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78-1279

247001

**MICROFILMED**

McINTYRE MINES (AUSTRALIA) PTY. LTD.

QUARTERLY REPORT

TO

TASMINEX N.L.

EXPLORATION WITHIN E.L. 17/68

AND ASSOCIATED MINING LEASES

FOR THE PERIOD 5 MAY 1978 TO 4 AUGUST 1978

31st July, 1978

Burnie, Tasmania.

*Gustav C. Wolff*  
Gustav C. Wolff.

Distribution:

- Tasminex N.L. (1)
  - McIntyre, Toronto (1)
  - Burnie File (1)
  - Mines Department, (1)  
Hobart.
-

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DIAMOND DRILL LOGS

DDH 201A

DDH 202

DDH 203

DDH 204

DDH 205

DDH 206

DDH 207

DDH 208

DDH 209

DDH 210

DDH 211

ACCOMPANYING MAPS

Plan No.	Scale	Description
78/1 AX	1:500	Assay Section 6370 N
78/1 GX	1:500	Geological Section 6370 N
78/2 AX	1:500	Assay Section 6418 N
78/2 GX	1:500	Geological Section 6418 N
78/3 AX	1:500	Assay Section 6450 N
78/3 GX	1:500	Geological Section 6450 N
78/4 AX	1:500	Assay Section 5858 N
78/4 GX	1:500	Geological Section 5858 N
78/5 AX	1:500	Assay Section 5900 N
78/5 GX	1:500	Geological Section 5900 N
78/6 GX	1:500	Geological Section 5928
78/7 GX	1:500	Geological Section 5978 N
78/8 GX	1:500	Geological Section 6020 N
78/9 GX	1:500	Geological Section 5795 N
78/10 GX	1:500	Geological Section 6070 N
78/11 GX	1:500	Geological Section 6110
78/AM 1	1:10000	Aeromagnetic Total Intensity Contour E.L. 17/68
78/AM 2	1:10000	Aeromagnetic Total Intensity Contour E.L. 17/68
78/T 1	1:500	Topographic Plan - Kara - No. 1
78/T 3	1:500	Topographic Plan - Kara - No. 1
78/T 7	1:500	Topographic Plan - Eastern Ridge

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INTRODUCTION

McIntyre Mines (Aust) Pty. Ltd. and Tasminex N.L. entered into an Option Agreement concerning Exploration Licence 17/68 and Mining Leases 34M, 35M, 40M/76, 15M, 20M and 21M/77 on the 3rd of November 1977.

E.L. 17/68 was renewed on 4th November for six months through to 4th May 1978, and for a further six months to 4th November 1978. The renewal applications were supported by work programmes designed by McIntyre.

This report covers the period 5th May to 4th August 1978.

McIntyre's philosophical approach to its commitments under the terms of the Agreement has been discussed verbally with executives of Tasminex and is again summarized as follows:

To begin, an analysis was made of the available information, the bulk of which is contained in several reports, drill logs, core library, etc. resulting from exploration carried out by Anzeco. This analysis was normal routine to allow decisions to be made as to where the exploration dollars could be most effectively spent. Certain conclusions were reached, including:

i) The Anzeco geochemical (stream sediment) sampling was a good survey. Not all the anomalies had been fully tested. McIntyre checked their anomalies, with negative results.

ii) The Anzeco aeromagnetic survey was not sufficiently detailed for our purposes, being of a reconnaissance nature only. McIntyre flew the area in detail and with satisfactory results.

iii) The Anzeco drilling records did not give a clear picture of the geologic controls to mineralization, and in some cases (such as assays based on sludge samples), were imprecise.

We were not able to obtain a sufficiently clear picture of the geologic controls to mineralization, from the existing records, to justify immediately going into any wild cat drilling programme in some of the more remote areas of the E.L.

To help ensure a sound technical basis for what could well be a long term exploration programme, a decision was made to commence with geochemical grid sampling to check the Anzeco anomalies and the detailed airmag survey. These were to be followed by an effort to upgrade the information in the better known areas, and then commence diamond drilling. Two zones inside the E.L. were selected for a first drill test, Kara North and the Eastern Ridge zone. It was decided to drill Eastern Ridge, while good weather allowed access to that area.

A three hole programme (DDH 201, 202 and 203) was completed at Eastern Ridge to determine basic controls of mineralization, which in this area appeared to have some differences to those pertaining at Kara 1. The drill was then moved to the assumed northerly extension of the western limb of the Kara 1 zone, where previous drilling by Anzeco had been unsuccessful. Eight holes have been completed to report date in this zone. Assays are available for only two of the holes, and these results are shown on the DDH 204 and 205 assay sections enclosed, and in Table 1.

Resulting from this work McIntyre is now in a position to proceed with more confidence in the technical base for its continuing programme. This programme will involve further upgrading of the Anzeco data (and may involve some redrilling of previous Anzeco holes), as well as drilling in zones that were not tested by Anzeco.

Aspects of the programme that were advanced during the report period are summarized as follows:

1. Geochemistry

The geochemical sampling programme detailed in earlier reports was completed. Although the statistical analysis and plotting of results has not yet been completed, no obvious anomalies of immediate interest were located. A final report on this work will be compiled in due course.

2. Geological Mapping

Mapping during the quarter was confined to:

(i) The Tasminex pit. Prints showing the pit geology were delivered as each bench was mapped.

(ii) Mapping of exposures around the drilling sites. This information is shown on the attached geologic sections of the drill holes.

3. Aeromagnetics

Final contoured plans were delivered by the contractor during the quarter. Copies are attached as plates 78/AM 1 and 78/AM 2. These data have been used in conjunction with known geology to assist in the location of drill sites, but a full interpretation has not yet been undertaken.

4. Geologic Maps and Sections, Core Logging, etc.

Relogging of Anzeco drill core was continued during the quarter, and is now mostly completed. Some of the resulting logs are necessarily a mix of McIntyre and Anzeco data, where there is an incomplete core record.

The build up of new sectional information is progressing in line with the McIntyre drilling, and the relogging has assisted in determining where future drilling can be most effectively located.

Copies of the new logs and sections will be forwarded progressively as the information on any group of drill holes is completed. In the meantime, any specific logs that Tasminex may require are available on request.

One important feature that came out of the pit mapping and core logging is that these skarns commonly dip steeply west, and are apparently not disposed in a shallow syncline with a steep western limb, as previously believed.

DIAMOND DRILLING

Plates 78/T1 to 78/T3 inclusive show the general location of the drill holes completed in the report periods. Of these, three (DDH 201, 202, 203) were drilled in the Eastern Ridge zone; and the remainder on a northerly extension of the western limb of the Kara zone.

The status of the information currently available on each of these holes is tabulated below.

<u>Hole No.</u>	<u>Logging Completed</u>	<u>¼ Core Assays Completed</u>	<u>Assays Awaited</u>
201	*	*	
202	*	*	
203	*	*	
204	*	*	
205	*	*	*
206	*		*
207	*		*
208	*		*
209	*		*
210	*		*
211	Logging in Progress		
212	Not yet drilled		
213	Drilling in progress		

Assay and geologic sections are attached for holes 201 to 205 inclusive; and geologic sections only, for the remainder. A full summary of assay data for completed holes is attached as Table 1.

Please note that some additional core has been split for assay in 201 to 205 inclusive. These results will be added to the assay sections when they become available. However it is not expected they will materially influence the results.

We point out that the assays were carried out on a sawn quarter of the core. One quarter is retained in the trays as a record, and one half has been bagged in the same splits used for assaying, and forwarded to the Colorado School of Mines, U.S.A., for metallurgical study.

The metallurgical samples will also be assayed: and it is important to appreciate that the crystal size variation and distribution of the scheelite in the skarns is such that it is almost certain that the assays on quarter core and half core will not agree in detail. When the half core assays are received they will be averaged with the quarter core results and a final core assay figure derived.

For the above reasons the assay sheets accompanying this report are clearly marked "PRELIMINARY".

Assay information on accessories such as Sn, Mo, Pb, etc. will also be added to the sheets as they come to hand. Copies of the assay certificates are available from McIntyre as required.

We also emphasize that although the results of this new diamond drilling to date have been encouraging to the extent that the holes have either confirmed previously known mineralization as at the Eastern Zone (holes 201, 202, 203), and have intersected previously unknown mineralization (holes

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204 and 205 on the western limb of the Kara 1 zone), none of these holes, either singly or collectively, can yet be used for any assessment of geological reserves. Continuity along strike and in the plane (dip) of the mineralization has not been established, additional assay information (from half core) is not yet available, and confirmatory and fill in holes have yet to be drilled.

A drill spacing on section lines 40 metres apart was used. All holes were drilled on grid east at angles of between  $40^{\circ}$  and  $55^{\circ}$ .

#### FUTURE PROGRAMME

The planning for the next quarter includes:

- i) Additional diamond drilling (using two drill rigs). Most of these holes are designed to test new zones or extensions to known zones of mineralization. However, possibly six holes will be required to confirm Anzeco results in important areas.
- ii) Relogging the Anzeco core will be completed.
- iii) Surface mapping will be continued.
- iv) Metallurgical studies on McIntyre core will be commenced.

TABLE 1

Summary of Drill Intercepts(1) Eastern Ridge

Hole No:	From (m)	To (m)	Drilled Interval (m)	% W	Approximate Horizontal Width (m)
<u>DDH 201A</u>	35.0	43.0	8.0	0.83	5.0
	71.0	74.0	3.0	0.16	1.9
<u>DDH 202</u>	74.0	84.6	10.6	1.17	6.0
	105.0	109.0	4.0	0.26	2.25

A further interval of 1.0m separated by 4.0m averaging 0.07%W assayed as follows:

	113.0	114.0	1.0	1.30	0.55
<u>DDH 203</u>	75.0	86.0	11.0	0.81	6.9
	112.0	119.9	7.0	0.20	4.5

These holes were drilled at 50° bearing east. DDH 202 was collared 46 m.north and DDH 203 was collared 80m. north of DDH 201A respectively.

(2) Western Contact

<u>DDH 204</u>	41.0	73.0	32.0	0.68	20.5
<u>DDH 205</u>	51.0	56.0	5.0	0.49	2.9
	70.0	77.0	7.0	1.14	4.0

These holes lie on the Western Contact north of Kara 1, and were drilled at 50° and 55° respectively bearing east. DDH 205 is 41m. north of DDH 204

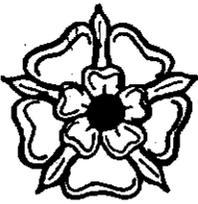
APPENDIX 1Statement of Expenditure to August 3rd, 1978

Office Expenses	15,127.89
General Field Work	16,180.73
Road Construction	838.27
Accommodation, Supplies	16,117.77
Line Cutting	8,059.36
Geology	10,522.19
Trenching	160.00
Airborne Geophysics	23,294.58
Ground Magnetometer	131.87
Geochemistry	17,550.65
Assays	1,303.82
Transportation	31,849.53
Diamond Drilling	116,032.08
Surveying	5,157.50
Legal Fees	3,834.31
Consulting Geologists	27,499.90
Geophysical Consulting	972.80
Insurance	716.94
	<hr/>
Total to 3rd August 1978	295,350.19
Expenditure to 3 May 1978	130,000.95
Expenditure for Quarter to 3 August 1978	165,349.24

APPENDIX 2

Assay Certificates

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247013

A.C.S. Laboratories Pty. Ltd.  
 50 MARY STREET  
 UNLEY, S.A. 5061  
 P.O. BOX 3  
 UNLEY, S.A. 5061  
 PHONE: 272 5733

**ANALYTICAL RESULTS**

Samples from: McIntyre Mines (Aust) P/L

Area: Tasmania

Samples of: Drill Core

Preparation: Crushed and Pulverized

Batch No.: A2515

Sheet No.: 1

Date: 18.7.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Sn ppm	W ppm	Pb ppm	Bi ppm	% W <sub>2</sub> O <sub>3</sub>
#204 21101	1390	2530	180	90	.32 ✓
02	200	2830	80	40	.36 ✓
04	220	2550	240	280	.32 ✓
05	190	840	180	50	.11 ✓
07	230	6770	260	180	.85 ✓
08	300	2460	260	150	.31 ✓
09	300	3240	200	80	.41 ✓
21113	310	4440	80	120	.56 ✓
14	270	820	120	<20	.10 ✓
17	1900	1590	240	180	.20 ✓
18	750	2850	260	110	.36 ✓
#205 21168	680	2240	200	130	.28 ✓
69	760	910	240	140	.11 ✓
70	730	5590	220	200	.70 ✓
71	350	48320	180	110	6.09 ✓
72	300	8950	100	90	1.13 ✓
73	360	13460	140	120	1.70 ✓
74	470	8880	220	190	1.12 ✓
75	500	9510	160	180	1.20 ✓
76	520	2860	120	130	.36 ✓
77	570	2540	300	200	.32 ✓
78	370	1800	180	140	.23 ✓
79	180	1690	90	300	.21 ✓
80	200	1950	100	320	.25 ✓
81	390	1210	220	80	.15 ✓
82	200	720	50	30	.09 ✓
83	270	270	160	60	.03 ✓
84	490	260	40	70	.03 ✓
85	210	130	160	<20	.02 ✓
86	550	230	140	90	.03 ✓
#207 21204	<20	<20	60	40	Tr ✓
05	2060	1790	380	1450	.23 ✓
06	1860	6060	240	750	.76 ✓
07	1850	2470	200	480	.31 ✓
08	2150	1150	120	140	.14 ✓
09	1350	730	180	200	.09 ✓
11	290	<20	140	60	Tr ✓
15	330	<20	160	160	Tr ✓
17	240	<20	120	40	Tr ✓
18 D1127	200	<20	160	<20	Tr ✓
19	220	520	160	50	.06 ✓
20	180	<20	200	60	Tr ✓
21	220	24	140	170	Tr ✓
22	270	<20	100	<20	Tr ✓
23	360	<20	220	<20	Tr ✓
24	320	50	120	<20	Tr ✓
25	270	<20	80	110	Tr ✓
21226	240	39	120	<20	Tr ✓
Repeat and Check					
21170			240	200	
21209			180	190	

ANALYTICAL METHODS:

DISTRIBUTION:

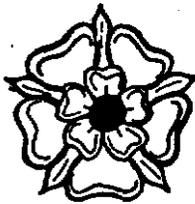
Signed

*[Handwritten Signature]*



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247014

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PHONE: 272 5733

## ANALYTICAL RESULTS

Samples from: McIntyre Mines (Aust.) Pty. Ltd.,

Area: Burnie. Tas.

Samples of: core

Preparation: crush, pulverise

Batch No.: A 2504

Sheet No.: 1

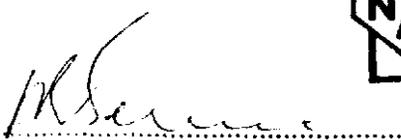
Date: 10.7.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	% WO <sub>3</sub>
#204 21129 ✓	140	490	300	10780	1.36 ✓
30 ✓	140	290	170	9660	1.21 ✓
1 ✓	90	<20	270	49730	6.27 ✓
2 ✓	140	90	230	2520	.32 ✓
3 ✓	140	90	320	1640	.21 ✓
4 ✓	180	40	340	740	.09 ✓
5 ✓	200	60	200	91840	11.58 ✓
6 ✓	140	80	270	2290	.29 ✓
7 ✓	160	<20	400	4840	.61 ✓
8 ✓	180	30	430	3320	.41 ✓
9 ✓	160	20	280	510	.06 ✓
40 ✓	140	100	340	660	.08 ✓
1 ✓	140	120	280	370	.05 ✓
2 ✓	180	140	380	750	.09 ✓
3 ✓	260	150	410	<10	Tr ✓
4 ✓	120	100	140	<10	Tr ✓
5 ✓	100	60	130	<10	Tr ✓
6 ✓	200	100	160	<10	Tr ✓
7 ✓	160	<20	74	<10	Tr ✓
8 ✓	120	90	91	<10	Tr ✓
9 ✓	180	50	150	200	.02 ✓
50 ✓	90	20	190	80	.01 ✓
#205 1 ✓	40	80	110	650	.08 ✓
2 ✓	80	60	130	360	.04 ✓
3 ✓	140	<20	340	270	.03 ✓
4 ✓	40	30	600	82	.01 ✓
5 ✓	120	<20	680	110	.01 ✓
6 ✓	120	110	370	980	.12 ✓
7 ✓	140	80	450	13500	1.70 ✓
8 ✓	120	30	470	2660	.33 ✓
9 ✓	100	380	480	20450	2.58 ✓
60 ✓	140	20	350	4590	.58 ✓
1 ✓	220	<20	390	2080	.26 ✓
2 ✓	200	<20	270	1260	.16 ✓
3 ✓	220	<20	270	3900	.49 ✓
4 ✓	180	20	480	600	.07 ✓
5 ✓	300	340	260	1290	.16 ✓
6 ✓	240	<20	280	630	.08 ✓
7 ✓	220	210	310	1080	.14 ✓
#201A 21187 ✓	120	<20	840	440	.05 ✓
88 ✓	120	<20	830	470	.06 ✓
89 ✓	180	<20	660	170	.02 ✓
90 ✓	160	<20	1470	280	.03 ✓
1 ✓	100	<20	1430	120	.01 ✓
2 ✓	160	<20	540	270	.03 ✓
3 ✓	20	<20	210	4160	.52 ✓
4 ✓	60	<20	55	230	.03 ✓
5 ✓	90	<20	210	570	.07 ✓
6 ✓	240	100	230	330	.04 ✓
7 ✓	240	60	210	40	Tr ✓

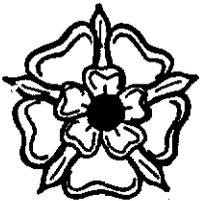
ANALYTICAL METHODS: Pb Bi by AAS  
Sn W by XRF

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UNLEY, S.A. 5081

PHONE: 272 5733

# ANALYTICAL RESULTS

Samples from: McIntyre Mines (Aust.) Pty. Ltd.

Area: Burnie, Tas

Samples of: core

Preparation: crush, pulverise

Batch No.: A 2504

Sheet No.: 2

Date: 10.7.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	% W <sub>03</sub>
#201A 21198 ✓	20	50	18	160	.02 ✓
9 ✓	20	<20	<10	70	.01 ✓
200 ✓	90	<20	<10	60	.01 ✓
#202 1 ✓	160	80	120	1590	.20 ✓
2 ✓	<20	<20	31	480	.06 ✓
21203 ✓	20	<20	<10	150	.02 ✓
Repeat and check					
21140	160	110			
21189	160	<20			

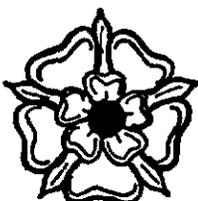
ANALYTICAL METHODS: Pb Bi by AAS  
Sn, W by XRF

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 PHONE: 272 5733

# ANALYTICAL RESULTS

Samples from: McIntyre Mines

Area:

Samples of: core

Preparation: dry, crush, quarter, pulverise

Batch No.: A 2496

Sheet No.: 2

Date: 10.7.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Au ppb				
21100 ✓	60	<20					
03 ✓	280	<20					
06 ✓	320	1400					
10 ✓	100	<20					
11 ✓	140	160					
12 ✓	70	<20					
15 ✓	60	60					
19 ✓	320	50					
20 ✓	260	390					
21 ✓	220	690					
22 ✓	120	60					
23 ✓	100	20					
24 ✓	80	20					
25 ✓	200	<20					
26 ✓	140	<20					
27 ✓	60	140					
21128 ✓	200	120					
Repeat and check 21120	140	380					
21087 ✓			△10				
8 ✓			△10				
9 ✓			△10				
91 ✓			△10				
2 ✓			10				
3 ✓			△10				
4 ✓			△10				
5 ✓			△10				
6 ✓			10				
7 ✓			△10				
8 ✓			△10				
9 ✓			△10				
21100 ✓			△10				
Duplicate 21095			△10				

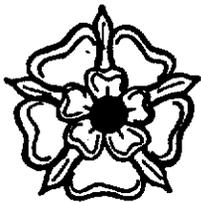
ANALYTICAL METHODS: Pb Bi by AAS  
 Au by CRA/AAS



DISTRIBUTION Burnie, Tas.

