

932001

PAN AUSTRALIAN MINING LTD.

EXPLORATION LICENCE 4/86 - MT. RAMSAY (W. TASMANIA).

OPEN FILE

Report A - PRELIMINARY ANNUAL REPORT, YEAR 1
(WORK COMPLETED 30-05-1986 to
29-03-1987, 10 MONTHS)

Report B - PROPOSED EXPLORATION PROGRAMME, YEAR 2

AMG REFERENCE POINTS ADDED

MINES	
File Ref. E.L.4/86	
24 APR 1987	
Doc. Ref. 783	
Action Officer	Initials
Resubmit to	Date

C.H. WHITEHEAD
GEOLOGIST.
30-03-1987.

REPORT NO. 1987/15

87-2654
V 1/2

PAN AUSTRALIAN MINING LIMITEDEXPLORATION LICENCE No 4/86 - MT. RAMSAYREPORT A. - PRELIMINARY ANNUAL REPORT (10 MONTHS - YEAR 1)TABLE OF CONTENTSPage

A.1	Exploration Objectives - Targets	1
A.2	Work Completed	
	A.2.A - Preamble - General	2
	A.2.B - Regional Programme	2,3
	A.2.C - Mt. Ramsay Skarn Programme	3,4,5
A.3	Exploration Expenditures	6
ATTACHMENT "A"	- Exploration Programme - Original Proposals, Year 1 and 2.	
ATTACHMENT "B"	- Statement of Expenditures, E.L.4/86, Year 1	
APPENDIX 1	- Sample Record Summary Sheet, & Batch 1 to 5 Records.	
FIGURE NO 1	- E.L.4/86 - Location Plan	
FIGURE NO 2	- Exploration Programme Locations - E.L.4/86	
APPENDIX 2	- <i>SUPPLEMENTARY REPORT/RESULTS TO ACCOMPANY ANNUAL REPORT</i>	

MICROFILMED

001

E.L.4/86 - PRELIMINARY ANNUAL REPORT, YEAR 1A.1 - EXPLORATION OBJECTIVES - TARGETS

Exploration objectives within the 112sq km region embraced by E.L.4/86 are to assess the mineralised potential of both the eastern contact zone of the Meredith Granite intrusion and the alluvial areas within the intrusive body itself.

Commodity wise, emphasis was to be placed upon assessing the tungsten, tin and gold potential of the intrusive marginal contact zones, but however, the overall exploration was to be of such a nature as to assess the "other mineral" potential of the overall E.L. area, in particular, that of osmiridium, tin, bismuth and fluorite.

Priority exploration targets and a breakdown of exploration programmes are threefold, namely:-

A - Regional Exploration Programme

- To assess the overall mineralised potential along the eastern contact of the Meredith Granite intrusion. Regional exploration work was aimed at delineating one or more potential WO₃ mineralised models - either skarns, porphyries, greisen, stockwork types - within this favourable geological environment.

B - Mt. Ramsay Skarn Programme

- To investigate the economic tungsten, tin and/or gold potential of the known Mt.Ramsay skarn deposit, and its possible geological extensions.

C - Alluvial Exploration Programme

- To evaluate by detailed sampling programmes 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.

(Please refer to Figures 1 and 2)

002

A.2 - EXPLORATION WORK COMPLETED

A.2.A. Preamble - General

To satisfy the exploration objectives/aims as outlined in the preceeding section, an exploration programme of one to two years duration (but including two summer field seasons) was originally proposed.

An itemised breakdown of these original intentions is presented on Attachment A.

The first year summer field season is currently underway, and although there have been slight changes (modified according to ongoing results) and reductions (due to moderate budgetary constraints), the overall exploration intentions are in general being adhered to.

The non-field aspects (literature review, data compilation, photogeology) of both the "Regional Programme" and the "Mt. Ramsay Skarn Programme" were completed, and detailed field investigations of the Mt. Ramsay Skarn zone were initiated and are currently in progress.

To date, during this years activities, no work has been completed on the "Alluvial Exploration Programme".

The programme has been directed and monitored from the Company headquarters in Brisbane, and exploration work has been undertaken by Tasmanian based geologic/exploration crews.

