Zelos Resources NL

EL 38/2004 Mt Sorell

Year 1 Annual Report

For the period 1 July 2005 to 1 March 2006

28th November 2006

W M Harder

Zelos Resources NL
ABN 12 109 660 497
Level 3 2 Bligh Street
Sydney NSW 2000
Ph +61 2 9223 5999
Fx +61 2 9223 5155

SUMMARY

In the first year of tenure, exploration has focussed upon data compilation and the review of previous exploration; the engagement of a geophysical consultant to review all existing data; the re-establishment and infill of an existing grid over previously defined zinc anomalism and the 'ground truthing' of airborne electromagnetic anomalies.

The geophysics interpretation eliminated the conductive point source anomaly, high up on the flanks of Mt Sorell. No bedrock conductor is likely and it has been shown to be a calibration error with the instrumentation. This geophysics report also provided no support for any shallow conductive body coincident with the zinc anomalism delineated by a previous soil geochemistry programme.

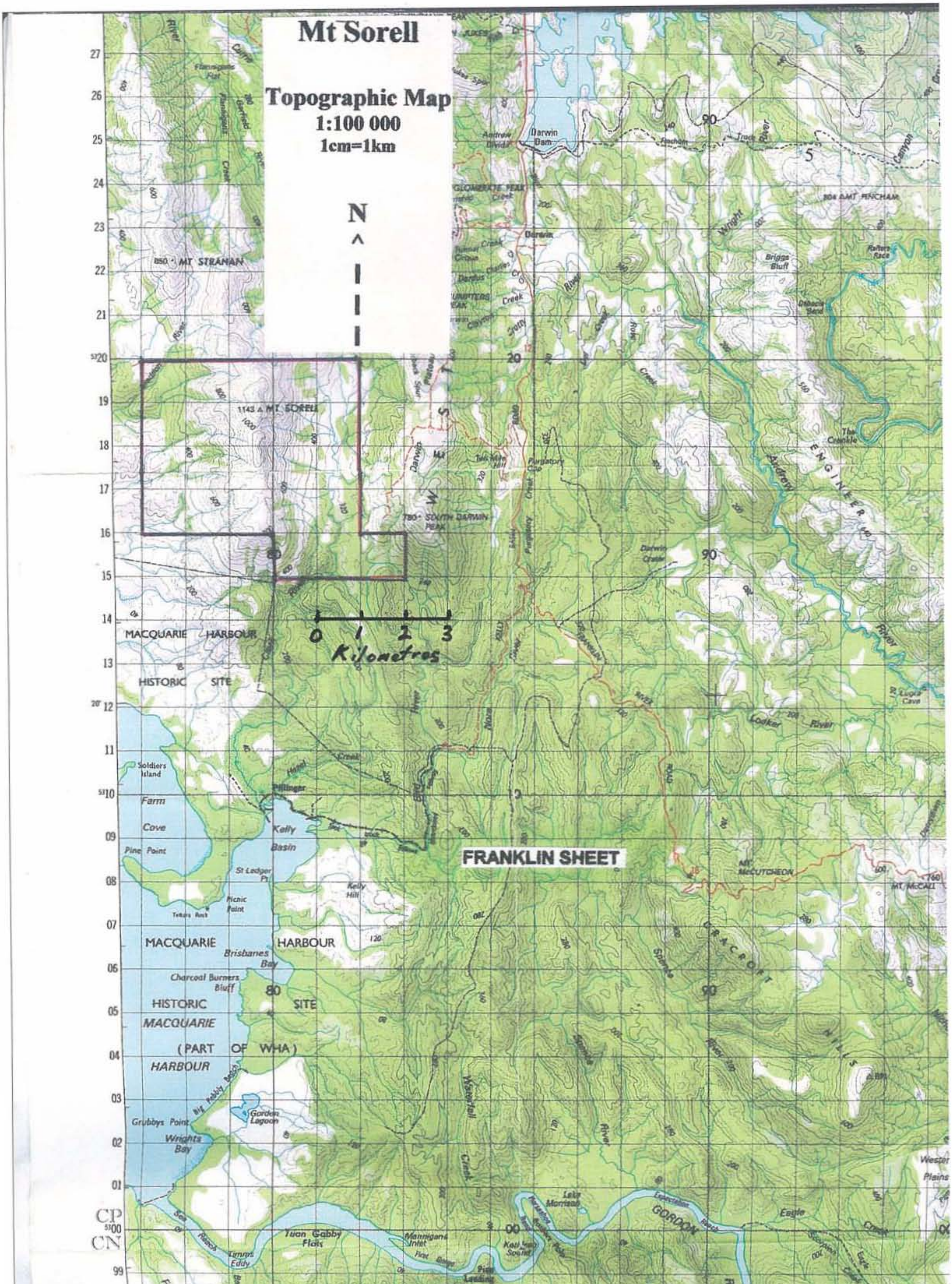
Geochemical stream and rock sampling in the environs of three discrete air borne EM anomalies returned poor results.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

LIST OF PHOTOS


Mt Sorell
Topographic Map
1:100 000
1cm=1km
N
0 1 2 3
Kilometres
1143 MT SORELL
850 MT STRANAN
780 SOUTH DARWIN PEAK
Darwin Dam
Darwin
MACQUARIE HARBOUR
HISTORIC SITE
Soldiers Island
Pillinger
Farm Cove
Kelly Basin
Pine Point
St Ledger Pt
Kelly Hill
Picnic Point
MACQUARIE HARBOUR
Brisbanes Bay
Charcoal Burners Bluff
HISTORIC SITE
MACQUARIE (PART OF WHA) HARBOUR
Gordon Lagoon
Grubbys Point
Wrights Bay
FRANKLIN SHEET
MT McCUTCHEON
MT McCALL
ENGINEER
Andrew River
Darwin Creek
Purgatory Creek
Briggs Bluff
The Crackle
Lake Morrison
GORDON
Eagle Creek
Marriganna Inlet
Tuan Gabby Flats
Limms Eddy
Sea Reach
CP
CN

1. INTRODUCTION

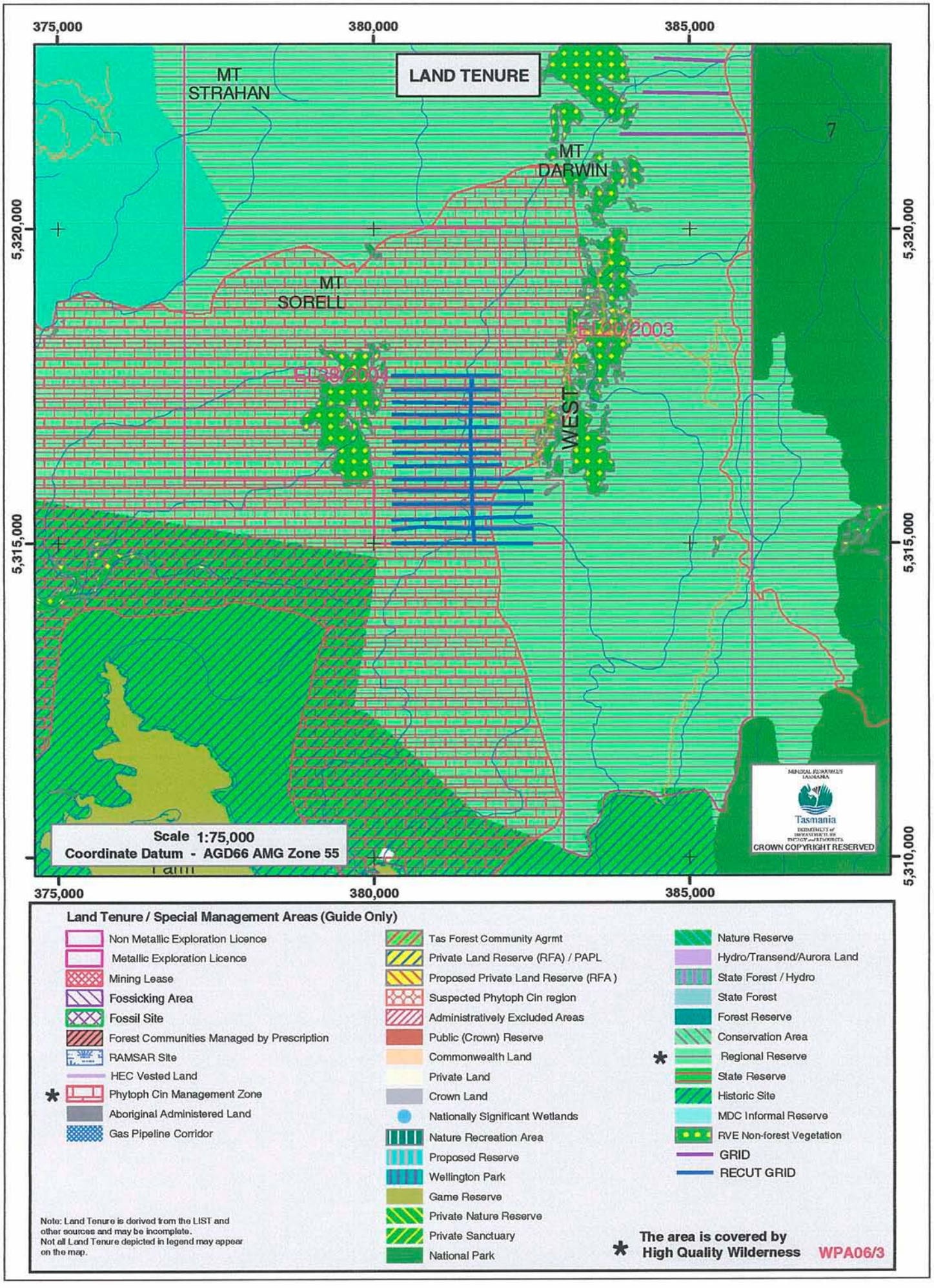
Zelos Resources NL holds the Mt Sorell property, in Western Tasmania, as EL 38/2004. The licence was granted on 1st March 2004 for a five year term.

The 23km square property is located 20 kilometres south of the Queenstown.

Approximately half of the tenement, that is the area east of Mt Sorell and centred on the Clarke Valley, is underlain by Cambrian rocks assigned to the Central Volcanic Complex and the 'Western Sequence' of the Mount Read Volcanics. This plus the overlying Tyndall Group are considered prospective for both base metals and gold.

