineated over a total strike distance of 480 metres (McIntyre Mines (Aust) Pty Ltd 1983-84). On surface only fragments of oxidized magnetite skarn rubble/material can be found, and from scant outcrops the skarn zone appears to be separated from the Hampshire Granite stock by a 20-25m wide zone of a sandstone/quartzite (epidotised) unit.

245m strike length of the skarn zone had been tree felled, and over a distance of approximately 150m strike, 58 shallow holes were drilled utilizing the Tasmania Mines Ltd Tamrock mine drill rig. In total, 495.5m were drilled - average hole depth 8.5m. The holes were sampled at 3m intervals and 90 samples were submitted for total Fe and WO3 analysis.

Plan No 4/EX/EL shows drill site locations, and Appendix A2 documents summary drill logs of holes drilled. The area in question has not as yet been accurately surveyed and tied into the Kara grid, and likewise drill collar co-ordinates can not be given accurate A.M.G. co-ordinates.

Although drilling was restricted to very shallow depths (maximum 15m), a high grade magnetite skarn zone (40 to 60% total Fe values) was confirmed. The zone could be delineated over a 130m strike distance over a width of between 25-30m. The skarn is open ended along strike both to the N.W. and S.E.

WO3 assays of the skarn at this particular section of the Hampshire magnetite skarn revealed negative WO3 anomalism.

Surface geologic mapping, topographical surveying, and possible additional shallow percussion drilling along strike to the N.W. is being considered for near future investigations.

INVESTIGATIONS OF POSSIBLE GOLD/SILVER POTENTIAL

Past exploration work and interpretation had indicated that certain sections of the Ordovician geological environment within E.L.17/68 (carbonate - magnetite host sequences) could be favourable hosts for possible gold and/or silver associations.

It was believed that gold could occur within the following geologic environments occurring within the licence area.

- in chloritic/kaolinised alteration zones
- in copper sulphides within skarns
- in pyrrhotite skarn replacements
- in carbonate host rocks

To investigate such potential, representative samples were collected from known skarn zones, not only from E.L.17/68, but from other known skarns held under mineral tenancy by Tasmania Mines Ltd - namely Consolidated Mining Lease, and the Kara No 2 skarns currently under mineral lease application.

Where possible, representative samples were collected from drill core available from past drilling programmes. If these were not available, representative surface rock chip samples were collected from the skarns and from their bordering metamorphic - metasomatic contact zones.

All samples were submitted to the Department of Mines laboratories at Launceston, and subsequently assayed for gold and silver content.

Analytical results of skarns from within the E.L.17/68 licence area - namely Location L.13, Location L.4, the Hampshire Magnetite Skarn and Hampshire Silver Mine are documented in Appendix A3.1. A total of 90 samples were assayed from the 4 above skarn zones.

Assays of magnetite skarns from within Consolidated Mining Lease No 1371P/M embraced by E.L.17/68 are tabulated in Appendix A3.2. A total of 265 representative drill core samples were collected from the skarns at Eastern Ridge, Kara South, Kara North 266 Zone, Bobs Bonanza, Kara No 1 and Location L.5.

Representative samples of magnetite skarn and adjacent contact zones were collected from the three known Kara No 2 skarns - namely Kara No 2 Main Zone, South Zone and East Zone. A total of 75 samples were collected from these three locations, results of which are shown in Appendix A3.3.

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Summary results of Au - Ag assays of skarns confined to E.L.17/68 are as follows:-

#### HAMPSHIRE MAGNETITE SKARN

- 20 surface rock chip samples
- All gold values <0.05ppm, except sample G.4 which recorded 0.12g/t
- Maximum Ag value was 9g/t, Sample No G.18

#### HAMPSHIRE SILVER MINE

- 29 surface rock chip samples collected
- Only 5 samples recorded an Ag value greater than 5g/t with a maximum of 21g/t - Sample No G.24
- All recorded gold values were <0.05g/t

#### LOCATION L.13

- 20 surface rock chip samples collected
- All gold values recorded <0.05ppm
- A maximum 9ppm Ag value was recorded with samples G.1 and G.4

#### LOCATION L.4

- 21 surface rock chip samples were collected
- All gold values were <0.01, except G.7 - 0.05g/t, G.13 - 0.06g/t, G.15 - 0.07g/t and G.19 - 0.10g/t
- Silver assays were <5ppm, except G.19 (8ppm), G.20 (7ppm) and G.21 (7ppm)

During the current term, a number of individual investigations have been initiated either within E.L.17/68 or in conjunction with adjoining properties held under tenancy by Tasmania Mines Ltd. These investigations are currently in progress and finalised during the succeeding period of E.L. tenure.

#### MAGNETITE RESOURCE EVALUATION

In November 1985, Tasminex N.L. completed a study entitled "a preliminary review of the potential magnetite resources of the Kara Properties". As the title suggests, the evaluation was "first pass - broad sweep", but the initial prime objective was to review and evaluate the potential of the Kara Properties with respect to providing a possible future source of supply of marketable magnetite, both for use in the steel industry and coal washery field.

The review recognised and classified three main sources of supply of magnetite, namely:-

- the magnetite by-product from the Tasmania Mines Ltd tungsten - scheelite operation at the Kara No 1 skarn deposit;
- geological reserves of magnetite from skarns evaluated in some detail by past drilling/geologic investigations (e.g. Kara No 1, Kara North);
- geological resources of magnetite from skarns partially investigated by exploration work and/or preliminary drilling (e.g. West Limb, Eastern Ridge, Location L.5 and Kara North).

During the present term (1988/89) a new updated review and evaluation of the Kara Properties magnetite resources has been initiated. The review not only incorporates recent, more detailed information acquired since 1985, but also considers the more "outlying magnetite skarns" of the E.L. tenements held by Tasmania Mines - this of course includes those covered by E.L.17/68, e.g. Location L.13 and Hampshire Magnetite Skarn.

The classification of various magnetite bodies on the properties includes incorporating the following parameters - namely:-

- an assessment of the size (tonnage) or potential of the deposit;
- the geological disposition of the deposit;
- an initial assessment of the overall Fe grade estimate, and any grade variability within the deposit;

- the degree and variability of oxidation;
- the open pit or underground mine potential of the deposit;
- the presence of any associated mineralisation (e.g. tungsten).

As stated, this review is currently underway and hoped to be finalised during the 1st quarter of 1990.

#### WOLLASTONITE

A 10kg sample of wollastonite material from the Limestone Creek deposit (eastern section, E.L.17/68) is currently being upgraded (rolls crushing, mag separations, flotation) to a final wollastonite concentrate by the Department of Mines laboratories in Launceston. When this is completed, the sample will be forwarded to potential buyers of wollastonite in Europe for examination.

No further surface exploration work on the wollastonite region was completed during the current term.

The Tasmania Mines Ltd diamond drill rig has been repaired, and on acquisition of ancillary drill pump equipment, the diamond drill programme, as originally proposed for the wollastonite region, will be commenced.

#### HAMPSHIRE SILVER MINE

Drill target location for a shallow percussion drilling programme has been completed, and access to the location and sites has been recleared. Once more favourable weather is prevalent, the Kara No 1 mine drill rig will be utilised to complete the programme.

Cliff H. Whitehead  
29/9/1989

EXPLORATION LICENCE 17/68TASMANIA MINES LIMITEDWORK PROGRAMME AND EXPENDITURE SCHEDULE - TWO YEAR PROGRAMMENOVEMBER 1988 TO OCTOBER 1990

Exploration proposals and objectives for the two year E.L.17/68 work programme commencing November 1988 are summarised on the attached Sheet A.

Attached Sheet B shows a detailed breakdown of the proposed timetable and schedule of the work programme.

Overall E.L. exploration expenditures for the two year programme are calculated to be \$136,500, and the breakdown of expenditures on a monthly basis are documented on Sheet C.

E.L. 17/68 - PROPOSED EXPLORATION PROGRAMMEWORK PROPOSALS

Commencing November 4th 1988, a two year programme of work is proposed for E.L.17/68 by Tasmania Mines Limited.

As shown below, five separate projects/areas will be investigated, and the three main commodities to be evaluated are magnetite, wollastonite and tungsten.

A. Hampshire Magnetite Skarn Zone

The magnetite potential of the Hampshire Skarn Zone, accurately demarcated by detailed ground magnetic surveys - completed 1984/85, will initially be investigated by reconnaissance diamond drilling (200m) in order to optimise interpretation of magnetic signatures, followed by wide-spaced (300m interval) grid line shallow percussion drilling (210m). Estimated project costs, \$46,400.

B. Hampshire Silver Mine

A limited programme of percussion drilling (300m) will be drilled to investigate the potential (W03, Au, Ag) of the Hampshire Silver Mine anomaly, interpreted as a metamorphosed skarn zone bordering altered granite. Project expenditures - \$24,000.

C. Location L.13 to Loudwater Creek

Geochemical soil sampling and detailed ground magnetic surveys will be completed at this region, the objective being to demarcate surface or near-surface magnetite skarn zones and their possible tungsten (and other mineral) anomalism. Expenditures, \$11,500.

D. Location L.5

One diamond drill hole is planned for drilling to examine the northerly subsurface continuation of the scheelite bearing magnetite skarn zone previously delineated at L.5. Project expenditures, \$12,400.

E. Wollastonite Investigations

These investigations would be a continuation of work currently underway, namely an evaluation of the market potential of wollastonite concentrate products recently upgraded by metallurgical bench test work.

The above programme would be supplemented by a limited programme of diamond drilling, two holes, total metres 400m. Total project expenditures would be \$35,700.

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APPENDIX A2E.L. 17/68HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

Dates Drilled	29th May, 1989	-	16th June, 1989
No of Holes Drilled	-	58	
Hole Nos	-	HM.1	to HM.44
Total Drilled Metres	-	495.5m	
Av Depth	-	8.54m	

APPENDIX A2.1: HOLES ASSAYED - INTERSECTION/Fe ASSAYS

APPENDIX A2.2: DRILL ASSAY LOGS

E.L. 17/68 HAMPSHIRE MAGNETITE SKARN ZONEPERCUSSION DRILL PROGRAMME

(29TH MAY - 16TH JUNE, 1989)

Summary - Holes Assayed and Fe Intersections/Assays

<u>Hole No</u>	<u>Depth Drilled (m)</u>	<u>Fe Intersections</u>	
		<u>Drill Length</u>	<u>% Total Fe</u>
HM. 1	13.50	0.0 - 13.5	47.97
HM. 2	4.50	0.0 - 3.0	49.10
HM. 2A	12.00	0.0 - 12.0	50.28
HM. 3	4.50	0.0 - 4.5	43.70
HM. 3A	11.50	3.0 - 11.5	60.48
HM. 4	9.00	0.0 - 6.0	50.85
HM. 5	13.50	0.0 - 6.0	52.20
HM. 6	12.00	0.0 - 6.0	53.20
HM. 7	7.50	0.0 - 7.5	54.25
HM. 7A	14.00	0.0 - 14.0	56.44
HM. 8	15.00	0.0 - 12.0	54.93
HM. 9	11.00	6.0 - 11.0	51.65
HM. 11	3.00	0.0 - 3.0	58.50
HM. 11A	15.00	0.0 - 6.0	54.05
HM. 12	6.00	0.0 - 6.0	60.00
HM. 13	15.00	0.0 - 12.0	52.78
HM. 14	15.00	0.0 - 9.0	55.86
HM. 15	15.00	0.0 - 15.0	46.64
HM. 17	9.00	0.0 - 3.0	45.40
HM. 18	3.00	0.0 - 3.0	55.90
HM. 18A	6.50	0.0 - 6.5	44.68
HM. 19A	7.00	0.0 - 7.0	58.43
HM. 29	15.00	3.0 - 9.0	55.70
HM. 33	11.00	6.0 - 11.0	50.70

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## APPENDIX A2.2

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.1CO-ORDINATES: Northing: 27.5N Easting: 71.1EDEPTH DRILLED: 13.5m DATES DRILLED: 29 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	56.70	<0.005	Magnetite Skarn
3.0	6.0	48.10	0.005	" "
6.0	9.0	50.00	<0.005	" "
9.0	12.0	36.40	0.039	" "
12.0	13.5	49.30	0.040	" "

HOLE NO: HM.2CO-ORDINATES: Northing: 50.8N Easting: 48.4EDEPTH DRILLED: 4.50m DATES DRILLED: 29 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	49.10	0.006	Magnetite Skarn
3.0	4.5	26.80	<0.005	" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.2ACO-ORDINATES: Northing: 52.4N Easting: 47.0EDEPTH DRILLED: 10.50m DATES DRILLED: 29 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	52.40	0.010	Magnetite Skarn
3.0	6.0	55.00	<0.005	" "
6.0	9.0	43.90	0.005	" "
9.0	10.50	49.80	0.005	" "