Signed *[Signature]*

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247017

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PHONE: 272 5733

# ANALYTICAL RESULTS

Samples from: McIntyre Mines (Aust.) Pty. Ltd.,

Area:

Samples of: core

Preparation: crush, quarter, pulverise

Sheet No.: 1

Batch No.: A 2488, 2496, 2515 *Copy*

Date: 2.8.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	% WO <sub>3</sub>		
#203 21054	60	70	95	11	Tr	✓	
5	100	70	93	770	.10	✓	
6	80	20	420	950	.12	✓	
7	120	110	630	10580	1.33	✓	
8	100	140	890	11240	1.42	✓	
9	120	310	920	4670	.59	✓	
60	90	80	610	9020	1.14	✓	
1	70	<20	950	7530	.95	✓	
2	70	100	870	11810	1.49	✓	
3	80	150	950	15180	1.91	✓	
4	120	90	1370	23440	2.95	✓	
5	70	50	2470	4370	.55	✓	
6	80	20	2010	4590	.58	✓	
7	60	20	2360	2000	.25	✓	
8	70	40	2740	1330	.17	✓	
9	40	40	1530	440	.05	✓	
70	80	<20	1310	3310	.42	✓	
1	70	50	1090	2610	.33	✓	
2	50	70	750	1000	.13	✓	
3	60	20	1900	1170	.15	✓	
4	80	90	1320	630	.08	✓	
5	80	70	460	930	.12	✓	
6	100	60	130	480	.06	✓	
7	100	<20	96	180	.02	✓	
8	<20	40	110	400	.05	✓	
9	20	<20	310	1460	.18	✓	
80	30	<20	820	2060	.26	✓	
1	60	60	390	1490	.19	✓	
2	40	<20	610	1510	.19	✓	
3	40	40	1680	950	.12	✓	
4	160	100	1780	1080	.13	✓	
5	80	140	2790	5320	.67	✓	
6	600	290	210	230	.03	✓	
7	120	<20	150	150	.02	✓	
8	120	40	340	29	Tr	✓	
9	60	<20	330	<10	Tr	✓	
90	Sample missing						
1	160	60	240	26	Tr	✓	
2	100	<20	140	<10	Tr	✓	
3	120	80	92	<10	Tr	✓	
4	120	100	140	19	Tr	✓	
5	100	80	100	<10	Tr	✓	
6	100	60	100	<10	Tr	✓	
7	100	<20	99	<10	Tr	✓	
8	80	60	240	<10	Tr	✓	
9	90	80	99	<10	Tr	✓	
21100	<20	<20	<10	<20	Tr	✓	
1	180	90	1390	2530	.32	✓	
2	80	40	200	2830	.36	✓	
#204 21103	280	<20	190	1630	.20	✓	

ANALYTICAL METHODS: Pb Bi by AAS  
Sn W by XRF

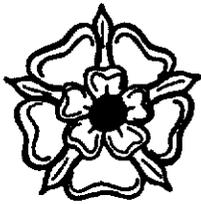


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247018

A.C.S. Laboratories Pty. Ltd.

50 MARY STREET

UNLEY, S.A. 5081

P.O. BOX 3

UNLEY, S.A. 5081

PHONE: 272 5733

## ANALYTICAL RESULTS

Samples from: McIntyre Mines (Aust.) Pty. Ltd.,

Area:

Samples of: core

Preparation:

Batch No.: A 2488, 2496, 2515

Sheet No.: 2

Date: 2.8.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	% WO <sub>3</sub>
21104	240	280	220	2550	.32 ✓
5	180	50	190	840	.11 ✓
6	320	1440	120	4280	.54 ✓
7	260	180	230	6770	.85 ✓
8	260	150	300	2460	.31 ✓
9	200	80	300	3240	.41 ✓
10	100	<20	250	2930	.37 ✓
11	140	160	590	8090	1.02 ✓
12	70	<20	490	15820	1.99 ✓
13	80	120	310	4440	.56 ✓
14	120	<20	270	820	.10 ✓
15	60	60	40	350	.04 ✓
16	160	140	220	730	.09 ✓
17	240	180	1900	1590	.20 ✓
18	260	110	750	2850	.36 ✓
19	320	50	300	14080	1.77 ✓
20	260	390	1710	6830	.86 ✓
21	220	690	570	15450	1.95 ✓
22	120	60	1070	13810	1.74 ✓
23	100	20	440	1620	.20 ✓
24	80	20	300	53800	6.78 ✓
25	200	<20	320	10670	1.34 ✓
26	140	<20	300	28100	2.54 ✓
27	60	140	200	31670	3.99 ✓
21128	200	120	260	3030	.38 ✓

ANALYTICAL METHODS: Pb Bi by AAS  
Sn W by XRF

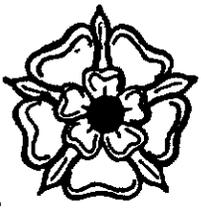


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A.C.S. Laboratories Pty. Ltd.  
 50 MARY STREET  
 UNLEY, S.A. 5061  
 P.O. BOX 3  
 UNLEY, S.A. 5061  
 PHONE: 272 5733

# ANALYTICAL RESULTS

Samples from: McIntyre Mines

Area:

Samples of: cores, rock

Preparation: dry, crush, quartered

Sheet No.: 1

Batch No.: A 2483

Date: 23.6.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

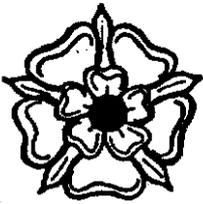
	Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	W %	%WO <sub>3</sub>
#201A	21001 ✓	70	60	580	83		.01 ✓
	2 ✓	30	60	830		1.4	1.76 ✓
	3 ✓	100	90	710		2.1	2.65 ✓
	4 ✓	60	<20	1200		0.1	.13 ✓
	5 ✓	80	80	650		0.12	.15 ✓
	6 ✓	80	50	470		0.35	.44 ✓
	7 ✓	120	190	610		0.93	1.17 ✓
	8 ✓	90	80	1520		1.2	1.51 ✓
	9 ✓	100	110	1320		0.47	.59 ✓
	10	70	20	280		0.03	.04 ✓
#202	1 ✓	70	70	310		0.08	.10 ✓
	2 ✓	120	20	230		0.14	.18 ✓
	3 ✓	50	30	310		0.10	.13 ✓
	4 ✓	80	100	250		0.25	.32 ✓
	5 ✓	50	<20	44		0.04	.05 ✓
	6 ✓	40	30	62	62		Tr ✓
	7 ✓	40	40	57	83		.01 ✓
	8 ✓	60	30	57		0.02	.03 ✓
	9 ✓	50	50	150		0.02	.03 ✓
	20 ✓	70	50	75		0.02	.03 ✓
	1 ✓	30	<20	110		0.02	.03 ✓
	2 ✓	20	<20	61	42		Tr ✓
	3 ✓	20	<20	83	94		.01 ✓
	4 ✓	80	<20	220	21		Tr ✓
	5 ✓	90	40	1270		0.09	.11 ✓
	6 ✓	120	20	1160		0.07	.09 ✓
	7 ✓	80	<20	1530		0.02	.03 ✓
	8 ✓	60	<20	510		0.01	.13 ✓
	9 ✓	60	<20	650	52		Tr ✓
	30 ✓	80	20	720		0.12	.15 ✓
1 ✓	60	<20	450		0.17	.21 ✓	
2 ✓	70	20	430		0.03	.04 ✓	
3 ✓	90	200	430		0.81	1.02 ✓	
4 ✓	140	580	600		2.2	2.77 ✓	
5 ✓	80	280	1020		0.61	.77 ✓	
6 ✓	40	20	1000		0.49	.62 ✓	
7 ✓	70	20	320		0.21	.26 ✓	
8 ✓	50	50	340		0.09	.11 ✓	
9 ✓	50	<20	830		0.30	.38 ✓	
40 ✓	40	100	1510		0.23	.29 ✓	
1 ✓	80	70	1580		3.30	4.16 ✓	
2 ✓	80	130	2440		2.10	2.65 ✓	
3 ✓	100	90	2920		3.50	4.41 ✓	
4 ✓	80	70	1050		0.32	.40 ✓	
5 ✓	80	100	1030		0.19	.24 ✓	
6 ✓	120	130	740		0.33	.42 ✓	
7 ✓	160	180	570		0.22	.28 ✓	
8 ✓	60	<20	730		0.15	.19 ✓	
9 ✓	20	<20	68		0.02	.03 ✓	
21050 ✓	220	50	140		0.06	.08 ✓	

ANALYTICAL METHODS: Pb, Bi by AAS  
 Sn, W by XRF

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247020

A.C.S. Laboratories Pty. Ltd.

50 MARY STREET

UNLEY, S.A. 5081

P.O. BOX 3

UNLEY, S.A. 5081

PHONE: 272 5733

## ANALYTICAL RESULTS

Samples from: McIntyre Mines

Area:

Samples of: cores, rock

Preparation:

Batch No.: A 2483

Sheet No.: 2

Date: 23.6.78

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Pb ppm	Bi ppm	Sn ppm	W ppm	W %	WO <sub>3</sub> %
202 21051	60	40	290		0.04	.05 ✓
21052	20	50	300		1.30	1.64 ✓
21053	60	520	1800		0.09	.11 ✓
Repeat and Check						
21010	80	20				
21040	50	90				
21050	200	40				
PIT SAMPLES 21501			210		0.34	.43
2			140		0.04	.05
3			320		0.06	.08
4			590		0.04	.05
5			130		0.11	.14
6			410		0.29	.37
7			180		0.34	.43
8			690		0.03	.04
9			190		0.03	.04
10			1170		0.81	1.02
11			270		0.23	.29
12			160		0.05	.06
13			370		0.03	.04
14			350		0.03	.04
15			1180		0.06	.08
16			320		0.03	.04
17			230		0.02	.03
18			870		0.06	.08
19			430		0.26	.33
20			940		0.14	.18
21			370		0.45	.57
22			120		0.95	1.20
23			470		0.02	.03

ANALYTICAL METHODS: Pb Bi by AAS  
Sn, W by XRF

DISTRIBUTION:

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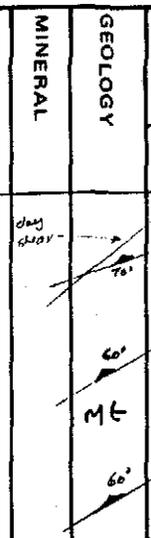
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Length 94.5 m  
 Azimuth 090° UTM  
 Dip at Collar 50°  
 Northing 5426369.78  
 Easting 397706.13  
 Elev. 497.54 m  
 Contractor LONGYEAR  
 Core Stored  
 Casing Logged by G. Wolff  
 Date 20/6/79  
 Started 15th Nov 78  
 Finished 21 May 1978  
 Hole No. DDH R01A  
 Project THEMIST GORAN  
 Area MAR EAST RIDGE  
 OB Thickness Started  
 EXPLOREATION DEPARTMENT  
**MCINTYRE**  
 MINES (AUST) P.L.  
 Project THEMIST GORAN  
 Area MAR EAST RIDGE

SURVEY	MINERALISATION					GEOLOGY												
	Depth	20"	40"	60"	80"	94"												
	Dip	51°	51°	51°	52°	52°												
	Azimuth	—																
GEOLOGY MINERAL STRUCTURE COLOUR & COLOUR CODE U.V. RESPONSE % SCHEELITE % VISUAL SCHEELITE SCALE	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68
	21001	21002	21003	21004	21005	21006	21007	21008	21009	21193	21194							
	34	35	36	37	38	39	40	41	42	43	44	45						
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0						
	0.05 ppm	0.06	0.08	0.10	0.12	0.15	0.18	0.20	0.25	0.30	0.35	0.40						
	70	30	100	60	80	80	120	90	100	20	60	220						
	60	60	90	420	80	50	140	80	110	220	220							
	3%	4%		Tr.	5%	4%	5%	Tr.	Tr.									
	1st. zone to 36.8m yellow-brown 510/510/510 blks. Ni-40 510/510																	
	1st. zone to 40.5m yellow-brown 510/510/510 blks. Ni-40 510/510																	
1st. zone to 42.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 44.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 45.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 46.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 47.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 48.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 49.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
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1st. zone to 61.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
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1st. zone to 63.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 64.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 65.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 66.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 67.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		
1st. zone to 68.0m yellow-brown 510/510/510 blks. Ni-40 510/510																		

Coarse scheelite 35.2 to 36.8 as irregular blebs to 1cm, and finely disseminated along foliation. No oxidation of blebs.  
 Trace fine scheelite 36.8-40.5, finely disseminated along foliation throughout coarse garnet-magnetite schist. No oxidation of scheelite.  
 Coarse scheelite to 2cm and finely disseminated throughout along foliation to 1-2mm. 40.0 to 42.0. No oxidation of scheelite.  
 Trace fine scheelite.  
 EPIDOTE-MAGNETITE QUARTZITE  
 Essentially a quartzite with 10-20% interstitial epidote, 5-10% coarse magnetite as blebs to 1cm, partly aligned on foliation 60°. Highly fractured throughout, three main fracture planes at 45°, 30° and a minor set 70°. Varying oxidation throughout, from minor goethite rimming magnetite to goethite and clay in epidote zones. Fracture planes have clay-goethite, numerous areas of interstitial clay.  
 57.0-61.0 generally a sandy quartzite clay after epidote quartzite, 5% disseminated goethite-hematite after magnetite.  
 65.5-66.7 moderate green-yellow (10/6/6) clay with epidote, 2% quartz, 2% magnetite weak foliation throughout at 60-65°, may be relict bedding. Almost obscured by strong fracture-joint planes.  
 No visible mineralization. Negative U/V response throughout.  
 No visible mineralization.  
 5 cm scale bar  
 67.40





## DRILL HOLE RECORD

HOLE NO: DDH 202

(1) Hole Data

Location : Kara Prospect (21081) Tasmania. Eastern Ridge  
Co-ordinates : 5526416.15 N 397683.15 E 511.33 m. ASL  
Bearing : 090° U.T.M. grid  
Dip : 55°  
Length : 126.30 m.  
Started : 22nd May, 1978  
Completed : 29th May, 1978  
Logged by : G.C. Wolff

(2) Objective

DDH 202 was a step-out hole 46 m. north of DDH 201A, which encountered significant tungsten mineralization.

(3) Results

Two mineralized intervals, were intersected as follows:

From (m)	To (m)	Interval	%W	Approx. Horizontal width (m)
74.0	84.6	10.6	1.17	6.0
105.0	109.0	4.0	0.26	2.25

A further core length assayed as follows:

113.0	114.0	1.0	1.30	0.55
-------	-------	-----	------	------

This lower interval lies above the lower quartzite and is separated from the previous low grade run by 4.0 m. averaging 0.07% W.

(4) Conclusions

Good correlation is evident between both lithology and mineralization in holes 201A, 46 m. south, and DDH 202. Scheelite occurs in 202 at the base of the upper skarn unit, immediately above quartzite, in a magnetite rich zone, and in a similar position in the lower skarn unit.

"Karalite" was noted rimming scheelite in the upper skarn, which is heavily oxidized throughout. Possibly 10% of visible mineralization occurs as "Karalite". No alteration of scheelite was noted in the lower, unoxidized skarn.

A further hole is proposed to further extend the strike extent through ANZECO hole DH 150, which carried low values in two skarn units.

Summary Log

<u>From</u>	<u>To</u>	<u>Description</u>
0	11.0	<u>Clay</u> , relict banding. Abundant goethite after magnetite. Probably clay ex Epidote Magnetite Skarn.
11.0	35.50	<u>Olivine Basalt</u> , highly weathered to 15.3 m, strong weathering on joint planes only thereafter.
35.50	43.30	<u>Sandstone Breccia</u> , weakly bedded 65°.
43.30	65.50	<u>Epidote Actinolite Magnetite Skarn</u> - essentially a fine grained Epidote rock with minor actinolite and magnetite. Strong to moderately oxidized throughout.
65.50	84.10	<u>Magnetite Epidote Garnet Diopside Skarn</u> - 60% weakly to moderately oxidized magnetite, locally bands of grossular garnet to 10 - 20 cm. Scheelite mineralization from 68 m. as finely disseminated blebs to 1.0 m, with very coarse scheelite 75.2 to 76.1 m. 10% alteration to "Karalite" as rims on crystals, and on fracture planes. Few coarse blebs of scheelite from 82 m, magnetite and epidote strongly oxidized.
84.10	95.70	<u>Quartzite</u> , coarse grained, highly fractured and broken.
95.70	114.80	<u>Epidote Diopside Garnet Magnetite Skarn</u> - A strongly weathered Epidote grossular garnet rock with relict Diopside and Magnetite. Fine scheelite throughout, weakly fluorescent. Very coarse blebs fractured scheelite from 113.0 to 114.3 m, no "Karalite"
114.80	124.00	<u>Epidote Quartzite</u> , fine grained retextured quartzite, 40% epidote, trace grossular garnet.
124.00	126.30	<u>Biotite Granite</u> , silicified to 124.30 m.
		End of Hole 126.30

REP (c) recovery - consider >90% except as noted  
 (WX) weathering - consider fresh rock except as noted; WX indicates clayey, limonitic material.

026

Section 6416 N					PPM				AVERAGE			AVERAGE		
SAMP NO.	REC WX	INTERVAL	LGTH	ASSAY % WO <sub>3</sub>	Sn	Mo	Pb	Bi	INVL	LGTH Int-%	WT AY. AR	INVL	LGTH Int-%	WT AY. AR
15		49-50	1	.05	44		50	<20						
16		50-51	1	Tr	62		40	30						
17		51-52	1	.01	57		40	40						
18		52-53	1	.03	57		60	30						
19		53-54	1	.03	150		50	50						
20		54-55	1	.03	75		50	30						
/	/	/	/	/	/									
21		62-63	1	.03	110		30	<20						
22		63-64	1	TR	61		20	<20						
23		64-65	1	.01	83		20	<20						
24		65-66	1	TR	220		80	<20						
25		66-67	1	.11	1270		90	40						
26		67-68	1	.09	1160		120	20						
27		68-69	1	.03	1530		80	<20						
28		69-70	1	.13	510		60	<20						
29		70-71	1	Tr	650		60	<20						
30		71-72	1	.15	720	51	80	20						
31		72-73	1	.21	450	97	60	<20						
32		73-74	1	.04	430		70	20						
33		74-75	1	1.02	430	240	90	200	74-85	11.0	1.43			
34		75-76	1	2.77	600	760	140	580						
35		76-77	1	.77	1020	190	80	280						
36		77-78	1	.62	1000	250	40	20						
37		78-79	1	.26	320	170	70	20						
38		79-80	1	.11	340		50	50						
39		80-81	1	.32	830	97	50	<20						
CORE LGTH	WIDTH	AVE.	INVL	CORE LGTH	WIDTH	AVE.	INVL	CORE LGTH	WIDTH	AVE.	INVL	CORE LGTH	WIDTH	AVE.
110		1.43												
		0.34												

247027

Q-30 SPLIT 1/4  
 NO. 30-126.3  
 PREP

LAB A.C.S

DDH 2063  
 202

027  
 247028

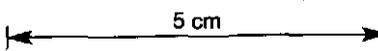
(REC) recovery - consider >90% except as noted  
 (WX) weathering - consider fresh rock except as noted; wx indicates clayey, limonitic material.