The primary target has been the further delineation of an existing, but poorly defined, linear zone of zinc anomalism with similar geochemistry to the Hellyer VHMS deposit. The subsidiary target is the equivalent of the Lynchford Formation – a prospective horizon at the contact of the Western Sequence and Tyndall Group.

This First Annual Report summarises the results of exploration work completed on Exploration Licence 38/2004 – Mt Sorell – during the period 1st July 2005 to the 1st of March 2006.


LAND TENURE
MT STRAHAN
MT DARWIN
MT SORELL
WEST
EL20/2003
EL38/2004
7
375,000
380,000
385,000
5,320,000
5,315,000
5,310,000
Scale 1:75,000
Coordinate Datum - AGD66 AMG Zone 55
Tasmania
CROWN COPYRIGHT RESERVED
Land Tenure / Special Management Areas (Guide Only)
Non Metallic Exploration Licence
Metallic Exploration Licence
Mining Lease
Fossicking Area
Fossil Site
Forest Communities Managed by Prescription
RAMSAR Site
HEC Vested Land
* Phytoph Cin Management Zone
Aboriginal Administered Land
Gas Pipeline Corridor
Tas Forest Community Agrmt
Private Land Reserve (RFA) / PAPL
Proposed Private Land Reserve (RFA)
Suspected Phytoph Cin region
Administratively Excluded Areas
Public (Crown) Reserve
Commonwealth Land
Private Land
Crown Land
Nationally Significant Wetlands
Nature Recreation Area
Proposed Reserve
Wellington Park
Game Reserve
Private Nature Reserve
Private Sanctuary
National Park
Nature Reserve
Hydro/Transend/Aurora Land
State Forest / Hydro
State Forest
Forest Reserve
Conservation Area
* Regional Reserve
State Reserve
Historic Site
MDC Informal Reserve
RVE Non-forest Vegetation
GRID
RECUT GRID
Note: Land Tenure is derived from the LIST and other sources and may be incomplete. Not all Land Tenure depicted in legend may appear on the map.
* The area is covered by High Quality Wilderness
WPA06/3

2 REVIEW OF PREVIOUS WORK

The area has been subject to comprehensive and systematic modern exploration. It is readily apparent that the Garfield – Clarke valley area has been subject to methodical and thorough exploration for a period of nearly 20 years. Prior to the 1980's most exploration was focussed to the north where access was easier. The Mt Jukes road, as part of the King River Power scheme, provided the impetus for the recent work which culminated in the discovery of the Garfield resource which is an analogue of the Prince Lyell ore body. Previous explorers included Mount Lyell, BHP, EZ, and RGC.

As part of the exploration programme in the Garfield valley, BHP extended the grid southwards into the Clarke valley. The survey covered the Central Volcanic Complex felsic volcanics on the western side of the Mt Darwin ridge and the adjacent overlying Yolande River sequence correlates to the west. The entire grid, for a strike length of 10kms was mapped, rock sampled and subject to a UTEM survey. No conductors attributable to massive sulphides were noted. Any weak surficial signals were attributed to black shale units.

During the period 1990-1993, RGC conducted a substantial body of work, primarily drilling out the Garfield resource to the north of Slate Spur. Additional soil/rock geochemistry and grid based mapping was undertaken in the Clarke Valley however no drilling targets were delineated.

Aberfoyle became the tenement holders for a brief period in 1995, conducting a helimag survey of the Clarke valley. The survey defined a magnetic zone within the Central Volcanic Complex, trending north and south of the Clarke Fault. The helimag data was not processed beyond an initial assessment and is not reported upon by McNeil in his relinquishment report. Up until the Zelos application, there had been no further interpretation of this data. An 'In House' reconstruction by Aberfoyle of previous soil geochemistry conducted by RGC, defined an elongate zone of zinc anomalism. Similarly, this had not been reported upon in any MRT report.
Pers comm. Andrew McNeill-2006.

Aberfoyle- concluded:
"A review of previous mapping, soil geochemistry and IP data indicates that a 50-100m thick black shale unit is present at the base of the Western Sequence from 15600N to 17000N and marks the transition from felsic phyric to quartz-feldspar phyric volcanics. Five soil geochemical samples over a strike length of 1000m define a distinctive soil geochemical unit within this shale sequence. The five samples are characterised by high Fe2O3 (av.17.8%), Ti (8500ppm), P2O5 (90.4%), V (374ppm) and Co (30ppm). High Ti/Zr (32.9) and moderate P2O5/TiO2 (0.30) suggest this may be a geochemical SuiteII type andesite or basalt."- Lewis 1996. This zone was seen as a potential Hellyer analogue.

Mc Neill states that Aberfoyle management at the time gave the Tasmanian exploration office the choice of either working at Hellyer and Que River concentrating on the leases adjacent to their existing mines or in the Clarke valley. The proposed programme included additional line cutting to extend the BHP gridding, ground EM, and the use of 'whacker' sampling to penetrate the thick overlying soil mantle.

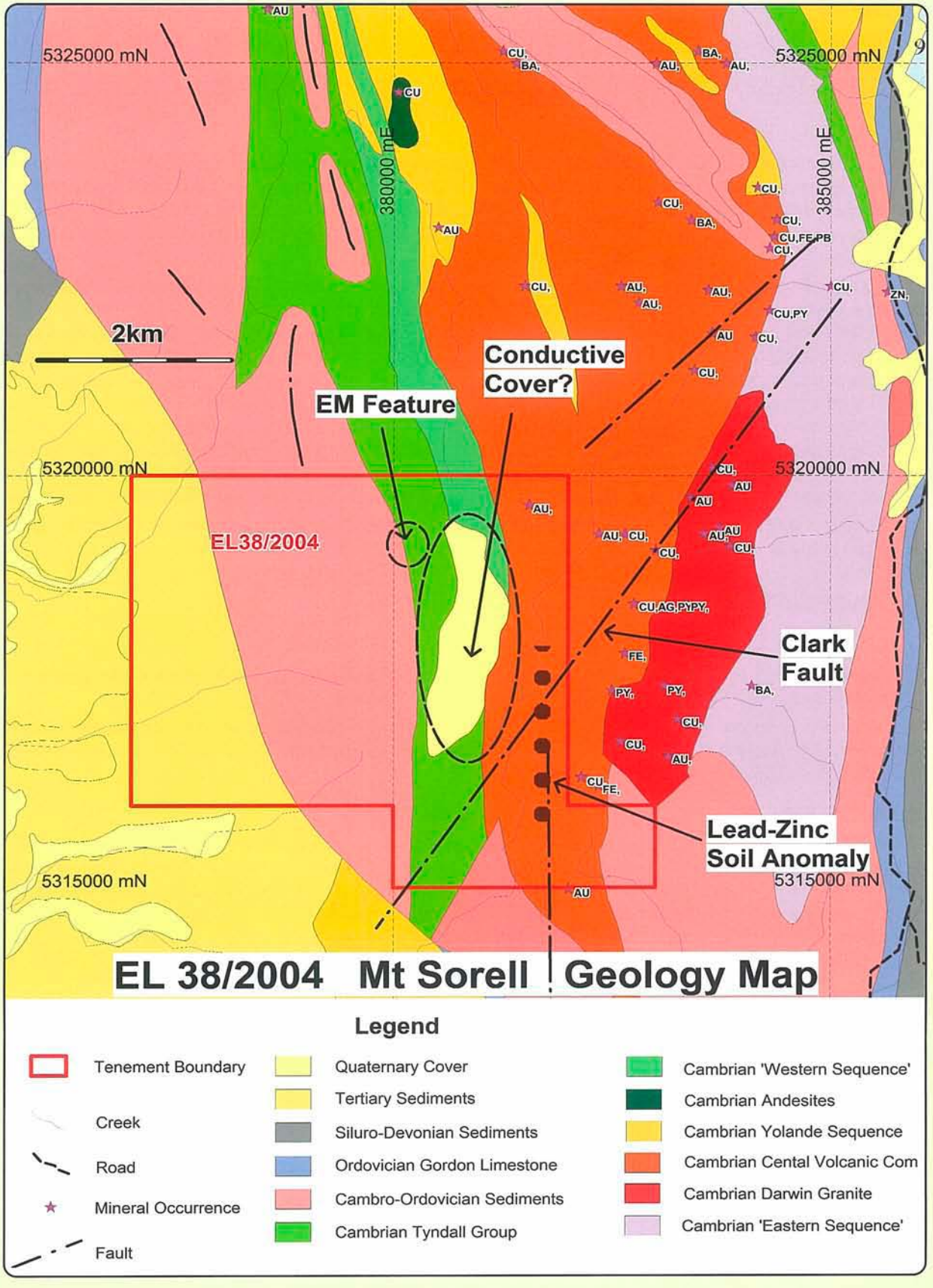


Figure 4: Mt Sorell Geology Map

In 2004, on the basis of the MRT 2002 airborne geophysics programme, a heli –EM anomaly was targeted by BHP in the search for VHMS deposits. No fieldwork was undertaken as the company noted that the anomaly was hosted in a high energy depositional environment which is less suitable to the formation of VHMS mineralisation as a quiescent sedimentary environment and a cessation of volcanic activity is necessary.

3. EXPLORATION RATIONALE

Two commodity/genetic targets exist in the ZELOS licence area.