HOLE NO: HM.3CO-ORDINATES: Northing: 43.8N Easting: 40.6EDEPTH DRILLED: 4.50m DATES DRILLED: 29 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	35.70	0.008	Fe Sands
3.0	4.5	59.70	<0.005	Magnetite Skarn

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.3ACO-ORDINATES: Northing: 41.5N Easting: 38.5EDEPTH DRILLED: 11.50m DATES DRILLED: 29 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	27.10	0.007	Mag. Qtz.
3.0	6.0	61.30	<0.005	Mag Skarn
6.0	9.0	61.50	<0.005	" "
9.0	11.50	58.30	<0.005	" "

HOLE NO: HM.4CO-ORDINATES: Northing: 59.2N Easting: 50.0EDEPTH DRILLED: 9.00m DATES DRILLED: 30 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	58.10	<0.005	Mag Skarn
3.0	6.0	43.60	<0.005	Mag. Clay
6.0	9.0	16.10	<0.005	Quartzite

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

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## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.5CO-ORDINATES: Northing: 60.6N Easting: 44.2EDEPTH DRILLED: 13.50m DATES DRILLED: 30 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	55.70	<0.005	Mag. Skarn
3.0	6.0	48.70	<0.005	" "
6.0	9.0	29.90	<0.005	Skarn
9.0	12.0	19.50	<0.005	Quartzite
12.0	13.50	15.20	<0.005	"

HOLE NO: HM.6CO-ORDINATES: Northing: 70.0N Easting: 43.10EDEPTH DRILLED: 12.00m DATES DRILLED: 30 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	61.30	<0.005	Mag. Skarn
3.0	6.0	45.10	<0.005	" "
6.0	9.0	12.40	<0.005	Quartzite (Fe)
9.0	12.0	25.50	<0.005	" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

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582019

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.7CO-ORDINATES: Northing: 66.20N Easting: 37.0EDEPTH DRILLED: 7.50m DATES DRILLED: 30 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	62.50	0.005	Magnetite Skarn
3.0	6.0	45.10	0.006	" "
6.0	7.5	56.00	<0.005	" "

HOLE NO: HM.7ACO-ORDINATES: Northing: 65.4N Easting: 33.0EDEPTH DRILLED: 14.00m DATES DRILLED: 30 May 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	57.40	<0.005	Magnetite Skarn
3.0	6.0	65.80	"	" "
6.0	9.0	56.00	"	" "
9.0	12.0	49.20	"	" "
12.0	14.0	52.50	"	" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

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## EXPLORATION LICENCE 17/68

532020

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.8CO-ORDINATES: Northing: 67.1N Easting: 27.5EDEPTH DRILLED: 15.0m DATES DRILLED: 1 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	58.80	<0.005	Mag. Skarn
3.0	6.0	60.30	"	" "
6.0	9.0	52.80	"	" "
9.0	12.0	47.80	"	" "
12.0	15.0	38.00	"	" "

HOLE NO: HM.9CO-ORDINATES: Northing: 24.0N Easting: 45.6EDEPTH DRILLED: 11.00m DATES DRILLED: 1 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	27.90	0.020	Clay
3.0	6.0	26.30	0.013	Fe Gzt.
6.0	9.0	54.20	<0.009	Mag. Skarn
9.0	11.0	49.10	0.005	" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.10CO-ORDINATES: Northing: 124.70N Easting: 53.6EDEPTH DRILLED: 5.00m DATES DRILLED: 1 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>24.40</u>	<u>0.003</u>	<u>Sandstone</u>
<u>3.0</u>	<u>5.0</u>	<u>5.36</u>	<u>&lt;0.005</u>	<u>"</u>

HOLE NO: HM.10ACO-ORDINATES: Northing: 123.2N Easting: 50.7EDEPTH DRILLED: 6.00m DATES DRILLED: 2 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>12.90</u>	<u>&lt;0.005</u>	<u>Fe Sst</u>
<u>3.0</u>	<u>6.0</u>	<u>7.66</u>	<u>&lt;0.005</u>	<u>Sst</u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.11CO-ORDINATES: Northing: 110.30N Easting: 45.0EDEPTH DRILLED: 3.0m DATES DRILLED: 2 June 1989

DRILL INTERVAL (m) From	To	ASSAYS		LITHOLOGY
		Total Fe%	% W03	
0.0	3.0	58.50	0.009	Magnetite

HOLE NO: HM.11ACO-ORDINATES: Northing: 104.0N Easting: 45.0EDEPTH DRILLED: 15.00m DATES DRILLED: 2 June 1989

DRILL INTERVAL (m) From	To	ASSAYS		LITHOLOGY
		Total Fe%	% W03	
0.0	3.0	63.60	<0.005	Mag. Skarn
3.0	6.0	44.50	"	" "
6.0	9.0	31.10	"	" "
9.0	12.0	12.80	"	Skarn
12.0	15.0	32.70	"	"

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

022

582023

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.12CO-ORDINATES: Northing: 101.0N Easting: 36.8EDEPTH DRILLED: 6.00m DATES DRILLED: 5 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	63.60	<0.005	Magnetite
3.0	6.0	56.40	<0.005	"

HOLE NO: HM.13CO-ORDINATES: Northing: 101.40N Easting: 29.8EDEPTH DRILLED: 15.00m DATES DRILLED: 5 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	55.70	0.008	Magnetite
3.0	6.0	56.60	<0.005	"
6.0	9.0	57.60	"	"
9.0	12.0	41.20	0.005	"
12.0	15.0	20.20	<0.005	Fe Sat

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

023

EXPLORATION LICENCE 17/68

582024

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.14CO-ORDINATES: Northing: 109.8N Easting: 22.3EDEPTH DRILLED: 15.00m DATES DRILLED: 5 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	59.20	<0.005	Magnetite
3.0	6.0	60.80	"	"
6.0	9.0	47.60	"	"
9.0	12.0	27.50	"	Fe Sst
12.0	15.0	11.50	"	Sst

HOLE NO: HM.15CO-ORDINATES: Northing: 115.0N Easting: 27.0EDEPTH DRILLED: 15.00m DATES DRILLED: 6 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	66.20	<0.005	Mag. Skarn
3.0	6.0	47.80	"	" "
6.0	9.0	39.70	"	" "
9.0	12.0	43.20	"	" "
12.0	15.0	36.30	"	" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

02A

## EXPLORATION LICENCE 17/68

582025

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.16CO-ORDINATES: Northing: 128.5N Easting: 28.8EDEPTH DRILLED: 5.00m DATES DRILLED: 6 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>22.00</u>	<u>&lt;0.005</u>	<u>Sst</u>
<u>3.0</u>	<u>5.0</u>	<u>6.62</u>	<u>&lt;0.005</u>	<u>Sst</u>

HOLE NO: HM.16ACO-ORDINATES: Northing: 128.1N Easting: 27.1EDEPTH DRILLED: 10.00m DATES DRILLED: 6 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>26.70</u>	<u>&lt;0.005</u>	<u>Sst</u>
<u>3.0</u>	<u>6.0</u>	<u>3.15</u>	<u>"</u>	<u>"</u>
<u>6.0</u>	<u>9.0</u>	<u>12.60</u>	<u>"</u>	<u>"</u>
<u>9.0</u>	<u>10.0</u>	<u>15.50</u>	<u>0.006</u>	<u>Sst (Fe)</u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

025

## EXPLORATION LICENCE 17/68

582026

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.17CO-ORDINATES: Northing: 126.0N Easting: 25.0EDEPTH DRILLED: 9.00m DATES DRILLED: 7 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	45.40	<0.005	Mag. Skarn
3.0	6.0	7.55	"	Sst
6.0	9.0	21.90	"	Sst (Fe)

HOLE NO: HM.18CO-ORDINATES: Northing: 120.4N Easting: 16.6EDEPTH DRILLED: 3.00m DATES DRILLED: 7 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	55.90	<0.005	

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

026

## EXPLORATION LICENCE 17/68

582027

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.18ACO-ORDINATES: Northing: 120.4N Easting: 16.6EDEPTH DRILLED: 6.50m DATES DRILLED: 7 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>3.0</u>	<u>57.60</u>	<u>&lt;0.005</u>	<u>Magnetite</u>
<u>3.0</u>	<u>6.0</u>	<u>32.80</u>	<u>0.005</u>	<u>Fe Sst</u>
<u>6.0</u>	<u>6.50</u>	<u>38.40</u>	<u>&lt;0.005</u>	<u>Fe Sst</u>

HOLE NO: HM.19CO-ORDINATES: Northing: 117.6N Easting: 10.0EDEPTH DRILLED: 3.00m DATES DRILLED: 8 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>3.0</u>	<u>32.30</u>	<u>0.008</u>	<u>Fe Clay</u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

027

EXPLORATION LICENCE 17/68

582028

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.19A

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: 7.00m DATES DRILLED: 8 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	-	-	Magnetite
3.0	6.0	59.60	<0.005	"
6.0	7.0	54.90	0.005	"

HOLE NO: HM.20CO-ORDINATES: Northing: 131.0N Easting: 81.1EDEPTH DRILLED: 12.00m DATES DRILLED: 9 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Mag. Skarn
3.0	6.0			Fe Sst
6.0	9.0			" "
9.0	12.0			" "

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

028

EXPLORATION LICENCE 17/68

532029

HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.21

CO-ORDINATES: Northing: 133.4N Easting: 24.5E

DEPTH DRILLED: 6.00m DATES DRILLED: 9 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Sst
3.0	6.0			Sst

HOLE NO: HM.22

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: 12.00m DATES DRILLED: 12 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Fe Sst
3.0	6.0			Fe Sst
6.0	9.0			Sst
9.0	12.0			Sst

Assayed - Analabs - Report No 228.1.08.06298  
 3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
 W03 - 403 Det Limit 0.005%

## EXPLORATION LICENCE 17/68

582030

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.23

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: 6.00m DATES DRILLED: 12 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	_____	_____	Magnetite
3.0	6.0	_____	_____	Sst
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

HOLE NO: HM.24CO-ORDINATES: Northing: 140.0N Easting: 22.3EDEPTH DRILLED: 9.00m DATES DRILLED: 13 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	_____	_____	Clay & Sst
3.0	6.0	_____	_____	Sst
6.0	9.0	_____	_____	Sst
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.25CO-ORDINATES: Northing: 140.0N Easting: 17.0EDEPTH DRILLED: 8.00m DATES DRILLED: 14 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>3.0</u>			<u>Sst</u>
<u>3.0</u>	<u>6.0</u>			<u>Sst</u>
<u>6.0</u>	<u>8.0</u>			<u>Sst</u>

HOLE NO: HM.26

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: 9.00m DATES DRILLED: 14 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>3.0</u>			<u>Clay &amp; Sst</u>
<u>3.0</u>	<u>6.0</u>			<u>Sst</u>
<u>6.0</u>	<u>9.0</u>			<u>Sst</u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

031

EXPLORATION LICENCE 17/68

582032

HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.27

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: 9.00m DATES DRILLED: 14 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% WO3	
0.0	3.0			Clay/Sst
3.0	6.0			Sst
6.0	9.0			Sst

HOLE NO: HM.28

CO-ORDINATES: Northing: 54.3N Easting: 37.4E

DEPTH DRILLED: 3.00m DATES DRILLED: 14 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% WO3	
0.0	3.0			Fe

Assayed - Analabs - Report No 228.1.08.06298  
 3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
 WO3 - 403 Det Limit 0.005%

032

EXPLORATION LICENCE 17/68

582033

HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.29

CO-ORDINATES: Northing: 60.5N Easting: 29.7E

DEPTH DRILLED: 15.0m DATES DRILLED: 15 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	58.60	<0.005	Mag. Skarn
3.0	6.0	41.90	"	" "
6.0	9.0	31.30	"	" "
9.0	12.0	43.90	"	" "
12.0	15.0	30.50	"	" "

HOLE NO: HM.30

CO-ORDINATES: Northing: 75.2N Easting: 25.6E

DEPTH DRILLED: 3.00m DATES DRILLED: 15 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Mag. Skarn

Assayed - Analabs - Report No 228.1.08.06298  
 3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
 W03 - 403 Det Limit 0.005%

033

EXPLORATION LICENCE 17/68

582034

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.30ACO-ORDINATES: Northing: 75.0N Easting: 24.0EDEPTH DRILLED: 3.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay

HOLE NO: HM.31CO-ORDINATES: Northing: 67.7N Easting: 20.4EDEPTH DRILLED: 6.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay
3.0	6.0			Fe & Clay

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

03A

EXPLORATION LICENCE 17/68

582035

HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.32

CO-ORDINATES: Northing: 15.0N Easting: 43.1E

DEPTH DRILLED: 3.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay

HOLE NO: HM.32A

CO-ORDINATES: Northing: 10.0N Easting: 43.4E

DEPTH DRILLED: 3.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay

Assayed - Analabs - Report No 228.1.08.06298  
 3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
 W03 - 403 Det Limit 0.005%

