

**NORTH ROSEBERY PROJECT
TASMANIA
EL54/2004**

**ANNUAL PROGRESS REPORT
10TH AUGUST 2005 TO 9TH AUGUST 2006**

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ABSTRACT

Bass Metals Ltd commenced management of the North Rosebery exploration licence (EL54/2004) on 10 August 2005. Work conducted on the licence for the year ended 9/08/2006 has included:

- Compilation of historical exploration reports and data
- Acquisition and processing of ASTER satellite data
- Validation and review of existing data and capturing of data in a proprietary Geoinformatics Exploration Inc database system named FracSIS
- Carrying out three dimensional modelling of the captured data
- Target generation and ranking of exploration targets using further proprietary software and Monte Carlo probabilistic algorithms
- A field visit to the licence area to review the stratigraphy and collect rock chip samples from road cuttings (13 samples)

Bass Metals was aware that ASTER and HyMap data could identify chlorite and sericite alteration at the Mount Lyell field. After some consideration Bass sourced some ASTER satellite data which measures a similar radiation spectrum to the HyMap data though has a lower resolution. Bass hoped that it would be useful in mapping regional alteration trends.

Geoinformatics target generation, interpretation of ASTER data and review of historic exploration data has identified 3 Rosebery-Hellyer style VHMS targets on the North Rosebery licence.

During a field visit to the licence 13 rock chip samples were taken from road cuttings. Two samples have returned anomalous results. Sample NR1 assayed 1.3% Pb, 0.3% Zn, 136g/t Ag & 0.14g/t Au while sample NR2 assayed 4.2% Zn & 10g/t Ag.

Proposed ongoing exploration activities will evaluate targets generated by Geoinformatics and follow-up the anomalous rock chip assay results.

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1. INTRODUCTION

This report is a summary of the exploration activities conducted on the North Rosebery exploration licence, EL54/2004 (Figure 1), for the period 10 August 2005 to 9 August 2006. The licence covers a total area of 56 km². The North Rosebery licence is subject to an exploration joint venture agreement between Bass Metals Ltd and Geoinformatics Exploration Tasmania Pty Ltd. Bass is currently managing exploration of the licence from a base at the Hellyer Mine site.

The licence is located in western Tasmania and is dominated geologically by the Cambrian Mt Read Volcanics with minor Cambro-Ordovician Owen Group sediments.

The Mt Read Volcanics belt is host to a number of large volcanic-hosted massive sulphide deposits in Tasmania, including the Rosebery, Hercules, Hellyer and Que River deposits. The North Rosebery licence is located approximately 5km along strike from Zinifex Ltd's operating Rosebery Mine.

Exploration at North Rosebery will target Cambrian VHMS deposits.

1.1 Location

The North Rosebery licence covers a total area of 56 km² and lies approximately 5km north of the Rosebery Mine Site in western Tasmania (Figure 1). The townships of Rosebery and Tullah are just outside the licence area. The licence is shown on the Sophia 1:100,000 scale LTIS map sheets.

The licence area can be accessed via the Murchison Highway and the Pieman Road and encompasses parts of Lake Rosebery, includes the Bastyan Dam and the Farrell Tramway. A network of largely unsealed Hydro Electric Commission roads run off the Pieman Road providing further access throughout the area.

Topographically the licence is largely rugged containing river gorges and steep rainforest covered mountain slopes (including Mt Black).

