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RESOLUTE SAMANTHA LIMITED

EL 26/94 "MT VICTORIA"

**ANNUAL AND FINAL REPORT ON EXPLORATION ACTIVITY
OCTOBER 1994 - OCTOBER 1995**

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ANNUAL AND FINAL REPORT
MT VICTORIA 1994-5 MACDONALD, G -
RESOLUTE SAMANTHA LTD

GRANT MACDONALD
OCTOBER 1995

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1.0 SUMMARY

In the 12 months since EL 26/94 "Mt Victoria" was granted, Resolute Resources Limited (now Resolute Samantha Limited) has both enhanced and interpreted the newly acquired aeromagnetics data as well as collecting check and infill stream sediment (BLEG) samples to assess and improve the existing stream sediment database.

It is considered that this data should reveal the presence of a shallow, 200,000 ounce plus gold deposit amenable to open cut mining.

An area of weakly anomalous gold in stream sediments was recognised in a magnetically anomalous area east of Mathinna Falls.

Reconnaissance follow-up indicated that this weak anomalism is most likely due to higher background levels of gold in the rocks in the drainage basins and not due to a significant gold deposit.

Although a number of areas remain to be tested fully, prioritisation of targets in other licences has downgraded the relative prospectivity of this licence, hence Resolute Samantha Limited's decision to relinquish the licence.

2.0 INTRODUCTION

2.1 *Location*

Exploration Licence 26/94 "Mt Victoria" is located in Tasmania's north-east, lying to the north of Mathinna and south west of Weldborough (see Figure 1).

2.2 *Tenure*

The Exploration Licence, originally NETGOLD tender area No 9, was won by Resolute Resources Limited in the tendering process overseen by Mineral Resources Tasmania as part of the Tasmanian Government's NETGOLD initiative. The licence was granted on 21 October 1994.

2.3 *Land Status/Usage*

The licence covers an area of 109 km² (see Figure 2), however, this area contains two significant areas excluded from exploration, the Mathinna Falls Forest Reserve and Mount Victoria Forest Reserve (both shown in dark green - Figure 2). In all other parts of the licence exploration activity is permitted. The rest of the licence consists of either State Forest or private land (light green and yellow respectively - Figure 2).

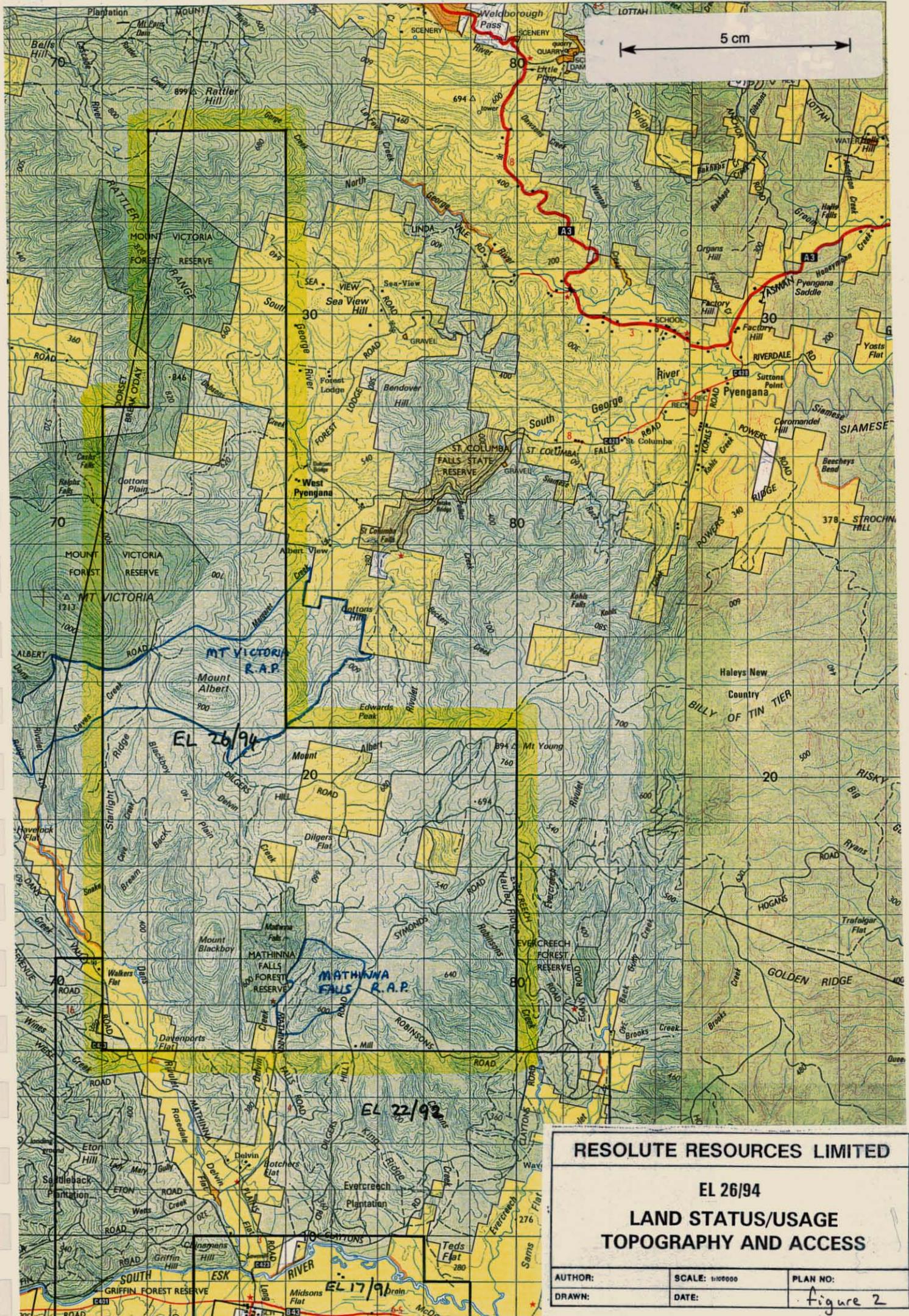
Within the State Forest are two RAPs (Recommended Areas for Protection). The Mathinna Falls RAP lies immediately to the east of the Mathinna Falls Forest Reserve whilst the Mt Victoria RAP lies to the south east of Mt Victoria. Exploration is permitted within RAPs but generally under slightly more stringent guidelines.

Most private land is under forest with very minor improved pasture.

AMG REFERENCE POINTS ADDED



RESOLUTE RESOURCES LIMITED		
EL 26/94		
"MT VICTORIA" LOCATION		
AUTHOR:	SCALE: 1:250000	PLAN NO:
DRAWN:	DATE:	Figure 1



RESOLUTE RESOURCES LIMITED

EL 26/94

LAND STATUS/USAGE

TOPOGRAPHY AND ACCESS

AUTHOR:	SCALE: 1:100000	PLAN NO:
DRAWN:	DATE:	Figure 2

2.4 *Topography and Vegetation*

The area covered by the licence is best described as hilly (see Figure 2). Much of the licence is plateau like with the plateau often roughly coinciding with the basal Permian unconformity. The hilly nature of the country arises from the dolerite capped mountains which rise above this plateau and the numerous creeks and gullies incised through the unconformity into the underlying Mathinna Beds.

Essentially the whole of the licence is covered by wet or dry sclerophyll forest. Wet sclerophyll is usually found in gullies and on southerly facing slopes with dry sclerophyll vegetation in areas with some exposure to the sun. Two small areas are covered in pine plantation whilst improved pasture is confined to the small areas of river flats in the south west.

2.5 *Access*

Access to the licence is by good bitumen and dirt road to the south. Access within the licence is varied. In the south, access is quite good with numerous forestry tracks, however, in the north access is poor.

3.0 GEOLOGY

The geology of the licence is shown in Figure 3 (Tasmania Department of Mines Mapping).

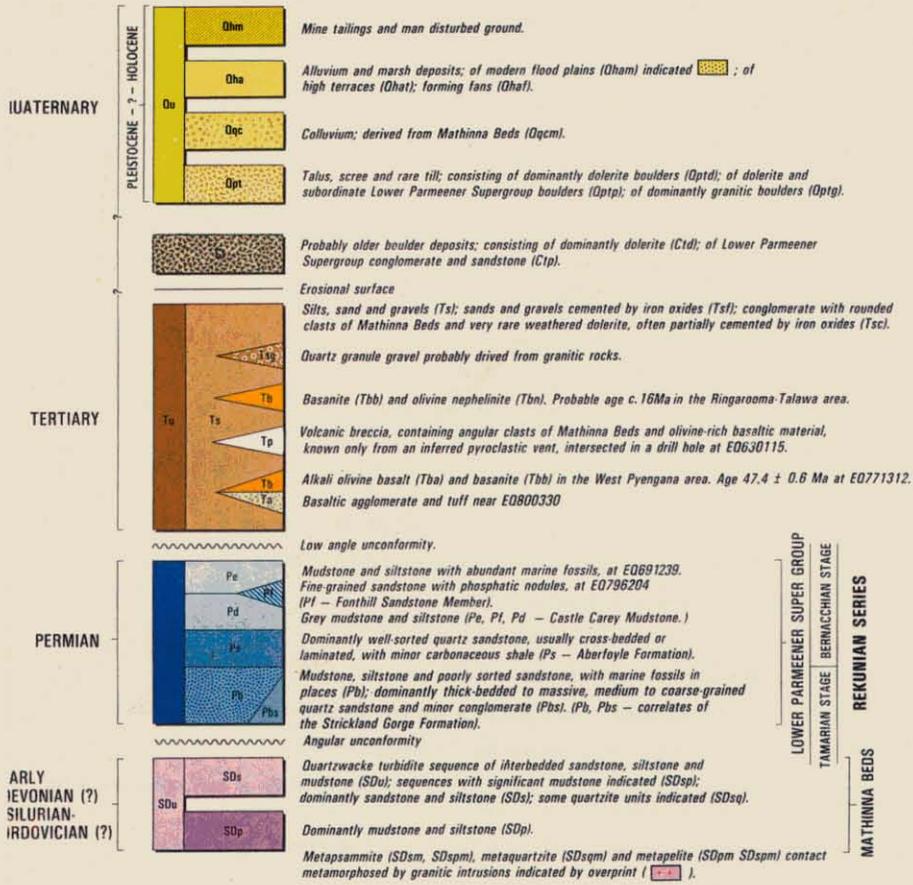
The licence lies partly on, mostly peripheral to, the major north to north-west trending linear of gold deposits running from Mangana in the south, through Mathinna and Alberton, to Lyndhurst on the north coast. Structures associated with and responsible for this linear zone have been recognised in the interpretation of the aeromagnetic data (see section 7.0). The gold deposits consists of mesothermal quartz \pm sulphide (predominantly arsenopyrite and pyrite) veins which were formed in the Mid Devonian Tabberabberan Orogeny, probably from deep seated metamorphic fluids, and are hosted in the Ordovician - Devonian Mathinna Beds.