A. Syngenetic, VHMS, Pb/Zn in the Clarke valley and

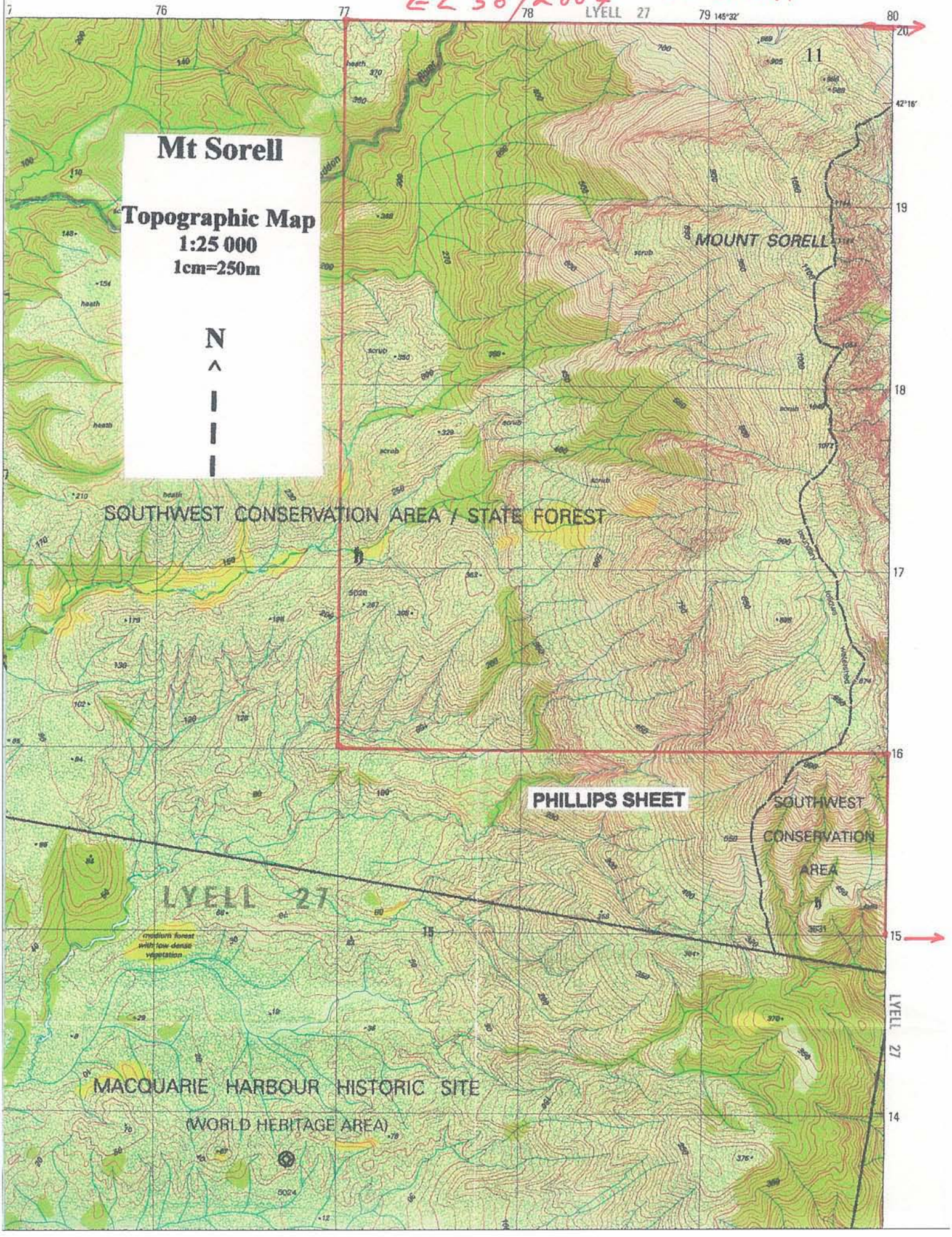
B. Epigenetic, Henty style Au mineralisation hosted by the Tyndall Group units at Mt Sorell.

A. The company's primary aim was to investigate the zinc anomalism defined by Aberfoyle in preparation for drilling. This anomalism was delineated on the basis of 5 grid lines, spaced 400 metres apart. Stage one of the work programme was to re-cut the existing lines and to infill with further line cutting at 100m spacing. Subsequent second stage field work will include soil sampling, grid mapping and ground geophysics.

B. At the completion of the BHP/RGC work programme, Wally Herrmann from CODES was engaged to write an independent document that reviewed the work to date and was used to guide any further work prior to relinquishment. Herrmann noted that moderate potential exists for VHMS deposits at the base of the Tyndall Group, with this favourable horizon – The Lynchford Formation – hosting such mineralisation at Comstock and the low sulphidation epithermal deposit at Henty. This favourable stratigraphy extends south of the Garfield valley, over Slate Spur and into the upper Clarke valley east of Mt Sorell where it is obscured by Quaternary cover. This Quaternary cover is elongate in form and mimics the district strike of the underlying quartz felspar porphyries. Tear -2005, notes that this overburden is more conductive than the surrounding units and warrants further investigation.

SHEET 3631 EDITION 1 1992

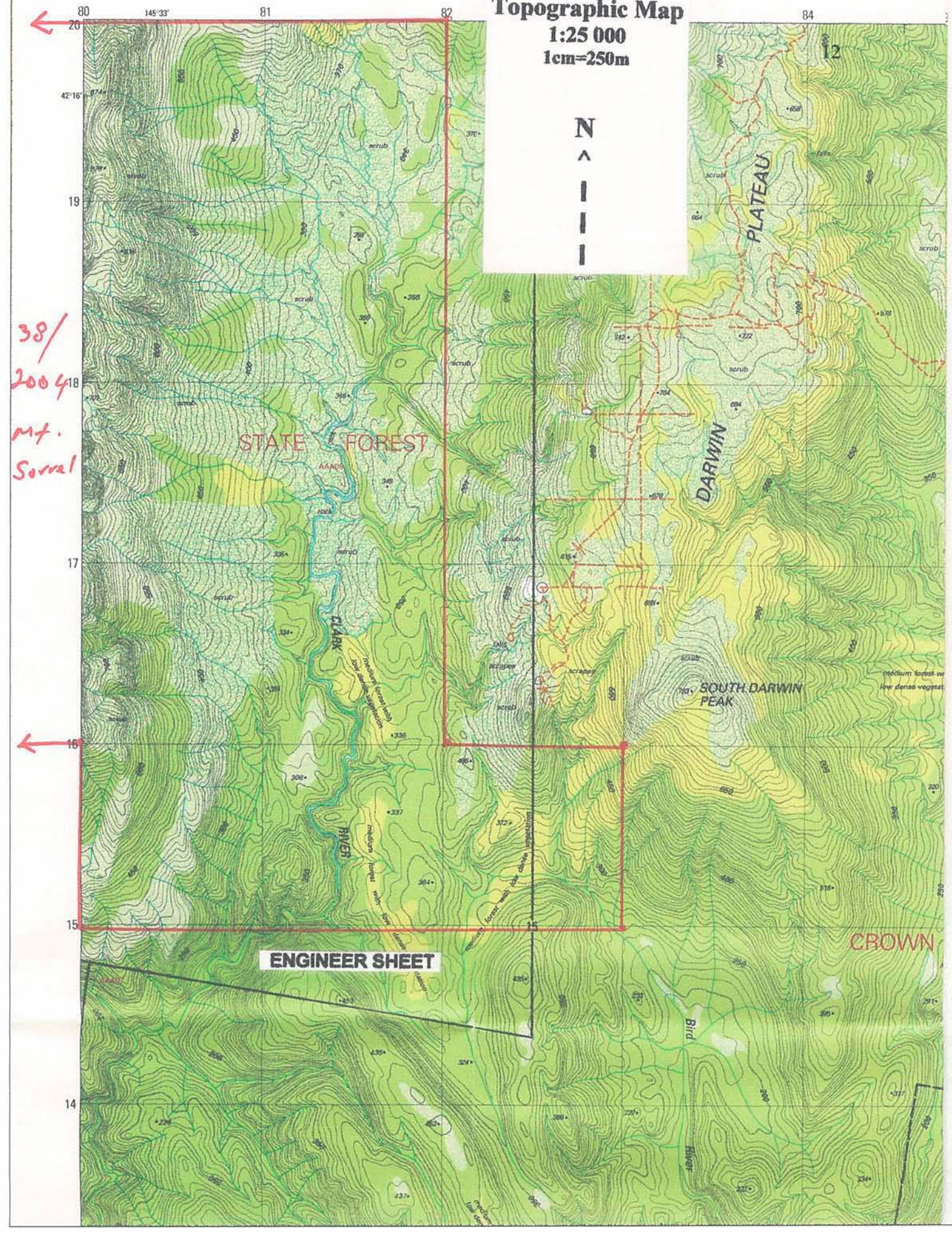
EL 38/2004 Mt Sorrel



TASMANIA 1 : 25 000 SERIES

Mt Sorell

Topographic Map
1:25 000
1cm=250m



38/2004 Mt. Sorell

4. CURRENT EXPLORATION WORK COMPLETED

4.1 Geology

The initial work undertaken was a literature review and the subsequent compilation and evaluation of data. This has been in written form rather than in a digital format. The review concentrated on the work by previous explorers conducted during the period 1988- 2004 inclusive. No geological fieldwork, either of a reconnaissance or detailed nature, was carried out in the reporting period.

4.2 Geochemistry

The primary focus in this initial field season has been the re-establishment of the Goldfields grid in the south east section of the tenement. At UTM 0381576E / 53 15499N; an existing Goldfields helipad was located, recut and utilised as a campsite with a small metal demountable garden shed used as shelter hut. (See Figure 5 p14a and Photos pages 17,19,21)

4.3 Geophysics

Consultant geophysicist Nigel Hungerford, was engaged to reprocess and re-interpret all existing geophysical data collected by a combination of government organisations and previous explorers. This summary document assesses data from ground and airborne EM, plus airborne magnetics surveys. (See Appendix 1)

4.4 Drilling

At this stage no areas within the tenement have sufficient results to warrant drilling.

However, it is hoped that future soil sampling results in the Zn anomaly area could lead to the firming up of drill targets.

In addition, the prospective Lynchford Formation in conjunction with the conductive overburden noted in Section 3 above, have been assessed with a view to a small three hole programme of reconnaissance 'wild cat' drilling. The reasoning for this approach is that the area of interest is a series of colluvial fans flanking MT Sorell that obscure any meaningful geochemistry from previous soil sampling programmes. An assessment of logistics was made at each of the three proposed collar locations.

5. DISCUSSION OF RESULTS

All line cutting was completed in preparation for soil sampling and is comprised of a 2.1km baseline and 11kms of 500 meter long grid lines. (See Figure 5 p14a)

Hungerford concluded that the strong isolated airbourne EM conductor on the flanks of Mt Sorell, which was the focus of BHP's initial interest, is likely to be an artefact of poor data collection. Subsequent confirmation of this by Rob Reid, *pers comm,* indicates that calibration of the instrument on that particular day was an issue.

He also indicates that the zinc anomaly, which is the focus of the currently completed line cutting, is not supported by any co-incident airborne EM conductor. A linear magnetic high is partly coincident with the zinc anomalism and is thought to represent a mafic volcanic unit within the host shales.

