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PASMINCO EXPLORATION

TULLAH EL 22/90

RELINQUISHMENT REPORT

October 1990 - October 1995

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EL 22/90
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See covering letter
19/9/95 folio 27

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DATE: September 1995
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BURNIE
September
1995

95-3770

RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 22/90 PASMINCO

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SUMMARY

Exploration carried out by Pasminco on 7 sq km relinquished from Tullah EL 22/90 is detailed in this report.

The licence was granted to Pasminco on 20th October 1990, and as per the statutory requirements has to be reduced on the fifth anniversary of tenure.

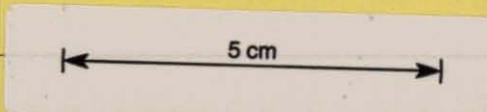
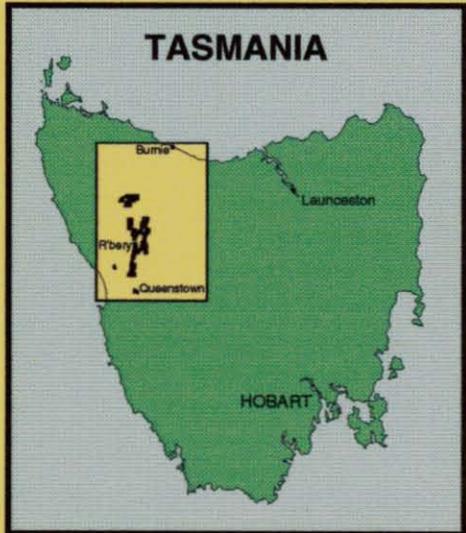
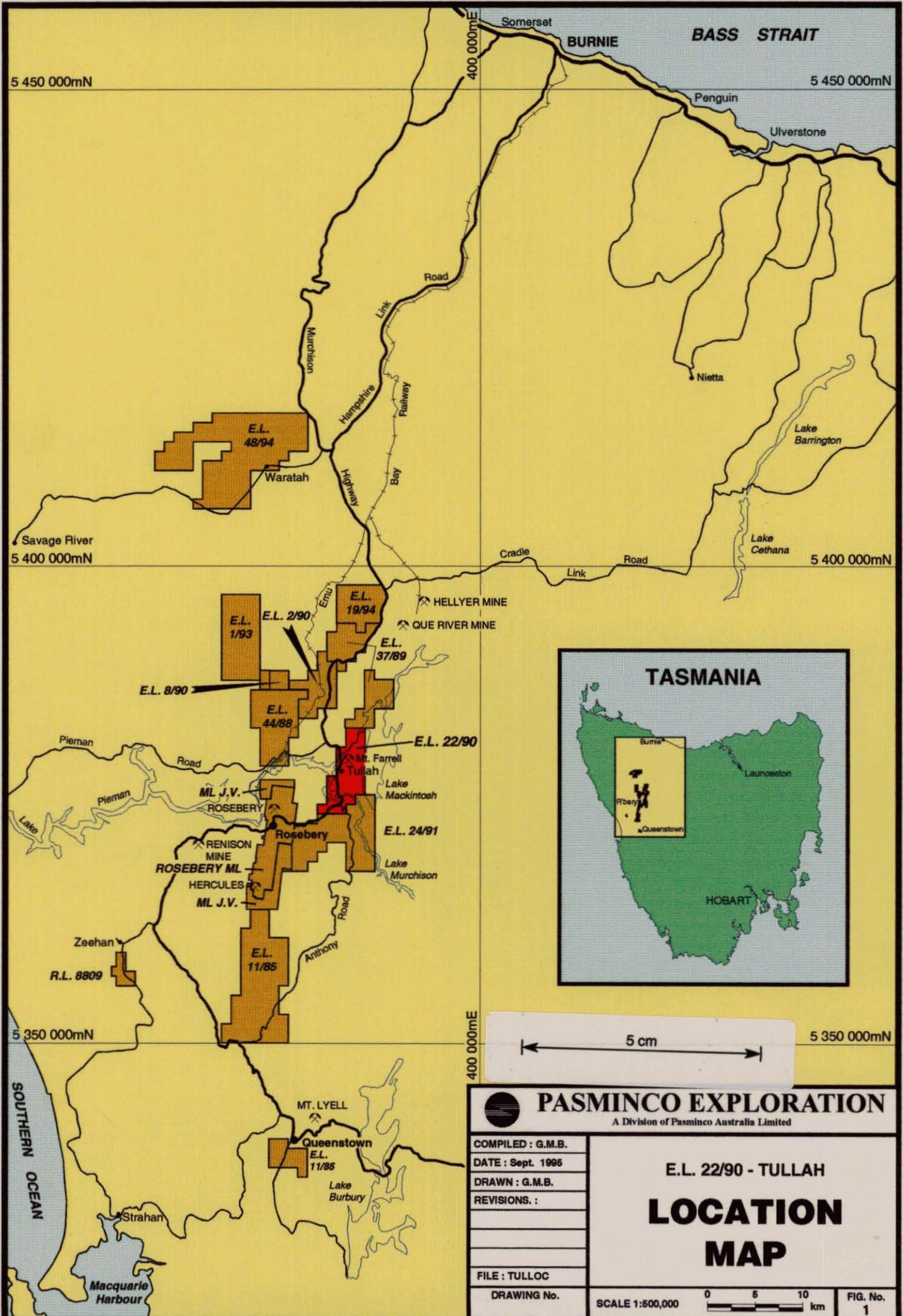
The relinquished ground comprises the Farrell Range east and south-east of Tullah Township. The geology is dominated by Cambro-Ordovician Owen Conglomerate. There is a small area of Cambrian rocks around the Murchison Gorge, comprising rhyodacitic Murchison Volcanics and a tiny exposure of Murchison Granite.

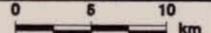
The only known mineralization is a minor copper showing on the volcanic / granite contact in the gorge.

Exploration completed on the relinquished area in the period 1990-95 has included detailed aeromagnetics, gravity, geological traversing, aerial photography (both colour and black & white), photogrammetry and topographic base plan preparation.

The rocks on the ground relinquished from the Tullah EL are considered to have low potential for basemetal deposits, the main targets of Pasminco's exploration programme.

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 PASMINCO EXPLORATION A Division of Pasminco Australia Limited	
COMPILED : G.M.B. DATE : Sept. 1996 DRAWN : G.M.B. REVISIONS : FILE : TULLOC	E.L. 22/90 - TULLAH LOCATION MAP
DRAWING No.	SCALE 1:500,000 
FIG. No. 1	

1 INTRODUCTION

This report details exploration undertaken on the 7 sq km relinquished from Tullah EL 22/90, in the five year period since the licence was granted in October 1990.

The relinquished ground is predominantly Cambro-Ordovician Owen Conglomerate on the Farrell Range east of Tullah Township. Units of the rhyolitic Murchison Volcanics, part of the Cambrian Mt Read Volcanics, are included west of Mt Farrell and in the Murchison Gorge. A small exposure of the Cambrian Murchison Granite occurs in the Murchison Gorge in the SE corner of the relinquished area. See Figure 4.

The main target of Pasminco's exploration programme on the Tullah EL has been volcanogenic auriferous basemetal massive sulphides, with secondary emphasis on remobilised basemetal lode and vein-style deposits (of which there are numerous existing sub-economic examples in the general area).

Pasminco has carried out limited work on the relinquished ground. Aerial photography, photogrammetry and topographic base plan preparation was completed in 1990-91, with some repeat aerial photography and photogrammetry in 1993. The area was covered by detailed aeromagnetics in 1991, with some out-of-specification zones along the Farrell Range and west of Mt Farrell re-flown in 1993. A gravity survey was undertaken in 1992-93.

Although the Murchison Gorge section and parts of the Farrell Range have been traversed and examined by Pasminco geologists, no formal geological mapping or rock sampling has been completed within the relinquished area.

There appears to have been minimal exploration of the relinquished ground prior to Pasminco. The only mineralization known is The Osborne Copper Blocks - a minor copper showing in the Murchison Gorge. This occurrence was not relocated or examined by Pasminco.

The relinquished area comprises extremely rugged terrain (the Farrell Range reaches elevations over 700m, while the base of the Murchison Gorge is at 160m). The only road access is the Murchison Dam road in the floor of the gorge. All other access is on foot along existing walking tracks and gridlines.

2 TENURE

Tullah EL 22/90, covering 27 sq km, was applied for in August 1990 by Peko Exploration Limited, a subsidiary of North Broken Hill Limited. In September 1990 the EL application was transferred to Pasminco Australia Limited (of which NBH then owned 45%). The EL was granted on 20th October 1990.

The original granted area was 22 sq km, with 5 sq km excluded from the EL including 3.4 sq km of land vested in the HEC and 1.35 sq km in the Farrell Mine Leases held by Pasminco Mining Rosebery. During the 1994-95 year the Farrell Mine Leases were relinquished and the ground incorporated into EL 22/90, giving the licence a granted area of 24 sq km.

On 20th October 1995, the Tullah EL will be reduced as required by regulations governing Exploration Licences. An area totalling 7 sq km and comprising 6 sq km of the granted area, is to be relinquished and the EL reduced to a granted area of 18 sq km.

The relinquished area is Crown Land except for 1 sq km of Lake Mackintosh and Lake Rosebery (vested in the HEC). The details are shown in Figure 2.

A formal description of the relinquished area is as follows:

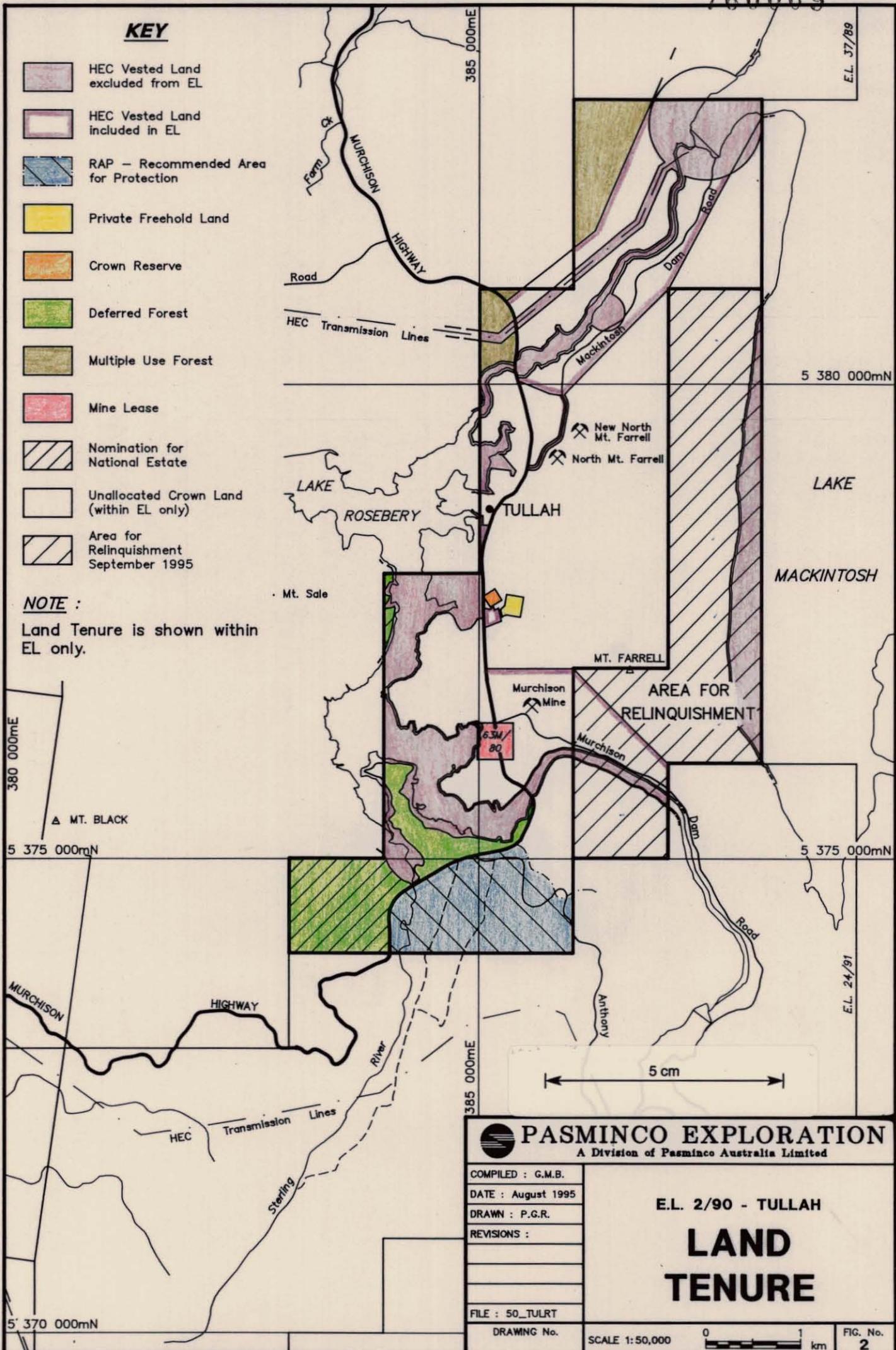
Comprising 7 sq km, commencing at the NW corner of the area at 5 381 000mN / 387 000mE, thence AMG east to 388 000mE, thence AMG south to 5 376 000mN, thence AMG west to 387 000mE, thence AMG south to 5 375 000mN, thence AMG west to 386 000mE, thence AMG north to 5 377 000mN, thence AMG east to 387 000mE, thence AMG north back to the point of commencement.

KEY

-  HEC Vested Land excluded from EL
-  HEC Vested Land included in EL
-  RAP - Recommended Area for Protection
-  Private Freehold Land
-  Crown Reserve
-  Deferred Forest
-  Multiple Use Forest
-  Mine Lease
-  Nomination for National Estate
-  Unallocated Crown Land (within EL only)
-  Area for Relinquishment September 1995

NOTE :

Land Tenure is shown within EL only.

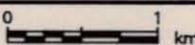


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E.L. 2/90 - TULLAH

LAND TENURE

DRAWING No. SCALE 1:50,000  FIG. No. 2

3 GEOLOGY

The Tullah licence covers units of the Cambrian Mt Read Volcanics extending either side of the Henty Fault. See Figures 3 & 4.

The predominant rock type on the relinquished ground is Owen Conglomerate - Late Cambrian to Ordovician quartzite conglomerate and quartzose sandstone, of characteristic pink colour due to slight hematitic content. The conglomerate is poorly sorted and poorly bedded, but the overlying sandstone is generally well bedded and sorted.