Section 6416										AVERAGE			AVERAGE		
SAMP NO.	REC WX	INTERVAL	LGTH	ASSAY % 100g	PPM				INVL	LGTH Σm%	WT AR	INVL	LGTH Σm%	WT AR	
					Sn	Mo	Pb	Bi							
210-40		81-82	1	.29	1510	43	40	100							
41		82-83	1	4.16	1580	100	80	70							
42		83-84	1	2.65	2440	630	80	130							
43		84-84.6	0.6	4.41	2920	690	100	90							
212-01		84.6-85	0.4	.20	120	36	160	80							
02		85-86	1	.06	31		420	420							
03		86-87	1	.02	<10		20	420							
04		87-88	1	Tr	420		60	40							
/ / / / / / / / / /															
213-69		96-97	1	.17	2250	65	240	750							
70		97-98	1	.07	730	420	120	640							
71		98-99	1	.04	1080	420	400	1800							
72		99-100	1	.04	1200	420	160	510							
212-05		100-101	1	.23	2060	72	380	1450	100-114	14.0 <sup>m</sup>	0.34	100-110	10.0 <sup>m</sup>	0.50	
06		101-102	1	.76	1860	62	240	750	Σ 4.86						
07		102-103	1	.31	1850	37	200	480							
08		103-104	1	.14	2150	420	120	140							
09		104-105	1	.09	1350		180	790							
210-44		105-106	1	.40	1050	28	80	70							
45		106-107	1	.24	1030	420	80	100							
46		107-108	1	.42	740	26	120	130							
47		108-109	1	.28	570	420	160	180							
48		109-110	1	.19	730	420	60	420							
49		110-111	1	.03	68		20	420				110-114	4.0 <sup>m</sup>	0.45	
50		111-112	1	.08	140		220	50							
51		112-113	1	.05	290		60	40							
INVL	CORE LGTH	CORE WIDTH	Avg.	INVL	CORE LGTH	CORE WIDTH	Avg.	INVL	CORE LGTH	CORE WIDTH	Avg.	INVL	CORE LGTH	CORE WIDTH	Avg.

PROJECT

DDH



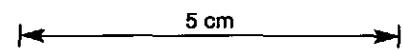
SURVEY	MINERALISATION							GEOLOGY							
	Depth	0	20	40	60	80	100	130 <sup>m</sup>							
	Dip	50°	50°	51°	51°	51°	50°	50°							
	Azimuth														
	<p><u>NO CORE RECOVERED</u> Sludge clay at Basalt</p> <p>4.70<sup>m</sup></p> <p><u>CLAY EX OLIVINE BASALT</u> Stiff puggy goethite-rich clay Relict basalt texture throughout Few fragments unweathered olivine basalt around 6.5<sup>m</sup> Numerous slip shear planes at various 90° - possibly original joint planes</p> <p>No visible mineralization. Negative U/V response</p> <p>contact obscure</p> <p>31.85<sup>m</sup></p>														
															

Length 130.70<sup>m</sup>  
 Azimuth 000° UTM  
 Dip at Collar 50°  
 Northing 542649.68  
 Easting 392687.40  
 Elev. 518.55<sup>m</sup>  
 Contractor Logan  
 Core 0.21 HA  
 Casing 41.25  
 Logged by G. G. G.  
 Date 8 JUNE 1978  
 Location  
 Stored KARA YARD  
 Started 30 June  
 Finished 7 June  
 Hole No. D04 203  
 Project Tasmanian Oxiron  
 Area Kara East Ridge  
 EXPLOARATION DEPARTMENT  
**MCINTYRE**  
 MINES (AUST) P/L.

SCALE	ASSAYS	
RECOVERED	% W	
0		
2		
4		
5.7	0.6	
6.6	1.1	
7.8	1.2	
9.0	1.0	
9.9	1.0	
11.0	1.1	
12.0	1.2	
13.1	1.1	
14.0	0.5	
14.6	0.7	
15.9	0.35	
17.0	1.35	
17.6	0.45	
19.25	1.75	
20.3	0.5	
21.4	1.0	
22.3	0.8	
22.9	0.6	
24.1	0.95	
24.6	0.35	
26.1	0.9	
26.9	0.35	
27.0	0.7	
27.8	0.95	
28.8	0.6	
30.3	1.5	
31.85	1.55	
33.0	1.05	
1.3		

MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE	SCALE 1:200
					0
					2
					4
					6
					8
					10
					12
					14
					16
					18
					20
					22
					24
					26
					28
					30
					32
					34

SURVEY	MINERALISATION			GEOLOGY		
	Depth	Dip	Azimuth			
				OLIVINE BASALT medium to fine grained. Joint planes 30, 45; 90°. Strongly weathered throughout on joint planes to goethite clay. Numerous clay zones with few fresh basalt fragments particularly 30 to 36".		
				No visible mineralization.		
				Contact obscure		
				50.25"		
				CLAY SILTSTONE, fine to medium grained, few minor brachiola in red zones. Numerous clay-iron silicate patches, some blocks up to 10cm in size, possibly detrital. No structure in clay.		
				No visible mineralization.		
				contact obscure		
				54.80"		
				EMERALD-DIOXIDE CALYPTURITE GREEN Totally oxidized to a goethite clay to 62m, with relict solution marks. Sandy clay at 61-62m similar to clay siltstone above - may be near same source.		
				Fine grained, dense oxidized dense mass with large carbonate blocks and patches 67-72m, only minor oxidation on foliation and fracture planes. Trace to 2-3% fine euhedral magnetite throughout but generally less than 1%.		



GEOLOGY	MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE	SCALE / 2000	ASSAYS	
							% W	
						34		
						36		
						38		
						40		
						42		
						44		
						46		
						48		
						50		
						52		
						54		
						56		
						58		
						60		
						62		
						64		
						66		
						68		

Length 130.70  
 Azimuth 090° DTM  
 Dip at Collar 50°  
 Northing             
 Easting             
 Elev.             
 O B Thickness             
 Contractor             
 Core            Stored             
 Logged by G. Claff Date 8 June 1978  
 Location             
 Started            Finished             
 Hole No.             
 Project             
 Area           



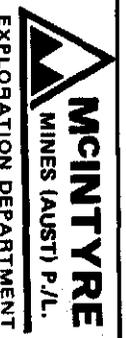
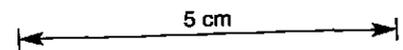
EXPLORATION DEPARTMENT



SURVEY	MINERALISATION			GEOLOGY		
	Depth	Dip	Azimuth			
				QUARTZITE as above		
				103-50" EPIDOTE-MAGNETITE SPALL coarse grained epidote rock, minor disseminated magnetite with 20% finely disseminated magnetite. Becomes increasingly siliceous down section, will fall in magnetite, increases in epidote. Strong oxidation of epidote but minor oxidation of magnetite. Localized goethite work in place in 70's, fine in 100's		
				110-70" QUARTZ-MAGNETITE-GARNET EPIDOTE SPALL Essentially an oxidized quartzite with graded bedding increasing west, 5% fine grossular garnet. To 19 grossular garnet, epidote, subordinate quartz. Minor magnetite, partly altered to hematite locally but mostly in place. Subsequent oxidation in place.		
				119-05" CONTACT SHEARED.		
				EPIDOTE QUARTZITE - fine grained siliceous epidote rock, flinty and highly fractured. Unweathered except for sheared clay zones 119-0-119-1 and 119-1-120-6. Foliated 45° CA, jointed 80° and 20°		
				127-10" BIOTITE GRANITE medium grained, unoxidized other than thin bands of siliceous on joint planes at 45° and 70°		
				130-75" END OF HOLE		

SAMPLE NUMBER	FROM	TO	SAMPLE WIDTH	ASSAYS		SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
				% W	% SW							
21378	102	103	1"			102					Q	60°
21070	103	104	1"	0.33	0.13	104					T	
21071		105	1"	0.26	0.11							
21072		106	1"	0.10	0.04	106	0.2	0.3				
21073		107	1"	0.12	0.14							
21074		108	1"	0.06	0.13	108						
21075		109	1"	0.09	0.05		0.2	0.3				
21076		110	1"	0.05	0.01	110						20°
21077	40	41	1"	0.02	96ppm							
21078		112	1"	0.04	0.01	112						
21079		113	1"	0.15	0.03		Tr	0.2%				
21080		114	1"	0.21	0.08							
21081		115	1"	0.15	0.04							
21082		116	1"	0.15	0.06							
21083		117	1"	0.10	0.17							
21084		118	1"	0.11	0.18							
21085	118	119	1"	0.53	0.28							
21086		120	1"	0.01	0.01	120						
						122						
						124						
						126						
						128						
						130						
						132						
						134						
						136						

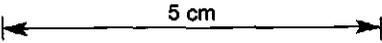
Length 130.70m  
 Azimuth 090° UTM  
 Dip at Collar 50°  
 Northing  
 Easting  
 Elev.  
 O B Thickness  
 Contractor  
 Core  
 Stored  
 Logged by G C W... Date 8 June 1978  
 Location  
 Hole No. 204 203  
 Project  
 Area



EXPLORATION DEPARTMENT  
 Project  
 Area

Depth	0	20"	40"	60"	108"				
Dip	50°	52°	51°	51°	51°				
Azimuth	-	-	-	-	-				

MINERALISATION		GEOLOGY	
			No CORE RECOVERED. Sludge angular quartz grains with minor Kaolin - decomposed GRANITE.
			3.50"
	No visible mineralization.		GRANITE medium to coarse grained, few very fine grained zones to 0.5" possibly Aplitic. Totally weathered to a weakly Fe stained quartz-Kaolin rock. Strong joint pattern in fine grained zones 40° CA.
			16.40"
			No CORES RECOVERED Sludge coarse angular quartz to 3.0" - GRANITE.
			19.20"
	No visible mineralization. Contact broken and obscured.		QUARTZ transparent, well crystallized. Fe stained in part. 0.4" coarse grained Granite 1.4" - 19.2". Core broken and reground, but mineral suggests veining on granite margin.
			21.60"
			EPIDOTE QUARTZ SKARN
			A dense epidote rock with 10-20% fine silica, 2-5% goethite. Totally weathered to 38.5" to a puggy clay with fragments of less weathered epidote, goethite in fine blks after magnification. Weak slickensided joint planes at 40-50° CA, numerous random slickensided planes in heavy clay zone. 30-35" magnetite 100%, as kernels surrounded by goethite - hematite.



SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
0						Gr
2						Gr
4						Gr
6						Gr
8						Gr
10						Gr
12						Gr
14						Gr
16						Gr
18						Gr
20						Gr
22						Gr
24						Gr
26						Gr
28						Gr
30						Gr
32						Gr
34						Gr

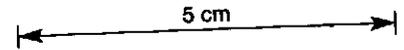
% CORE RECOVERED	DRILLING INTERVAL
Nil	
0.50	0.5
0.5	1.0
1.0	1.5
0.5	2.0
0.5	2.5
1.0	3.0
0.9	3.5
1.2	4.0
0.6	4.5
0.2	5.0
0.2	5.5
0.5	6.0
Nil	6.5
0.4	7.0
0.3	7.5
0.7	8.0
0.9	8.5
1.1	9.0
1.5	9.5
0.5	10.0
0.5	10.5
0.5	11.0
0.15	11.5
0.15	12.0
0.15	12.5
0.15	13.0
0.15	13.5
0.15	14.0
0.15	14.5
0.15	15.0
0.15	15.5
0.15	16.0
0.15	16.5
0.15	17.0
0.15	17.5
0.15	18.0
0.15	18.5
0.15	19.0
0.15	19.5
0.15	20.0
0.15	20.5
0.15	21.0
0.15	21.5
0.15	22.0
0.15	22.5
0.15	23.0
0.15	23.5
0.15	24.0
0.15	24.5
0.15	25.0
0.15	25.5
0.15	26.0
0.15	26.5
0.15	27.0
0.15	27.5
0.15	28.0
0.15	28.5
0.15	29.0
0.15	29.5
0.15	30.0
0.15	30.5
0.15	31.0
0.15	31.5
0.15	32.0
0.15	32.5
0.15	33.0
0.15	33.5
0.15	34.0
0.15	34.5
0.15	35.0
0.15	35.5
0.15	36.0
0.15	36.5
0.15	37.0
0.15	37.5
0.15	38.0
0.15	38.5
0.15	39.0
0.15	39.5
0.15	40.0
0.15	40.5
0.15	41.0
0.15	41.5
0.15	42.0
0.15	42.5
0.15	43.0
0.15	43.5
0.15	44.0
0.15	44.5
0.15	45.0
0.15	45.5
0.15	46.0
0.15	46.5
0.15	47.0
0.15	47.5
0.15	48.0
0.15	48.5
0.15	49.0
0.15	49.5
0.15	50.0
0.15	50.5
0.15	51.0
0.15	51.5
0.15	52.0
0.15	52.5
0.15	53.0
0.15	53.5
0.15	54.0
0.15	54.5
0.15	55.0
0.15	55.5
0.15	56.0
0.15	56.5
0.15	57.0
0.15	57.5
0.15	58.0
0.15	58.5
0.15	59.0
0.15	59.5
0.15	60.0
0.15	60.5
0.15	61.0
0.15	61.5
0.15	62.0
0.15	62.5
0.15	63.0
0.15	63.5
0.15	64.0
0.15	64.5
0.15	65.0
0.15	65.5
0.15	66.0
0.15	66.5
0.15	67.0
0.15	67.5
0.15	68.0
0.15	68.5
0.15	69.0
0.15	69.5
0.15	70.0
0.15	70.5
0.15	71.0
0.15	71.5
0.15	72.0
0.15	72.5
0.15	73.0
0.15	73.5
0.15	74.0
0.15	74.5
0.15	75.0
0.15	75.5
0.15	76.0
0.15	76.5
0.15	77.0
0.15	77.5
0.15	78.0
0.15	78.5
0.15	79.0
0.15	79.5
0.15	80.0
0.15	80.5
0.15	81.0
0.15	81.5
0.15	82.0
0.15	82.5
0.15	83.0
0.15	83.5
0.15	84.0
0.15	84.5
0.15	85.0
0.15	85.5
0.15	86.0
0.15	86.5
0.15	87.0
0.15	87.5
0.15	88.0
0.15	88.5
0.15	89.0
0.15	89.5
0.15	90.0
0.15	90.5
0.15	91.0
0.15	91.5
0.15	92.0
0.15	92.5
0.15	93.0
0.15	93.5
0.15	94.0
0.15	94.5
0.15	95.0
0.15	95.5
0.15	96.0
0.15	96.5
0.15	97.0
0.15	97.5
0.15	98.0
0.15	98.5
0.15	99.0
0.15	99.5
0.15	100.0

Length 108.0 m  
 Azimuth 090° UTM  
 Dip at Collar 50°  
 Northing 5436858.0 N  
 Easting 372262.0 E  
 Elev. 51.0 m  
 Contractor Longyear  
 Core Q-S-240 Stored Hava Yard  
 Casing 50.1-108.0 m  
 Logged by 8/20/19 Date 14 June 1975  
 Location \_\_\_\_\_  
 Project Tecumset ONTARIO  
 Area Hava Systems Contact  
 Started 7 June 1975 Finished 14 June 1975  
 B R Thickness \_\_\_\_\_  
 Started \_\_\_\_\_ Finished \_\_\_\_\_  
 Page 1 of 4





SURVEY	MINERALISATION			GEOLOGY		
	Depth	Dip	Azimuth			
				<p><u>MAGNETITE GARNET EPIDOTE SHARN</u> Banded magnetite (40%) granular garnet, mica (to 5%) + epidote. Tourmaline and andrite garnet around 75m. Magnetite decreases to 5-10% below 75m with corresponding increase in granular garnet. Strongly epidotized in banding. 60-70°C. No walling.</p>		
				<p>contact gradational</p>		
				<p><u>GARNET MAGNETITE SHARN</u> Neatly banded granular garnet, locally trace and andrite in single crystals or aggregates to 2-3cm, 30-40%. Magnetite. Foliation banding 60-70m. No walling.</p>		
				<p>Trace fine schuchite to 0.5 mm in magnetite rich zones. Trace to 1% sulphide, increasing downwards from 84m.</p>		
				<p><u>MAGNETITE EPIDOTE GARNET SHARN</u> Strongly banded, 50-60% magnetite with granular garnet. 2-5% fine sulphide (pyrite). Few large blebs (3cm) and andrite garnet. 91.0</p>		
				<p><u>GRANITE</u> Strongly epidotized. High silicon locally. 93.00m</p>		
				<p><u>QUARTZ EPIDOTE ROCK</u> Medium grained, granular epidote, low quartz. Locally large blebs and localized feldspar. Rock possibly epidotized fine grained granite, has texture of core from 91.0 to 93.0</p>		



GEOLOGY	MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHECHLITE	% VISUAL SCHECHLITE	ASSAYS			SCALE 1:200
						% W			
M		60°		13%	15%				68
M		60°		0.5%	0.5%				70
M		60°		0.3%	0.4%				72
M		60°							74
M		60°							76
M		60°							78
M		60°							80
M		60°		Tr	Tr				82
M		60°							84
M		60°							86
M		60°							88
M		60°							90
M		60°							92
M		60°							94
M		60°							96
M		60°							98
M		60°							100
M		60°							102

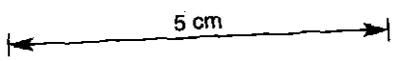
Length 108.0m  
 Azimuth 090° U.T.M.  
 Dip at Collar 50°  
 Northing 5425858.0  
 Easting 397262.0  
 Elev. 51.0m  
 O.B. Thickness \_\_\_\_\_  
 B.R. Thickness \_\_\_\_\_

Contractor Hava Yard  
 Core \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Logged by G.C. VWH Date 14 June 1978  
 Location \_\_\_\_\_

Started 7 June 1978 Finished 14 June 1978  
 Project Osmaniyeh Dam  
 Area 1st Section  
 Hole No. DD4204  
 EXPLOURATION DEPARTMENT  
 MCINTYRE  
 MINES (AUST) P/L.  
 Page 3 of 21

Depth	0	20	40	60	108"
Dip	50	52°	51°	51°	51°
Azimuth					

MINERALISATION		GEOLOGY	
No visible mineralization Negative U/P response.		GRANITE Coarse grained to 5mm, very strongly epidotized. Few red-brown biotite flakes for 100'. Strongly leached, kaolinized throughout.	
		108" END OF HOLE	



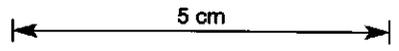
ASSAYS		SCALE	GEOLOGY	MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE
% W								
		102						
		104						
		106						
		108						

Length 108.0 m  
 Azimuth 000° 47M.  
 Dip at Collar 50°  
 Northing 5425858.0  
 Easting 377262.0  
 Elev. 51.0 m  
 O.B. Thickness \_\_\_\_\_  
 B.R. Thickness \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Core \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Logged by G.C. WILKINSON Date 14 June 1978  
 Location \_\_\_\_\_  
 Started 7 June 1978 Finished 12 June 1978  
 Started \_\_\_\_\_ Finished \_\_\_\_\_  
 Hole No. DDH 204  
 Project Tasmanian Diamonds  
 Area Kara Karra Eastern Area  
 EXPLOARATION DEPARTMENT  
 MCMINTYRE MINES (AUST) P/L.