Close liason has been maintained with the District Forester/Forestry Commission during exploration activities.

A.2.B - Regional Programme

The collection and subsequent review of all available literature and data applicable to the E.L. area has been completed. The data of greatest significance was open - file detailed reports and plans documented by Comstaff Prop. Ltd. (E.L.5/63), and to a lesser extent that of Aberfoyle Explor. Pty. Ltd (E.L.16/78).

New airphoto coverage (Tasmap - flown October, 1986) was made over the region embraced by E.L.4/86, and both monochrome and subsequently colour prints at 1:2500 were acquired. Photogeological studies, and correlation with past Exploration Company results, have been underway along the eastern contact of the Meredith Granite from the South Bischoff Mine (Comstaff Grid C S B) to south of Mt. Ramsay (Grid C.A.I).

Track access, south of Wombat Flats along the old Ramsay track (modified by Comstaff) was reopened during the earlier parts of the field season, and also, the old Comstaff grid areas were relocated.

Preliminary field observations along the intrusive margins show well developed greisen zones - both tourmaline muscovite variants - together with well developed quartz - tourmaline vein systems.

The intrusive metamorphic aureole is quite extensive - up to 1 km wide - with most intruded sequences being hornfelsed and the carbonate sequences showing the greatest degree of thermal metamorphism - metasomatic effects.

The review of past Comstaff work revealed that the greatest proportion of investigations related to the Meredith Granite and its contact zone consisted of grid ground surveys following on from interpreted airborne geophysical anomalies. Emphasis was placed upon a base metal evaluation, and with the exception of the Mt. Ramsay CAF grid, the W03 and Au potential appeared to receive scant attention.

A.2.C Mt. Ramsay Skarn Programme

This skarn location is found 6.5 km due south of the old South Bischoff mine immediately bordering the Meredith granite.

It is believed to be an Mg infiltration skarn and represents the alteration of a sequence of impure carbonates and siltstones.

004

Comstaff originally (1981) established a grid pattern (CAF) over the skarn, and subsequently, seven diamond drill holes were completed in and around the skarn deposit.

During the current field season, detailed investigations have been completed, and are currently underway. Investigations are documented below:-

- i) reclearing access tracks to and within the skarn area. (4 W.D. vehicle access is possible to the area, winching is generally required for access to the old mine workings and Greco Creek).
- ii) collect and review all open file Comstaff reports and plans.
- iii) examination, partial relogging/sampling (batch 4 - Appendix) of Comstaff diamond drill core - holes CAF 1 to 7.
- iv) photogeological appraisal of the skarn area and surrounding district.
- v) complete reconnaissance mapping and regional sampling (grab rock samples, pan concentrate samples (batch 1 - Appendix).
- vi) initial examination and sampling of the old Mt. Ramsay Au - Bi mine workings area. (sample batch 2 and 3).
- vii) attempt to relocate the old Comstaff grid lines established at 60m intervals across the skarn in 1981.
- viii) establish a new grid pattern over the deposit. Lines were cut at either 20 or 30m intervals over a 840m strike distance. (Total line cutting was 8.5 km.
- ix) over the new grid system, a detailed ground magnetic survey was completed, readings being taken at 5m intervals. Results were plotted and contoured.
- x) the established grid lines are currently being systematically mapped, sampled and topographically surveyed.

- xi) pan concentrate sampling of drainage (Greco Creek and tributaries) was completed at approximately 25m intervals (sample batch 5).
- xii) concurrent with systematic mapping, rock-sampling of the skarn zone and other metasomatically altered rocks is being completed. U.V. lamping of these samples and major outcrops is being undertaken.
- xiii) the old Mt. Ramsay mine adit (35m advance) was reopened, and this has been re-examined, U.V. lamped and systematically sampled (3m intervals) - batch No. 6
- xiv) on completion of the topographical survey and geologic mapping, an overall evaluation of the above surface work will be made.

Preliminary investigations/results show that skarn mineral assemblages are developed over a continuous zone of approximately 700m strike length (strike NNW - SSE.) The zone is narrowest in its northern extremity (10 - 15m) and widens towards the south (75 - 80m). The skarn dips west into the intrusive which is bordered by greisen zones and quartz tourmaline rich granite.