In places on the Farrell Range there is considerable structural complexity in the Owen Conglomerate, with folding and WNW trending cross-faulting. This is particularly so in the area NE of the Farrell Mines. Overall, facing in the Owen is to the east.

The unconformable contact between the Owen and the underlying Murchison Volcanics is generally faulted. However, Lorrigan (1991), mapping north of Tullah Township, saw evidence of a transitional contact in places between the Owen and the Farrell Slates - the unit overlying the Murchison Volcanics.

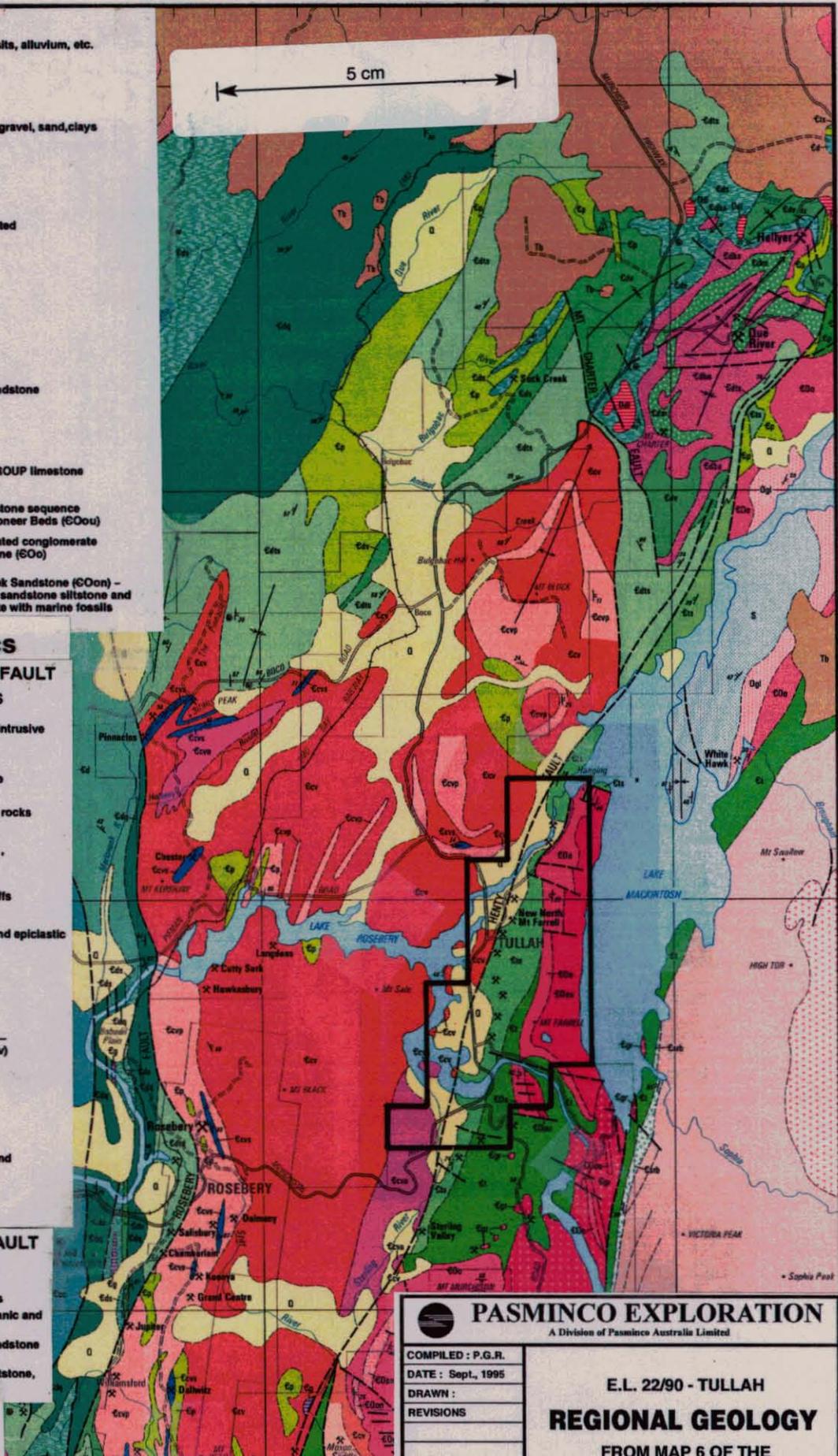
The Murchison Volcanics are a rhyodacitic complex dominated by lavas and intrusives, with lesser volcanoclastics (including epiclastics) and tuffaceous sediment lenses. Chemically, the volcanics are related to the Cambrian Murchison Granite which intrudes them.

Patches of strong hydrothermal alteration, commonly silica-chlorite-magnetite/hematite-pyrite \pm chalcopyrite, occur on the volcanic/granite contact in the Murchison Gorge. One such occurrence, The Osborne Copper Blocks, comprising disseminated and vein pyrite-chalcopyrite in silicified Murchison Volcanics (Ward 1908), just falls within the relinquished area according to Government maps (Corbett & McNeill, 1986). Only minor trenching was apparently done here by the old prospectors.

No other mineralization is known on the relinquished ground.

The area is underlain by the broad NE-trending ridge of Devonian granite, extending from the Heemskirk Granite to Granite Tor.

QUATERNARY	Q	Glacial deposits, alluvium, etc.
TERTIARY	Tb	Basalt
	Ts	Sediments - gravel, sand, clays
JURASSIC	Jd	Dolerite
PERMIAN - CARBONIFEROUS	P	Undifferentiated
DEVONIAN	Dd	Dolerite
	Dg	Granite
DEVONIAN - SILURIAN	Ds	Bell Shale
	Df	Florence Sandstone
	S	Silurian
ORDOVICIAN	Ogl	GORDON GROUP limestone
EARLY ORDOVICIAN - LATE CAMBRIAN	EOu	Upper sandstone sequence including Pioneer Beds (EOou)
	EOc	Undifferentiated conglomerate and sandstone (EOc)
	EOm	Newton Creek Sandstone (EOm) - interbedded sandstone siltstone and conglomerate with marine fossils



**MT. READ VOLCANICS
NORTH AND WEST OF HENTY FAULT
DUNDAS GROUP AND CORRELATES**

Ep	Quartz-feldspar porphyry, mostly intrusive
Eds	Mostly sedimentary rocks - greywacke, siltstone, conglomerate
Edt	Interbedded tuffs and sedimentary rocks
Edq	Quartzwacke-slate-siltstone units, e.g. Stitt Quartzite
Edv	Mostly felsic volcanics - mainly tuffs
Edm	Mixed felsic and mafic volcanics and epiclastic breccias, Gue-Hellyer area
Eda	Basaltic to andesitic volcanics

CENTRAL VOLCANIC COMPLEX

Ccv	Mainly feldspar-phyric volcanics - dacite, rhyolite, minor andesite (Ccv)
Cep	Felsic porphyry, mainly intrusive
Ccp	Mainly pyroclastic rocks
Ccs	Sedimentary rocks, mainly shale and sandstone
Cca	Andesitic volcanics

**SOUTH AND EAST OF HENTY FAULT
TYNDALL GROUP AND CORRELATES**

Cts	Mainly sed. rocks, incl Farrell Slatess
Ctv	Mainly quartz-feldspar-phyric volcanic and volcanoclastic rocks (Ct)
Ctc	Mainly volcanoclastic congl. and sandstone
Ctb	Sticht Range Beds - sandstone, siltstone, siliciclastic conglomerate

CAMBRIAN INTRUSIVE ROCKS

Cg	Granite
Cp	Felsic porphyry
Cgbr	Gabbro
Cum	Ultramafic rocks & serpentinite

PRECAMBRIAN

Pq	Quartzite-slate sequences - correlates of Oonah Formation
Pm	Metamorphosed sequences of Tyennan Region. Major lithological boundary trends shown

PASMINCO EXPLORATION
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COMPILED : P.G.R.	<p>E.L. 22/90 - TULLAH</p> <p>REGIONAL GEOLOGY</p> <p>FROM MAP 6 OF THE MT. READ VOLCANICS PROJECT</p>	
DATE : Sept., 1995		
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REVISIONS		
FILE :		
DRAWING No.	SCALE 0 2 4 km	FIG. No. 3

ACKNOWLEDGMENT
Mt. Read Volcanics Project adopted from Map 6 - Geological Compilation Map of the Mt. Read Volcanics & Associated Rocks, from Hellyer to South Darwin Peak.
K.D. Corbett B Sc (HON) PhD and A.W. McNeill B Sc (HON) 1988.

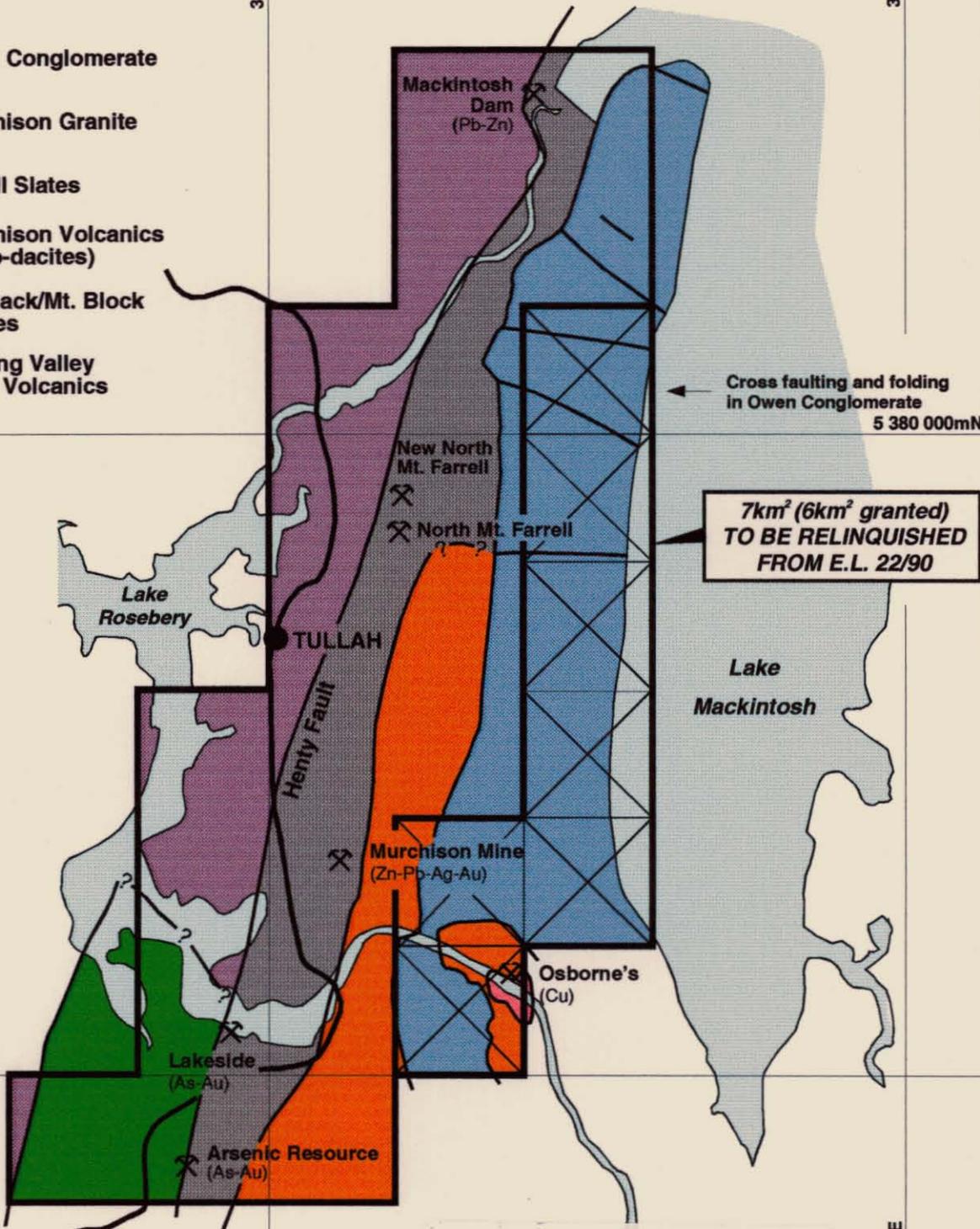
LEGEND

- Owen Conglomerate
- Murchison Granite
- Farrell Slates
- Murchison Volcanics (Rhyo-dacites)
- Mt. Black/Mt. Block Dacites
- Sterling Valley Mafic Volcanics

5 380 000mN

385 000mE

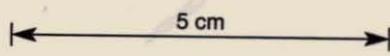
390 000mE



5 375 000mN

385 000mE

390 000mE



Sterling Valley Mine (Pb-Zn-Ag-Au)



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DATE : Sept., 1995

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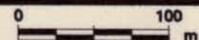


FIG. No. 4

E.L. 22/90 - TULLAH

SIMPLIFIED GEOLOGY

4 EXPLORATION PHILOSOPHY

The aim of Pasmaenco's exploration effort on Tullah EL has been to locate auriferous basemetal massive sulphides within units of the Mt Read Volcanics.

The model for this type of deposit is based on the Company's Rosebery orebody, 5km to the SW of the EL.

A secondary target has been bodies of lode or vein-style basemetal sulphides, similar to the Farrell Lodes and many others in the Tullah area. The pre-mining resource at Farrell was over 900,000t @ 12.5% Pb, 2.6% Zn and 410g/t Ag (Purvis, 1994).

The rocks on the area relinquished from the Tullah EL are considered to have low potential for basemetal deposits.

Pasmaenco has tried to move away from the reliance on large-scale ground-based geochemical and geophysical surveys of past explorers in the Tullah area. It has been selective in its choice of targets and has committed to drilling early in the testing process. Any large-scale data collection has centred around aeromagnetism, gravity, geological mapping and rock sample litho-geochemistry. To some degree this approach has been possible because of the extensive work by previous explorers.

5 EXPLORATION COMPLETED 1990-95

5.1 Introduction

In chronological order, the following is an outline of the work completed on the relinquished area by Pasminco:

- 1 Aerial photography, photogrammetry and base plan preparation (1990-91).
- 2 High resolution aeromagnetics (1991).
- 3 Semi-regional gravity survey (1992-93).
- 4 In-fill aeromagnetics (1993).
- 5 Partial repeat aerial photography and photogrammetry (1993).