Within EL 26/94 that linear zone passes through the far south western corner of the licence with the major structure apparently overlain by alluvials in the Dan's Rivulet Valley. Approximately 3 - 4 kms of the linear passes through EL 26/94.

The licence also lies just to the west of the old Brilliant - Golden Ridge gold prospects which lie within the metamorphic aureole of Mid Devonian granitoids (predominantly granodiorites to adamellites with minor diorites). Gold in these deposits appears to be related directly to these intrusives and is predominantly of a stockworked/disseminated style.

Hence there are two potential styles of gold deposit within the licence:-

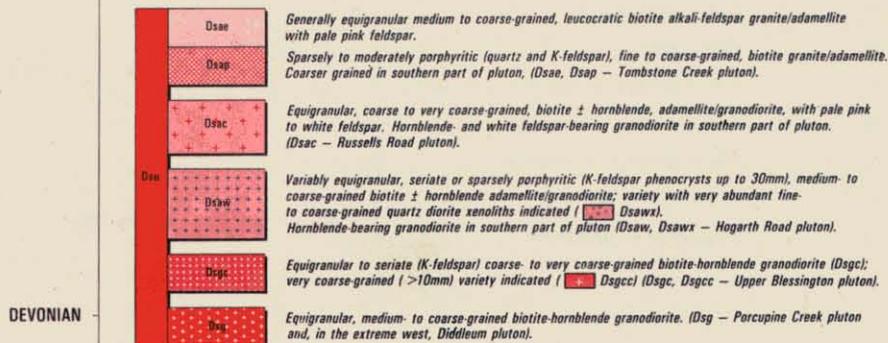
- structurally controlled veins in the south western part of the licence (Dan's Rivulet)
- stockwork/disseminated gold in the contact metamorphic aureole of Devonian granitoids.



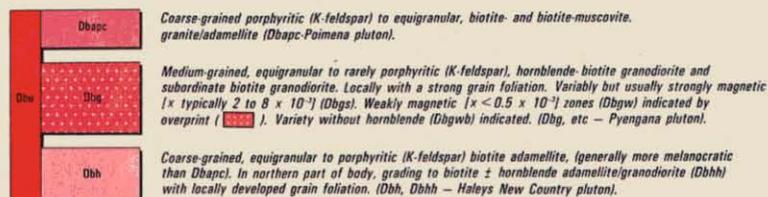
IGNEOUS ROCKS



MAJOR GRANITIC INTRUSIONS
SCOTTSDALE BATHOLITH



BLUE TIER BATHOLITH



-----	Geological boundary-position approximate.	
-----	Geological boundary-inferred	
-----	Geological boundary-transitional	
-----	Airphoto Lineament	
-----	Fault — position approximate, downthrown side indicated	
-----	Fault — inferred.	
-----	Fault — concealed.	
$\swarrow 15 \quad \searrow 60 \quad \swarrow 24$	Strike and dip of beds — right way up, overturned, facing unknown.	
$\times \quad \times \quad +$	Vertical bedding, facing known, facing unknown, horizontal bedding, right way up.	
\nearrow	Generalised palaeocurrent direction.	
$\swarrow 60 \quad \downarrow$	Strike and dip of primary cleavage, vertical.	
$\swarrow 60 \quad \nearrow$	Strike and dip of later cleavage, vertical.	
$\swarrow 15 \quad \searrow 60$	Direction and plunge of minor fold hinge line, with direction of dip of axial surface	
$\swarrow \quad \searrow \quad \swarrow$	Vergence (viewed down plunge)-dextral, no vergence, sinistral.	
$\swarrow 24 \quad \searrow 24$	Direction and plunge of kink-band hinge line, with direction of dip of axial surface, and sense of displacement viewed down plunge.	
$\swarrow 24 \quad \searrow 24$	Direction and plunge of chevron-fold hinge line, with direction of dip of axial surface.	
$\swarrow 70 \quad \circ$	Plunge of columnar jointing, vertical.	
$\swarrow 45 \quad \times$	Strike and dip of dominant joint set, vertical.	
$\swarrow 22$	Strike and dip of foliation due to alignment of K-feldspar phenocrysts in granitic rock.	
\nearrow	Trend of apparent lineation of K-feldspar phenocrysts on horizontal surfaces of granitic rock.	
\swarrow	Trend of sulphide-bearing vein.	
\bullet	Macrofossil locality in poorly-fossiliferous sequences.	
\bullet	Field station for adjacent readings on map.	
\square 0a 205 \circ SDs 8 10 \bullet Pm	Borehole with identification number, depths in metres to rock types encountered, and final depth	
\bullet Pm	Notable small outcrop.	
\bullet Pm'	Notable float occurrence	
$\frac{Optd}{Ru}$	Talus concealing underlying rock type inferred from magnetometer survey.	
\cup	Cirque	
$\uparrow \quad \uparrow \quad \uparrow$	Limit of glacial smoothing of dolerite bedrock	
\oplus	Major mine — closed.	} (Sn — tin, W — wolfram, Pb — lead, Zn — zinc, Cu — copper, Ag — silver, U — uranium, C — coal) (Au — gold, Sn — tin)
\otimes	Mine — operating	
\otimes	Mine abandoned.	
\otimes	Mine or prospect — little or no production.	
\otimes	Alluvial workings — operating.	
\otimes	Alluvial workings — abandoned.	} (Gr — gravel, Bs — building stone)
\otimes	Quarry or pit — operating	
\otimes	Quarry or pit — abandoned	

4.0 EXPLORATION PHILOSOPHY

Resolute Samantha Limited's target is a 200,000 ounce plus shallow deposit amenable to open cut mining. Such a deposit could consist of gold in stockwork/disseminations in the thermal aureole of a Devonian granitoid or in sheeted veins/stockwork on or near major north to north-west trending structures. Dilational north to north-east trending structures may be significant in focusing mineralising fluids. It is considered that such a deposit should be found using a combination of enhanced and interpreted aeromagnetics and stream sediment geochemistry, with follow up rock and soil geochemical sampling in anomalous areas or catchments leading to the definition of drill targets.

A secondary target is high grade gold in mesothermal quartz reefs of which the 250,000 ounce New Golden Gate mine at Mathinna is the best example.

5.0 PREVIOUS EXPLORATION

There have been essentially two phases of gold exploration in the licence.

The first phase was that conducted by 'old timer' prospectors late last century - early this century. Their exploration, utilising the techniques of panning, loaming and dollying led to the discovery within the licence of the Waterfall, Section 821/93 G, and Section 819/93 G prospects (see locations on Figure 5), as well as all of the numerous prospects on the main Mangana - Lyndhurst linear.

The licence would also have been prospected for tin using the same techniques. Given the amount of ground covered by these old timers it is reasonable to conclude that there is a very low probability of outcropping high grade reefs remaining undiscovered.

The second phase of gold exploration essentially consists of that work done by Billiton in 1990/1991 as part of exploration conducted on EL 58/88 (which extended further east than EL 26/94 to cover the Brilliant - Golden Ridge area). Billiton's work within the area covered by EL 26/94 involved the collection of regional stream sediment samples.

In Billiton's work five to seven kgs of 1/4" active stream sediment were sampled with each sample assayed for gold using the BLEG technique. The results of their sampling are compiled on Figure 5.

Prior to this work modern exploration had consisted of some very sparse base metal stream sediment sampling in the early 1970's by Geophoto Resources Consultants over their extensive EL 6/68. Results from this work are not considered to be significant.

6.0 WORK CONDUCTED, OCTOBER 1994 - OCTOBER 1995

Work in the first twelve months of the licence has consisted of the following:-

- Compilation of Historical data and previous exploration.

- Image enhancement and interpretation of newly acquired (Tasmania Government survey) aeromagnetic data
- Stream sediment (BLEG) sampling to check Billiton's results and to infill in areas not sampled by Billiton. A total of 20 samples were taken with all samples nominally 2 kg of - 2 mm active stream sediment. All samples were assayed for Au using the BLEG technique (24 hour bottle roll) with a split assayed for Ag, As, Sb, Cu, Pb and Zn.
- Soil and rock sampling along a single traverse along a ridge between drainage basins with weak to moderately anomalous Au in stream BLEGs. Thirteen soil and eight rocks were collected with both assayed using the low level circuit with Au analysed using fire assay/AAS and As analysed using acid digest/AAS.
- Sampling of hornfelsed siltstone stream bed load as orientation samples in streams with weak to moderately anomalous Au BLEG results. Fifteen samples were taken and analysed using fire assay/AAS for Au and acid digest/AAS for As.

7.0 RESULTS

7.1 *Compilation Historical Data and Previous Exploration*

The historical data on old workings in the licence area is summarised in Hughes (1947). None of the old prospects referred to ie Waterfall, Section 819/93G and Section 821/93G appear to have potential for company sized deposits.

Compilation of previous modern exploration revealed that Billiton's regional stream sediment (BLEG) sampling programme on their EL 58/88 was quite extensive. Their results are included on Figure 5.

7.2 *Image Enhancement/Interpretation of Aeromagnetics*

The newly acquired (Tasmania Government survey) aeromagnetic data was enhanced and interpreted by John Ashley of Southern Geoscience Consultants of Perth WA.

John Ashley's interpretation (including 'Contours of Total Magnetic Intensity' and 'Interpretation Plan', each at 1:50,000) is included as Appendix A.

In particular, Ashley recognises two features with significance for the target models being pursued.

In the south eastern corner for the licence, a tongue of 'inferred hornfelsed sediments' trend westwards towards Mathinna Falls. The eastern end of this tongue is outside of the licence and underlies the area of old workings at Brilliant - Golden Ridge. An inference which could be drawn from this is that the granitoid responsible for mineralisation in the Brilliant - Golden Ridge area may extend at shallow depth into EL 26/94.

In the south western corner of the licence Ashley has recognised a major north to north-west trending structure (F9) with two target zones (T2 and T3) corresponding to the intersection between this F9 structure and north to north-north-east trending "vague" faults/deformation zones which may reflect dilational structures (Riedel

faults). Unfortunately these two target zones are overlain by alluvial on the flood plain of the Dan's Rivulet.