The skarn itself consists of medium to coarse textured garnet - vesuvianite - diopside - ferrohastigite and is intercalated and bordered to the east with calc - silicate altered pelite and hornfelsed argillite units.

Initial surface sampling shows the northern extremities of the skarn (around the vicinity of the old mine workings) to be anomalous in both tungsten (maximum 0.60% WO₃) and gold (1.8g/tonne). The extent of the tungsten anomalism to the south, and its spatial relationship re the skarn and granite front is currently being evaluated. The possible tin potential of the skarn to the south was not confirmed by pan concentrate sampling.

A.3 EXPLORATION EXPENDITURES

Exploration expenditures incurred during the initial 10 months period ending 29th March, 1987 total \$ 20 967.00. An itemised breakdown of this expenditure is shown as Attachment "B".

Cliff Whitehead

Cliff H. Whitehead
Contract Geologist
for Pan Australian Mining Ltd.
30-03-1987.

PAN AUSTRALIAN MINING - E.L.4/86 - MT. RAMSAYEXPLORATION PROGRAMME - ORIGINAL PROPOSALS, YEARS 1 and 2

It would be proposed to complete the initial work over a one to two year period (two summer field seasons).

Regional Programme

- Literature review.
- Compilation and analysis of previous company exploration data.
- Base map preparation.
- Photogeological appraisal.
- Reconnaissance geological mapping.
- Detailed geological (petrological/mineralogical) appraisal of the east margin of the Meredith intrusive and contact rocks.
- Pan concentrate heavy mineral sampling programme, both regional and in-fill.

Mount Ramsay Skarn Programme

- Base map preparation.
- Reopen old (1981 - 1984) Comstaff grid.
- Detailed appraisal of Comstaff geophysical - geochemical data.
- Detailed grid, geological mapping and examination of intrusive margin.
- Infill grid ground magnetics, pan concentrate sampling and power auger drilling.
- Detailed examination of known skarn geological extensions.
- Detailed examinations (geological - sampling) of old Mt. Ramsay bismuth mine workings.
- Evaluation of above surface work, subsurface drilling consideration.

Alluvial Exploration Programme (Yellowband Creek etc.)

- Detailed pan concentrate sampling of Yellowband, White Pine, Keegan and Robbie Creek drainage patterns.
- Delineation of prospective alluvial areas.
- Grid establishment over prospective ground.
- Reconnaissance power auger sampling.
- Preliminary reserve estimates of potential ground.

ATTACHMENT "B"PAN AUSTRALIAN MINING LTD.STATEMENT OF EXPENDITUREEXPLORATION LICENCE NO. 4/86 - MT. RAMSAYFOR PERIOD 30.5.86 TO 28.2.87

	\$
Salaries and associated costs	919
Airborne Geophysical Surveys	5580
Operating Expenses	4102
Consulting & Contract Services	2939
Contract Geology	2400
Technical Services	1305
Assaying	987
Administration	2735
	<hr/>
TOTAL EXPENDITURE	\$20,967
	<hr/> <hr/>

009

932011

PAN AUSTRALIAN MINING LTD.ANNUAL REPORTE. L. 4/86 - MT. RAMSAYAPPENDIXSAMPLE RECORD SUMMARY SHEET

<u>Sample Patch</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. -	March 87	13	Rock (Adit)	WO ₃ , Sn, F, Au & Bi.

PAN AUSTRALIAN MINING LTD.NO. 1 BATCHE.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>Bi</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. 1B	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 - Grab 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. Bichoff drainage.

011

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	Bi	Pb	Au	Ag
		ppm	%						
		Amdel	Mines Dept.	ppm	ppm	ppm	ppm	g/tonne	ppm
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.

012

932014

PAN AUSTRALIAN MINING LTD.NO. 3 PATCHE. 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	^{Cu} <u>(Cu)</u> ppm	<u>Zn</u> ppm	<u>Pb</u> ppm	<u>Bi</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.

013

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

Samples collected/submitted - January 1987
 No. of samples - 15
 Type of sample - Diamond drill core (Comstaff)
 Assayed - AmdeI - 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>Bi</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

PAN AUSTRALIAN MINING LTD.

