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COMBINED FINAL/ANNUAL REPORT
(1987/88)
EXPLORATION LICENCE 4/86
PAN AUSTRALIAN MINING LTD.
MT. RAMSAY, W. TASMANIA

88-2802

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AMG REFERENCE POINTS ADDED

COMBINED FINAL/ANNUAL REPORT (1987/88)

EXPLORATION LICENCE 4/86

PAN AUSTRALIAN MINING LTD.

MT. RAMSAY, W. TASMANIA

C. H. Whitehead
April 1988.

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COMBINED FINAL/ANNUAL REPORT (1987/88) - E.L. 4/86.MT. RAMSAY - PAN AUSTRALIAN MINING LTD.TABLE OF CONTENTS.

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PLATES.MT. RAMSAY SKARN ZONE - PLATES, SCALE 1:1000

- 1/87 - Geology.
- 2/87 - Ground magnetic survey data.
- 3/87 - Ground magnetic survey contours.
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- 8/87 - Assay values Bismuth (ppm).
- 9/87 - Ground magnetometer contours and readings. (Comstaff 1982).
- 10/87 - Geochemical auger sampling. (Comstaff 1982),
Tungsten results. (ppm)
- 11/87 - Geochemical auger sampling. (Comstaff 1982)
Tin results. (ppm)

CONCLUSIONS AND RECOMMENDATIONS

Exploration Licence 4/86 covering a 112sq. km area in the Mt. Ramsay region was granted to Pan Australian Mining Ltd., on 29th May 1988.

The area was originally acquired both to evaluate known tungsten and gold anomalism at the Mt. Ramsay skarn zone, plus investigate the possibility of additional occurrences of tungsten mineralised models along the eastern margin of the Meredith Granite intrusive.

Exploration undertaken over the past 18 months - primarily at the Mt. Ramsay skarn - resulted in the WO_3 potential being severely downgraded geologically, and the gold potential of the skarn although evaluated systematically and showing slight anomalous values, it presents no potential economic resource.

In light of the above results, Pan Australian Mining Ltd. decided no further work in the Mt. Ramsay area was warranted, and it was recommended that Exploration Licence 4/86 be relinquished.

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1. INTRODUCTION, TENEMENT INFORMATION, LOCATION.

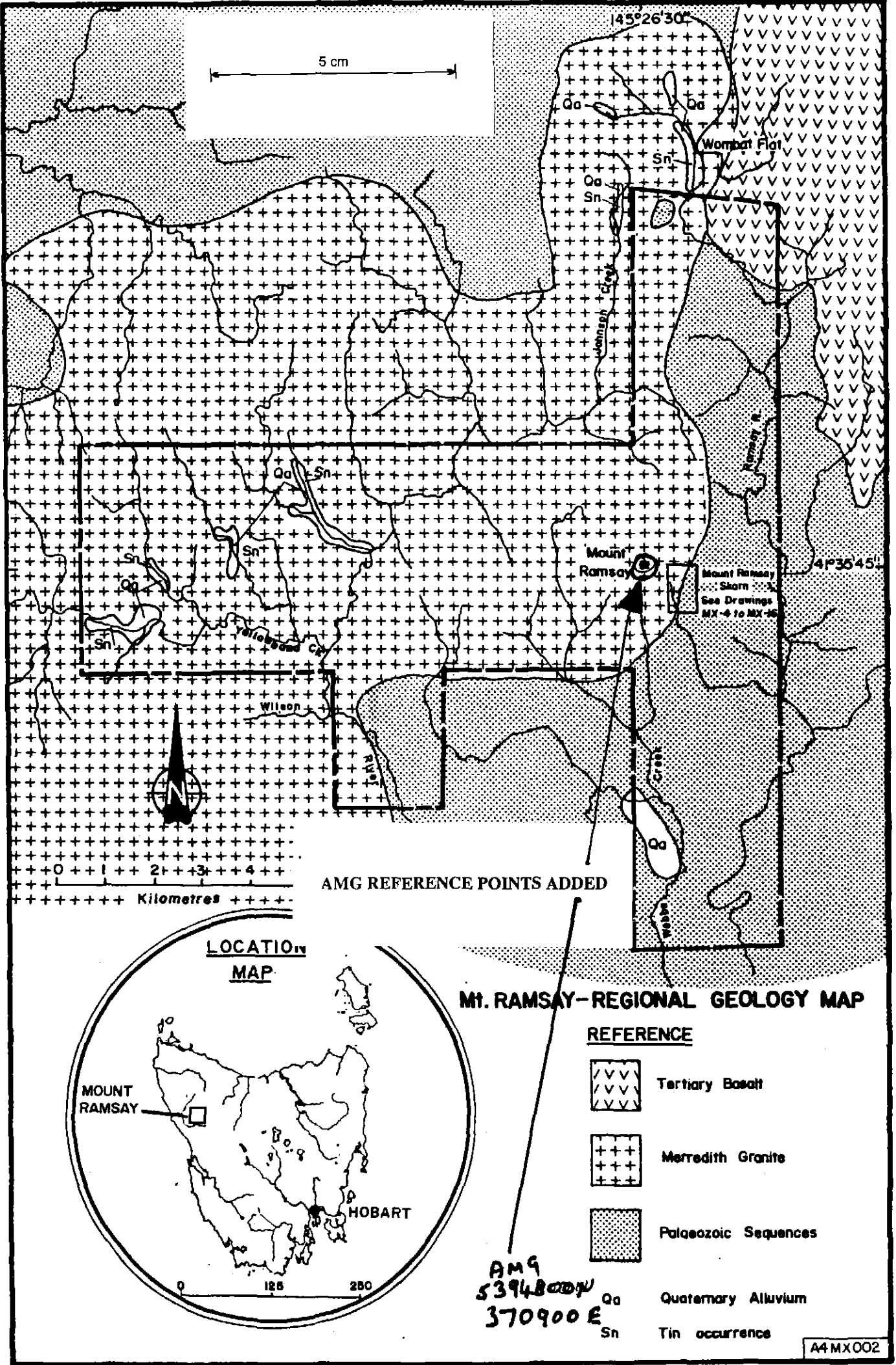
Pan Australian Mining Ltd. was granted Exploration Licence 4/86 on the 29th May 1986, initially for a period of one year, and renewed on 28th May 1987 for a further 12 months period.

The tenement occupies an area of 112sq.kms. centred around the Mt. Ramsay district, W. Tasmania, some 17kms south-south-west of Waratah. (see Fig. 1) The E.L. embraces a section of the eastern margin of the Meredith Granite intrusive, immediately south of South Bischoff/Wombat Flats.

Sole vehicle access (4 W.D.) into the area is by means of the 'Ramsay Track' which leaves the Waratah - Savage River road 8kms south west of Waratah.

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


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AMG REFERENCE POINTS ADDED

MT. RAMSAY-REGIONAL GEOLOGY MAP

REFERENCE

-  Tertiary Basalt
-  Meredith Granite
-  Palaeozoic Sequences
-  Quaternary Alluvium
-  Tin occurrence

AM9
5394800N
370900 E

A4MX002

Figure No. 1

2. EXPLORATION OBJECTIVES/PHILOSOPHY.

Exploration objectives within the 112sq. km. region embraced by E.L. 4/86 were primarily to assess the mineralised potential of the intrusive/sediment contact zone along the eastern margin of the Meredith Granite intrusive, and in addition to investigate the potential of minor alluvial areas within the intrusive body itself.

Commodity wise, emphasis was to be placed upon an assessment of the hard rock tungsten, tin and gold potential of the intrusive contact zones, and the alluvial tin, tungsten and osmiridium potential in drainage areas within the Meredith Granite.

Priority exploration targets and original proposed exploration programmes were subdivided into the following:-

- A. - Regional Exploration Programme:
 - To assess the mineralised potential along the eastern contact of the Meredith Granite intrusive. Regional exploration was to be aimed at delineating one or more potential WO_3 models - either skarns, porphyrys, greisen or stockwork types - within this geological environment.
- B. - Mt. Ramsay Skarn Programme:
 - To investigate the economic tungsten, gold and/or tin potential of the Mt. Ramsay skarn zone, plus that of its possible geological extensions.
- C. - Alluvial Exploration Programme:
 - To evaluate the osmiridium, tungsten and tin potential of alluvial ground associated with the Yellowband, White Pine, Keegan and Robbie Creek drainage patterns in the west-central sections of the E.L.

3. REGIONAL GEOLOGY.

The Mount Ramsay region is characterised by the Devonian Meredith Granite mass intruding Proterozoic (Ramsay Group) and Cambrian (Crimson Creek Formation and Dundas Group) sequences.

Briefly, the Ramsay Group is basically a sandstone/shale unit of approx. 800m thickness, containing minor siltstones, conglomerates and breccia units, plus carbonate horizons. The Crimson Creek Formation consists of a lower "greywacke" sequence (800 - 1200m) of greywacke, siltstone, argillite, dolomitic pelite and chert conglomerate, and an upper sequence (0 - 100m) of micro-dolerite and basalt.

Structurally, the above lithostratigraphic sequences have been affected by the three phases of deformation, the Ramsay Group forming the core of a major N - S trending anticline, and the Crimson Creek sequences dipping moderately west into the contact of the Meredith Granite.

The latter intrusive is categorised as being a large granitic stock of irregular outline and of Upper Devonian age (K - Ar, 350my, Rb-Sr, 353my). Regionally, it is a porphyritic biotite granite with a fairly consistent composition of orthoclase and quartz with minor muscovite, hornblende, tourmaline and apatite.

Three major granitic types comprise the Meredith Granite along its eastern margin, namely:-

- A coarse grained K feldspar + quartz + biotite adamellite.
- A texturally variable K feldspar + quartz + biotite porphyritic adamellite.
- A fine grained homogeneous quartz + feldspar (K feldspar) + biotite granite with aplitic texture.

Also along the eastern margins, greisenous (muscovite + tourmaline) variants occur, and the main body of the intrusive commonly shows N - S trending quartz - tourmaline veins, microgranites, aplites and pegmatites. In addition to being greisenised, the eastern contact of the intrusive shows a variable metamorphosed

aureole - up to 1km wide - with most intruded sequences being hornfelsed and the carbonate sequences showing the greatest degree of thermal metamorphic - metasomatic effects. An extensive magnetite rich skarn zone (Mt. Ramsay skarn) has been developed immediately adjacent to Mt. Ramsay.

4. PAST EXPLORATION/HISTORY

The region as a whole was extensively prospected during the final quarter of the last century - primarily for gold and tin, and during the current century, again for tin and osmiridium.

One of the earliest publications of mineralisation in the region dates back to 1876 (G.H.F. Ulrick), recording bismuth in possible skarns on the eastern slopes of Mt. Ramsay.