582036

033

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.33CO-ORDINATES: Northing: 20.9N Easting: 41.5EDEPTH DRILLED: 11.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0	22.10	0.035	Clay
3.0	6.0	26.60	0.038	Clay
6.0	9.0	45.50	0.013	Mag. Skarn
9.0	11.0	58.50	<0.005	" "

HOLE NO: HM.34CO-ORDINATES: Northing: 23.8N Easting: 36.3EDEPTH DRILLED: 6.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay
3.0	6.0			Clay

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

035

## EXPLORATION LICENCE 17/68

582037

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.35CO-ORDINATES: Northing: 47.8N Easting: 54.2EDEPTH DRILLED: 9.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Magnetite
3.0	6.0			"
6.0	9.0			Mag. Skarn

HOLE NO: HM.36CO-ORDINATES: Northing: 47.7N Easting: 49.1EDEPTH DRILLED: 12.0m DATES DRILLED: 12 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay
3.0	6.0			Fe Clay
6.0	9.0			Magnetite
9.0	12.0			"

Assayed - Analabs -- Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

037

582038

## EXPLORATION LICENCE 17/68

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.37CO-ORDINATES: Northing: 34.3N Easting: 39.8EDEPTH DRILLED: 4.0m DATES DRILLED: 13 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay & Sst
3.0	4.0			" "

HOLE NO: HM.37ACO-ORDINATES: Northing: 36.0N Easting: 38.1EDEPTH DRILLED: 8.50m DATES DRILLED: 13 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay & Sst
3.0	6.0			Magnetite
6.0	8.5			"

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

038

EXPLORATION LICENCE 17/68

582039

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.38CO-ORDINATES: Northing: 25.4N Easting: 55.0EDEPTH DRILLED: 2.0m DATES DRILLED: 14 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>2.0</u>			<u>No Sample</u>

HOLE NO: HM.38ACO-ORDINATES: Northing: 29.2N Easting: 54.0EDEPTH DRILLED: 2.0m DATES DRILLED: 14 June 1989

<u>DRILL INTERVAL (m)</u>		<u>ASSAYS</u>		<u>LITHOLOGY</u>
<u>From</u>	<u>To</u>	<u>Total Fe%</u>	<u>% W03</u>	
<u>0.0</u>	<u>2.0</u>			<u>No Sample</u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

033

EXPLORATION LICENCE 17/68

582040

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.38BCO-ORDINATES: Northing: 25.8N Easting: 52.6EDEPTH DRILLED: 13.0m DATES DRILLED: 14 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% WO3	
0.0	3.0			Clay
3.0	6.0			Mag. Skarn
6.0	9.0			" "
9.0	12.0			" "
12.0	13.0			" "

HOLE NO: HM.39CO-ORDINATES: Northing: 34.4N Easting: 51.0EDEPTH DRILLED: 8.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% WO3	
0.0	3.0			Clay
3.0	6.0			Mag. Sst
6.0	8.0			Mag. Skarn

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
WO3 - 403 Det Limit 0.005%

040

## EXPLORATION LICENCE 17/68

582041

## HAMPSHIRE MAGNETITE SKARN ZONE

## PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.40CO-ORDINATES: Northing: 39.8N Easting: 56.2EDEPTH DRILLED: 9.0m DATES DRILLED: 15 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Mag. Skarn
3.0	6.0			" "
6.0	9.0			" "

HOLE NO: HM.41CO-ORDINATES: Northing: 37.0N Easting: 70.5EDEPTH DRILLED: 9.0m DATES DRILLED: 15 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Magnetite
3.0	6.0			Sst
6.0	9.0			Sst

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

## HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.42CO-ORDINATES: Northing: 48.2N Easting: 71.0EDEPTH DRILLED: 9.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>          </u>	<u>          </u>	<u>Fe Sst</u>
<u>3.0</u>	<u>6.0</u>	<u>          </u>	<u>          </u>	<u>Sst</u>
<u>6.0</u>	<u>9.0</u>	<u>          </u>	<u>          </u>	<u>Sst</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

HOLE NO: HM.43CO-ORDINATES: Northing: 21.2N Easting: 68.6EDEPTH DRILLED: 6.0m DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
<u>0.0</u>	<u>3.0</u>	<u>          </u>	<u>          </u>	<u>Magnetite</u>
<u>3.0</u>	<u>6.0</u>	<u>          </u>	<u>          </u>	<u>"</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

042

EXPLORATION LICENCE 17768

582043

HAMPSHIRE MAGNETITE SKARN ZONE

PERCUSSION DRILLING PROGRAMME

MAY - JUNE 1989

HOLE NO: HM.44

CO-ORDINATES: Northing: 12.7N Easting: 66.5E

DEPTH DRILLED: 14.0M DATES DRILLED: 16 June 1989

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	
0.0	3.0			Clay
3.0	6.0			Clay & Mag.
6.0	9.0			Mag. Skarn
9.0	12.0			" "
12.0	14.0			" "

HOLE NO: \_\_\_\_\_

CO-ORDINATES: Northing: \_\_\_\_\_ Easting: \_\_\_\_\_

DEPTH DRILLED: \_\_\_\_\_ DATES DRILLED: \_\_\_\_\_

DRILL INTERVAL (m)		ASSAYS		LITHOLOGY
From	To	Total Fe%	% W03	

Assayed - Analabs - Report No 228.1.08.06298  
3rd July, 1989

Assay Method - Fe - 403 Det Limit 0.1%  
W03 - 403 Det Limit 0.005%

EXPLORATION LICENCE 17/68

## ROCK CHIP SAMPLES - MAGNETITE SKARN ZONES

<u>LOCATION</u>	<u>SAMPLE NUMBERS</u>	<u>NO OF SAMPLES</u>
Hampshire Magnetite Skarn	HM/G1 to HM/G20	20
Location L.13 Skarn	L13/G1 to L13/G20	20
Hampshire Silver Mine	HS/G1 to HS/G29	30
Location L.4 Skarns	L4/G1 to L4/G21	21
		<hr/>
		<u>91</u>

Assayed Department of Mines Laboratories, Launceston.

Results received May, 1989.

Assays - Au (g/t)

- Ag (g/t)

041

582045

EXPLORATION LICENCE 17/68LOCATION - HAMPSHIRE MAGNETITE SKARNSurface magnetite skarn samples - Assayed for Au and Ag

Total No of Samples = 20

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Req No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>
HM/61	891538	<0.05	<5
2	39	"	<5
3	40	"	<5
4	41	"	8
5	42	"	7
6	43	"	8
7	44	"	7
8	45	"	8
9	46	"	8
10	47	"	8
11	48	"	7
12	49	"	8
13	50	<0.05	8
14	51	0.12	7
15	52	<0.05	8
16	53	"	7
17	54	"	8
18	55	"	9
19	56	"	<5
20	57	<0.05	<5

045

## EXPLORATION LICENCE 17/68

532046

## LOCATION - LOCATION L.13

Surface Magnetite Skarn Samples - Assayed for Au and Ag

Total No of Samples = 20

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Req No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>	<u>Rock Type</u>
L13/G1	891558	<0.05	9	Skarn
2	59	"	7	"
3	60	"	8	"
4	61	"	9	"
5	62	"	<5	Sandstone
6	63	"	8	Skarn
7	64	"	<5	"
8	65	<0.05	7	"
9	66	"	<5	Quartz
10	67	"	7	Skarn
11	68	"	<5	Sandstone
12	69	"	7	Skarn
13	70	<0.05	6	"
14	71	"	<5	"
15	72	"	<5	"
16	73	"	5	"
17	74	"	5	"
18	75	<0.05	5	"
19	76	"	6	"
20	77	"	6	"

046

582047

EXPLORATION LICENCE 17/68LOCATION - HAMPSHIRE SILVER MINESurface rock samples - Assayed for Au and Ag

Total No of Samples = 30

Assayed -- Department of Mines Laboratories 16/5/89

<u>Sample No</u>	<u>Req No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>	<u>Rock Type</u>
HS/G1	891595	<0.05	7	Skarn
G2	596	"	9	"
G3	597	"	<5	"
G4	598	"	<5	"
G5	599	"	15	"
G6	600	"	5	"
G7	601	"	<5	"
G8	602	"	"	"
G9	603	"	"	"
G10	604	"	"	Sandstone
G11	605	"	"	"
G12	606	"	"	"
G13	607	"	"	Skarn
G14	608	"	"	Sandstone
G15	609	"	"	"
G16	610	"	"	Skarn
G17	611	"	"	"
G18	612	"	"	"
G19	613	"	"	Sandstone
G20	614	"	"	Skarn
G21	615	"	"	"
G22	616	"	"	"
G23	617	"	"	"
G24	618	"	21	"
G25	619	"	<5	"
G26	620	"	"	"
G27	621	"	"	"
G28	622	"	"	"
G29	623	"	"	Quartz
G30	624	"	"	Skarn

## EXPLORATION LICENCE 17/68

## LOCATION - LOCATION L.4

Surface magnetite skarn samples - Assayed for Au and Ag

Total No of Samples = 21

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Reg No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>	<u>Rock Type</u>
L4/61	891517	<0.05	<5	Skarn
62	518	"	"	"
63	519	"	"	"
64	520	"	"	"
65	521	"	"	"
66	522	"	"	"
67	523	0.05	"	"
68	524	<0.05	"	"
69	525	"	"	"
610	526	"	"	"
611	527	"	"	"
612	528	<0.05	"	"
613	529	0.06	"	"
614	530	<0.05	"	"
615	531	0.07	"	"
616	532	<0.05	"	"
617	533	"	"	"
618	534	"	"	"
619	535	0.10	8	"
620	536	<0.05	7	"
621	537	<0.05	7	Skarn

048

APPENDIX A3.2

DRILL CORE PULPS - ASSAYED Au/Ag

<u>HOLE NO</u>	<u>LOCATION</u>	<u>INTERVAL</u> <u>Sampled</u> <u>(m)</u>	<u>No of</u> <u>Samples</u>	<u>MAX</u> <u>Au Value</u> <u>g/t</u>	<u>MAX</u> <u>Ag Value</u> <u>g/t</u>
202	East Ridge	49 - 55 62 - 84.6 84.6 - 115	(39)	<0.05	<5
203	East Ridge	72 - 88 103 - 115	(27)	0.28	<5
302	Kara South	0.00 - 21.20	(21)	0.12	<5
306	Kara North 266	3.66 - 33.83	(29)	2.25	23
307	Kara North 266	3.05 - 66.14	(57)	<0.05	9.8
309	Bobs Bonanza	37.0 - 52.0	(15)	<0.05	10
326	Location L.5	46.0 - 69.0	(24)	0.21	<5
330	Location L.5	64.0 - 83.0	(19)	0.06	5
333	Location L.5	41.0 - 77.0	(35)	<0.05	5

9 HOLE

265 SAMPLES

D.D.M. NO: 333 LOCATION: Location L.5  
 TOTAL DEPTH DRILLED (m): 90.81m NORTHING: 9967.40  
 EASTING: 7820.0  
 INC: 650E  
 DEPTH SAMPLED (m): 41.0 - 77.0m AZIMUTH: 301a

ASSAYED - DEPARTMENT OF MINES LABORATORIES 15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag q/t	Au q/t
D333/1	41.0 - 42.0	1.0	<5	<0.05
2	42.0 - 43.0	"	"	"
3	43.0 - 44.0	"	"	"
4	44.0 - 45.0	"	"	"
5	45.0 - 46.0	"	"	"
6	46.0 - 47.0	"	"	"
7	47.0 - 48.0	"	"	"
8	48.0 - 49.0	"	"	"
9	49.0 - 50.0	"	"	"
10	50.0 - 51.0	"	"	"
11	51.0 - 52.0	"	"	"
12	52.0 - 54.0	2.0	"	"
13	54.0 - 55.0	1.0	"	"
14	55.0 - 56.0	"	"	"
15	56.0 - 57.0	"	"	"
16	57.0 - 58.0	"	"	"
17	58.0 - 59.0	"	"	"
18	59.0 - 60.0	"	"	"
19	60.0 - 61.0	"	"	"
20	61.0 - 62.0	"	"	"
21	62.0 - 63.0	"	"	"