NO. 5 PATCH

E. L. 4/86 - MT. RAMSAY

SAMPLE/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.

PAN AUSTRALIAN MINING LTDNO. 6 BATCHE. L. 4/86 - MT. RAMSAYSAMPLE/ASSAY RECORD

Samples collected/submitted - March 1987
 No. of samples - 13
 Type of samples - Rock (chip sample) ADIT
 Assayed - Not yet assayed

<u>Sample No.</u>	<u>Adit</u>	<u>WO₃</u>	<u>Sn</u>	<u>F</u>	<u>Au</u>	<u>Mo</u>	<u>Pi</u>
	<u>Depth</u>	<u>ppm</u>	<u>ppm</u>	<u>%</u>	<u>g/ tonne</u>	<u>ppm</u>	<u>ppm</u>
MRS/121R -	0- 3						
MRS/122R -	3- 6						
MRS/123R -	6- 0						
MRS/124R -	9-12						
MRS/125R -	12-15						
MRS/126R -	15-18						
MRS/127R -	18-21						
MRS/128R -	21-24						
MRS/129R -	24-27						
MRS/130R -	27-30						
MRS/131R -	30-33						
MRS/132/R -	33-35						
MRS/133/R -	Adit floor 35m						

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

018

BASS

STRAIT

932018

FIG. N°1.

KING
ISLAND

FLINDERS
ISLAND

5 cm

TASMANIA

20 0 20 40 Kilometres

SCALE 1:1,800,000

Smithton

Burnie

Devonport

Scottsdale

MT. RAMSAY

St. Helens

Launceston

St. Mary

Rosebery

Zeehan

Queenstown

HOBART

INDIAN
OCEAN

OCEAN

TASMAN
SEA



PAN AUSTRALIAN MINING LIMITEDEXPLORATION LICENCE No.4/86 - MT. RAMSAYREPORT B - PROPOSED FUTURE EXPLORATION PROGRAMME

During the 2nd year tenency of E.L.4/86, commencing May 29th, 1987, additional exploration work would essentially be a continuation of ongoing activities/investigations currently in progress, or as originally proposed. Specifically, this work would be:-

- Regional Programme.

Continuing to investigate the Sn, WO₃ and Au potential and recognition of mineralised targets along the eastern margins of the Meredith Granite. This would include:-

- further additional reappraisal of previous airborne geophysical data along granite margin.
- reconnaissance and follow up pan concentrate heavy mineral sampling programme of drainage along the 8 km zone bordering the granite.
- complete regional geological mapping.

- Mt. Ramsay Skarn Zone.

- Completion of geologic mapping, sampling and topo survey of the gridded area.
- Thorough evaluation of first years exploration results and possible justification for drilling.

- Alluvial Exploration Programme.

This concerns an assessment of alluvial ground associated with the Yellowband, White Pine, Keegan and Robbie Creek drainage patterns. This will include:

- detailed pan concentrate sampling of the drainage.
- delineation of prospective alluvial areas.
- grid establishment over prospective ground.

In order that the above programmes of work may be completed, no relinquishments to the licence area are to be made.

Exploration expenditure commitments are anticipated to be in excess of \$12,000 during this second term of the E.L. tenancy.

CLIFF H. WHITEHEAD,
Contract Geologist.

932022

020

OPEN FILE

MINES	
File Ref.	EL 4/86
14 JUL 1987	
Doc. Ref.	
Action Officer	Initials
LETTER	
12 - 7 - 87	
REFERS.	
Resubmit to	Date
TASMANIA	

PAN AUSTRALIAN MINING LTD.

EXPLORATION LICENCE 4/86 - MT. RAMSAY (W. TASMANIA)

APPENDIX 2.

SUPPLEMENTARY REPORT/RESULTS TO ACCOMPANY

* ANNUAL REPORT - E.L. 4/86 - YEAR 1

(30-05-1986 TO 29-05-1987)

* Submitted 30th March 1987. Pan Australian Mining Report No. 1987/15.