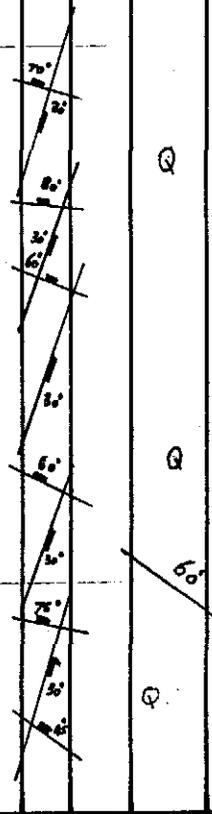
EXPLOARATION DEPARTMENT  
 MCMINTYRE MINES (AUST) P/L.  
 Hole No. DDH 204  
 Project Tasmanian Diamonds  
 Area Kara Karra Eastern Area  
 Page 4 of 4

Depth	0 <sup>m</sup>	40 <sup>m</sup>	80 <sup>m</sup>	96 <sup>m</sup>					
Dip	55°	56°	56°	55°					
Azimuth	-	-	-	-					

MINERALISATION		GEOLOGY	
	No visible mineralization	Gr	GRANITE - totally weathered to a light Karri clay with Quartz fragments to 3 <sup>mm</sup>
	contact obscure		6:00AM END OF NON CORE DRILLING
	No visible mineralization	Gr	GRANITE, medium grained to 3-4 <sup>mm</sup> . Totally weathered to a Karri clay with residual quartz, strongly stained with goethite.
	contact obscure		14:00 <sup>h</sup>
	No visible mineralization	Q	QUARTZ PERALTE CONGLOMERATE Highly silicified, strong secondary mineral growth. At base pebbles 3-5cm, well rounded and poorly sorted, grading downwards to 10-15mm, to an angular grit 1-2 <sup>mm</sup> into coarse grained quartzite with a few angular fragments to 2 <sup>mm</sup> . Clay content increases down hole from 25 <sup>m</sup> , clay bound with coarse gravel 15-17 <sup>mm</sup> . Highly fragmented thin bedded. Fracture planes coated with goethite on the surface.
	No visible mineralization	Q	28:00 <sup>h</sup> QUARTZ CONGLOMERATE quartzite to 31 <sup>mm</sup> , grading to a fine grained quartzite with rare coarse grained quartz to 15 <sup>mm</sup> . Quartzite pebbles in matrix strongly weathered in fine grained zones to a quartz rich clay with



SCALE	1:200	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
MINERAL																			
STRUCTURE																			
COLOUR & COLOUR CODE																			
U.V. RESPONSE % SCHELITE																			
% VISUAL SCHELITE																			

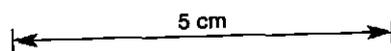


ASSAYS																			
SAMPLE WIDTH																			
FROM:																			
TO:																			
SAMPLE NUMBER																			
SCALE																			
RECOVERED DRILLING INTERVAL	NOT CORED																		
CORE TO FRAGMENTED TO MEASURE RECOVERY																			

Length 96.50<sup>m</sup> Contractor \_\_\_\_\_  
 Azimuth 090° U.T.M. Core \_\_\_\_\_ Stored \_\_\_\_\_  
 Dip at Collar 55° Casing \_\_\_\_\_  
 Northing 5435899.10 Logged by G.C. WARR Date 19 JUNE 1978  
 Easting 397264.5 Location \_\_\_\_\_  
 Elev. 513.0<sup>m</sup>  
 O.B. Thickness \_\_\_\_\_ Started 15 June 1978 Finished 19 June 1978  
 B.R. Thickness \_\_\_\_\_ Started \_\_\_\_\_ Finished \_\_\_\_\_


**MCINTYRE**  
 MINES (AUST) P/L  
 EXPLORATION DEPARTMENT  
 Hole No. DDH 205  
 Project KARA  
 Area Western Contact  
 Page 1 of 3

Assays Recalculated as  $NO_3$  from initial  $2d$  assays



DEPTH	DIP	AZIMUTH	SURVEY	MINERALISATION		GEOLOGY	
				MINERALISATION	GEOLOGY		
35.20					redish epidote		
37.6							
39.2							
41.8							
42.6							
43.0							
43.7							
44.5							
45.2							
46.2							
47.1							
47.2							
49.2							
50.5							
50.6							
51.2							
52.7							
53.1							
53.2							
53.7							
57.2							
57.9							
59.2							
60.2							
61.6							
63.0							
63.7							
65.2							
66.2							
67.7							

Length 96.50m Contractor \_\_\_\_\_  
 Azimuth 090° UTM Core \_\_\_\_\_ Stored \_\_\_\_\_  
 Dip at Collar 55° Casing \_\_\_\_\_  
 Northing 542589910 Logged by G.C. Wolf Date 19 June 1978  
 Easting 3922645 Location \_\_\_\_\_  
 Elev. 512.0m  
 O.B. Thickness \_\_\_\_\_ Started 15 June 1978 Finished 19 June 1978  
 B.R. Thickness \_\_\_\_\_

**MCINTYRE**  
 MINES (AUST) P/L  
 EXPLORATION DEPARTMENT  
 Hole No. DDH 265  
 Project KARR  
 Area WESTERN CONTACT  
 Page 2 of 3

SAMPLE NUMBER	FROM :	TO :	SAMPLE WIDTH	ASSAYS			SCALE / 200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
				% $NO_3$	PPM Sn	PPM Pb							
21151	45	46	1.0	0.11	110	40	80					T	
21152	46	47	1.0	0.06	130	80	20					T	
21153	47	48	1.0	0.04	340	140	420					T	
21154	48	49	1.0	0.01	600	40	30					T	
21155	49	50	1.0	0.02	680	120	120					T	
21156	50	51	1.0	0.16	370	120	110					T	
21157	51	52	0.5	1.70	450	140	80					T	
21158	52	53	0.5	0.14	380	150	150					T	
21159	52	53	0.5	2.77	380	150	150					T	
21160	52	53	1.0	0.58	350	140	20					M	
21161	53	54	1.0	0.26	290	220	420					M	
21162	54	55	1.0	0.16	270	200	420					M	
21163	55	56	1.0	0.44	270	220	420					M	
21164	56	57	1.0	0.08	480	180	20					M	
21165	57	58	1.0	0.29	260	300	340					M	
21166	58	59	1.0	0.01	280	240	420					M	
21167	59	60	1.0	0.18	310	220	210					M	
21612	60	61	1.0									M	
21613	61	62	1.0									M	
21614	62	63	1.0									M	
21615	63	64	1.0									M	
21616	64	65	1.0									M	
21617	65	66	1.0									M	
21618	66	67	1.0									M	
21619	67	68	1.0									M	

**MINERALISATION**

No visible mineralization  
 Negative U/V response.

**GEOLOGY**

redish epidote  
 35.20m  
 EPIDOTE QUARTZ GARNET SPHALLIN  
 Epidote, minor actinolite, and quartz 20%, rare grossular garnet trace andradite, to 40%, quartz increasing down hole to 5%. Few zones granular quartz at base, strongly foliated 45° general mineral in silica from 42m.  
 Strongly to totally weathered to quartz clay to 41.8m, partly garnet, numerous slightly weathered zones to 48.2m < 5% graphite after magnetite throughout.  
 48.20m  
 NO visible mineralization  
 Negative U/V response  
 BASE OF TOTAL OXIDATION 48.20m  
 49.20m  
 NO visible mineralization  
 Negative U/V response  
 50.20m  
 GARNETITE grossular garnet, quartz, trace actinolite, 5% bio magnetite. Highly fractured and banded.  
 50.20m  
 MAGNETITE ACTINOLITE SPHALLIN  
 80-90% magnetite, 10% andradite, trace grossular garnet increasing to 1-3% from 60m slightly weathered, friable throughout. Foliated 30-40°.  
 63.80  
 GARNET MAGNETITE SPHALLIN  
 20-40% unoxidized magnetite, sphallin banded with grossular garnet, trace actinolite. Strongly foliated 30°  
 68.30m

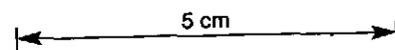








SURVEY	MINERALISATION				GEOLOGY			
	Depth	Dip	Azimuth					
					<p>NOT CORED. shaly bed of medium grained quartz sand and kaolin - highly weathered</p> <p>3.70' <u>GRANITE</u></p> <p><u>QUARTZITE</u> - very strongly weathered to a weak friable clayey sandstone, with a few hard quartzite nodules.</p> <p>well developed joint pattern throughout, with few minor secondary sets 80° and 45°. Possibly also coincident with bedding.</p> <p>Considerable jointing streamer throughout both on joint planes and on random patches generally in clay zones.</p>			
					<p>No visible mineralization.</p>			
					<p>No visible mineralization.</p>			
					<p>27.00'</p> <p><u>QUARTZITE</u> as above lithologically but fine grained, flinty, very highly fractured on joint planes. Trace only of clay, minor jointing</p>			



GEOLOGY	MINERAL	STRUCTURE	COLOUR & COLOUR CODE	U.V. RESPONSE % SCHEELITE	% VISUAL SCHEELITE	SCALE /: 200	ASSAYS				SAMPLE WIDTH	FROM:	TO:	SAMPLE NUMBER	SCALE	CORE RECOVERED DRILLING INTERVAL
							% W	ppm Sn	ppm Pb	ppm Bi						
						0										
						2										
						4										
						6										
						8										
						10										
						12										
						14										
						16										
						18										
						20										
						22										
						24										
						26										
						28										
						30										
						32										
						34										

Length 101.20m Contractor \_\_\_\_\_

Azimuth 092° U.T.M. Core \_\_\_\_\_ Stored \_\_\_\_\_

Dip at Collar 50° Casing \_\_\_\_\_

Northing 5025976.7 Logged by G.C. Wolff Date 29 June 1978

Easting 397260.3 Location \_\_\_\_\_

Elev. 502.0m

O.B. Thickness \_\_\_\_\_ Started 24 June 1978 Finished \_\_\_\_\_

B.R. Thickness \_\_\_\_\_ Started \_\_\_\_\_ Finished \_\_\_\_\_

Hole No. DDH 207

Project KARA

Area WESTERN CONTACT

EXPLORATION DEPARTMENT

**MCINTYRE**  
MINES (AUST) P/L

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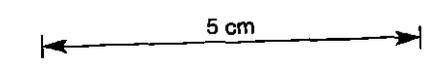
21267 33 34 10 101 30 30 <20

247045

Length 101.20"  
 Azimuth 090° 07M  
 Dip at Collar 50°  
 Northing \_\_\_\_\_  
 Easting \_\_\_\_\_  
 Elev. \_\_\_\_\_  
 O.B. Thickness \_\_\_\_\_  
 B R Thickness \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Core \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Logged by G.C. Wolff Date 29 June 1978  
 Stored \_\_\_\_\_  
 Started 24 June 1978 Finished \_\_\_\_\_  
 Started \_\_\_\_\_ Finished \_\_\_\_\_  
 Project WARR  
 Hole No. DDH 207  
 Area WESTERN CONTACT

**MCINTYRE**  
 MINES (AUST) P/L  
 EXPLORATION DEPARTMENT  
 Page 2 of 3

SAMPLE NUMBER	FROM:	TO:	SAMPLE WIDTH	ASSAYS			SCALE / :200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY	SURVEY		MINERALISATION	GEOLOGY
				% W <sub>3</sub>	Ppm Sn	Ppm Pb								Ppm Bi	Depth		
21268	34	35	1.0	0.01	420	20	420					Q		0	100°		QUARTZITE as above
21269	35	35.6	0.6	0.02	40	50	420					Tm		50°		35.60m No visible mineralization.	35.60m GARNET MAGNETITE SHAON totally weathered to clay, rich in goethite, trace magnetite, with residual grossular garnet. Partly weathered to 38.81.
21270	35.6	36.9	1.3	0.02	590	100	420					Tm		38		0.5% fine schuchite, barely visible without UV light, in goethite blebs after magnetite. Few small fragments from 38.4 to 38.85 also foliation.	38.85 Foliated 50°
21271	36.9	37.2	0.3	0.07								Tm		38		No visible schuchite and schuchite.	
21272	37.2	38	0.8	0.02	200	200	20					Tm		40		0.5% schuchite to 100 38.85-39.40. No oxidation.	MAGNETITE GARNET SHAON
21273	38	38.85	0.85	0.63	210	160	210					Tm		40		0.5% schuchite above 40.6-41.1. Trace schuchite 41.1-42.2	
21274	38.85	39.4	0.55	1.19	280	100	20					Tm		42			+75% magnetite, locally 100%, grossular garnet 25% max. 5% epidote/actinolite throughout. Irregular blebs and stringers of calcite generally along foliation but also an streakwork veinlets throughout core but particularly in 50-63m.
21275	39.4	40.6	1.2	0.89	300	100	420					M		42			Foliation (banding) strong throughout. 45-50" to 52", changing to 80° to 67.3". Foliation around 51" where foliation changes 30-50-80°.
21276	40.6	41.1	0.5	0.33	300	90	420					M		44			Core is unweathered throughout.
21277	41.1	42.2	1.1	0.74	780	50	50					M		44			
21278	42.2	43	0.8	0.04	320	140	100					M		46			
21279	43	44	1.0	0.03	1080	120	140					M		46			
21280	44	45	1.0	Tr	640	100	40					M		46			
21281	45	46	1.0	Tr	360	100	420					M		46			
												M		50			
												M		52			
												M		54			
												M		56			
												M		58			
												M		60			
												M		62			
												M		64			
												M		66			
												M		68			
												M		70			
												M		72			
												M		74			
												M		76			
												M		78			
												M		80			
												M		82			
												M		84			
												M		86			
												M		88			
												M		90			
												M		92			
												M		94			
												M		96			
												M		98			
												M		100			

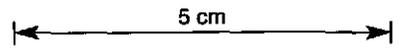


67.30m









SURVEY			MINERALISATION	GEOLOGY
Depth	Dip	Azimuth		
				also 50%
				Epidote ~ 20%, total quartz ~ 10%, andradite 5%, garnet ~ 70% minor diopside & little calcite. Only the epidote is oxidised.
				From 67 to 079m the rest consist of epidote & oxidised quartz. In rock with a clearly defined diopside contact. Some of the lower contact.
				60° Rabbley contact
				87m
				60° calcite vein
				Very fine disseminated crystals of scheelite, recovered at 55-56m. Larger scheelite crystals & calcite ~ 2cm.
				60°
				77.5m
				77.1m
				ARLITE GRANITE, deeply splintered on good planes
				END OF HOLES

SAMPLE NUMBER	SCALE	CORE RECOVERED	DRILLING INTERVAL	ASSAYS			SCALE 1:200	% VISUAL SCHEELITE	U.V. RESPONSE % SCHEELITE	COLOUR & COLOUR CODE	STRUCTURE	MINERAL	GEOLOGY
				% Wt									
		74.9	0.12										
		75.0	0.3										
		76.1	1.01										
		76.6	1.33										
		76.6	2.92										
		79.6	3.0										
		82.6	2.0										
		85.6	3.0										
21348		85.6	3.0	85.5	86.6	1.1							
21349		86.6	3.0	86.6	89.2	2.6							
21350		89.2	3.0	90.1	90.1	0.9							
21351		90.1	3.0	91.0	91.0	0.9							
21352		91.0	3.0	92.0	92.0	1.0							
21353		92.0	3.0	93.0	93.0	1.0							
		94.6	3.0										
		97.6	3.0										
		98.7	1.1										
		99.1	0.9										

Length 99.10m  
 Azimuth 090° 07' 14"  
 Dip at Collar 50°  
 Northing 5426018.5  
 Easting 397265.8  
 Elev. 499.4m  
 O.B. Thickness \_\_\_\_\_  
 B.R. Thickness \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Core \_\_\_\_\_  
 Casing \_\_\_\_\_  
 Logged by D.F.D.  
 Date 6/7/78  
 Location \_\_\_\_\_  
 Started 29/6/78  
 Finished 2/7/78  
 Started \_\_\_\_\_  
 Finished \_\_\_\_\_  
 Hole No. DDH 208  
 Project KARA  
 Area \_\_\_\_\_  
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EXPLORATION DEPARTMENT

443

SURVEY		MINERALISATION					GEOLOGY					
Depth	Dip	Azimuth	33"	40"	50"	60"	70"	33"	40"	50"	60"	70"
0	40°	55°E	40°	39°	39 1/2°	39°	39°	55°E	55°E	56°E	57°E	57 1/2°E
<p><b>BIOGITE GRANITE</b> → very coarse grained to 8-10mm, with a few minor zones 3-5mm, aplitic.</p> <p>Foliated 40-45° throughout. Feldspar strongly altered to zircon-spilite.</p> <p>Several zones of almost total weathering to kaolin with velvet feldspar and quartz, notably 3.5 to 13.0", 20.5-23.1". Joint planes at 40 and 30° generally kaolinised but remaining core fresh and unweathered.</p>												
<p><b>GEOLOGY</b> Gr C (Gr) Gr C (Gr) Gr</p>												
<p><b>MINERAL</b></p>												
<p><b>STRUCTURE</b></p>												
<p><b>COLOUR &amp; COLOUR CODE</b></p>												
<p><b>U.V. RESPONSE % SCHEELITE</b></p>												
<p><b>% VISUAL SCHEELITE</b></p>												
<p><b>SCALE 1:200</b></p>												
<p><b>ASSAYS</b></p>												
<p><b>% W</b></p>												
<p><b>SAMPLE WIDTH</b></p>												
<p><b>TO:</b></p>												
<p><b>FROM:</b></p>												
<p><b>SAMPLE NUMBER</b></p>												
<p><b>SCALE</b></p>												
<p><b>CORE RECOVERED</b></p>												
<p><b>DRILLING INTERVAL</b></p>												

Length 95.80m Contractor \_\_\_\_\_  
 Azimuth 116° 07M Core \_\_\_\_\_ Stored \_\_\_\_\_  
 Dip at Collar 40° Casing \_\_\_\_\_  
 Northing 5425723.9 Logged by G.C. Wolff Date 10-12/7/88  
 Easting 397246.5 Location \_\_\_\_\_  
 Elev. 519.30m  
 O.B. Thickness \_\_\_\_\_ Started 3 July 1978 Finished 9 July 1978  
 B.R. Thickness \_\_\_\_\_ Started \_\_\_\_\_ Finished \_\_\_\_\_



Hole No. DDH 209  
 Project KARA  
 Area Western Contact  
 Page 1 of 3

247050









U5A

SURVEY		MINERALISATION	GEOLOGY
Depth	Dip Azimuth		
			<p>Amphibolite gneiss            Banding ranges from 10-30° to 45°            in width but bands are not            a mixture of 10-15% magnetite            30-40% scheelite, 10-15% quartz            10-15% amphibole, minor apatite            5-8% and the occasional calcite            veinlet, perhaps very rare, with            or as much as 10% towards            the bottom the same but a            few mm of calcite, the whole            being magnetite &amp; a few calcite veins</p>
			<p>Very fine grained granitic gneiss            with typical foliation, magnetite, some            massive massive bands at 85-88m            small 2-7% of similar gneiss            base Foliot 25% of same            14 decalcified zone</p>
			<p>Magnetite gneiss            10% magnetite in coarse massive and            spots or patches in beds of gneiss</p>
			<p>Gneiss + Magnetite gneiss - broad            bands of 10-20% magnetite, 5-8% scheelite, 5-8% quartz            10% mica schist</p>
			<p>Amphibolite gneiss            10-15% magnetite 10-15% scheelite            20% decalcified magnetite</p>

247055

Length 127.50m Contractor \_\_\_\_\_

Azimuth 090° UTM Core \_\_\_\_\_ Stored \_\_\_\_\_

Dip at Collar 50° Casing \_\_\_\_\_

Northing 542667.7 Logged by D.F.D. Date 15/7/78

Easting 397236.0 Location \_\_\_\_\_

Elev. 488.8m

O.B. Thickness \_\_\_\_\_ Started 10/7/78 Finished 13/7/78

B.R. Thickness \_\_\_\_\_ Started \_\_\_\_\_ Finished \_\_\_\_\_



**MCINTYRE**  
MINES (AUST) P/L.  
EXPLORATION DEPARTMENT

Hole No. DDH 210

Project KARA

Area Western Contact

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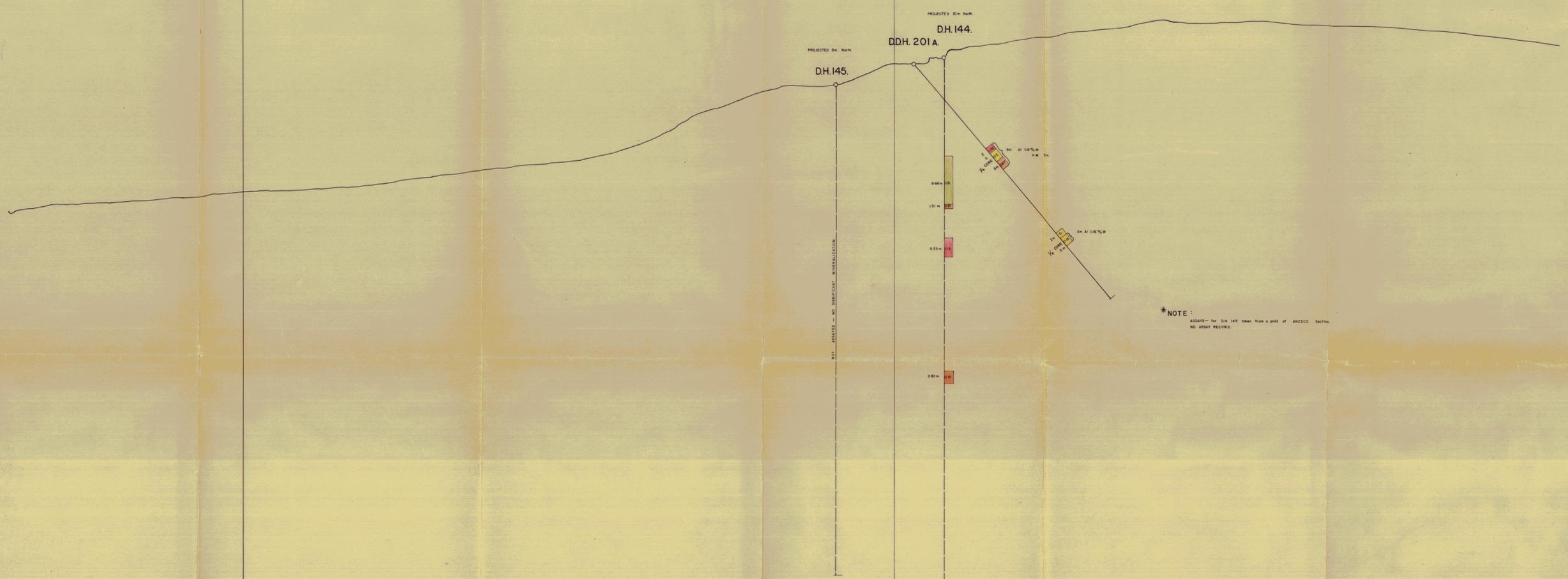






LOOKING 360°

560m  
540m  
520m  
500m  
480m  
460m  
440m  
420m  
400m  
380m  
360m  
340m  
320m



2110

LONGITUDINAL SECTION.