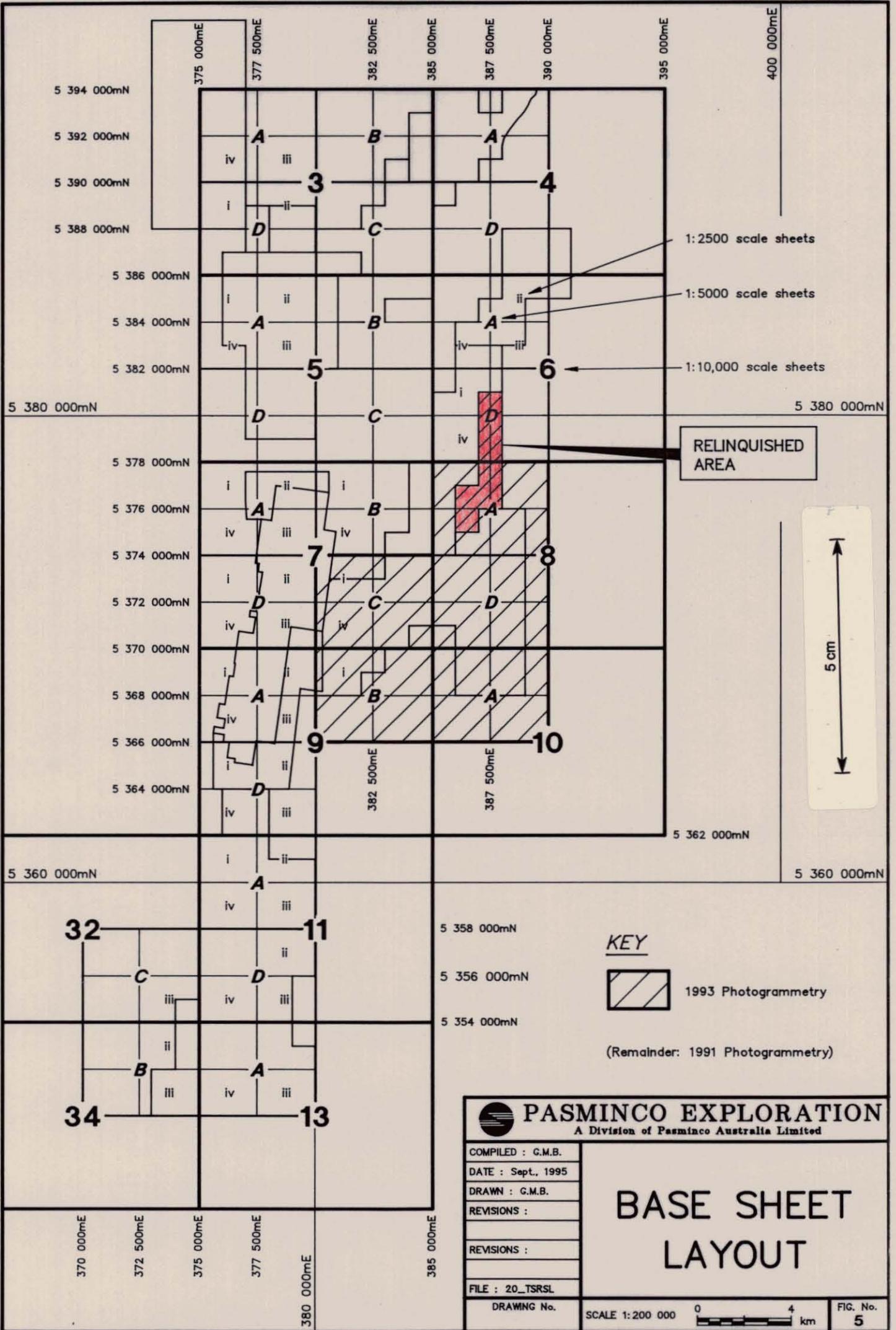
5.2 Aerial Photography & Base Plan Preparation (1990-91 & 1993)

In December 1990, high level black and white aerial photography was flown over the Tullah EL. These photographs were used by the photogrammetry section of the HEC to produce computer-generated detailed topographic base plans at scales of 1: 2 500, 1: 5 000 and 1: 10 000. The photogrammetric data is stored digitally on tape, enabling plans to be produced at any scale.

In January 1991, colour aerial photography at 1: 10 000 scale was also run over the EL.

In March 1993 the HEC carried out new aerial photography over Pasminco's Sterling River EL 24/91, which lies south of the Tullah EL. The photography, in colour at 1: 10 000 scale, and black & white at 1: 25 000 scale, covered much of the relinquished area south of approximately 5 379 000mN AMG. The photogrammetry over the

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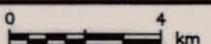


RELINQUISHED AREA

KEY

 1993 Photogrammetry

(Remainder: 1991 Photogrammetry)

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COMPILED : G.M.B. DATE : Sept, 1995 DRAWN : G.M.B. REVISIONS : REVISIONS : FILE : 20_TSRSL	<h1>BASE SHEET LAYOUT</h1>
DRAWING No.	SCALE 1:200 000 
	FIG. No. 5

southern half of the relinquished area was re-done at this time and new complete base plans produced.

The base plan layout is shown in Figure 5.

5.3 Aeromagnetic Surveys (1991 & 1993)

Helicopter-borne high-resolution aeromagnetics and radiometrics was flown over the entire Tullah EL in February 1991. The survey was carried out by Geo Instruments using a G833 helium vapour magnetometer in a towed bird and a Geometrics GR800 spectrometer.

Line spacing was nominally 100m E-W and terrain clearance nominally 80m. Sample interval was <10m. Tracking was visual, using topographic base maps and colour photographs, supported by continuous video camera recording. Approximately 550 line km was flown.

The rugged terrain created difficulties in adhering to the ground clearance specifications. In the vicinity of the Farrell Range clearances regularly exceeded 100m, with large areas +200m. The problem was compounded by the type of corrections applied to the data by the contractor.

The shortcomings were noted by Leaman (1991) who interpreted the magnetics, and the data was reprocessed and corrected by Dr R. Richardson of the Tasmanian Division of Mines.

Data from the 1991 survey over the relinquished area of EL 22/90 is presented in Figures 8-11, comprising Magnetic Intensity Contours and Flight Paths.

In early March 1993 the worst out-of specification areas of the 1991 survey (generally those with +200m ground clearance), were reflown. These included the eastern slopes of the Farrell Range and to the west of Mt Farrell.

The re-survey was carried out by Geoterrex using a Scintrex cesium vapour bird-mounted magnetometer and a Nuclear Data 256 channel spectrometer. Navigation was by a Sercel UHF DGPS system with flight path recovery assisted by continuous video camera recording.

The specifications were the same as for the first survey except the magnetic sampling interval was halved to 0.1sec (<5m), and the area on the eastern side of the Farrell Range was flown with N-S lines instead of E-W. A total of 168 line km were flown. Unlike the first survey the data was of very high quality with the survey specifications generally being met.

Results from the new survey over the relinquished area, some incorporating data from the 1991 survey, are shown in Figures 6 and 12-19.

Leaman (1991) made the following comments about the rocks on the relinquished ground in his preliminary magnetic interpretation:

- 1 The Owen Conglomerate cover on the Farrell Range is an irregular, faulted and folded slab. The deformation is most marked at the northern end of the relinquished area.
- 2 The Owen lies directly on both Murchison Volcanics and Murchison Granite.
- 3 The strongest magnetic response is in the Murchison Gorge area and is considered due to the presence of Murchison Granite.

5.4 Gravity Survey (1992-93)

Between November 1992 and January 1993 a semi-regional gravity survey was carried out over both the Tullah and Sterling River EL's. Nominal survey station spacing was 500m x 200m.

Within the relinquished area, most stations were accessed from existing walking tracks. Parts of the rugged Farrell Range were reached by helicopter or by boat from Lake Mackintosh. Stations were also measured along the Murchison Dam road.

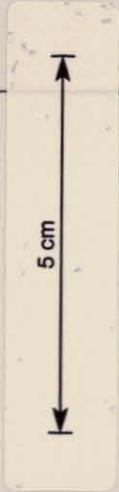
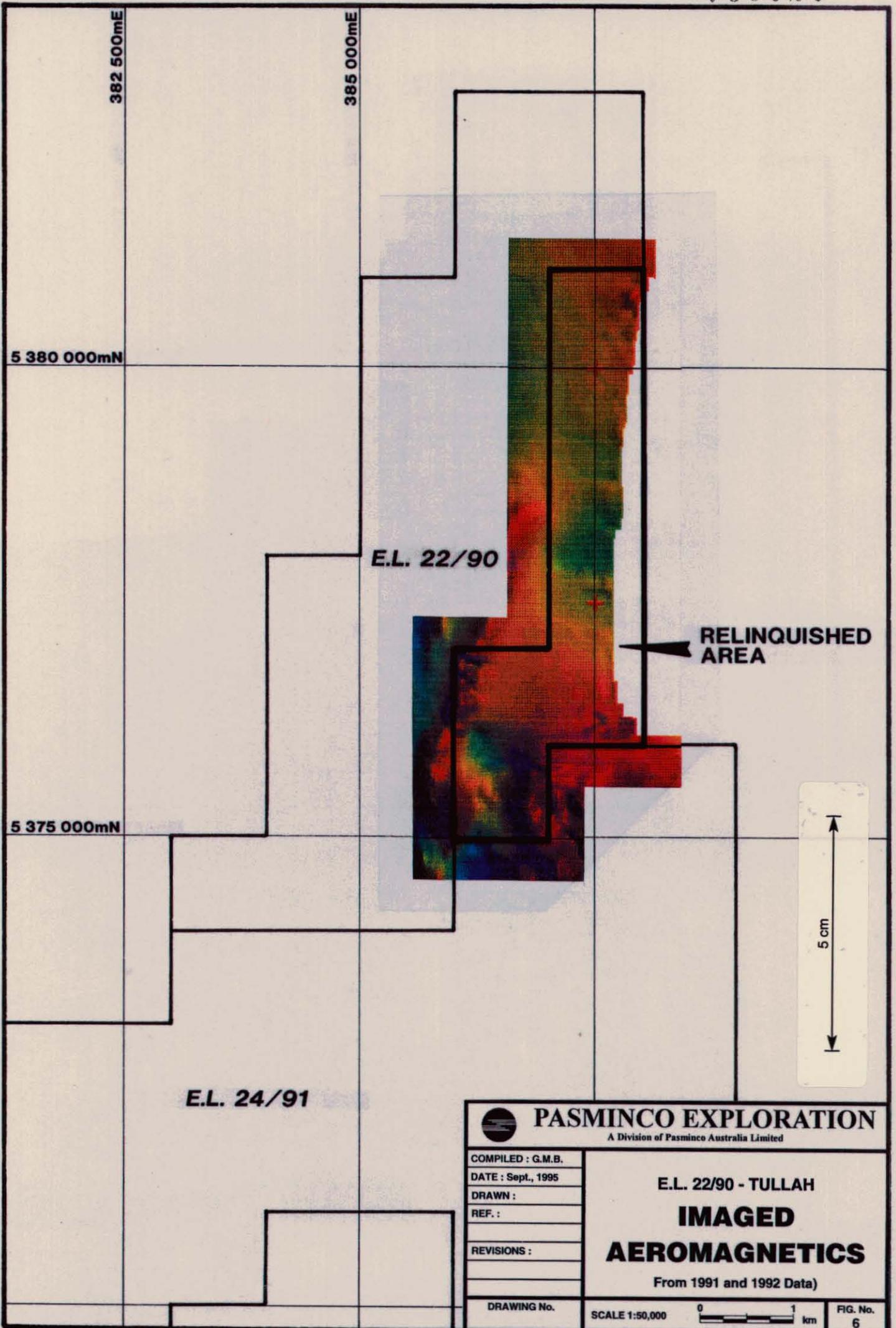
The survey was undertaken by a two-man team from the Department of Mines, led by Dr R. Richardson. Richardson's operations report appears in Appendix 1.

Survey control was provided by a range of methods including GPS and theodolite. Extensive use was made of existing HEC and Pasminco survey points. Most stations in inaccessible terrain were levelled with a barometer to an accuracy of $\pm 3\text{m}$.

Forty stations were measured within the relinquished area. These are shown in Figure 20, along with their raw bouguer values. Contoured residual bouguer values are shown in Figure 7.

Leaman (1993 & 1994), carried out detailed integrated interpretations of the gravity and updated aeromagnetic data. The following of his findings pertain to the relinquished ground:

- 1 Some of the most negative portions of the gravity field in the Tullah area are related to blocks of Owen Conglomerate on the Farrell Range.
- 2 This suggests there are substantial volumes of conglomerate in local wedge-shaped fault troughs. South of Mt Farrell the Owen is considered to reach a maximum thickness of about 1800m.
- 3 The roof of the underlying Devonian Granite is irregular and deeper beneath the Farrell Range than either to the east or west.
- 4 Buried slivers of Murchison Volcanics and Murchison Granite lie between the Devonian Granite and the Owen Conglomerate outcropping on the Range.