In modern (post 1960) exploration times, the central/eastern sections of the Meredith Granite Intrusive, and its eastern contacts, have been examined by a number of Exploration Companies, namely:-

- Comstaff, E.L. 5/63 and 1/68 - Meredith Granite Project, 1963 - 85.
- Anzeco, E.L. 11/75 - Mt. Stewart/Yellowband Creek Project 1975 - 1976
- Aberfoyle Exploration P/L, E.L. 16/78 - Meredith Granite Project.
- Renison Ltd. E.L. 17/77 - Wilson River Project.

Comstaff (E.L. 5/63) over the years (primarily 1972, 1975 and 1981 to 1985), executed both regional reconnaissance and detailed grid investigations along the Meredith Granite contact and the Mt. Ramsay skarn zone itself (Grid Zone C.A.F.) At the latter location, Comstaff completed extensive geologic, geophysical, geochemical ground surveys, and culminated in the drilling of seven diamond drill holes, totalling 1110m.

5. EXPLORATION WORK COMPLETED - E.L. 4/86

Since the incorporation of E.L. 4/86, Pan Australian Mining Ltd. completed both initial regional exploration programmes (refer to Annual Report E.L. 4/86 Year 1, period 30/5/86 to 29/3/87) and detailed examinations of the Mt. Ramsay Skarn Zone. The latter work was initiated during Year 1 of E.L. 4/86, and continued and finalised during the current year (see below). Due to a recent change in Company priorities, an examination of the alluvial areas in the west-central sections of the E.L. has not been undertaken.

5A Mt. Ramsay Skarn Programme

This skarn is located some 6.5kms due south of the South Bischoff mine immediately bordering the Meredith Granite.

The zone itself is regarded as Mg infiltration skarn representing the alteration of a sequence of impure carbonates and siltstones. Previous investigations (Comstaff) showed the skarn to be of quite significant magnitude, approximately 700m strike length, 15 to 100m width, and between 25 - 220m depth extension.

Current Pan Australian investigations have been directed at assessing the tungsten, gold and possible tin potential within the skarn zone, and in this respect the following work has been completed intermittently during the 1986/87 field season.

- Reclearing access tracks to and within the skarn and surrounding environs.
- Examination, partial re logging/sampling of Comstaff diamond drilling of the skarn zone, holes CAF 1 to 7. (See Appendix Sample Batch 4)
- Photogeological appraisal of the skarn area and surrounding district.
- Completing reconnaissance mapping and regional sampling - rock samples and pan concentrate samples (Sample Batch Nos. 1,2,3)

- Initial examination and sampling of the old Mt. Ramsay Au -Bi mine workings.
- Due to the wide spaced nature (60m intervals), and general vegetation regrowth of the old Comstaff grid lines, a new grid pattern was established over the skarn deposit, grid lines being established at either 20m or 30m intervals over a 840 strike distance.(total line cutting 8.5km).
- The grid area was systematically mapped and surveyed (Plate 1/87)
- A new detailed ground magnetic survey was completed over the grid, magnetic readings being taken at 5m intervals along traverse lines. (Plates 2/87, 3/87).
- Pan concentrate sampling of the main drainage (Grego Creek) and tributaries was completed at approx 25m intervals (Plate 4/87)
- Simultaneously with systematic mapping, rock sampling of the major units of the skarn zone and other metasomatically altered rocks, was completed.(Plates 4 to 8/87).U.V. lamping of both samples and rock exposures was completed in the effort of identifying scheelite bearing horizons within the skarn.
- The old Mt. Ramsay adit (35m advance) was reopened, and this was re-examined, U.V. lamped and systematically sampled.(Sample Batch 6).
- The old Comstaff grid was surveyed and tied into the Pan Australian grid, and the majority of Comstaff geochemical and geophysical survey results were superimposed upon the Pan Australian grid base plans.(Plates 9/87, 10/87 11/87).

5B Results.

Plates 1/87 to 11/87 (scale 1:1000) have been prepared and record results of the gologic - geochemical - geophysical work completed over the Mt. Ramsay skarn zone. Assay results are shown in the report appendix.

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Investigations showed that the skarn mineral assemblages are developed over a continuous zone of approximately 700m strike length (Strike NNW - SSE), the zone being at its narrowest in its northern extremity (10 - 15m) and widest in the south (75-80m). The skarn dips west and is flanked by greisen and quartz - tourmaline rich granite.

The skarn itself consists of medium to coarse textured garnet - vesuvianite - diopside - ferrohastingsite, and is intercalated and bordered to the east with calc - silicate altered pelite and hornfelsed argillite units. The magnetic content of the skarn is variable. The close spaced magnetic survey was extremely useful for initial field delineation of the major skarn zone and its irregular pattern helpful in identifying individual skarn units within the zone.

The skarn plunges south, and geochemical sampling would show mineral zoning from WO_3 /Au/Bi anomalism proximal to granite, and Sn values distal. Geochemically the skarn showed very low order values, and the original Constaff soil sample Sn values could not be confirmed during the current work.

Tungsten geochemical values were in general low order and investigations failed to identify a specific mineral assemblage or particular host horizon which could be associated with tungsten anomalism. The northern extremities of the skarn, namely around the vicinity of the old mine workings recorded the highest tungsten values (maximum 0.60% WO_3), as likewise were maximum gold values (1.8g/tonne). It is felt that overall sampling, re-examination of past drill core, and general investigations during the current programme, severely downgraded the tungsten potential of the skarn, and no additional work was to be recommended.

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6. REFERENCES

- A - Comstaff Prop Ltd. - Final report on areas surrendered to the Dept. Of Mines Tasmania (June ~~1986~~ ^{MAY} 1985) R.W.L. Shaw, M.P. Everett.
- B - Comstaff Prop Ltd. - Interim report on the Mt. Ramsay Tin-Tungsten project. E.L. 5/63 Part 2. G. F. Pigott, 27/4/83
- C. - Pan Aust. Mining Ltd - E.L. 4/86 - Mt. Ramsay Annual Report Year 1, Report 1987/15.

PAN AUSTRALIAN MINING LTD.

ANNUAL REPORT (1987/88)

E. L. 4/86 - MT. RAMSAYAPPENDIXSAMPLE RECORD SUMMARY SHEET

<u>Sample Batch</u>	<u>Date</u>	<u>No. Of Samples</u>	<u>Sample Type</u>	<u>Assayed For</u>
1. (AC.415/87)	July 1986	7	Rock & Pan Conc	WO ₃ , Sn, Bi, Mo, Pb, Au, & F.
2. (AC662/87)	Aug. 1986	13	Rock	WO ₃ , Sn, Mo, Bi, Pb, Ag & Au.
3. (AC20042)	Dec 1986	4	Rock	Au, WO ₃ , Sn, Mo, Cu, Zn, Pb, Bi, Ag & F.
4. (AC 2852/87)	Jan 1987	15	Drill Core	Au, WO ₃ , Pb, Mo, Bi.
5. (AC3173/87)	Feb 1987	27	Pan Conc	WO ₃ , Sn, Au, As, Bi.
6. (AC3745/87)	March 87	13	Rock (Adit)	WO ₃ , Sn, F, Au & Bi.
7. (AC3745/87)	April 87	87	Rock	WO ₃ , Sn, Bi, Mo, Au.

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PAN AUSTRALIAN MINING LTD.NO. 1 PATCHE.L. 4/86 - MT. RAMSAYSAMPLE ASSAY RECORD

Samples collected/submitted - July 1986
 No. of samples - 7
 Type of samples - Rock, pan concentrates.
 Assayed - Amdel, Report No. AC 415/87

<u>Sample No.</u>	<u>WO₃</u>	<u>Sn</u>	<u>Mo</u>	<u>Ei</u>	<u>Pb</u>	<u>F</u>	<u>Au</u>
	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>%</u>	<u>g/t</u>
DP No. 1A	4000	245	<4	750	78	2.50	1.5
DP No. 1E	6050	205	10	990	66	5.45	1.8
DP No. 4	2260	180	<4	770	160	4.50	1.2
MTR 1	210	10	<4	10	14	-	-
W.F. 2	110	7600	<4	8	1600	-	-
W.F. 3	45	2000	<4	6	850	-	-
W.F. 4	85	1.70%	<4	6	2250	-	-

<u>Sample No.</u>	<u>Type</u>
D.P. No. 1a, 1b & 4	- Rock - Crab samples around old Mt. Ramsay mine workings (Mt. Ramsay skarn)
M.T.R. 1	- Pan concentrate sample - creek (above) Mt. Ramsay mine.
W.F.2, 3 & 4	- Pan concentrates - South of St. Eichoff drainage.

PAN AUSTRALIAN MINING LTD.NO. 2 BATCHE. L. 4/86 - MT. RAMSAYSAMPLE/ ASSAY RECORD

Sample collected/submitted - August 1986
 No. of samples - 13
 Types of samples - Rock
 Assayed - Amdel AC 662/87
 - Tas. Mines Laboratories SPT 56/87

Sample No		WO ₂		Sn	Mo	Pb	Au	Ag
		ppm % Amdel	Mines Dept.					
MRS/1/86	-	0.192	0.230	245	6	405	70	0.55 L.1
MRS/2/86	-	0.164	0.19	235	L.4	175	50	0.19 L.1
MRS/3/86	-	0.204	0.24	240	L.4	345	68	0.50 L.1
MRS/4/86	-	0.160	0.21	220	4	355	100	0.50 L.1
MRS/5/86	-	0.216	0.26	170	L.4	415	30	0.63 L.1
MRS/6/86	-	0.023	0.06	260	L.4	130	32	0.13 L.1
MRS/7/86	-	0.430	0.45	235	6	295	36	0.30 L.1
MRS/8/86	-	0.011	0.06	305	L.4	20	50	0.04 L.1
MRS/9/86	-	0.004	0.06	94	4	L.4	12	0.06 L.1
MRS/10/86	-	0.030	0.08	205	L.4	4	24	0.06 L.1
MRS/11/86	-	0.035	0.07	240	4	L.4	28	0.04 L.1
MRS/12/86	-	0.055	0.09	125	L.4	L.4	22	0.03 L.1
MRS/13/86	-	0.242	0.29	170	6	570	32	0.90 L.1

Samples collected northern section of Mt. Ramsay area - Adit/Shaft
 Location.

