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REPORT ON INVESTIGATIONS WITHIN

EXPLORATION LICENCE 7/85

NORTH WEST TASMANIA

BY

R.W. ANNETT

SEPTEMBER 1986

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Incorporated in Tasmania.

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1. INTRODUCTION

Exploration licence 7/85 designated the West Montagu E.L. was granted to Savage Resources Ltd. on the 21st August 1985 and covers an area of 176 square kilometres (Fig. 1.0.).

Field exploration in the first twelve months of tenure was restricted to less than 5 months when one landowner objected to Savage Resources entering onto "Illawong Plains". The matter was finally settled on the 11th March, 1986 but by then only a small portion of the anticipated first year's program could be implemented as personnel were committed elsewhere.

In the interim use was made of the splits from the Geopeko augering program to test this Company's exploration model and philosophies. Unfortunately the more important samples, i.e. Geopeko's infill work of 1983 designated TS 20851 - 22134, could not be traced.

The shortened field program included rock chip sampling, auger sampling and ground magnetic traversing of the northern domal prospect, results and subsequent interpretation of which are given in this report.

2. SUMMARY

The work completed during the last year has been directed towards Cambrian carbonates and haematitic siltstones within the Northern Domal Prospect.

As the outcrop in the prospect area is minimal a program of Wacker drilling was designed to cross the stratigraphy in a number of places, the start of which was delayed to such an extent that only a small reconnaissance program was finally attempted.

Ground magnetics successfully outlined rock unit contacts and revealed a number of similar shaped magnetic anomalies. Detailed magnetics revealed features conforming to aeromagnetic trends passing to the west and south of the prospect area. Reconnaissance magnetic profiles tended to confirm the sub outcrop geology pattern proposed by Geopeko.

Wacker drilling of a magnetic anomaly outlined an area of crystalline basic volcanics in what was previously interpreted as haematitic siltstones and carbonates. Geochemical results indicate an interesting zone of gold enrichment lying adjacent to a SW - NE trending fault.

Two horizons in the Cambrian succession are distinctive for their haematite content, but as yet no other mineralisation has been brought to light (MU / 0001 - 0009).

Reassays of some of Geopeko's samples from a augering program returned traces of gold.

3. RECOMMENDATIONS

1. Follow-up the Plowright grid gold anomaly with ground magnetics and augering. Closed spaced sampling using a larger auger rig (Jacro?) would accurately delineate the extent of these anomalies.

2. Follow-up the discrete magnetic anomaly as outlined by traverse 4 (Fig.3.4.) with a cut grid, ground magnetics and augering. Bearing in mind the proximity of the Geopeko drilling the chance of this anomaly lying within the lower carbonate unit is good.

3. Extend the Plowright grid to the north towards Robbins Beach, follow-up with magnetics and augering.

4. Outline any possible faults and/or sheared contacts within the Cambrian volcanics, i.e. Plowright Grid Fault and Jims Plain Fault.

4. PREVIOUS WORK

This part of Tasmania appears to have missed the main thrust of West Coast exploration, the search for minerals having been frustrated by the extensive cover of Quaternary deposits which effectively mask most of the underlying geology.

Early prospectors have left no mark their nearest fields being well south of the Arthur River at Temma and Balfour.

Literature searches by the many companies which have held this ground, often as part of very large exploration licences, have revealed only a few significant results summarised below;

- (i) Pickands Mather (1968), E.Z. Co. (1970) and Aberfoyle (1978) evaluated the cassiterite bearing beach sands at Ann Bay. Although early work suggested a deposit containing 2.5 million tons at 134 ppm Sn subsequent work downgraded the tin content to 10 - 20 ppm.
- (ii) As part of a regional drainage geochemical survey of North West Tasmania in 1978 CRAE collected a number of panned concentrate samples one of which on a tributary of the Welcome River returned 220 ppm Sn.

In 1971 an area at the mouth of the Montagu River was investigated by Nickelton Mining Co. Geophysics were used to target a hole following the discovery of pyrite and gossanous haematite-goethite in mudstones and haematitic siltstones overlying the Cambrian basic volcanics. Results were negative and the area abandoned.

Modern exploration began with Geopeko in 1981 as E.L. 25/80 covering an area from Robbins Island to the Arthur River. Exploration was targetted on tin or tungsten replacement deposits of the Renison Bell or King Island Scheelite type.

Evidence from a detailed aeromagnetic survey flown in 1981 led to a re-interpretation of the stratigraphy and structure culminating in an unpublished 1:40000 Geological Map (Pemberton, 1982), providing an

addition to the Department of Mines 1:250000 Burnie Geological Sheet which is still the only available published geological mapping.

Exploration by Geopeko, until their demise in Tasmania in 1984, continued with ground follow-up of magnetic anomalies and a regional geochemical and rock chip sampling program. Their final summing up concluded that the presence of geochemically anomalous carbonate beds and the likelihood of the Three Hummock granite persisting at depth makes the ground of high exploration potential.

5. EXPLORATION PHILOSOPHIES AND TARGETS

The concept of tin-tungsten mineralisation occurring as skarn or replacement bodies within the carbonates has not been disproved by previous exploration, merely the amount of prospective ground has been reduced around the Jims Plain Dome area.

Features to emerge from recent work could suggest the presence of other metal associations, as yet not analysed, within areas of interesting bedrock geochemistry. Notably a gold association may accompany various samples already known to contain either high total iron, silver or arsenic.

The geological setting is also favourable for other targets:

- (i) stratiform lead-zinc-silver deposits within the lower carbonate unit.
- (ii) disseminated gold mineralisation within the Cambrian basic volcanics, especially their sheared contacts.

6. REASSAYS - GEOPEKO MATERIAL 1982.

The geochemical results from Geopeko's first phase of Jacro 200 augering indicated a number of interesting zones in the stratigraphy. In particular on Robbins Beach opposite Robbins Island the lower carbonates appeared geochemically anomalous in Zn, Ni, Cu and As.

While fieldwork was halted samples from Geopeko's 1982 drilling program were traced and some of the material reassayed for gold (App. 1.0.). Samples from their 1983 close spaced drilling program were not available.

Sample selection for reassay was not restricted to geochemically anomalous samples but tried to include a number of differing rock types from various parts of E.L. 7/85 (Fig. 2.0.).

Descriptions of the rock type sampled and its exact location are missing from Geopeko reports but reassay results indicate that most rock types return traces of gold.

7. FIELDWORK 1986

7.1. Introduction

Although all legal requirements had been met by the Company permitting access onto "Illawong Plains" after the 11th March, 1986 the situation is still unsettled. In particular the owner is still insisting on compensation for sundry day to day events adding to the tension and making continued exploration difficult.

Compounding the late start was an unusually wet period which put a lot of paddocks under water and made the surface quite boggy. The initial exploration program called on extensive traversing across many paddocks, requiring some cutting of lines through wind breaks and flattening of grass from vehicular traffic. At this stage of negotiations it was thought best for all parties to curtail the exploration program until the following year.

Some reconnaissance work was completed over the northern domal prospect.

7.2. Rock Chip Sampling

Geological mapping had confirmed earlier suspicions that the northern domal prospect is extensively covered by recent beach sands. Rock outcrop is limited to the surrounding basalt scarp and, at low tide, the Montagu River. There is no outcrop of the lower carbonate bed. Some outcrops of haematitic siltstones were sampled for geochemical coverage, results were ordinary (App. 2.0.).

7.3. Magnetics

The prospect is characterised by quiet magnetics having a gentle north falling gradient in the range 210 - 170 nT. Trends are not apparent although a large dislocation of the magnetics within the surrounding Cambrian basic volcanics, trending WSW - ENE, has a slight influence on the magnetic contours within the prospect at 5485000m N, 324000m E (Geopeko, Pemberton 1983, Plan 2.).

7.3.1. Reconnaissance

Eight fence-lines thought to cross-cut the geology were traversed using a Geometrics G816 proton magnetometer to determine if geological contacts and/or discrete magnetic anomalies could be outlined. Distances were paced and cross-referenced to salient ground features for plotting. Magnetic data was recorded every 25 metres, northings and eastings are not transferable between lines (Fig. 3.0.).

The ground traverse data reflects the airborne magnetic signatures. Most profiles reveal smooth, "quiet" magnetics (Figs. 3.1. - 3.8.). Basalt contacts are evident and conform to Geopeko's interpreted rock distribution. The response over the haematitic siltstones is subdued while its possible contact with the lower carbonate unit may result in the positive magnetic level shift seen in Figs. 3.4. and 3.6. Discrete magnetic anomalies, of the order 100 nT's, were detected. One magnetic anomaly within traverse 7, Fig 3.7., was of sufficient interest to warrant additional magnetic work.

7.3.2. Plowright Grid

Access to the grid is good requiring no off-track driving, the area is open and flat. The grid was established using compass and chain, pegs were removed upon completion of the survey although some along fence-lines were kept for future reference.

Eleven lines were sufficient to define the anomaly, the data is presented as a contoured plan map (Fig. 4.0.) and stack profile (Fig. 5.0.).

The outlined magnetic features strike 150° true and have the same trend as the aeromagnetic data passing 2 km to the west of the prospect area.

The pattern is somewhat complicated by a possible SW trending fault which cuts and offsets the anomaly on line 9800N (Fig. 4.0.). Several south-west features are also apparent in the aeromagnetic data, in particular one major aeromagnetic dislocation could align with the proposed fault.

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The shape of the anomalies are similar, consistent with thin, shallow, quite strongly magnetic bodies dipping to the south-west (Fig. 5.0.). This structure appears discordant to the interpreted geology.

7.4. Wacker Bedrock Drilling - Plowright Grid.

The small drilling program had two functions. Firstly to allay land-owners fears of soil disturbance from an augering program, paving the way for a smooth start to the second years operations. Secondly to sample the bedrock for the source of the magnetic features.

Sampling consisted of 32 holes totalling 152.3m of drilling at an average of 4.8m per hole (App. 3.0.). Drilling commenced on 10m centres but opened to 25m and 50m spacings on lines 10050N and 9800N respectively (Fig. 6.0.).

The Wacker system was not able to penetrate deeper than about 8m, some 7 - 10m short of the anticipated depth of the magnetic source. Approximately 10cm of "soft bedrock" was recovered suitable for rock identification and geochemical analysis.

A preferred pyrrhotite-type mineral assemblage within the lower carbonate unit was one 'model' for the magnetic features but was quickly refuted when drilling returned basic crystalline volcanic material (App. 3.0.). Little rock variation was evident, however increasing haematite content (after magnetite?) occurred within the more magnetically active parts of the grid while the leached "siltstones" are probably a basic volcanic weathering product (line 9800N 10240, 10250E).

The extent of the basic volcanics was surprising, Geopeko's interpretation of the rock distribution suggested that haematitic siltstones and the rocks of the lower carbonate unit should dominate. Although these new findings may not alter the overall stratigraphy and structure of the Eocambrian and Cambrian rocks in the W. Montagu licence Geopeko's rock distribution must be considered suspect.