Three discrete EM responses were recorded within both the Yolande River sequence and the Central Volcanic Complex. 'Ground truthing' by way of reconnaissance stream sediment sampling and minor rock sampling was undertaken in drainages in the vicinity of each of these anomalies and returned poor results.(See Figure 6 p42)

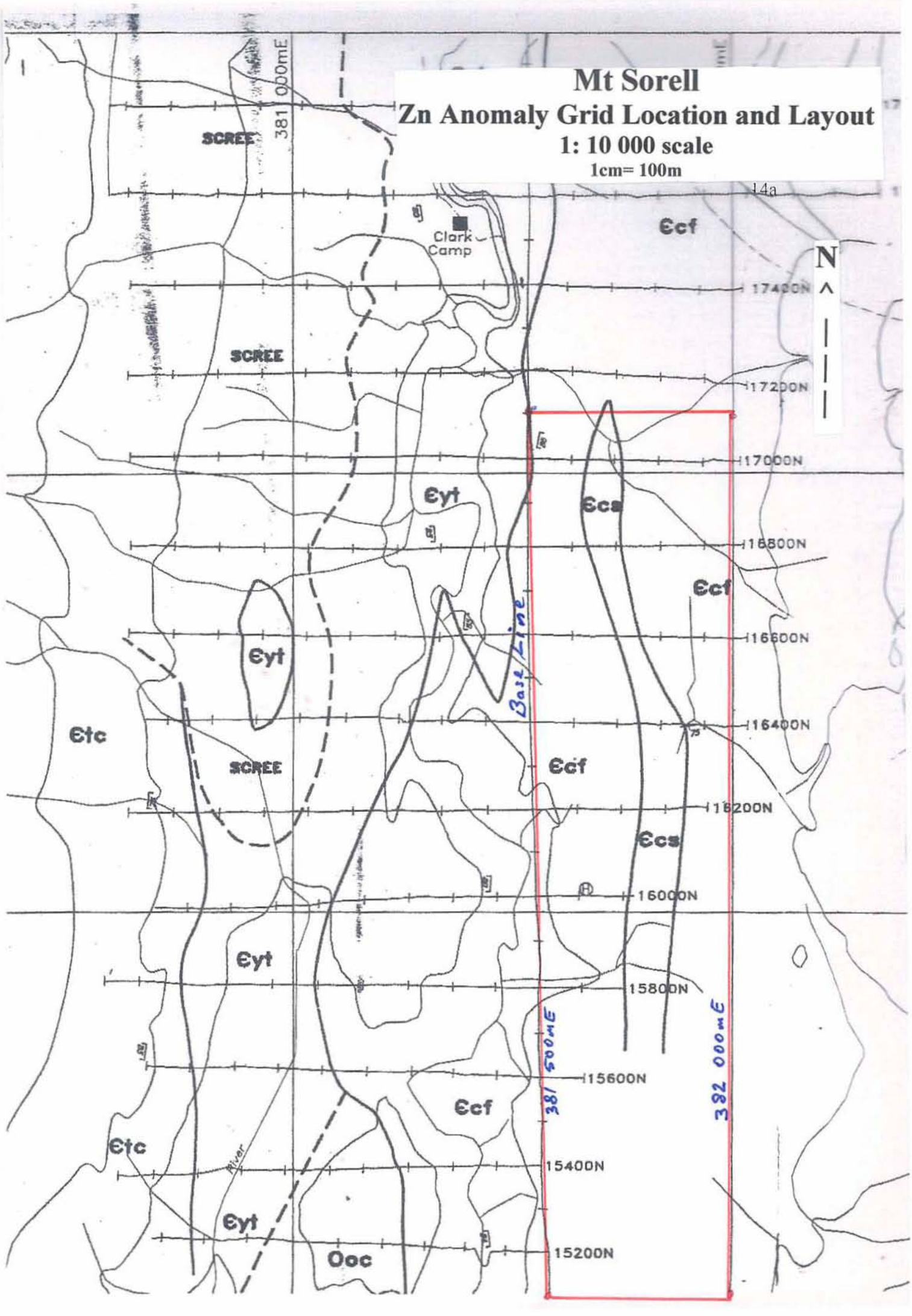
6. CONCLUSIONS

The area of zinc anomalism, previously defined by Aberfoyle, has been gridded at 100m line spacing in preparation for soil sampling and if results are warranted, ground geophysics.

The three discrete airborne EM responses, highlighted in the Hungerford Summary document, have been tested and no further investigation is warranted.

The spot high noted in the MRT airborne data has now been discounted.

The prospective Lynchford Formation and its attendant conductive Quaternary overburden remains untested.


Mt Sorell
Zn Anomaly Grid Location and Layout
1: 10 000 scale
1cm= 100m
N
SCREE
381 000mE
Clark Camp
14a
Ecf
17400N
17200N
17000N
Eyt
Ecs
16800N
16600N
16400N
Etc
16200N
16000N
15800N
15600N
15400N
15200N
Base Line
381 500mE
382 000mE
Ooc

7. ENVIRONMENT

Apart from grid cutting and the widening of the helipad for camping purposes, there are no outstanding issues with regard to the environmental performance of the company. The helipad extensions were cut in teatree/bauera scrub.

8. EXPENDITURE

The expenditure for the current reporting period was $55,701

The main expenditure breakdown is as follows:

Geological	$17,236
Geophysical	$3,120
Line Cutting	$16,620
Helicopter Charter	$15,602

9. REFERENCES

96_3827
Lewis. R. Technical progress report. EL 51/94 Clarke Valley. Aberfoyle Resources.1996

96_3894
Mc Neill.A.W. Relinquishment Report EL 51/94 Clark Valley Aberfoyle Resources Limited 1996

Pers Comm Exploration Geologist. Aberfoyle 1995 Currently on staff at the University of Tasmania

Tear. S Independent Geologists report *in* Prospectus for Zinico Resources NL. (now renamed Zelos Resources NL) 2005

04_5000
White M First Annual and Final Report Mt Sorell EL 43/2002 BHP – Billiton Mines 2003

Squirrel Helicopter

Picking up field crew in the Clark Valley

Base line and camp site and storage shed

in the Clark Valley

Base line of the grid

in the Clark Valley

Sharpening equipment near storage/cooking shed

in the Clark Valley

Squirrel Helicopter

Set down for sampling purposes in the Clark Valley

Storage Shed

Tied down for Winter

ZINICO RESOURCES NL
MT SORELL, WEST TASMANIA. EL 38/2004
GEOPHYSICAL INTERPRETATION REPORT
by Nigel Hungerford. December 2005

SUMMARY

Zinico Resources NL requested the author to reprocess and reinterpret the geophysical data acquired by previous mineral explorers over the Mt Sorell licence, EL 38/2004. The surveys include airborne electromagnetic, airborne magnetic and ground electromagnetic surveys dating back to 1990.

A number of bedrock conductors are evident from the airborne and ground EM surveys. These are most likely caused by graphitic black shales in the Yolande River Sequence but the presence of low grade sulphide mineralisation hosted by these shales cannot be discounted at this stage. The strong airborne EM anomaly in the west of the EL and noted by previous explorers is most likely an artefact due to poor data collection. It appears to occur over unprospective Owen Conglomerate. The Zinc soil geochem anomaly previously defined by Goldfields in the south of the EL does not coincide with any airborne EM conductor.

Aberfoyle's airborne magnetic survey shows strongly magnetic units within the Central Volcanic Sequence in the east of the EL. Northwest-southeast trending faults are readily discernable and these may provide foci for gold mineralisation. However these units are mostly outside Zinico's EL.

A small ground EM or possibly IP survey may be warranted at the southern end of the EL to cover 3 airborne EM anomalies over a strike length of about 1 km. This could also cover the Zn geochem anomaly.

MapInfo images have been produced from the various geophysical grids and scanned plans and these have been included on a CD together with this report.

PREVIOUS GEOPHYSICAL SURVEYS

In late 1990 and early 1991 BHP carried out a ground EM survey using the UTEM system (report 91-3252) This survey covered the northern half of the Cambrian volcanic sequence in Zinico's EL leaving the southern part unsurveyed (from 5317600mN south).

UTEM was the standard ground EM technique to use at the time and there is no reason to doubt the results now. In resistive ground such as is encountered in Tasmania, a penetration depth of at least 150 metres can be expected. This technique was responsible for the discovery of the Hellyer orebody in the northern Mt Read Volcanic complex in the mid 1980's. The data from the UTEM survey are not available in digital form but the profiles for each survey line are available in report 91-3252.

In 1995 Aberfoyle flew a semi-detailed helimag survey with 100m line spacing over the Clarke valley in which EL 38/2004 lies. This was not formally interpreted by Aberfoyle before they relinquished their EL.

Zinico's EL, east of the Owen Conglomerate that covers the western part of the EL, has been covered by the MRT government helicopter-borne EM survey flown in 2001-2002. Line spacing for this survey was nominally 200metres and the system used was the Hummingbird multi-frequency coplanar-coaxial system flown by UTS. The coils are in a 'bird' flown under the helicopter. 23

Hummingbird coil specifications are as follows:

Freq (Hz)	7000	6600	980	880	34000
Coil Orientation	CX	CP	CX	CP	CP

(CX= coaxial; CP=coplanar)

From previous work done by the author using these data and confirmed in the relevant MRT report, it is evident that the low frequencies (ie 880 and 980Hz) should be used with great caution due to calibration problems during the survey. Since the low frequencies have the greatest penetration into the ground, this implies that the HeliEM survey is probably not exploring to great depth (ie less than 50 metres).

For this report the heliEM located data (profiles) were imported into a Geosoft database for processing. Conductivity grids have been produced for the coplanar channels at frequencies 660 and 34000 Hz and these are shown on figures 2 and 3 as discussed below.

GEOPHYSICAL SURVEY RESULTS

Figure 1 is a composite plan showing the geophysical and geochemical features over the EL. The geology on this plan is taken from the regional MRT geology and differs somewhat from the Goldfields detailed geology which is shown in report 93-3426 as plan 15. This latter geology plan has been scanned and is attached as Fig 8.

The geology shown on Fig 1 is as follows:
(€ is Cambrian)
€Oo Owen Conglomerate (Cambro-Ordovician)
€mt conglomerates over felsic volcanics (Goldfields €tc and €ta Tyndall Group)
€qt feldspar porphyry (Goldfields €yt Yolande River Sequence)
€mvs felsic volcanics and volcaniclastics (Goldfields €yt Yolande River Sequence)
€mv felsic and intermediate volcanics (Goldfields €cf Central Volcanic Complex)

Note that only the eastern side of Zinico's EL contains prospective host rocks for base or precious metal deposits. This is a strip about 2 kms wide. The western side of the EL is occupied by Mt Sorell which is composed of Owen Conglomerate.