397 500 E

397 700 E

**LEGEND**

- Clay
- Basalt
- Diatom
- ... (other geological units)

**ASSAY VALUES**

Core - 1m

1m Average %W

... (assay data table)

**ASSAY ORDER**

1. 0.01%W

2. 0.02%W

3. 0.03%W

4. 0.04%W

5. 0.05%W

6. 0.06%W

7. 0.07%W

8. 0.08%W

9. 0.09%W

10. 0.10%W

**SCALE**

0 10 20 30 40 50 60 70 80 90 100

247061

5m

78-1279

**MCINTYRE MINES (AUST.) PTY. LTD.**  
BURBIE TASMANIA

**TASMINEX (KARA) OPTION**

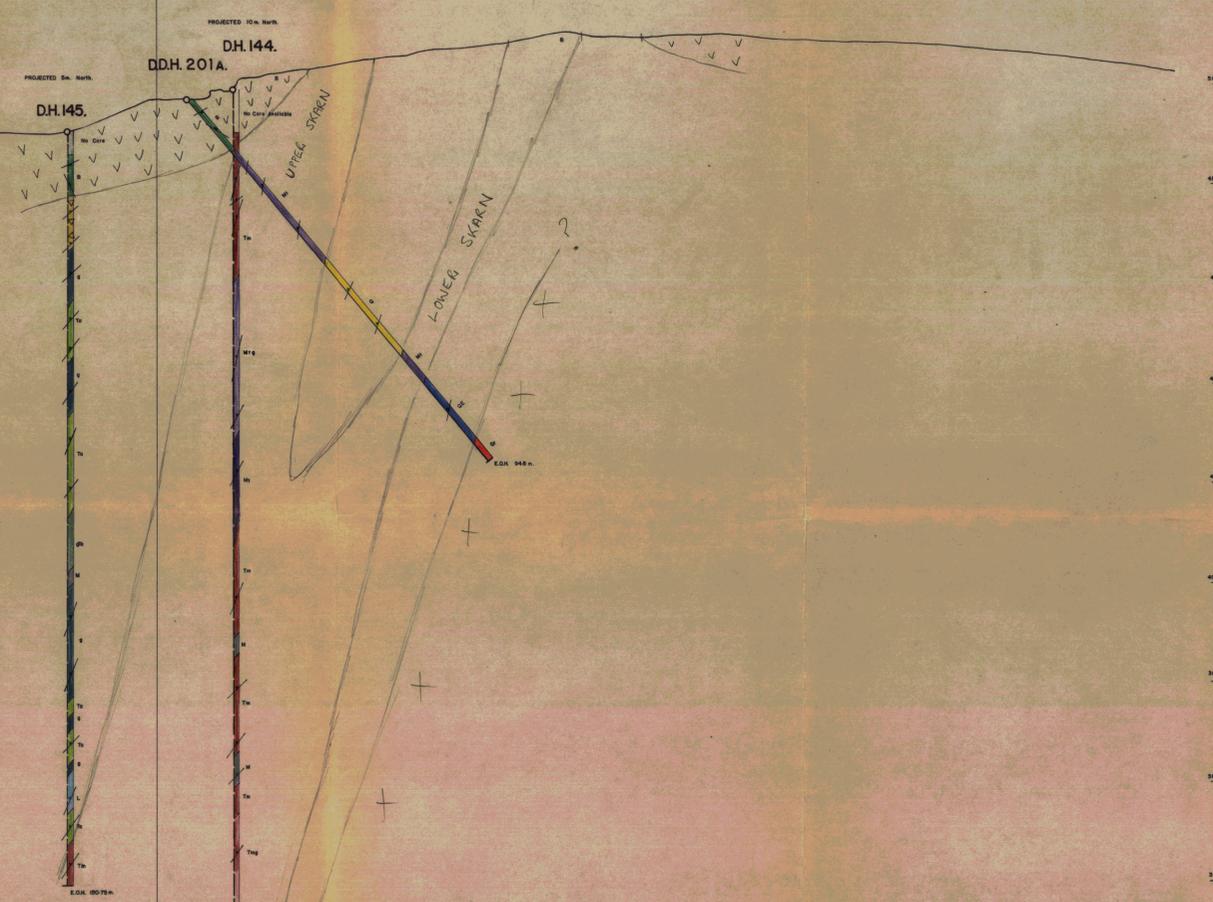
**ASSAY SECTION 6370 N**

2110

Drawn By: D.F. Dickson  
Work By: G.F.D. & S. Watt  
Date: June 1978  
Scale: 1:500

Revisions:  
Map No: 78/1AX  
Project No: 21081

LOOKING 360°



2111

LONGITUDINAL SECTION

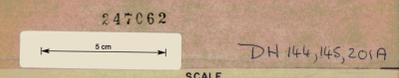
397 500 E

397 700 E

NOTE :

DRILL HOLES: DH. 144, DH. 145, DH. 201A, MEINTYRE Logs

**LEGEND**

MEINTYRE MINES (AUST.) PTY. LTD.  
 TASMANIA

TASMINEX (KARA) OPTION

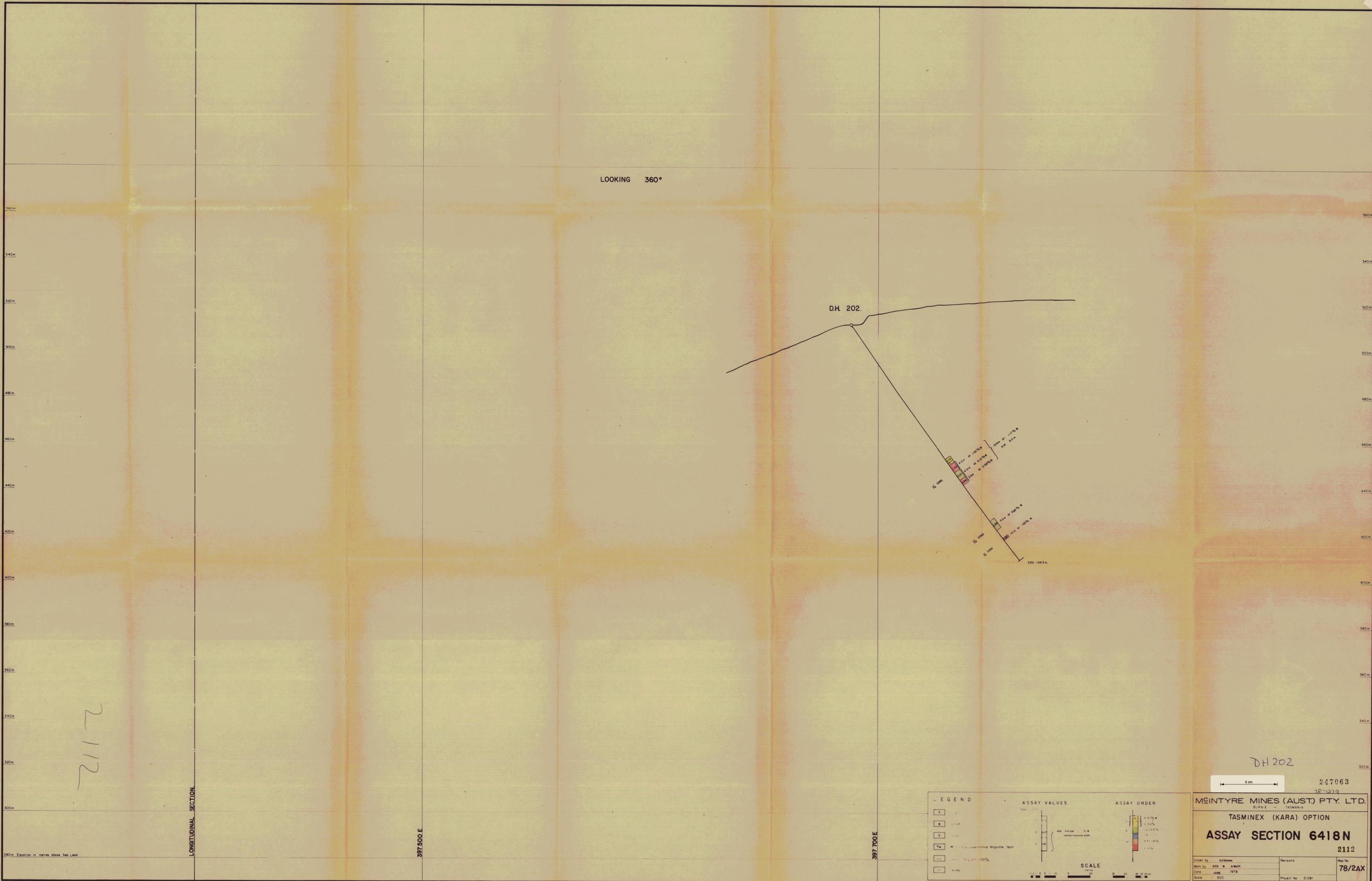
**DRILL SECTION 6370 N**  
**GEOLOGY.** 2111

Drawn By: D.F. Gibson  
 Date: 20th June 1978  
 Scale: 1:500

Revisions: \_\_\_\_\_  
 Project No: 21081

Map No: 78/1 GX

LOOKING 360°



2112

DH202

50m

247063

78-1273

**LEGEND**

- C Copper
- S Sulphur
- T Tellurium
- M Magnesium
- Fe Iron
- Ni Nickel

**ASSAY VALUES**

W. core

**ASSAY ORDER**

1. 0.1% Cu

2. 0.1% S

3. 0.1% T

4. 0.1% M

5. 0.1% Fe

6. 0.1% Ni

**SCALE**

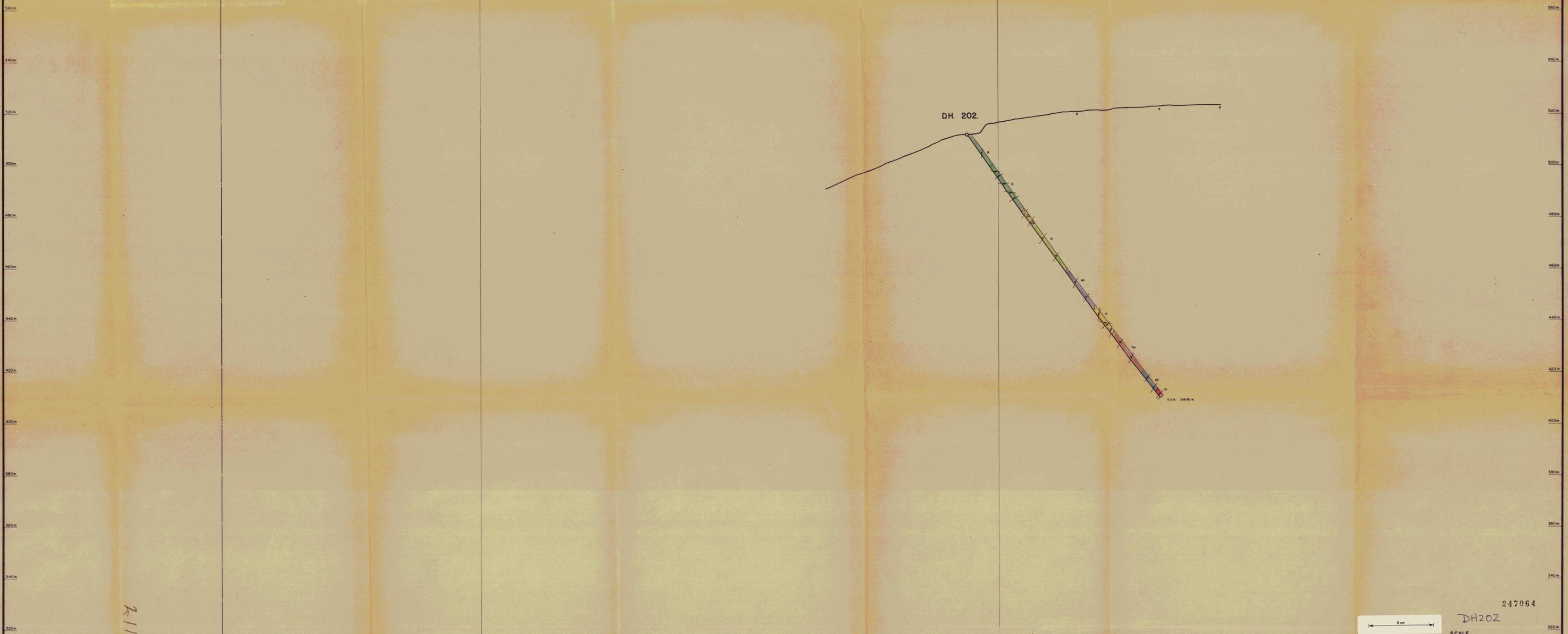
0 50 100 150 200

MCINTYRE MINES (AUST.) PTY. LTD.  
TASMINEX (KARA) OPTION  
**ASSAY SECTION 6418N**  
2112

Drawn by: S. Brinkman  
Work by: S. Brinkman & G. Smith  
Date: JUNE 1978  
Scale: 1:500

Revisions: \_\_\_\_\_  
Map No: 78/2AX  
Project No: 21081

LOOKING 360°



2113

LONGITUDINAL SECTION

397,500 E

397,700 E

NOTE: Geology from MEINTYRE Logs

**LEGEND**


247064  
DH202

5 cm

SCALE

MEINTYRE MINES (AUST) PTY. LTD.  
BURNE TASMANIA

TASMINEX (KARA) OPTION

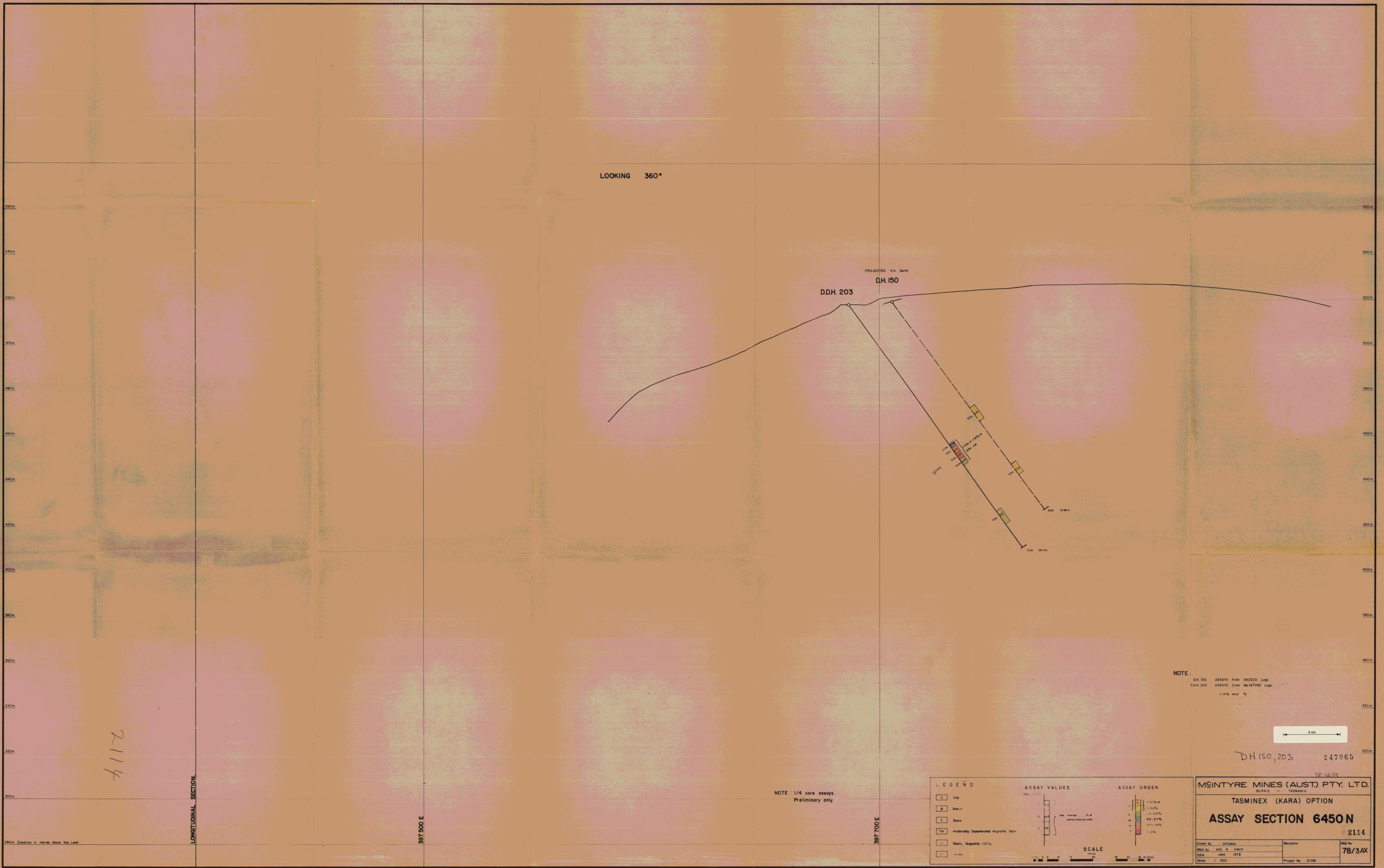
**DRILL SECTION 6418 N**  
**GEOLOGY.** 2113

Drawn by: SFD/SSM  
Scale: 500  
Date: JUNE 1978  
Project No: 21081

Revisions  
Map No: 78/2 GX

280m Elevation in metres above Sea Level

LOOKING 360°



2114

LONGITUDINAL SECTION

397 500 E

397 700 E

NOTE:  
 D.H. 150 ASSAYS From ANZECO Logs  
 D.D.H. 203 ASSAYS From MOUNTYRE Logs  
 > 1.0% AuLZ %



D.H. 150, 203 247065

NOTE: 1/4 core assays. Preliminary only.