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PAN AUSTRALIAN MINING LTD.NO. 3 BATCHE. L. 4/86 - MT. RAMSAYSAMPLE/ASSAY RECORD

Samples collected/submitted - December 1986
 No. of samples - 4
 Types of samples - Rock
 Assayed - Amdel AC 20042 Spt 263/87

<u>Sample No.</u>	<u>Au</u> g/ tonne	<u>WO₃</u> ppm	<u>Sn</u> ppm	<u>Mo</u> ppm	<u>Cu</u> ppm	<u>Zn</u> ppm	<u>Pb</u> ppm	<u>Fe</u> ppm	<u>Ag</u> ppm	<u>F</u> %
MRS. 13/86	0.335	3000	410	L.4	56	89	12	450	L.1	2.02
MRS. 14/86	0.065	55	375	L.4	160	69	5	47	L.1	0.70
MRS. 15/86	0.215	6000	280	8	210	93	8	260	L.1	2.10
MRS. 16/86	0.180	20	285	L.4	950	115	L.5	145	L.1	1.42

Samples collected at northern end of Mt. Ramsay skarn in vicinity of old shaft.

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PAN AUSTRALIAN MINING LTD.NO. 4 BATCHE. L. 4/86 - MT. RAMSAYSAMPLI/ASSAY RECORD

Samples collected/submitted - January 1987
 No. of samples - 15
 Type of sample - Diamond drill core (Comstaff)
 Assayed - Amdel - Report 2852/87
 - Classic Labs. - Report AC 20482

<u>Sample No</u>	<u>Depth</u>	<u>Au</u>	<u>WO₃</u>	<u>Pb</u>	<u>Mo</u>	<u>Fe</u>
<u>DDH No</u>		<u>g/tonne</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>
CAF 1	- 137.5	- 0.045	50	66	L.4	98
CAF 1	- 218	- 0.015	L.10	150	L.4	26
CAF 1	- 244.8	- 0.015	2780	80	L.4	4
CAF 1	- 281	- 0.020	350	46	4	74
CAF 1	- 282	- 0.035	330	32	4	325
CAF 5	- 95	- 0.015	100	58	L.4	14
CAF 5	- 102.8	- 0.010	20	38	4	20
CAF 5	- 125.5	- 0.020	50	62	L.4	4
CAF 7	- 98.90	- 0.010	45	72	L.4	34
CAF 7	- 102.30	- 0.025	330	34	4	36
CAF 7	- 108.30	- 0.015	20	34	L.4	26
CAF 7	- 117.30	- 0.065	20	68	4	250
CAF 7	- 133.00	- 0.015	30	88	L.4	24
CAF 7	- 141.50	- 0.010	20	170	L.4	L.4
CAF 7	- 157.50	- 0.005	15	135	L.4	L.4

620 PAK AUSTRALIAN MINING LTD.NO. 5 BATCHE. L. 4/86 - MT. RAMSAYSAMPLE/ASSAY RECORD

Samples collected/submitted - February/March 1987
 No. of samples - 27
 Type of samples - **Pan concentrate samples**
 Assayed - Amdel - Report AC 3173/87

<u>Sample No.</u>	<u>Sec.</u>	<u>WO₃</u>	<u>Sn</u>	<u>Bi</u>	<u>As</u>	<u>Au</u>
	<u>Line No</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>ppm</u>	<u>g/tonne</u>
PC 1	- 4160N	- 480	155	8	27	L.0.01
PC2	- 4160N	- 50	12	L.4	L.2	0.02
PC3	- 4220N	- 20	6	L.4	17	L.0.01
PC4	- 4190N	- 420	265	4	6	0.03
PC5	- 4190N	- 15	22	L.4	L.2	L.0.01
PC6	- 4250N	- 70	160	L.4	21	0.02
PC7	- 4280N	- 85	135	10	32	L.0.01
PC8	- 4340N	- 170	295	8	24	L.0.01
PC9	- 4310N	- 480	260	10	32	0.01
PC10	- 4400N	- 850	150	L.4	8	L.0.01
PC11	- 4370N	- 120	86	L.4	21	L.0.01
PC12	- 4430N	- 210	94	4	10	L.0.01
PC13	- 4460N	- 540	92	L.4.	21	L.0.01
PC14	- 4490N	- 150	66	L.4	6	L.0.01
PC15	- 4520N	- 300	86	8	13	L.0.01
PC16	- 4550N	- 10	30	4	20	L.0.01
PC17	- 4820N	- 1.12%	315	46	28	L.0.01
PC18	- 4840N	- 1.24%	110	46	8	0.03
PC19	- 4800N	- 640	82	10	72	L.0.01
PC20	- 4780N	- 3180	66	4	8	0.01
PC21	- 4760N	- 1200	62	8	24	0.01
PC22	- 4730N	- 790	48	L.4	9	0.01
PC23	- 4700N	- 3080	175	L.4	6	0.14
PC24	- 4670N	- 1220	200	22	27	0.01
PC25	- 4640N	- 65	40	L.4	10	0.01
PC26	- 4610N	- 200	60	L.4	8	0.01
PC27	- 4580N	- 170	48	L.4	6	0.01

Samples collected Mt. Ramsay skarn - Greco Creek pan concentrates.
 Samples - U.V. Lamped - and scheelite grain counted.

021 E.L. 4/86 - MT. RAMSAY

SAMPLE/ASSAY RECORD

Samples collected/submitted - March/April 1987
 No. of Samples - 13
 Type of Samples - Rock (Chip Sample) Adit
 Assayed - Amdel - Report AC 3745/87
 - Analabs - Report 109.5.08 0

<u>SAMPLE NO</u>	<u>Adit Depth (m)</u>	<u>WO₃ ppm</u>	<u>Sn ppm</u>	<u>Au g/t tonne</u>	<u>Mo ppm</u>	<u>Ei ppm</u>
MRS/121R	- 0-3	1080	180	<0.008	< 4	6
MRS/122R	- 3-6	560	230	0.050	< 4	10
MRS/123R	- 6-9	140	150	0.030	< 4	20
MRS/124R	- 9-12	130	195	<0.008	< 4	4
MRS/125R	- 12-15	100	240	<0.008	4	20
MRS/126R	- 15-18	45	220	0.030	< 4	< 4
MRS/127R	- 18-21	10	225	0.030	< 4	12
MRS/128R	- 21-24	25	74	0.030	10	8
MRS/129R	- 24-27	30	4	<0.008	8	6
MRS/130R	- 27-30	240	130	<0.008	4	20
MRS/131R	- 30-33	160	200	<0.008	< 4	22
MRS/132R	- 33-36	390	295	0.350	< 4	22
MRS/133R	- Adit	400	215	<0.008	< 4	< 4

Floor 35m

Samples collected on W wall of Mt. Ramsay Mine Adit (3m intervals)

PAN AUSTRALIAN MINING LTD

NO. 7 BATCH

E.L. 4/86 MT. RAMSAY

SAMPLE/ASSAY RECORD

Samples Collected/Submitted - April 1987
 No. of samples -
 Type of samples - Rock
 Assayed - Amdel AC 3745/87
 - Analabs 109.5.08 04414

<u>Sample No.</u>	<u>WO₃</u> <u>ppm</u>	<u>Sn</u> <u>ppm</u>	<u>Ei</u> <u>ppm</u>	<u>Mo</u> <u>ppm</u>	<u>Au</u> <u>g/tonne</u>
MRS 050R	330	810	22	6	< 0.008
MRS 051R	35	285	14	4	< 0.008
MRS 052R	530	215	14	8	< 0.008
MRS 053R	10	8	4	4	< 0.008
MRS 054R	50	< 4	< 4	< 4	< 0.008
MRS 055R	65	< 4	4	< 4	< 0.008
MRS 056R	75	105	12	< 4	< 0.008
MRS 057R	190	255	40	< 4	< 0.008
MRS 058R	30	1360	58	< 4	< 0.008
MRS 059R	20	165	14	< 4	< 0.008
MRS 060R	25	90	4	< 4	< 0.008
MRS 061R	110	160	< 4	< 4	< 0.008
MRS 062R	280	32	< 4	8	< 0.008
MRS 063R	180	200	4	< 4	< 0.008
MRS 064R	620	< 4	4	10	< 0.008
MRS 065R	630	10	< 4	10	< 0.008
MRS 066R	230	8	< 4	6	< 0.008
MRS 067R	50	260	8	4	< 0.008
MRS 068R	280	< 4	16	< 4	< 0.008
MRS 069R	20	385	4	8	< 0.008
MRS 070R	580	105	150	< 4	0.070
MRS 071R	160	290	< 4	< 4	< 0.008
MRS 072R	460	120	34	< 4	0.090
MRS 073R	50	62	12	< 4	0.020
MRS 074R	< 10	18	< 4	6	< 0.008
MRS 075R	< 10	680	< 4	< 4	< 0.008
MRS 076R	15	410	16	< 4	< 0.008
MRS 077R	10	375	22	< 4	< 0.008
MRS 078R	< 10	265	< 4	< 4	< 0.008
MRS 079R	< 10	260	< 4	< 4	< 0.008

789024

No. 7 Batch (Continued)