UTEM

The BHP UTEM survey indicated a rather weak but extensive conductor from responses on the early time channels using a transmitter frequency of 26Hz. This conductor extends under mapped scree over a strike length of at least 100 metres and is open to the south beyond the extent of the survey. BHP detailed this conductor with another UTEM loop and attributed the conductor "to the eastern edge of a conductive source on the slopes of Mt Sorell". The conductor is most probably a thick graphitic/ black shale horizon within the Yolande River Sequence of rhyolitic lavas and volcaniclastics (as mapped by Goldfields €yt).

HeliEM

The UTEM ground conductor coincides with a strike extensive HeliEM conductor extending over most of the length of the EL, 4 to 5 kms. This is shown on Fig 1 as a dashed line extending north from heliEM anomaly A in the south. 24

Figures 2 and 3 show the heliEM conductivities calculated for coplanar frequencies 6600 Hz and 34000Hz. Figure 2 (cp6k) displays the EM response using a linear colour stretch for the image. This shows where the strongest responses are, as indicated by the red and white colours. Using this image it is apparent that there are 4 heliEM anomalies that are of some interest. Figure 3 (cp34k) shows the response using an 'equal area' colour stretch which enhances the lower responses due to poor conductors. The broad north-south conductor mentioned above as a UTEM response is readily apparent.

Anomaly A (380960mE; 5315770mN) is the strongest response along the formational conductor discussed above within the volcanic sequence of the Yolande River Sequence. It may therefore represent either a more graphitic or a sulphide rich part of this horizon. Unfortunately the soil geochem survey carried out by Goldfields in 1993 indicates a lack of base metals at anomaly A (fig 7) which rather downgrades the importance of this EM anomaly. It should also be mentioned that the heliEM anomaly amplitudes are considerably less than could be expected from massive sulphides as found at the Hellyer, Que River or Rosebery deposits. The EM response is in fact similar to that recorded over black shales elsewhere in the Mt Read Volcanics (eg the host shales along strike from Rosebery).

Anomaly C (380727mE; 5314977mN) is about 800 metres south of anomaly A and is likely to have a similar source to A.

Anomaly B (382194mE; 5315186mN) occurs within rocks of the Central Volcanic Complex. It is coincident with a creek so may be due to surficial responses. No geochemical surveys have been carried out in this area.

Anomaly D (379920mE; 5319000mN) has been the subject of previous explorers (BHP) who came to conclusion that the response is not due to a bedrock conductor. Investigation of the EM profiles on the two flight lines across this anomaly, suggests that it arises from incorrect measurements possibly due to incorrect coil calibrations which will particularly affect the in-phase component of the measured secondary field.

The in-phase channel of the 6k coplanar coil, from which the conductivity is calculated, is clearly not correct since it increases dramatically in amplitude from strongly negative further east to strongly positive over the anomaly just for this frequency and this component. In addition the in-phase component bears no resemblance to the quadrature component indicating also that the former is likely to be incorrect. These peculiarities are shown on the west-east flight profile across Anomaly D (Fig 9). The problems appear to relate to flights 12 and 15 on two particular days.

This anomaly occurs on the steep side of Mt Sorell over Owen Conglomerate but close to the contact with the upper Tyndall Group. The latter is also composed of conglomerate and is thus an unlikely host for a massive sulphide deposit. The heliEM anomaly peak

also occurs just to the west of a weak magnetic trend that may mark the base of the Owen Conglomerate. The steep terrain is illustrated by the digital terrain image on Fig4.

Aeromagnetics

25

Aberfoyle's helimag survey indicates the Yolande River Sequence and the Tyndall Group are essentially non-magnetic whilst the mapped Central Volcanic Sequence contains some quite strongly magnetic horizons (Figs 5). The 1st vertical derivative of the magnetic field, reduced to the magnetic pole, (Fig 6) shows the magnetic features in detail.

Most of these magnetic units are outside the eastern boundary of Zinico's EL although one is present in the south-east. This magnetic unit is partly coincident with the Zn soil geochem anomaly detected by Goldfields suggesting that the magnetic anomaly may be caused by a lithology anomalous in zinc. As mentioned above there is no relationship of the geochem anomaly to any EM conductor.

NNE-SSW faults are readily discernible disrupting the magnetic units. Possibly the geochem anomaly is related to one of these cross-faults but further geochem sampling would be required at a closer line spacing than the original 400 metres in order to better define the geochemical distribution of Zn and other elements.

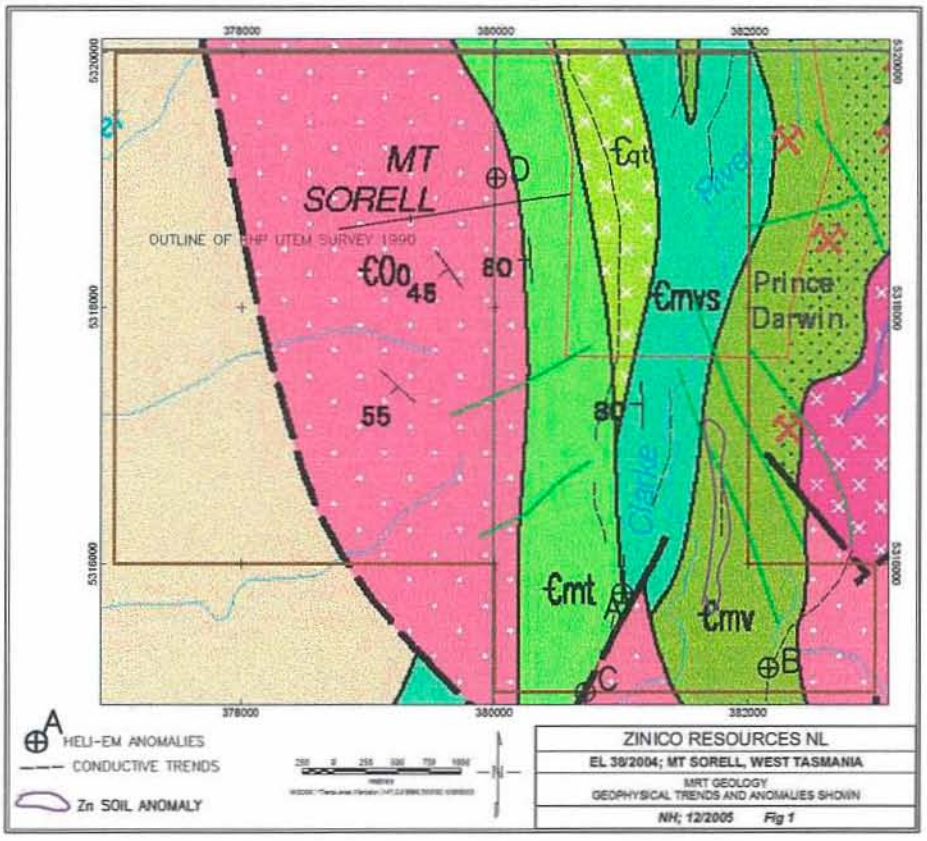
FURTHER GEOPHYSICAL WORK

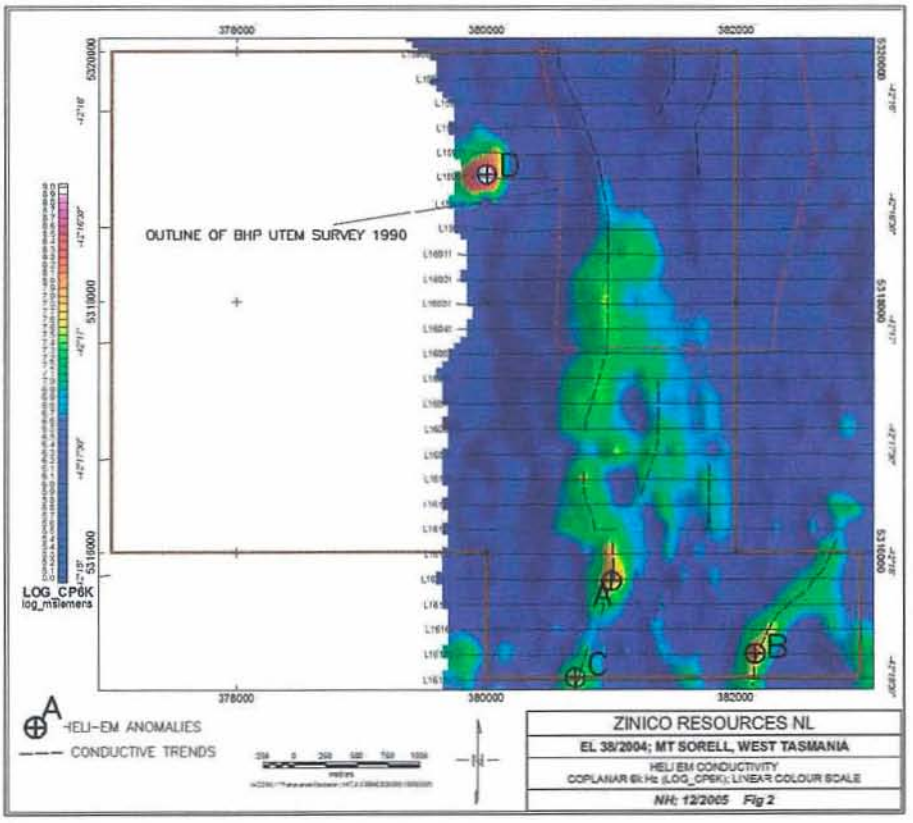
From a geophysical perspective the most interesting area of the EL is at the south where weak-moderate heliEM conductors occur. If this area is thought to be geologically prospective then a TEM (Time Domain Electromagnetic) or IP survey could be carried out to determine whether these conductors are worth subsequent drilling.