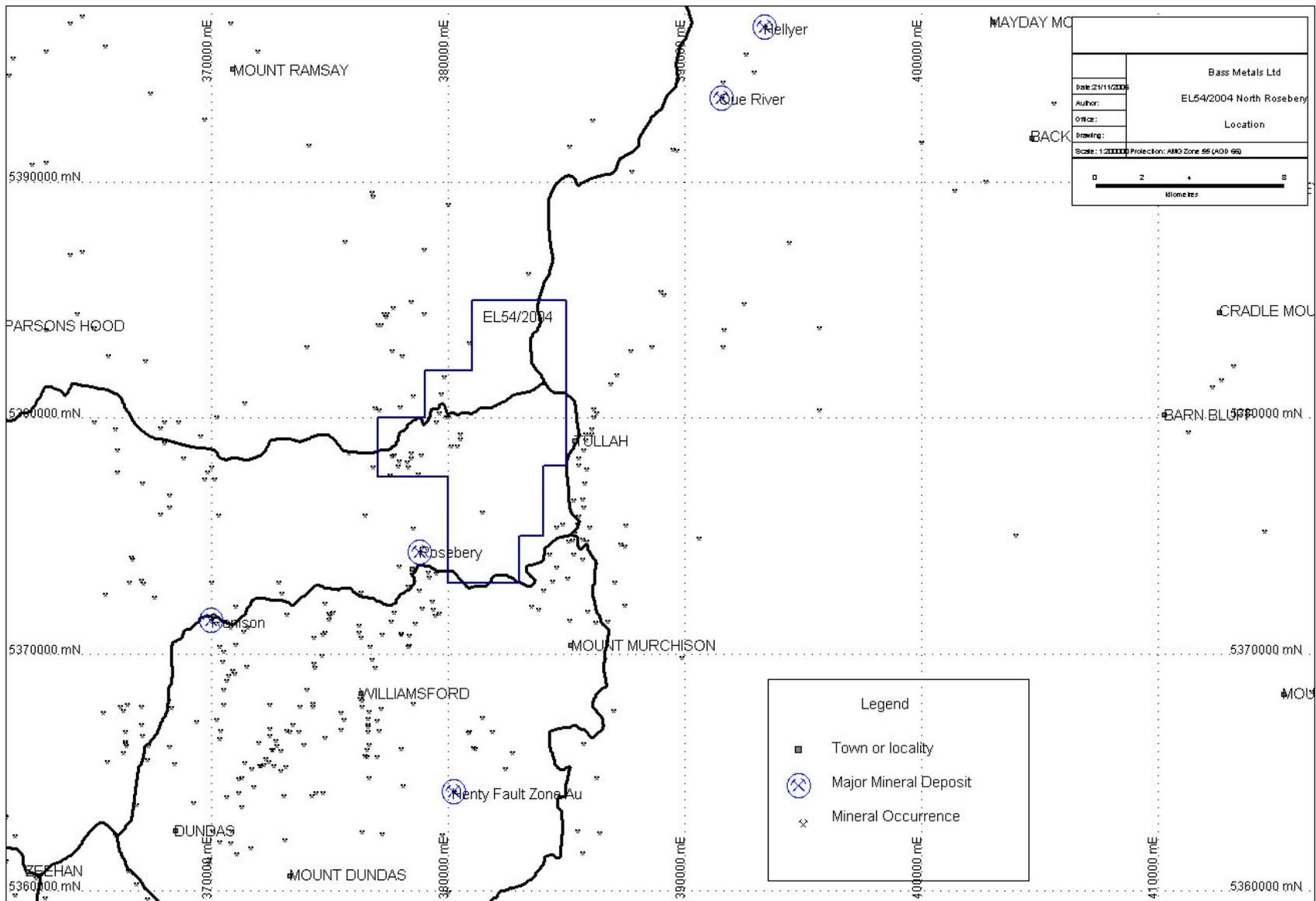


Figure 1. North Rosebery Exploration Licence (EL54/2004) is located in western Tasmania.

1.2 Geology Overview

Geologically the licence covers a portion of the central Cambrian Mt Read Volcanics belt between the Henty Fault to the east and the Rosebery Fault to the west. A small portion of the tenement contains sediments of the Cambro-Ordovician Owen Group. Refer to the Regional Geology Map in Figure 2.