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Geochemical results are indicative of the basic volcanic rock, i.e. nickel and chromium are high while tin and tungsten are low. Iron occasionally rises above 10% but is not coincident with the rock descriptions detailing an increase in haematite. Manganese values are significantly high between 10100 - 10150E on line 9900N but with no mirroring rise in any other element. As expected copper and zinc register while lead often fails to register above the limit of detection. There is no clear elemental association (Fig. 6.1.).

Gold is noticeably anomalous between 10150 - 10300E on line 9800N (.039, .036, .014 and .034 ppm) perhaps accompanied by slightly increased iron values to around 9%. The positioning of these values adjacent to the postulated fault is encouraging bearing in mind Victorian Cambrian volcanics are good hosts for gold along their sheared contacts etc.

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8. REFERENCES

- | | | |
|---------------|------------|--|
| Large, R.R. | 1981 | Annual Report EL 25/80 Montagu 1981
Season. Unpub. report Geopeko. |
| Pemberton, J. | Feb., 1983 | Annual Report EL 25/80 Montagu 1982
Season. Unpub. report Geopeko. |
| Pemberton, J. | June, 1984 | Annual Report EL 7/83 and 8/83
Montagu 1983 Season. Unpub. report
Geopeko. |

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APPENDIX 1.0.GEOPEKO ROCK CHIP REASSAYSA.1.0. Sample Number, Approximate Location and Rock Chip
Sample Analysis.

Geochemical Reports:	TS 19727 - 19747	Analabs	236.1.08.3637B
	TS 19523 - 19840 (40)	"	236.1.08.3715B

Previous Analysis:	TS 19727 - 19747	Analabs	83.1.08.1517
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GEOPEKO ROCK CHIP REASSAYS

Sample Number	Approx.		Road or Paddock	Analysis Au ppm
	N	E		
TS 19727	86.88	20.80	Robbins Beach	x
TS 19728	86.78	20.97	" "	x
TS 19729	"	21.14	" "	.002
TS 19730	"	21.31	" "	x
TS 19731	"	21.48	" "	x
TS 19732	"	21.65	" "	I/S
TS 19733	"	21.82	" "	x
TS 19734	"	21.99	" "	.002
TS 19735	"	22.16	" "	.002
TS 19736	"	22.33	" "	x
TS 19737	"	22.50	" "	.009
TS 19738	"	22.67	" "	.004
TS 19739	"	22.84	" "	x
TS 19740	"	23.01	" "	.001
TS 19741	"	23.18	" "	x
TS 19742	86.68	23.35	" "	x
TS 19743	86.58	23.52	" "	.001
TS 19744	86.48	23.69	" "	x
TS 19745	86.38	23.86	" "	.001
TS 19746	86.29	24.03	" "	x
TS 19747	86.16	24.20	Robbins Beach	.004
TS 19523	77.86	22.48	Redbank Road	.001
TS 19533	77.50	21.50	" "	x
TS 19536	77.40	21.40	Redbank Road	.001
TS 19550	77.45	20.40	Redbank Road North	.001
Ts 19551	77.45	20.30	" " "	.003
TS 19555	77.46	20.00	" " "	x
TS 19556	77.46	19.90	" " "	.002
TS 19559	77.54	19.60	" " "	x
TS 19560	77.54	19.50	Redbank Road North	.004

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A.1.2.

GEOPEKO ROCK CHIP REASSAYS

Sample Number	Analytical Data Geopeko 1982 Field Season (Analabs)										
	Cu	Pb	Zn	Fe%	As	Ag	Ni	Cr	W	Sn	Ba
TS 19727	255	15	210	10.5	12	x	68	17	x	17	120
TS 19728	80	10	95	4.7	26	0.5	135	65	x	x	75
TS 19729	25	10	40	1.3	27	x	30	32	x	14	410
TS 19730	80	15	135	12.5	40	x	91	36	23	x	395
TS 19731	215	10	85	6.8	27	x	96	28	x	x	475
TS 19732	15	10	35	0.3	13	x	38	22	x	x	x
TS 19733	560	30	170	2.6	23	x	92	34	x	x	315
TS 19734	295	55	170	3.1	11	x	71	22	x	x	590
TS 19735	345	20	525	1.3	40	x	198	53	x	x	115
TS 19736	95	20	115	6.1	43	x	72	21	x	x	245
TS 19737	95	35	125	8.8	95	x	125	48	x	x	235
TS 19738	1400	10	1000	1.4	490	x	510	47	11	x	145
TS 19739	25	5	185	1.6	45	x	81	100	x	x	45
TS 19740	15	10	30	0.5	18	x	31	55	10	x	x
TS 19741	10	10	15	0.4	15	0.5	51	89	x	x	5
TS 19742	785	40	430	2.0	12	x	230	39	x	x	120
TS 19743	20	15	40	2.2	15	x	87	133	x	x	10
TS 19744	15	x	45	6.9	43	0.5	96	102	x	x	35
TS 19745	15	5	25	1.0	12	0.5	171	390	x	x	25
TS 19746	10	25	40	1.5	63	x	62	30	x	x	10
TS 19747	30	30	130	9.7	110	0.5	350	48	x	x	175
TS 19523	70	35	290	27.5	108	x	165	72	10	x	580
TS 19533	20	5	55	11.0	103	x	115	67	5	x	50
TS 19536	925	50	455	27.0	120	x	770	31	45	x	120
TS 19550	x	5	x	0.2	x	0.5	75	30	7	x	55
TS 19551	5	5	10	0.3	x	0.5	80	35	x	4	70
TS 19555	40	40	60	0.6	22	0.5	130	118	x	x	185
TS 19556	5	x	10	0.3	x	0.5	80	125	4	x	35
TS 19559	5	10	5	0.3	x	0.5	75	166	4	x	65
TS 19560	50	10	40	0.9	10	0.5	100	63	4	x	205

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A.1.3.

GEOPEKO ROCK CHIP REASSAYS

Sample Number	Approx.		Road or Paddock	Analysis Au ppm
	N	E		
TS 19578	76.60	18.33	North Quartzite Road	.003
TS 19579	76.72	18.12	" " "	x
TS 19587	75.46	19.52	" " "	.011
TS 19588	75.32	19.58	" " "	x
TS 19589	75.16	19.60	North Quartzite Road	x
TS 19601	73.90	20.16	Jims Plain Road	.012
TS 19602	73.83	20.20	Buckby's Road South	.009
TS 19607	73.62	19.24	" " "	.004
TS 19617	? 73.80	? 18.80	Buckby's Road South	x
TS 19663	74.88	16.92	Twenty-one Mile Road	x
TS 19674	76.00	16.40	South Quartzite Road	.004
TS 19675	76.20	16.36	" " "	x
TS 19676	76.40	16.34	" " "	x
TS 19679	76.88	16.04	" " "	x
TS 19680	77.00	15.90	" " "	x
TS 19682	77.20	15.60	" " "	.006
TS 19684	77.34	15.20	" " "	x
TS 19685	77.45	15.08	" " "	.001
TS 19686	77.64	15.00	" " "	x
TS 19689	78.20	14.90	South Quartzite Road	x
TS 19774	75.90	25.84	Paceys Paddock	x
TS 19789	76.16	24.36	Paceys Paddock	.003
TS 19790	76.20	24.34	Paceys Paddock	.001
TS 19797	? 77.18	? 26.96	Barcoo Road	.001
TS 19806	? 77.30	? 27.00	Barcoo Road	x
TS 19807	? 77.30	? 27.00	Barcoo Road	.014

GEOPEKO ROCK CHIP REASSAYS

Sample Number	Analytical Data Geopeko 1982 Field Season (Analabs)										
	Cu	Pb	Zn	Fe%	As	Ag	Ni	Cr	W	Sn	Ba
TS 19578	10	10	10	0.5	3	0.5	47	27	x	x	95
TS 19579	5	x	10	0.3	4	0.5	77	52	7	x	20
TS 19587	160	10	380	0.5	104	x	310	168	x	x	30
TS 19588	85	x	845	2.3	61	x	540	183	4	x	140
TS 19589	120	10	540	10.5	106	x	590	117	x	x	110
TS 19601	465	x	120	11.5	6	x	78	27	5	x	80
TS 19602	460	x	105	13.5	5	x	162	48	24	x	105
TS 19607	485	10	125	11.5	3	x	106	35	x	x	120
TS 19617	90	20	690	23.0	88	x	430	103	39	x	25
TS 19663	215	80	550	3.6	29	x	240	14	x	x	570
TS 19674	x	x	10	0.3	x	0.5	36	2	x	x	25
TS 19675	x	15	10	0.5	3	0.5	46	33	x	x	50
TS 19676	5	5	15	0.6	2	0.5	28	4	x	x	160
TS 19679	5	5	20	0.3	2	0.5	125	145	x	x	130
TS 19680	5	x	30	0.5	20	0.5	75	210	x	x	40
TS 19682	75	10	290	4.8	35	1.0	310	35	x	4	185
TS 19684	270	40	30	0.4	17	0.5	56	7	x	5	620
TS 19685	185	10	40	0.9	16	0.5	80	29	x	x	1100
TS 19686	35	5	85	4.4	2	0.5	210	119	x	x	335
TS 19689	40	x	60	2.4	6	1.0	64	84	x	x	170
TS 19774	10	x	40	0.8	9	1.5	43	174	15	x	55
TS 19789	100	10	140	6.0	44	x	310	220	7	x	40
TS 19790	45	15	220	8.5	76	x	520	124	x	x	125
TS 19797	25	x	45	1.6	x	1.0	166	176	x	x	75
TS 19806	35	10	30	3.1	5	0.5	88	90	x	x	245
TS 19807	55	5	50	7.5	14	0.5	35	78	x	x	380

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A.1.5.

GEOPEKO ROCK CHIP REASSAYS

Sample Number	Approx.		Road or Paddock	Analysis Au ppm
	N	E		
TS 19808	80.12	28.48	Wilson's Paddock	.001
TS 19835	79.33	26.00	East of Montagu River	x
TS 19836	79.36	25.88	" " "	.001
TS 19839	79.40	25.56	" " "	x
TS 19840	79.42	25.45	East of Montagu River	x
Method				334
Detection				.001

Note: x Below limit of Detection.

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A.1.6.

GEOPEKO ROCK CHIP REASSAYS

Sample Number	Analytical Data Geopeko 1982 Field Season (Analabs)										
	Cu	Pb	Zn	Fe%	As	Ag	Ni	Cr	W	Sn	Ba
TS 19808	75	5	85	2.8	12	0.5	132	270	x	x	160
TS 19835	25	5	70	2.8	6	1.0	78	170	x	x	40
TS 19836	20	10	60	1.2	20	0.5	26	270	x	x	20
TS 19839	20	10	70	0.6	12	0.5	122	230	4	x	80
TS 19840	15	15	25	0.7	5	3.0	73	178	32	x	5
Method	101	101	101	101	114	102	101	401	401	402	120
Detection	5	5	5	.05%	1	0.1	5	5	4	4	10

Note: x Below limit of detection.