**LEGEND**

- C Clay
- B Basalt
- T Skarn
- Tm Moderately Disseminated Magnetite Skarn
- Sk Skarn, Magnetite >50%
- Gr Gravel

**ASSAY VALUES**

Core (m)

1	0.2
2	0.4
3	0.6
4	0.8
5	1.0
6	1.2
7	1.4
8	1.6
9	1.8
10	2.0

AVE. Average % Au  
 MAX. Maximum % Au

**ASSAY ORDER**

1	0.1-0.2%
2	0.2-0.4%
3	0.4-0.7%
4	0.7-1.0%
5	1.0-1.2%

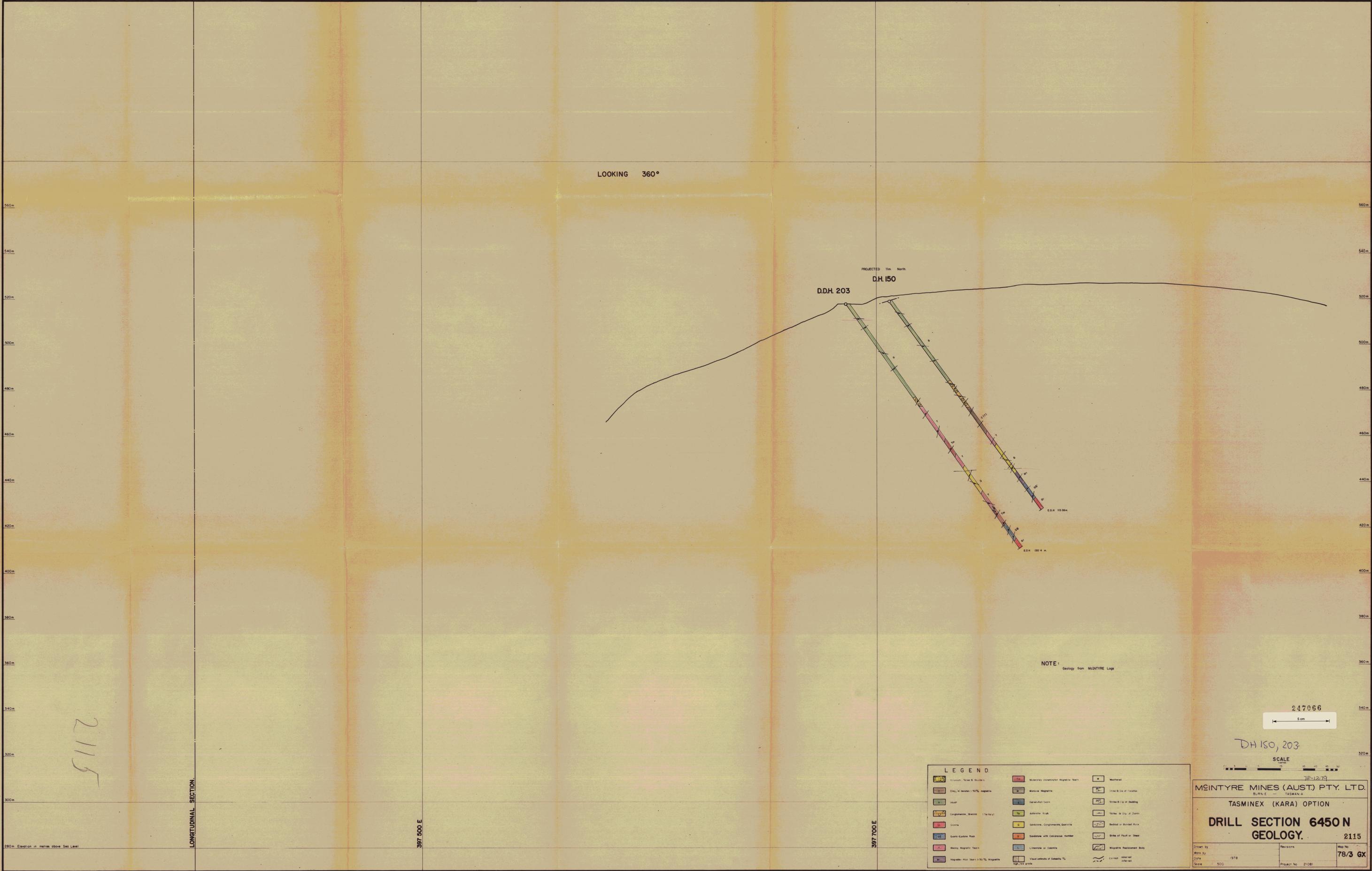
**SCALE**

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

MOUNTYRE MINES (AUST.) PTY. LTD.  
 TASMINEX (KARA) OPTION  
**ASSAY SECTION 6450N**  
 2114

Drawn by: [ ] Revisions: [ ]  
 Made by: DFD & GWHIT Date: JAN 1978  
 Scale: 1:500 Project No: 21081

LOOKING 360°



NOTE: Geology from MCINTYRE Logs

2115

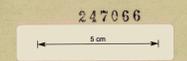
LONGITUDINAL SECTION

397 500 E

397 700 E

280m Elevation in metres above Sea Level

LEGEND		



247066

5cm

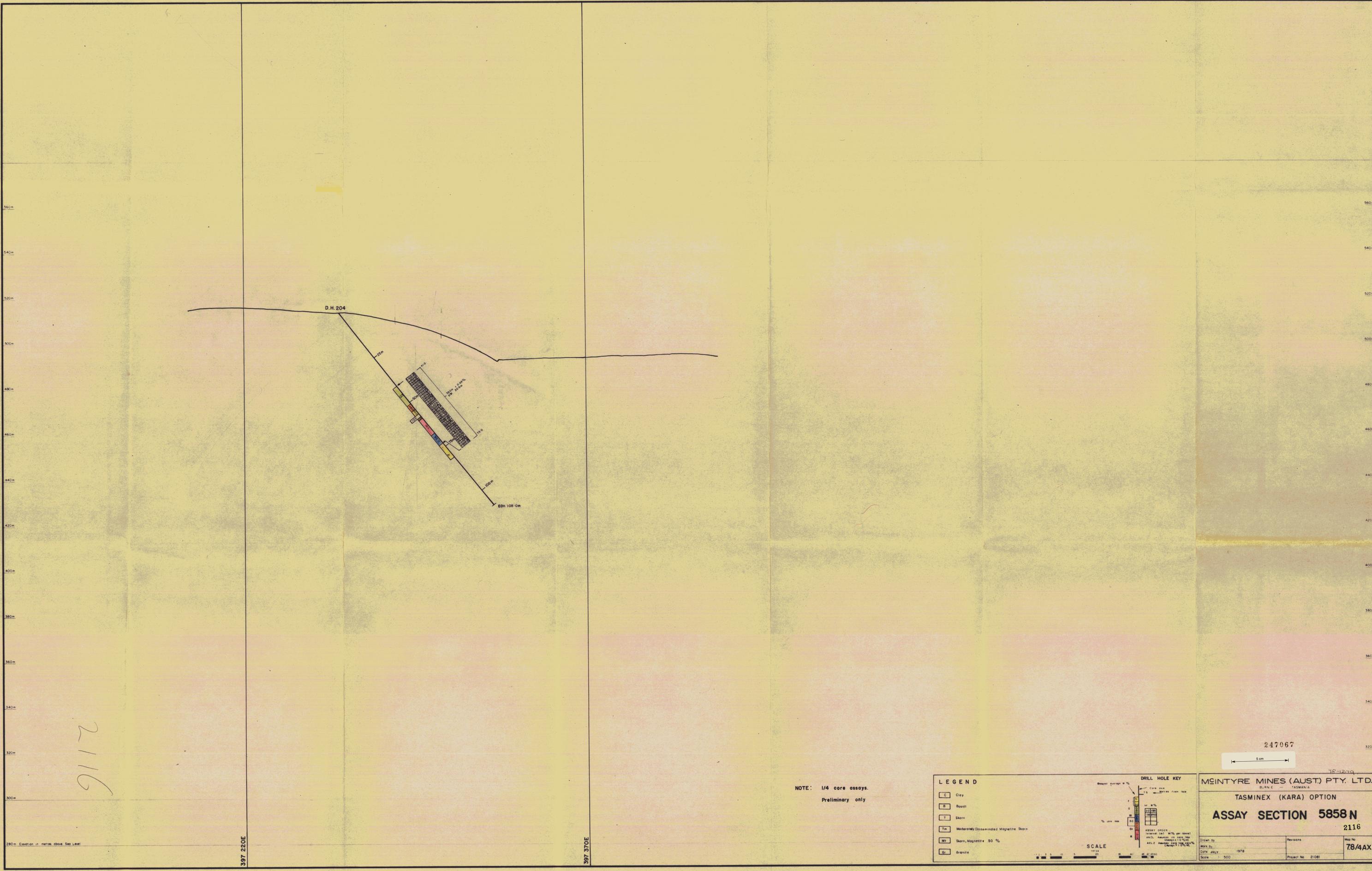
DH 150, 203

MEINTYRE MINES (AUST) PTY. LTD.  
BURNIE TASMANIA

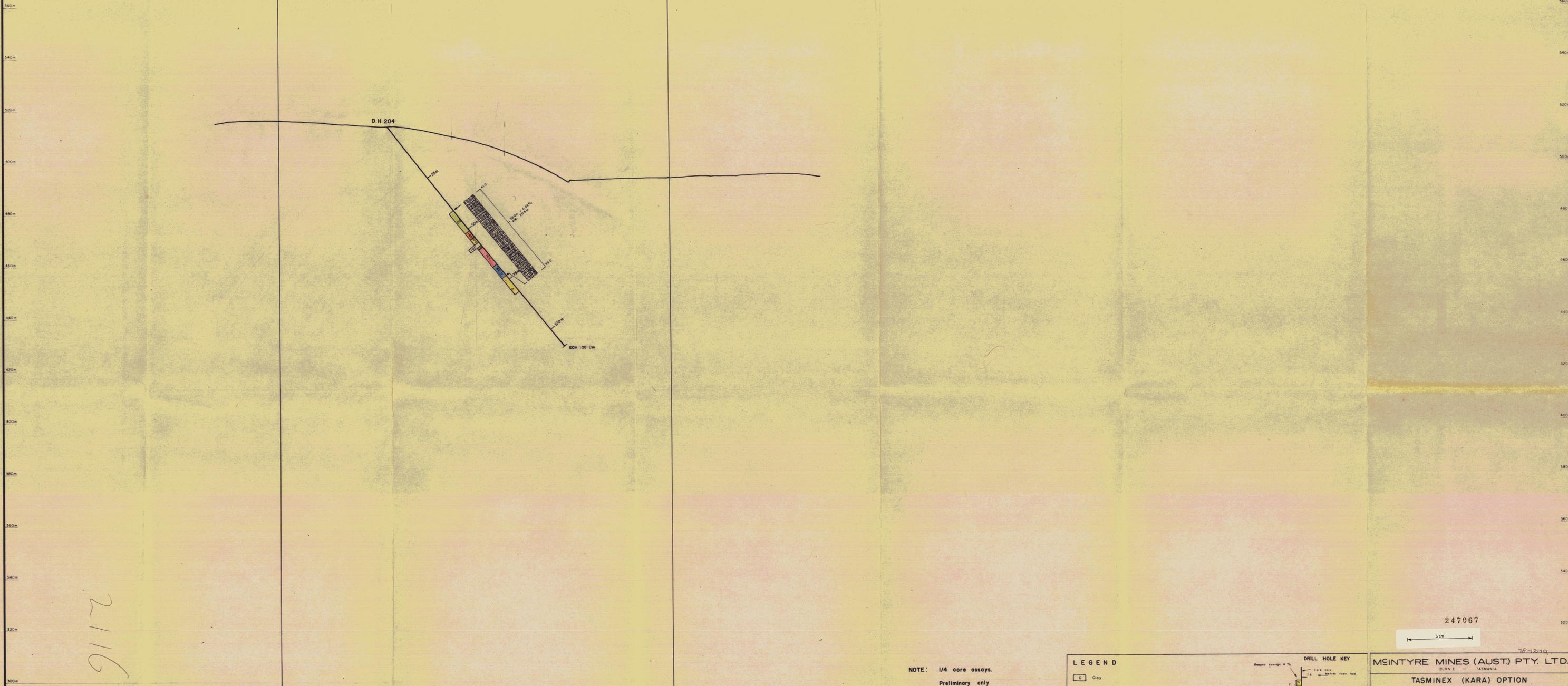
TASMINEX (KARA) OPTION

**DRILL SECTION 6450 N**  
**GEOLOGY.** 2115

Drawn By	Revisions	Map No.
Date		78/3 GX
Scale	Project No. 21081	



2116



397 220E

397 370E

NOTE: 1/4 core assays.  
Preliminary only

<b>LEGEND</b>		<b>DRILL HOLE KEY</b> 	<b>McINTYRE MINES (AUST.) PTY. LTD.</b> TASMANIA	
C	Clay		<b>TASMINEX (KARA) OPTION</b>	
B	Basalt		<b>ASSAY SECTION 5858 N</b> 2116	
S	Skarn		Drawn By: _____ Date: APRIL 1978 Scale: 500	Revisions: _____ Mod No: <b>78/4AX</b> Project No: 21081
M	Moderately Disseminated Magnetite Skarn			
G	Granite			

247067



SCALE

280m Elevation in metres above Sea Level



LOOKING 360°

DH. 152.

D.D.H. 205

Tasminex Pit



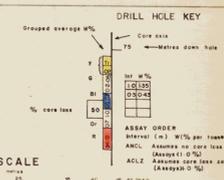
2118

LONGITUDINAL SECTION

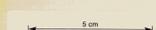
NOTE: 1/4 core assays.  
Preliminary only.

LEGEND

- C Clay
- B Basalt
- T Skarn
- Tm Moderately Disseminated Magnetite Skarn
- M1 Skarn, Magnetite 50%
- Gr Granite



SCALE

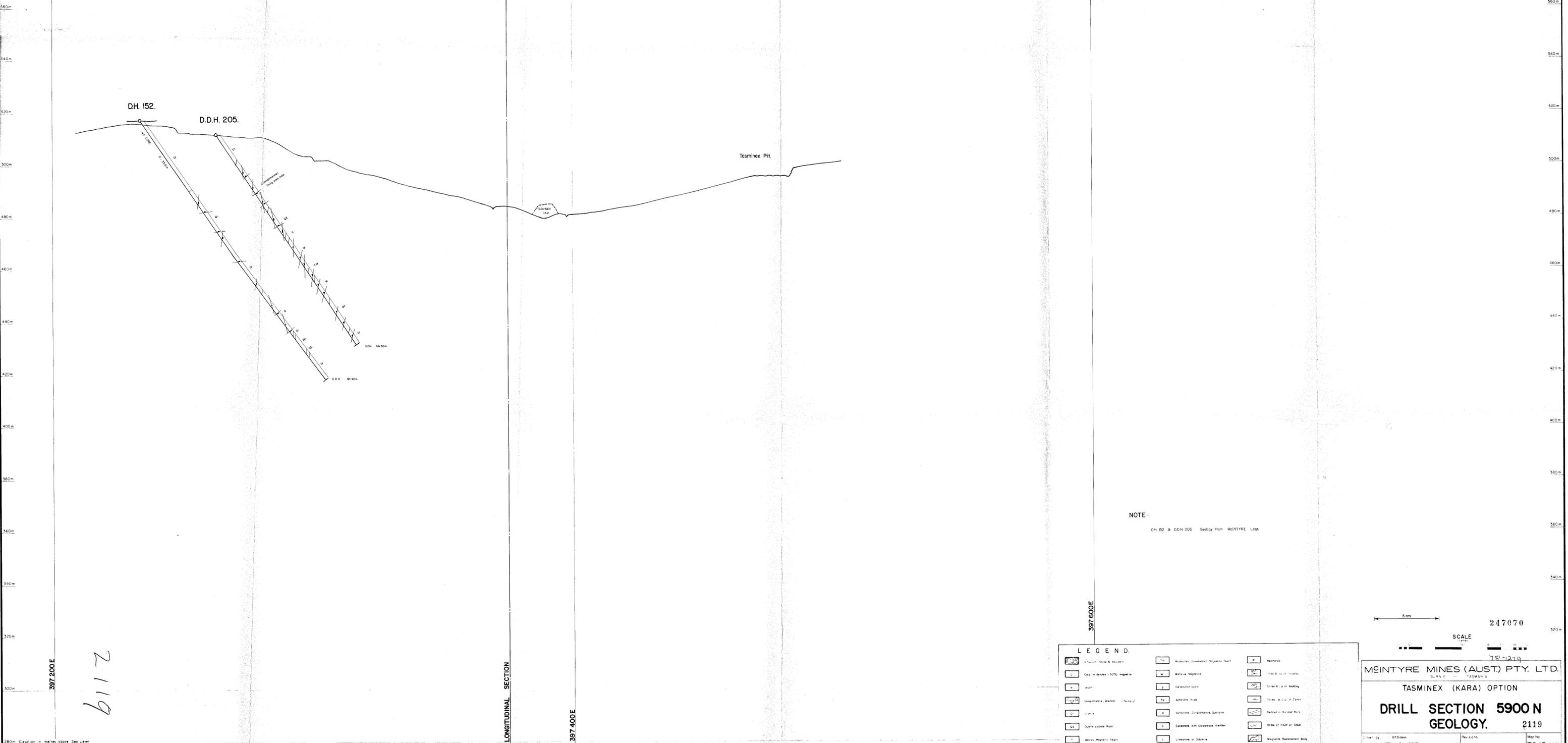


247069

**MCINTYRE MINES (AUST) PTY. LTD.**  
 TASMINEX (KARA) OPTION  
**ASSAY SECTION 5900N**  
 2118  
 78/5AX

Drawn by: JPD	Checked by: JPD	Revisions:	Mod No: 2118
Date: JUNE 1978	Scale: 1:500	Project No: 21081	9/78

LOOKING 360°



NOTE:

DH. 152 & D.D.H. 205 Geology from MCINTYRE Logs

397 600 E

LONGITUDINAL SECTION

397 400 E

397 200 E

2119

200m Elevation in metres above Sea level

LEGEND		

SCALE 1:247070

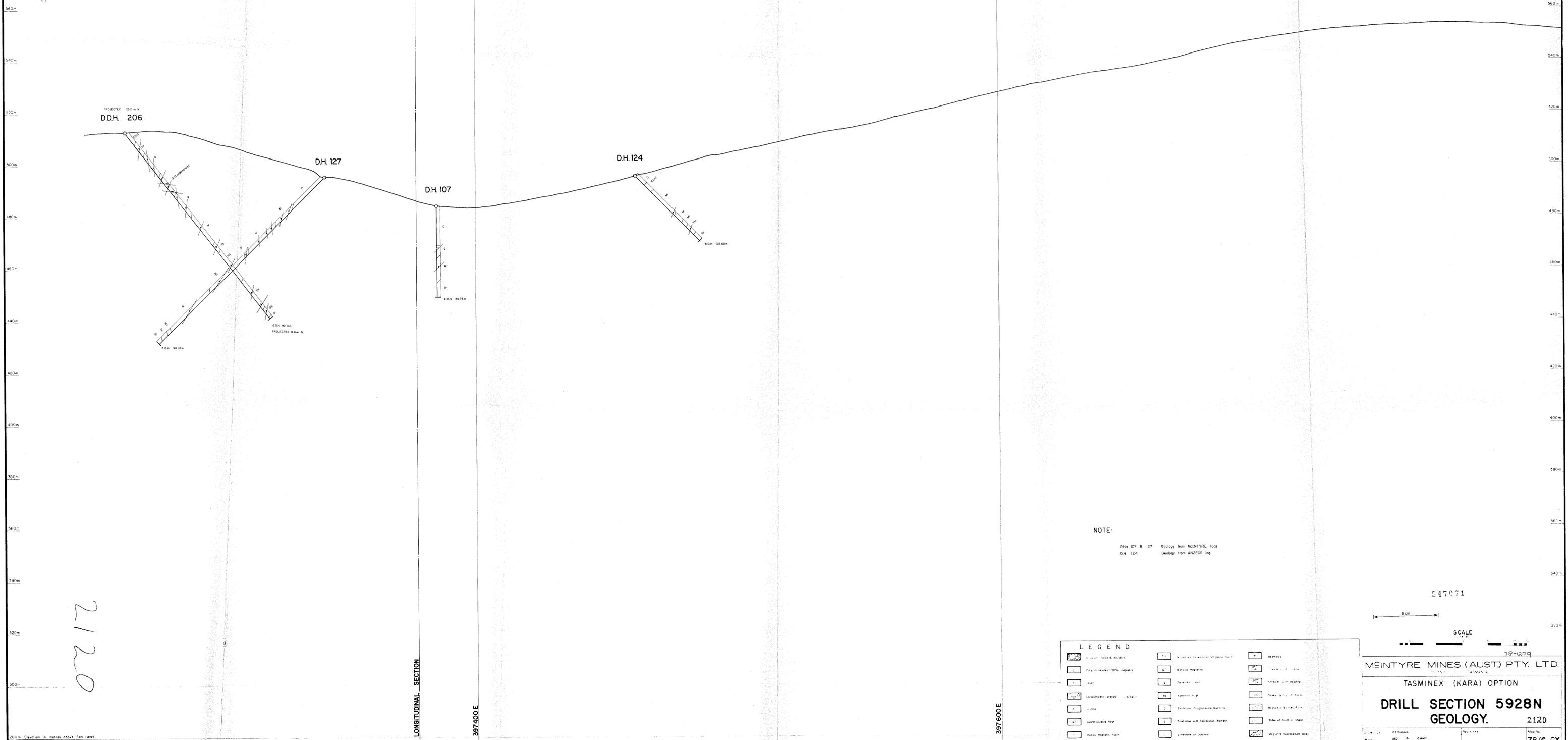
MEINTYRE MINES (AUST.) PTY. LTD.  
 TASMINEX (KARA) OPTION  
**DRILL SECTION 5900 N**  
**GEOLOGY.** 2119

Drawn by: D. G. Green  
 Checked by: J. W. G. Green  
 Date: JUNE 1978  
 Scale: 500

Project No. 21081

Map No. 78/5 GX

LOOKING 012°



NOTE:

D.Hs 107 & 127 Geology from McINTYRE logs  
D.H. 124 Geology from ANZECO log

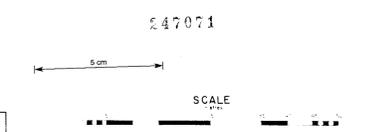
2120

LONGITUDINAL SECTION

397400E

397600E

LEGEND		



78-219

McINTYRE MINES (AUST) PTY. LTD.