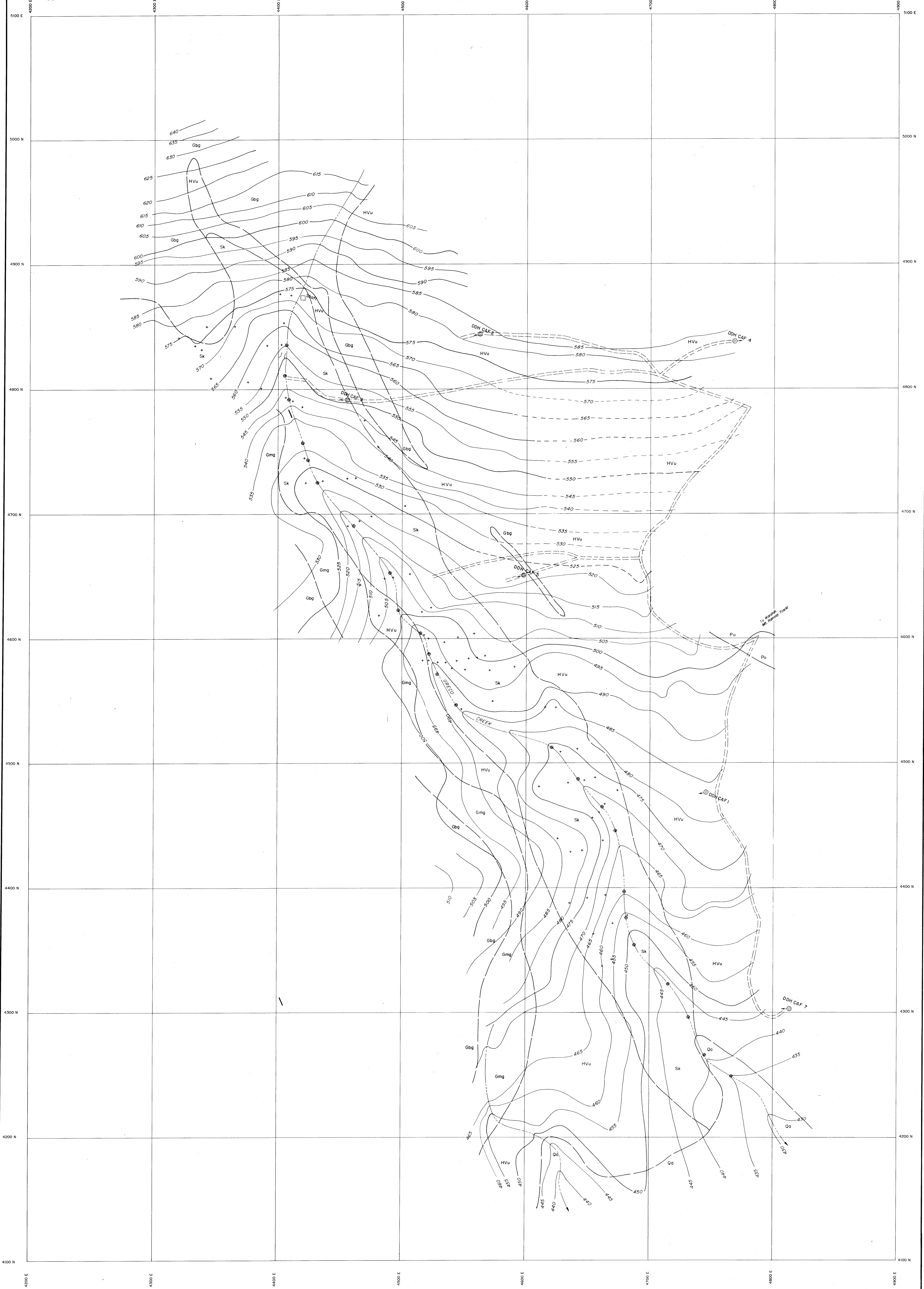
Sample No.		<u>WO₃</u> ppm	<u>Sn</u> ppm	<u>Ei</u> ppm	<u>Mo</u> ppm	<u>Au</u> g/tonne
MRS 080R	-	< 10	250	14	< 4	< 0.008
MRS 081R	-	30	415	< 4	< 4	< 0.008
MRS 082R	-	< 10	48	< 4	6	< 0.008
MRS 083R	-	10	620	< 4	< 4	< 0.008
MRS 084R	-	< 10	180	14	< 3	< 0.008
MRS 085R	-	< 10	330	10	< 4	< 0.008
MRS 086R	-	20	44	6	< 4	0.010
MRS 087R	-	< 10	485	< 4	< 4	< 0.008
MRS 088R	-	25	840	94	< 4	0.030
MRS 089R	-	20	950	12	< 4	0.010
MRS 090R	-	< 10	255	< 4	< 4	< 0.008
MRS 091R	-	< 10	315	10	4	0.040
MRS 092R	-	< 10	1040	12	< 4	< 0.008
MRS 093R	-	< 10	445	16	< 4	0.020
MRS 094R	-	15	155	6	< 4	0.050
MRS 095R	-	< 10	760	20	< 4	0.030
MRS 096R	-	25	265	14	< 4	< 0.008
MRS 097R	-	< 10	415	14	< 4	< 0.008
MRS 098R	-	< 10	36	10	< 4	0.090
MRS 099R	-	15	290	4	< 4	< 0.008
MRS 100R	-	20	220	16	< 4	0.008
MRS 101R	-	< 10	540	32	< 4	0.010
MRS 102R	-	10	< 4	10	< 4	0.070
MRS 103R	-	< 10	105	< 4	< 4	0.110
MRS 104R	-	80	405	34	< 4	< 0.008
MRS 105R	-	35	740	44	6	< 0.008
MRS 106R	-	150	520	18	< 4	< 0.008
MRS 107R	-	10	470	34	4	< 0.008
MRS 108R	-	< 10	370	10	< 4	< 0.008
MRS 109R	-	< 10	495	22	6	< 0.008
MRS 110R	-	350	1200	4	< 4	0.040
MRS 111R	-	< 10	12	< 4	6	0.010
MRS 112R	-	30	1020	24	< 4	< 0.008
MRS 113R	-	880	950	28	< 4	< 0.008
MRS 114R	-	15	300	16	< 4	< 0.008
MRS 115R	-	< 10	760	8	< 4	< 0.008

021

789025

No. 7 Batch (Continued)

<u>Sample No.</u>		<u>WO₃</u> <u>ppm</u>	<u>Sn</u> <u>ppm</u>	<u>Bi</u> <u>ppm</u>	<u>Mo</u> <u>ppm</u>	<u>Au</u> <u>g/tonne</u>
MRS 116R	-	30	520	20	< 4	< 0.008
MRS 117R	-	10	750	12	< 4	< 0.008
MRS 118R	-	< 10	78	4	< 4	< 0.008
MRS 119R	-	40	580	20	< 4	< 0.008
MRS 120R	-	25	315	24	< 4	0.030
MRS 134R	-	1480	200	62	< 4	0.070
MRS 135R	-	120	270	44	6	0.030
MRS 136R	-	1060	260	30	< 4	0.060
MRS 137R	-	35	190	14	4	0.010
MRS 138R	-	20	165	18	< 4	0.010
MRS 139R	-	110	145	6	< 4	0.010
MRS 140R	-	20	175	12	< 4	< 0.008
MRS 141R	-	780	210	62	< 4	0.060
MRS 142R	-	30	175	6	4	< 0.008
MRS 143R	-	25	100	6	< 4	< 0.008
MRS 144R	-	< 10	185	18	< 4	< 0.008
MRS 145R	-	< 10	< 4	< 4	< 4	< 0.008
MRS 146R	-	15	240	< 4	< 4	0.010
MRS 147R	-	35	225	< 4	< 4	0.010
MRS 148R	-	70	670	4	< 4	0.008
MRS 149R	-	< 10	550	< 4	< 4	0.020
MRS 150R	-	< 10	800	80	< 4	0.030
MRS 151R	-	45	720	16	< 4	0.030

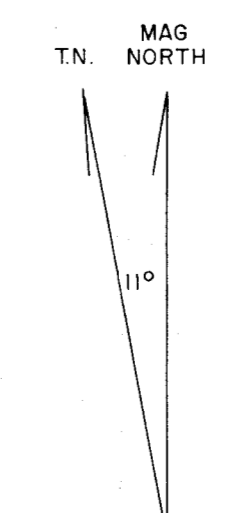
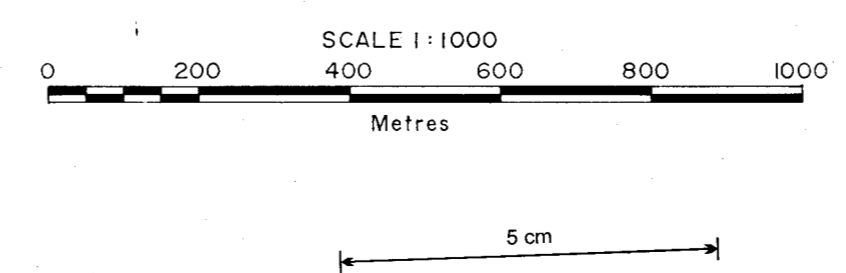


LEGEND

- Shaft
- DDH CAF 1
Comestoff Diamond Drill hole
- Creek
- Bulldozer track
- Contour
- Geological Boundary

GEOLOGIC REFERENCE

- [Gg] Alluvium and River gravels
- [Gmg] Microgranite
- [Gbg] Mt. Ramsay Biotite Granite
- [Sk] Skarn (Diopside, garnet, vesuvianite, magnetite assemblages)
- [HVu] Horstfaced volcanoclastic units (Argillites, siltstone, sandstones, minor basalt)
- [Pu] Palaeozoic Units (Argillites with cherts)