APPENDIX 2.0.ROCK SAMPLE ANALYSIS

A.2.0. Rock Sample Analysis, Location, Type and Description

Geochemical Reports: MU/0001 - 0009 Analabs 236.1.08.3715C

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A.2.1.

ROCK CHIP LEDGER

Sample Number	AREA	LOCATION		OUTCROP, FLOAT OR MINE TAILINGS	DESCRIPTION
		N	E		
MU/0001	Montagu River Large Horseshoe Bend	84.75	24.48	O/C	Haematitic Siltstone (incl. reworked volcanics).
MU/0002	"	"	"	O/C	"
MU/0003	Montagu River Mouth	85.05	24.37	O/C	Haematitic Siltstone
MU/0004	" "	"	"	O/C	"
MU/0005	" "	"	"	O/C	"
MU/0006	Montagu River Samples taken on the	84.20	25.20	O/C	Haematitic Siltstone
MU/0007	arcuate stretch next to Colin Gales	(Samples taken in vicinity of this G.R.)		O/C	Haematitic Siltstone
MU/0008	property			O/C	Pyritic dolomitic Siltstone
MU/0009	Main Avenue, North of Central Barn	85.10	23.22	Wacker	Haematitic Siltstone

ROCK CHIP LEDGER

Sample Number	E L E M E N T S (ppm)							
	Cu	Pb	Zn	Mn	As	W	Sn	Au
MU/0001	5	5	30	145	5	x	6	x
MU/0002	5	5	40	225	5	x	5	x
MU/0003	5	15	85	110	8	x	6	x
MU/0004	15	10	110	170	7	x	x	x
MU/0005	15	10	110	155	6	x	5	x
MU/0006	10	5	40	2450	6	x	16	x
MU/0007	20	x	75	85	13	x	x	x
MU/0008	160	30	50	295	34	x	7	x
MU/0009	180	25	90	85	38	x	7	x
Method	101	101	101	101	114	401	402	334
Detection	5	5	5	5	1	10	3	.001

Note: x Below limit of Detection.

APPENDIX 3.0.WACKER BED ROCK SAMPLING

A.3.0. Sample Location (Local and AMG Grid), Depth, Description
and Analysis.

Geochemical Reports: All samples Analabs 236.1.08.3805

WACKER BED ROCK LEDGER

Location, Local Grid		Location, AMG Grid		DEPTH m	DESCRIPTION
N	E	N	E		
10050	10000	548 5250	323 250	8.6	Laminated leached siltstone, ochre brown-red.
10050	10025	" "	" 275	3.8	Fragmental crystalline volcanic clasts, bluish grey-green.
10050	10050	" "	" 300	2.7	As above minor purple blobs (haematite?).
10050	10075	" "	" 325	6.3	As above.
10050	10100	548 5250	323 350	7.4	Sandy siltstone, tuff?, reddish-brown and ochre.
9900	10000	548 5100	323 250	6.7	Fragment basalt, soft green.
9900	10050	" "	" 300	3.8	Crystalline fragmental basalt, bluish grey-green.
9900	10100	" "	" 350	5.5	As above.
9900	10120	" "	" 370	5.4	As above, flecks of khaki and white.
9900	10130	" "	" 380	6.8	As above, with calcite/zeolite?
9900	10140	" "	" 390	5.6	As above, some purple (haematite) blobs.
9900	10150	" "	" 400	4.0	Crystalline fragmental basalt, bluish grey-green.
9900	10160	" "	" 410	3.4	As above, with some haematite, abrupt change from beach sand.
9900	10170	" "	" 420	6.1	Crystalline basalt with purple haematite (siltstone?).
9900	10180	" "	" 430	4.1	Crystalline basalt, greyish-green.
9900	10190	" "	" 440	5.1	As above, altered.
9900	10200	" "	" 450	2.8	As above.
9900	10210	" "	" 460	5.1	As above on weathered yellow-brown siltstone.
9900	10220	" "	" 470	5.7	Leached yellow-ochre-white siltstone, some black veinlets (pyrolusite?).
9900	10230	" "	" 480	7.4	Leached fragmental volcanic or siltstone, pale greys, browns and yellows.
9900	10240	" "	" 490	7.1	Siltstone, pinkish-brown and some yellow-ochre, with pyrolusite.
9900	10250	548 5100	323 500	5.3	Siltstone, pinkish-brown.

029

986030

A.3.2.

WACKER BED ROCK LEDGER

Sample		Analyses in ppm, unless indicated.											
N	E	Cu	Pb	Zn	Mn	Fe %	As	Ag	Ni	Cr	W	Sn	Au
10050	10000	90	15	75	235	8.70	29	x	60	85	x	9	.016
10050	10025	125	x	200	440	13.00	26	0.2	105	150	10	6	.009
10050	10050	35	x	95	210	6.15	10	x	145	1000	x	3	.008
10050	10075	55	x	125	190	6.20	3	x	210	1100	x	3	.012
10050	10100	120	10	95	125	10.50	54	x	90	170	x	8	.005
9900	10000	170	x	335	240	13.50	28	0.2	270	280	x	3	.005
9900	10050	115	x	220	295	10.00	14	0.1	115	300	10	4	.005
9900	10100	50	x	115	3450	9.50	43	0.2	410	1100	x	x	.005
9900	10120	60	x	110	1600	8.45	29	x	365	890	x	x	.004
9900	10130	70	x	105	1450	5.65	8	x	310	780	10	3	.005
9900	10140	85	x	125	2450	7.40	15	0.2	355	890	x	x	.004
9900	10150	35	x	120	1450	7.30	15	x	250	820	x	x	.005
9900	10160	85	x	145	430	7.35	9	x	390	670	x	5	.006
9900	10170	270	x	105	345	5.65	4	x	225	750	x	6	.004
9900	10180	140	x	85	230	5.80	5	x	210	960	x	3	.005
9900	10190	85	x	45	115	2.70	4	0.1	120	900	x	3	.005
9900	10200	20	x	95	715	6.10	5	x	145	500	x	4	.006
9900	10210	65	x	150	265	11.50	24	0.2	145	230	x	5	.005
9900	10220	150	x	80	605	8.35	5	x	80	440	15	6	.009
9900	10230	185	5	60	225	5.15	9	x	60	150	x	6	.010
9900	10240	495	x	75	170	8.60	22	x	70	150	x	7	.005
9900	10250	905	5	60	165	13.00	33	0.1	85	250	x	5	.002

030

986031

A.3.3.

WACKER BED ROCK LEDGER

Location, Local Grid		Location, AMG Grid		DEPTH	DESCRIPTION
N	E	N	E	m	
9800	10150	548 5000	323 400	4.3	Fragmental basalt, bluish grey-green.
9800	10200	" "	" 450	4.8	As above.
9800	10250	" "	" 500	2.4	As above, minor haematite.
9800	10300	" "	" 550	3.2	A. Basal beach sand and muddy sand. B. Blue green clays after basalt.
9800	10350	" "	" 600	5.3	Blue-green clays after fragmental basalt.
9800	10400	" "	" 650	3.4	As above.
9800	10450	" "	" 700	2.6	As above.
9800	10500	" "	" 750	2.4	As above.
9800	10550	" "	" 800	2.4	Fragmental basalt, bluish grey-green.
9800	10600	548 5000	323 850	2.8	As above.

Note: All volcanics are "soft" from ground.

031

986032

A.3.4.

WACKER BED ROCK LEDGER

Sample		Analyses in ppm, unless indicated.											
N	E	Cu	Pb	Zn	Mn	Fe %	As	Ag	Ni	Cr	W	Sn	Au
9800	10150	90	x	135	355	9.20	7	x	320	930	x	x	.039
9800	10200	25	x	145	350	10.00	11	0.2	365	1900	x	3	.036
9800	10250	15	5	175	485	9.15	21	0.1	515	630	x	x	.014
9800	10300 A	20	x	30	245	3.45	13	0.3	50	240	x	3	.009
	B	55	x	110	370	8.80	22	x	185	500	x	x	.034
9800	10350	100	5	115	355	11.50	17	0.1	180	480	x	x	.008
9800	10400	325	x	155	250	8.65	18	0.2	80	50	x	5	.004
9800	10450	65	x	85	320	5.25	8	x	205	490	x	6	.009
9800	10500	35	x	115	245	8.45	11	x	315	1200	x	x	.006
9800	10550	35	15	130	320	8.65	27	x	745	2250	x	4	.006
9800	10600	15	10	50	85	2.45	4	0.2	70	180	x	x	.003
Method		101	101	101	101	101	114	102	101	401	401	402	334
Detection		5	5	5	5	.05%	1	0.1	5	5	10	3	.001

Note: x Below limit of detection.

032

320 000 m E

325 000 m E

ROBBINS ISLAND

ROBBINS PASSAGE

Robbins Beach

HARCUS RIVER

W. Montagu Road

RIVER

WILSONS PADDOCKS

MONTAGU

PADOCKS

Sandy Track

North Boundary Road

Redbank North Road

Road

Barcoo

South Quartzite Road

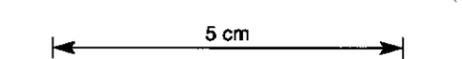
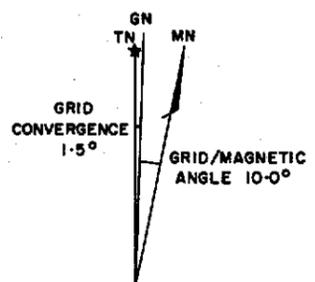
North Quartzite Road

PACEYS PADDOCKS

5 475 000 m N

Twenty-one Mile Road
Buckbys Road
Jips Plain Rd.