7.3 Stream Sediment BLEG Sampling

Stream sediment sampling on EL 26/94 was carried out in conjunction with identical sampling on the other licences held by Resolute Samantha. Conclusions drawn from results elsewhere were used in analysing results from EL 26/94. Perhaps the two major conclusions to be drawn elsewhere are that:-

- anomalous stream sediment BLEG samples below old workings are of the order of 100 ppb Au or more, although,
- there is considerable variation in results with a sample returning 546 ppb Au taken 500 m above a sample site from a previous survey which returned 7.2 ppb Au whilst a 99 ppb Au result repeated at 3.5 ppb Au.

In the light of this knowledge, check sampling of Billiton's 1990/1991 survey is less in disagreement than appears at first glance.

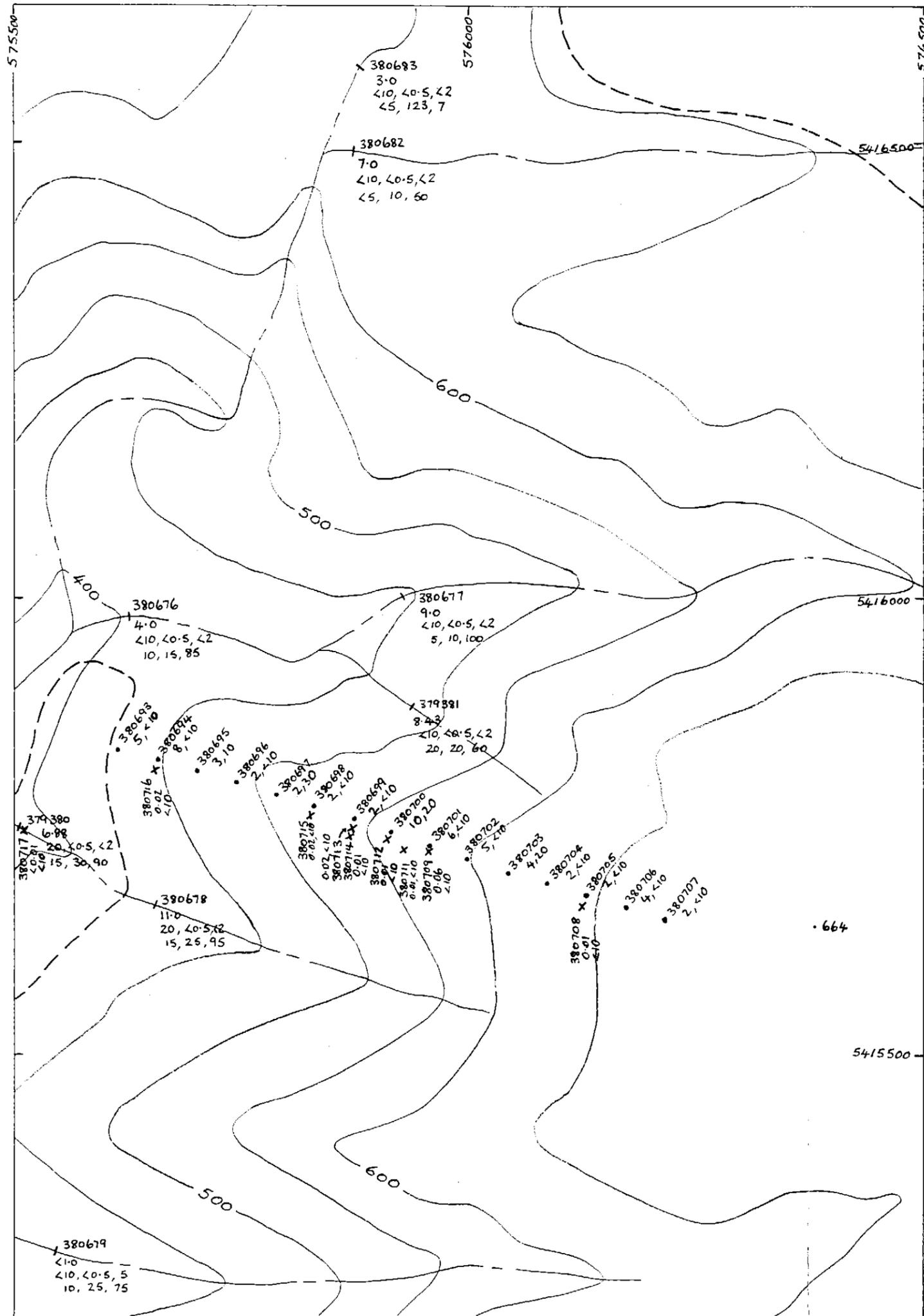
Table 1 Comparison Between Resolute Samantha and Billiton (Stream Sediment (BLEG) Results

Resolute Samantha Sample		Billiton Sample	
Sample No	Result Au ppb	Sample No	Result Au ppb
380677	9.0	18003	0.90
380680	1.0	18008	0.05
380681	3.0	18007	0.25
380682	7.0	18134	0.40
380683	3.0	18135	0.45
380684	5.0	18126	0.05
380686	<1.0	18129	0.25

Note:- Billiton samples 18003, 18007 and 18008 are not shown plotted in Randell (1991, 1992), however, these sample numbers and respective results are shown in Randell (1991) and flagging bearing these numbers was seen at the respective Resolute Samantha sample sites. Samples 380684 and 380686 were also taken at the flagged Billiton sample sites whilst 380682 and 380683 were taken in the same creek near where Billiton's plan shows their samples to have been taken.

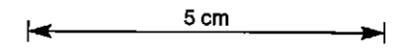
Resolute Samantha Limited's sampling in the Mathinna Falls area returned consistently weakly anomalous results with Au up to 13 ppb Au with some support from Zn. Bed load in these anomalous creeks is of hornfelsed siltstones and siltstone/shales.

Other than this area it was considered that no other areas sampled by Billiton contained significantly anomalous results.



KEY

- ROAD
- CREEK
- STREAM BLEG SAMPLE
- LOCATION / RESULT Au (ppb)
As, Ag, Sb (ppm)
Cu, Pb, Zn (ppm)
- SOIL SAMPLE NUMBER / RESULT (Au ppb, As ppm)
- ROCK SAMPLE NUMBER / RESULT (Au ppm, As ppm)
- ELEVATION CONTOURS (METRES ABOVE SEA LEVEL)
CONTOUR INTERVAL - 50 METRES



RESOLUTE RESOURCES LIMITED		
EL 26/94		
"MATHINNA FALLS"		
SAMPLE LOCATIONS/RESULTS		
AUTHOR:	SCALE: 1:5000	PLAN NO:
DRAWN:	DATE: Oct '95	⏏

The far northern part of the licence was not sampled by either Billiton or Resolute Samantha Limited. Resolute Samantha did not sample this area due to the prioritisation of work on other licences.

7.4 *Soil and Rock Sampling on Ridge Traverse, Mathinna Falls*

Given the coincidence of the anomalous stream BLEGs with the tongue of hornfelsed sediments recognised by John Ashley's interpretation of aeromagnetics it was decided to conduct a single ridge traverse between two of the most anomalous drainage basins, and coinciding with the tip of the Ashley's tongue of hornfelsed sediments. The sample locations and assay results of the rock chip and soil sampling are shown at 1:5000 in Figure 4. Rock sample descriptions and results are included as Appendices D and E whilst soil results are included as Appendix F. The best soil result was 10 ppb Au, 20 ppm As whilst the best rock returned 0.06 ppm Au and <10 ppm As.

7.5 *Hornfelsed Siltstone Sampling*

Fifteen samples of hornfelsed siltstone were collected from five creeks with anomalous stream sediment BLEG results as orientation samples in order to determine background levels. Results ranged from <0.001 ppm Au to 0.008 ppm Au.

8.0 CONCLUSIONS

It is considered that the exploration conducted by Resolute Samantha Limited and previous companies and prospectors is sufficient to locate a significant ore deposit of the style targeted by Resolute Samantha Limited.

In the Mathinna Falls area the weakly anomalous gold stream sediment results are of the same tenor as the hornfelsed siltstones which constitute the bulk of the bed load in those streams. It is most likely that the stream sediment results are reflecting slightly higher background levels in the rocks in the drainage basin. Whether this background level is primary or a product of the contact metamorphism, the only weakly anomalous stream sediment gold values do not support the existence of a significant gold deposit in the respective drainage basins.

9.0 BIBLIOGRAPHY

- Brown A V *et al* (1977) Ringarooma Map Sheet
Sheet 32, 1:50,000 series
Department of Mines Tasmania
- Hughes, T D (1947) The Dan's Rivulet Goldfield.
Unpublished Report. Department of Mines Tasmania,
1947: 87 - 124
- McClengahan M P *et al* (1993) Alberton Map Sheet
Sheet 8415 S (40), 1:50,000 series
Department of Mines Tasmania
- Randell, J P (1991) Annual Exploration Report for EL 58/88 'Golden Ridge'
April 1990 - 1991
Billiton Australia [TCR 91 - 3232]
- Randell, J P (1992) Annual Exploration Report for EL 58/88 'Golden Ridge'
April 1991 - 1992
Billiton Australia [TCR 92 - 3341]

APPENDIX A

INTERPRETATION OF AEROMAGNETIC DATA
John Ashley, Southern Geoscience Consultants

Resolute/Samantha Group

Northeast Tasmania

'Mathinna Project'

Interpretation of Aeromagnetic Data

J.Ashley March 1995

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2. Discussion

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ILLUSTRATIONS

- Figure 1. Location of Aeromagnetic surveys
Figs 2A, 2B. Interpretation Plans, scale 1:50000
Figs 3A, 3B. Aeromagnetic Contour Maps, scale 1:50000

SUMMARY

Aeromagnetic data over and adjacent to the tenements in the Mathinna area have been interpreted to assist in exploration for gold mineralisation.

In the Tower Hill/Mathinna/Dans Rivulet zone eight target areas, based on dilation zones related to secondary fault structures, are outlined. A general zone of interest is outlined over a proposed 'structural repeat' of the Mathinna setting.

In the Mangana area general zones of interest are outlined adjacent to interpreted major fault structures. One specific target zone is outlined over a dilation zone.

A zone of interest is outlined 4km west of Mathinna over an inferred folded sequence overlying granitoid.

1.INTRODUCTION

An interpretation of aeromagnetic data over and adjacent to EL's 17 - 18/91, 22/92 and 26 - 28/94 has been made to assist in exploration for gold mineralisation.