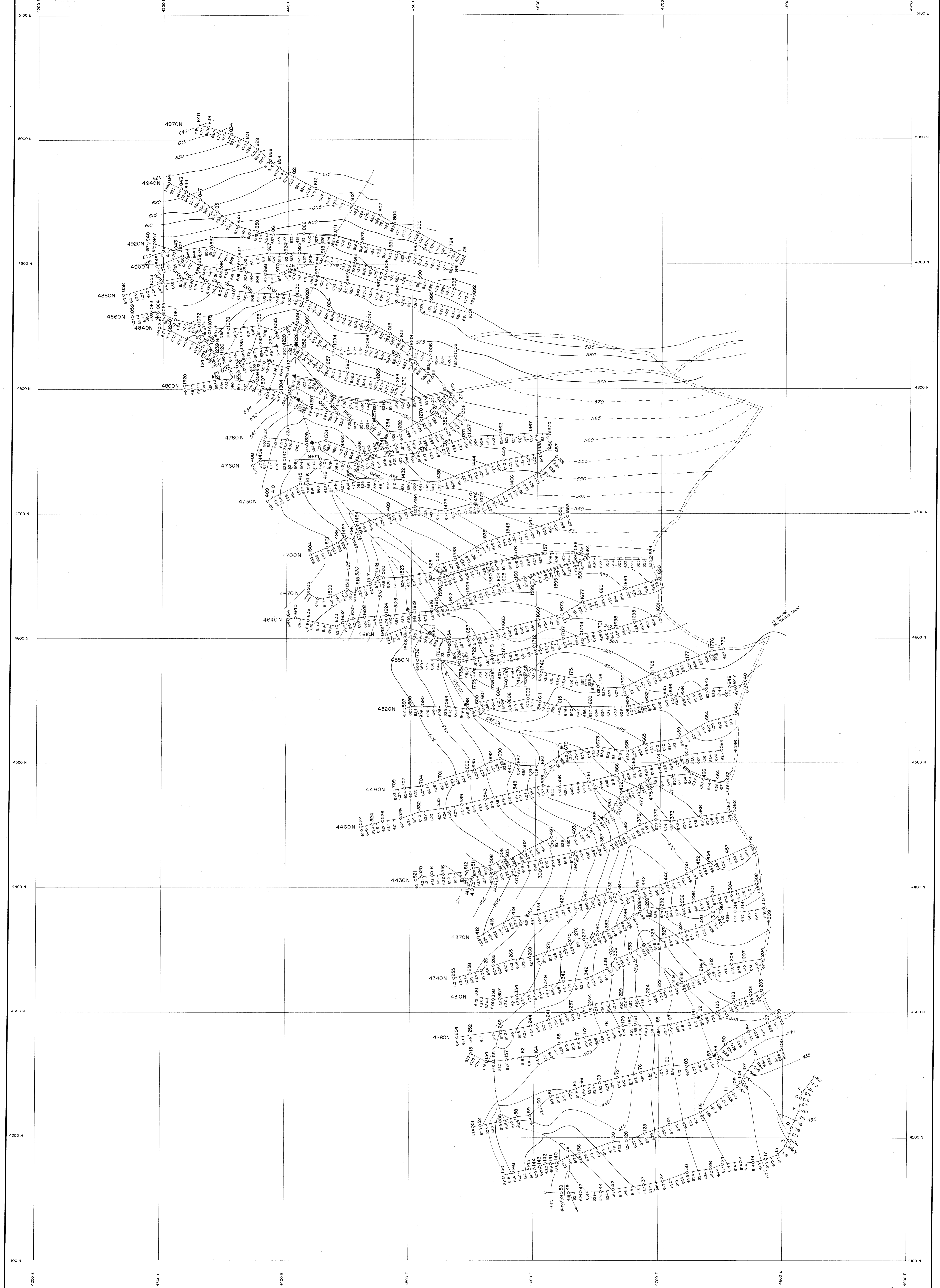
789026

Pan Australian Mining Ltd

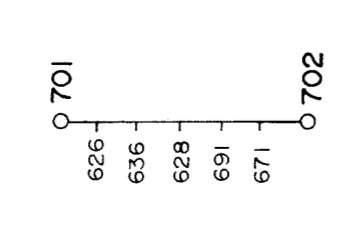
EL 4/86 MT. RAMSAY SKARN ZONE
GEOLOGY

Prepared by C. Whitehead Date December, 1987
Drawn by 3 Way Graphics Plan No. MX-4

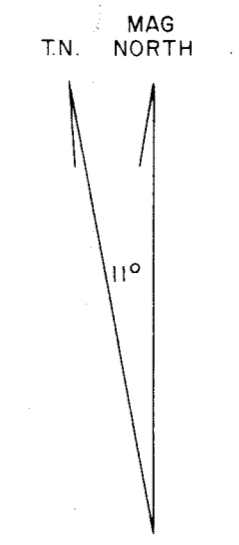
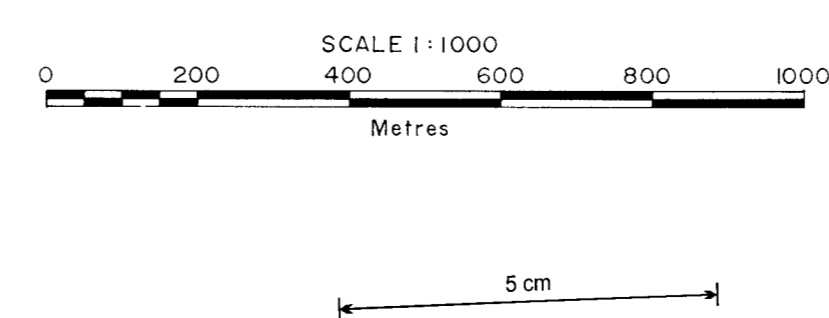
PLATE NO. 1/87



Creek
 Bulldozer track
 Contour



Magnetic Survey Station - M
 Gamma's '000's

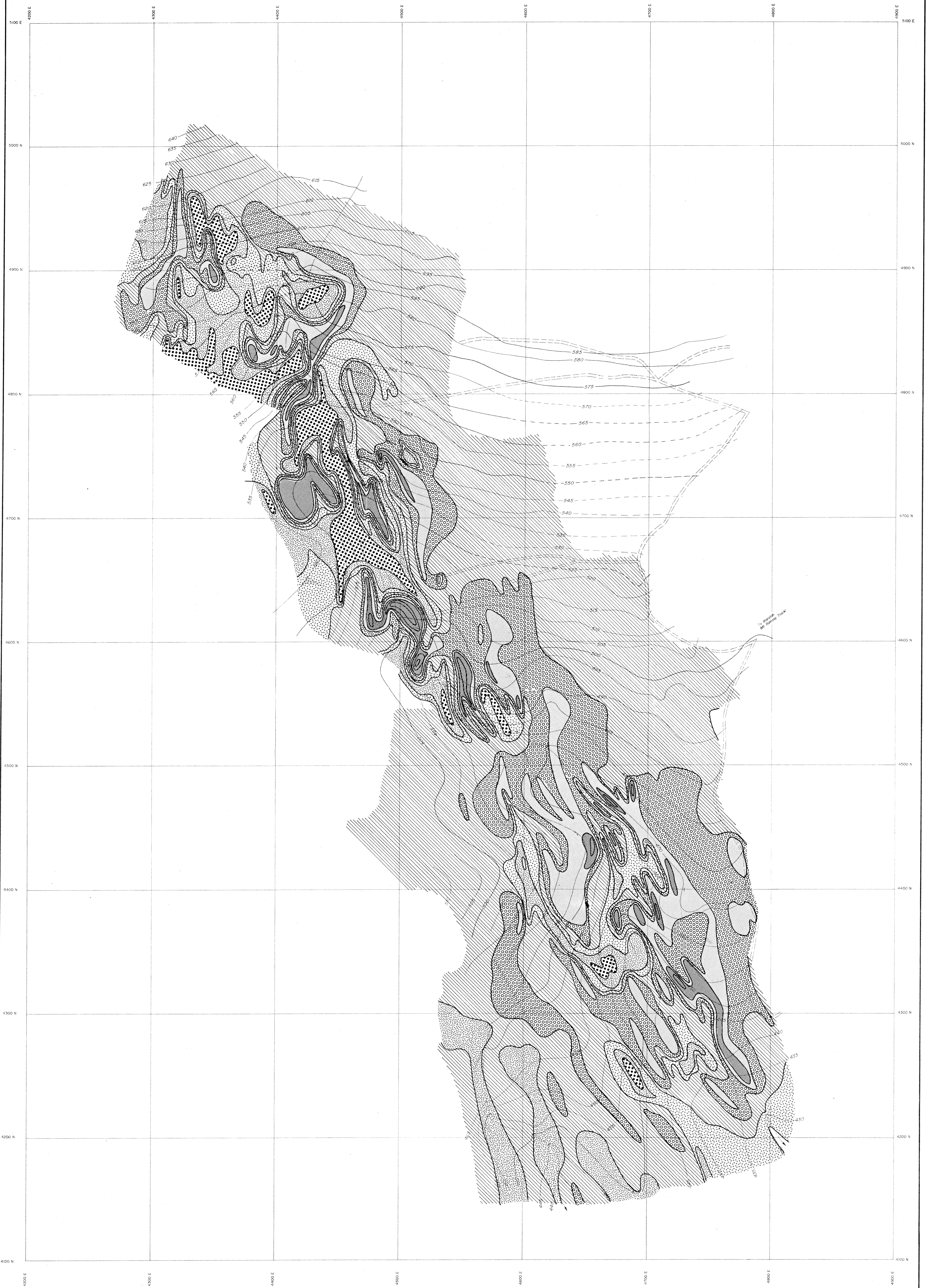


789027

Pan Australian Mining Ltd
 EL 4/86 MT. RAMSAY
 MT. RAMSAY SKARN ZONE
GROUND MAGNETIC SURVEY DATA

Prepared by	C. Whitehead	Date	December, 1987
Drawn by	3 Way Graphics	Plan No.	MX-13

PLATE NO. 2/87

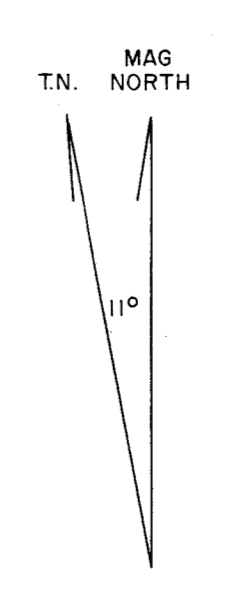
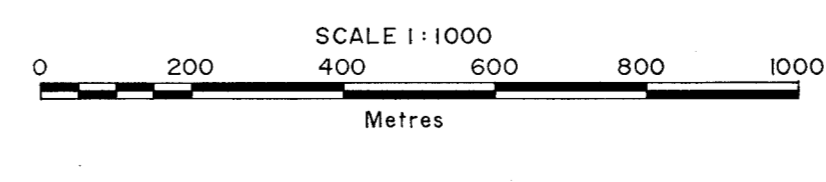


LEGEND

- Creek
- Bulldozer track
- Contour

VERTICAL MAGNETIC FIELD (nT)

	>650,000		610 - 620,000
	640 - 650,000		600 - 610,000
	630 - 640,000		<600,000
	620 - 630		