051

D.D.M. NO: 330

LOCATION: Location L.5

TOTAL DEPTH

NORTHING: 7718.7E

DRILLED (m): 91.41m

EASTING: 7820.7E

INC: 700E

DEPTH SAMPLED (m): 64.0 - 83.0m

AZIMUTH: 940

ASSAYED - DEPARTMENT OF MINES LABORATORIES

15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D330/1	64.0 - 65.0	1.0	<5	0.05
2	65.0 - 66.0	"	"	<0.05
3	66.0 - 67.0	"	"	0.05
4	67.0 - 68.0	"	"	0.06
5	68.0 - 69.0	"	"	0.06
6	69.0 - 70.0	"	"	0.06
7	70.0 - 71.0	"	5	<0.05
8	71.0 - 72.0	"	<5	"
9	72.0 - 73.0	"	"	"
10	73.0 - 74.0	"	"	"
11	74.0 - 75.0	"	"	"
12	75.0 - 76.0	"	"	"
13	76.0 - 77.0	"	"	"
14	77.0 - 78.0	"	"	"
15	78.0 - 79.0	"	"	"
16	79.0 - 80.0	"	"	"
17	80.0 - 81.0	"	"	"
18	81.0 - 82.0	"	"	"
19	82.0 - 83.0	1.0	<5	<0.05

052

582053

O.D.M. NO: 326

LOCATION: Location L.5

TOTAL DEPTH  
DRILLED (m): 86.82m

NORTHING: 7677.2M

EASTING: 7830.7E

DEPTH SAMPLED (m): 46.0 - 69.0m

INC: 70 $\pm$ EAZIMUTH: 90 $\alpha$ 

ASSAYED -- DEPARTMENT OF MINES LABORATORIES

15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D326/1	46.0 - 47.0	1.0	<5	0.05
2	47.0 - 48.8	0.80	"	<0.05
3	47.8 - 48.5	0.70	"	"
4	48.5 - 49.0	0.50	"	0.05
5	49.0 - 49.5	"	"	<0.05
6	49.5 - 50.0	"	<5	"
7	50.0 - 50.5	"	"	0.05
8	50.5 - 51.0	"	"	0.21
9	51.0 - 51.5	"	"	0.05
10	56.99 - 57.76	0.77	"	<0.05
11	57.76 - 58.5	0.74	<5	"
12	58.5 - 59.25	0.75	"	"
13	59.25 - 60.0	"	"	"
14	60.0 - 60.75	"	"	"
15	60.75 - 61.5	"	"	<0.05
16	61.5 - 62.25	0.75	<5	"
17	62.25 - 63.0	"	"	"
18	63.0 - 63.75	"	"	"
19	63.75 - 64.5	"	"	"
20	64.5 - 65.25	"	"	"
21	65.25 - 66.0	0.75	<5	<0.05





055

582056

D.D.M. NO: 307

LOCATION: Kara North 266 Zone

TOTAL DEPTH

NORTHING: 5427220.5

DRILLED (m): 66.14m

EASTING: 397166.3

INC: 55mN

DEPTH SAMPLED (m): 3.05 - 66.14m

AZIMUTH: 270o

ASSAYED - DEPARTMENT OF MINES LABORATORIES

15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D307/1	3.05 - 4.0	0.95	<5	<0.05
2	4.0 - 5.0	1.0	"	"
3	5.0 - 6.0	"	"	"
4	6.0 - 7.0	"	"	"
5	7.0 - 11.0	4.0	<5	<0.05
6	11.0 - 12.0	1.0	"	"
7	12.0 - 14.0	2.0	"	"
8	14.0 - 16.0	"	"	"
9	16.0 - 17.0	1.0	<5	<0.05
10	17.0 - 18.0	"	"	"
11	18.0 - 19.0	"	"	"
12	19.0 - 20.0	"	"	"
13	20.0 - 21.0	1.0	<5	<0.05
14	21.0 - 22.0	"	"	"
15	22.0 - 23.0	"	"	"
16	23.0 - 24.0	"	"	"
17	24.0 - 25.0	"	"	"
18	25.0 - 26.0	1.0	<5	<0.05
19	26.0 - 27.0	"	"	"
20	27.0 - 28.0	"	"	"
21	28.0 - 29.0	"	"	"

058

582057

D.D.M. NO: 307

LOCATION: Kara North 266 Zone

TOTAL DEPTH  
DRILLED (m):NORTHING:  
EASTING: CONTINUED  
INC: (PAGE 2)

DEPTH SAMPLED (m):

AZIMUTH:

ASSAYED - DEPARTMENT OF MINES LABORATORIES 15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag q/t	Au q/t
D307/22	29.0 - 30.0	1.0	<5	<0.05
23	30.0 - 31.0	"	"	"
24	31.0 - 32.0	"	"	"
25	32.0 - 33.0	"	"	"
26	33.0 - 34.0	"	"	"
27	34.0 - 35.0	1.0	<5	<0.05
28	35.0 - 36.0	"	"	"
29	36.0 - 37.0	"	"	"
30	37.0 - 38.0	"	"	"
31	38.0 - 39.0	"	"	"
32	39.0 - 40.0	1.0	<5	<0.05
33	40.0 - 41.0	"	"	"
34	41.0 - 42.0	"	"	"
35	42.0 - 43.0	"	"	"
36	43.0 - 44.0	"	"	"
37	44.0 - 45.0	1.0	<5	<0.05
38	45.0 - 46.0	"	"	"
39	46.0 - 47.0	"	"	"
40	47.0 - 48.0	"	"	"
41	48.0 - 49.0	"	"	"
42	49.0 - 50.0	1.0	9.8	<0.05



O.D.M. NO: 306

LOCATION: Kara North 266 Zone

TOTAL DEPTH

NORTHING: 5427024.6

DRILLED (m): 36.19

EASTING: 397215.6

INC: 450N

DEPTH SAMPLED (m): 3.66 - 33.83

AZIMUTH: 2700

ASSAYED - DEPARTMENT OF MINES LABORATORIES

15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D306/1	3.66 - 5.18	1.52	23	0.09
2	5.18 - 6.71	1.53	15	0.07
3	6.71 - 8.23	1.52	15	0.17
4	8.23 - 9.75	1.52	14	0.12
5	9.75 - 11.28	1.53	9.3	0.16
6	11.28 - 12.80	1.52	12	0.14
7	12.80 - 14.33	1.53	8.3	0.37
8	14.33 - 14.94	0.61	6	0.43
9	14.94 - 15.85	0.91	<5	0.84
10	15.85 - 16.76	0.91	"	0.55
11	16.76 - 17.68	0.92	"	2.25
12	18.59 - 19.51	0.92	"	<0.05
13	19.51 - 20.12	0.61	"	"
14	20.12 - 21.03	0.91	<5	"
15	21.03 - 21.95	0.92	"	"
16	21.95 - 22.86	0.91	5	"
17	22.86 - 23.77	0.91	"	<0.05
18	23.77 - 24.69	0.92	<5	"
19	24.69 - 25.60	0.91	"	"
20	25.60 - 26.52	0.92	5.3	"
21	26.52 - 27.43	0.91	5.3	0.11



D.D.M. NO: 302

LOCATION: Kara South  
- Main Skarn

TOTAL DEPTH  
DRILLED (m): 23.47m

NORTHING:  
EASTING:  
INC: Vertical

DEPTH SAMPLED (m): 0.00 - 21.20m

AZIMUTH: -

ASSAYED - DEPARTMENT OF MINES LABORATORIES 15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag q/t	Au q/t
D302/1	0.0 - 1.0	1.0	<5	<0.05
2	1.0 - 2.0	"	"	0.1
3	2.0 - 3.0	"	"	<0.05
4	3.0 - 4.0	"	"	"
5	4.0 - 5.0	"	"	"
6	5.0 - 6.0	1.0	<5	"
7	6.0 - 7.0	"	"	"
8	7.0 - 8.0	"	"	0.12
9	8.0 - 9.0	"	"	<0.05
10	9.0 - 10.0	"	"	"
11	10.0 - 11.0	1.0	<5	0.06
12	11.0 - 12.0	"	"	<0.05
13	12.0 - 13.0	"	"	0.05
14	13.0 - 14.0	"	"	"
15	14.0 - 15.0	"	"	<0.05
16	15.0 - 16.0	1.0	<5	"
17	16.0 - 17.0	"	"	"
18	17.0 - 18.0	"	"	0.09
19	18.0 - 19.0	"	"	0.07
20	19.0 - 20.0	"	"	0.06
21	20.0 - 21.20	1.20	<5	0.09

D.D.M. NO: 203

LOCATION: Eastern Ridge

TOTAL DEPTH  
DRILLED (m): 130.70m

NORTHING: 5426449N

EASTING: 397687E

DEPTH SAMPLED (m): 72 - 91m  
100 - 120m

INC: 50c

AZIMUTH: 90c

ASSAYED - DEPARTMENT OF MINES LABORATORIES

12/7/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D210/54	72 - 73	1.0	<5	<0.05
55	73 - 74	"	"	0.06
56	74 - 75	"	"	<0.05
57	75 - 76	"	"	0.07
58	76 - 77	"	"	<0.05
59	77 - 78	1.0	<5	"
60	78 - 79	"	"	"
61	79 - 80	"	"	"
62	80 - 81	"	"	"
63	81 - 82	1.0	<5	<0.05
64	82 - 83	"	"	"
65	83 - 84	"	"	"
66	84 - 85	"	"	"
67	85 - 86	"	"	"
68	86 - 87	"	"	"
69	87 - 88	1.0	<5	<0.05
D210/70	103 - 104	1.0	N.S.	N.S.
71	104 - 105	"	5	<0.05
72	105 - 106	"	<5	0.08
73	106 - 107	"	"	<0.05



063

582064

D.D.M. NO: 202 LOCATION: Eastern Ridge  
 TOTAL DEPTH NORTHING: 55226416.15N  
 DRILLED (m): 126.30m EASTING: 397683.15E  
 DEPTH SAMPLED (m): 49 - 55 INC: 550  
 62 - 84.6 AZIMUTH: 900  
 ASSAYED - DEPARTMENT OF MINES LABORATORIES 15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag q/t	Au q/t
D210/15	49 - 50	1.0	<5	<0.05
16	50 - 51	"	"	"
17	51 - 52	"	"	"
18	52 - 53	"	"	"
19	53 - 54	"	"	"
20	54 - 55	1.0	<5	<0.05
D210/21	62 - 63	1.0	<5	<0.05
22	63 - 64	"	"	"
23	64 - 65	"	"	"
24	65 - 66	"	"	"
25	66 - 67	"	"	"
26	67 - 68	1.0	<5	<0.05
27	68 - 69	"	"	"
28	69 - 70	"	"	"
29	70 - 71	"	"	"
30	71 - 72	"	"	"
31	72 - 73	1.0	<5	<0.05
32	73 - 74	"	"	"
33	74 - 75	"	"	"
34	75 - 76	"	"	"

064

582065

D.D.M. NO: 202

LOCATION: Eastern Ridge

TOTAL DEPTH  
DRILLED (m):NORTHING:  
EASTING: CONTINUED  
INC: (PAGE 2)

DEPTH SAMPLED (m):

AZIMUTH:

ASSAYED - DEPARTMENT OF MINES LABORATORIES 15/6/89

SAMPLE NO	DEPTH (m)	INTERVAL (m)	ASSAYS	
			Ag g/t	Au g/t
D210/35	76 - 77	1.0	<5	<0.05
36	77 - 78	"	"	"
37	78 - 79	"	"	"
38	79 - 80	"	"	"
39	80 - 81	"	"	"
40	81 - 82	1.0	<5	<0.05
41	82 - 83	"	"	"
42	83 - 84	"	"	"
43	84 - 84.6	0.6	-	-
D210/44	105 - 106	1.0	<5	<0.05
45	106 - 107	"	"	"
46	107 - 108	"	"	"
47	108 - 109	"	"	"
48	109 - 110	1.0	<5	<0.05
49	110 - 111	"	"	"
50	111 - 112	"	"	"
51	112 - 113	"	"	"
52	113 - 114	"	"	"
53	114 - 115	1.0	<5	<0.05

065

## DEPARTMENT OF MINES

582066



TASMANIA

Launceston Office:

Chemical and Metallurgical  
Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

Enquiries: Tasmania Mines Ltd  
Phone: P.O. Box 815  
Your ref.: Burnie 7320  
Our file:

12.7.89

O/No 3683Reg. Nos 892597-36

Dear Sir,

Please find below results of samples submitted to  
this laboratory.

<u>Reg. Nos</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
892597	D 210	34	
		<0.05	<5
598	35		
599	36		
600	37		
601	38		
602	39		
603	40		
604	41		
605	42		
606	44		
607	45		
608	46		
609	47		
610	48		
611	49		
612	50		
613	51		
614	52		
615	53		
616	54	<0.05	
617	55	0.06	
618	59	<0.05	
619	60	0.07	
620	61	<0.05	<5

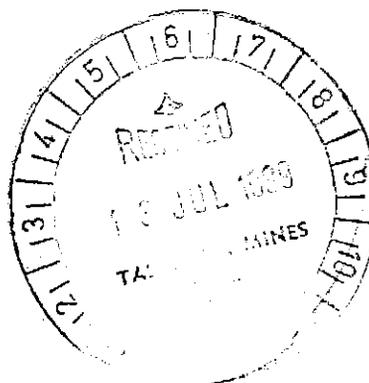
<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
892621	D 210	<0.05	<5
622	63		
623	65		
624	66		
625	67		
626	68		
627	69		<5
628	71	<0.05	5
629	72	0.08	<5
630	73	<0.05	
631	75	0.28	
632	76	<0.05	
633	78		
634	79		
635	80		
636	81	<0.05	<5

Analyses by *L. M. Hays*.