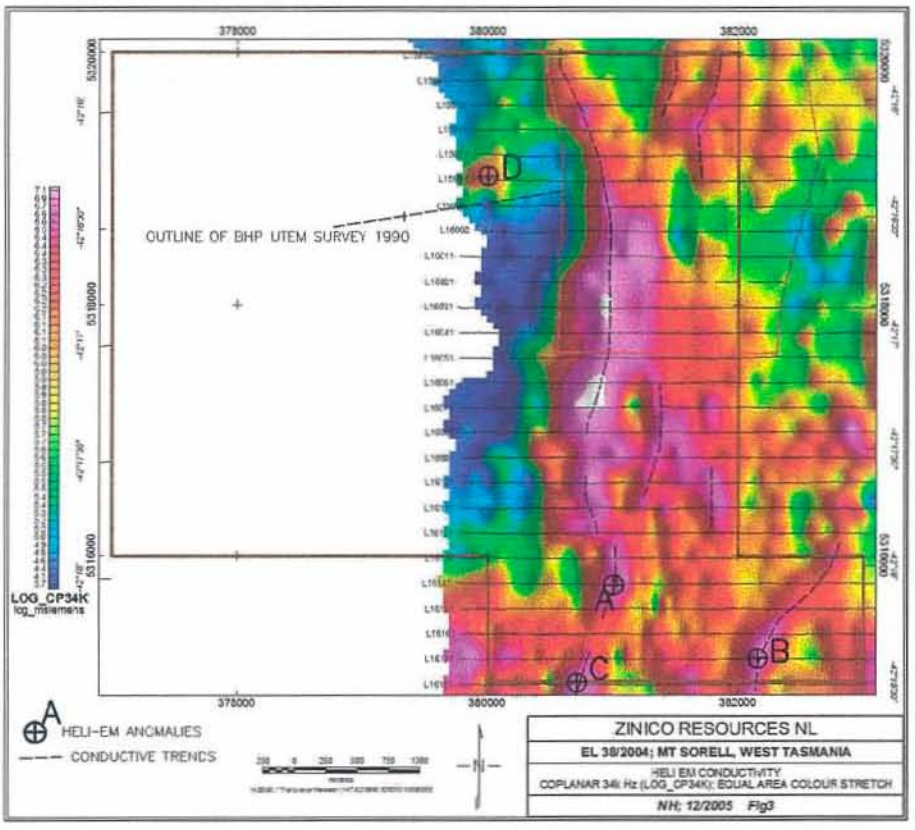
A TEM survey would be rather easier to conduct than an IP survey although considering the access and terrain it would still not be easy. A TEM survey would have the benefit of easier interpretation giving more accurate estimates of a conductor's property such as dip, depth and conductivity. It would be appropriate for following up the HeliEM anomalies as possible massive sulphides but if Zinico considers the area is prospective for gold then IP would be more appropriate since, unlike TEM, it would detect disseminated sulphides. Both techniques will give responses to graphitic black shale horizons and only geochem or drilling will distinguish these from responses due to sulphides.

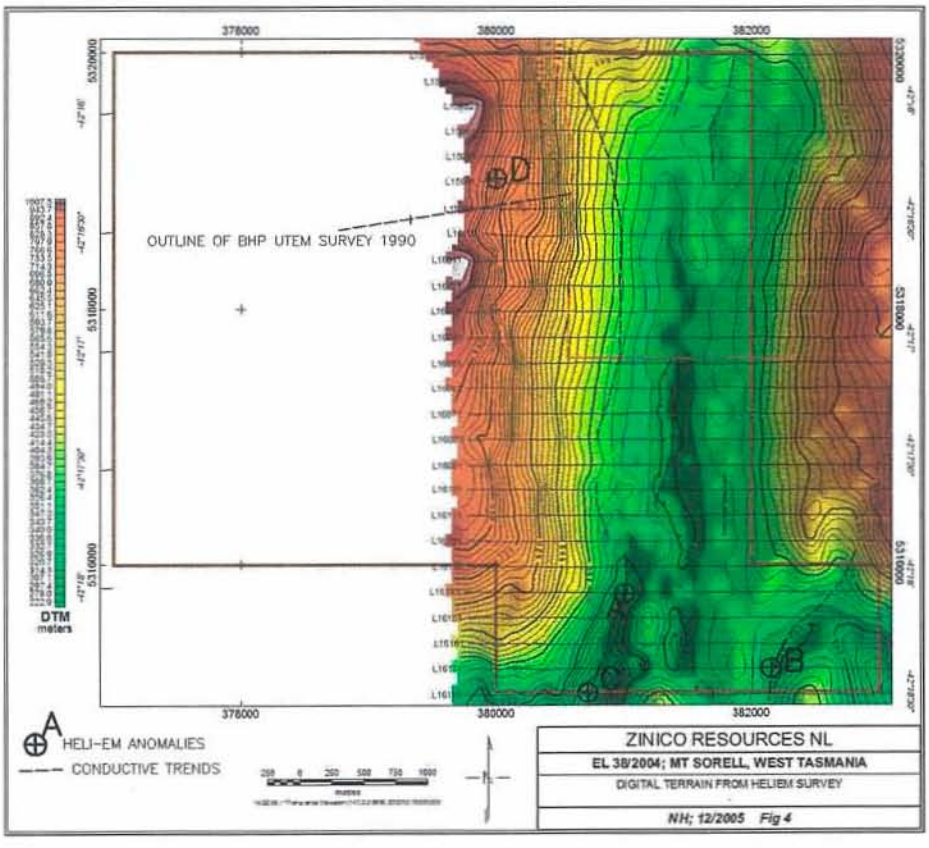
FIGURES: (all in AMG66, zone 55 coordinates)

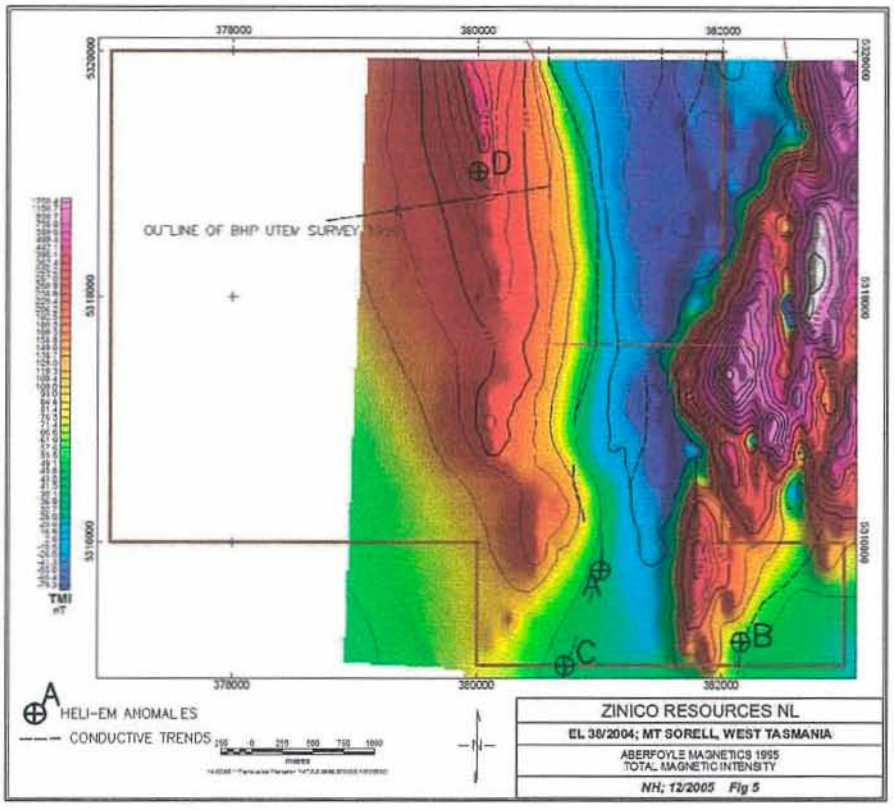
1. Geology with geophysical trends
2. HeliEM Apparent Conductivity coplanar 6k Hz
3. HeliEM Apparent Conductivity coplanar 34 Hz
4. Digital Terrain
5. Total Magnetic Field (Aberfoyle Helimag)
6. Magnetics: 1st vertical derivative, reduced to pole
7. Goldfields geochem plan (scanned)
8. Goldfields geology plan (scanned)
9. HeliEM line 15981 across Anomaly D

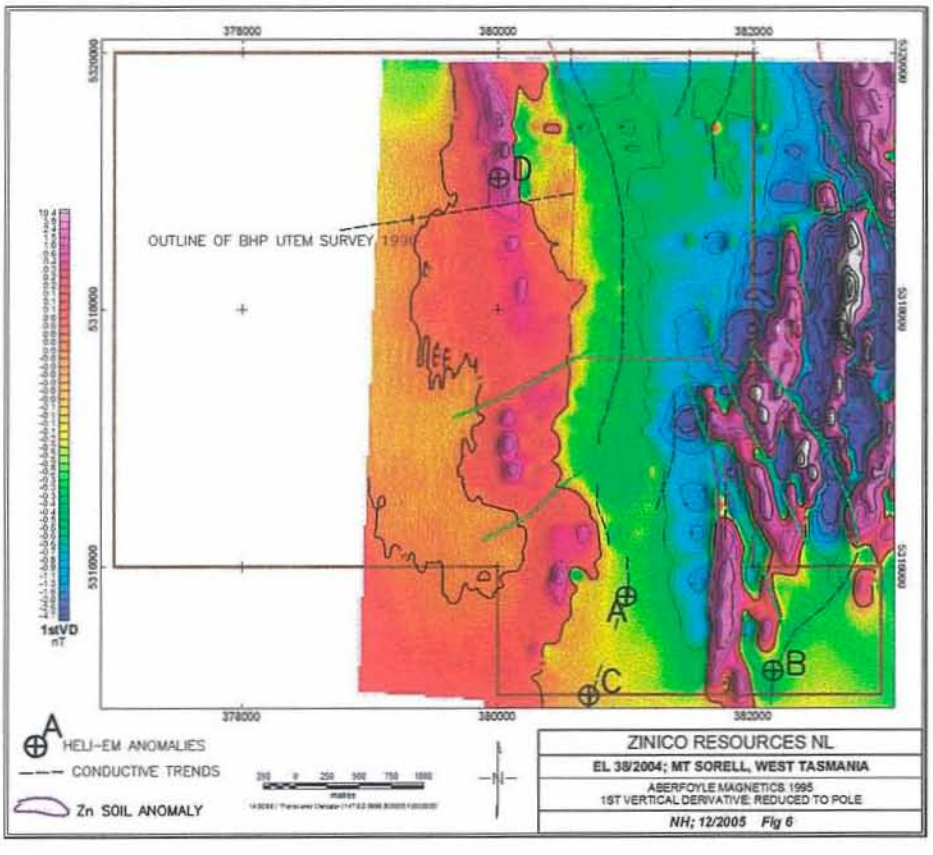

MT SORELL
OUTLINE OF BHP UTEM SURVEY 1990
Prince Darwin
Clade
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
Zn SOIL ANOMALY
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
MRT GEOLOGY
GEOPHYSICAL TRENDS AND ANOMALIES SHOWN
NH; 12/2005 Fig 1