1.2.1 The Mount Read Volcanics

The Mt Read Volcanics are a belt of volcanic, volcanoclastic and sedimentary rocks of Mid-Cambrian age. The belt is famous for hosting Tasmania's world-class polymetallic VHMS deposits (ie. Rosebery, Hercules, Hellyer & Que River). The North Rosebery licence occurs along strike to the north from the Rosebery deposit and is mapped as containing the northern continuation of the Rosebery stratigraphy. The Central Volcanic Complex is host to the Rosebery and Hercules mineral deposits and in the mine areas is subdivided into four units: the footwall pyroclastics, the host rocks, the hangingwall epiclastics and the upper lava-rich sequence (Mt Black Volcanics). Major N-S trending fault zones including the Rosebery Fault, Mt Black Fault and Henty Fault, cut the Mt Read Volcanics in the licence area.

Central Volcanic Complex

The CVC is dominated by proximal volcanic rocks (rhyolite and dacite flows, domes and cryptodomes and massive pumice breccias) and andesite and rare basalt (lavas, hyaloclastites and intrusive rocks) deposited in a marine environment (Seymour et al., 2006).

The Footwall Pyroclastics

The Footwall Pyroclastics consist of a uniform sequence of feldspar porphyritic, vitric-crystal lapilli tuffs which lie below the ore horizon at both the Rosebery and Hercules deposits (Smith & Huston, 1992).

The Host Rocks

The Host Rocks unit at Rosebery and Hercules consists predominantly of sericitic siltstone with minor crystal tuffs, bedded carbonates and up to 30m of pyritic black shale. The Host Rocks and black shale represent a period of quiet sedimentation (Smith & Huston, 1992).

The Hangingwall Epiclastics

This unit disconformably overlies base metal mineralisation and the black shale of the host rocks unit. It contains some inclusions of black shale.

The Mt Black Volcanics (lava-rich sequence)

The overlying Mt Black Volcanics predominantly consist of massive lavas of dacitic to andesitic composition with volcanoclastic units throughout.

Western Volcano-Sedimentary Sequence (Dundas Group)

This unit is coeval with the Central Volcanic Complex of the MRV though older than the Tyndall Group. It is described as including beds of lithicwacke turbidite, mudstone (commonly rich in shards), siltstone and shale. It also contains subordinate intrusive and volcanic rocks, which are commonly andesitic (Seymour *et.al.*, 2006).

1.2.2 The Owen Group

The Owen Group is Cambrian to Ordovician in age and sits unconformably on the Mt Read Volcanics. The unit typically includes large volumes of coarse siliclastic conglomerate composed dominantly of metaquartzite clasts derived from the Tyennan Metamorphics. It also includes turbidite and shallow marine sandstone units (Seymour *et.al.*, 2006). It is not likely to host any exhalative styles of mineralisation such as Taylor and Mathison (1990) report for the younger Gordon Group. However, it could potentially host mineralisation associated with intrusion of Late Devonian–Early Carboniferous granitoids.

1.3 Exploration Rationale

The EL54/2004 licence is along strike from the Rosebery Mine and previous exploration on the licence has identified base metal soil anomalism and encouraging base metal drill intercepts.

The licence lies approximately 5km northeast of the Rosebery deposit and contains the interpreted northern continuation of the Rosebery Mine Sequence. Major faults cutting the licence include the Rosebery Fault and Mt Black Fault.

Target generation by Geoinformatics Exploration Inc has highlighted VHMS style targets within the licence that have not been adequately tested.