The aeromagnetic data are from the Netgold Database of northeast Tasmania. Within the study area the data are from three surveys (Figure 1):

Fingal 1993 (Geoinstruments)

- 200m spaced east-west flight lines
- 400m spaced north-south tie lines
- mean terrain clearance 74m (range 24-319m)

Mathinna 1990 (Geoinstruments)

- 150m spaced north-south flight lines
- 400m east-west tie lines
- mean terrain clearance 95m (range 55-207m)

Alberton Manganna 1989 (Austirex)

- 500m spaced east-west flight lines
- 5000m spaced north-south tie lines
- mean terrain clearance 244m (range 38-858m)

These data have been merged, gridded and contour maps at scale 1:50000 have been produced (Figures 3A,B). The data have also been image processed with results being presented on 35mm slides; hardcopy of one image was produced at scale 1:50000.

Geological data made available were the following:

- 1:250000 Geology map of northeast Tasmania
- 1:50000 Geology maps for Ringarooma, Alberton, St Helens, Ben Lomond,
 St Marys, Snow Hill
- 1:25000 Maps of the Mangana, Mathinna-Tower Hill and Dans Rivulet Goldfields

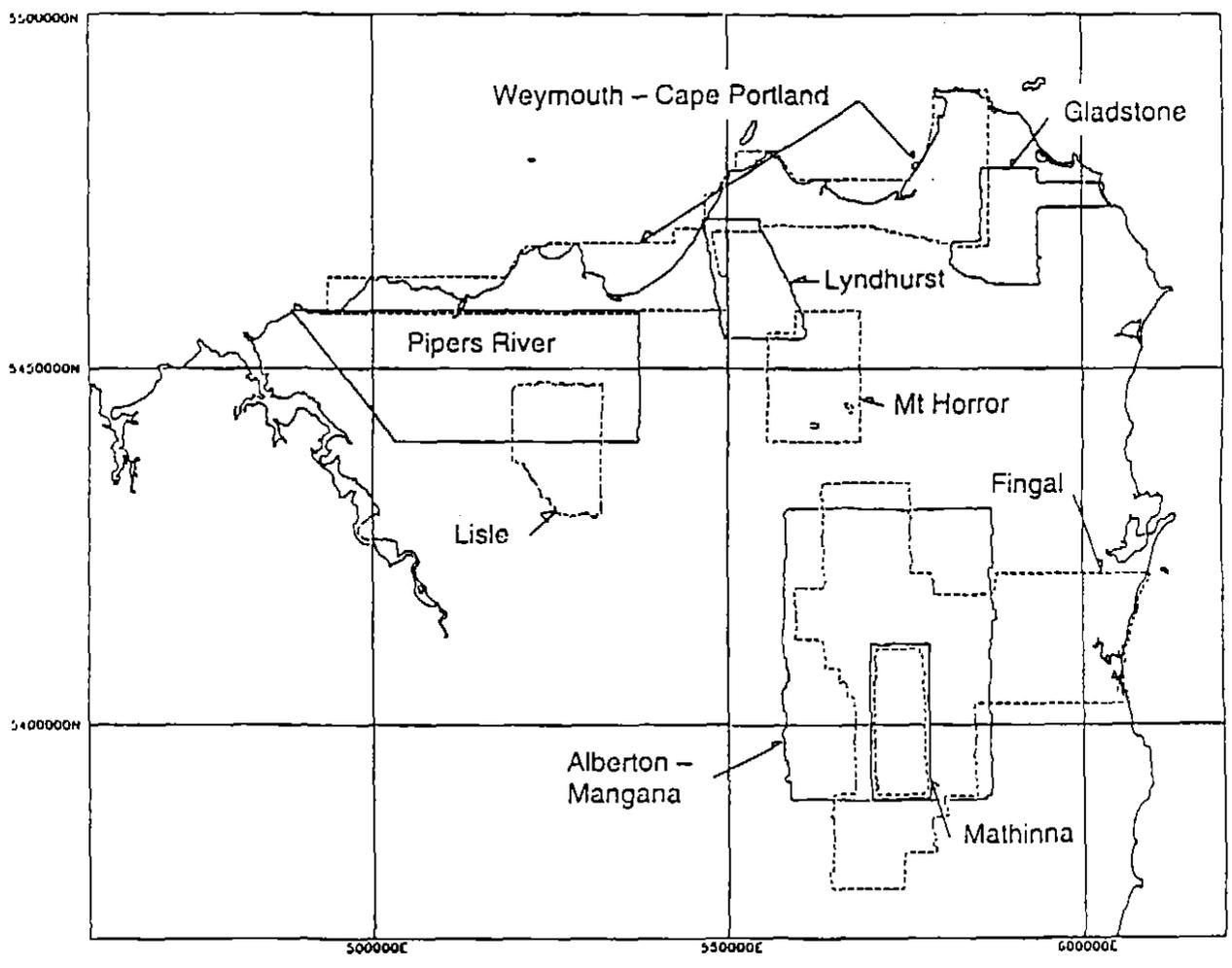


Figure 1

Mineral Resources Tasmania Reports:

- 1994/06 Structure and veining in the Devonian aged Mathinna-Alberton
Gold Lineament, northeast Tasmania - R.A.Keele
- 1992/10 Northeast Goldfields: A summary of the Tower Hill, Mathinna and
Dans Rivulet Goldfields - J.Tahieri
- 1994/05 A study of the nature and origin of gold mineralisation, Mangana-
Forrester area, northeast Tasmania - J.Tahieri, R.S.Bottrill
- 1992/29 The Mangana Goldfield and adjacent gold mining areas -
R.S.Bottrill
- 1994/08 An interpretation of recent geophysical surveys, northeastern
Tasmania - R.G.Richardson, M.J.Roach

Sundry reports:

- Aeromagnetic survey EL 55/83 Mangana - Acquisition Report.....Dr.DE.Leaman,
1990
- Gold Exploration and the use of magnetic methods in northeast Tasmania - Dr
D.E.Leaman 1992
- Regional geophysics of the Alberton-Mangana goldfield, northeast Tasmania -
M.J.Roach 1992

An interpretation of the aeromagnetic data is presented at scale 1:50000 in Figures 2A,B.

2. DISCUSSION

The magnetic characteristics of most of the rocks within the study area have been documented by Roach (1992) and Richardson and Roach (1994). The data in the table below are taken from Roach:

	Magnetic Susceptibility	
	Range	($\times 10^{-3}$ SI) Mean
Tertiary Basalt	variable	>10
Jurassic Dolerite	variable	10
Permian Sediments	0 - 0.02	~0
Blue Tier Granite	0.02 - 0.15	0.05
Scottsdale Granite	0.02 - 0.20	0.12
Pyengana Granodiorite	3.0 - 10.0	8.0
	0.15 - 0.3	0.22
Mathinna Metasediments	0.06 - 0.32	0.15

(The distribution of the magnetic rocks is best seen in the slide of the coloured, linear, total magnetic intensity).

The highest magnetic relief in the area is produced by sills of Jurassic and Tertiary volcanics; these rocks also occur as talus deposits and in drainage channels where they produce variable, erratic, magnetic relief. The magnetic phase of the Pyengana granodiorite produces a prominent magnetic response. Sediments adjacent to the Blue Tier granite (adamellite) are 'magnetic' as a result of (inferred) contact metamorphism (seen on the St Helens map sheet). Northeast trending dykes (Devonian?) are evident on the St Helens and St Marys map sheets; one southeast trending Jurassic dyke is located just to the west of the Tower Hill gold mining centre. The Mathinna Beds contain some magnetic lithologies which exhibit magnetic relief up to about 40nT (eg adjacent to the Scottsdale batholith). Some of the relief is very low and on the interpreted plans these anomalies are shown as 'trend lines'. The latter are probably very difficult to identify in the field; the former should be recognisable.

There are several low-amplitude 'broad' magnetic anomalies over the sediments (most clearly seen in the slide of the non-linear total magnetic intensity). These have been attributed (Roach 1992) to sub-surface granodiorites similar to the magnetic phase of the Pyengana granodiorite. This is considered to be a valid interpretation; an alternative source could be metamorphosed sediments overlying non-magnetic granitoids. The strongest of these 'deep' anomalies (~80nT) is in the extreme southwest. The source is interpreted to be at depth of 1 - 2km; sediments overlying this, and other 'deep' features, are inferred to be 'grossly' anticlinally folded ie along axes f_1 - f_7 . Smaller scale fold structures are evident in the

sediments adjacent to the Blue Tier batholith; a northwest fold axis (f8) is interpreted west of Mathinna where arcuate, weak, magnetic trends are observed.

Several 'major' and many minor (secondary) fault structures are interpreted. 'Major' structures trend north-northwest and northeast (the confidence in the interpretation is indicated by the 'length' of the fault symbol on the maps). The northeast dextral fault (F1) through the Pyengana granodiorite is an obvious feature where it transects the pluton but is not obvious to the southwest. A northeast fault (F2) is interpreted along a 'magnetic contact' adjacent to the South Esk river and is inferred to contain dyke rocks to the northeast (on the St Helens map sheet). Displacement on this fault may be sinistral.

North-northwest faults are mostly interpreted in the west of the area. The fault F3 is based largely on a contact displacement of the 'deep' granitoid south of the Scottsdale batholith - it is not a well defined feature.

The zone bounded by faults F4/F10 contains the bulk of the linear magnetic lithologies in the Mathinna Beds. These faults are rarely well defined and are largely positioned to outline 'packages' of rocks of similar character or, in some places, they are positioned between zones of differing 'magnetic' trends eg parts of F6, F7. The zone bounded by F6 and F9/F10 contains distinctive ovoid magnetic 'lows' (axes L1 - L3).

To the east a north-northwest fault (F11) is inferred along the margin of a tongue of 'non-magnetic' granite. The parallel fault F12 is inferred along a 'magnetic contact'.

From the imaged data additional 'major' faults or deformation zones can be inferred. These are 'weak' features and hence may relate to the earliest stages of deformation.

Such features trend east-southeast (Z1, Z2), east-northeast (Z3, Z4), north-south (Z5) and northeast (Z6, Z7).

Numerous minor or secondary fault structures are interpreted from offsets of magnetic lithologies or from trends seen in the imaged data.

3. TARGET AREAS

Some general observations relating to the distribution of gold mineralisation can be made based on this interpretation of the aeromagnetic data.

The Mathinna, Dans Rivulet and Alberton Goldfields are within a north-northwest structural zone defined here by faults F6 and F9/F10. The gold mines/prospects are grossly aligned at $\sim 345^\circ$ ie obliquely to the trend of the interpreted structural zone. The Tower Hill goldfield is on the west margin of this zone.

The Mangana Goldfield is interpreted to be within a separate, parallel, structural zone defined here by faults F4 and F5.