TASMINEX (KARA) OPTION

**DRILL SECTION 5928N**

**GEOLOGY.** 2120

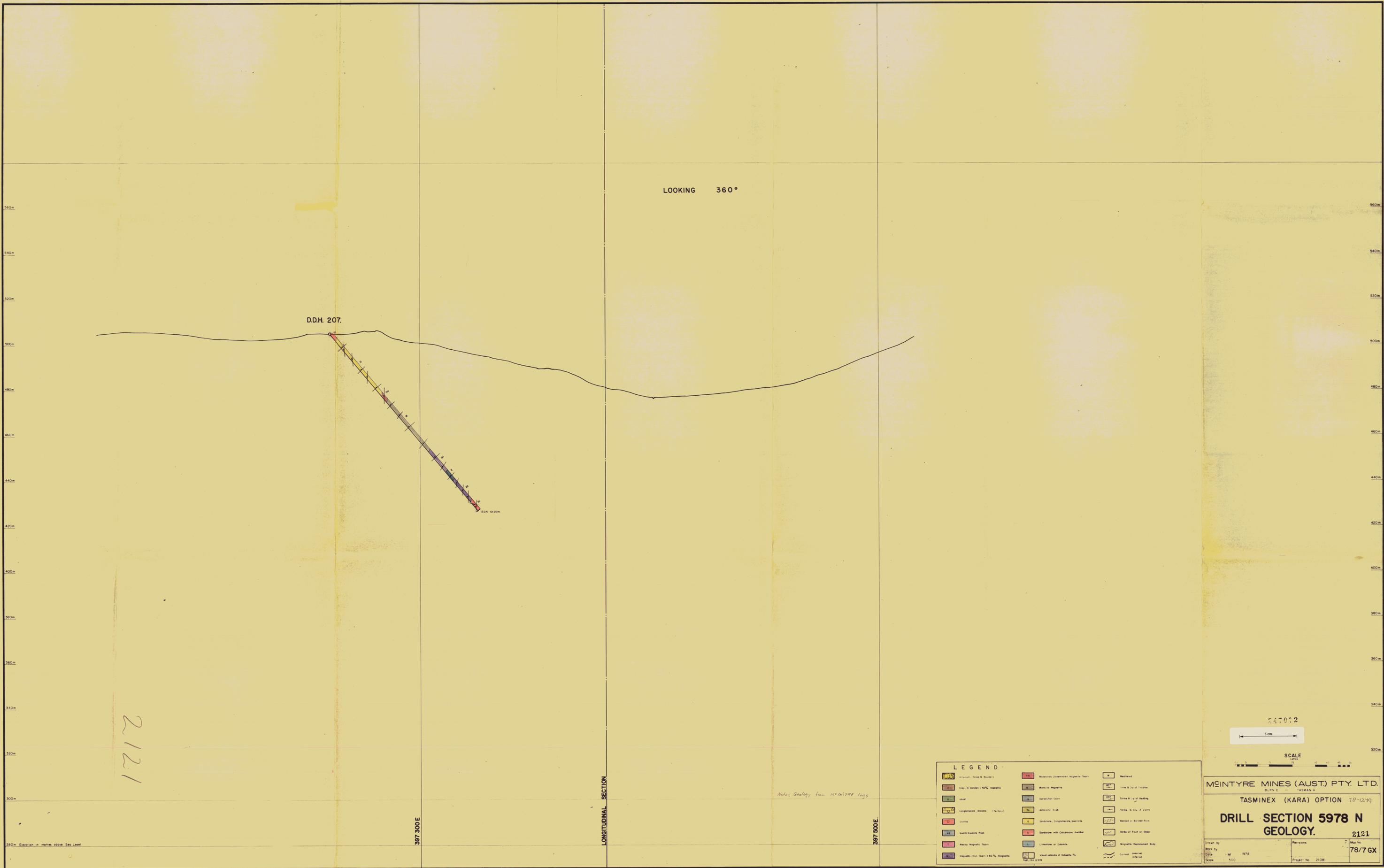
78/6 GX

DATE: 2008 JUN 27

BY: [Signature]

SCALE: 1:1000

PROJECT NO: 2108



LOOKING 360°

D.D.H. 207.

D.H. 60.20m

2121

397 300 E

LONGITUDINAL SECTION

397 500 E

Note: Geology from MINTYRE logs

**LEGEND**




MINTYRE MINES (AUST) PTY. LTD.  
 B.L.N.E. TASMANIA  
 TASMINEX (KARA) OPTION 78-1219  
**DRILL SECTION 5978 N**  
**GEOLOGY.** 2121  
 Drawn By: [Blank] Revisions: [Blank] Map No: 78/7GX  
 Date: 1st 1978  
 Scale: 500 Project No: 21081

LOOKING 360°

D.D.H. 208

TASMINEX MILL WATER POND

397 300 E

LONGITUDINAL SECTION

397 500 E

**LEGEND**



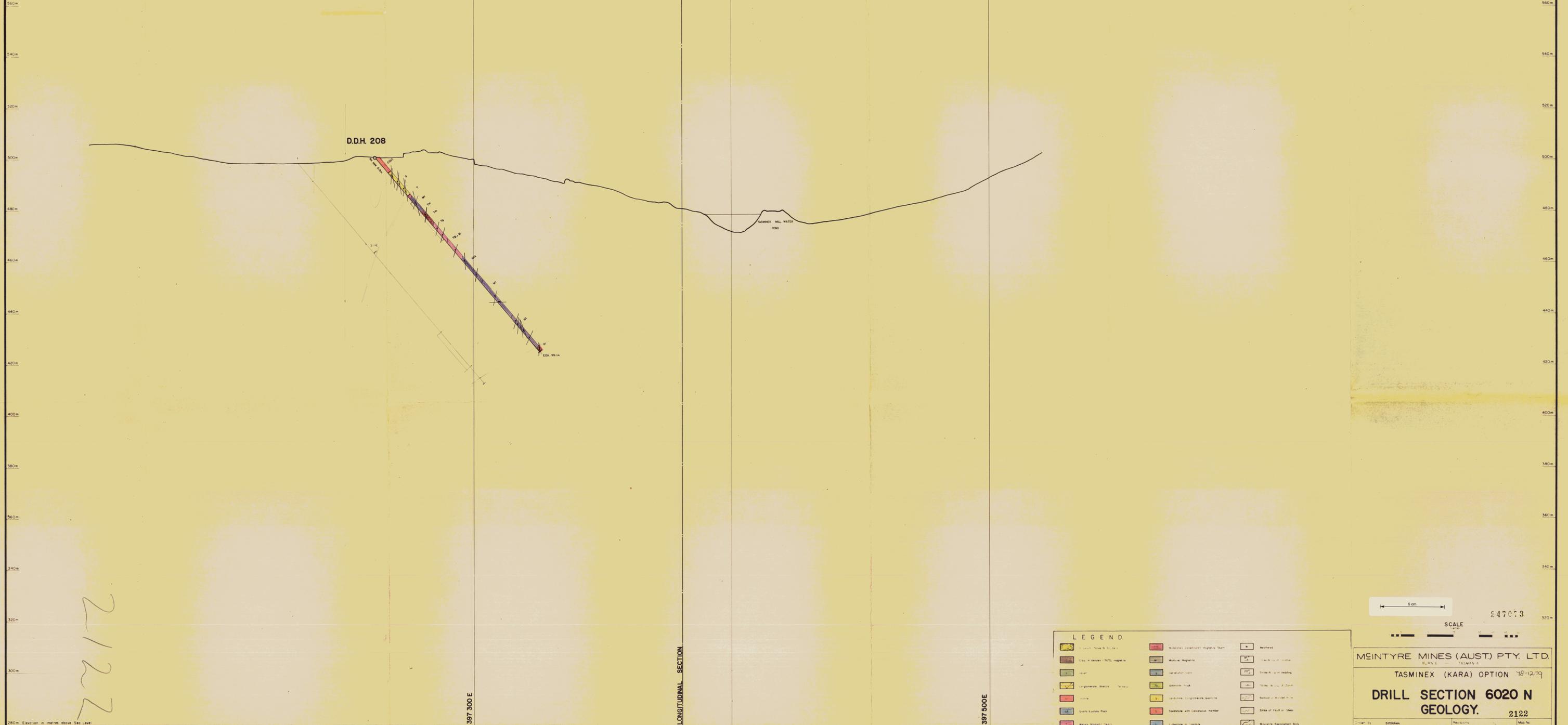

247073

SCALE

MEINTYRE MINES (AUST) PTY. LTD.  
 TASMINEX (KARA) OPTION 18-12-19  
**DRILL SECTION 6020 N**  
**GEOLOGY.** 2122

Drawn by: DFD/2008  
 Date: JULY 1978  
 Scale: 1:1000  
 Project No: 2108  
 Map No: 78/8 GX

2122





LOOKING 360 °

DDH. 210

DDH 107.5m  
depth of 127.5m

2124

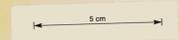
397 200E

397 300E

LONGITUDINAL SECTION

397 500E

LEGEND		



SCALE 1:47075

78-1279

MCINTYRE MINES (AUST) PTY. LTD.  
BULLI  
TASMANIA

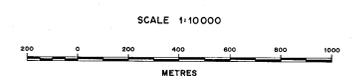
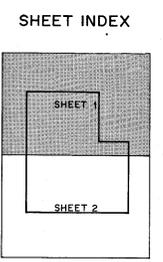
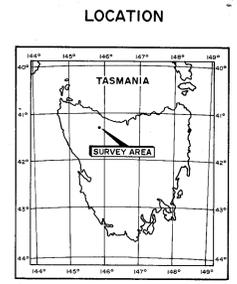
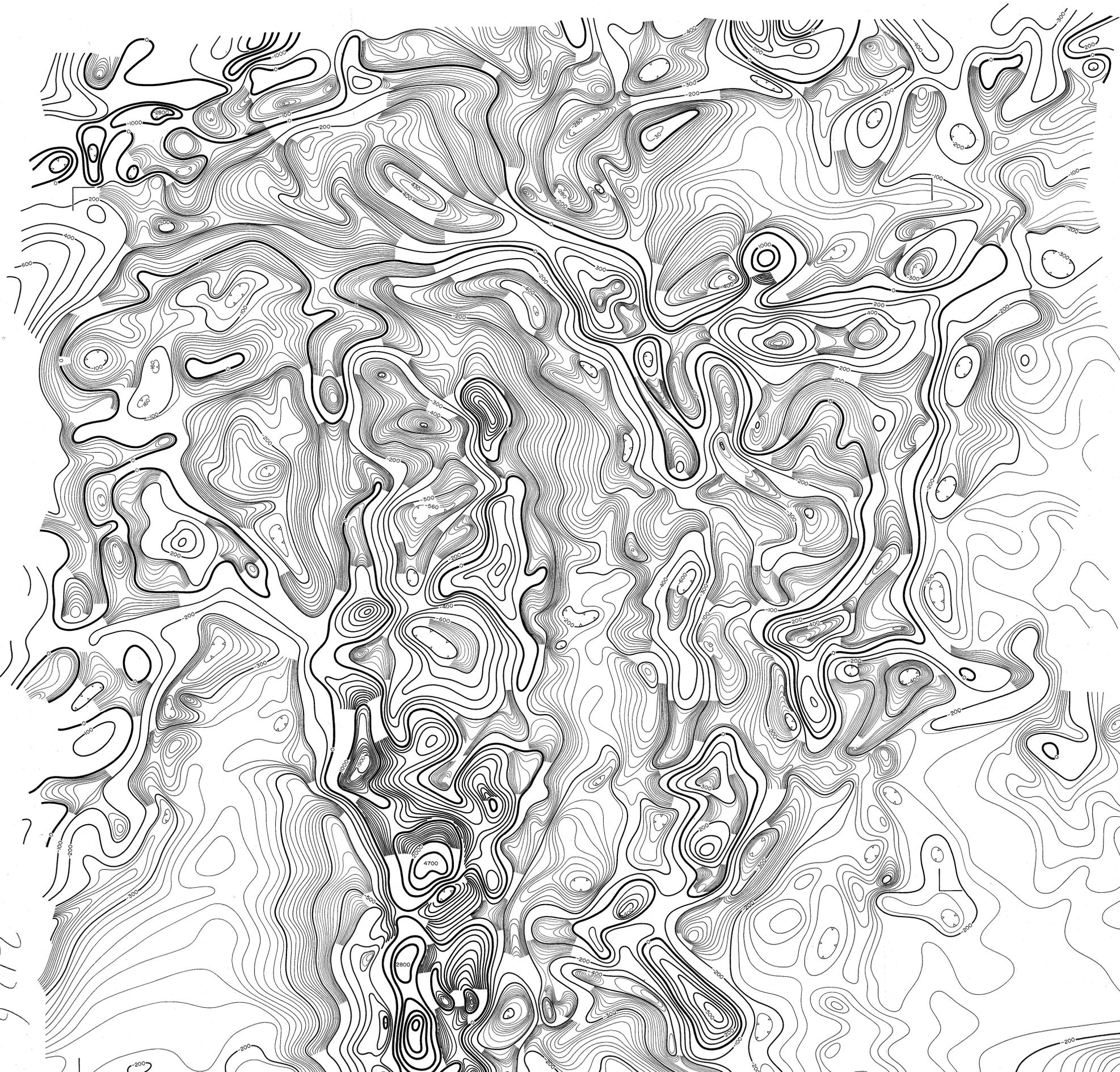
TASMINEX (KARA) OPTION

**DRILL SECTION 6070 N  
GEOLOGY.** 2124

Map No. 78/10 GX

Project No. 21081

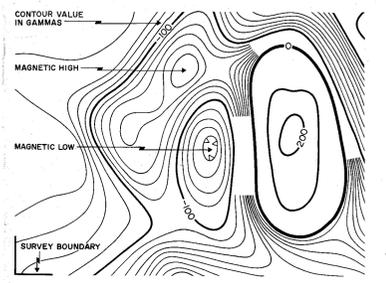




**SURVEY SPECIFICATIONS**

AIRCRAFT ..... BELL 206B HELICOPTER  
 MAGNETOMETER ..... VARIAN 4937A PROTON PRECESSION  
 USING TOWED BIRD CONFIGURATION WITH 50m CABLE  
 DIURNAL RECORDER ..... GEOMETRICS 6806 PROTON PRECESSION MAGNETOMETER  
 WITH CHESEL RECORDER AND CRYSTAL CLOCK  
 ALTIMETER ..... BONZER MK 10  
 ANCILLARY EQUIPMENT ..... GEDEX INTERVALMETER  
 GEDEX FILM DIGITAL RECORDER  
 CENTURY 444 6 CHANNEL ANALOGUE LIGHT BEAM RECORDER  
 VINTEN 16mm GROUND TRACKING CAMERA  
 READING INTERVAL ..... 1.0 SECONDS  
 NOMINAL AIRCRAFT SPEED ..... 65 KNOTS  
 NOMINAL AIRCRAFT SURVEY ALTITUDE ..... 90 metres  
 SENSOR CLEARANCE 75 metres

**REFERENCE**



CONTOUR INTERVAL : 10 GAMMAS



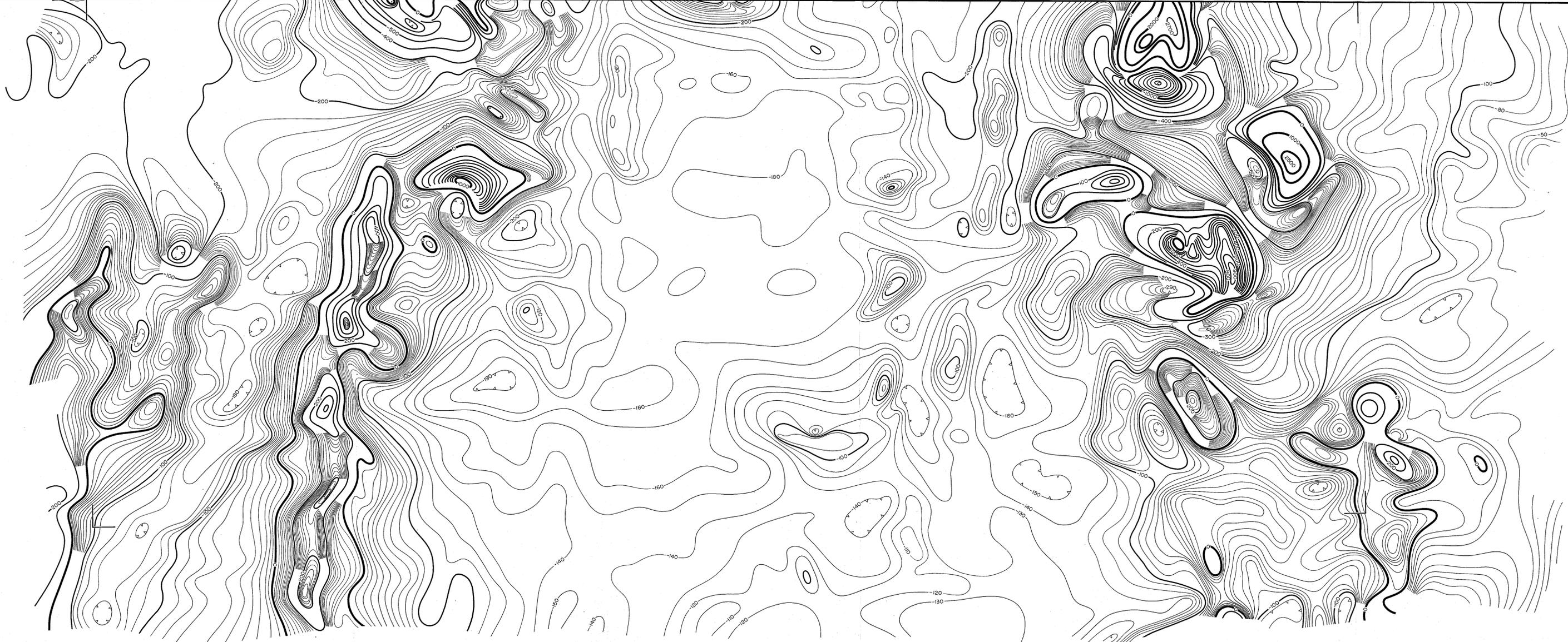
THE DATA HAS BEEN ADJUSTED FOR DIURNAL VARIATION WITH AN ADOPTED  
 VALUE OF 62330 GAMMAS AT THE DIURNAL BASE STATION SITUATED AT WHARF  
 AERODROME, 40°59'51" S AND 145°43'54" E. THE SENSOR HEIGHT WAS 3 m.  
 THE DATUM FOR THE TOTAL MAGNETIC INTENSITY CONTOURS IS THE  
 INTERNATIONAL GRID REFERENCE FIELD 1975-1.