Farnhams Creek



E.L. BOUNDARY 7/85

SAVAGE RESOURCES LIMITED	
E.L. 7/85	
WEST MONTAGU	
LOCATION PLAN	
DRAWN BY : R.A.	306033
DRAFTSMAN : T.G.D.S.	
DATE : Sept. 85	
REVISIONS :	
FILE NO.	FIG. 1
SCALE 1:50,000	800 0 800 1000 METRES

E.L. BOUNDARY 7/85

033

320 000 m E

320 000 m E

E.L. BOUNDARY 7/85

482 000 m N

475 000 m N

ROBBINS ISLAND

ROBBINS PASSAGE

HARCUS RIVER

RIVER

WILSONS PADDOCKS

PACEYS PADDOCKS

Farnhams

Creek

Sandy Track, North Boundary Road

W. Montagu Road

South

North

North

South

South

Twenty-one Mile Road

Buckbys Road

Quartzite Road

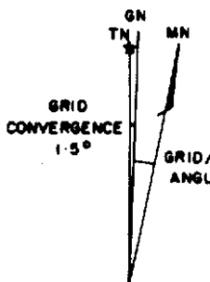
Redbank Road

Redbank Road

LEGEND

TERTIARY	Tb	BASALT
	Eg	CONGLOMERATE, GREYWACKE, SILTSTONE
CAMBRIAN	Ed	DOLOMITE, SHALE, TUFF
	EH	HEMATITIC SILTSTONE
	Eb	BASALT, AGGLOMERATE, TUFF
	Ch	HEMATITIC SILTSTONE
Co CAMBRIAN	SH	SILIFIED CARBONATE, BLACK SHALE
	Es	
Pre CAMBRIAN	Pc	QUARTZITE AND SILTSTONE