Within the Mathinna/Alberton zone the Mathinna mineralisation is located over the northern end of an ovoid magnetic 'low' (axis L1). This 'low' is bounded to the north by an east-southeast magnetic 'high' (the Z2 zone) which is flanked to the north by an east-southeast magnetic 'low' (axis L2). The Alberton mineralisation is more or less over the axis of a near north trending magnetic 'low' (axis L4). The sources of these magnetic 'lows' are not clear but they may represent alteration zones within or beneath the Mathinna Beds.

The Mangana Goldfield and Alberton Goldfield are over inferred 'deep' granodiorites. Similar rocks are inferred beneath the f_2 axis west of Mathinna. This axis more or less coincides with favourable stratigraphy outlined by Keele. This stratigraphic unit was interpreted (Keele) to be the Mathinna unit sinistrally offset by a northeast transfer fault - the latter is not evident in the magnetic data.

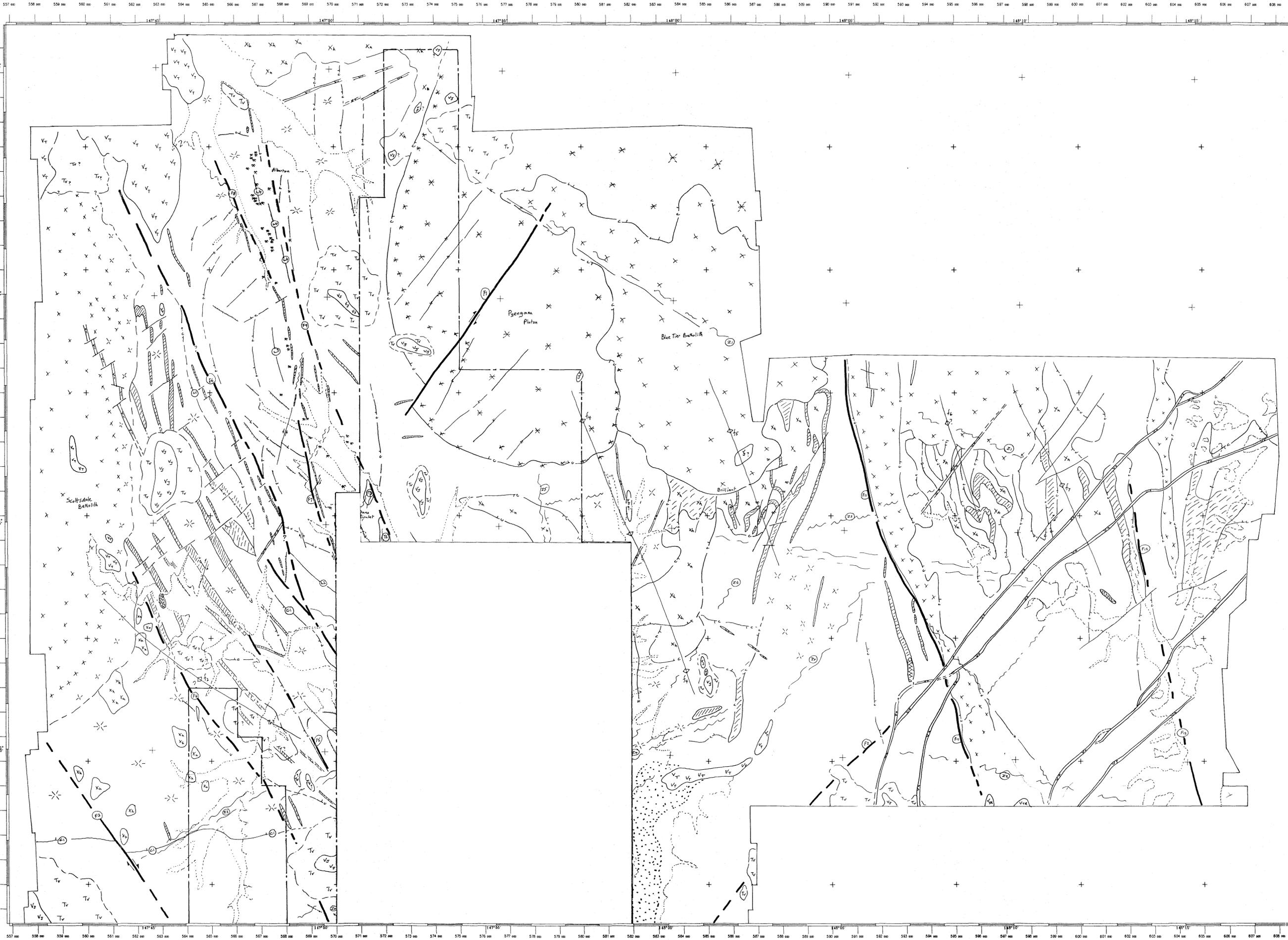
In detail, at Mathinna, there is some evidence for a dextral north-northwest fault (F13), along strike, to the south-southeast of the Golden Gate deposit. This is inferred to extend to the north into the Dans Rivulet Goldfield where it merges with F9. Assuming that north-northeast secondary structures are dilational (Reidel faults) then target zones T1 - T3 can be defined where such structures intersect F13/F9. A dextral north-northeast fault is interpreted 1km to the northwest of Golden Gate; a target zone (T4) is outlined along the presumed extension of this fault beneath the alluvium.

A similar fault is well defined in the Tower Hill area thus defining target zone T5. To the south-southeast similar targets (T6 - T8) are outlined.

In the Mangana area specific targets are not defined since specific dilation zones have not been recognised. The vein direction here is dominantly north-northwest and a general zone of interest extends to the north and south adjacent to fault F5. A similar general zone of interest is adjacent to fault F4; a specific target (T9) is outlined where a dextral secondary fault is interpreted.

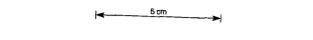
A structural setting, somewhat similar to that in the Brilliant area, occurs within the tenements over, or adjacent to, the f_8 fold axis west of Mathinna. The $f_8/Z3$ intersection is suggested as a more specific zone of interest.

If the ovoid magnetic 'low' (axis L1) is a component in the mineralising process then the southern end of the 'low' is considered to be a 'look alike' setting of the Mathinna area. Hence a general zone of interest T10 is postulated.



- LEGEND**
- Magnetic granitoid
 - Inferred 'magnetic' granitoid at depth
 - 'Non-magnetic' granitoid
 - Inferred 'non-magnetic' granitoid at depth
 - Magnetic lithologies in sediments
 - Very weakly magnetic units in sediments
 - Inferred hornfelsed sediments
 - Discrete magnetic 'high' in sediments
 - Jurassic volcanics
 - Tertiary volcanics
 - Volcanics in talus deposits
 - Inferred dyke (magnetic low)
 - " " " high
 - Axis of magnetic low
 - " " " high (over topo. ridge)
 - 'Magnetic contact' (relatively more magnetic on hatched side)
 - Inferred fold axis
 - Interpreted major fault/shear zones
 - " " " minor/secondary faults
 - 'Vague' faults/deformation zones (from imaged data)
 - Fractures in granitoid
 - Drainage channel/flood plain
 - Gold mines
 - Major gold mine
 - Tenement boundary
 - Target zones

PROCESSING DETAILS
 Processing: Southern Geoscience
 Supervision: J. Ashley

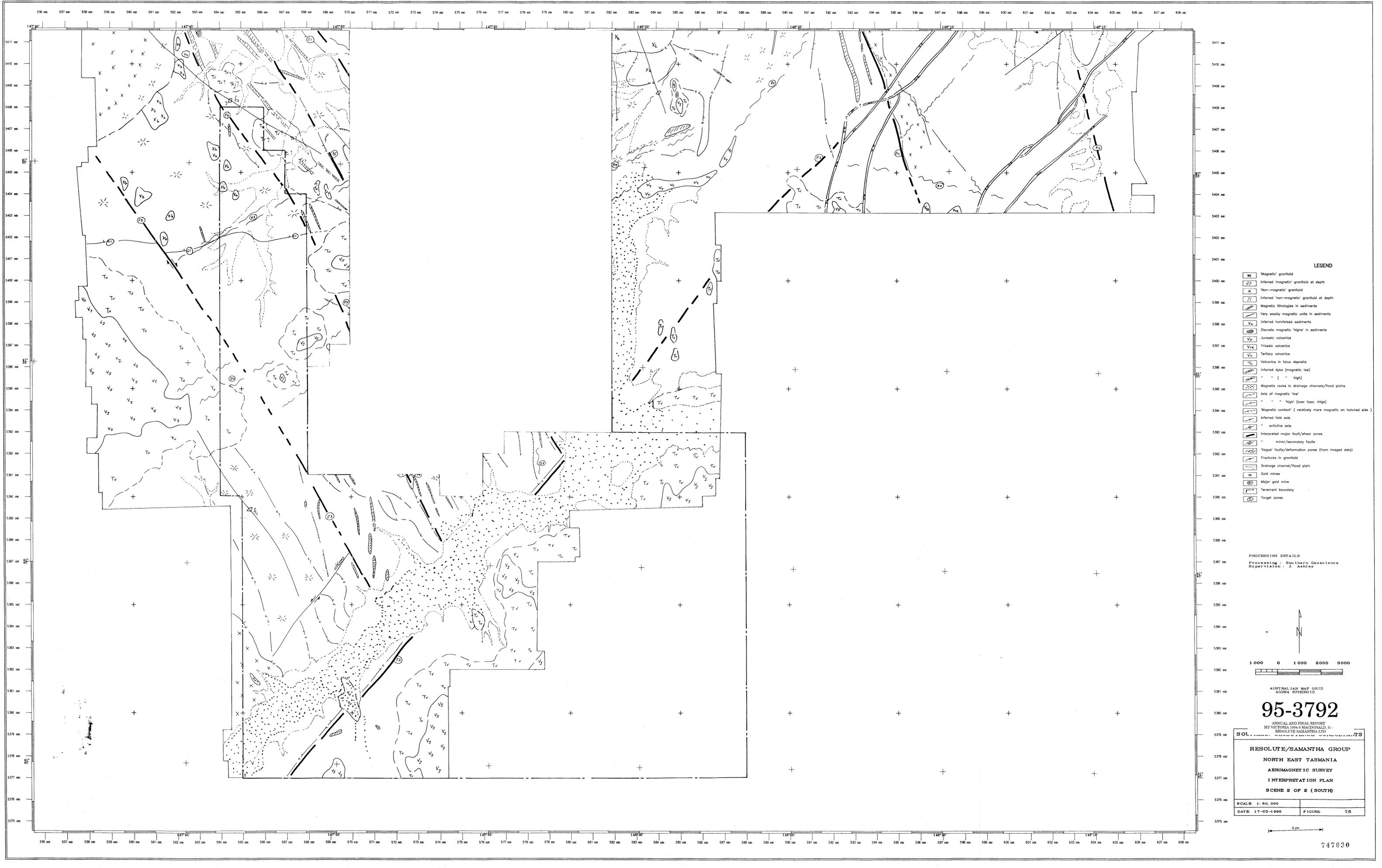


AUSTRALIAN MAP GRID
 AGD84 SPHEROID
 SOUTHERN HEMISPHERE

95-3792
 ANNUAL AND FINAL REPORT
 MT VICTORIA 1964-5 MACDONALD, G.
 RESOLUTE SAMANTHA LTD

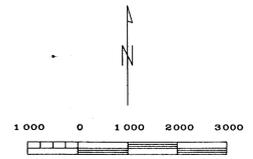
RESOLUTE/SAMANTHA GROUP
 NORTH EAST TASMANIA
 AEROMAGNETIC SURVEY
 INTERPRETATION PLAN
 SCENE 1 OF 2 (NORTH)