Yours faithfully,

*P. L. James*  
(P.L. James)

Chief Chemist & Metallurgist



582068

## APPENDIX NO. 4A

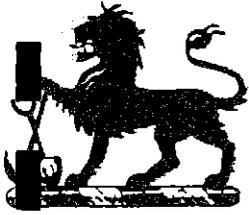
E.L. 17/68 MAGNETITE SAMPLES ZONESSAMPLES ASSAYED FOR GOLD

<u>Skarn Zone</u>	<u>Hole No.</u>	<u>Samples Nos.</u>	<u>No. Samples</u>
Kara No. 1	D316	D316/1 - 82	82
Kara No. 1 S. Ext.	D313	D313/1 - 54	54
Kara No. 1 S. Ext.	D314	D314/1 - 39	39
Kara N. 266 Zone	D303	D303/1 - 43	43
Kara N. Mag. Anomaly	D343	D343/83 - 127	45
Eastern Ridge	D273	D273/276 - 318	42
Companion Skarn	D514	D514/18 - 50	33
Loc. L. 5 to E. Ridge	D510	D510/29 - 34	5
Bobs Bonanza	D500	D500/1 - 7	7
Kara N. Zone 266	D516	D516/1 - 11	11
Location L. 1	L1/23 - 28		
Hampshire Silver Mine		SM1 - SM5	5
Kara No. 1		HM1 - HM7	7

068

## DEPARTMENT OF MINES

582069



TASMANIA

Launceston Office:

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Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

Enquiries: Tasmania Mines Ltd  
Phone: P.O. Box 815  
Your ref.: Burnie 7320  
Our file:

14.7.89

O/No 3683Reg. Nos 892637-55

Dear Sir,

Please find below results of samples submitted to  
this laboratory.

<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
892637 D 210	82	<0.05	<5
638	83		<5
639	84		5
640	85		<5
641	86		
642 D 308	1		
643	2		
644	3		
645	4		
646	5	<0.05	
647	6	0.06	
648	7	0.06	
649	8	0.09	
650	9	0.43	
651	10	0.06	
652	11	0.08	
653	12	0.09	
654	13	0.08	
655	14	0.38	<5

Analyses by *L. L. King**P. L. James*  
(P.L. James)Chief Chemist & Metallurgist

Telephone (003) 44 2431

Fax (003) 44 6565

## 069 DEPARTMENT OF MINES

582070



TASMANIA

Launceston Office:

Chemical and Metallurgical  
Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

Enquiries:  
Phone:  
Your ref.:  
Our file:

Tasmania Mines Ltd  
P.O. Box 815  
Burnie 7320

15th June 1989

Reg. No 892379-2531

Dear Sir,

Please find below results of samples submitted to  
this laboratory.

<u>Reg. No</u>	<u>Desc.</u>	<u>Ag g/t</u>	<u>Au g/t</u>
892379	D 307 1	<5	<0.05
892380	2		
892381	3		
892382	4		
892383	5		
892384	6		
892385	7		
892386	8		
892387	9		
892388	10		
892389	11		
892390	12		
892391	13		
892392	14		
892393	15		
892394	16		
892395	17		
892396	18		
892397	19		
892398	20		
892399	21		
892400	22		
892401	23		
892402	24		
892403	25		
892404	26	<5	<0.05

Telephone (003) 44 2431

Fax (003) 44 6565

070

2

582071

<u>Reg. No</u>	<u>Desc.</u>	<u>Ag g/t</u>	<u>Au g/t</u>
892405	D 307 27	<5	<0.05
406	28		
407	29		
408	30		
409	31		
410	32		
411	33		
412	34		
413	35		
414	36		
415	37		
416	38		
417	39		
418	40		
419	41	<5	
420	42	9.8	
421	43	<5	
422	44		
423	45		
424	46		
425	47		
426	48		
427	49		
428	50		
429	51		
430	52		
431	53		
432	54		
433	55		
434	56		
435	57		
436	D 302 1		<0.05
437	2		0.1
438	3		<0.05
439	4		
440	5	<5	<0.05

071

3

582072

<u>Reg. Nos</u>	<u>Desc.</u>	<u>Ag g/t</u>	<u>Au g/t</u>
892441	D 302 6	<5	<0.05
442	7		<0.05
443	8		0.12
444	9		<0.05
445	10		<0.05
446	11		0.06
447	12		<0.05
448	13		0.05
449	14		0.05
450	15		<0.05
451	16		<0.05
452	17		<0.05
453	18		0.09
454	19		0.07
455	20		0.06
456	21	<5	0.09
457	D 306 1	23	0.09
458	2	15	0.07
459	3	15	0.17
460	4	14	0.12
461	5	9.3	0.16
462	6	12	0.14
463	7	8.3	0.37
464	8	6	0.43
465	9	<5	0.84
466	10		0.55
467	11		2.25
468	12		<0.05
469	13		<0.05
470	14		
471	15	<5	
472	16	5	
473	17	5	
474	18	<5	
475	19	<5	<0.05

072

4

532073

<u>Reg. Nos</u>	<u>Desc</u>	<u>Ag g/t</u>	<u>Au g/t</u>
892476	D 306 20	5.3	<0.05
477	21	5.3	0.11
478	22	5.3	<0.05
479	23	<5	<0.05
480	24		<0.05
481	25		0.19
482	26		<0.05
483	27		<0.05
484	28		0.05
485	D 326 1		0.05
486	2		<0.05
487	3		<0.05
488	4		0.05
489	5		<0.05
490	6		<0.05
491	7		0.05
492	8		0.21
493	9		0.05
494	10		<0.05
495	11		
496	12		
497	13		
498	14		
499	15		
500	16		
501	17		
502	18		
503	19		
504	20		
505	21		
506	22		
507	23		
508	24		
509	D 330 1		
510	2	<5	<0.05

073

532074

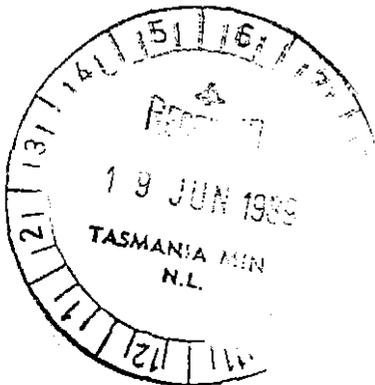
5

<u>Reg. Nos</u>	<u>Desd.</u>	<u>Ag g/t</u>	<u>Au g/t</u>
892511	D 330 3	<5	<0.05
512	4	<5	0.05
513	5	<5	0.06
514	6	<5	0.06
515	7	5	<0.05
516	8	<5	
517	9		
518	10		
519	11		
520	12		
521	13		
522	14		
523	15		
524	16		
525	17		
526	18		
527	19		
528	D 333 1		
529	2		
530	3		
531	4	<5	<0.05

Analyses by *L. M. H. Gray*

*[Signature]*  
(P.L. James)

Chief Chemist & Metallurgist





TASMANIA

074

# DEPARTMENT OF MINES

582075

Launceston Office:

Chemical and Metallurgical  
Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

Enquiries: Tasmania Mines Ltd  
Phone: P.O. Box 815  
Your ref.: Burnie 7320  
Our file:

27th June 1989

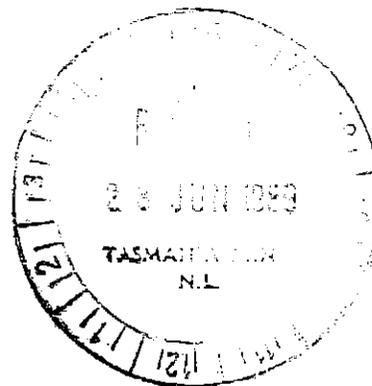
O/No 3683

Reg. Nos 892532-556

Dear Sir,

Please find below further results on samples submitted to this laboratory.

<u>Reg. Nos</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
892532	D 333 5	<0.05	<5
533	6		
534	7		
535	8		
536	9		
537	10		
538	11		
539	12		
540	13		
541	14		
542	15		
543	16		
544	17		
545	18		
546	19		
547	20		
548	21		
549	22		
550	23		
551	24		
552	25		
553	26		
554	27		
555	28		
556	29		



Analyses by, *[Signature]*

*[Signature]*  
(P.L. James)  
Chief Chemist & Metallurgist

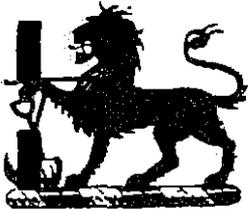
Telephone (003) 44 2431

Fax (003) 44 6565

075

## DEPARTMENT OF MINES

582076



Launceston Office:

Chemical and Metallurgical  
Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

TASMANIA

Enquiries: Tasmania Mines Ltd  
Phone: P.O. box 815  
Your ref.: Burnie 7320  
Our file:

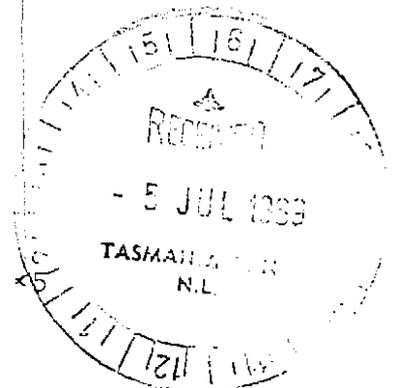
3.7.89

O/No 3683

Reg. Nos 892557-96

Dear Sir,  
please find below further results on samples  
submitted to this laboratory.

<u>Reg. Nos</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
892557	D 333	30	<0.05
558		31	<5
559		32	
560		33	
561		34	<5
562		35	5
563	D 309	1	<5
564		2	
565		3	
566		4	
567		5	
568		6	
569		7	<5
570		8	10
571		9	<5
572		10	
573		11	
574		12	
575		13	
576		14	
577		15	
578	D 210	15	
579		16	
580		17	
581		18	
582		19	
583		20	
584		21	<0.05



<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>	
892585	D 210	22	<0.05	<5
586		23		
587		24		
588		25		
589		26		
590		27		
591		28		
592		28		
593		30		
594		31		
595		32		
596		33	<0.05	<5

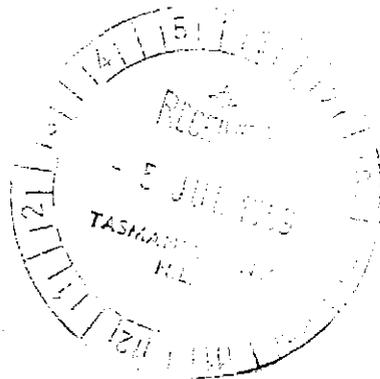
Analyses by *F.M. Foley*

Yours faithfully,

(P.L. James)

Chief Chemist & Metallurgist

Fee 40 X \$15.50 = \$620.00



ROCK CHIP SAMPLES - MAGNETITE SKARN ZONESKARA NO 2 SKARNS

<u>LOCATION</u>	<u>SAMPLE NUMBERS</u>	<u>NO OF SAMPLES</u>
Kara No 2 South Skarn	K2S/G1 to K2S/G15	15
Kara No 2 East Skarn	K2E/G1 to K2E/G20	20
Kara No 2 Main Skarn	K2M/G1 to K2M/G40	40
		<u>75</u>

Assayed Department of Mines Laboratories, Launceston

Results received May, 1989.