— BITUMEN ROAD
 - - - DIRT ROAD
 ~~~~~ CREEK



E.L. BOUNDARY 7/85

5 cm

|                          |          |
|--------------------------|----------|
| SAVAGE RESOURCES LIMITED |          |
| E.L. 7/85                |          |
| WEST MONTAGU             |          |
| SAMPLE LOCATIONS         |          |
| AND                      |          |
| GEOLOGY                  |          |
| DRAWN BY                 | R.A.     |
| DRAFTSMAN                | T.G.D.S. |
| DATE                     | Sept 85  |
| REVISIONS                |          |
| FILE NO.                 |          |
| SCALE 1:50,000           | FIG. 2.0 |

926034

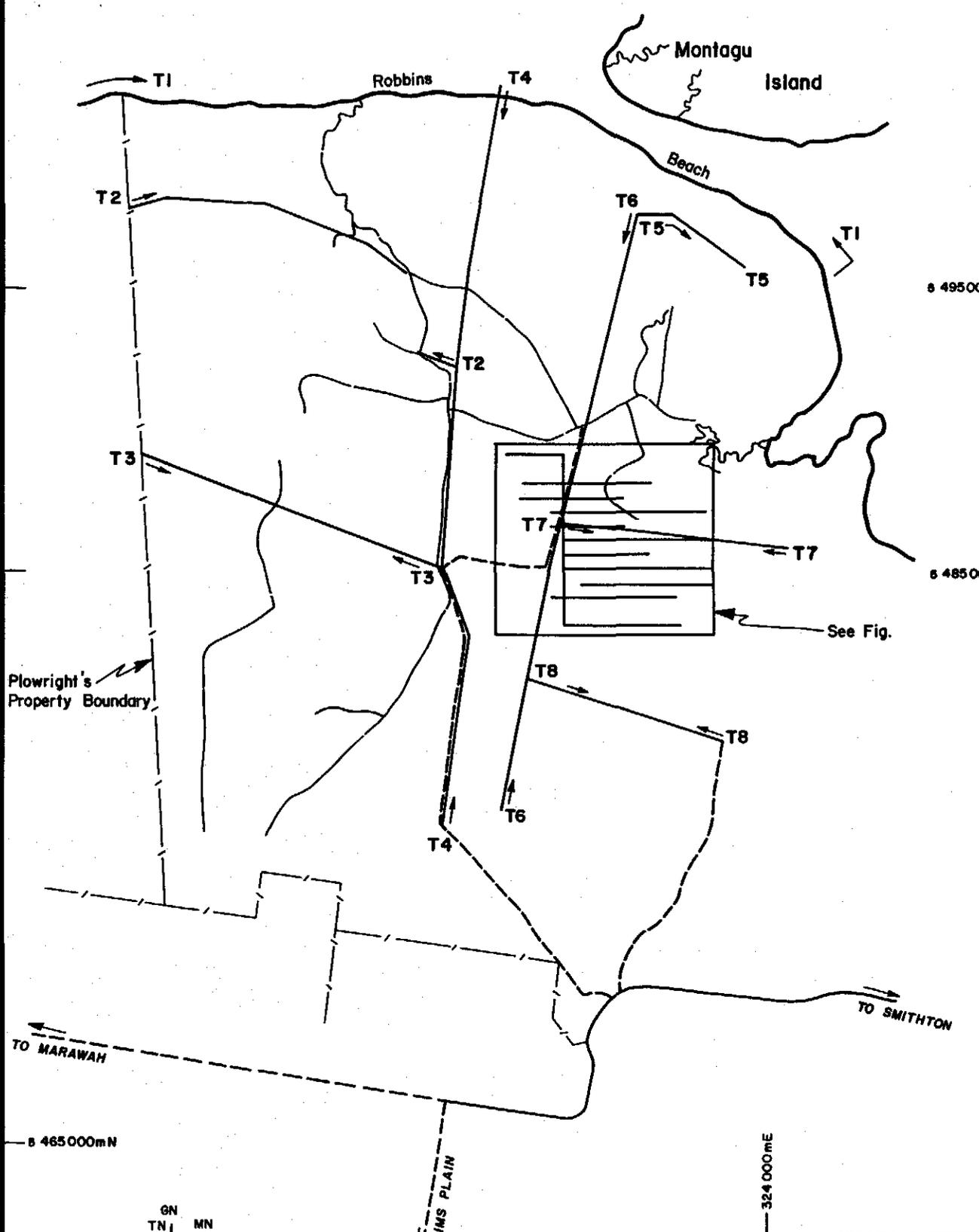
03A

322 000 mE

986035

ROBBINS

PASSAGE



Plowright's Property Boundary

495 000 mN

485 000 mN

See Fig.

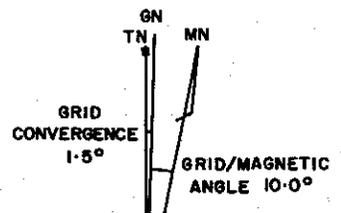
TO MARAWAH

465 000 mN

TO JIMS PLAIN

324 000 mE

TO SMITHTON

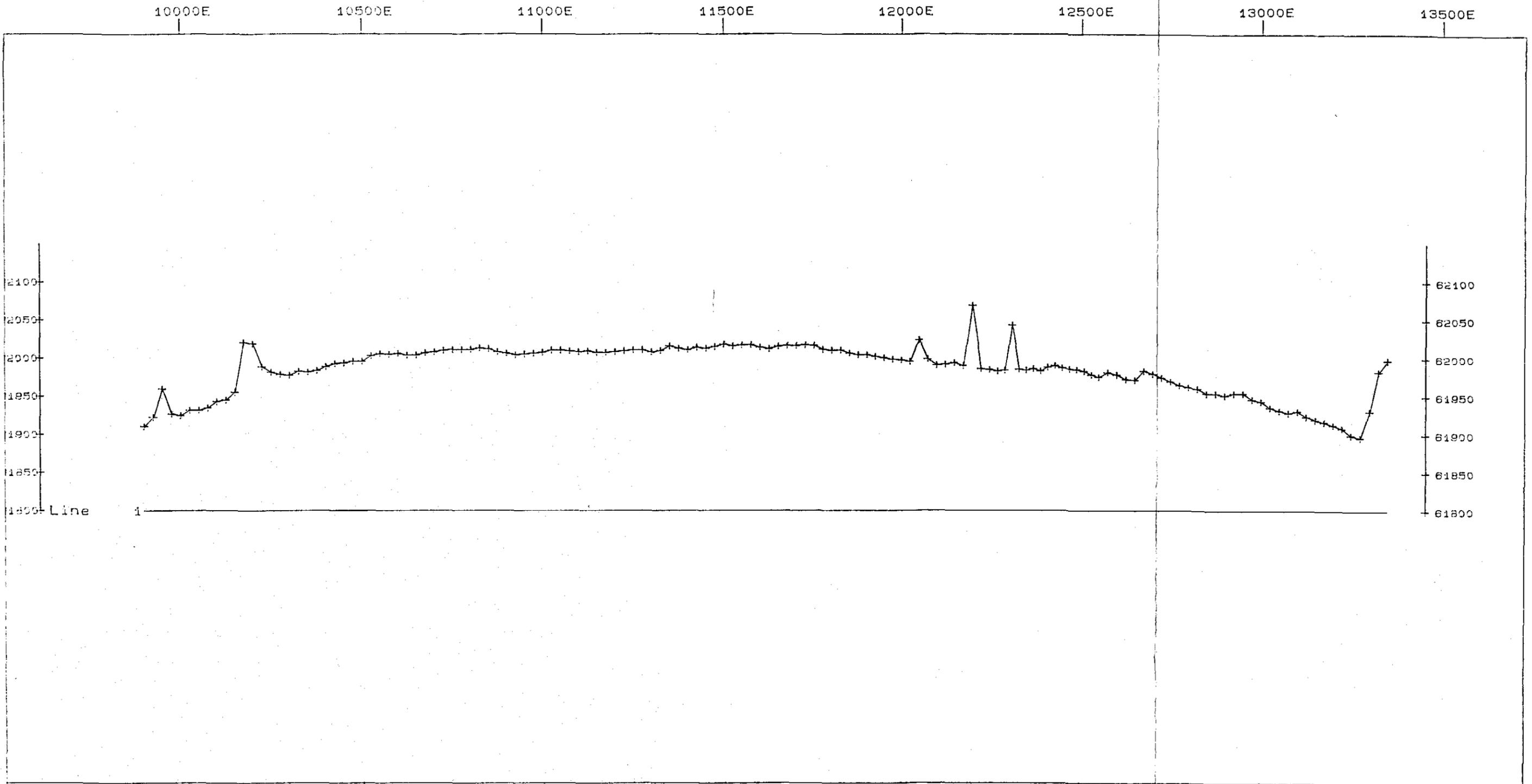


E.L. BOUNDARY 7/85

|                                                                                  |          |
|----------------------------------------------------------------------------------|----------|
| SAVAGE RESOURCES LIMITED                                                         |          |
| E.L. 7/85                                                                        |          |
| NORTHERN DOMAL PROSPECT<br>RECONNAISSANCE MAGNETICS<br>AND<br>DETAILED MAGNETICS |          |
| DRAWN BY R.A.                                                                    | FILE NO. |
| DRAFTSMAN T.G.D.S.                                                               | FIG. 3.0 |