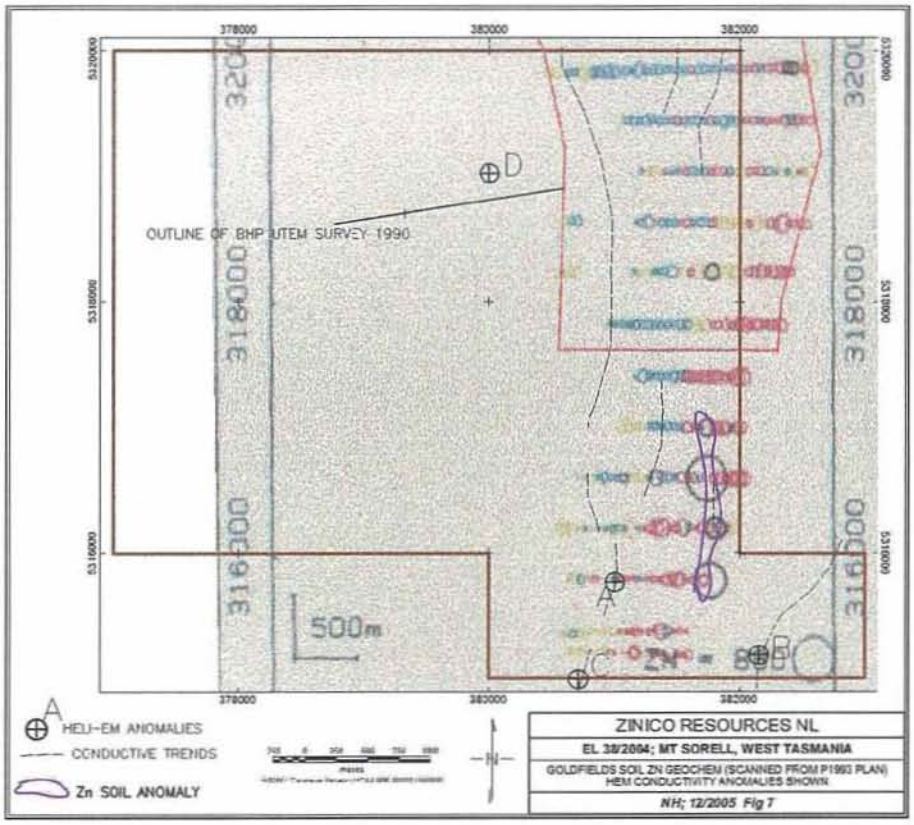

OUTLINE OF BHP UTEM SURVEY 1990
LOG_CPBK
log_mSiemens
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
HELI EM CONDUCTIVITY
COPLANAR 8K Hz (LOG_CPBK); LINEAR COLOUR SCALE
NH; 12/2005 Fig 2

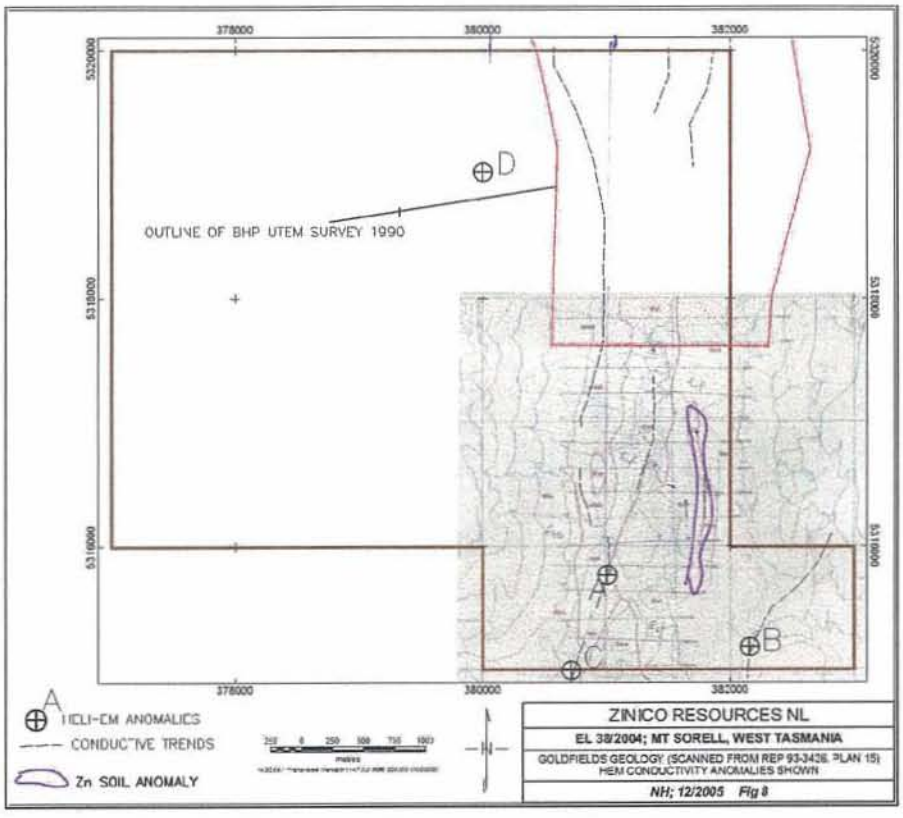

378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY 1990
A
B
C
D
LOG_CP34K
log_mSiemens
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
HELI EM CONDUCTIVITY
COPLANAR 34k Hz (LOG_CP34K): EQUAL AREA COLOUR STRETCH
NH; 12/2005 Fig3

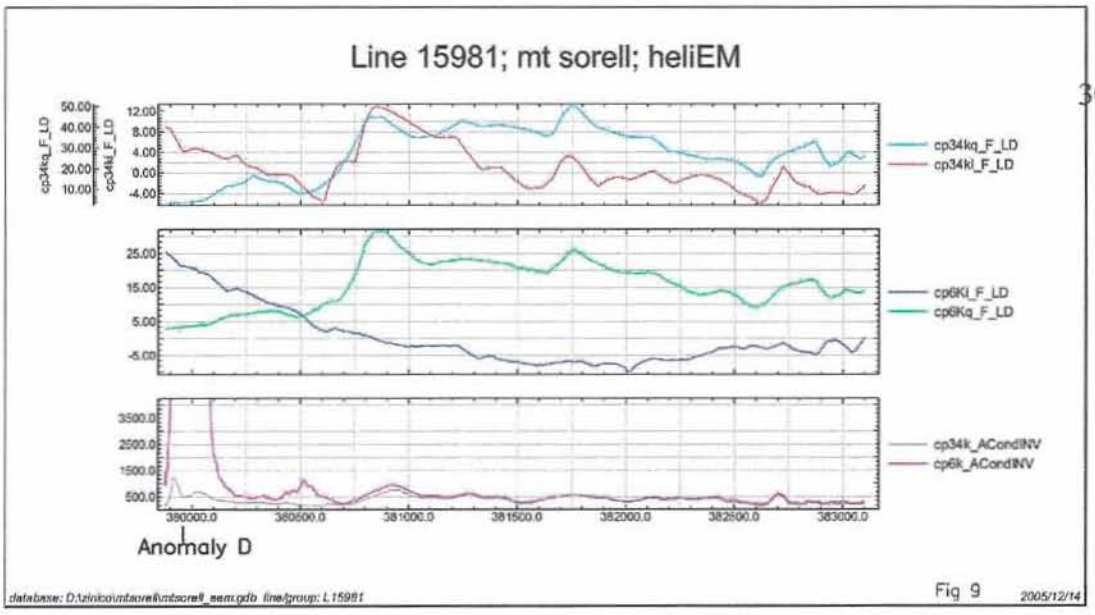

378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY 1990
A
B
C
D
DTM
meters
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
DIGITAL TERRAIN FROM HELIEM SURVEY
NH; 12/2005 Fig 4


378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY
D
A
B
C
TMI
nT
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
metres
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
ABERFOYLE MAGNETICS 1995
TOTAL MAGNETIC INTENSITY
NH; 12/2005 Fig 5


378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY
D
A
B
C
1stVD
nT
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
Zn SOIL ANOMALY
metres
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
ABERFOYLE MAGNETICS 1995
1ST VERTICAL DERIVATIVE: REDUCED TO POLE
NH; 12/2005 Fig 6


378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY 1990
D
A
B
C
500m
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
Zn SOIL ANOMALY
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
GOLDFIELDS SOIL ZN GEOCHEM (SCANNED FROM P1993 PLAN)
HEM CONDUCTIVITY ANOMALIES SHOWN
NH; 12/2005 Fig 7


378000
380000
382000
5320000
5318000
5316000
OUTLINE OF BHP UTEM SURVEY 1990
D
A
B
C
HELI-EM ANOMALIES
CONDUCTIVE TRENDS
Zn SOIL ANOMALY
ZINICO RESOURCES NL
EL 38/2004; MT SORELL, WEST TASMANIA
GOLDFIELDS GEOLOGY (SCANNED FROM REP 93-3426, PLAN 15)
HEM CONDUCTIVITY ANOMALIES SHOWN
NH; 12/2005 Fig 8


Line 15981; mt sorell; heliEM
cp34kq_F_LD
cp34kl_F_LD
cp6Kl_F_LD
cp6Kq_F_LD
cp34k_ACondINV
cp6k_ACondINV
380000.0
380500.0
381000.0
381500.0
382000.0
382500.0
383000.0
Anomaly D
database: D:\zinkoun\sorell\mtsorell_sem.gdb line/group: L15981
Fig 9
2005/12/14

30

Amdel Limited
PO Box 338
Torrensville Plaza SA 5031
ABN 30 008 127 802

Telephone (08) 8416 5300
Facsimile (08) 8234 0321

Mr Luke Vanzino
Zelos Resources NL
Level 3, 2 Bligh Street
SYDNEY NSW 2000

FINAL ANALYSIS REPORT

Your Order No:

Our Job Number: 6AD0948

Sample rec'd: 30/03/06

Results reported: 26/05/06

No. of samples: 10

Results apply to sample(s) as submitted by the client.

Report comprises a letter and report pages: 1 to 4

Method	Description	Started	Analysed	Authorised

Approved:

for
Alan Ciplys
Manager, Geoanalytical Central Region

Report Codes:
N.A. - Not Available
L.N.R. - Listed But Not Received
I.S. - Insufficient Sample

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

*** Please Note ***

1) The results for elements 'Al, Ba, Cr, Ti, W, Zr, Sn' by code IC3E digest are acid soluble only, and results may be semi-quantative.
'K' values >1% by code IC3E may bias low due to the insolubility of potassium perchlorate.