Assay - Au (g/t)  
 - Ag (g/t)

LOCATION - KARA NO 2 SOUTH SKARNSurface Magnetite Skarn Samples - Assayed for Au and Ag

Total No of Samples = 15

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Reg No</u>	<u>Au (g/t)</u>	<u>Ag g/t)</u>
K2S/G1	891442	<0.1	<5
G2	443	"	"
G3	444	"	"
G4	445	"	"
G5	446	"	"
G6	447	"	"
G7	448	"	"
G8	449	"	"
G9	450	"	"
G10	451	"	"
G11	452	"	"
G12	453	"	"
G13	454	"	"
G14	455	"	"
G15	456	<0.1	<5

## LOCATION - KARA NO 2 EAST SKARN

Surface Magnetite Skarn Samples - Assayed for Au and Ag

Total No of Samples = 20

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Req No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>
K2E/G1	891457	<0.05	<5
G2	458	"	"
G3	459	"	"
G4	460	"	"
G5	461	0.10	<5
G6	462	<0.05	"
G7	463	"	"
G8	464	0.10	"
G9	465	-	<5
G10	466	-	"
G11	467	<0.1	"
G12	468	"	"
G13	469	"	<5
G14	470	"	"
G15	471	<0.1	"
G16	472	"	"
G17	473	"	<5
G18	474	"	"
G19	475	"	"
G20	476	<0.1	<5

LOCATION - KARA NO 2 MAIN SKARNSurface Magnetite Skarn Samples - Assayed for Au and Ag

Total No of Samples = 40

Assayed - Department of Mines Laboratories 15/5/89

<u>Sample No</u>	<u>Req No</u>	<u>Au (g/t)</u>	<u>Ag (g/t)</u>
K2M/G1	891477	<0.1	<5
G2	478	"	"
G3	479	"	"
G4	480	"	"
G5	481	"	"
G6	482	"	"
G7	483	"	"
G8	484	"	"
G9	485	"	"
G10	486	<0.1	<5
G11	487	"	"
G12	488	"	"
G13	489	"	"
G14	490	"	"
G15	491	"	"
G16	492	"	"
G17	493	"	"
G18	494	<0.1	<5
G19	495	"	"
G20	496	"	"
G21	497	"	"
G22	498	"	"
G23	499	"	"
G24	500	"	"
G25	501	<0.1	<5
G26	502	"	"
G27	503	"	"
G28	504	"	"
G29	505	<0.05	"
G30	506	"	"
G31	507	"	"
G32	508	"	"
G33	509	"	"
G34	510	"	"
G35	511	"	"
G36	512	"	"
G37	513	"	"
G38	514	"	"
G39	515	"	"
G40	516	<0.05	<5

081

## DEPARTMENT OF MINES

582032



TASMANIA



Launceston Office:

Chemical and Metallurgical  
Laboratory,  
287 Wellington Street,  
LAUNCESTON 7249

Enquiries:

Phone:

Your ref:

Our file:

Tasmania Mines Ltd  
P.O. Box 815  
Burnie 7320

3rd May 1989

Reg. Nos 891442-534

Dear Sir.

Please find below results of samples submitted to this  
laboratory.

<u>Reg. Nos</u>	<u>Descriptions</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891442	Kara 2 South G 1	<0.1	<5
443	2		
444	3		
445	4		
446	5		
447	6		
448	7		
449	8		
450	9		
451	10		
452	11		
453	12		
454	13		
455	14	<0.1	
456	15		
457	Kara 2 East G 1	<0.05	
458	2		
459	3		
460	4	<0.05	
461	5	0.10	
462	6	<0.05	
463	7	<0.05	
464	8	<0.1	
465	9		
466	10		
467	11	<0.1	<5

Telephone (003) 44 2431

Fax (003) 44 6565

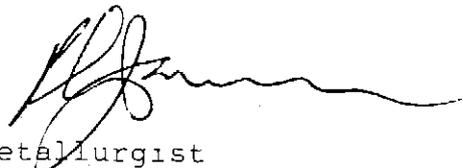
<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891468	Kara 2 East G 12	<0.1	<5
469	13		
470	14		
471	15		
472	16		
473	17		
474	18		
475	19		
476	20		
477	Kara 2 Main 1		
478	2		
479	3		
480	4		
481	5		
482	6		
483	7		
484	8		
485	9		
486	10		
487	11		
488	12		
489	13		
490	14		
491	15		
492	16		
493	17		
494	18		
495	19		
496	20		
497	21		
498	22		
499	23		
500	24		
501	25		
502	26	<0.1	<5

<u>Reg. No</u>	<u>Description</u>		<u>Au g/t</u>	<u>Ag g/t</u>
891503	Kara 2 Main	27	<0.1	<5
504		28	<0.1	<5
505		29	<0.05	
506		30		
507		31		
508		32		
509		33		
510		34		
511		35		
512		36		
513		37		
514		38		
515		39		
516		40		
517	Location L 4 G	1		
518		2		
519		3		
520		4		
521		5		
522		6	<0.05	
523		7	0.05	
524		8	<0.05	
525		9		
526		10		
527		11		
528		12	<0.05	
529		13	0.06	
530		14	<0.05	
531		15	0.07	
532		16	<0.05	
533		17	<0.05	
534		18	<0.05	<5

Analyses by... *L.M. Hay*

Note: <0.05 Limit relates to fire assay results.

<0.1 Limit relates to acid attack assay results.

(P.L. James)  
  
 Chief Chemist & Metallurgist



TASMANIA

Launceston Office:  
 Chemical and Metallurgical  
 Laboratory,  
 287 Wellington Street,  
 LAUNCESTON 7249

Enquiries: Tasmania Mines Ltd  
 Phone: P.O. Box 815  
 Your ref.: Burnie 7320  
 Our file:

15th May 1989

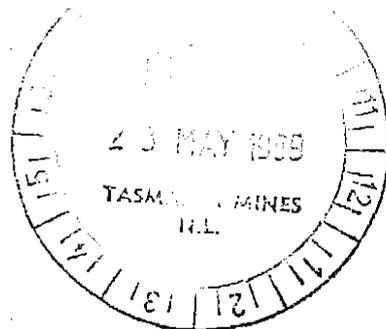
Reg. Nos 891535-577

)/N0 3683

Dear Sir,

Please find below results of samples submitted to this laboratory.

<u>Reg. Nos</u>	<u>Descriptions</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891535	Location L 4 G 19	0.10	8
536	20	<0.05	7
537	21	<0.05	7
538	Hampshire Magnetite G 1		<5
539	2		<5
540	3		<5
541	4		8
542	5		7
543	6		8
544	7		7
545	8		8
546	9		8
547	10		8
548	11		7
549	12		8
550	13	<0.05	8
551	14	0.12	7
552	15	<0.05	8
553	16	<0.05	7
554	17	<0.05	8
555	18		9
556	19		<5
557	20	<0.05	<5



<u>Reg. Nos</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891558	Location L 13 G 1	<0.05	9
559	2		7
560	3		8
561	4		9
562	5		<5
563	6		8
564	7		<5
565	8		7
566	9		<5
567	10		7
568	11		<5
569	12		7
570	13		6
571	14		<5
572	15		<5
573	16		5
574	17		5
575	18		5
576	19		6
577	20	<0.05	6

Analyses by... *L.M. Hey*

Yours faithfully,

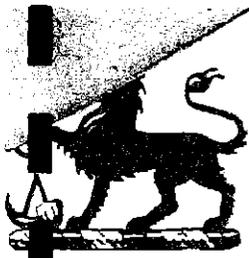
*P.L. James*  
(P.L. James)  
Chief Chemist & Metallurgist



086

## DEPARTMENT OF MINES

502037



TASMANIA

Launceston Office:  
 Chemical and Metallurgical  
 Laboratory,  
 287 Wellington Street,  
 LAUNCESTON 7249

Enquiries: Tasmania Mines Ltd  
 Phone: P.O. Box 815  
 Your ref.:  
 Our file: Burnie 7320

16.5.89

Reg. Nos 891578-624

O/No 3683

Dear Sir,

Please find below results of samples submitted to  
 this laboratory.

<u>Reg. No</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891578	Suttons Skaan G 1	<0.05	<5
579	2		
580	3		
581	4		
582	5		
583	6		
584	7		
585	8		
586	9		
587	10		
588	11		
589	12		
590	13		
591	14		
592	15		
593	16		
594	17		
595	Hampshire Silver Mines G 1		<5
596	2		7
597	3		9
598	4		<5
599	5		<5
600	6	<0.05	15
			<5



Telephone (003) 44 2431

Fax (003) 44 6565

087

2

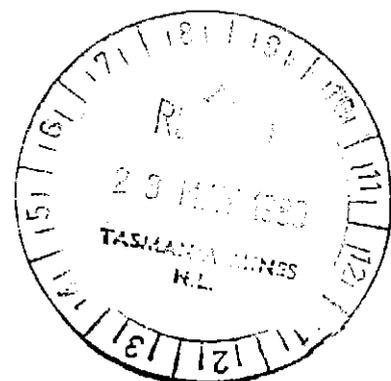
<u>Reg. Nos</u>	<u>Description</u>	<u>Au g/t</u>	<u>Ag g/t</u>
891601	Hampshire Silver Mine G 7	<0.05	<5
602	8		
603	9		
604	10		
605	11		
606	12		
607	13		
608	14		
609	15		
610	16	<0.05	
611	17		
612	18		
613	19		
614	20		
615	21		
616	22		
617	23		<5
618	24		21
619	25		<5
620	26		
621	27		
622	28		
623	29		
624	30	<0.05	<5

Analyses by *L.M. Hay*.

Yours faithfully,

*P.L. James*  
(P.L. James)

Chief Chemist & Metallurgist



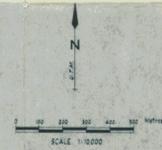
-  AREA FOR EXTENSION
-  EXISTING CONSOLIDATED LEASE CL 1377, P/M
-  MINERAL LEASES UNDER APPLICATION