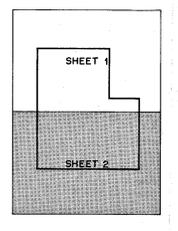
2126

247077

**GEOEX** PTY. LTD.  
 MINTYRE MINES AUST. PTY. LTD.  
**RIDGLEY AREA TAS.**  
**AEROMAGNETIC**  
**TOTAL INTENSITY CONTOURS**  
 SCALE 1:10000 2126  
 SURVEYED: JAN 78 APPROVED: J.E. HAIGH  
 DRAWN: KA PROJECT No: 21081 78/AM



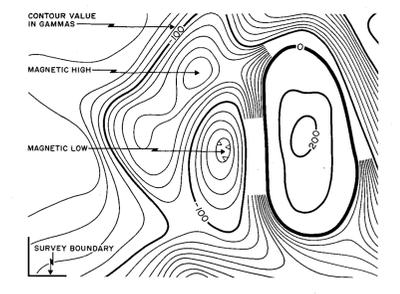
SHEET INDEX



SURVEY SPECIFICATIONS

- AIRCRAFT ..... BELL 206B HELICOPTER
- MAGNETOMETER ..... VARIAN 4937A PROTON PRECESSION USING TOWED BIRD CONFIGURATION WITH 30m CABLE
- DIURNAL RECORDER ..... GEOMETRICS 0806 PROTON PRECESSION MAGNETOMETER WITH CHESSER RECORDER AND CRYSTAL CLOCK
- ALTIMETER ..... BONZER Mk 10
- ANCILLIARY EQUIPMENT ..... GEOEX INTERVALMETER  
GEOEX FILM DIGITAL RECORDER  
CENTURY 444 6 CHANNEL ANALOGUE LIGHT BEAM RECORDER  
VINTEN 16mm GROUND TRACKING CAMERA
- READING INTERVAL ..... 1.0 SECONDS
- NOMINAL AIRCRAFT SPEED ..... 65 KNOTS
- NOMINAL AIRCRAFT SURVEY ALTITUDE ..... 90 metres  
SENSOR CLEARANCE 75 metres

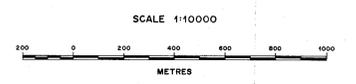
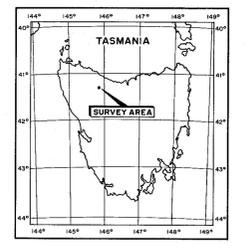
REFERENCE



CONTOUR INTERVAL : 10 GAMMAS



LOCATION



2127

THE DATA HAS BEEN ADJUSTED FOR DIURNAL VARIATION WITH AN ADOPTED VALUE OF 62330 GAMMAS AT THE DIURNAL BASE STATION SITUATED AT WHINYARD AERODROME, 40°59'51" S AND 145°43'34" E, THE SENSOR HEIGHT WAS 3m. THE DATUM FOR THE TOTAL MAGNETIC INTENSITY CONTOURS IS THE INTERNATIONAL GRID REFERENCE FIELD 1978-1.



247078  
78-1279

**GEOEX** PTY. LTD.

**MCINTYRE MINES (AUST.) PTY. LTD.**

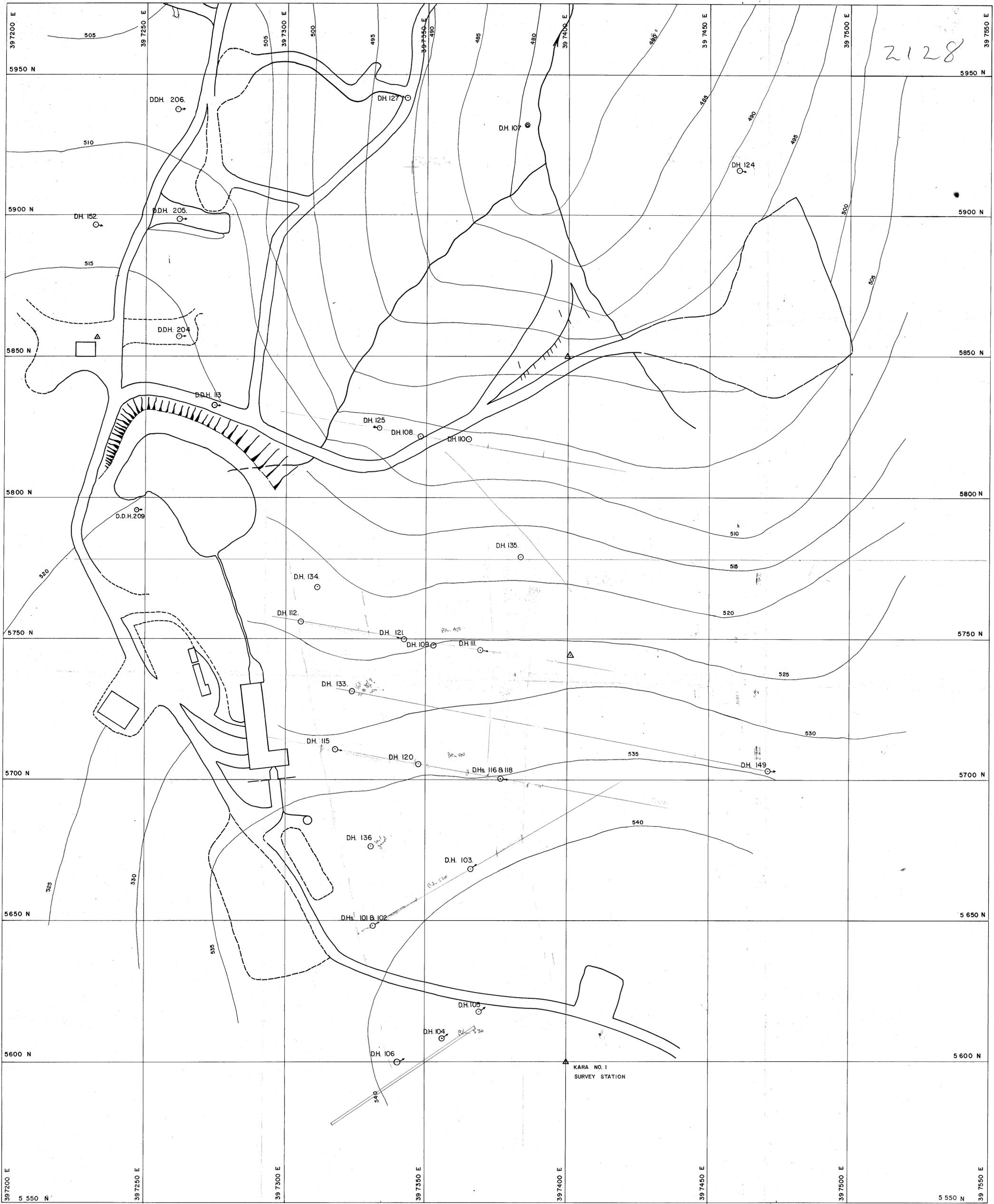
**RIDGLEY AREA - TAS.**

**AEROMAGNETIC TOTAL INTENSITY CONTOURS**

SCALE 1:10 000 2127

SURVEYED: JAN '78 APPROVED: J.E.HAIGH  
DRAWN: H.G. PROJECT NO: 21081 78/AM2

2128



SHEET INDEX

11	12	13
8	9	10
5	6	7
3	4	
1	2	

**LEGEND.**

Alluvium - Sand & Boulder	Micaceous Disintegrated Magnetite Shale	Westward	D.H. 136 Diamond Drill Hole
Clay, $w$ (Assays) > 50% Magnetite	Micaceous Magnetite	Strike & Dip of Fault	Other Drill Hole
Siltstone	Garnet-Rich Shale	Strike & Dip of Bedding or Bedding	Survey Station
Conglomerate, Breccia (Tertiary)	Actinolite Rock	Strike & Dip of Joints	Contour Interval, metres
Granite	Sandstone	Bedded or Banded Rock	Strike of Fault or Shear
Quartz-Epidote Rock	Sandstone with Calcareous member	Magnetite Replacement Body	Contact - Observed
Weakly Magnetite Shale	Limestone or Dolomite	Contact - Inferred	
Magnetite-Rich Shale > 50% Magnetite	Thin estimate of Scheelite %		

**DRILL HOLE KEY**

Grouped over core W%  
Core rate  
Metres down hole

100	100
90	90
80	80
70	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0

ASSAY ORDER - Interval (m) W% per tonne  
 ANAL - Assume no core loss (Assays < 1.0% W)  
 ANAL - Assume core loss zero (Assays > 1.0% W)

**SCALE.**  
metres

0 5 10 15 20 25

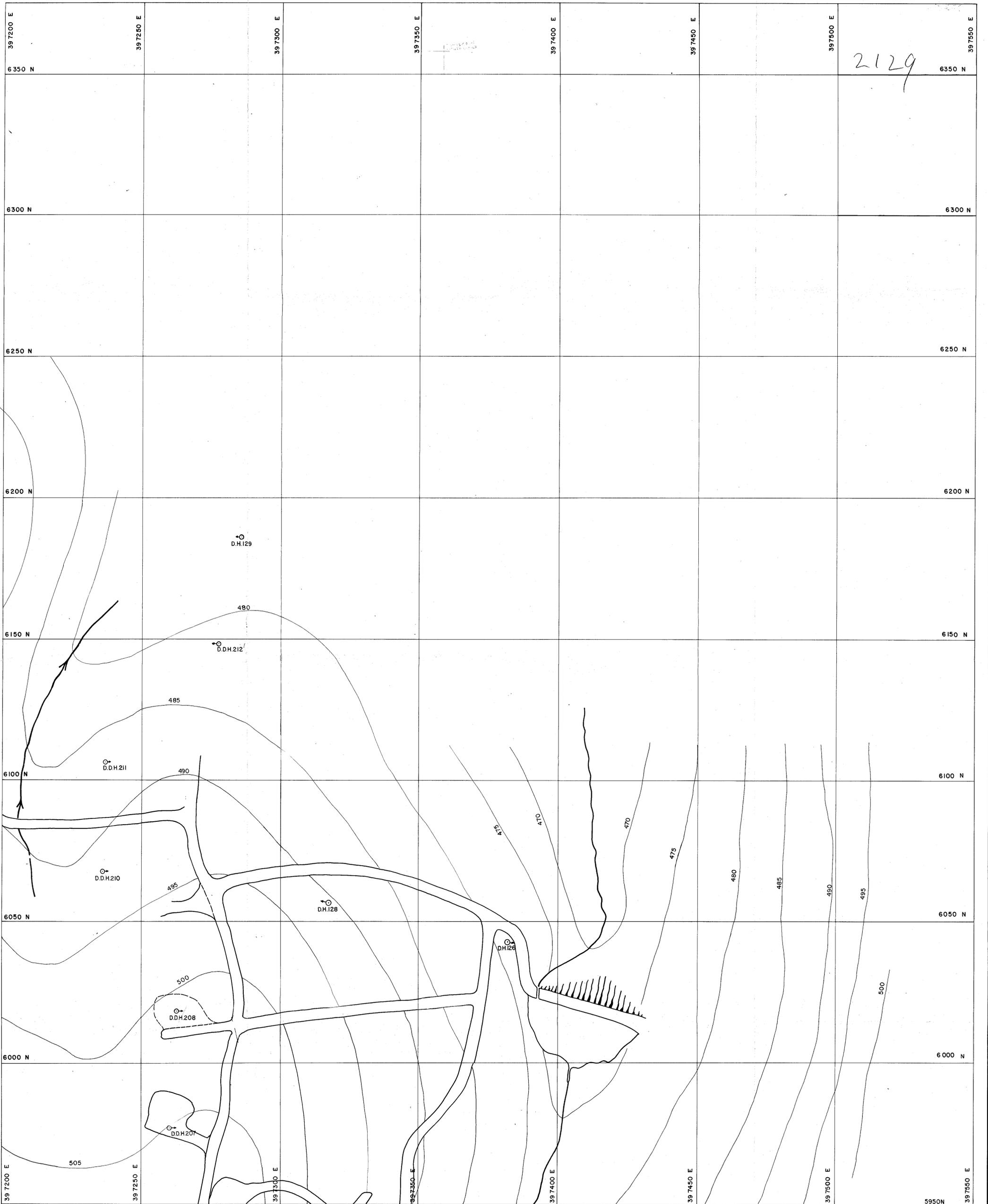
247019  
78-12-79

**MCINTYRE MINES (AUST.) PTY. LTD.**  
BURNIE - TASMANIA

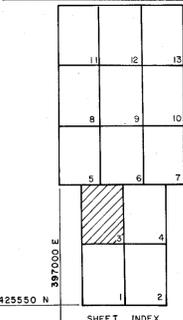
**TOPOGRAPHIC PLAN  
KARA NO.1**

2128

Drawn by	Revisors	Map No.
Work by		78/TI
Date 24 July 1978		
Scale 1:500	Project No. 21081	



2129



**LEGEND**

Alluvium - Silt & Boulders	Micropneumatized Magnetite Seam	Weathered	Diamond Drill Hole
Clay, W. Grades > 50% Magnetite	Magnetite	Strike & Dip of Rotation	Other Drill Hole
Sand	Garnet-Rich Skarn	Strike & Dip of Bedding or Banding	Survey Station
Conglomerate, Breccia (Tuffite)	Argillaceous Rock	Strike & Dip of Joints	Contour Interval, metres
Gravel	Sandstone, Conglomerate, Quartzite	Leached or Banded Rock	Assay Order
Quartz-Epidote Rock	Sandstone with Calcification Harder	Strike of Fault or Shear	Interval (m)
Magnetite Seam	Limestone or Dolomite	Magnetite Replacement Body	Wt% per tonne
Magnetite - Rich Seam > 50% Magnetite	Visual estimate of Sphalerite % High-Grade	Contact - Observed	Core data
		Contact - Inferred	Metres down hole

**DRILL HOLE KEY**

Interval (m) | Wt% per tonne

ANCL - Assumes no core loss (Assays < 1.0%)

ACLE - Assumes core loss zero (Assays > 1.0%)

**SCALE**

0 5 10 15 20 25 metres

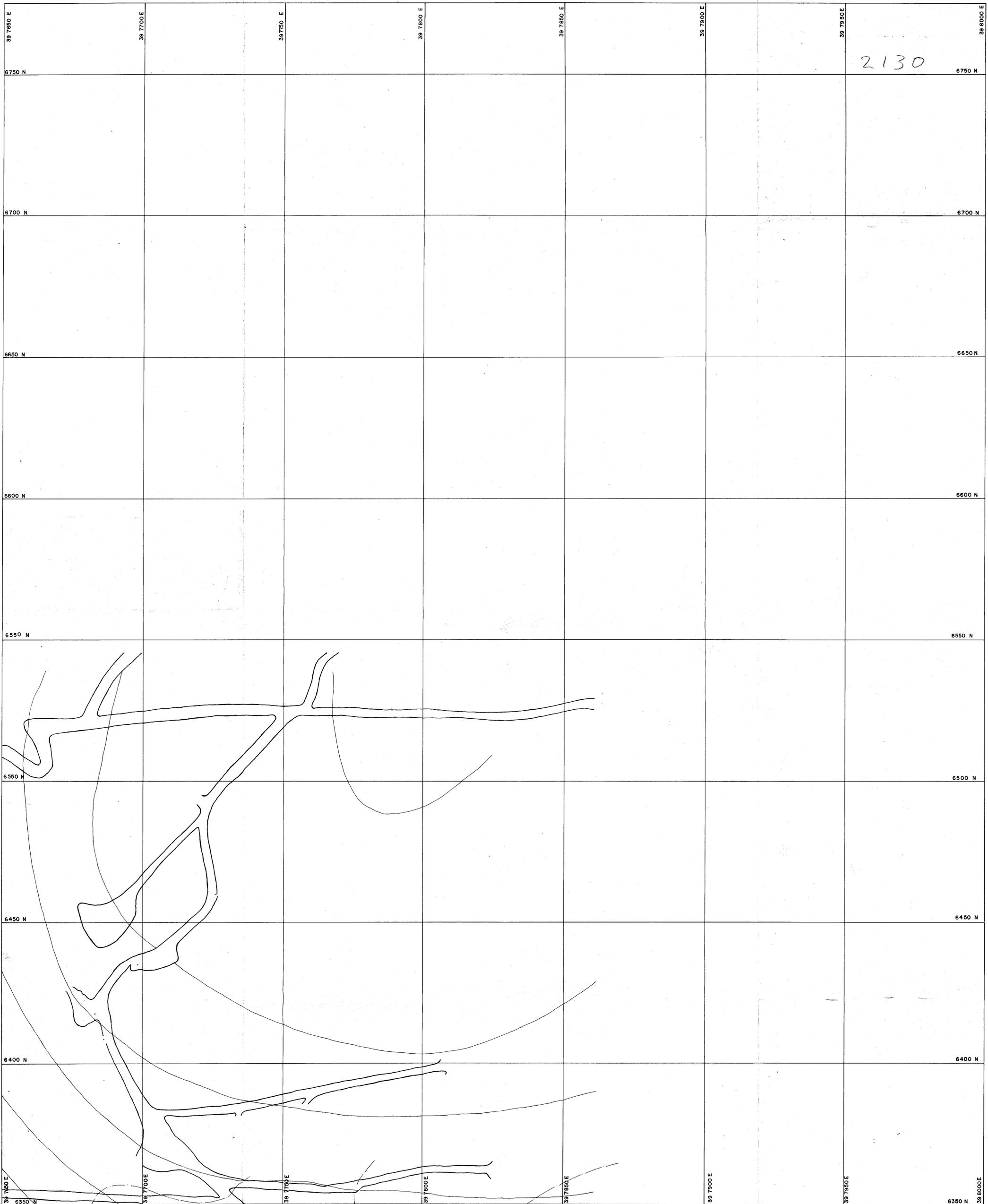
247080

**MCINTYRE MINES (AUST.) PTY. LTD.**  
BURBIE - TASMANIA

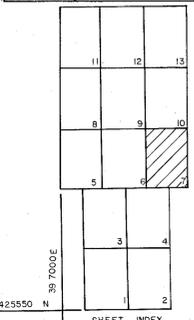
**TOPOGRAPHIC PLAN**  
KARA NO.1

2129

Drawn by:	Revisions:	Map No.
Work by:		78/T3
Date: 24 July 1978		
Scale: 1:500	Project No: 21081	



2130



**LEGEND.**

Alluvium - Silt & Boulder	Micaceous Disseminated Magnetite Skarn	Veiniferous	Diamond Drill Hole
Clay, in places > 50% magnetite	Massive Magnetite	Strike & Dip of Bedding	Other Drill Hole
Resalt	Garnet-Rich Skarn	Strike & Dip of Joints	Survey Station
Conglomerate, Breccia (Turkey)	Actinolite Rock	Bedded or Banded Rock	Contour Interval, metres
Gneiss	Sandstone, Conglomerate, Quartzite	Strike of Fault or Shear	
Quartz-Epidote Rock	Sandstone with Calcocous member	Magnetite Replacement Body	
Weakly Magnetite Skarn	Limestone or Dolomite	Contact - Observed	
Magnetite-Rich Skarn > 50% Magnetite	Visual estimate of Scheelite %	Contact - Inferred	

**DRILL HOLE KEY**

Interval (m) | Wt% per tonne

Assay Order: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

**SCALE.**

0 10 20 30 40 50 60 70 80 90 100

247081

**MCINTYRE MINES (AUST.) PTY. LTD.**  
BURBIE - TASMANIA

**TOPOGRAPHIC PLAN**  
**KARA NO. 1.**

2130

Drawn by:	Revisions:	Map No.
Work by:		78/T7
Date: 7th August, 1978	Project No: 21081	
Scale: 1:500		