E.L. 24/91

E.L. 22/90

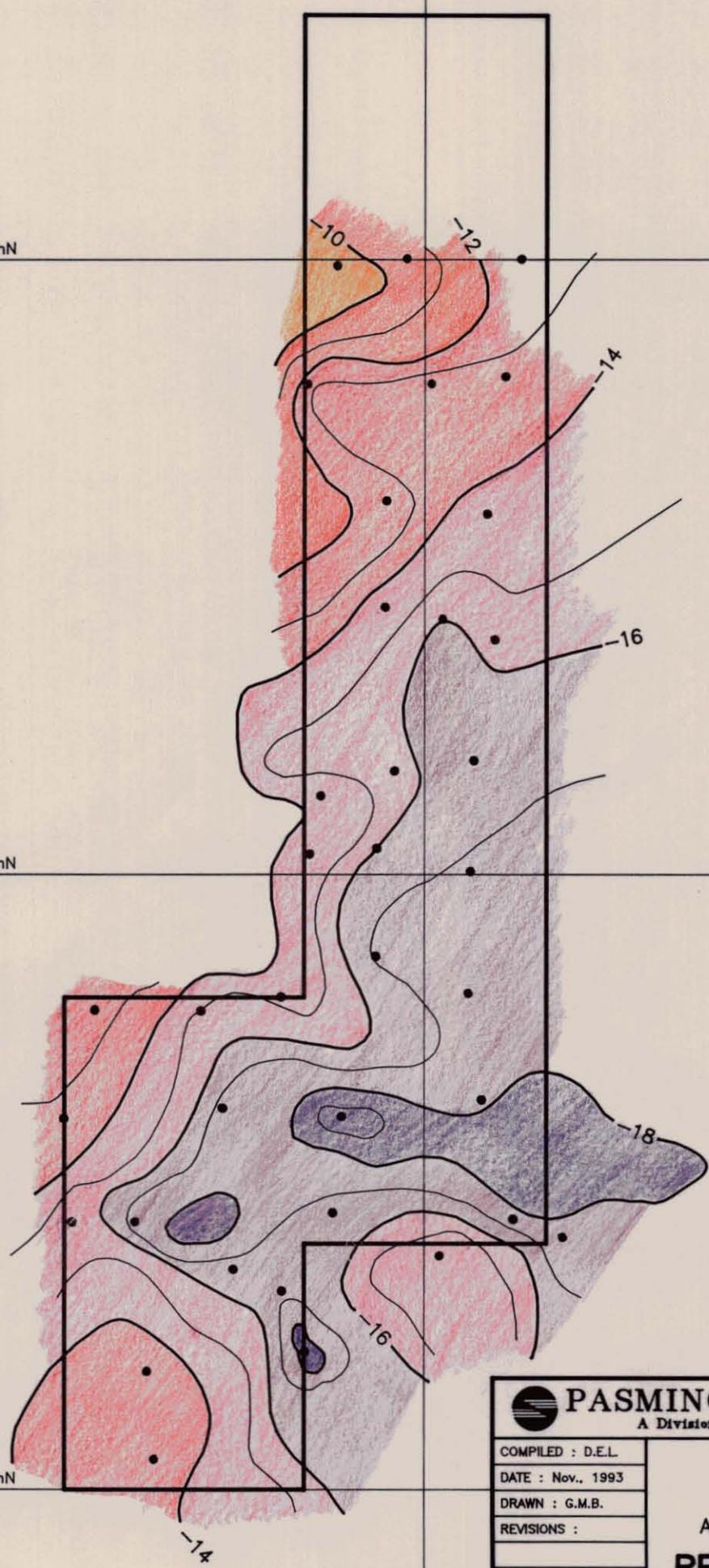
RELINQUISHED AREA

 PASMINCO EXPLORATION <small>A Division of Pasma Australia Limited</small>	
COMPILED : G.M.B. DATE : Sept., 1995 DRAWN : REF. : REVISIONS :	E.L. 22/90 - TULLAH IMAGED AEROMAGNETICS From 1991 and 1992 Data)
DRAWING No.	SCALE 1:50,000  km
	FIG. No. 6

5 380 000mN

5 377 500mN

5 375 000mN

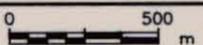


KEY

• Gravity Station

5 cm

387 500mE

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COMPILED : D.E.L.	E.L. 22/90 – TULLAH AREA FOR RELINQUISHMENT RESIDUAL BOUGUER ANOMALY
DATE : Nov., 1993	
DRAWN : G.M.B.	
REVISIONS :	
FILE : 25_TRRBA	
DRAWING No.	SCALE 1:25,000 
	FIG. No. 7

5.5 Environmental Disturbance and Rehabilitation

There have been no exploration activities by Pasminco that have led to environmental disturbance within the relinquished area.

Groundwork either utilised existing access or involved traverses across terrain and vegetation that did not require track cutting.

6 CONCLUSIONS

- 1 The rocks on the relinquished area, predominantly Cambro-Ordovician Owen Conglomerate, have low potential for basemetal sulphide deposits.

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15 KEYWORDS & LOCALITY**KEYWORDS**

MT READ VOLCANICS, FELSIC VOLCANICS, ZINC, LEAD, COPPER,
VOLCANOGENIC, GRANITE, MAGNETICS, GRAVITY, DATA REVIEW.

LOCATION

BURNIE SK55-3 & QUEENSTOWN SK55-5:
TULLAH, MT FARRELL, MURCHISON GORGE.

APPENDIX 1

Operations Report - Gravity Survey of Tullah and Sterling River EL's

*Operations Report — Gravity
survey of Tullah and Sterling
River exploration licences for
Pasminco Exploration*



Tasmania Department of State Development & Resources

Division of Mines



Division of Mines

Operations Report — Gravity survey of Tullah and Sterling River exploration licences for Pasmaenco Exploration

by R.G. Richardson, B.Sc. (Hons), Ph. D.

Abstract

At the request of Pasmaenco Exploration the Department of Mines acquired gravity data at 537 points in the areas of interest. Of these most were levelled to an accuracy of 3 m or better using a barometer; the remainder were either levelled using an electronic hydrostatic level or conventional surveying. The survey was conducted from 16 November 1992 to 29 January 1993 inclusive, and involved 30.5 days of meter operation. Access was by boat, foot, helicopter and vehicle.

BASE STATIONS

Only the Tullah base station of Richardson and Dix (1986) was used. This is station number 8051.9902 and has an observed gravity value of 980274.89 mgal. The height is 168.399 metres. Base readings were normally made twice per day.

GRAVITY METERS

Only Worden meter number 913, with a constant of 0.09558 mgal/scale division and a reading accuracy of better than 0.1 mgal, was used.

DATA PROCESSING

All data were corrected for linear drift between base readings. The gravity data were integrated with the height data and reduced to Bouguer Anomalies using the 1930 International Gravity Formula and a Bouguer Density of 2.67 t/m^3 . Gravity stations acquired prior to 31 December 1992 have station numbers of the form 9251.NNNN whilst stations acquired after this have station numbers of the form 9351.NNNN. Terrain corrections were computed to a radius of 21 km using a density of 2.67 t/m^3 . The data were then combined with the pre-existing data that had been corrected and reduced in the same manner.

DISCUSSION

(i) Mt Black co-ordinates

Previous gravity surveys on Mt Black have located errors in the grid co-ordinates flagged on cut lines. For this survey it was proposed that Billiton EM loop 12, with eastern and western edges flagged at 383 400 mE and 383 000 mE respectively, be read. Previous work by the writer showed that the flagged co-ordinates in this area were approximately 150 m greater than the true co-ordinates (e.g. 383 000 mE flagged is really 382 850 mE) although others were sceptical. This error has been confirmed, as the point flagged as 383 000 mE, 375 000 mN should, in theory, lie part of the way up a steep slope. In reality it lies near the edge of a large flat area with an easting of 382 860 mE.

(ii) Helicopter work

Access to a number of points on the southern end of Mt Farrell, northern end of Mt Farrell, and east of Lake Mackintosh was not possible on foot and a helicopter was used. Flight time was 2 h 8 m (Queenstown to Queenstown) with 1 h 26 m spent in the area of interest. Eleven gravity readings and four barometer checks (a total of 15 landings) were made in this time.

(iii) GPS

With the use of a base station, GPS has the potential to yield positions with an accuracy of about one metre at Tullah using a base in Launceston. There is a time penalty, as the Magellan system requires about 20 minutes at each site to achieve this accuracy. GPS was used to provide height control where no other control was available, for example on Mt Murchison.

(iv) Barometric heighting

Accuracy of heights determined using this method was enhanced by:

- (a) determining air temperatures accurately when working in areas of high relief. This was done by taking pressure measurements at BM5870 and BM5775 on the Anthony Road (vertical interval 193 metres) and calculating the air temperature.

A comparison made between barometer measurements (out and back) and electronic hydrostatic level measurements on 10 December 1992 was:

Station No.	Barometric height	Hydrostatic level height
6681	389(.0)	388.9
6682	434(.5)	434.0
6683	520(.4)	520.9
6684	570(.2)	571.5

The reference point was at 377 metres

- (b) using the electronic hydrostatic level in areas of extreme relief or where pressure changes due to wind and topography would be expected. Barometric heighting would then be used.
- (c) having a maximum time of 20 minutes between barometer readings.
- (d) reading the barometer "out and back" to ensure smaller time, height and pressure intervals.
- (e) closing onto spot heights or survey marks when possible. With the exception of the extreme height range encountered on Mt Murchison (600+ metres) closure errors using out and back techniques were less than 3 metres.

Following some surveying of detailed traverses in the Tullah area a number of pre-existing stations were also surveyed. A comparison of the barometric and surveyed heights is:

Station No.	Barometric Height	Surveyed Height
6525	231	230.06
6527	233	231.34
6531	180	180.47
6533	175	174.81
6537	201	204.58
6548	341	339.01
6552	469	467.30
6625	590	587.16
6109	177	178.11

DATA SUPPLIED

- (i) Floppy disc of reduced data. Columns are station number, easting, northing, elevation, observed gravity, theoretical gravity, terrain correction and Bouguer Anomaly. All data collected for Pasmenco Exploration in the 1992/93 summer season are included (Tullah 287 stations, Sterling River 250 stations).
- (ii) A listing of the contents of the floppy disc.
- (iii) One set of handwritten field maps showing station positions.

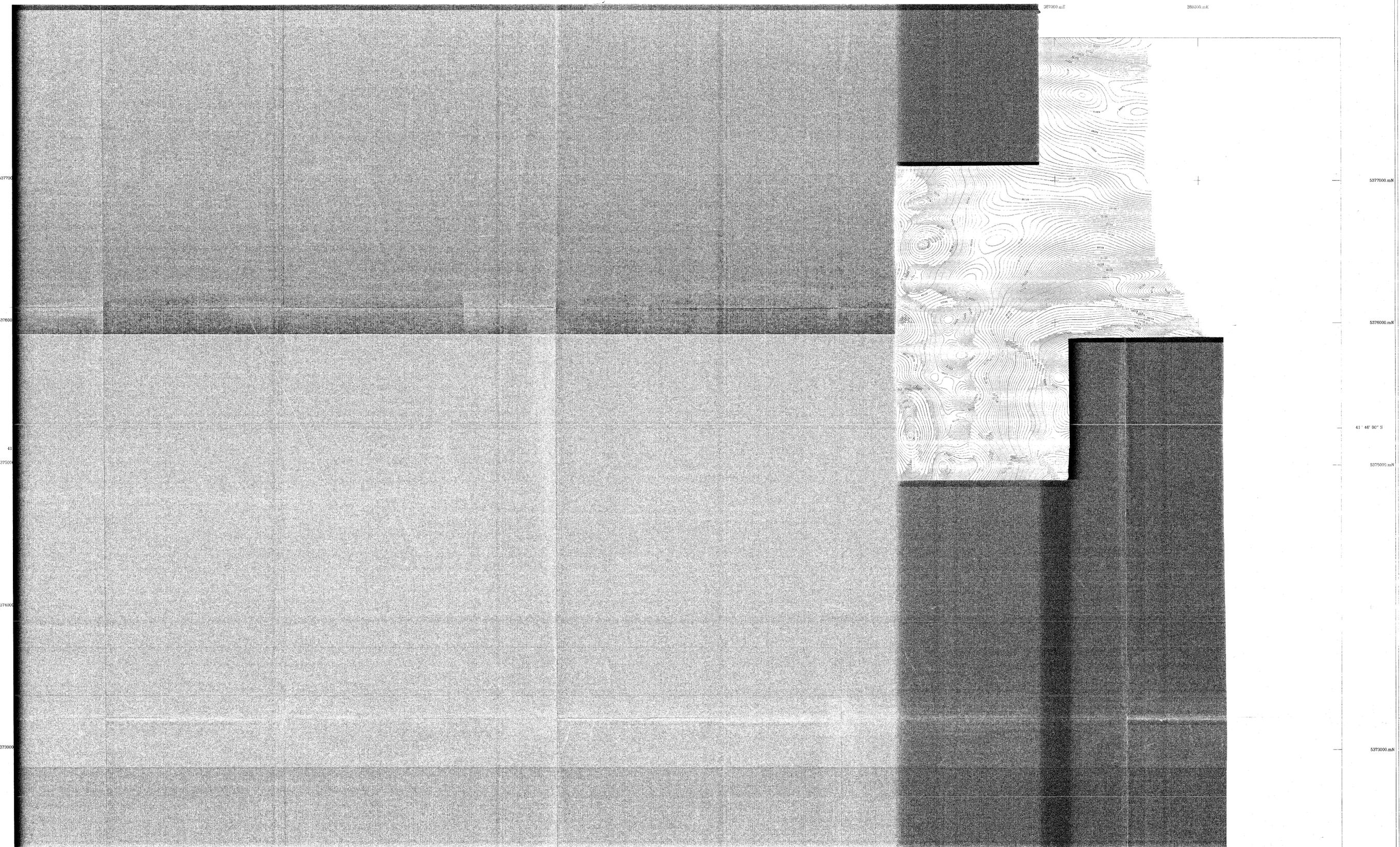
REFERENCE

RICHARDSON, R. G.; DIX, M. J. 1986. West Coast gravity tie stations (Revision 1). *Unpublished Report Department of Mines Tasmania* 1986/79.

R.G. Richardson

SUPERVISING GEOPHYSICIST

February 1993



381000.mE 382000.mE 383000.mE 384000.mE 385000.mE 386000.mE 387000.mE 388000.mE

760000
5 cm

95-3770
RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 2250 PASMINGO

AIRBORNE SURVEY EQUIPMENT

Aircraft
Magnetometer
Magnetometer Resolution
Magnetometer Sample Interval
Data Acquisition
Data Recording
Spectrometer
Crystal Size
Spectrometer Sample Interval
Flight Path Record
Flight Path Recovery

Aerospinale Ecureuil "Squirrel" VH-18K
Geometrics G833 Helium Vapour
0.01 nT
0.2 seconds (approx 7 metres)
Geometrics Model 2000
1.2MB floppy disk
Geometrics G8000
16.4 litres in downward array
1.0 Seconds (approx 35 metres)
VES Colour Video System
Visually onto aerial photographs

AIRBORNE SURVEY SPECIFICATIONS

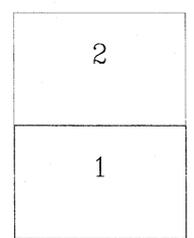
Flight Line Direction
Flight Line Separation
The Line Direction
The Line Separation
Terrain Clearance
Flown by GEONSTRUMENTS PTY. LTD.
Geoinstruments job number
Survey flown
Processed by

090 - 270.00 degrees
100 metres
0 - 180 degrees
2000 metres
80 metres (MTL)
9:01
February 1991
Kevron Geophysics

RESIDUAL MAGNETIC CONTOURS

Diurnal variations removed
IGRF(1985) updated to 1991.3 removed
Average survey base station value and a
constant of 40000 nT added to datum
Grid mesh 25 x 25 metres
Contour Interval 2, 10, 50, 250 nT

Sheet Index



SCALE 1:10,000
0 0.25 0.5 0.75 1
kilometres
AUSTRALIAN MAP GRID ZONE 56

PASMINGO EXPLORATION	
A Division of Pasmingo Australia Limited	
EL22/90 - Tullah	
Magnetic Intensity Contours	
DATE : Jun 1991	REPORT :
DRAWN : Kevron Geophysics	PLAN NO. Figure 8
SCALE 1: 10000	

381000 mE 382000 mE 383000 mE 384000 mE 385000 mE 386000 mE 387000 mE 388000 mE
 145° 34' 00" E 145° 36' 00" E 145° 38' 00" E