C. H. Whitehead,
Geologist.

87-2654

v2/2

MICROFILMED

021

PAN AUSTRALIAN MINING LTD.
EXPLORATION LICENCE No. 4/86 -

SUPPLEMENTARY DATA - ANNUAL REPORT, YEAR 1.
(30/5/86 TO 29/5/87)

In support of an application for the renewal of E.L. 4/86, an "annual report" on work completed during the initial 10 months of Year 1 for E.L. 4/86 was completed and submitted to the Department Of Mines (16th April 1987) - Report No. 1987/15.

The attached data sheets and plans are supplementary information received or compiled during the final two months of Year 1, and as such are provided for inclusion with the original report. A statement of expenditure for the full term of E.L. 4/86 is included as "Attachment A".

The data and plans provided below are part of in - progress exploration work - grid surveys over the Mt. Ramsay skarn zone. The field work at this location was curtailed at the commencement of the current winter period, and should be re-activated by late October - early November. Final survey - controlled plans will not be prepared until after recommencing and finalising this field work at the grid area.



C. H. WHITEHEAD,
12th July 1987.

E. L. 4/86

SUPPLEMENTARY DATA ANNUAL REPORT

12 MONTHS TO 29/5/87

- Attachment A - Statement of Expenditures - E.L. 4/86
First Tenement Year 12 months to 29.5.87
- Attachment B - No. 6 BATCH - Sample/Assay Records.
Mt. Ramsay mine workings Assays -
WO₃, Sn, Au, Mo, Bi.
- Attachment C - No. 7 Batch - Miscellaneous Rock sampling
Mt. Ramsay skarn grid
Assays - WO₃, Au, Sn, Mo, Bi.
- Plan No. MRS. 4/A - Ground Magnetic Results - Mt. Ramsay Skarn
(uncontrolled)
- Plan No. MRS. 4/B - Geochemistry - Mt. Ramsay Skarn
(uncontrolled)

023

ATTACHMENT ASTATEMENT OF EXPENDITUREEXPLORATION LICENCE 4/86 - MT. RAMSAY TASMANIAFIRST TENEMENT YEARTWELVE MONTHS TO 29/5/87

	\$
Salaries and associated costs	919
Airborne geophysical surveys	5580
Operating expenses	5766
Consulting/contracting services	17277
Contract Geology	4331
Technical services	1473
Assaying	3463
Administration	4795
Total	<u><u>\$43,604</u></u>

W. H. H. H.
12/7/87

024

932026

ATTACHMENT B

PAN AUSTRALIAN MINING LTD.

NO. 6 BATCH

E.L. 4/86 - MT. RAMSAYSAMPLE/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 04414

<u>SAMPLE NO</u>	<u>Adit Depth (m)</u>	<u>WO₃ ppm</u>	<u>Sn ppm</u>	<u>Au g/l tonne</u>	<u>Mo ppm</u>	<u>Bi 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)