789028

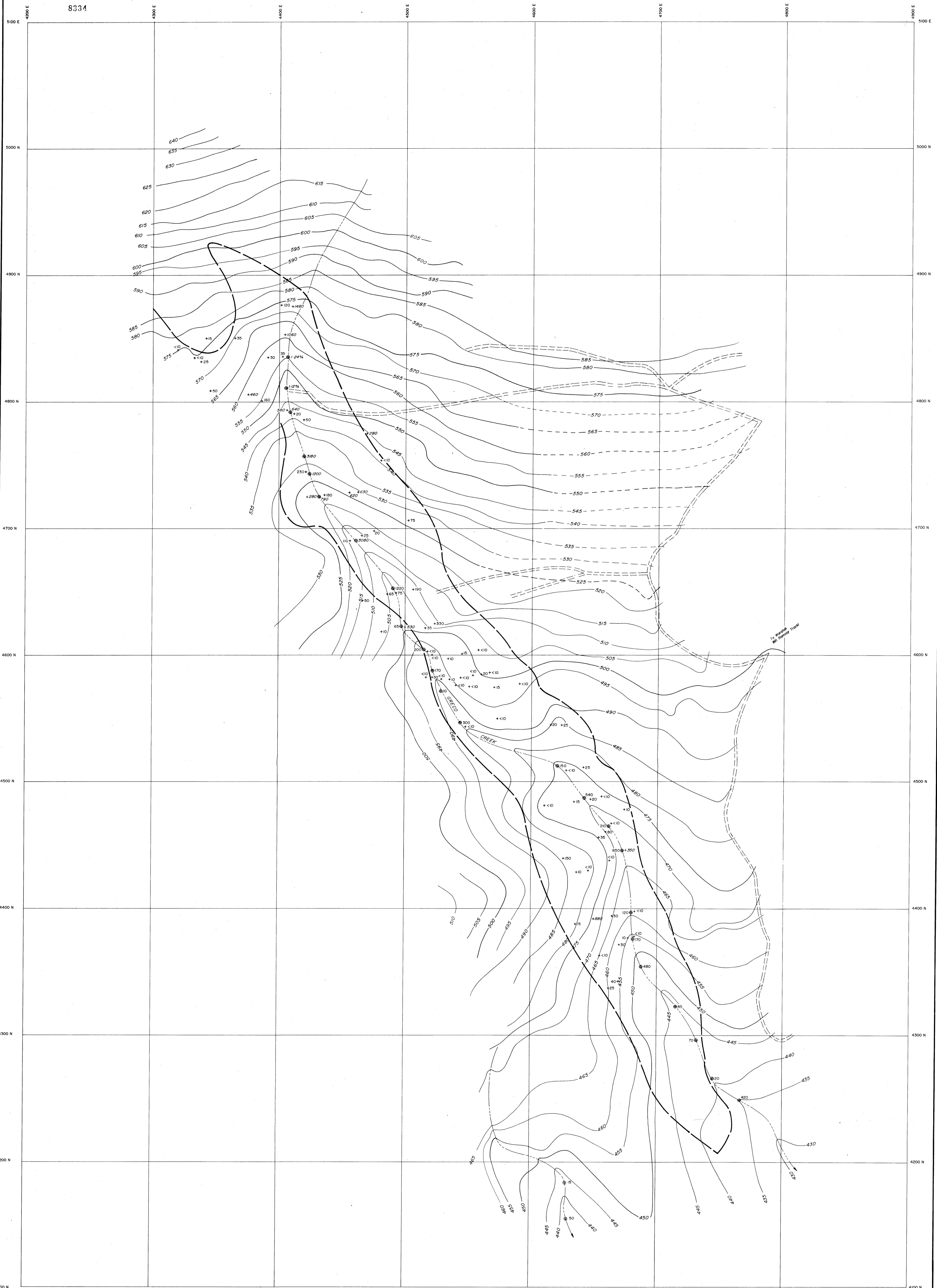
Pan Australian Mining Ltd

SK55-3 35-2902 BURNIE

EL 4/86 MT. RAMSAY
MT RAMSAY SKARN ZONE
GROUND MAGNETIC SURVEY CONTOURS

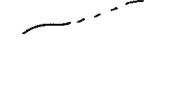
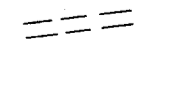
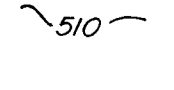

Prepared by C. WHITEHEAD	Date DECEMBER 1987
Drawn by 3 WAY GRAPHICS	Plan No. MX-14

PLATE NO. 3/87

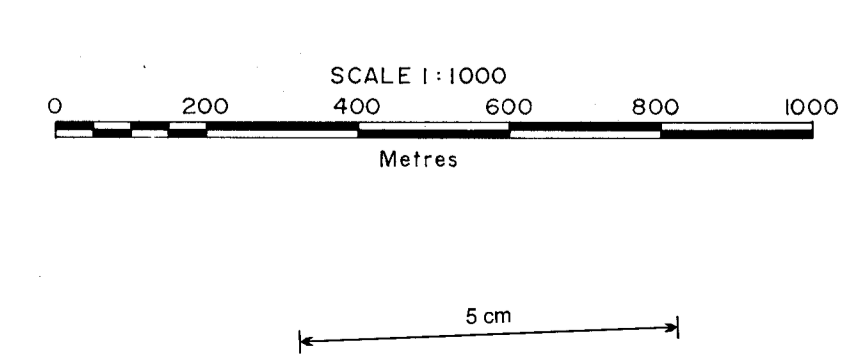


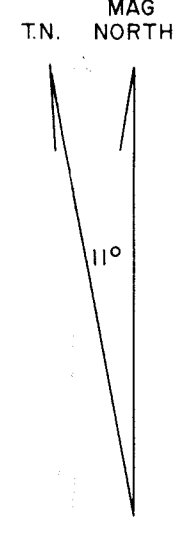
4200 E 4300 E 4400 E 4500 E 4600 E 4700 E 4800 E 4900 E

4200 N 4300 N 4400 N 4500 N 4600 N 4700 N 4800 N 4900 N 5000 N

 Creek
 Bulldozer track
 Contour
 Skarn zone limit

@20 Pan Concentrate Sample - Tungsten value - WO_3 ppm, D/L 10 ppm
 +160 Rock Sample - Tungsten value - WO_3 ppm, D/L 10 ppm
 +2500 Rock Sample - Assay value > 250 ppm WO_3



MAG NORTH
 T.N. NORTH


789031

Pan Australian Mining Ltd

EL 4/86 MT. RAMSAY

MT. RAMSAY SKARN ZONE

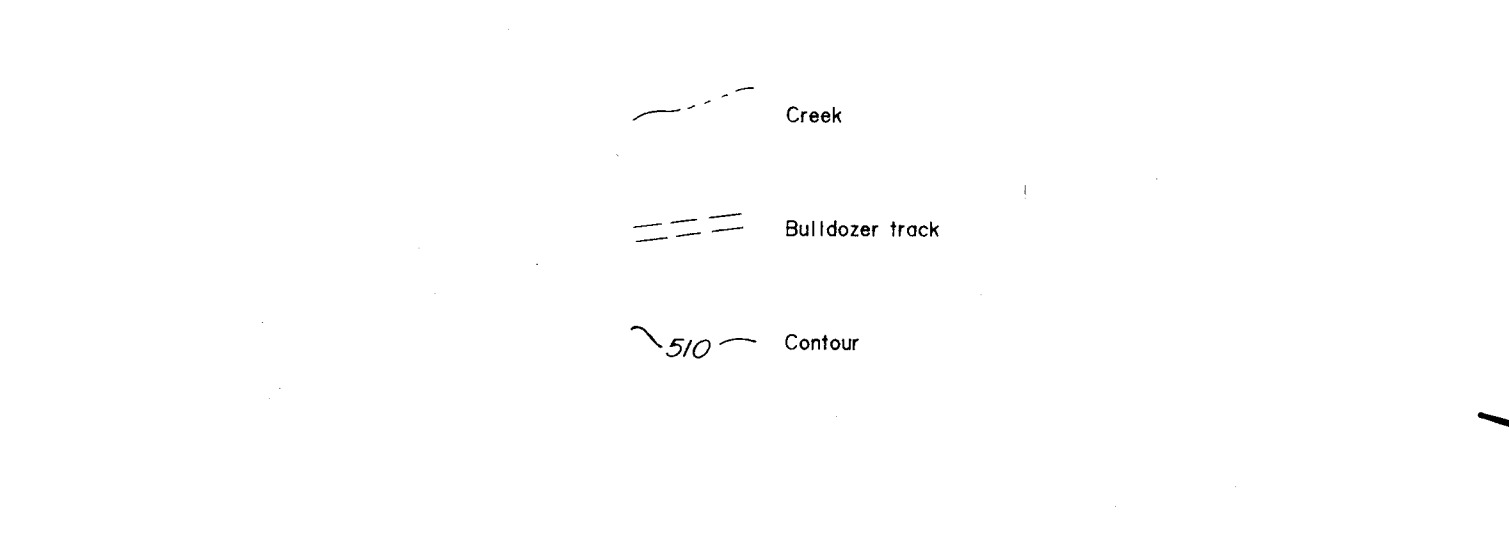
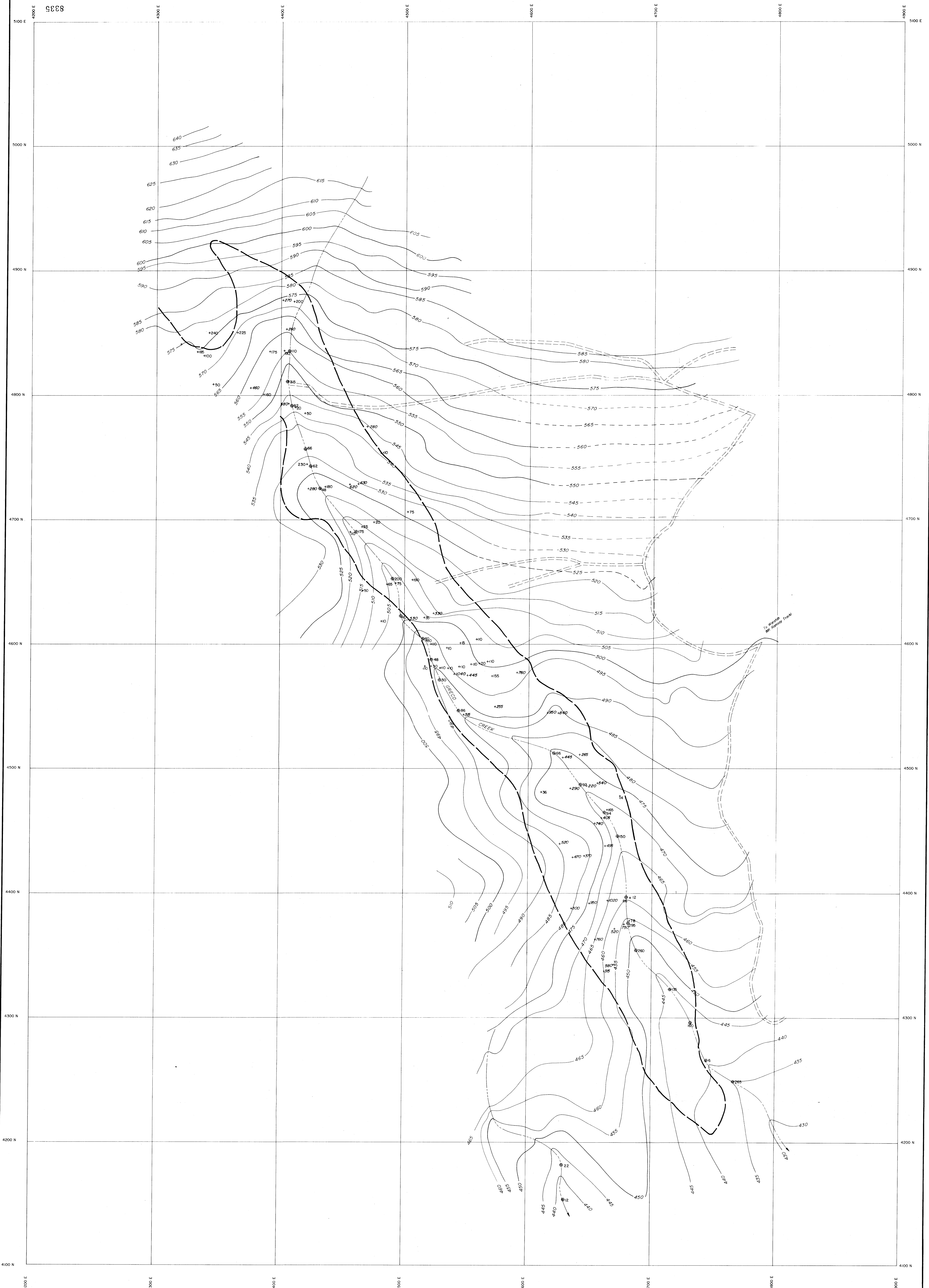
ASSAY VALUES / TUNGSTEN