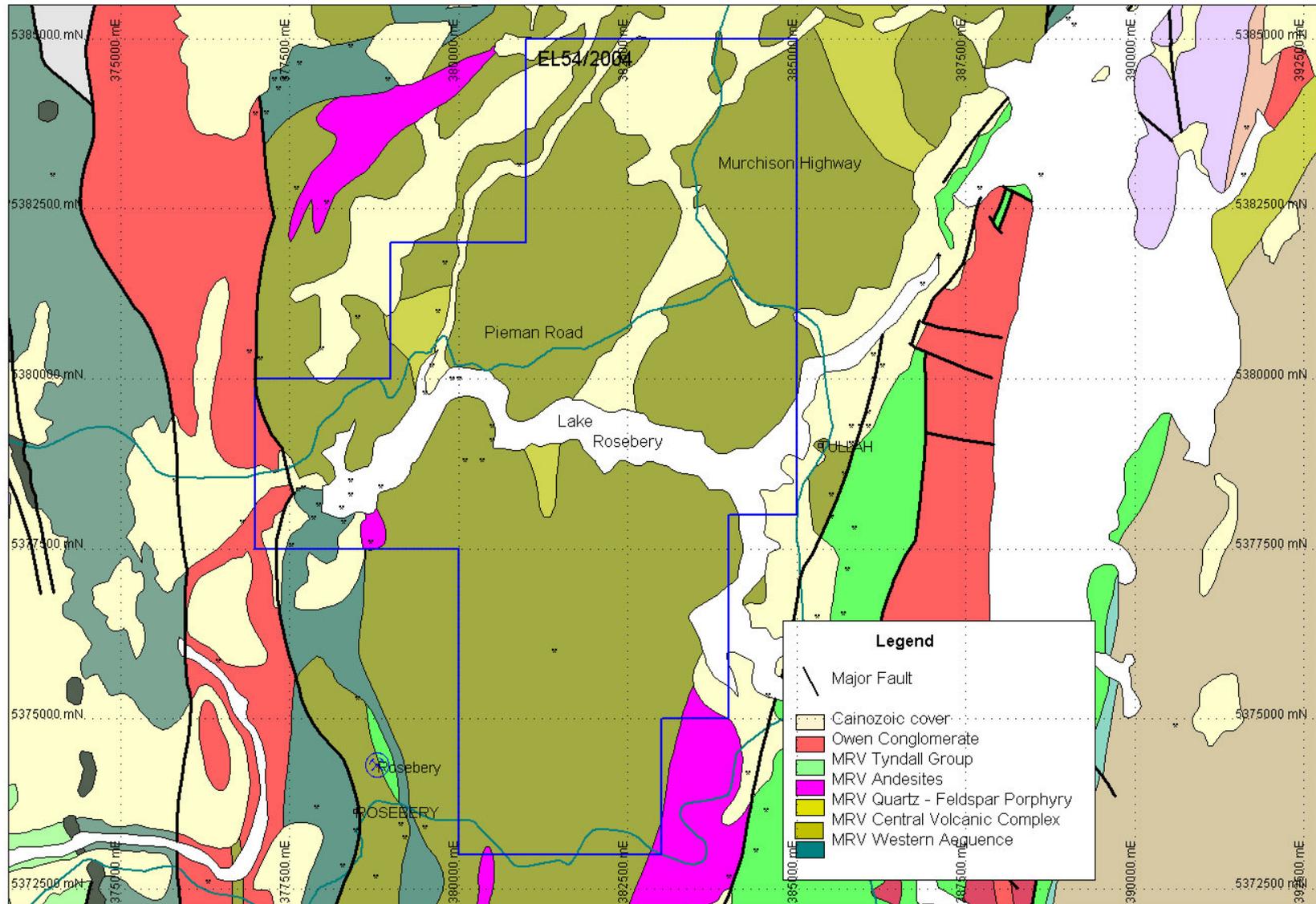


Figure 2. Regional Geology showing Licence Area boundaries, roads and towns.

2. WORK COMPLETED

2.1 Historical Mining

Only small scale historic mine workings are recorded within EL54/2004 North Rosebery but the licence area lies 5km to the northeast of the Rosebery Mine and less than 5km south of the historic Chester Pyrite Mine. Historic workings on the licence include Langdons Mine, Hawkesbury Mine, Cutty Sark and Cutty Sark Consols.