5382000 mN

41° 42' 00" S

5382000 mN

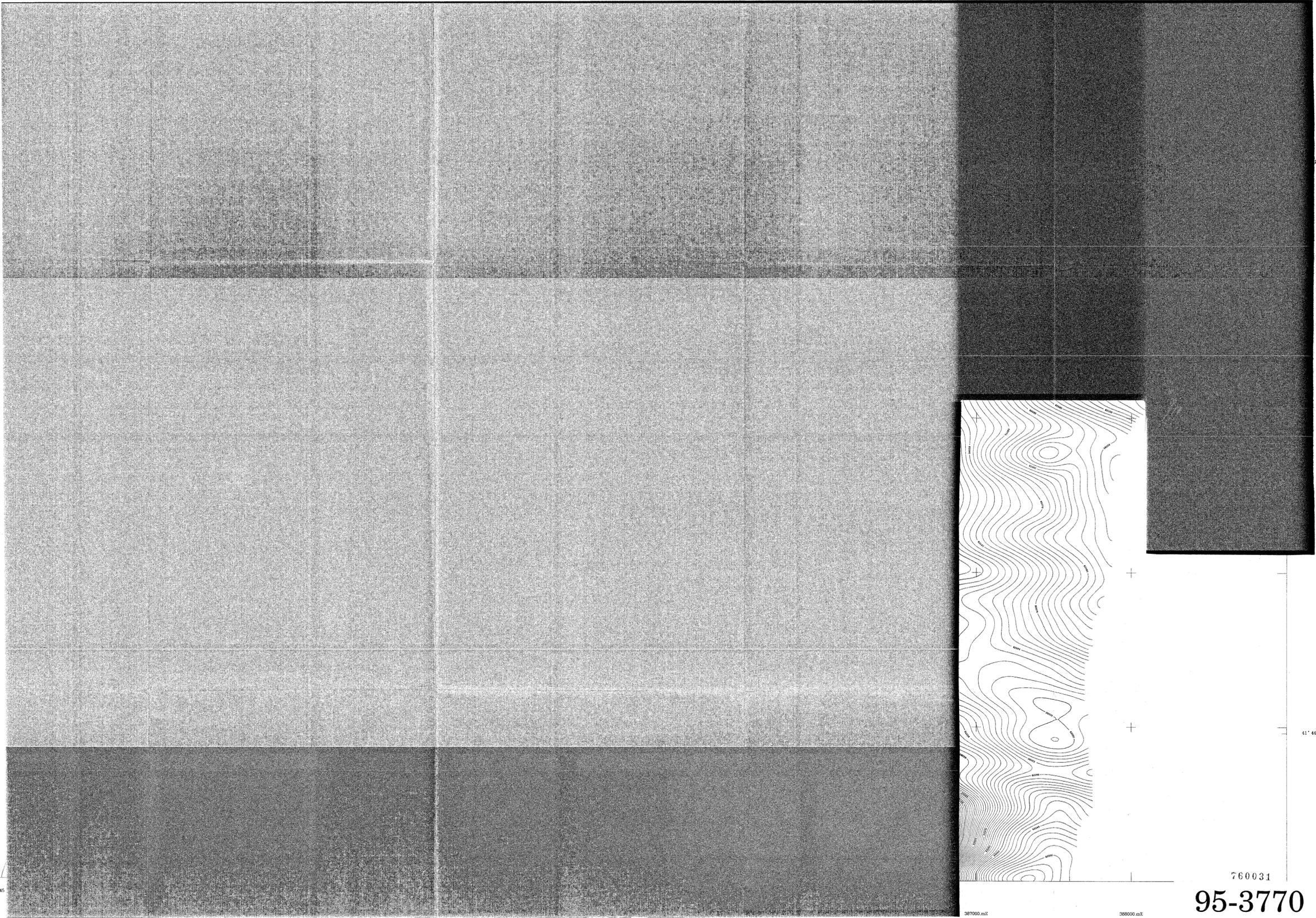
5381000 mN

5380000 mN

5379000 mN

41° 44' 00" S

145



760031

95-3770

RELINQUISHMENT REPORT 1990-1995
 PURVIS J G TULLAH EL 2290 PASMINGO

AIRBORNE SURVEY EQUIPMENT

Aircraft
 Magnetometer
 Magnetometer Resolution
 Magnetometer Sample Interval
 Data Acquisition
 Data Recording
 Spectrometer
 Spectrometer Sample Interval
 Flight Path Record
 Flight Path Recovery

Aerospatiale Ecureuil "Squirrel" VH-HRR
 Geometrics G833 Helium Vapour
 0.01 nT
 0.2 seconds (approx 7 metres)
 Geostatics Model 2000
 1.2Mb floppy disk
 Geometrics G8500
 16.4 litres in downward array
 1.0 Seconds (approx 36 metres)
 VIS Colour Video System
 Visually onto aerial photographs

AIRBORNE SURVEY SPECIFICATIONS

Flight Line Direction
 Flight Line Separation
 Tie Line Direction
 Tie Line Separation
 Terrain Clearance
 Flown by GEONSTRUMENTS PTY. LTD.
 Geoinstruments job number
 Survey flown
 Processed by

090 - 270.00 degrees
 100 metres
 0 - 180 degrees
 2000 metres
 80 metres (MTC)
 9101
 February 1991
 Kevron Geophysics

RESIDUAL MAGNETIC CONTOURS

Diurnal variations removed
 IGRF(1985) updated to 1991.3 removed
 Average survey base station value and a
 constant of 62000 nT added to datum
 Grid mesh 25 x 25 metres
 Contour Interval 2, 10, 50, 250 nT

Sheet Index

2
1



760031

95-3770

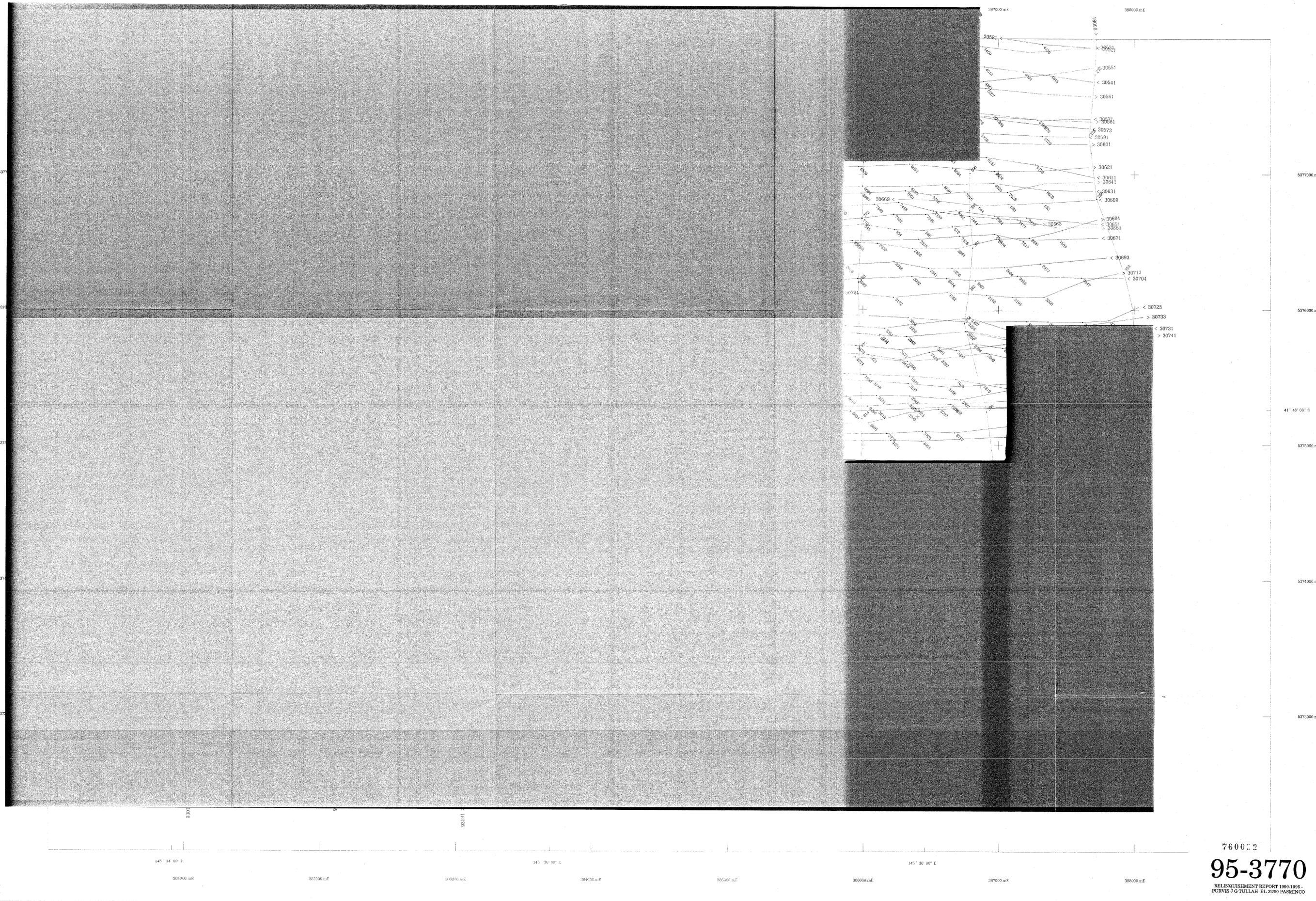
RELINQUISHMENT REPORT 1990-1995
 PURVIS J G TULLAH EL 2290 PASMINGO

SCALE 1:10,000

PASMINGO EXPLORATION
 A Division of Pasmingo Australia Limited

EL22/90 - Tullah
Magnetic Intensity Contours

DATE : Jun 1991	REPORT :
DRAWN : Kevron Geophysics	PLAN NO.
SCALE 1: 10000	Figure 9



381000 mE 382000 mE 383000 mE 384000 mE 385000 mE 386000 mE 387000 mE 388000 mE

537000 mN 5371000 mN 5372000 mN 5373000 mN 5374000 mN 5375000 mN 5376000 mN 5377000 mN

760002
95-3770
 RELINQUISHMENT REPORT 1990-1995 -
 PURVIS J G TULLAH EL 2290 PASMINGO

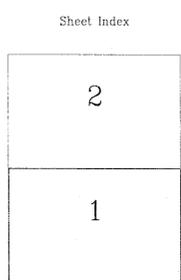
AIRBORNE SURVEY EQUIPMENT
 Aircraft
 Magnetometer
 Magnetometer Resolution
 Magnetometer Sample Interval
 Data Acquisition
 Data Recording
 Spectrometer
 Spectrometer Sample Interval
 Flight Path Record
 Flight Path Recovery

Aerospasiale Ecureuil "Squarre" VI-HRK
 Geometrics G853 Helium Vapour
 0.2 seconds (approx 7 metres)
 Geoinstruments Model 200
 1.5MB floppy disk
 Geometrics G850
 16.4 litres in downward array
 1.0 Seconds (approx 35 metres)
 VHS Colour Video System
 Visually onto aerial photographs

AIRBORNE SURVEY SPECIFICATIONS
 Flight line Direction
 Flight Line Separation
 Tie Line Direction
 Tie Line Separation
 Terrain Clearance
 Flown by GEONSTRUMENTS PTY. LTD.
 Geoinstruments job number
 Survey Date
 Processed by

090 - 270.00 degrees
 100 metres
 0 - 180 degrees
 2000 metres
 00 metres (MFL)
 9101
 February 1991
 Kevron Geophysics

FLIGHT PATH PROCESSING
 Flight path visually recovered onto aerial photographs
 and transferred to 1:10000 topographic maps
 Grid locations refer to Australian Grid Zone 55



PASMINGO EXPLORATION	
A Division of Pasmingo Australia Limited	
EL22/90 Tullah	
Recovered Flight Path	
DATE : Jun 1991	REPORT :
DRAWN : Kevron Geophysics	PLAN NO. 1
SCALE 1: 10000	Figure 10