SCALE 1:60,000
 DATE 17-03-1995
 FIGURE 2A

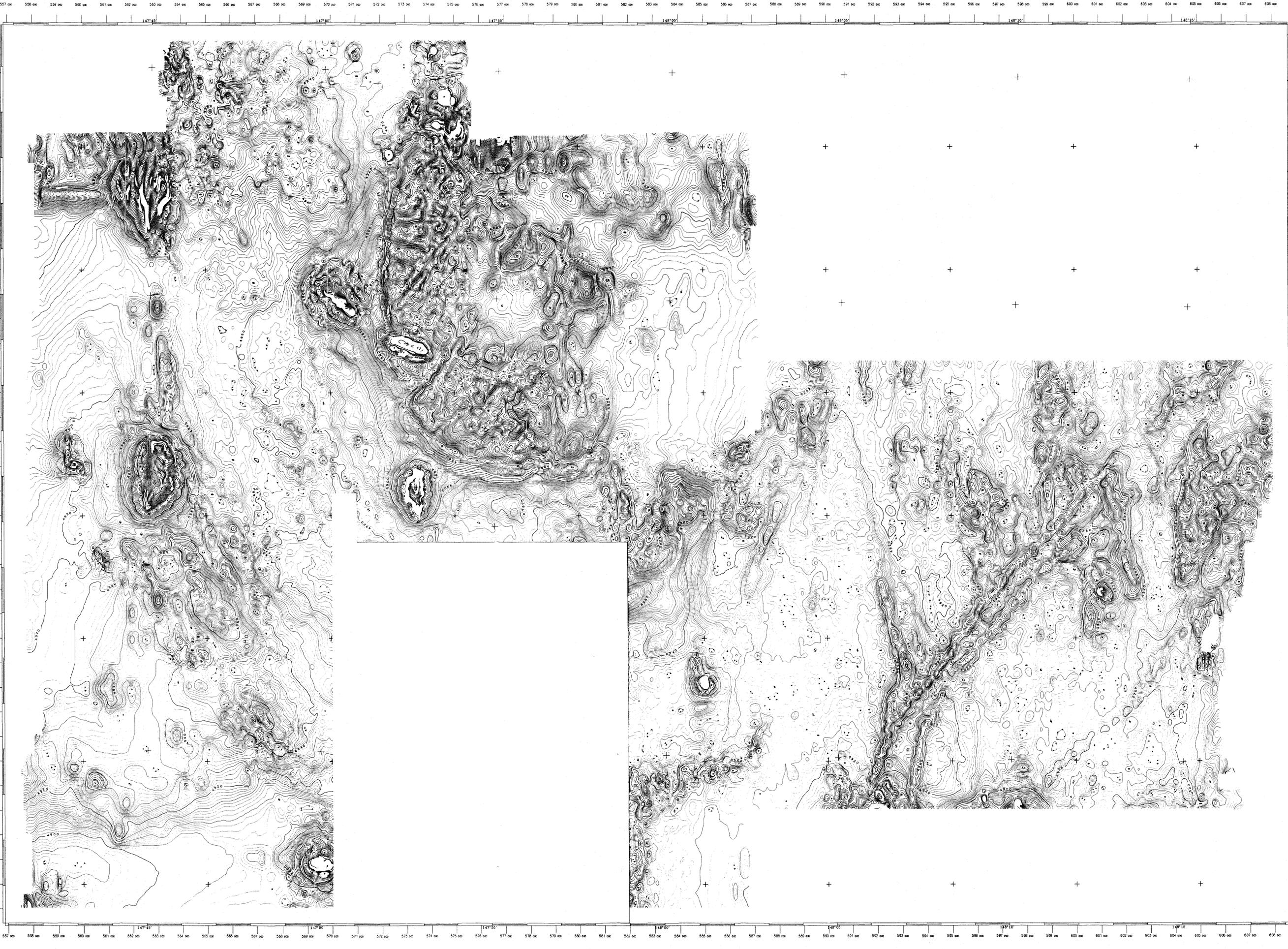


- LEGEND**
- "Magnetic" granulite
 - Inferred "magnetic" granulite at depth
 - "Non-magnetic" granulite
 - Inferred "non-magnetic" granulite at depth
 - Magnetic lithologies in sediments
 - Very weakly magnetic units in sediments
 - Inferred hornfelsed sediments
 - Discrete magnetic 'high' in sediments
 - Jurassic volcanics
 - Tertiary volcanics
 - Volcanics in talus deposits
 - Inferred dyke (magnetic low)
 - " " (" high)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)
 - " " (" high) (over topo. ridge)

PROCESSING DETAILS
 Processing : Southern Geoscience
 Supervision : J. Ashley

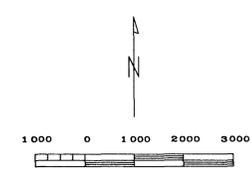


AUSTRALIAN MAP GRID
 AGD84 SPHEROID
95-3792
 ANNUAL AND FINAL REPORT
 MT VICTORIA 1004-6 MACKENZIE G.
 RESOLUTE/SAMANTHA LTD
SOUTHERN GEOSCIENCE CONSULTANTS
RESOLUTE/SAMANTHA GROUP
NORTH EAST TASMANIA
AEROMAGNETIC SURVEY
INTERPRETATION PLAN
SCENE 2 OF 2 (SOUTH)
 SCALE 1:50,000
 DATE 17-03-1995 FIGURE 2.5



PROCESSING DETAILS
 Processing : Southern Geoscience
 Supervision : J. Ashley

PLOT SPECIFICATIONS
 Contours :
 Lower Level : 1 nT
 Middle Level : 5 nT
 Upper Level : 20 nT
 Grid Cell Size : 50mE x 50mN



AUSTRALIAN MAP GRID
 AGDA4 SPHEROID
 SOUTHERN HEMISPHERE

95-3792

ANNUAL AND FINAL REPORT
 MT VICTORIA 1994/5 MACDONALD, G-
 RESOLUTE/SAMANTHA LTD

RESOLUTE/SAMANTHA GROUP
 NORTH EAST TASMANIA
 AEROMAGNETIC SURVEY
 CONTOURS OF TOTAL MAGNETIC INTENSITY
 SCENE 1 OF 2 (NORTH)

SCALE 1:50,000	FIGURE 3A
DATE 17-03-1995	



747033

APPENDIX B

**STREAM SEDIMENT SAMPLE
LOCATION DESCRIPTIONS AND ASSAY RESULTS
Grant MacDonald**

RESOLUTE RESOURCES LIMITED - STREAM BLEG SAMPLE

LOCATION / SITE DESCRIPTION / ASSAYS

SAMPLE NO.	AMG CO-ORDINATES		SAMPLE SITE DESCRIPTION	ASSAYS - Au ppb, all other in ppm						
	NORTHING	EASTING		Au	As	Ag	Sb	Cu	Pb	Zn
379378	5414380	574760	dry creek bed, 0° gradient, 3m wide, flat banks, dry sclerophyll, boulder strewn	13.0	<10	<0.5	<2	10	15	80
379379	5415280	574810	dry creek bed, 0° gradient, 1.5m wide, flat banks, dry sclerophyll, minor quartz in stream bed load.	6.60	<10	<0.5	<2	5	15	30
379380	5415745	575505	dry creek bed, 0°-5° gradient, 3m wide, steep banks, pine plantation, minor quartz in stream bed load.	6.88	20	<0.5	<2	15	30	90
379381	5415880	575935	dry creek bed, 20° gradient, 4m wide, gradual banks, dry sclerophyll, minor quartz in bedload.	8.43	<10	<0.5	<2	20	20	60
379382	5415450	575230	dry creek bed, 0°-5° gradient, 6m wide, gradual banks, pine plantation, minor quartz in bedload.	6.57	10	<0.5	<2	10	20	85
379383	5414080	574050	dry creek bed, 0° gradient, 2m wide, gradual banks, wet sclerophyll, minor quartz in bedload.	2.77	<10	<0.5	<2	20	15	105
379384	5414020	574030	dry creek bed, 0° gradient, 1.5m wide, gradual banks, dry sclerophyll, minor quartz in bedload.	1.38	<10	<0.5	<2	10	15	45
379385	5414070	579870	dry creek bed, 0° gradient, 30m wide, flat banks, dry ferny sclerophyll, trace quartz in bedload	2.10	<10	<0.5	<2	10	15	50
379386	5414470	579920	dry creek bed, 0° gradient, 4m wide, gradual banks, dry sclerophyll, minor quartz in bedload.	3.15	<10	<0.5	<2	10	15	55

747034

RESOLUTE RESOURCES LIMITED - STREAM BLEG SAMPLE

LOCATION / SITE DESCRIPTION / ASSAYS

SAMPLE NO	AMG CO-ORDINATES		SAMPLE SITE DESCRIPTION	ASSAYS - Au ppb, all other in ppm						
	NORTHING	EASTING		Au	As	Ag	Sb	Cu	Pb	Zn
380676	5415980	575625	dry creek bed, 0°-5° gradient, 4m wide, boulder strewn, steep banks, dry sclerophyll, abundant quartz in creek load.	4	<10	<0.5	<2	10	15	85
380677	5416000	575925	dry creek bed - damp sample, 10°-20° gradient, 4m wide, steep banks, dry sclerophyll, minor quartz in bed load.	9	<10	<0.5	<2	5	10	100
380678	5415665	575655	dry creek bed, 5°-10° gradient, 2m wide, steep banks, dry sclerophyll, minor quartz.	11	20	<0.5	<2	15	25	95
380679	5415285	575545	dry creek bed, 0°-5° gradient, 2m wide, steep banks, dry sclerophyll, abundant quartz in creek load.	<1	<10	<0.5	5	10	25	75
380680	5414230	575310	dry creek bed, 0°-5° gradient, 3m wide initially, steep then gradual banks, dry sclerophyll, minor quartz in bed load.	1	<10	<0.5	<2	10	10	80
380681	5414400	575310	dry creek bed, 0°-5° gradient, 5m wide, steep then gradual banks, dry sclerophyll, minor quartz in bed load.	3	10	<0.5	5	10	15	95
380682	5416490	575870	wet (running) creek, 0°-5° gradient, 2m wide, moderate banks, dry sclerophyll, trace quartz in bed load.	7	<10	<0.5	<2	<5	10	50
380683	5416580	575870	wet (running) creek, 0°-5° gradient, 4m wide, moderate banks, dry sclerophyll, trace quartz in bed load.	3	<10	<0.5	<2	<5	150	10
380684	5415980	571510	wet (running) creek, 0° gradient, 4m wide, flat banks, dog load - manure, trace quartz in bed load.	5	<10	<0.5	<2	<5	95	<5