Pre-mining resources of base metal deposits in the vicinity of EL54/2004 include Rosebery (32.7Mt @ 14.5% Zn, 4.4% Pb, 0.58% Cu, 145g/t Ag & 2.2g/t Au), Hercules (3.33Mt @ 17.3% Zn, 5.5% Pb, 0.4% Cu, 171g/t Ag & 2.8g/t Au) and South Hercules (0.56Mt @ 3.7% Zn, 1.9% Pb, 0.1% Cu, 157g/t Ag & 3g/t Au; Seymour et al., 2006).

2.2 Previous Exploration

The Rosebery Zn-Pb-Ag-Au deposit was discovered in 1893 by prospector Tom McDonald and the area surrounding it has been explored since that time. Modern exploration of the North Rosebery EL54/2004 licence area commenced in the 1970's.

Although numerous historical exploration licences have covered the current area of EL54/2004 the majority of historic exploration has focussed on Hercules, Rosebery, and Chester. A summarised version of the exploration history on the licence is given below and for a more detailed summary the reader is referred to Kirsner (1992), McNeill & Wallace (1988) & Parfrey & McNeill (2000):

Date: 1972-1975

Company: Electrolytic Zinc Company of Australasia Ltd

Exploration Philosophy: Targeting VHMS deposits and exploring Rosebery & Hercules mine trends.

Work Completed: Licence along strike both north and south from the Rosebery mine. Geochemistry, geophysics, geological mapping & diamond drilling.

Results and Conclusions: Concluded that the mine stratigraphy continues several kilometres north and south of Rosebery.

Report: Reinhardt, 1972. Williams, 1975.

Date: 1986

Company: Billiton Australia

Exploration Philosophy: Targeting base metal deposits.

Work Completed: Geological mapping, ground geophysics, rock chip sampling & auger soil geochemistry. Work at Langdons and Cutty Sark and Mt Black.

Results and Conclusions: Auger Pb-Zn anomalies defined at Langdons.

Report: Randell, J.P., Purvis, J.G. & Hungerford, N., 1986.

Date: 1988

Company: Aberfoyle Resources Ltd

Exploration Philosophy: Targeting VHMS deposits

Work Completed: Diamond drilling of hole M02 to test a deep CSAMT and UTEM conductor.

Results and Conclusions: No significant results.

Report: McNeill & Wallace, 1988.

Date: 1988- 1989

Company: Climax Mining Ltd

Exploration Philosophy: Targeting base metal deposits.

Work Completed: Auger soil sampling, minor ground magnetics & four diamond drill holes (MBD1-MBD4) to test Billiton UTEM anomalies.

Results and Conclusions: No significant mineralisation intersected but continued exploration around Cutty Sark recommended.

Report: Hine & Scott, 1989.

Date: 1987- 2000

Company: Pasminco Exploration

Exploration Philosophy: Targeting base metal deposits.

Work Completed: Auger soil sampling, geological mapping, downhole geophysics, surface geophysics & diamond drilling.

Results and Conclusions: Low grade Zn intersected at Chester and alteration zone interpreted to extend SW from Chester Mine. Results from Pinnacles, Burns Peak and Farrell included. Lots of data presented and numerous anomalies defined.

Report: Lorrigan, 1990. Kirsner, 1992. Fitzgerald, 1993. Parfrey & McNeill, 2000.