(ppm/% WO_3)

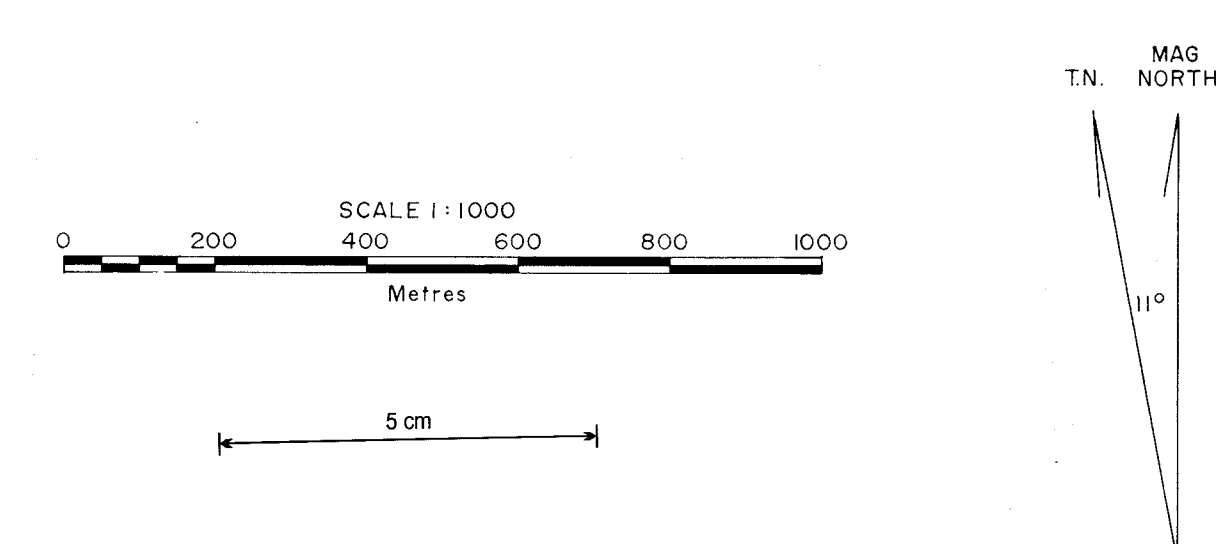
Prepared by C. Whitehead Date December, 1987

Drawn by 3 Way Graphics Plan No. MX-7

PLATE NO. 6/87



B Pan Concentrate Sample Sn value ppm
 D/L=4ppm
 R Rock Sample Sn value ppm
 D/L=4ppm
 S Rock Sample Sn value ppm +250ppm Sn



789032

Pan Australian Mining Ltd

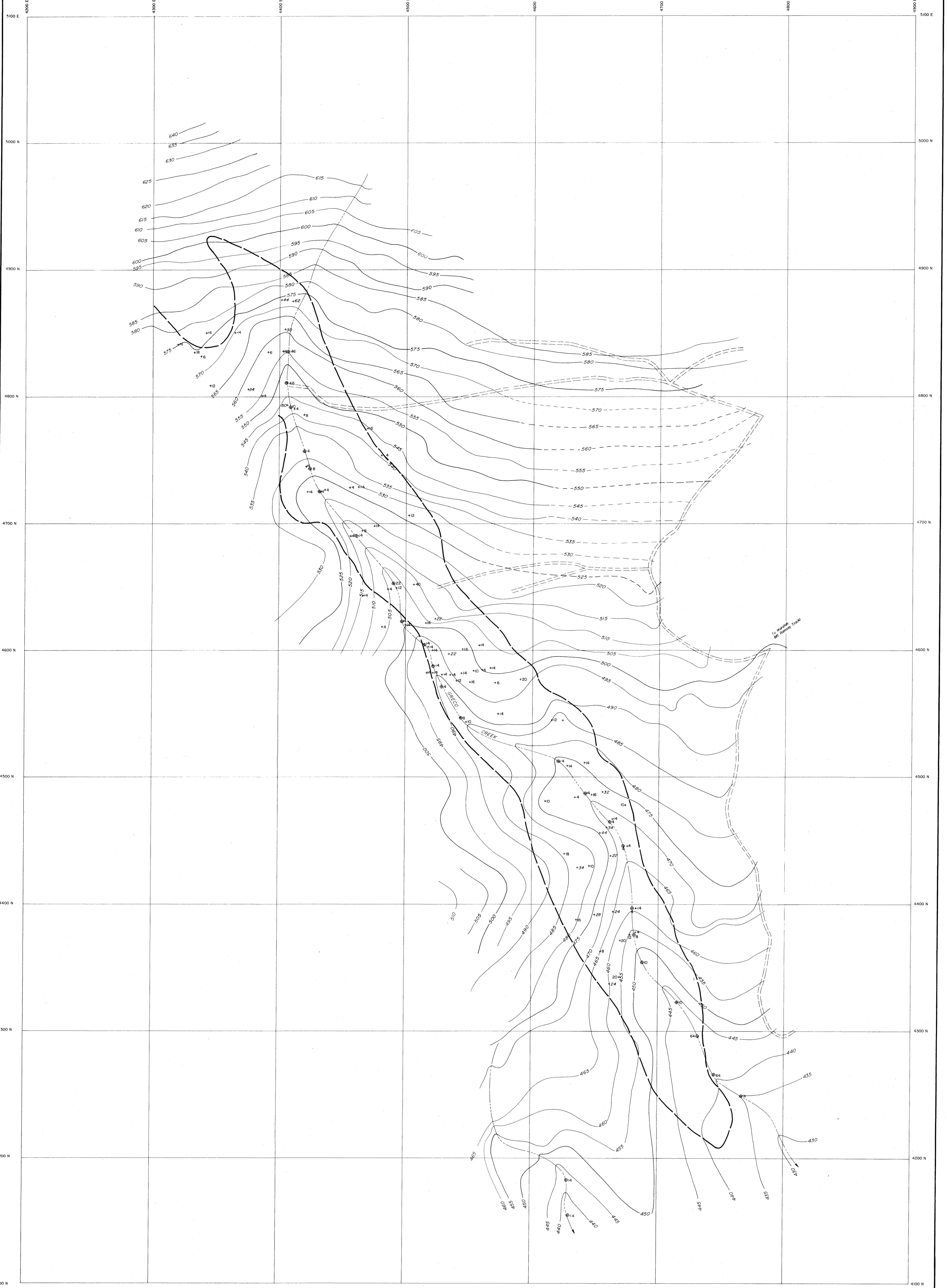
SK55-3

EL 4/86 MT. RAMSAY
 MT. RAMSAY SKARN ZONE
 ASSAY VALUES - TIN ppm

Prepared by C. Whitehead Date December, 1987
 Drawn by 3 Way Graphics Plan No MX-11

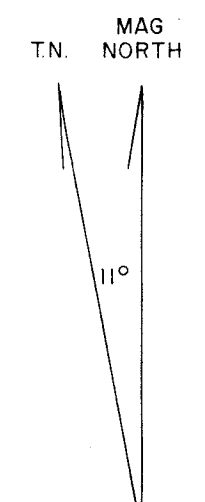
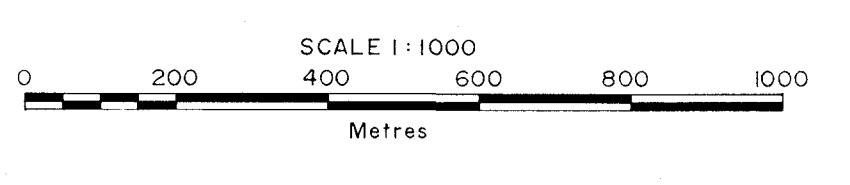
BURRIE

PLATE NO 7/87



Creek
 Bulldozer track
 Contour

Point Concentrate Sample - Bismuth value ppm, D/L = 4ppm
 Rock Sample - Bismuth value ppm D/L = 4ppm
 Skarn Zone Limit