747035

APPENDIX C

STREAM SEDIMENT SAMPLE ASSAY RESULTS

Minlab

18A Denninup Way
MALAGA WA 6062
Tel: (09) 249 5277
Fax: (09) 249 5323

257A Forrest Street
KALGOORLIE WA 6430
Tel: (090) 21 5664
Fax: (090) 91 2200

Lot 484 Criddle St
MT MAGNET WA 6638
Tel: (099) 634 532
Fax: (099) 634 531

ANALYTICAL REPORT

Reference No: P60654

Date: 09 MAY 95

Samples Received: 26 APR 95
Order Number : K9420B
Project Number : N/A
Samples in Batch: 22

THIS REPORT HAS BEEN PREPARED FOR

RESOLUTE RESOURCES LIMITED

AND SHOULD BE READ IN CONJUNCTION WITH THE FINAL PAGE

Authorised by:


(A.J. Ferguson)

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

Au 24hr
ppb

Detn Limit	0.05
379378	13.0
379379	6.60
379380	6.88
379381	8.43
379382	6.57
379383	2.77
379384	1.38
379385	2.10
379386	3.15
379387	
379388	
379389	
379390	
379391	
379392	
379393	
379394	
379395	
379396	
379397	
379398	
379399	

Reference No: P60654

ATTN: G McDONALD

Page: 2

Au 24hr,
Determined by cyanide leaching on bulk sample

END OF REPORT

MinLab

MINICULTURE LABORATORIES PTY LTD ACN 008 960 174 TRUSTEE FOR THE MINLAB UNIT TRUST TRADING AS MINLAB

18A Denninup Way
MALAGA WA 6062
Tel: (09) 249 5277
Fax: (09) 249 5323

257A Forrest Street
KALGOORLIE WA 6430
Tel: (090) 21 5664
Fax: (090) 91 2200

Lot 484 Criddle St
MT MAGNET WA 6638
Tel: (099) 634 532
Fax: (099) 634 531

ANALYTICAL REPORT

Reference No: P61139

Date: 20 JUN 95

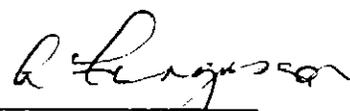
Samples Received: 12 JUN 95
Order Number :
Submission Sheet: N/A
Project Number : N/A
Samples in Batch: 73

THIS REPORT HAS BEEN PREPARED FOR

THE RESOLUTE SAMANTHA GROUP

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Authorised by:


(A.J. Ferguson)

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

	Ag ppm	Cu ppm	Pb ppm	Sb ppm	Zn ppm
Detn Limit	0.5	5	5	2	5
379501					
379503					
379507					
379507 Rpt					
379509					
379510					
379510 Rpt					
379511					
379512					
379513					
379378	<0.5	10	15	<2	80
379379	<0.5	5	15	<2	30
379380	<0.5	15	30	<2	90
379381	<0.5	20	20	<2	60
379382	<0.5	10	20	<2	85
379383	<0.5	20	15	<2	105
379384	<0.5	10	15	<2	45
379385	<0.5	10	15	<2	50
379386	<0.5	10	15	<2	55
379387					
379387 Rpt					
379388					
379389					
379390					
379391					
379392					
379393					
379394					
379395					
379396					
379397					
379397 Rpt					
379398					
379399					
379399 Rpt					
379425					
379426					
379427					
379428					
379429					
379430					
379430 Rpt					
379431					
379432					
379433					
379434					
379435					
379436					
379437					
379437 Rpt					
379438					
379439					

Reference No: P61139

ATTN: G McDONALD

Page: 3

Ag, Cu, Pb, Sb, Zn,
Technique - AAS

END OF REPORT

MinLab

747044

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18A Denninup Way
MALAGA WA 6062
Tel: (09) 249 5277
Fax: (09) 249 5323

257A Forrest Street
KALGOORLIE WA 6430
Tel: (090) 21 5664
Fax: (090) 91 2200

Lot 484 Criddle St
MT MAGNET WA 6638
Tel: (099) 634 532
Fax: (099) 634 531

ANALYTICAL REPORT

Reference No: P61197

Date: 27 JUN 95

Samples Received: 26 JUN 95
Order Number : N/A
Submission Sheet: N/A
Project Number : N/A
Samples in Batch: 65

THIS REPORT HAS BEEN PREPARED FOR

PART K09420
" K09421
" K09422

THE RESOLUTE SAMANTHA GROUP

AND SHOULD BE READ IN CONJUNCTION WITH THE FINAL PAGE

Authorised by:


(A.J. Ferguson)

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

As
ppm

Detn Limit	As ppm
	10
379378	<10
379378 Rpt	<10
379379	<10
379380	20
379381	<10
379382	10
379383	<10
379384	<10
379385	<10
379386	<10
379386 Rpt	<10
379387	
379388	
379389	
379390	
379391	
379392	
379393	
379394	
379395	
379396	
379396 Rpt	
379397	
379398	
379399	
379425	
379426	
379427	
379428	
379428 Rpt	
379429	
379430	
379431	
379432	
379432 Rpt	
379433	
379434	
379435	
379436	
379437	
379438	
379439	
379440	
379441	
379441 Rpt	
379442	
379443	
379488	
379489	
379490	
379490 Rpt	
379491	

Reference No: P61197

ATTN: G McDONALD

Page: 3

As,
Technique - AAS

END OF REPORT

MinLab

747047

MINCULTURE LABORATORIES PTY LTD ACN 008 880 174 TRUSTEE FOR THE MINLAB UNIT TRUST TRADING AS MINLAB

18A Denninup Way
MALAGA WA 6062
Tel: (09) 249 5277
Fax: (09) 249 5323

257A Forrest Street
KALGOORLIE WA 6430
Tel: (090) 21 5664
Fax: (090) 91 2200

Lot 484 Criddle St
MT MAGNET WA 6638
Tel: (099) 634 532
Fax: (099) 634 531

ANALYTICAL REPORT

Reference No: P61201

Date: 07 JUL 95

Samples Received: 27 JUN 95
Order Number : K9423A
Submission Sheet: N/A
Project Number : N/A
Samples in Batch: 11

THIS REPORT HAS BEEN PREPARED FOR

THE RESOLUTE SAMANTHA GROUP

AND SHOULD BE READ IN CONJUNCTION WITH THE FINAL PAGE

Authorised by:


(A.J. Ferguson)

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

Reference No: P61201

ATTN: G McDONALD

Page: 1

	Au 24hr ppb	As ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Sb ppm
Detn Limit	1	10	0.5	5	5	5	2
380676	4	<10	<0.5	10	15	85	<2
380677	9	<10	<0.5	5	10	100	<2
380678	11	20	<0.5	15	25	95	<2
380679	<1	<10	<0.5	10	25	75	5
380680	1	<10	<0.5	10	10	80	<2
380681	3	10	<0.5	10	15	95	5
380682	7	<10	<0.5	<5	10	50	<2
380683	3	<10	<0.5	<5	150	10	<2
380683 Rpt		<10	<0.5	<5	95	<5	<2
380684	5	<10	<0.5	<5	5	70	<2
380685	5	<10	<0.5	<5	5	50	<2
380686	<1	<10	<0.5	5	10	75	<2

Reference No: P61201

ATTN: G McDONALD

Page: 2

Au 24hr,
Determined by cyanide leaching on bulk sample

As, Ag, Cu, Pb, Zn, Sb,
Technique - AAS

END OF REPORT

APPENDIX D

ROCK CHIP SAMPLE DESCRIPTIONS AND ASSAY RESULTS
Grant MacDonald

RESOLUTE RESOURCES LIMITED - ROCK SAMPLE

LOCATION / DESCRIPTION / ASSAYS

SAMPLE NO.	SAMPLE LOCATION AMG CO-ORDS OR DESCRIPTIONS	SAMPLE DESCRIPTION	ASSAYS - Fe in %, all other in ppm													
			Au	As	Ag	Sb	Cu	Pb	Zn	Bi	W	Fe	Mn			
380708	5415660mN, 576125mE	siltstone with 3mm stockwork quartz vein - float.	0.01	<10												
380709	5415720mN, 575965mE	10mm quartz vein material in sample hole for soil sample № 380701	0.06	<10												
380711	5415725mN, 575930mE	hornfelsed siltstone float.	0.01	<10												
380712	5415735mN, 575910mE	quartz vein, vitreous - float	0.01	<10												
380713	5415750mN, 575870mE	siltstone with 2mm stockwork quartz veining - float	0.02	<10												
380714	5415740mN, 575870mE	siltstone with 2mm stockwork quartz veining - float	0.01	<10												
380715	5415760mN, 575825mE	siltstone with 2mm stockwork quartz veining - float	0.02	<10												
380716	5415810mN, 575655mE	siltstone with 2mm stockwork quartz veining - float	0.02	<10												
380717	5415745mN, 575510mE	hornfelsed siltstone - stream bed load	<0.01	<10												
380801	5414020mN, 579980mE	strongly hornfelsed siltstone - stream bed load.	0.004	<10												
380802	5414020mN, 579980mE	strongly hornfelsed siltstone - stream bed load.	0.004	<10												
380803	5414020mN, 579980mE	strongly hornfelsed siltstone - stream bed load.	0.002	<10												
380804	5414000mN, 579990mE	strongly hornfelsed siltstone - stream bed load.	0.004	<10												
380805	5414000mN, 579990mE	strongly hornfelsed siltstone - stream bed load.	0.010	<10												
380806	5414000mN, 579990mE	strongly hornfelsed siltstone - stream bed load.	0.002	<10												
380807	5415980mN, 575620mE	strongly hornfelsed siltstone - stream bed load	0.004	<10												
380808	5415980mN, 575620mE	strongly hornfelsed siltstone - stream bed load	0.004	<10												