386000E

387000E

388000E

389000E

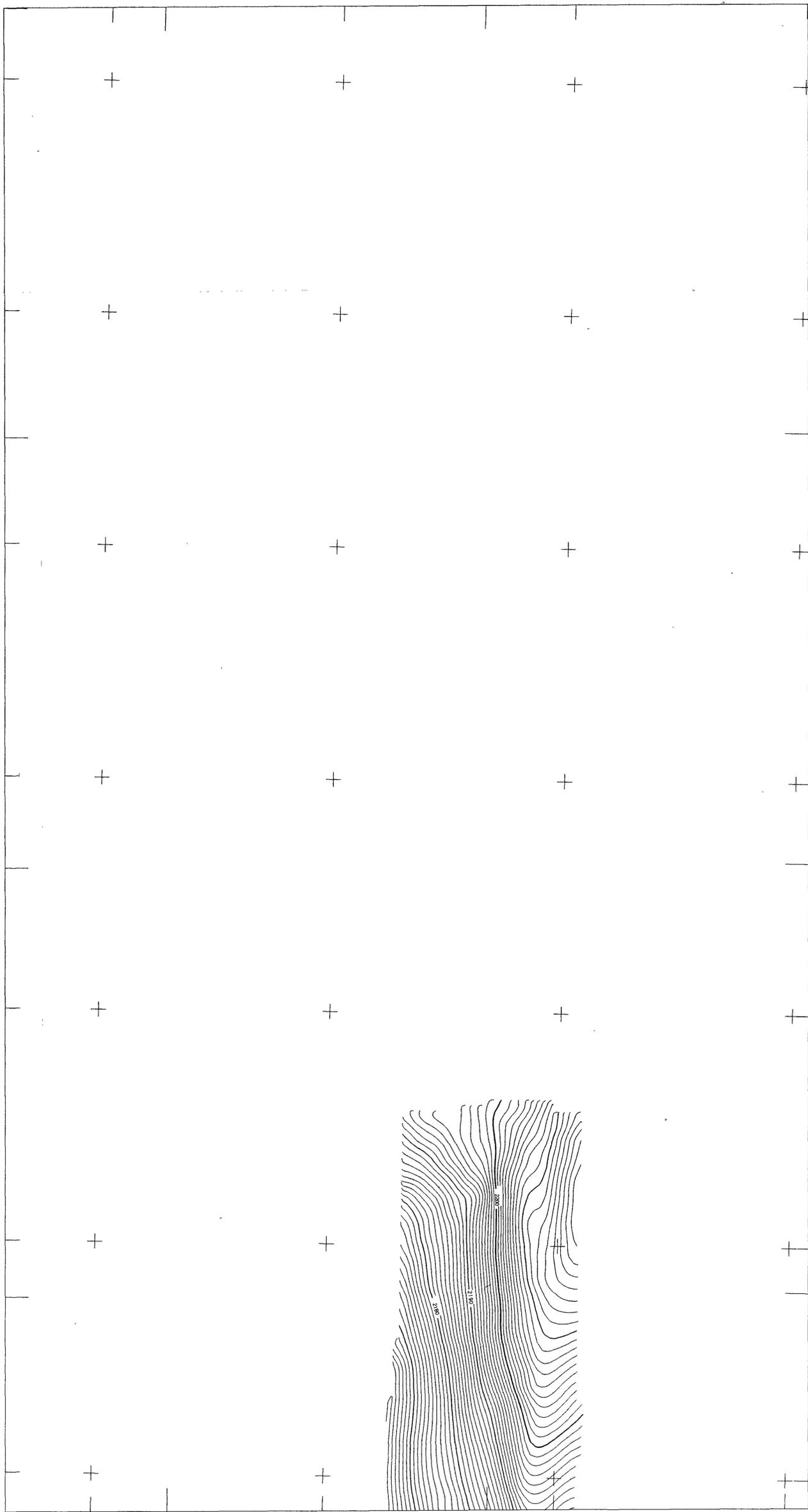
41°40'00"S

41°41'00"S

41°42'00"S

41°43'00"S

41°43'30"S



AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
 MAGNETOMETER : SCINTREX caesium vapour optical absorption mounted on a bird
 SENSITIVITY : 0.05 nT
 RECORDING INTERVAL : 0.1 sec
 NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
 SPECTROMETER : Nuclear Data 256 channel ADC
 Volume : 16.8 litres
 TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
 POTASSIUM WINDOW : 1.35 - 1.57 MeV
 URANIUM WINDOW : 1.63 - 1.89 MeV
 THORIUM WINDOW : 2.42 - 2.82 MeV
 RECORDING INTERVAL : 1.0 sec
 DATA RECORDING : Geotrex MADACS acquisition system
 Digital to magnetic tape
 NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
 NOMINAL LINE SPACING : Traverse lines 100 m
 Tie lines 1.0 km
 FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
 UHF DGPS navigation system
 FLIGHT PATH RECORD : real time from UHF DGPS system corrected for selected availability

RESIDUAL MAGNETIC CONTOURS

Grid notation refers to Australian Map Grid Zone 55
 Diurnals removed, Tie-line levelled
 1990 model (updated for secular variation to March 1993) removed, datum 2000 nT added
 Total Field : 62194 nT (at 414500E, 1453730E)
 Inclination : 72 degrees S
 Declination : 13.2 degrees E
 Grid mesh size : 25 x 25 metres
 Grid filter : None
 Contour interval : 1, 10 and 100 nT

5384000N

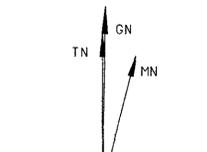
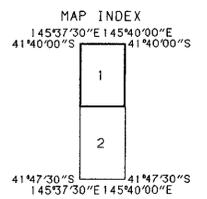
5383000N

5382000N

5381000N

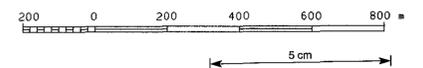
95-3770

RELINQUISHMENT REPORT 1990-1995 - PURVIS J G TULLAH EL.22/90 PASMINGO



Grid Convergence = 0.90°
Declination = 13.20°

SCALE 1:10000



JOB NO : 3-446
 Surveyed by GEOTERREX PTY LTD : March 1993
 Compiled by GEOTERREX PTY LTD, SYDNEY
 Processed by GEOTERREX PTY LTD, SYDNEY

5380000N

PASMINGO EXPLORATION

FARRELL RANGE EL 22/90

RESIDUAL MAGNETIC CONTOURS

BURNIE SK55-3

SHEET 1 OF 2

Figure 12

145°37'30"E

145°38'00"E

145°39'00"E

145°40'00"E

DRAWING NO:

DATE : 13-MAY-1993

386000E 387000E 388000E 389000E

41°43'30"S

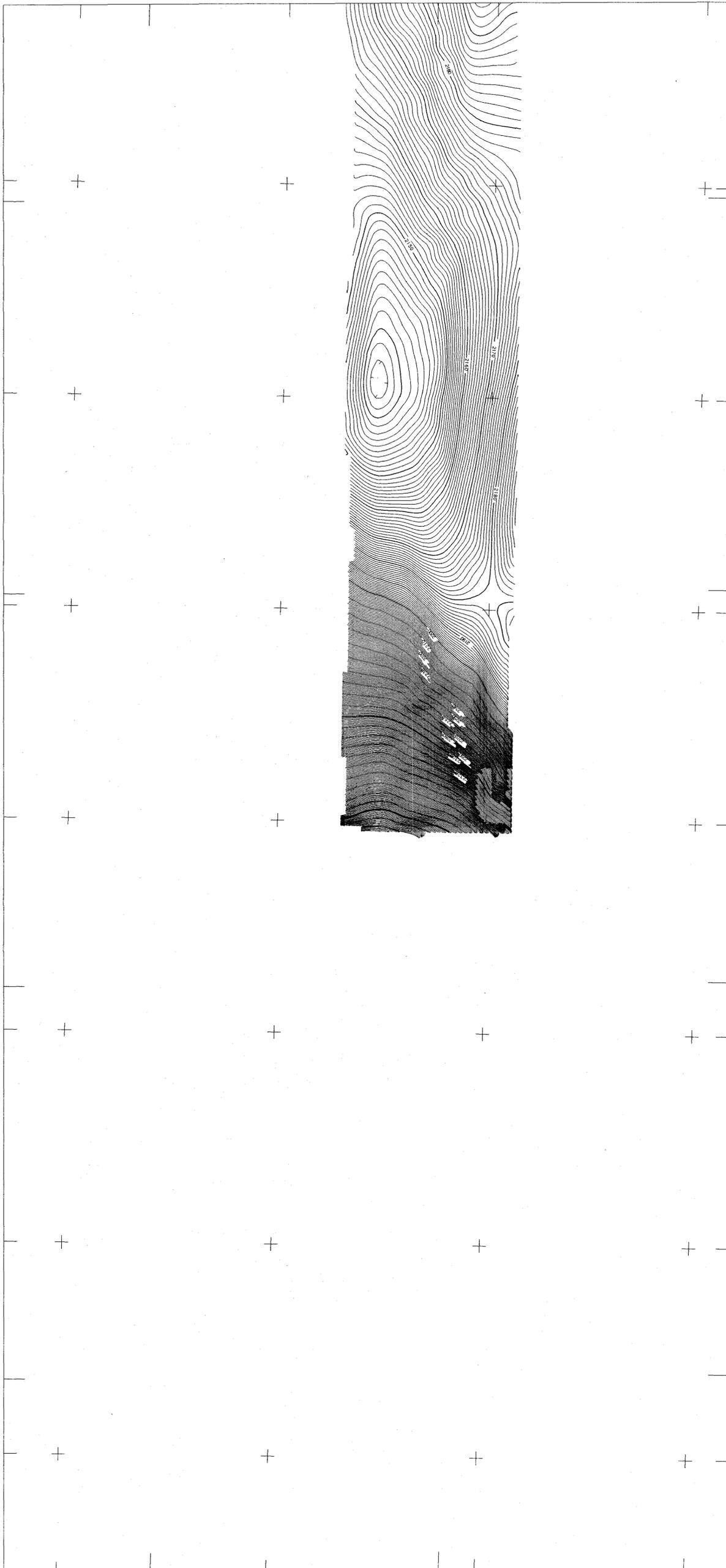
41°44'00"S

41°45'00"S

41°46'00"S

41°47'00"S

41°47'30"S



AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
 MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
 Sensitivity : 0.05 nT
 RECORDING INTERVAL : 0.1 sec
 NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
 SPECTROMETER : Nuclear Data 256 channel ADC
 Volume : 16.8 litres
 0.4 - 3.00 MeV
 TOTAL COUNT WINDOW : 1.35 - 1.57 MeV
 POTASSIUM WINDOW : 1.63 - 1.89 MeV
 URANIUM WINDOW : 2.42 - 2.82 MeV
 THORIUM WINDOW : 1.0 sec
 RECORDING INTERVAL : Geotrex MADACS acquisition system
 DATA RECORDING : Digital to magnetic tape
 Detectors in aircraft at 110 m
 NOMINAL TERRAIN CLEARANCE : Transverse lines 100 m
 NOMINAL LINE SPACING : Tie lines 1.0 km
 FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
 UHF DGPS navigation system
 FLIGHT PATH RECORD : real time from UHF DGPS system corrected for selected availability

5379000N

RESIDUAL MAGNETIC CONTOURS

Grid notation refers to Australian Map Grid Zone 55
 Magnetic : Diurnal removed, Tie-line levelled
 1990 model (updated for secular variation to March 1993) removed.
 datum 2000 nT added
 Total Field : 62194 nT (at 414500S, 1453730E)
 Inclination : 72 degrees S
 Declination : 13.2 degrees E
 Grid mesh size : 25 x 25 metres
 Grid filter : None
 Contour interval : 1, 10 and 100 nT

5378000N

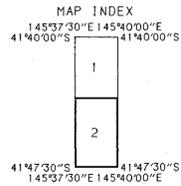
5377000N

5376000N

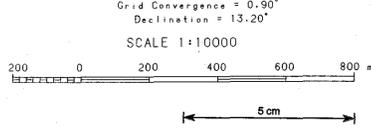
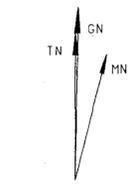
5375000N

5374000N

5373000N



60035
95-3770
 RELINQUISHMENT REPORT 1990-1995 -
 PURVIS J G TULLAH EL 22/90 PASMINGO



JOB NO : 3-446
 Surveyed by GEOTERREX PTY LTD : March 1993
 Compiled by GEOTERREX PTY LTD, SYDNEY
 Processed by GEOTERREX PTY LTD, SYDNEY

PASMINGO EXPLORATION
 FARRELL RANGE EL 22/90
 RESIDUAL MAGNETIC CONTOURS
 BURNIE SK55-3
 SHEET 2 OF 2 Figure 13

DRAWING NO: DATE : 13-MAY-1993

145°37'30"E 145°38'00"E 145°39'00"E 145°40'00"E

383000E

384000E

385000E

386000E

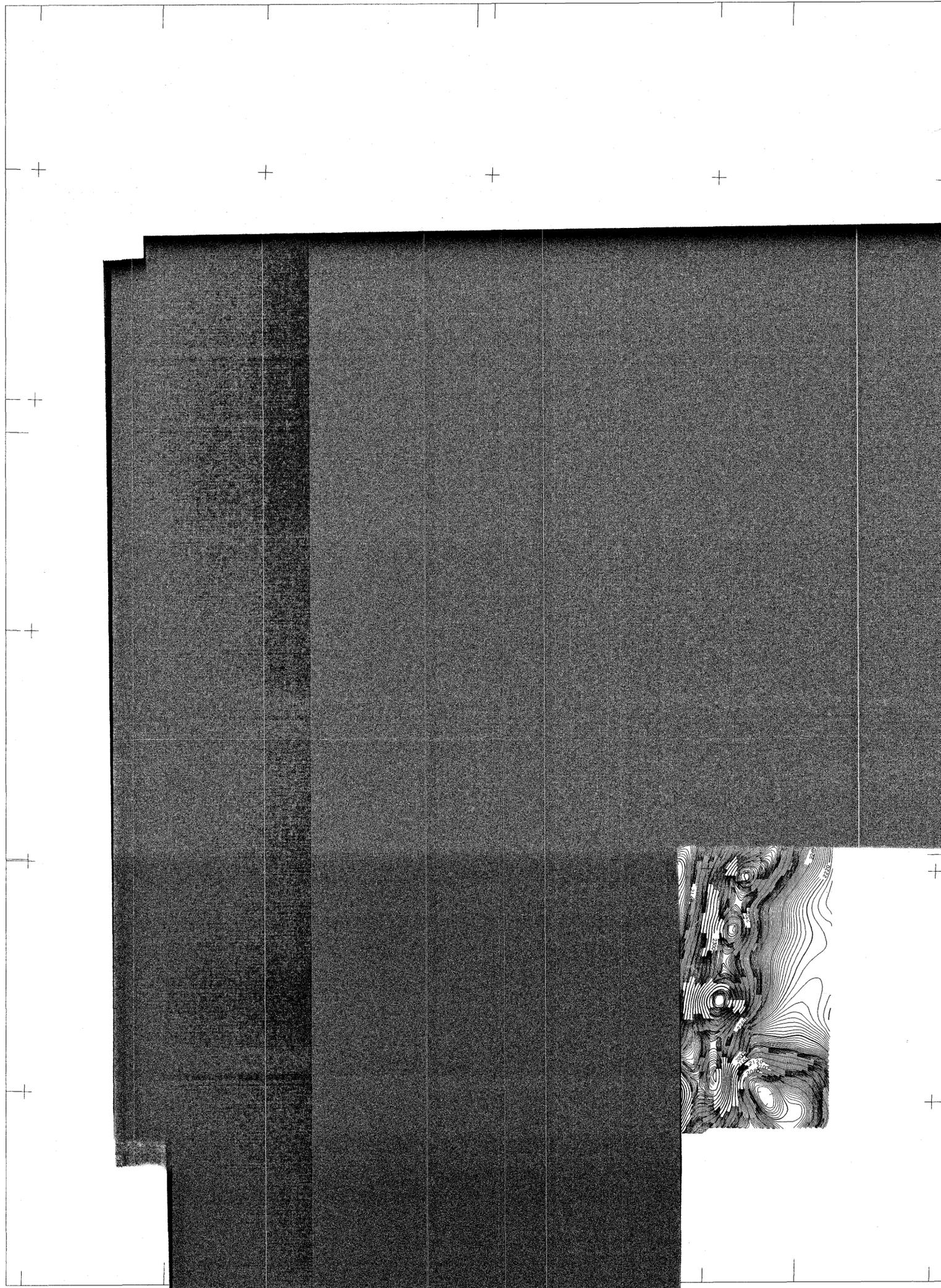
387000E

41°43'00"S

41°44'00"S

41°45'00"S

41°46'00"S



AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
Sensitivity : 0.05 nT
RECORDING INTERVAL : 0.1 sec
NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
SPECTROMETER : Nuclear Data 256 channel ADC
Volume : 16.8 litres
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.63 - 1.89 MeV
THORIUM WINDOW : 2.42 - 2.82 MeV
RECORDING INTERVAL : 1.0 sec
DATA RECORDING : Geotrex MADACS acquisition system
Digital to magnetic tape
NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
NOMINAL LINE SPACING : Traverse lines 100 m
Line lines 1.0 km
FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
UHF DGPS navigation system
real time from UHF DGPS system
corrected for selected availability
FLIGHT PATH RECORD :