2) For scheme IC4, Total 'Fe' is analysed but is calculated and reported as 'Fe2O3'

Job: 6AD0948
O/N:

Final ANALYTICAL REPORT

SAMPLE	Au	Au Dp1	V	Y	Zn
MTS20001	<1	--	22	6	8
MTS20002	2	2	29	16	145
MTS10001	15	--	12	7	70
MTS10002	5	--	17	7	36
MTS10003	6	--	12	6	19
MTS10004	20	--	12	7	10
MTS10005	20	--	11	7	15
MTS10006	3	--	10	12	20
MTS10007	2	--	16	13	18
MTS10008	1	--	12	8	11
UNITS	ppb	ppb	ppm	ppm	ppm
DET.LIM	1	1	2	2	2
SCHEME	FA3	FA3	IC3E	IC3E	IC3E

Job: 6AD0948
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Ag	As	Bi	Ca	Cd	Ce	Co
MTS20001	<1	10	<5	4600	<2	40	2
MTS20002	<1	64	<5	480	<2	25	39
MTS10001	<1	10	<5	1200	<2	30	<2
MTS10002	<1	6	<5	2250	<2	30	<2
MTS10003	<1	4	<5	1000	<2	25	<2
MTS10004	<1	4	<5	800	<2	25	<2
MTS10005	<1	4	<5	850	<2	25	<2
MTS10006	<1	4	<5	1400	<2	40	<2
MTS10007	<1	6	<5	1250	<2	70	<2
MTS10008	<1	4	<5	1250	<2	45	<2
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	1	3	5	10	2	10	2
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Job: 6AD0948
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Cr	Cu	Fe	K	Mg	Mn	Mo
MTS20001	58	12	1.07%	6350	4200	86	<3
MTS20002	39	16	37.1%	1.00%	1900	5150	12
MTS10001	24	60	8350	6900	1150	105	<3
MTS10002	28	32	9200	8550	1650	105	<3
MTS10003	17	20	6600	8200	1050	195	<3
MTS10004	10	13	4450	6300	900	30	<3
MTS10005	22	21	3600	6550	950	26	<3
MTS10006	7	22	5150	1.84%	1450	20	<3
MTS10007	9	29	4900	1.46%	1600	24	<3
MTS10008	22	19	3000	4250	900	22	<3
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	2	2	100	10	10	5	3
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Job: 6AD0948
O/N:

Final

ANALYTICAL REPORT

SAMPLE	Na	Ni	P	Pb	Sb	Sr	Ti
MTS20001	95	11	410	<5	<5	7	1050
MTS20002	85	60	340	105	22	<2	750
MTS10001	500	4	90	78	<5	10	1900
MTS10002	550	4	170	26	<5	16	1700
MTS10003	290	3	56	12	<5	9	1350
MTS10004	700	2	46	<5	<5	10	2150
MTS10005	320	3	42	6	<5	13	1550
MTS10006	650	2	125	22	<5	20	1900
MTS10007	1450	2	120	18	<5	20	2500
MTS10008	340	3	80	12	<5	13	2150
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DET.LIM	10	2	5	5	5	2	10
SCHEME	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E	IC3E

Order No																				
IDENT	Au		Au Dp1		Ag		As		Bi		Ca		Cd		Ce					
UNITS	ppb		ppb		ppm		ppm		ppm		ppm		ppm		ppm					
SCHEME	FA3		FA3		IC3E		IC3E		IC3E		IC3E		IC3E		IC3E					
DETECTIC		1		1		1		3		5		10		2		37		10		
MTS20001		<1	--			<1		10		<5		4600		<2		40				
MTS20002		2		2		<1		64		<5		480		<2		25				
MTS10001		15	--			<1		10		<5		1200		<2		30				
MTS10002		5	--			<1		6		<5		2250		<2		30				
MTS10003		6	--			<1		4		<5		1000		<2		25				
MTS10004		20	--			<1		4		<5		800		<2		25				
MTS10005		20	--			<1		4		<5		850		<2		25				
MTS10006		3	--			<1		4		<5		1400		<2		40				
MTS10007		2	--			<1		6		<5		1250		<2		70				
MTS10008		1	--			<1		4		<5		1250		<2		45				

Co ppm IC3E	Cr ppm IC3E	Cu ppm IC3E	Fe ppm IC3E	K ppm IC3E	Mg ppm IC3E	Mn ppm IC3E	Mo ppm IC3E	Na ppm IC3E
2	2	2	100	10	10	5	3	10
2	58	12	10700	6350	4200	86	<3	95
39	39	16	371000	10000	1900	5150	12	85
<2	24	60	8350	6900	1150	105	<3	500
<2	28	32	9200	8550	1650	105	<3	550
<2	17	20	6600	8200	1050	195	<3	290
<2	10	13	4450	6300	900	30	<3	700
<2	22	21	3600	6550	950	26	<3	320
<2	7	22	5150	18400	1450	20	<3	650
<2	9	29	4900	14600	1600	24	<3	1450
<2	22	19	3000	4250	900	22	<3	340

Ni ppm IC3E	P ppm IC3E	Pb ppm IC3E	Sb ppm IC3E	Sr ppm IC3E	Ti ppm IC3E	V ppm IC3E	Y ppm IC3E	Zn ppm IC3E
2	5	5	5	2	10	2	2	2
11	410	<5	<5	7	1050	22	6	8
60	340	105	22	<2	750	29	16	145
4	90	78	<5	10	1900	12	7	70
4	170	26	<5	16	1700	17	7	36
3	56	12	<5	9	1350	12	6	19
2	46	<5	<5	10	2150	12	7	10
3	42	6	<5	13	1550	11	7	15
2	125	22	<5	20	1900	10	12	20
2	120	18	<5	20	2500	16	13	18
3	80	12	<5	13	2150	12	8	11

ZELOS RESOURCES – '*In House*' Geological Note

MOUNT SORELL - E.M. ANOMALIES

Introduction

Three discrete HeliEM anomalies were identified by Nigel Hungerford utilizing data collected by the MRT heli-bourne EM survey flown in 2001-2002. (Refer to Hungerford December 2005). In addition, Hungerford amalgamated airborne magnetic and ground EM surveys undertaken by Aberfoyle Resources and BHP respectively. The entire data set was reprocessed to enable a geophysical interpretation of the E.L. in its entirety.

Figure 2 and Figure 3 of Hungerford's report delineated two North – South oriented conductive trends up to 4-5kms in length. With such strike extent, it is assumed that these trends reflect lithographic horizons, most likely graphitic/black shale units within the Formational volcanics. However within these trends, there are 3 anomalies where strong responses may indicate more prospective, sulphide rich parts within these horizons.

Hungerford observes:

Anomaly A *(380960mE; 5315770mN) is the strongest response along the formational conductor discussed above within the volcanic sequence of the Yolande River Sequence.It may therefore represent either a more graphitic or a sulphide rich part of this horizon. Unfortunately the soil geochem survey carried out by Goldfields in 1993 indicates a lack of base metals at anomaly A (fig 7) which rather downgrades the importance of this EM anomaly. It should also be mentioned that the heli EM anomaly amplitudes are considerably less than could be expected from massive sulphides as found at the Hellyer,Que River or Rosebery deposits. The EM response is in fact similar to that recorded over black shales elsewhere in the Mt Read Volcanics (.eg. the host shales along strike from Rosebery).*

Anomaly C *(380727mE; 5314977mN) is about 800 metres south of anomaly A and is likely to have a similar source to A.*

Anomaly B *(382194mE; 5315186mN) occurs within rocks of the Central Volcanic Complex. It is coincident with a creek so may be due to surficial responses. No geochemical surveys have been carried out in this area.*

Work Undertaken

'Ground truthing' of the EM anomalies was undertaken in an attempt to determine the source of the anomalism and to collect reconnaissance geochemical samples in the immediate environs.

Anomaly A and Anomaly C were underlain primarily by Quartz Porphyry. The sediment load in the stream was overwhelmingly quartz rich due to the combined input of Owen Conglomerate and Tyndall Group. The high quartz sand content, combined with the steep gradient of the drainage, made the accumulation of sufficient

mud size fraction problematic. None the less, coarse sands were collected and these will be sieved at AMDEL in the hope that sufficient -80# fraction can be obtained for analysis. Tributary streams, whilst marked on the 1:25000 topography map, were invariably poorly defined and/or too steep to allow accumulation of fine sediment, hence the stream sediment sampling density was less than anticipated.

Four stream sediment and two rock chip (float) samples were collected.
Of note was a float sample of indurated black shale, with trace, disseminated, very finely crystalline, euhedral pyrite (Biogenic?). The other float sample is of a mid grey pelite with intensive limonitic weathering as a selvedge/rind over a fresh core.

An isolated, 'erratic' boulder of Limestone, > 2m in diameter was located in the gorge upstream of Anomaly C. No outcrop of this lithology was located.

N.B. No GPS coverage was possible in this gorge due to the terrain and the vegetation cover.

Anomaly B is located in the headwaters of the Bird River drainage. The trunk stream in the centre of the anomaly is a low lying, braided and undefined drainage – basically a swamp with the density of vegetation one expects in a swamp! No outcrop was observed and quartz rich sands dominated with very little mud fraction available for sampling. Three poor quality stream sediments were collected. The observed topography concurs with Hungerford's suggestion that the anomalism is probably due to surficial responses.

ANOMALY	SAMPLE No	SAMPLE TYPE	LOCATION
C	MTS 10001	Stream Sediment	380790 / 5315000
C	MTS 20001	Rock (Float)	380790 / 5315000
C	MTS 10002	Stream Sediment	380760 / 5315100
C	MTS 20002	Rock (Float)	380760 / 5315100
C	MTS 10003	Stream Sediment	380800 / 5315270
A	MTS 10004	Stream Sediment	380940 / 5315720
A	MTS 10005	Stream Sediment	380980 / 5315700
B	MTS 10006	Stream Sediment	382100 / 5315210
B	MTS 10007	Stream Sediment	382200 / 5315320
B	MTS 10008	Stream Sediment	382260 / 5315240

Coast and Mountain Exploration

27th March 2006

Mt Sorell
Airborne EM anomalies and
Rock/Stream Sediment Sample Locations

This from a portion of the topographic map

This scale is 1: 10 000

1cm= 100m