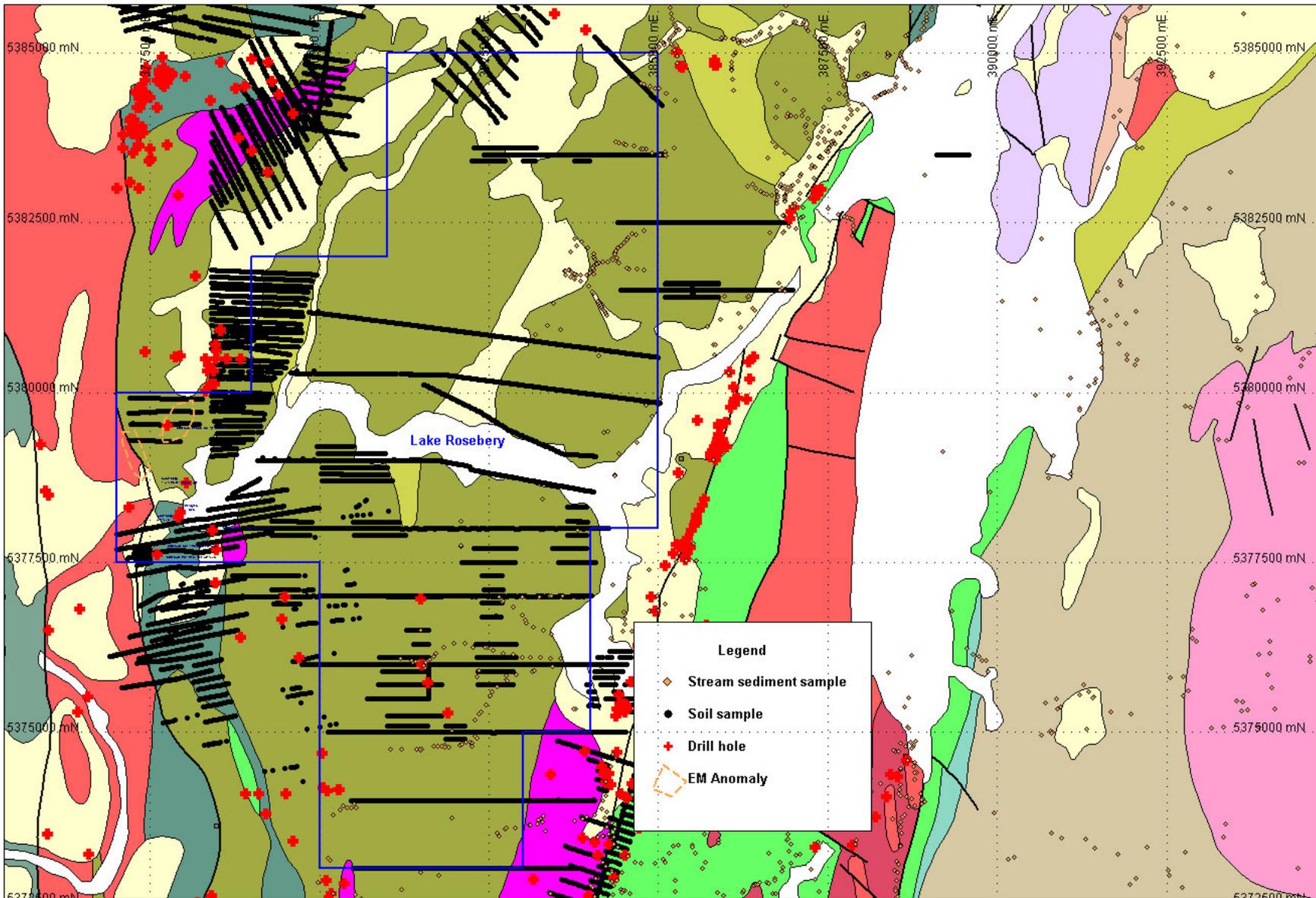


Figure 3. Historical Exploration Activity Map showing old workings and prospects.

3. EXPLORATION COMPLETED 10 AUGUST 2005 TO 9 AUGUST 2006

This section reports on exploration conducted between 10 August 2005 and the 9 August 2006 by Bass Metals and Geoinformatics. Initial work undertaken has consisted of collating previous exploration information in the area as well as acquiring datasets that may be of assistance in targeting VHMS and intrusion-related mineral deposits. The MRT topographic, geophysical and 1:100,000 scale digital geological map series were used as base maps for presenting other historical company datasets. Previous exploration company reports in PDF format were downloaded from the Mineral Resources Tasmania website.