025
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

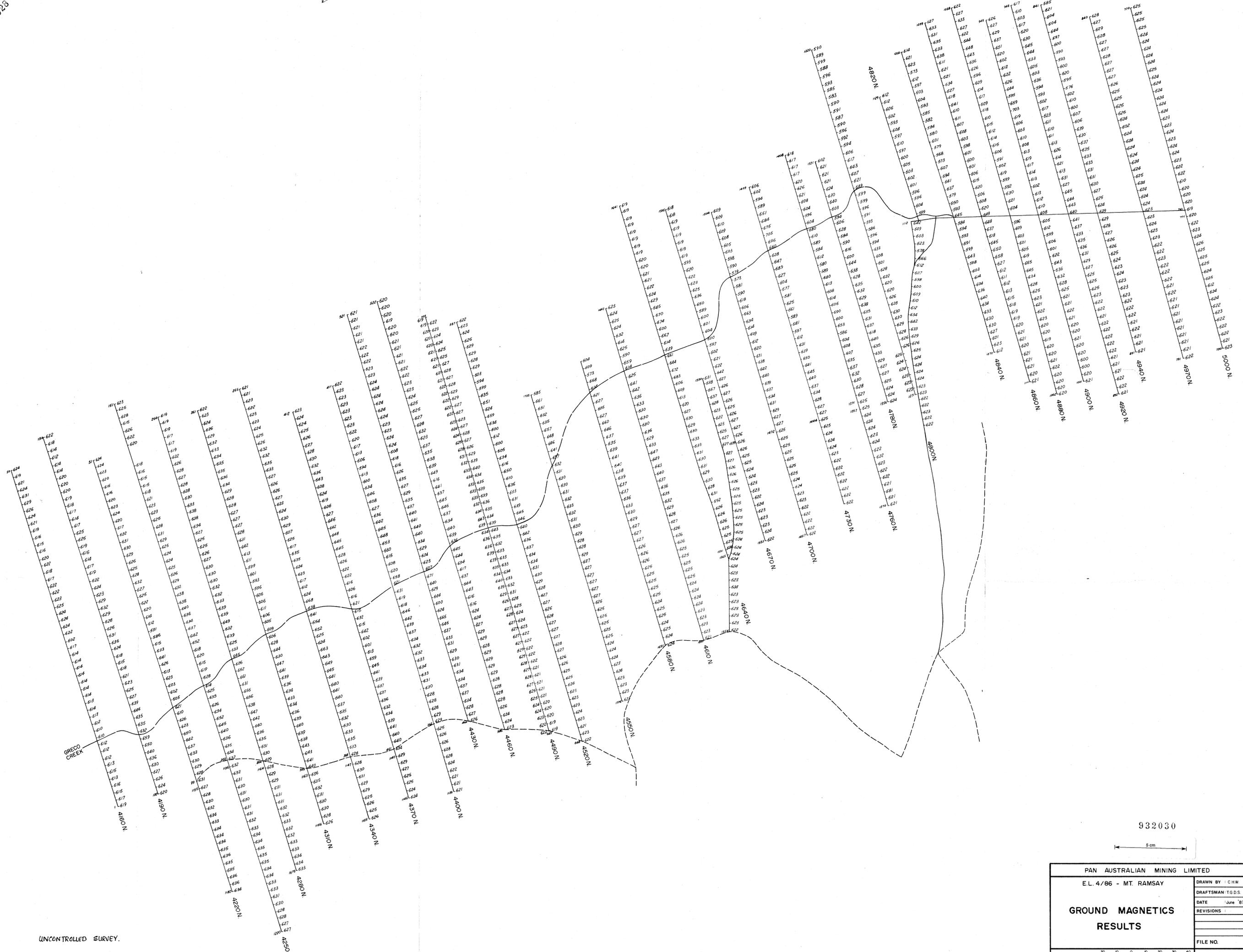
<u>Sample No.</u>	<u>WO₃</u> <u>ppm</u>	<u>Sn</u> <u>ppm</u>	<u>Bi</u> <u>ppm</u>	<u>Mo</u> <u>ppm</u>	<u>Au</u> <u>g/tonne</u>
MRS 050R	- 330	810	22	6	< 0.008
MRS 051R	- 35	285	14	4	< 0.008
MRS 052R	- 530	215	14	8	< 0.008
MRS 053R	- 10	8	4	4	< 0.008
MRS 054R	- 50	< 4	< 4	< 4	< 0.008
MRS 055R	- 65	< 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

026

<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 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

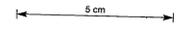
027

<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



UNCONTROLLED SURVEY.

932030



PAN AUSTRALIAN MINING LIMITED	
E.L. 4/86 - MT. RAMSAY	
GROUND MAGNETICS RESULTS	
DRAWN BY : CHW	DATE : June '87
DRAFTSMAN : T.G.D.S.	REVISIONS :
FILE NO.	
SCALE 1:1000	FIG. MRS. 4A

20 0 02,50,12,4

50 0 01,15,22,4

GRECO
CREEK



LEGEND

- X Rock chip (W₃, Sn, Bi)
- Panned concentrates (Au, W₃, Sn, Bi)

UNCONTROLLED SURVEY.

932031

PAN AUSTRALIAN MINING LIMITED	
EL. 4/86 - MT. RAMSAY	
GEOCHEMISTRY	
SCALE 1:1000	FIG. MRS 4/B

DRAWN BY	CHW
DRAFTSMAN	TG.D.S.
DATE	June '87
REVISIONS	
FILE NO.	