| DATE Sept. 85                                                                    |          |
| REVISIONS                                                                        |          |
| SCALE 1:20,000                                                                   |          |
| 2000 0 2000 4000<br>METRES                                                       |          |

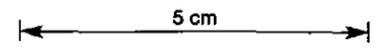
# MAGNETICS LINE PROFILE

986036



Line 1

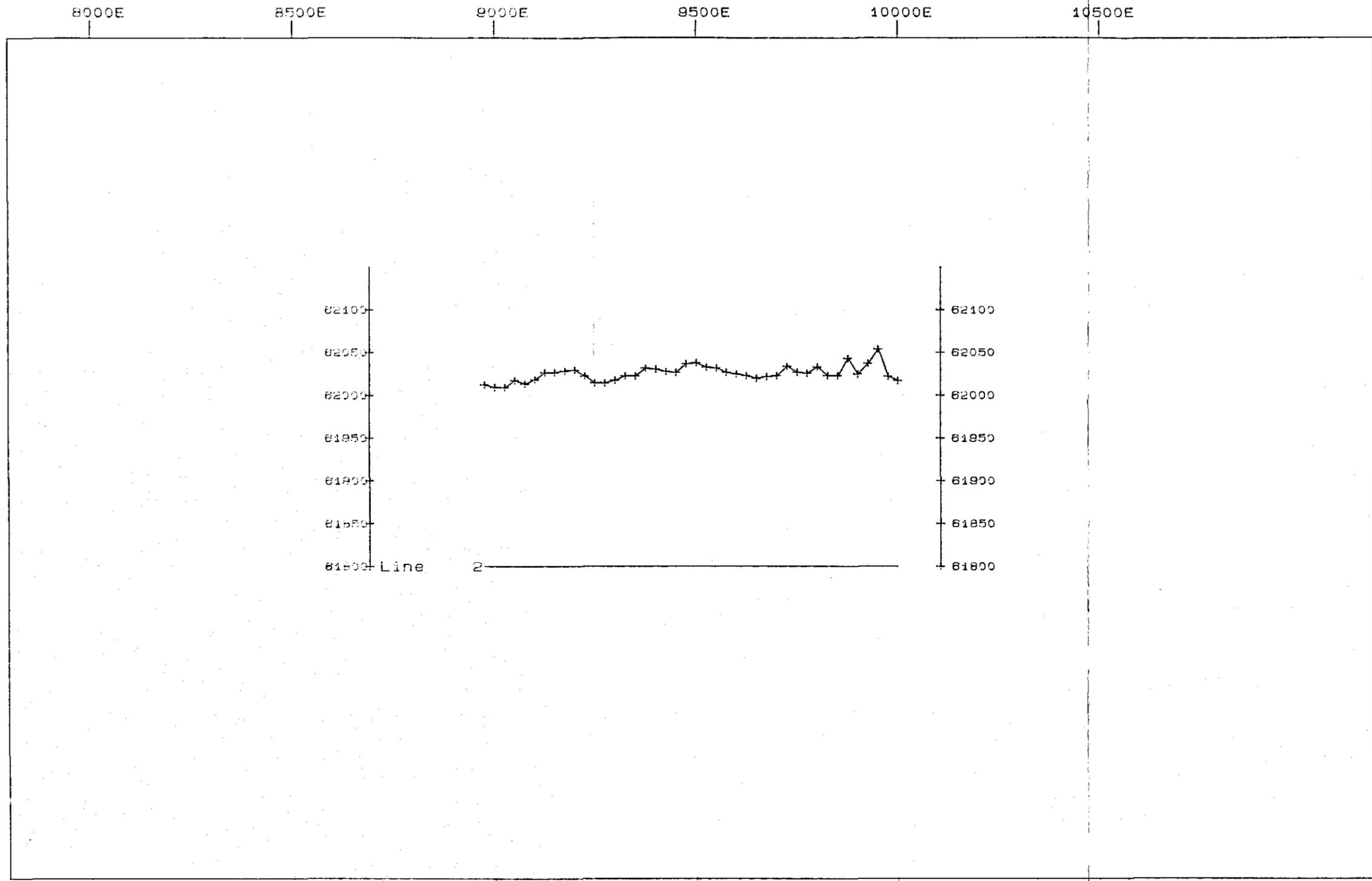
SAVAGE RESOURCES LIMITED  
RECON. SURVEY  
MONTAGU (JOB NO. 0631)  
Map scale is 1: 10500  
Magnetics scale : 1cm = 50.00 nT . base level : 61800 nT



Plotted on 2.11 PM THU. 26 JUNE, 1986 FIG. 3-1

035

# MAGNETICS LINE PROFILE



8000E 8500E 9000E 9500E 10000E 10500E

SAVAGE RESOURCES LIMITED  
 RECON. SURVEY  
 MONTAGU (JOB NO. 0621)  
 Map scale is 1: 10500

5 cm

Magnetics scale . 1cm = 50.00 nT . base level : 61800 nT

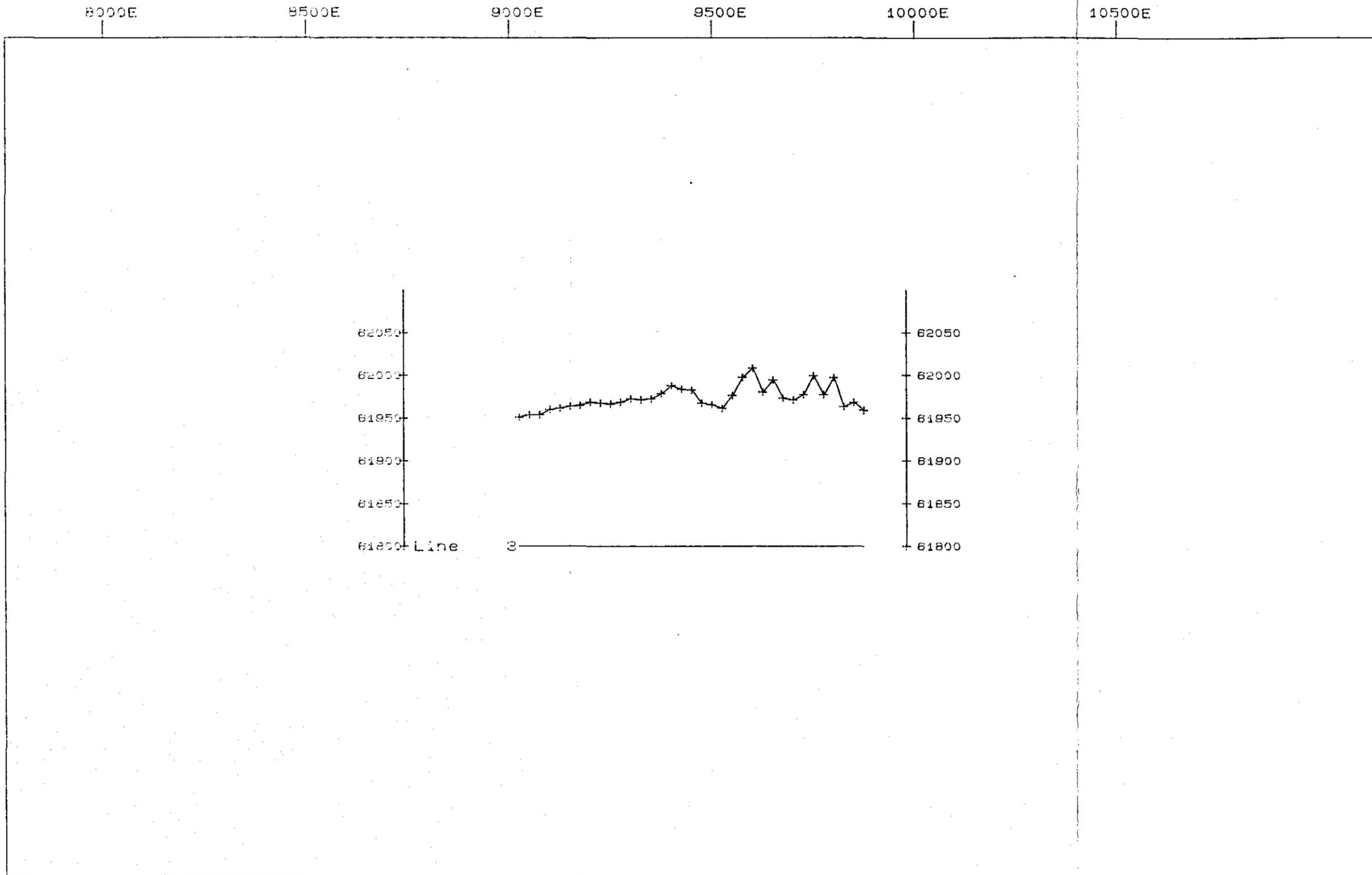
Plotted on 1:27 PM THU. 26 JUNE, 1986

FIG. 3-2

980

# MAGNETICS LINE PROFILE

986038



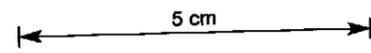
SAVAGE RESOURCES LIMITED

RECON. SURVEY

MONTAGU (JOB NO.0631)

Map scale is 1: 10500

Magnetics scale : 1cm = 50.00 nT, base level : 61800 nT

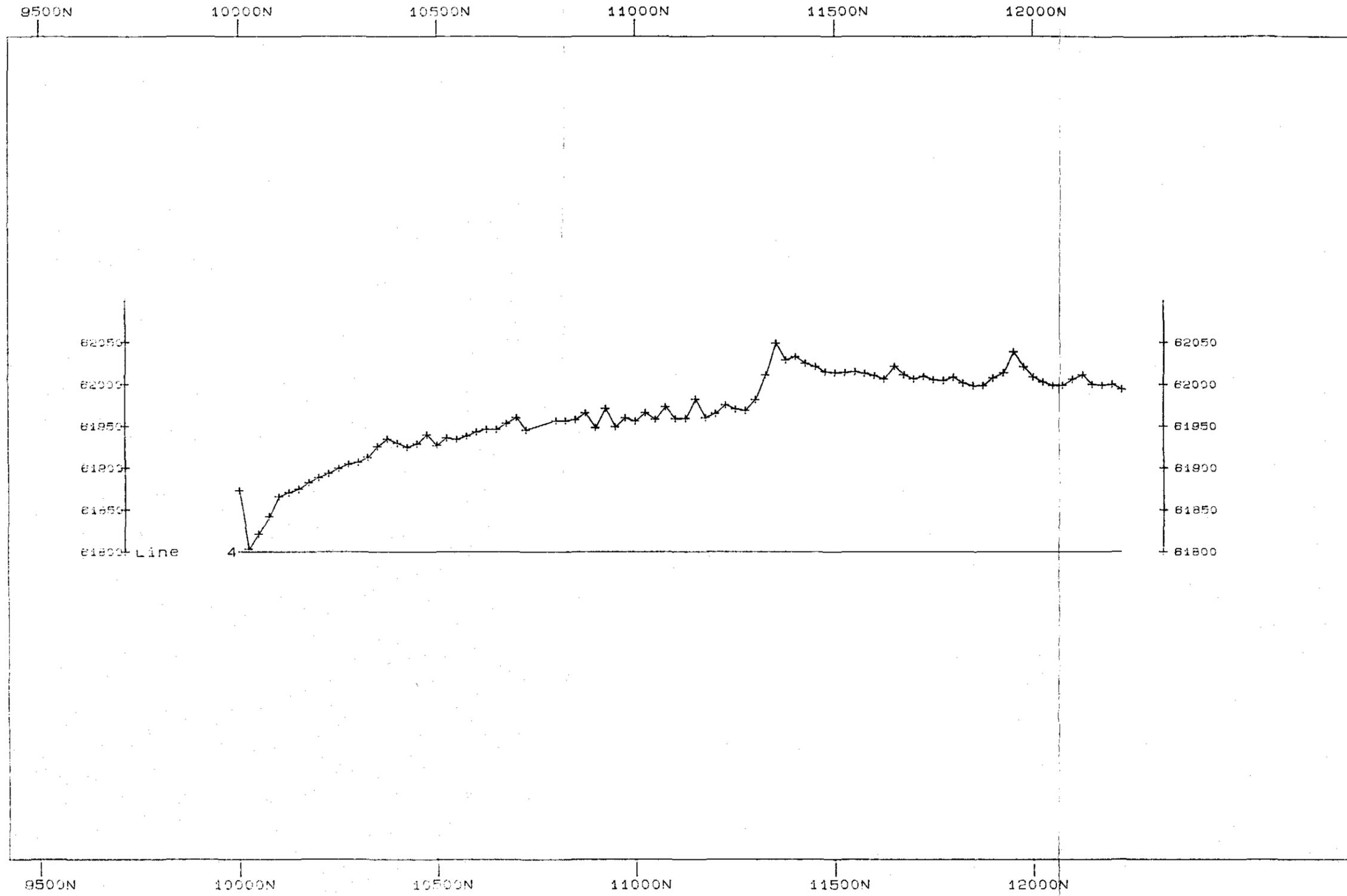


Plotted on 1:31 PM THU. 26 JUNE, 1986

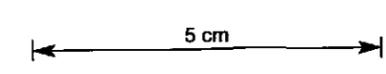
FIG. 3-3

037

# MAGNETICS LINE PROFILE



SAVAGE RESOURCES LIMITED  
 RECON. SURVEY  
 MONTAGU (JOB NO. 0631)  
 Map scale is 1: 10500  