538000N

RESIDUAL MAGNETIC CONTOURS

Grid notation refers to Australian Map Grid Zone 55
Magnetics : Diurnal removed
1990 model updated for secular
variation to March 1993 removed.
IGRF : Datum 2000 nT added
Total Field : 52195 nT (at 41°45'00", 145°37'00")
Inclination : 73 degrees S
Declination : 13.2 degrees E
Grid mesh size : 25 x 25 metres
Grid filter : None
Contour interval : 2, 20 and 200 nT

5379000N

5378000N

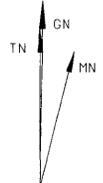
5377000N

5376000N

95-3770

RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 2290 PASMINGO

760036



Grid Convergence = 0.92°
Declination = 13.20°

SCALE 1:10000



5 cm



JOB NO : 3-446
Surveyed by GEOTERREX PTY LTD : March 1993
Compiled by GEOTERREX PTY LTD, SYDNEY
Processed by GEOTERREX PTY LTD, SYDNEY

PASMINGO EXPLORATION

TULLAH GAP EL 22/90
RESIDUAL MAGNETIC CONTOURS
BURNIE SK55-3

SHEET 1 OF 1

Figure 15

DRAWING NO:

DATE : 13-MAY-1993

145°35'30"E

145°36'00"E

145°37'00"E

145°38'00"E

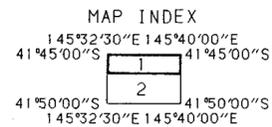
145°38'30"E

AIRBORNE SURVEY SPECIFICATIONS

5377000N
 AIRCRAFT : Squirrel Helicopter
 MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
 Sensitivity : 0.05 nT
 RECORDING INTERVAL : 0.1 sec
 NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
 SPECTROMETER : Nuclear Data 256 channel ADC
 Volume : 16.8 litres
 TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
 POTASSIUM WINDOW : 1.35 - 1.57 MeV
 URANIUM WINDOW : 1.63 - 1.89 MeV
 THORIUM WINDOW : 2.42 - 2.82 MeV
 RECORDING INTERVAL : 1.0 sec
 DATA RECORDING : Geotrex MADACS acquisition system
 Digital to magnetic tape
 NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
 NOMINAL LINE SPACING : Traverse lines 100 m
 Tie lines 1.0 km
 FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
 UHF DGPS navigation system
 FLIGHT PATH RECORD : real time from UHF DGPS system corrected for selected availability

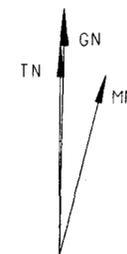
RESIDUAL MAGNETIC CONTOURS

5376000N
 Grid notation refers to Australian Map Grid Zone 55
 Magnetics : Diurnals removed
 1990 model (updated for secular variation to March 1993) removed.
 IGRF : datum 2000 nT added
 62217 nT (at 414730S, 1453500E)
 Total Field : 72 degrees S
 Inclination : 13.2 degrees E
 Declination : 25 x 25 metres
 Grid mesh size : None
 Grid filter : 5, 50 and 500 nT
 Contour interval :



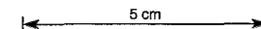
5375000N

760037
95-3770
 RELINQUISHMENT REPORT 1990-1995 -
 PURVIS J G TULLAH EL 22/90 PASMINGO



Grid Convergence = 0.93°
 Declination = 13.20°

SCALE 1:10000



5374000N



JOB NO : 3-446
 Surveyed by GEOTERREX PTY LTD : March 1993
 Compiled by GEOTERREX PTY LTD, SYDNEY
 Processed by GEOTERREX PTY LTD, SYDNEY

PASMINGO EXPLORATION

STERLING RIVER EL 24/91
 RESIDUAL MAGNETIC CONTOURS

BURNIE SK55-3

SHEET 1 OF 2

Figure 14

DRAWING NO:

DATE : 13-MAY-1993

386000E

387000E

388000E

389000E

41°40'00"S

41°41'00"S

41°42'00"S

41°43'00"S

41°43'30"S

145°37'30"E

145°38'00"E

145°39'00"E

145°40'00"E

AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
MAGNETOMETER : SCINTREX caesium vapour optical absorption mounted on a bird
Sensitivity : 0.05 nT

RECORDING INTERVAL : 0.1 sec
NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
SPECTROMETER : Nuclear Data 256 channel ADC
Volume : 16.8 litres

TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.63 - 1.89 MeV
THORIUM WINDOW : 2.42 - 2.82 MeV

RECORDING INTERVAL : 1.0 sec
DATA RECORDING : Geotrex MADACS acquisition system
Digital to magnetic tape

NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
NOMINAL LINE SPACING : Traverse lines 100 m
Tie lines 1.0 km

FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
UHF DGPS navigation system
real time from UHF DGPS system

FLIGHT PATH RECORD : corrected for selected availability

FLIGHT PATH

Grid notation refers to Australian Map Grid Zone 55
Navigation fix 32768

5386000N

5385000N

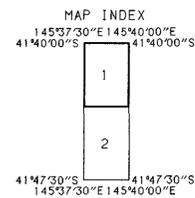
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5383000N

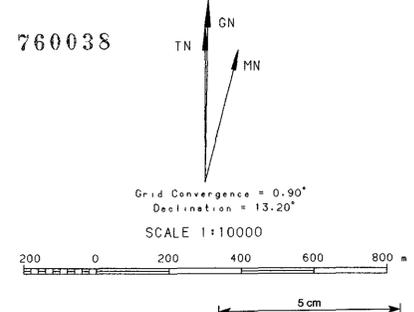
5382000N

5381000N

5380000N



95-3770
RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 22/90 PASMINGO



JOB NO : 3-446
Surveyed by GEOTERREX PTY LTD : March 1993
Compiled by GEOTERREX PTY LTD, SYDNEY
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PASMINGO EXPLORATION	
FARRELL RANGE EL 22/90	
FLIGHT PATH	
BURNIE SK55-3	
SHEET 1 OF 2	
DRAWING NO:	DATE : 13-MAY-1993

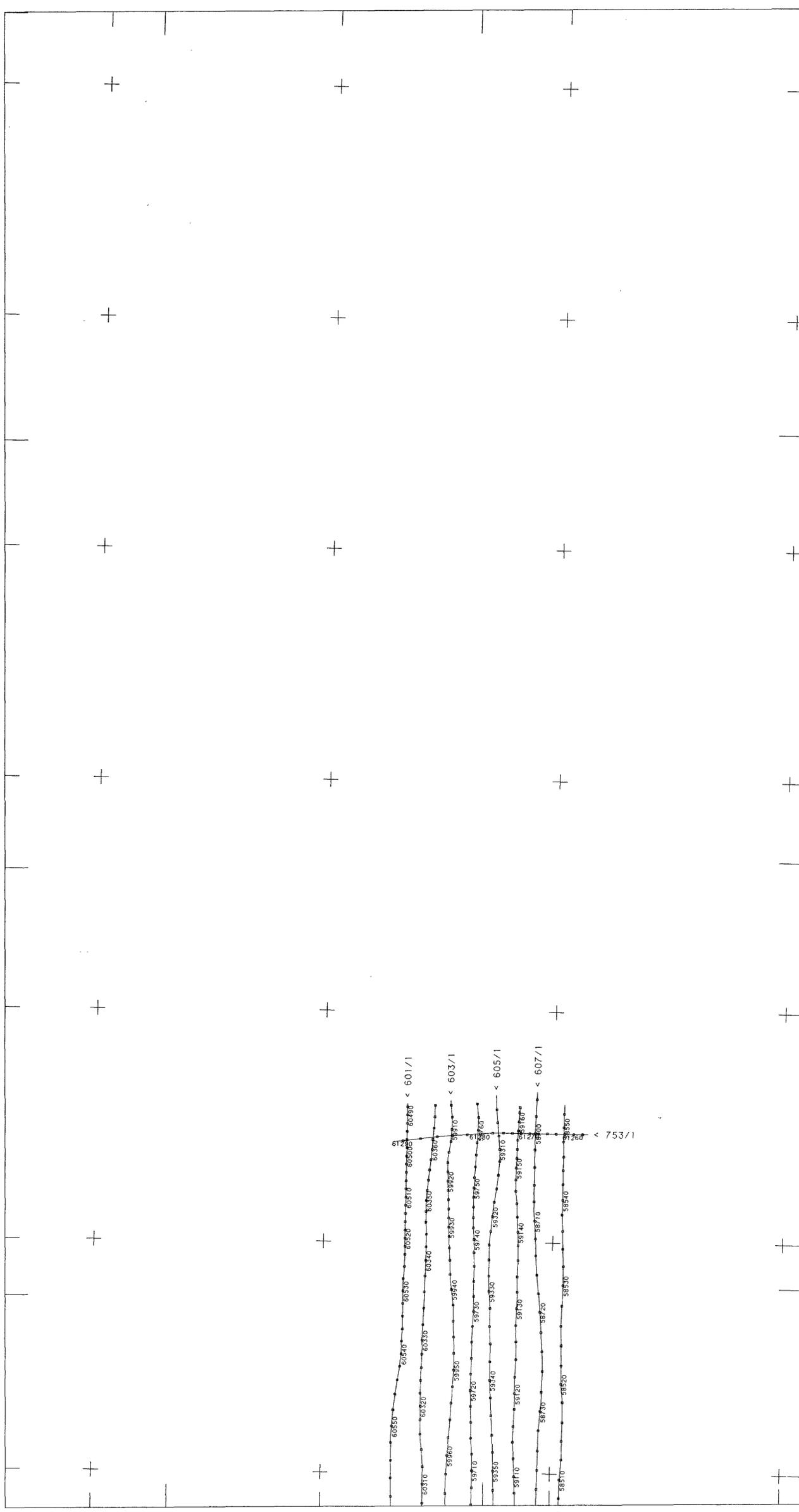


Figure 16

386000E

387000E

388000E

389000E

41°43'30"S

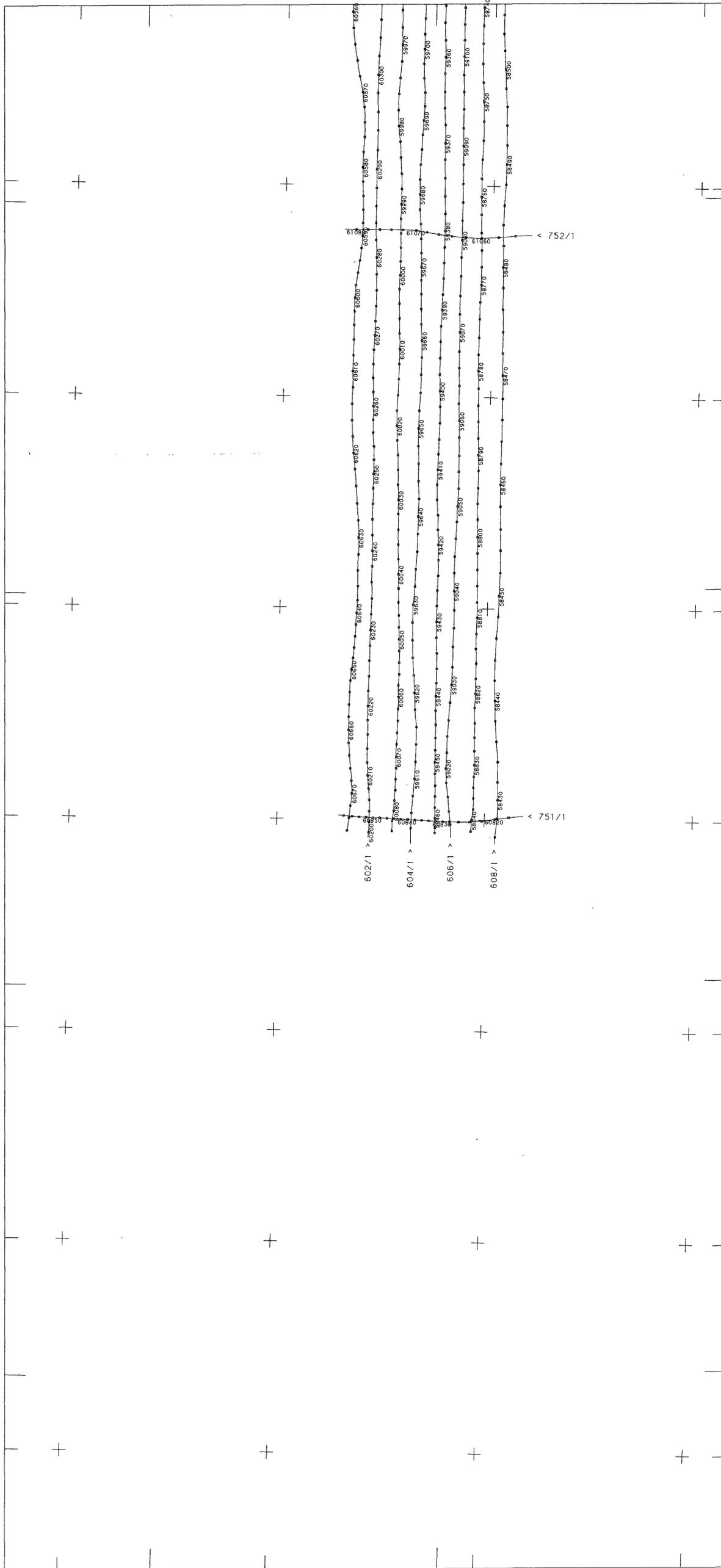
41°44'00"S

41°45'00"S

41°46'00"S

41°47'00"S

41°47'30"S



AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
Sensitivity : 0.05 nT
RECORDING INTERVAL : 0.1 sec
Sensor in towed bird at 80 m
NOMINAL TERRAIN CLEARANCE : Nuclear Data 256 channel ADC
SPECTROMETER : Volume : 16.8 litres
0.4 - 3.00 MeV
TOTAL COUNT WINDOW : POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.63 - 1.99 MeV
THORIUM WINDOW : 2.42 - 2.82 MeV
RECORDING INTERVAL : 1.0 sec
DATA RECORDING : Geotrex MADACS acquisition system
Digital to magnetic tape
NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
NOMINAL LINE SPACING : Traverse lines 100 m
Flight lines 1.0 km
FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
UHF DGPS navigation system
real time from UHF DGPS system
FLIGHT PATH RECORD : corrected for selected availability