5 cm

SCALE: 1:10,000

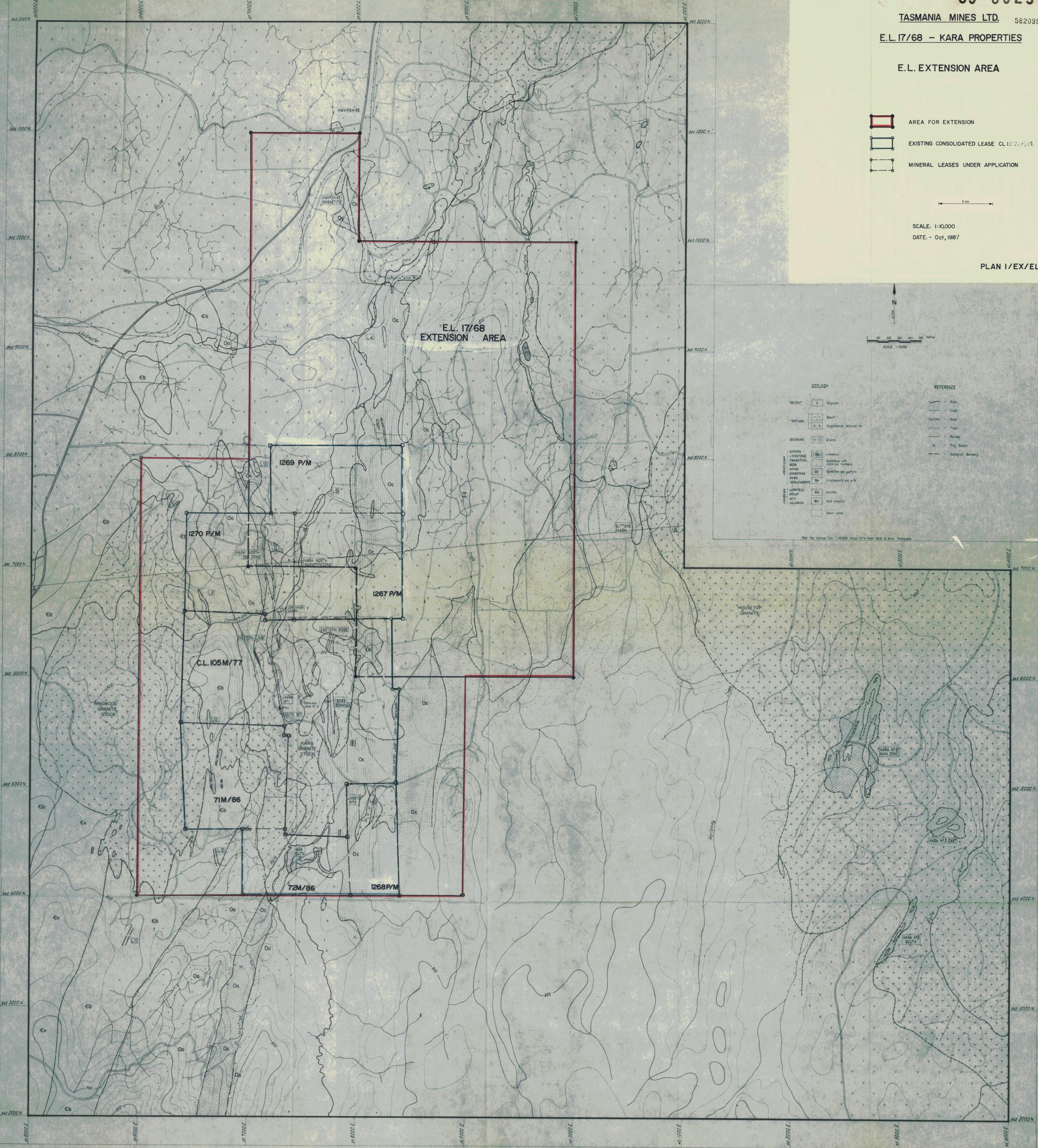
DATE: - Oct, 1987

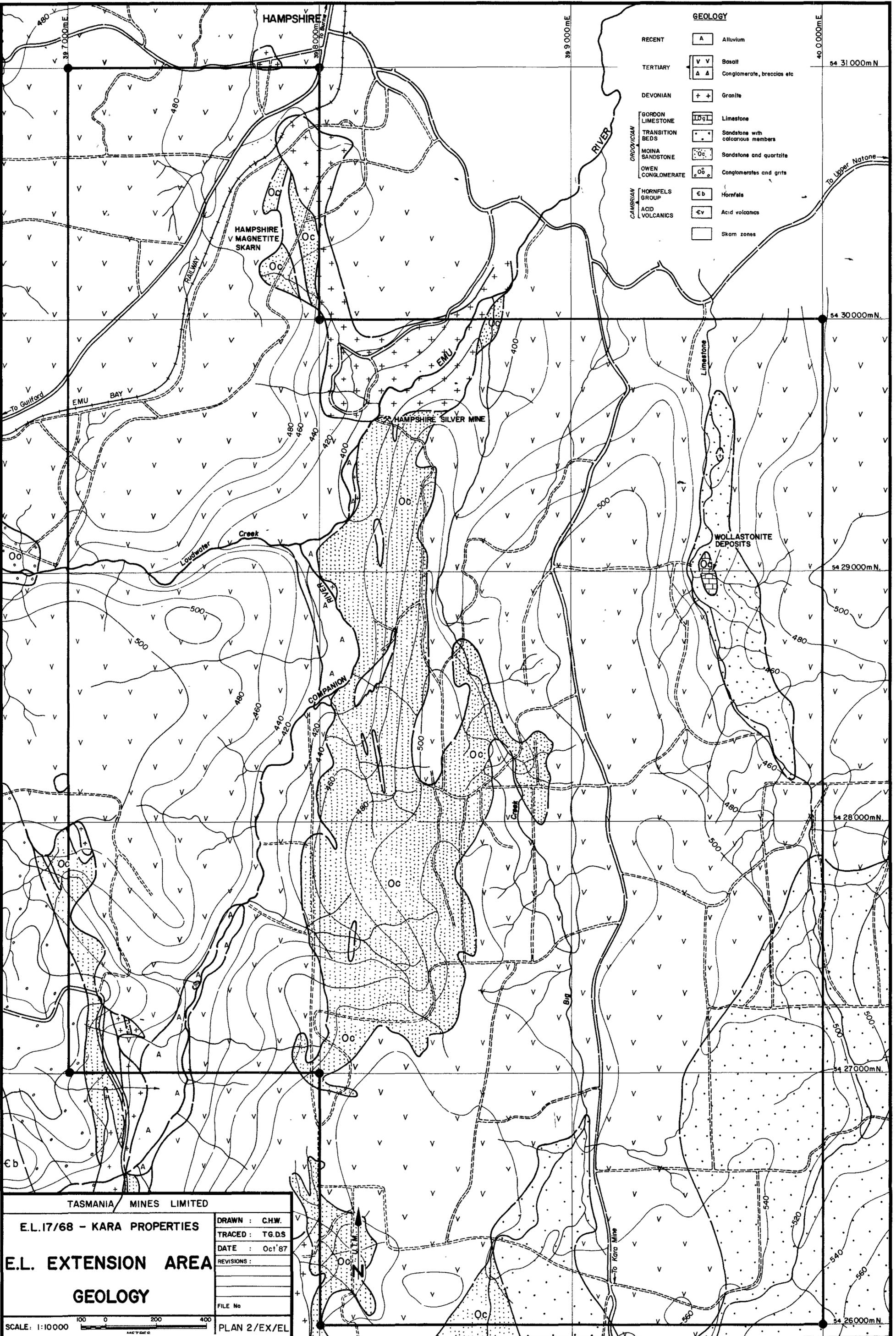
PLAN I/EX/EL

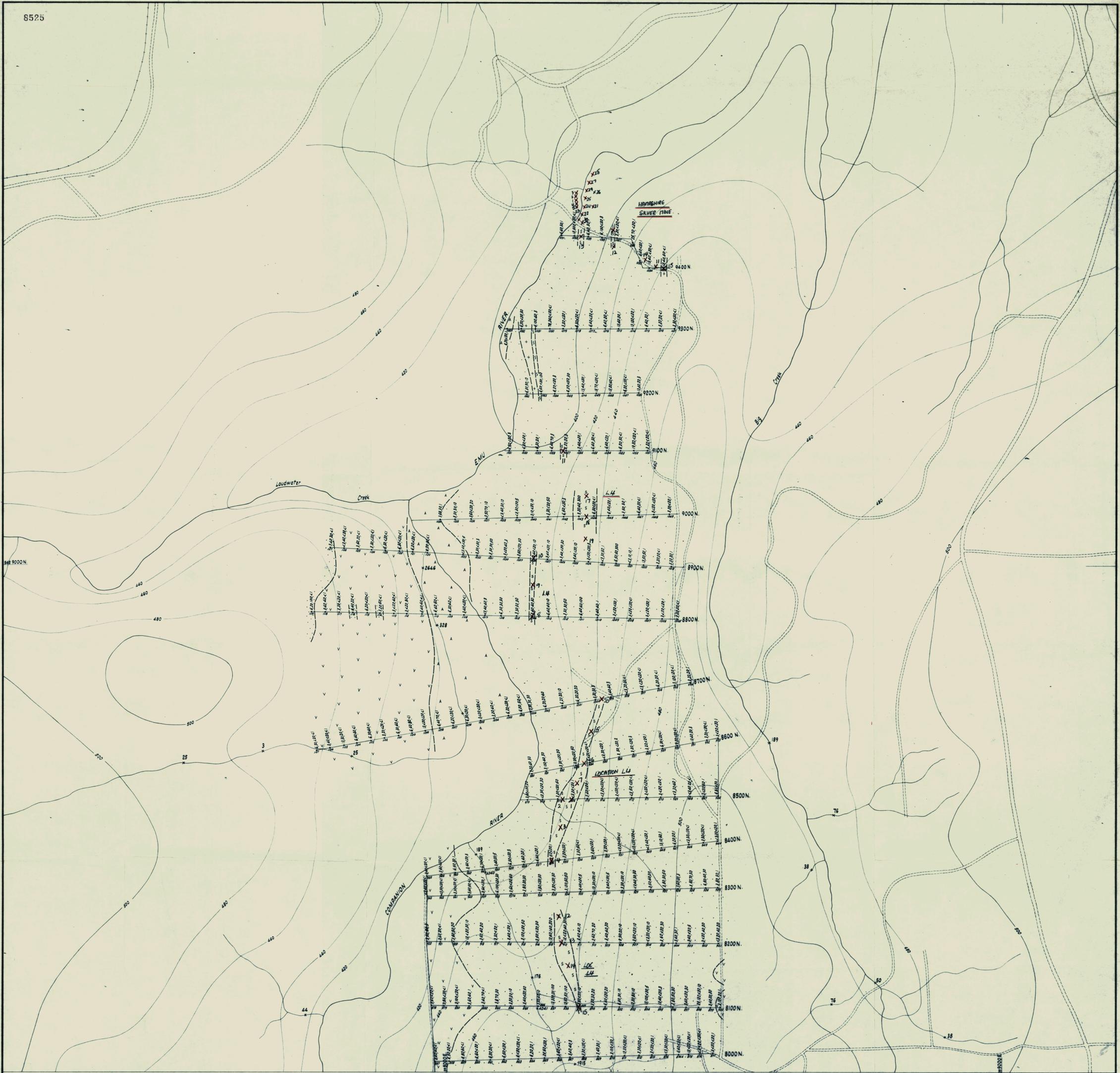


GEOLOGY		REFERENCE	
RECENT	A Alluvium	—	River
TERTIARY	V/T Basalt	—	Creek
	A/A Conglomerate breccias etc.	—	Road
DEVONIAN	S Quartz	—	Track
GORDON LIVERSTONE TRANSITION	L Limestone	—	Railway
	S Sandstone with siliceous matrix	△	Triang. Station
	M Manganese	—	Biological Boundary
	SH Sandstone and quartzite		
PERMIAN	Oo Conglomerate and gravel		
CARBONIFEROUS	EV Volcanics		
	EV Volcanics		
	EV Volcanics		

Base Map derived from 1:10,000 Aerial N.T.M. Sheet 808 & 809. Photographs







LEGEND

- A Alluvium silt and boulders
- V Basalt
- + Devonian Granite
- Sandstone/quartzite
- S Shale and clays

Soil sample for analysis in ppm. Wg, Pg, B, Sn.  
 Plac concentrate stream sediment sample Wg.  
 Result in ppm. Wg.

5 cm

TASMANIA MINES LIMITED. 89-3025

KARA TUNGSTEN PROJECT, TASMANIA  
 L4 + HAMPSHIRE SILVER MINE EXHIBIT

582091  
 GEOLOGY AND GEOCHEMISTRY  
 SURFACE ROCK CHIP SAMPLES - Au + Pb ANALYSES

NO.	BY	DATE	DESCRIPTION	DESIGNED	SCALE 1:2500	PLAN NO.

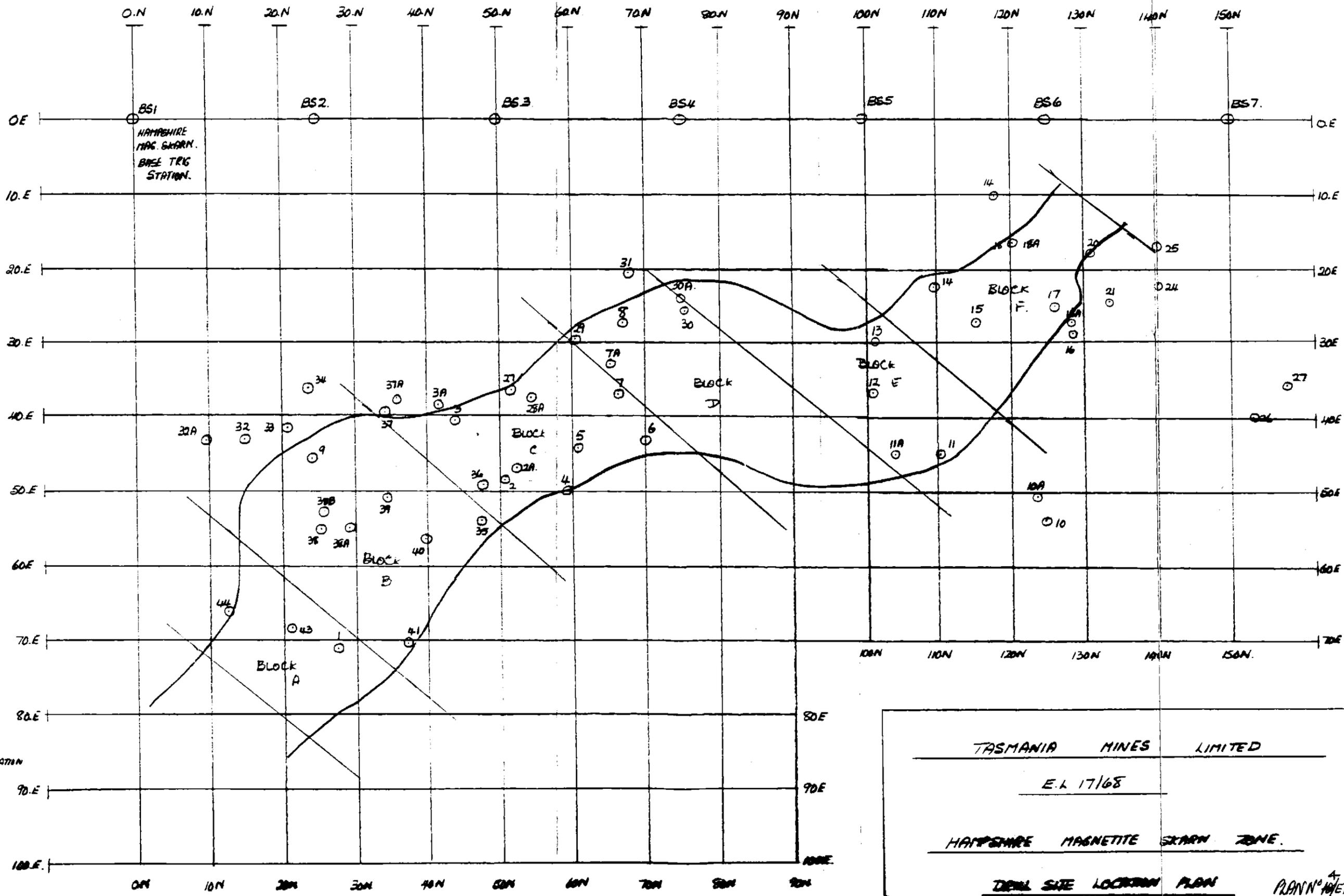
DRAWN: T.P.S.  
 CHECKED: [Signature]  
 DATE: Feb 1982  
 PROJECT No. 5108

BEXIEL  
 REVISION  
 [Signature]

89-3025

0170 532092

HAMPSHIRE MAGNETITE SKARN.