 Magnetics scale . 1cm = 50.00 nT . base level : 61800 nT

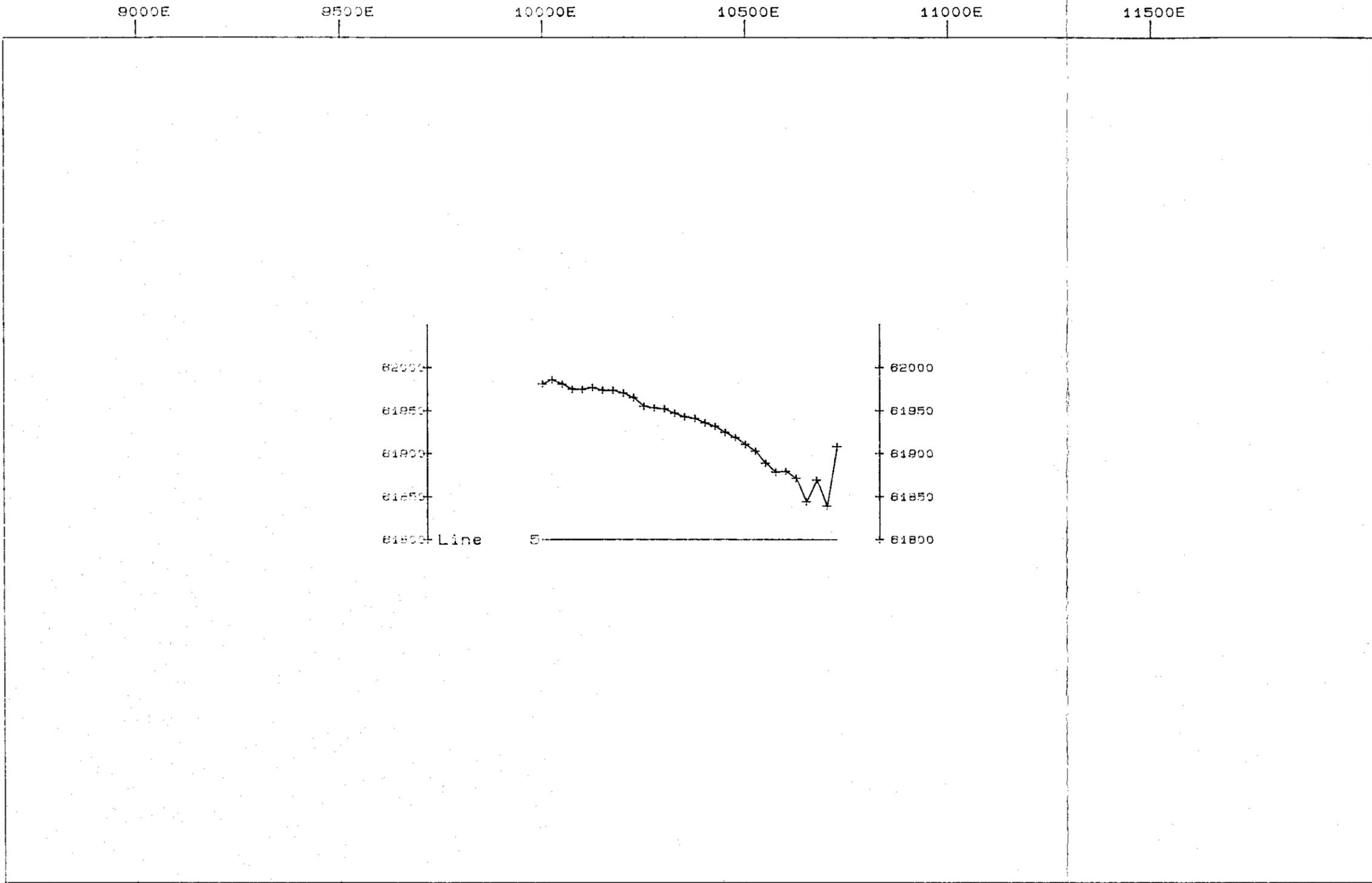


Plotted on 1:48 PM THU. 26 JUNE, 1986 FIG. 3-4

830

# MAGNETICS LINE PROFILE

986040



9000E 9500E 10000E 10500E 11000E 11500E

SAVAGE RESOURCES LIMITED  
RECON. SURVEY  
MONTAGU (JOB NO.0631)  
Map scale is 1: 10500

5 cm

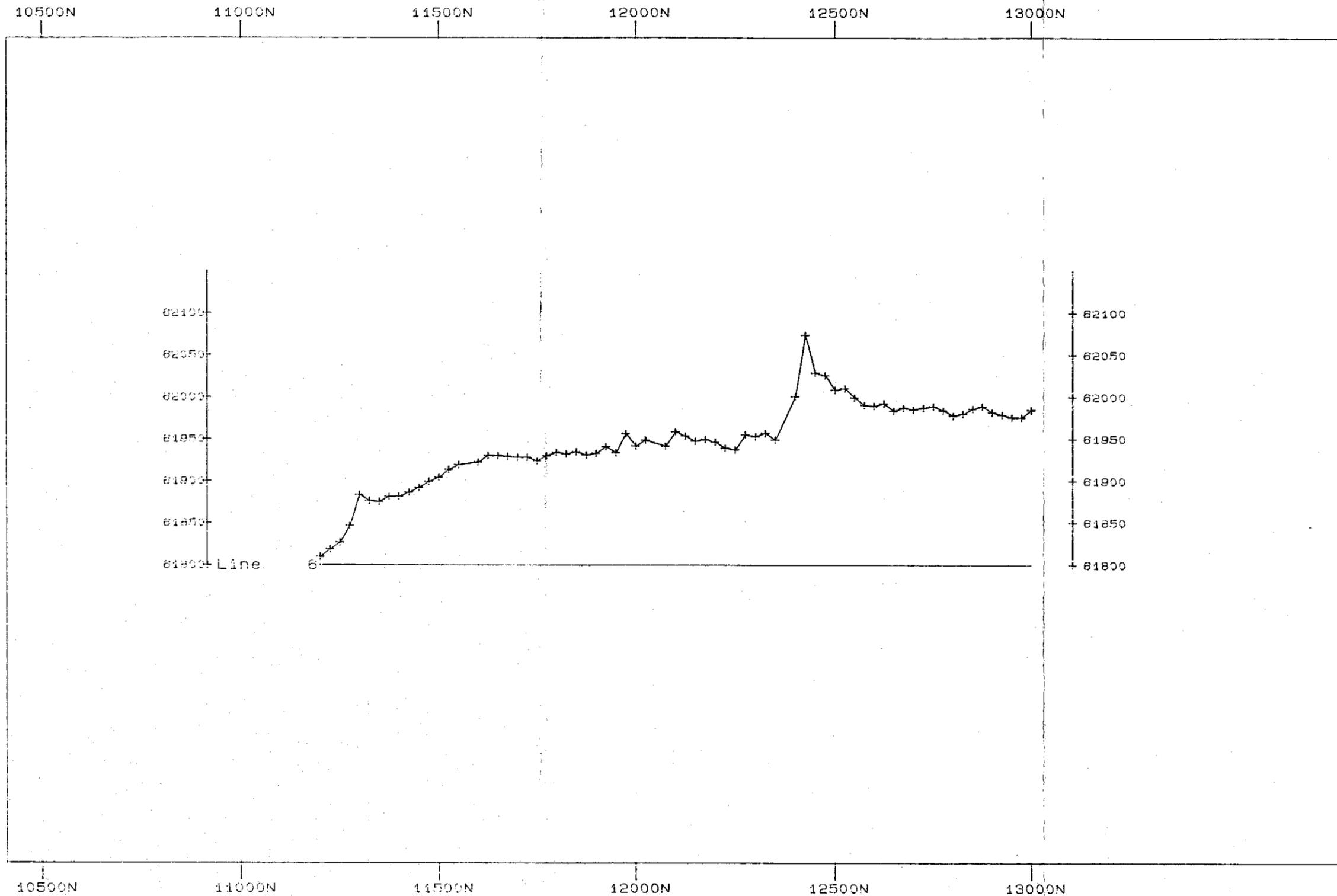
Magnetics scale : 1cm = 50.00 nT, base level : 61800 nT

Plotted on 1.36 PM THU., 26 JUNE, 1986

FIG. 3-5

630

# MAGNETICS LINE PROFILE



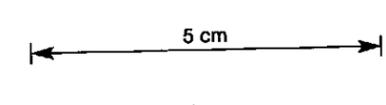
SAVAGE RESOURCES LIMITED

RECON. SURVEY

MONTAGU (JOB NO. 0631)

Map scale is 1: 10500

Magnetics scale : 1cm = 50.00 nT, base level : 61800 nT

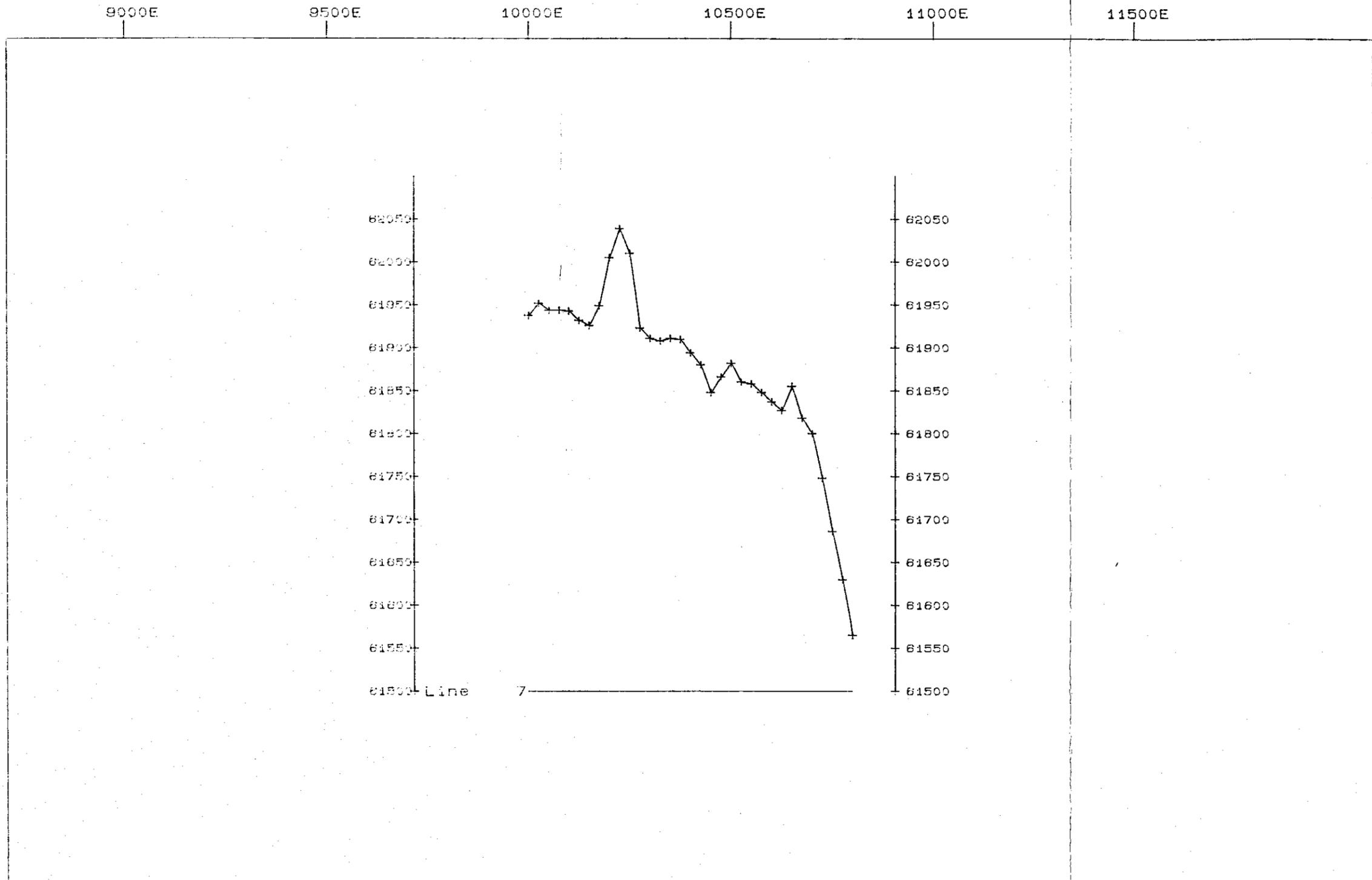


Plotted on 1.52 PM THU. 26 JUNE, 1986

FIG. 3-6

040

# MAGNETICS LINE PROFILE



61500 Line 7

9000E 9500E 10000E 10500E 11000E 11500E

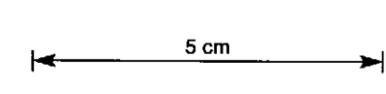
SAVAGE RESOURCES LIMITED

RECON. SURVEY

MONTAGU (JOB NO.0631)

Map scale is 1: 10500

Magnetics scale : 1cm = 50.00 nT, base level : 61500 nT



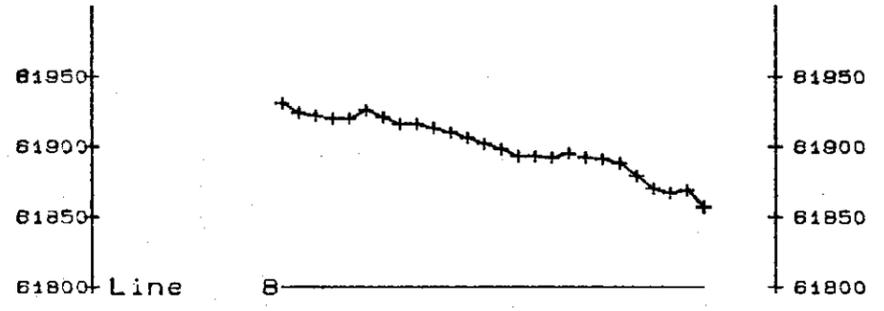
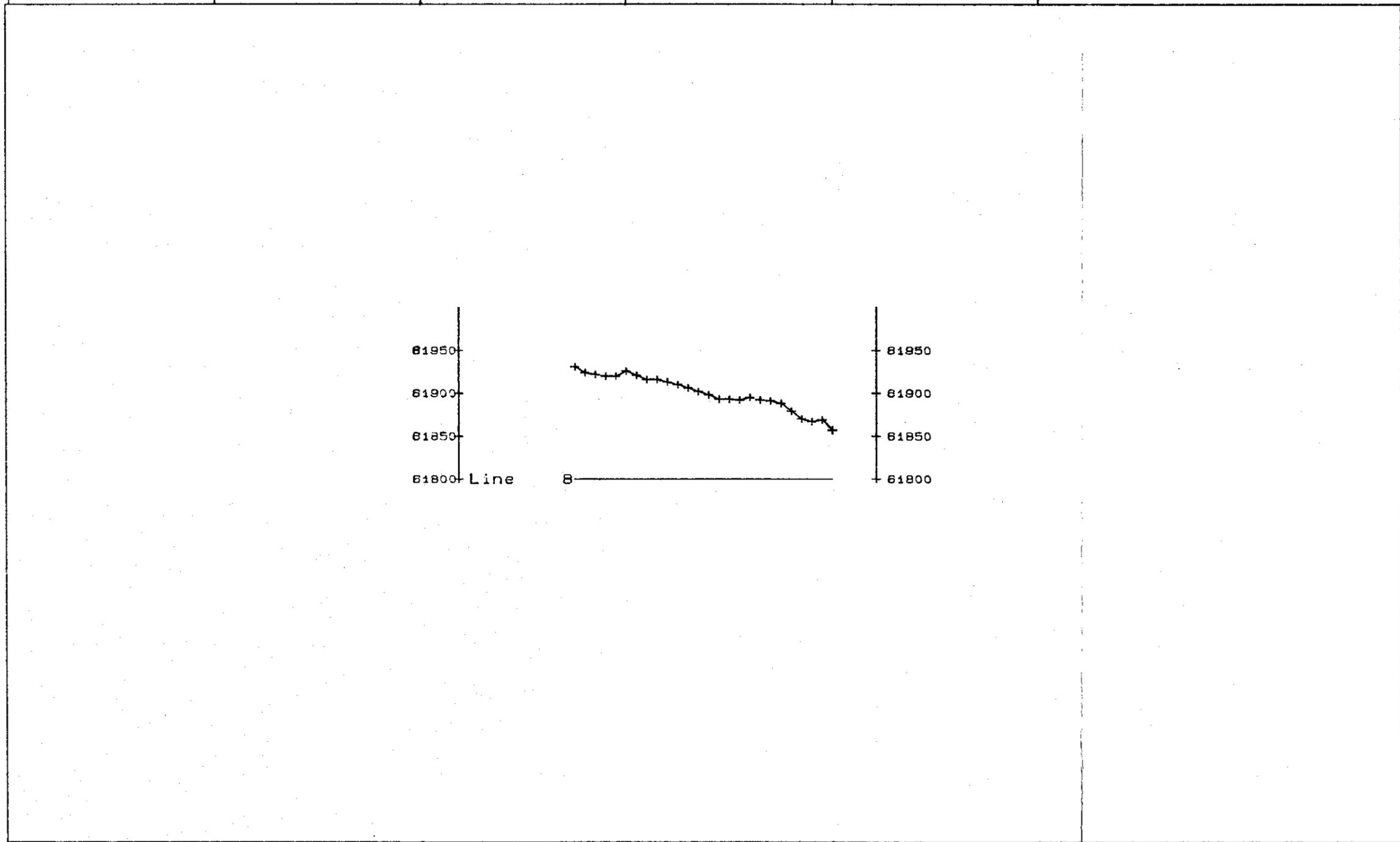
Plotted on 1:41 PM THU. 26 JUNE. 1986

FIG. 3-7

041

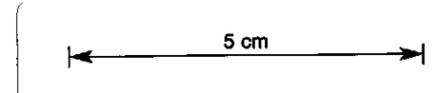
# MAGNETICS LINE PROFILE

9000E 9500E 10000E 10500E 11000E 11500E



9000E 9500E 10000E 10500E 11000E 11500E

SAVAGE RESOURCES LIMITED  
 RECON. SURVEY  
 (JOB NO.631)  
 Map scale is 1: 10500

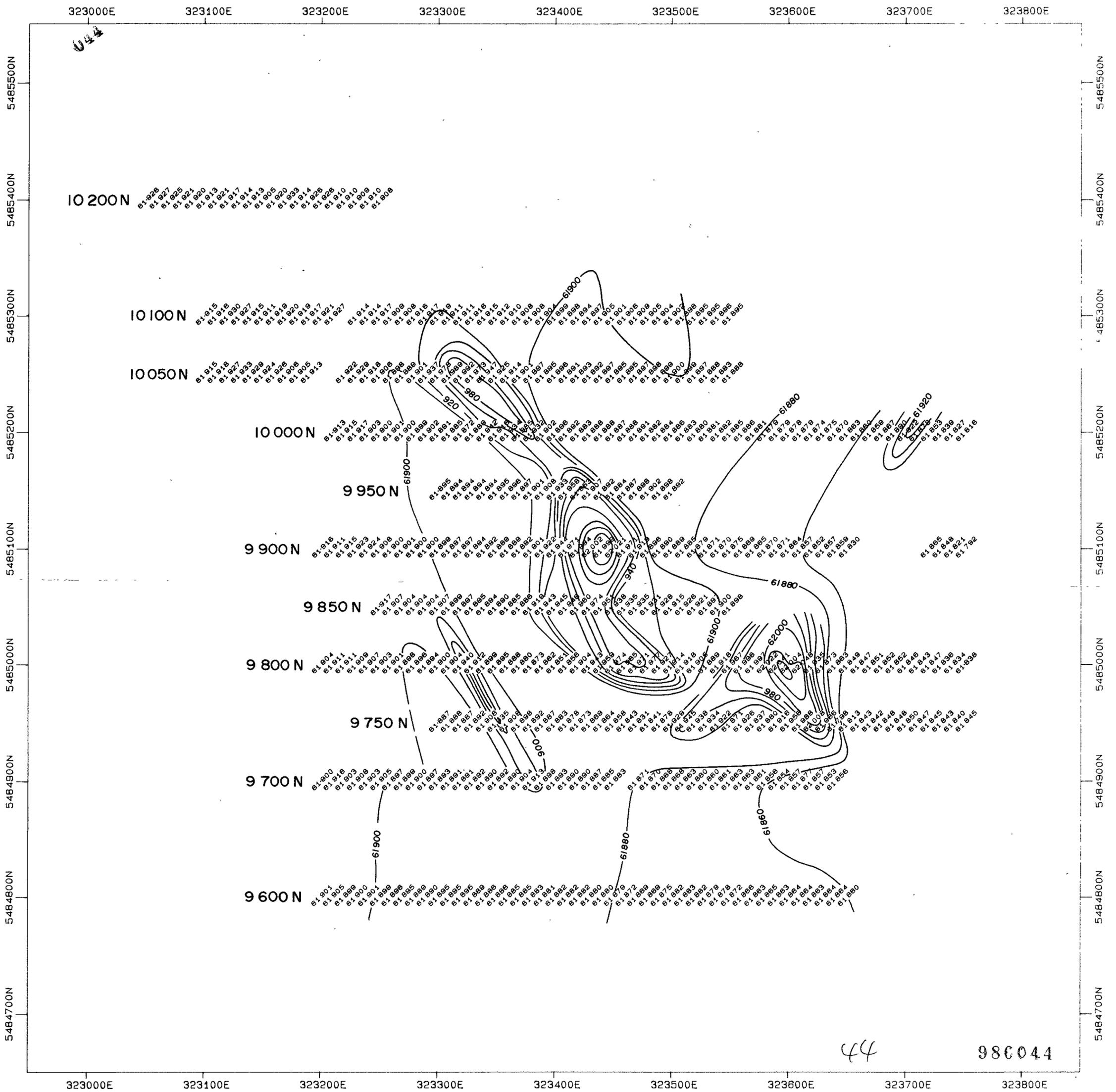


Magnetics scale : 1cm = 50.00 nT , base level : 61800 nT

Plotted on 11:39 AM WED.. 30 APR.. 1986

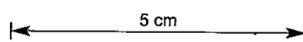