Notwithstanding the significant GIS database that had been compiled at this time, Bass decided to investigate the use of remote sensing in mapping alteration at the licence. Bass had several meetings with Mike Hussey at the CSIRO where it was established that HyMap data was likely to provide the best data source for mapping alteration at the licence. However, after viewing some draft images supplied by Mike Hussey it was decided that vegetation at the licence negatively affected the quality of the data and the data was not purchased.

Initial site visits were conducted throughout the licence area during which time 13 rock chip samples were collected from road cuttings.

3.3 TERRA Satellite (ASTER Data)

Still interested in the idea of using a remote sensing system to map wall rock alteration on a more regional basis, Bass managed to source some ASTER data over the northwest corner of Tasmania. It was decided that the data would be used in a more regional sense than had originally been anticipated.

ASTER is an acronym for 'Advanced Spaceborne Thermal Emission and Reflection Radiometer' and it is an instrument that flies on the Terra Satellite. It collects a similar radiation spectrum to the HyMap instrument but at a lower resolution (4x4m pixels versus 30x30m pixels). Bass had this ASTER data forwarded to Bob Agars at Australian Geological & Remote Sensing Services. A report describing the interpretation methodology utilized is included as Appendix 1.

Bass realized that because of the lower resolution of the ASTER data and the issue of vegetation shielding radiation reflected from the ground surface that the data would be more useful for targeting 'active zones' rather than providing the bulls-eye targets that had originally been hoped for from the HyMap data.

ASTER data failed to indicate any areas that are considered to be anomalous within the North Rosebery licence (EL54/2004). An ASTER image is included as Figure 4.

3.3 Geoinformatics Geological Modelling & Targeting

Bass Metals utilized consultant geologists Geoinformatics Exploration Inc to compile a 3-dimensional spatial database (GIS).

The Geoinformatics process involves the efficient capture of historical data in proprietary Geoinformatics database and software systems (eg IFS & FracSIS). Proprietary software and methods are then used to generate 3-dimensional geological models and targets (Monte Carlo Ranking). The Wilmot work is part of a larger 'Intervention Project' called the MRVIP (Mount Read Volcanics Intervention Project – Stage 1b). The Stage – 1b Project focuses on all of Bass Metals 13 regional licences. A final Stage-2 Project focused on regional target generation without consideration of licence boundaries though is not reported on here.

The Stage 1b Project attempts to incorporate Geoinformatics understanding of the three dimensional controls on world class VHMS mineralization to rapidly provide Bass with high-quality targets in the Wilmot licence for rapid drill testing and other areas for follow-up field work including soil type geochemistry. Models were also developed for the targeting of intrusive related tin systems (e.g. Renison and Mt Bischoff) and intrusive related nickel skarn systems (e.g. Avebury). Targets were identified and ranked according to probabilistic Monte Carlo analysis of best-available 2D and 3D geoscientific data and allowed an assessment of exploration risk and uncertainty.

Much of the data for the project was obtained from open file reports. A data audit of 1,300 reports was completed by Dan Core, Graeme Cameron, Neville Panizza and Helen Ly. Work on the Stage 1b Project commenced in early February 2006 and was largely complete by July 2006. A target workshop with alliance personnel was held at Hellyer in July 2006 and final targets are being delivered in August 2006.

At North Rosebery, Geoinformatics targeting has generated three Rosebery-Hellyer VHMS style targets on the licence (Figure 5). Review of open file data has also identified several historic IP conductors that have not been tested.

Refer to Appendix 2 for a summary Geoinformatics report.