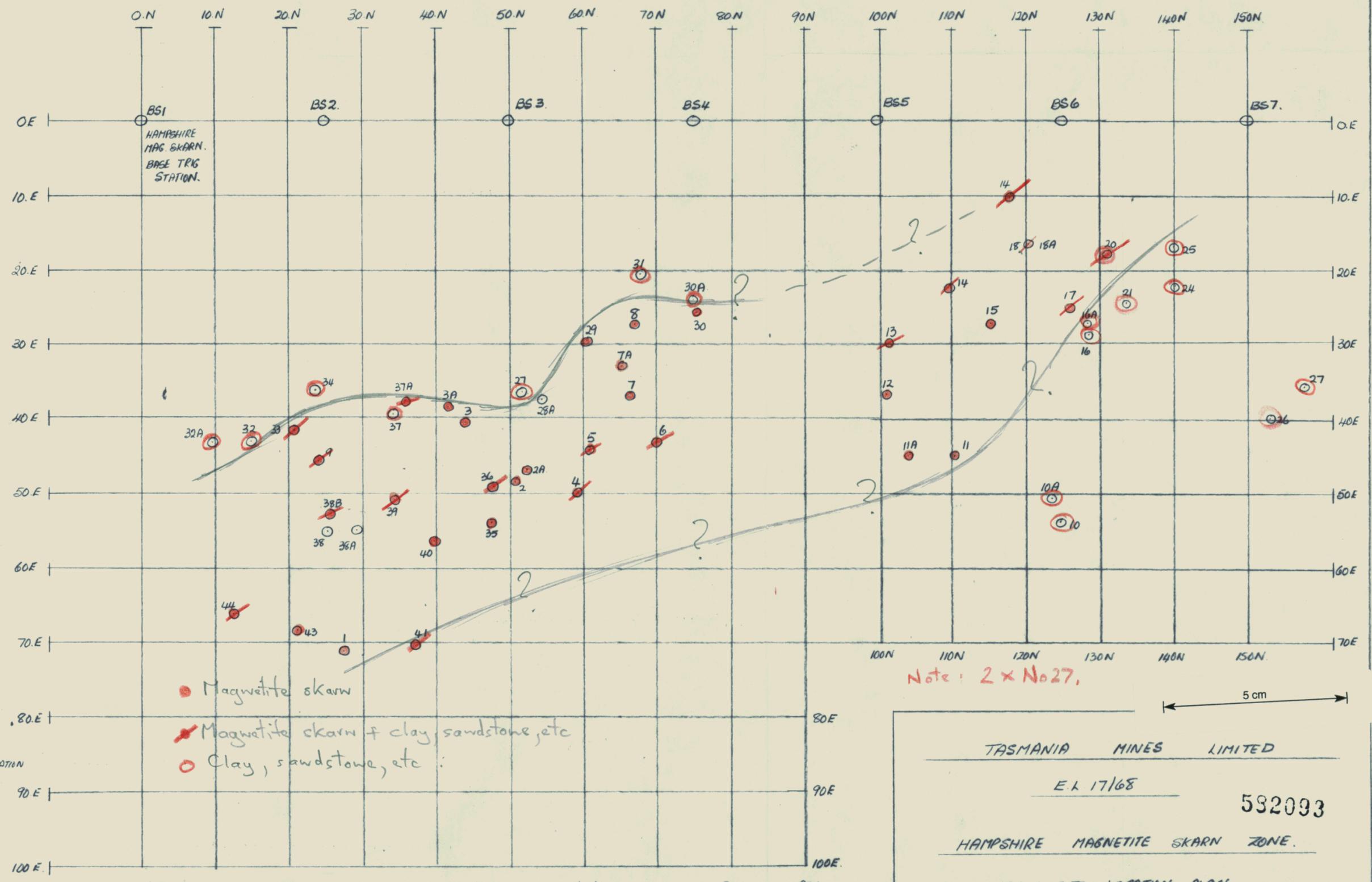
TASMANIA MINES LIMITED

E.L. 17/68

HAMPSHIRE MAGNETITE SKARN ZONE.

DETAILED SITE LOCATION PLAN

PLAN NO. 10/EX/12



- Magnetite skarn
- / Magnetite skarn + clay, sandstone, etc
- Clay, sandstone, etc

42  
○ = PERCUSSION  
DRILL SITE LOCATION  
+ DRILL HOLE NO.

Note: 2 x No 27.

5 cm

TASMANIA MINES LIMITED

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E.L 17/68

582093

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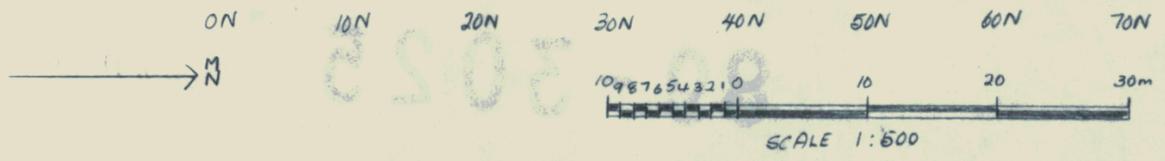
HAMPSHIRE MAGNETITE SKARN ZONE.

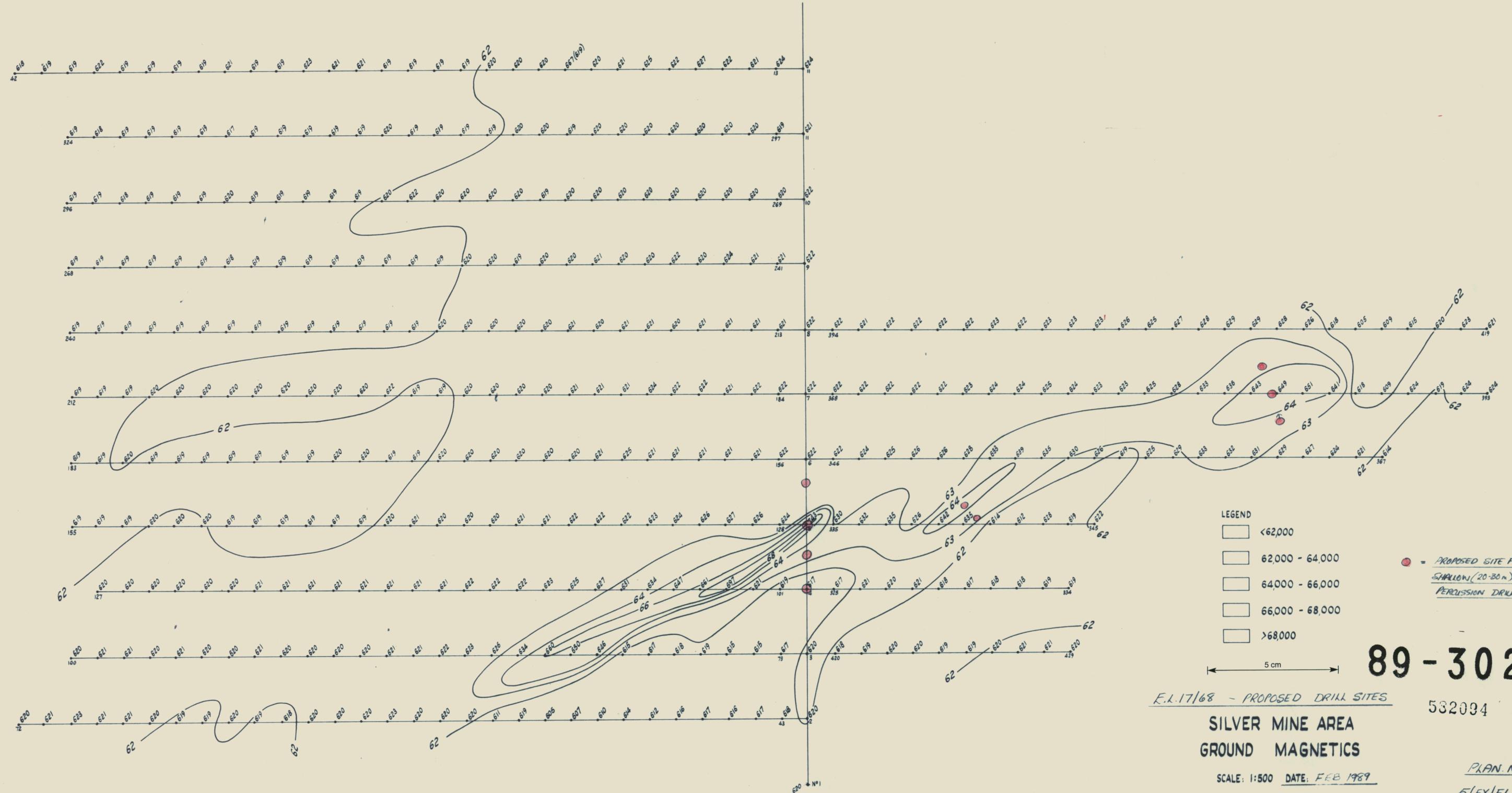
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DRILL SITE LOCATION PLAN

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SCALE 1:500.      DATE AUG. 1989      PLAN N° 4/EX/EL.





LEGEND

- <62,000
- 62,000 - 64,000
- 64,000 - 66,000
- 66,000 - 68,000
- >68,000

● - PROPOSED SITE FOR SHALLOW (20-30 m) PERCUSSION DRILLING

5 cm

E.L.17/68 - PROPOSED DRILL SITES

SILVER MINE AREA  
GROUND MAGNETICS

SCALE: 1:500 DATE: FEB 1989

89-3025

532094

PLAN. N°  
5/EX/EL

088

532095

APPENDIX A4

AMG COORDINATES - DRILLING  
PROGRAMME 1988 - 1989

TASMANIA MINES LIMITEDHAMPSHIRE MAGNETITE SKARN ZONE - E.L. 17/68AMG CO-ORDINATES - DRILLING PROGRAMME 1988/89

<u>Drill Hole No</u>	<u>Easting</u>	<u>Northing</u>	<u>Level</u>
HM.1	397879.608	5430299.732	486.874
HM.2	397862.831	5430327.571	487.426
HM.2A	397862.835	5430327.572	487.428
HM.3	397853.603	5430320.731	486.489
HM.3A	397851.441	5430320.830	486.255
HM.4	397868.106	5430333.710	488.282
HM.5	397863.407	5430337.301	488.185
HM.6	397864.936	5430347.238	488.482
HM.7	397858.195	5430344.791	487.891
HM.7A	397853.940	5430346.142	487.804
HM.8	397849.081	5430349.465	487.709
HM.9	397854.152	5430303.684	486.410
HM.10	397866.518	5430393.438	488.604
HM.10A	397863.364	5430394.636	488.602
HM.11	397873.271	5430377.563	489.288
HM.11A	397870.863	5430378.397	489.125
HM.12	397857.703	5430370.348	488.314
HM.13	397849.797	5430370.458	487.874
HM.14	397846.153	5430383.854	487.902
HM.15	397851.845	5430384.930	488.063
HM.16	397869.420	5430408.793	489.088
HM.16A	397866.261	5430409.929	489.023
HM.17	397860.772	5430402.566	488.320
HM.18	397852.656	5430395.407	487.945
HM.18A	397852.461	5430394.604	488.105
HM.19	397847.018	5430396.823	487.966
HM.19A	397847.232	5430395.716	487.960
HM.20	397855.772	5430408.566	488.320

HM.21	397862.542	5430414.028	487.562
HM.24	397867.963	5430420.216	489.163
HM.25	397856.146	5430419.607	488.650
HM.26	397863.365	5430435.907	488.611
HM.27	397860.147	5430447.419	488.318
HM.28	397853.099	5430332.243	487.074
HM.29	397849.303	5430341.385	487.250
HM.30	397850.146	5430355.970	487.803
HM.30A	397848.703	5430356.676	487.751
HM.31	397843.049	5430351.173	487.185
HM.32	397848.675	5430297.242	486.051
HM.32A	397848.751	5430291.120	485.942
HM.34	397844.141	5430303.119	486.153
HM.35	397867.448	5430319.599	487.381
HM.36	397859.795	5430315.659	486.726
HM.37	397852.660	5430311.701	486.416
HM.37A	397851.508	5430313.303	486.373
HM.38	397864.013	5430298.933	486.360
HM.38A	397866.097	5430300.835	486.611
HM.38B	397862.058	5430300.457	486.364
HM.39	397863.149	5430306.925	486.950
HM.40	397872.068	5430310.163	487.241
HM.41	397883.440	5430307.406	487.558
HM.42	397885.479	5430315.797	487.867
HM.43	397874.668	5430292.286	486.517
HM.44	397871.353	5430284.591	486.143