FIG. 3-8

042



Scale 1 : 2500

SAVAGE RESOURCES LTD.  
MONTAGU, N.W. TASMANIA  
PLOWRIGHT, E.L. 7/85 (JOB NO.631C)  
Sheet # 1 of 1



Magnetics total field corrected values (nT)

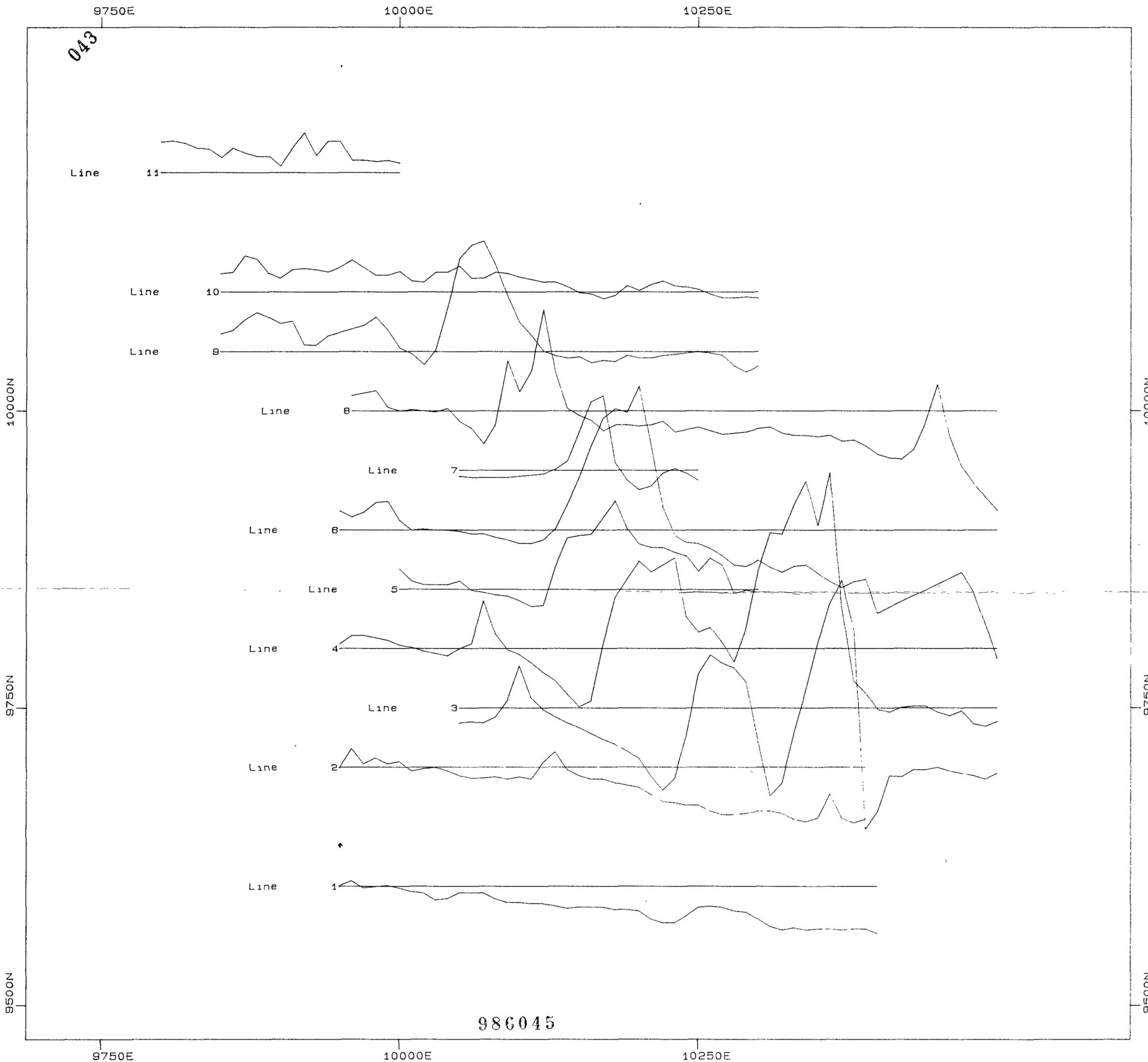
Surveyed by Savage Resources Ltd

Plotted on TUE., 23 SEPT, 1986



FIG 40

86-2595



SAVAGE RESOURCES LTD.  
 MONTAGU, N.W. TASMANIA  
 PLOWRIGHT, E.L. 7/85 (JOB NO.631C)  
 Map scale is 1: 2500.

Magnetics scale : 1cm= 25. nT Magnetics base value is 61900. nT  
 Plotted on 12:20 PM TUE., 23 SEPT, 1986 by Solo Geophysics  
 Surveyed by Savage Resources Ltd. From 180788 to 190786

61950  
 61925  
 Base=61900 nT  
 61875  
 61850

43

86-2595

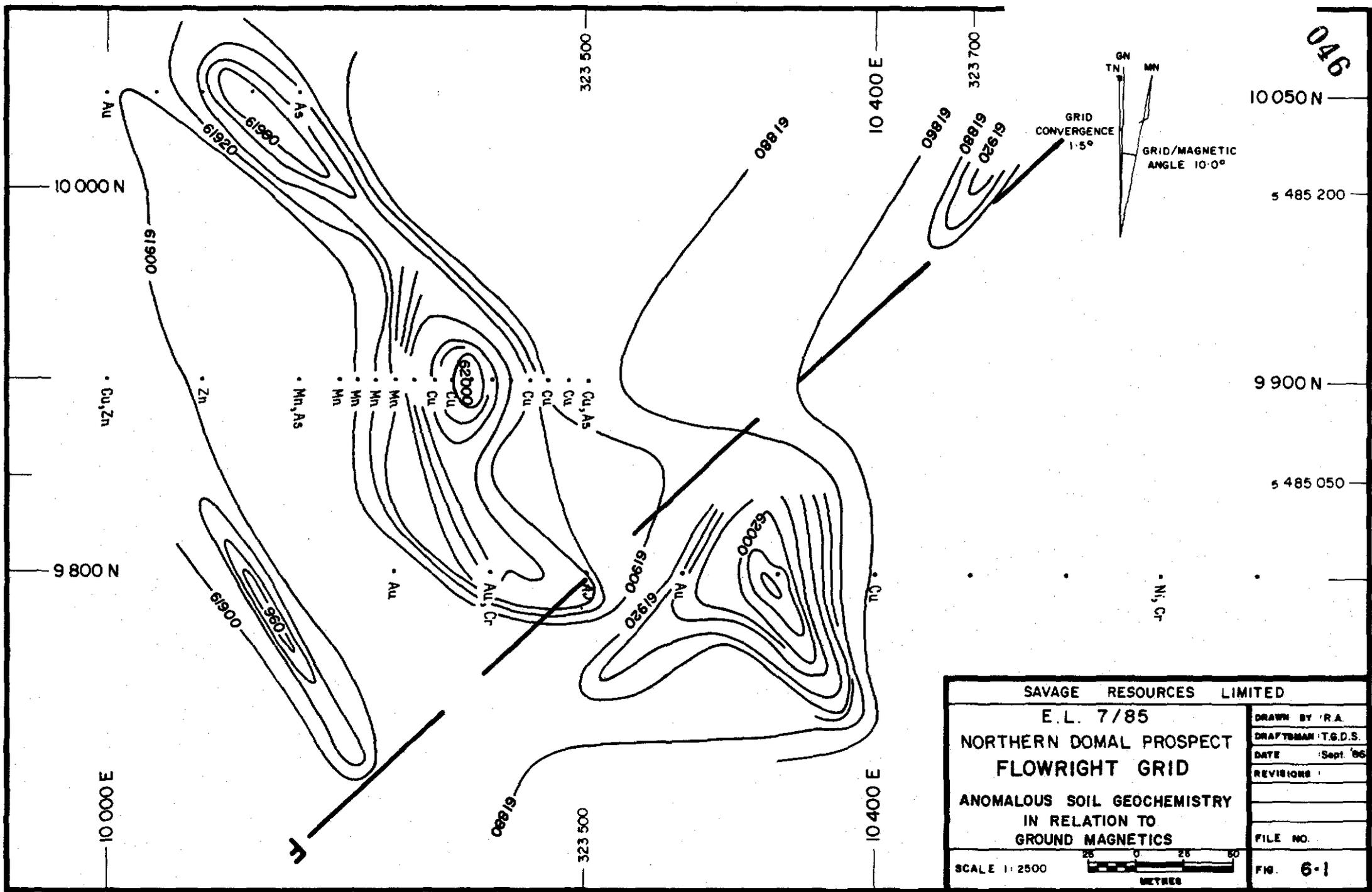
FIG. 5.0

86-2595



986047

5 cm



046

10 050 N

5 485 200

9 900 N

5 485 050

|                                                                        |                      |
|------------------------------------------------------------------------|----------------------|
| SAVAGE RESOURCES LIMITED                                               |                      |
| E.L. 7/85                                                              |                      |
| NORTHERN DOMAL PROSPECT<br>FLOWRIGHT GRID                              |                      |
| ANOMALOUS SOIL GEOCHEMISTRY<br>IN RELATION TO<br>GROUND MAGNETICS      |                      |
| SCALE 1:2500                                                           |                      |
| DRAWN BY: R.A.<br>DRAFTSMAN: T.G.D.S.<br>DATE: Sept. '86<br>REVISIONS: | FILE NO.<br>FIG. 6-1 |