5379000N

FLIGHT PATH

Grid notation refers to Australian Map Grid Zone 55
Navigation fix 32768

5378000N

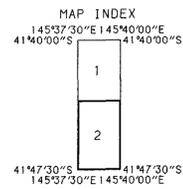
5377000N

5376000N

5375000N

5374000N

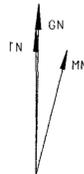
5373000N



760039

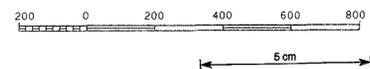
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RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 2290 PASMINGO



Grid Convergence = 0.90°
Declination = 13.20°

SCALE 1:10000



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PASMINGO EXPLORATION

FARRELL RANGE EL 22/90

FLIGHT PATH

BURNIE SK55-3

SHEET 2 OF 2

Figure 17

145°37'30"E

145°38'00"E

145°39'00"E

145°40'00"E

DRAWING NO:

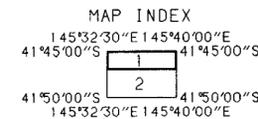
DATE : 13-MAY-1993

AIRBORNE SURVEY SPECIFICATIONS

5377000N AIRCRAFT : Squirrel Helicopter
MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
Sensitivity : 0.05 nT
RECORDING INTERVAL : 0.1 sec
NOMINAL TERRAIN CLEARANCE : Sensor in towed bird at 80 m
SPECTROMETER : Nuclear Data 256 channel ADC
Volume : 16.8 litres
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.63 - 1.89 MeV
THORIUM WINDOW : 2.42 - 2.82 MeV
RECORDING INTERVAL : 1.0 sec
DATA RECORDING : Geotrex MADACS acquisition system
Digital to magnetic tape
NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
NOMINAL LINE SPACING : Traverse lines 100 m
Tie lines 1.0 km
FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
UHF DGPS navigation system
FLIGHT PATH RECORD : real time from UHF DGPS system
corrected for selected availability

FLIGHT PATH

5376000N Grid notation refers to Australian Map Grid Zone 55
Navigation fix 32768



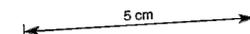
95-3770

RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 22/90 PASMINGO



760040 Grid Convergence = 0.93°
Declination = 13.20°

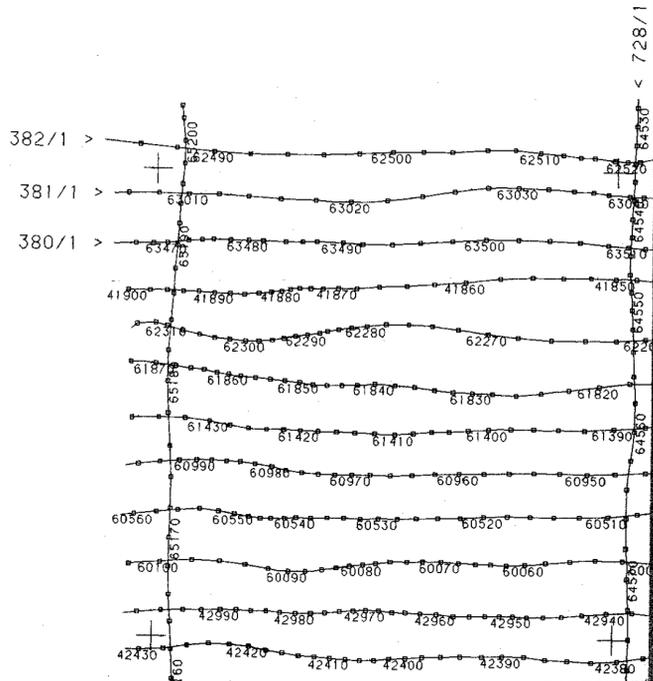
SCALE 1:10000



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PASMINGO EXPLORATION
STERLING RIVER EL 24/91
FLIGHT PATH
BURNIE SK55-3
SHEET 1 OF 2 Figure 18

DRAWING NO: DATE : 13-MAY-1993



383000E

384000E

385000E

386000E

387000E

41°43'00"S

41°44'00"S

41°45'00"S

41°46'00"S

145°35'30"E

145°36'00"E

145°37'00"E

145°38'00"E

145°38'30"E

AIRBORNE SURVEY SPECIFICATIONS

AIRCRAFT : Squirrel Helicopter
MAGNETOMETER : SCINTREX cesium vapour optical absorption mounted on a bird
Sensitivity : 0.05 nT
0.1 sec
RECORDING INTERVAL : Sensor in towed bird at 80 m
NOMINAL TERRAIN CLEARANCE : Nuclear Data 256 channel ADC
SPECTROMETER : Volume : 16.8 litres
TOTAL COUNT WINDOW : 0.4 - 3.00 MeV
POTASSIUM WINDOW : 1.35 - 1.57 MeV
URANIUM WINDOW : 1.63 - 1.89 MeV
THORIUM WINDOW : 2.42 - 2.82 MeV
RECORDING INTERVAL : 1.0 sec
DATA RECORDING : Geotrex MADACS acquisition system
Digital to magnetic tape
NOMINAL TERRAIN CLEARANCE : Detectors in aircraft at 110 m
NOMINAL LINE SPACING : Traverse lines 100 m
Tie lines 1.0 km
FLIGHT PATH NAVIGATION : SERCEL NR103 GPS and SERCEL NDS100
UHF DGPS navigation system
FLIGHT PATH RECORD : real time from UHF DGPS system
corrected for selected availability

538000N

FLIGHT PATH

Grid notation refers to Australian Map Grid Zone 55
Navigation fix 32768

537900N

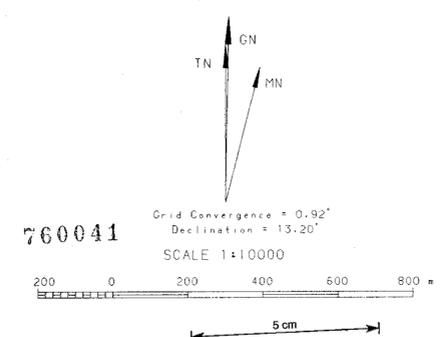
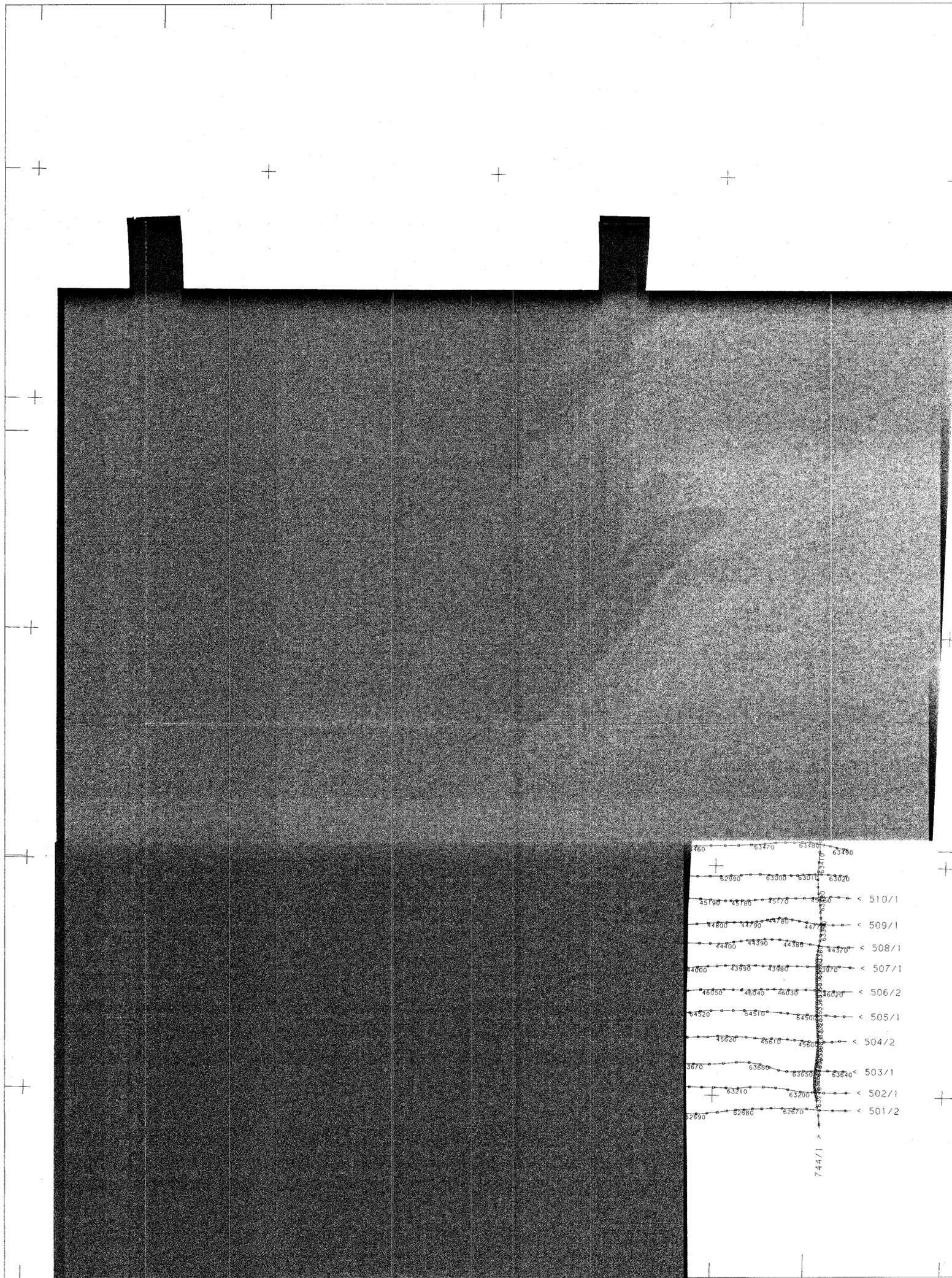
537800N

537700N

537600N

95-3770

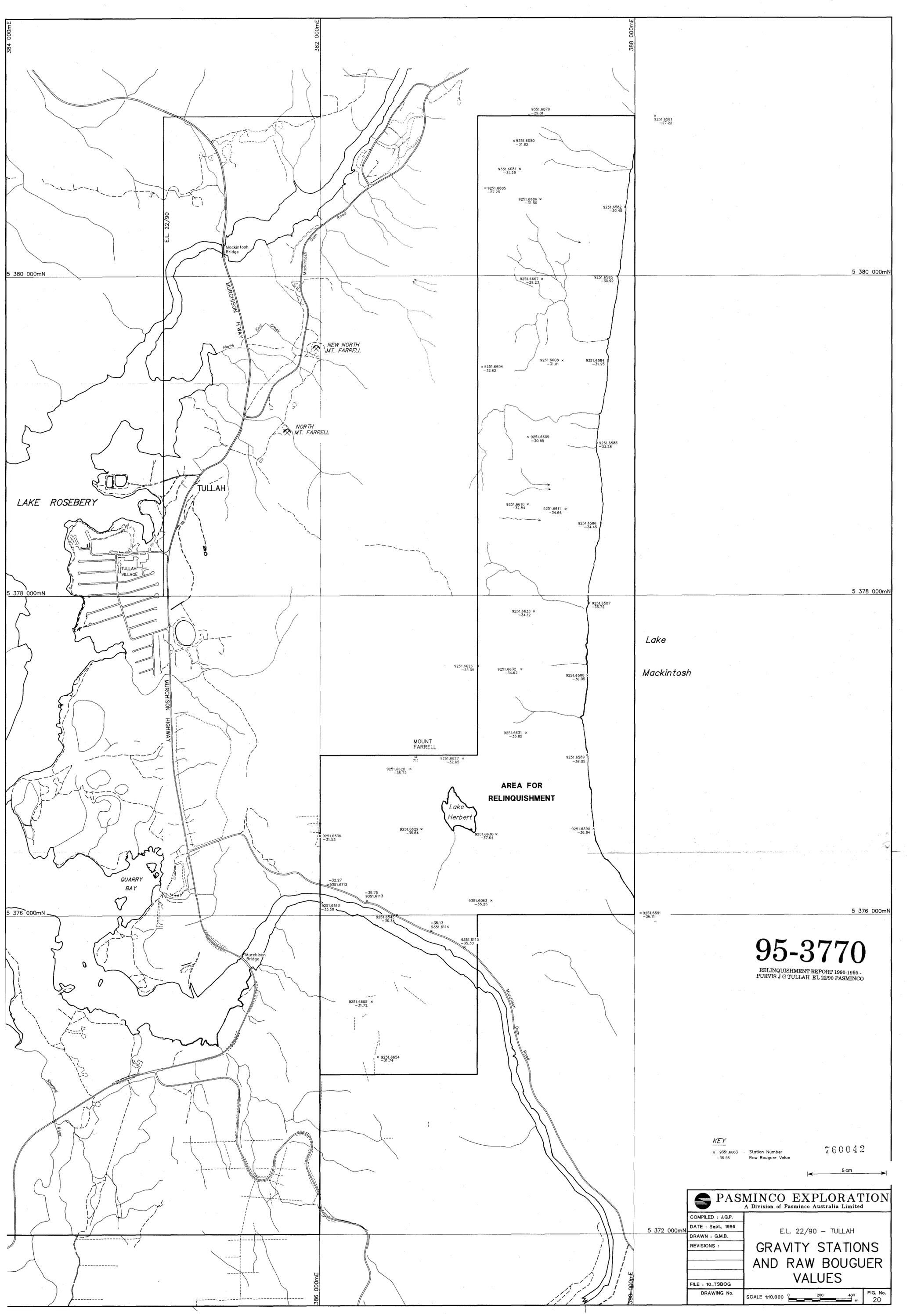
RELINQUISHMENT REPORT 1990-1995 -
PURVIS J G TULLAH EL 2290 PASMINGO



JOB NO : 3-446
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PASMINGO EXPLORATION
TULLAH GAP EL 22/90
FLIGHT PATH
BURNIE SK55-3
SHEET 1 OF 1 Figure 19

DRAWING NO: DATE : 13-MAY-1993



95-3770

RELINQUISHMENT REPORT 1990-1995
PURVIS J G TULLAH EL. 22/90 PASMINGO

KEY
x 9351.6063 Station Number
-35.25 Raw Bouguer Value

760042

5 cm

PASMINCO EXPLORATION A Division of Pasminco Australia Limited	
COMPILED : J.G.P.	E.L. 22/90 - TULLAH GRAVITY STATIONS AND RAW BOUGUER VALUES
DATE : Sept. 1995	
DRAWN : G.M.B.	
REVISIONS :	
FILE : 10_TSBOG	
DRAWING No.	SCALE 1:10,000
	FIG. No. 20