APPENDIX E

ROCK CHIP SAMPLE ASSAY RESULTS

Minlab

18A Denninup Way
MALAGA WA 6062
Tel: (09) 249 5277
Fax: (09) 249 5323

257A Forrest Street
KALGOORLIE WA 6430
Tel: (090) 21 5664
Fax: (090) 91 2200

Lot 484 Criddle St
MT MAGNET WA 6638
Tel: (099) 634 532
Fax: (099) 634 531

ANALYTICAL REPORT

Reference No: P61450

Date: 22 AUG 95

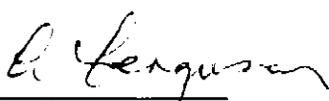
Samples Received: 14 AUG 95
Order Number : K9424C
Submission Sheet: K9424C
Project Number : TAS
Samples in Batch: 47

THIS REPORT HAS BEEN PREPARED FOR

THE RESOLUTE SAMANTHA GROUP

AND SHOULD BE READ IN CONJUNCTION WITH THE FINAL PAGE

Authorised by:


A.J. Ferguson

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

	Au ppm	Au(R1) ppm	Au(R2) ppm	As ppm
Detn Limit	0.01	0.01	0.01	10
380708	0.01			<10
380709	0.06			<10
380710	Sample definitely not received			
380711	0.01			<10
380712	0.01			<10
380713	0.02			<10
380714	0.01			<10
380715	0.02			<10
380716	0.02			<10
380717	<0.01			<10
380717 Rpt	0.01			<10
380718				
380719				
380719 Rpt				
380720				
380721				
380855				
380856				
380857				
380858				
380859				
380860				
380860 Rpt				
380861				
380862				
380863				
380864				
380865				
380866				
380866 Rpt				
380867				
380868				
380869				
380870				
380871				
380871 Rpt				
380872				
380873				
380874				
380875				
380876				
380877				
380878				
380879				
380880				
380880 Rpt				
380881				
380882				
380883				
380884				
380885				
380886				

	Au ppm	Au(R1) ppm	Au(R2) ppm	As ppm
--	-----------	---------------	---------------	-----------

Detn Limit 0.01 0.01 0.01 10

380886 Rpt
380887
380888

Reference No: P61450

ATTN: G McDONALD

Page: 3

Au, Au(R1), Au(R2),
Technique - Fire Assay on a 50 gram charge

As,
Technique - AAS

END OF REPORT

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ANALYTICAL REPORT

Reference No: P61748

Date: 10 OCT 95

Samples Received: 03 OCT 95
Order Number : K9431
Submission Sheet: K9431
Project Number : TAS
Samples in Batch: 54

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Authorised by:


A.J. Ferguson

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

	Au ppb	Au(R1) ppb	Au(R2) ppb	As ppm
Detn Limit	1	1	1	10
380770				
380771				
380772				
380773				
380774				
380775				
380776				
380777				
380778				
380779				
380779 Rpt				
380780				
380781				
380782				
380783				
380784				
380785				
380786				
380787				
380787 Rpt				
380788				
380789				
380790				
380791				
380792				
380793				
380794				
380794 Rpt				
380795				
380796				
380797				
380798				
380798 Rpt				
380799				
380801	4			<10
380802	4			<10
380803	2			<10
380804	4			<10
380805	10			<10
380806	2			<10
380807	4			<10
380808	4			<10
380809	2			<10
380810	6			<10
380811	4			<10
380812	8			<10
380813	<1			<10
380814	<1			<10
380815	<1			<10
380816				
381551				
381552				

	Au ppb	Au(R1) ppb	Au(R2) ppb	As ppm
--	-----------	---------------	---------------	-----------

Detn Limit 1 1 1 10

381552 Rpt
381553
381554
381555
381556
381557
381557 Rpt
381558

Reference No: P61748

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Page: 3

M Implies this result reported in ppm

Au, Au(R1), Au(R2),
Technique - Fire Assay on a 50 gram charge followed by solvent extraction

As,
Technique - AAS

END OF REPORT

APPENDIX F

SOIL SAMPLE ASSAY RESULTS

Minlab

MinLab

747063

MINICULTURE LABORATORIES PTY LTD ACN 008 860 174 TRUSTEE FOR THE MINLAB UNIT TRUST TRADING AS MINLAB

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ANALYTICAL REPORT

Reference No: P61449

Date: 22 AUG 95

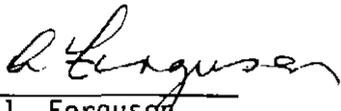
Samples Received: 14 AUG 95
Order Number : K9424B
Submission Sheet: K9424B
Project Number : TAS
Samples in Batch: 15

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Authorised by:


A.J. Ferguson

ATTN: G McDONALD
THE RESOLUTE SAMANTHA GROUP
MANGANA RD
FINGAL TAS 7214

	Au ppb	Au(R1) ppb	Au(R2) ppb	As ppm
Detn Limit	1	1	1	10
380693	8	4	4	<10
380694	8			<10
380695	2			10
380695 Rpt	4			10
380696	2			<10
380697	2			30
380698	2			<10
380699	2			<10
380700	10	10	10	20
380701	6			<10
380702	10			<10
380702 Rpt	4			<10
380703	4			20
380704	2			<10
380705	2			<10
380706	4			<10
380707	2			<10

Reference No: P61449

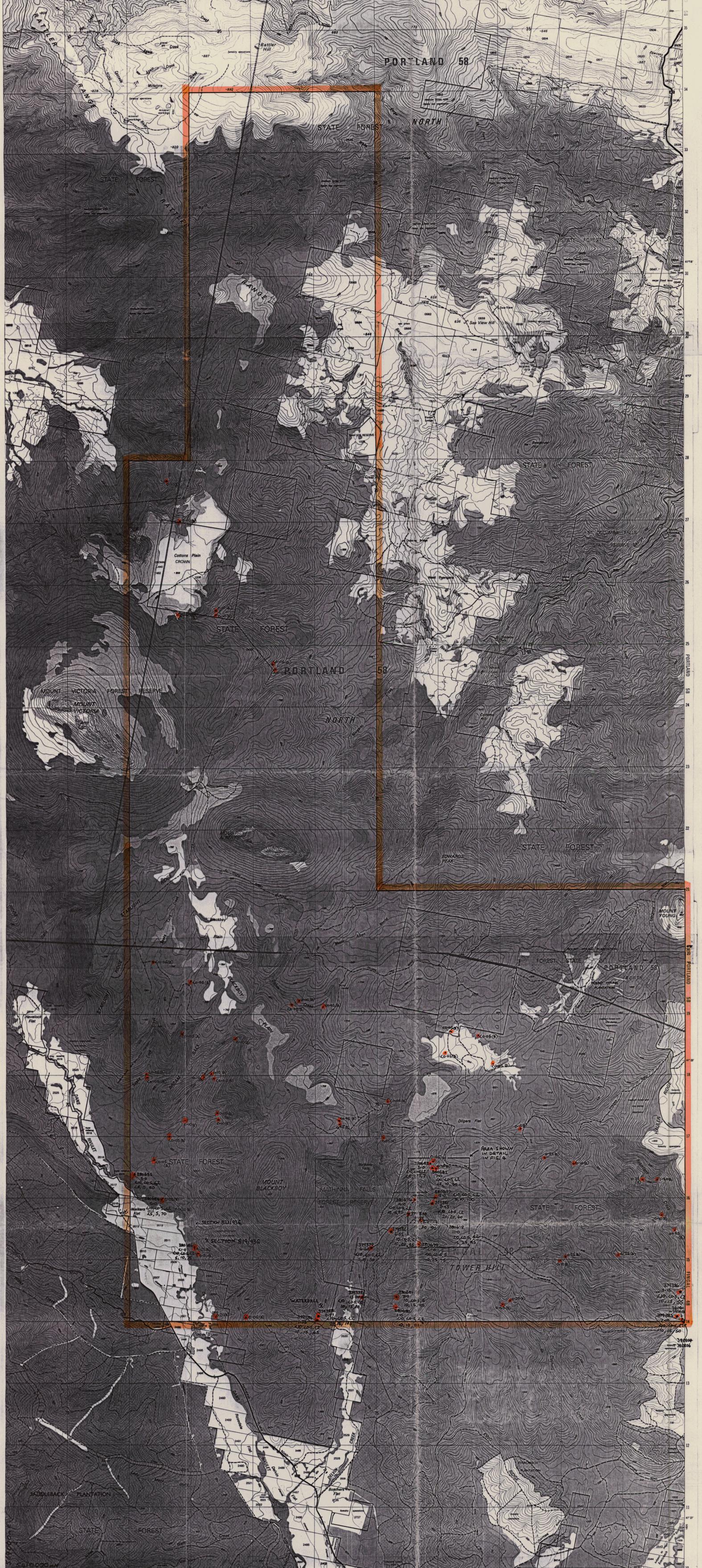
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Page: 2

Au, Au(R1), Au(R2),
Technique - Fire Assay on a 50 gram charge followed by solvent extraction

As,
Technique - AAS

END OF REPORT



PROJECTION: Universal Transverse Mercator (UTM)
 HORIZONTAL DATUM: Australian Geospatial Datum 1988
 VERTICAL DATUM: Australian Height Datum (Terrestrial) excepting offshore islands whose datum is mean sea level
 GRID: 1000 metre intervals of the Universal Transverse Mercator Grid, Zone 58 (Australian Map Grid, Australian National System). Grid values are shown in full at the south west corner of the map.
 CONTOUR INTERVAL: 10 metres with 50 metres below contours.
 WORLD GEODETIC SYSTEM 1972: To convert co-ordinates from this datum to Australian Geospatial Datum 1988, increase the value of longitude by 47', equivalent to 86 metres, and decrease the value of latitude by 27' metres.
 MAGNETIC VARIATION: True, Grid and Magnetic North are shown diagrammatically for the centre of the map. Magnetic North is correct for 1988 and moves southward about 0.1" every two years.



KEY

STREAM BLEB SAMPLE LOCATION • 38086
 BILLITON STREAM BLEB SAMPLE LOCATION • 38086a
 ROCK SAMPLE LOCATION x 380804
 E.L. BOUNDARY ————

SAMPLE NUMBER
 An (BEG, pb)
 A1, A2, A3 (pp)
 C1, P1, B1 (pp)

5 cm

74700695-3792

RESOLUTE RESOURCES LIMITED

EL 26/94
 STREAM SEDIMENT
 SAMPLE LOCATIONS/ RESULTS

AUTHOR:	SCALE: 1:5000	PLAN NO:
DRAWN: COORDINATED	DATE: FEB 93	Figure 5