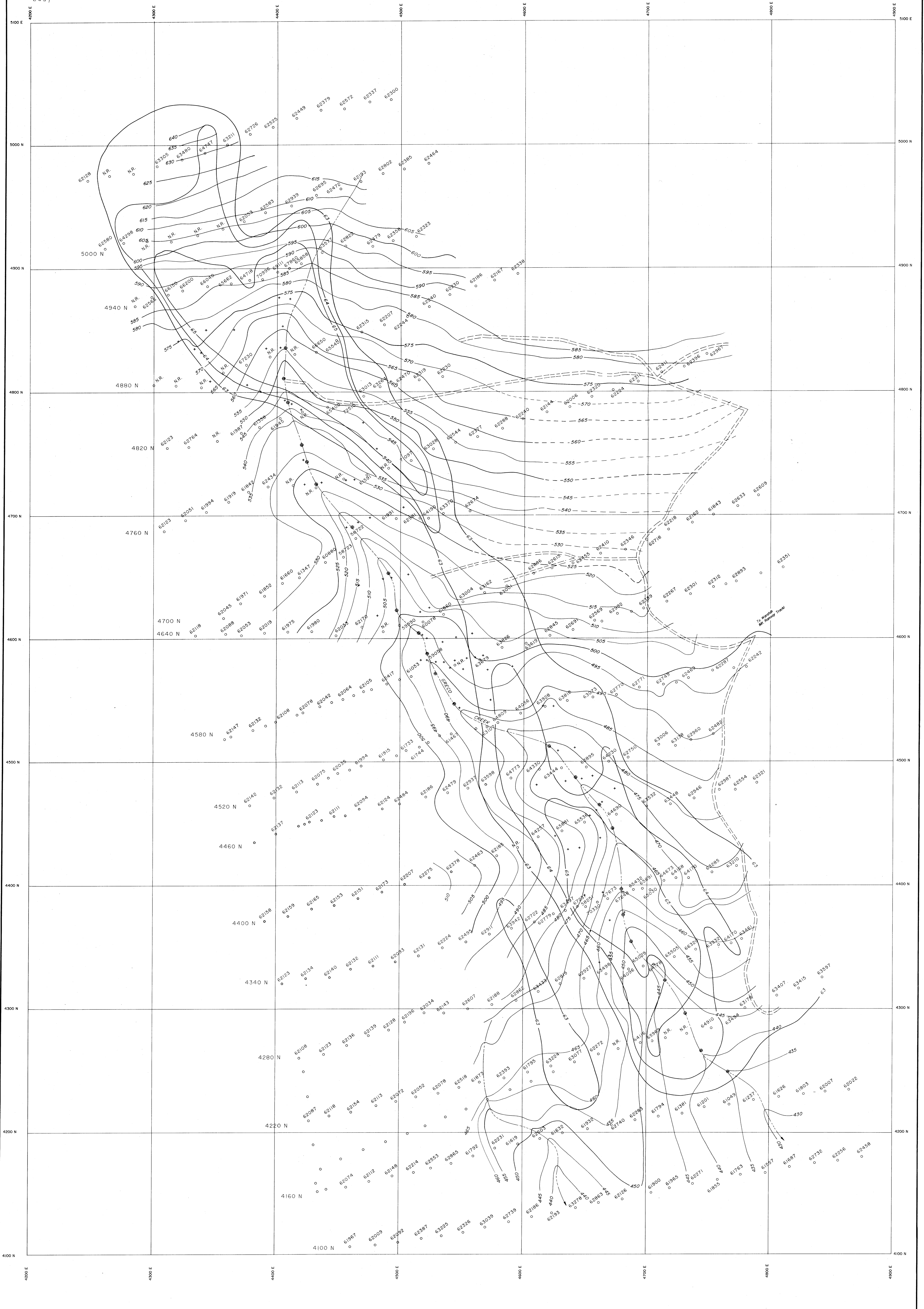
789033

Pan Australian Mining Ltd

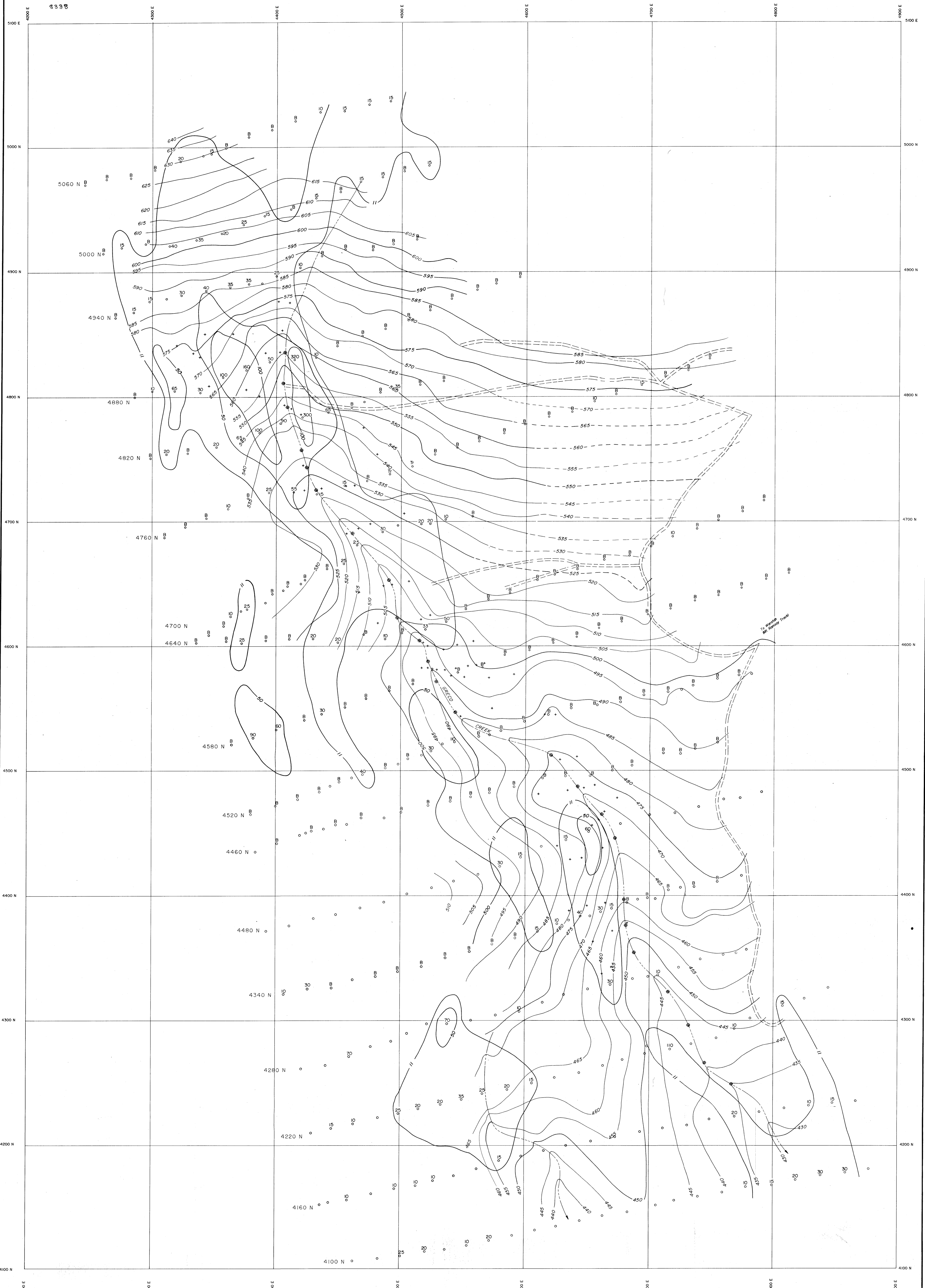
EL 4/86 MT. RAMSAY
 MT. RAMSAY SKARN ZONE
 ASSAY VALUES- BISMUTH ppm

Prepared by C. Whitehead Date December, 1987
 Drawn by 3 Way Graphics Plan No. MX-12

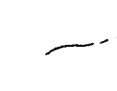
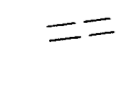
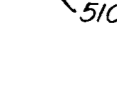





BURWIE
 33-2302
 PLATE NO. 8/87

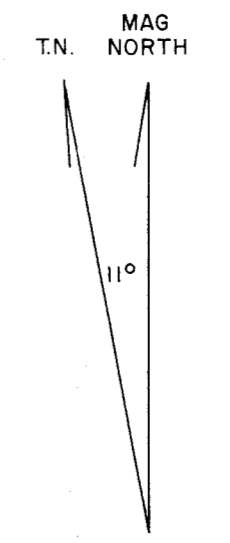
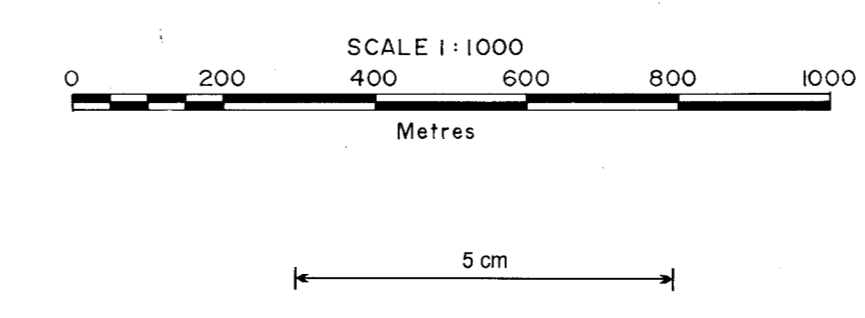


<p> Creek Bulldozer track Contour </p>	<p> Pan Concentrate Sample Location Rock Chip Sample Location Comstaff Ground Magnetometer Station with reading </p>	<p> Scale 1:1000 0 200 400 600 800 1000 Metres </p>	<p> MAG NORTH </p>
<div style="display: flex; justify-content: space-between; align-items: center;"> 789034 <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Pan Australian Mining Ltd</p> <p>EL 4/86 MT. RAMSAY MT. RAMSAY SKARN ZONE</p> <p>GROUND MAGNETOMETER CONTOURS AND READINGS (Comstaff 1982)</p> <p><small>SK55-3</small></p> <p><small>Prepared by C. Whitehead Date DECEMBER, 1987</small></p> <p><small>Drawn by 3 Way Graphics Plan No. MX-8</small></p> <p><small>Plan reproduced from Comstaff data 1982</small></p> </div> PLATE NO 9/87 </div>			



LEGEND

-  Creek
-  Bulldozer track
-  Contour
-  Pan Concentrate Sample Location
-  Rock Chip Sample Location
-  Contour Tungsten ppm.
-  Comstaff Auger Sample Location with Tungsten ppm
-  Below Limit of Detection



789035

Pan Australian Mining Ltd

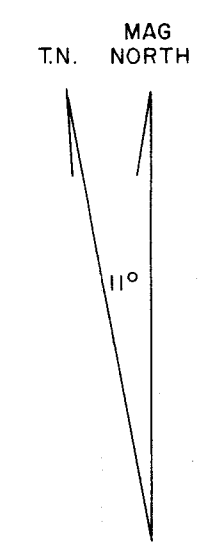
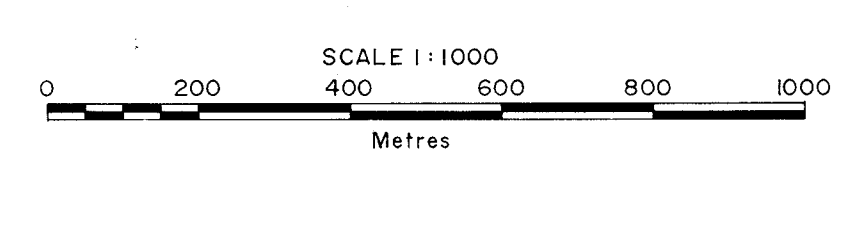
EL 4/86 MT. RAMSAY
 MT. RAMSAY SKARN ZONE
 GEOCHEMICAL AUGER SAMPLING
 (Comstaff 1982)
TUNGSTEN RESULTS in ppm

Prepared by C. Whitehead Date December, 1987
 Drawn by 3 Way Graphics Plan No. MX - 6
 Plan reproduced from Comstaff Data (1982) PLATE NO. 10/187



LEGEND

- Creek
- Bulldozer track
- Contour 510
- Contour 35
- Contour 100
- Contour 500
- Pan Concentrate Sample location
- Rock Chip Sample location
- Comstaff Auger Sample Location with Tin ppm
- Below Limit of Detection



789036

Pan Australian Mining Ltd

EL 4/86 MT. RAMSAY
 MT. RAMSAY SKARN ZONE
 GEOCHEMICAL AUGER SAMPLING
 (Comstaff 1982) 38-2502
TIN RESULTS in ppm

Prepared by C. Whitehead Date December, 1987
 Drawn by 3 Way Graphics Plan No. MX-9
 Plan reproduced from Comstaff data (1982) PLATE No. 11/87