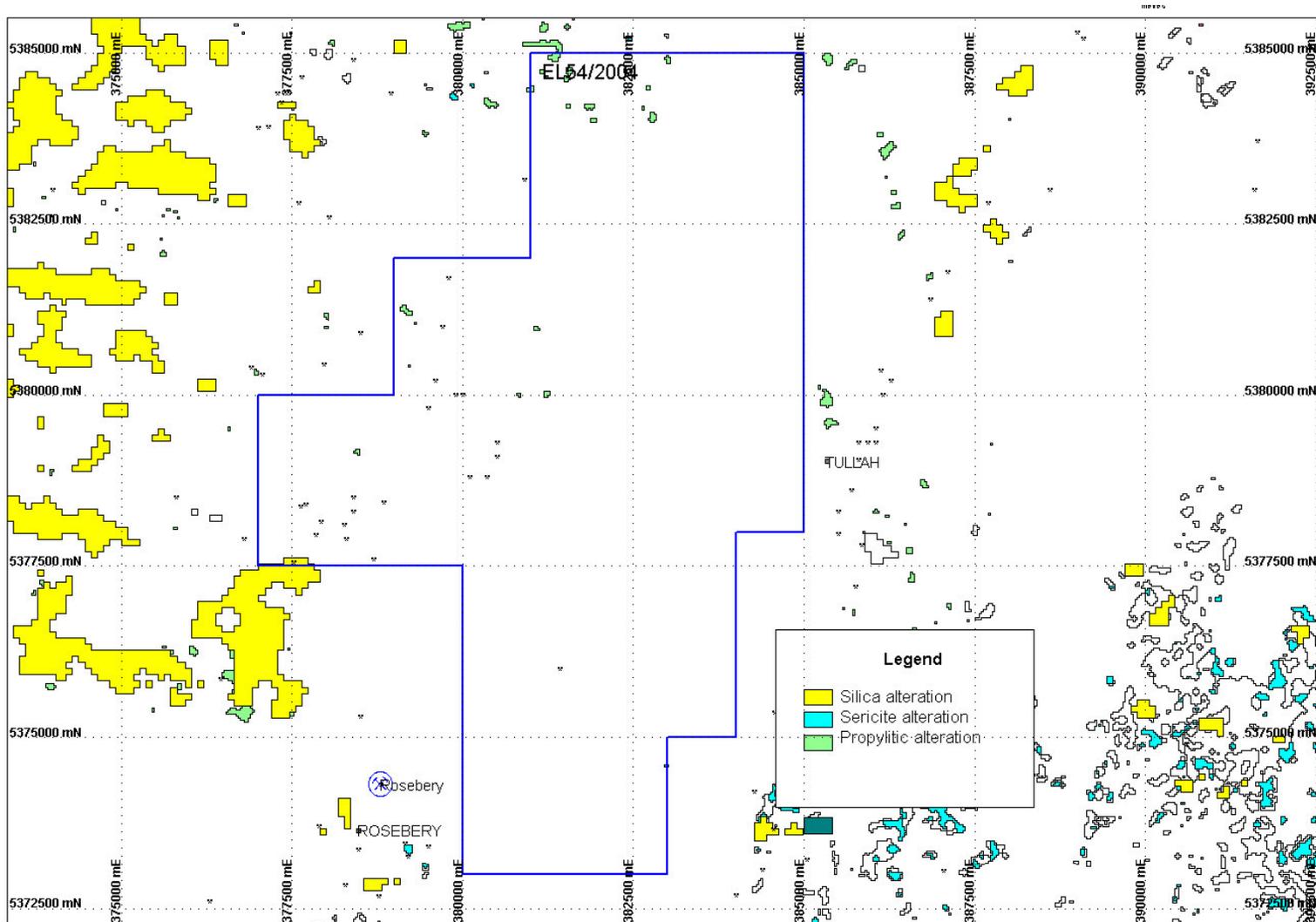


Figure 4. Alteration Map based on processing of ASTER satellite data.

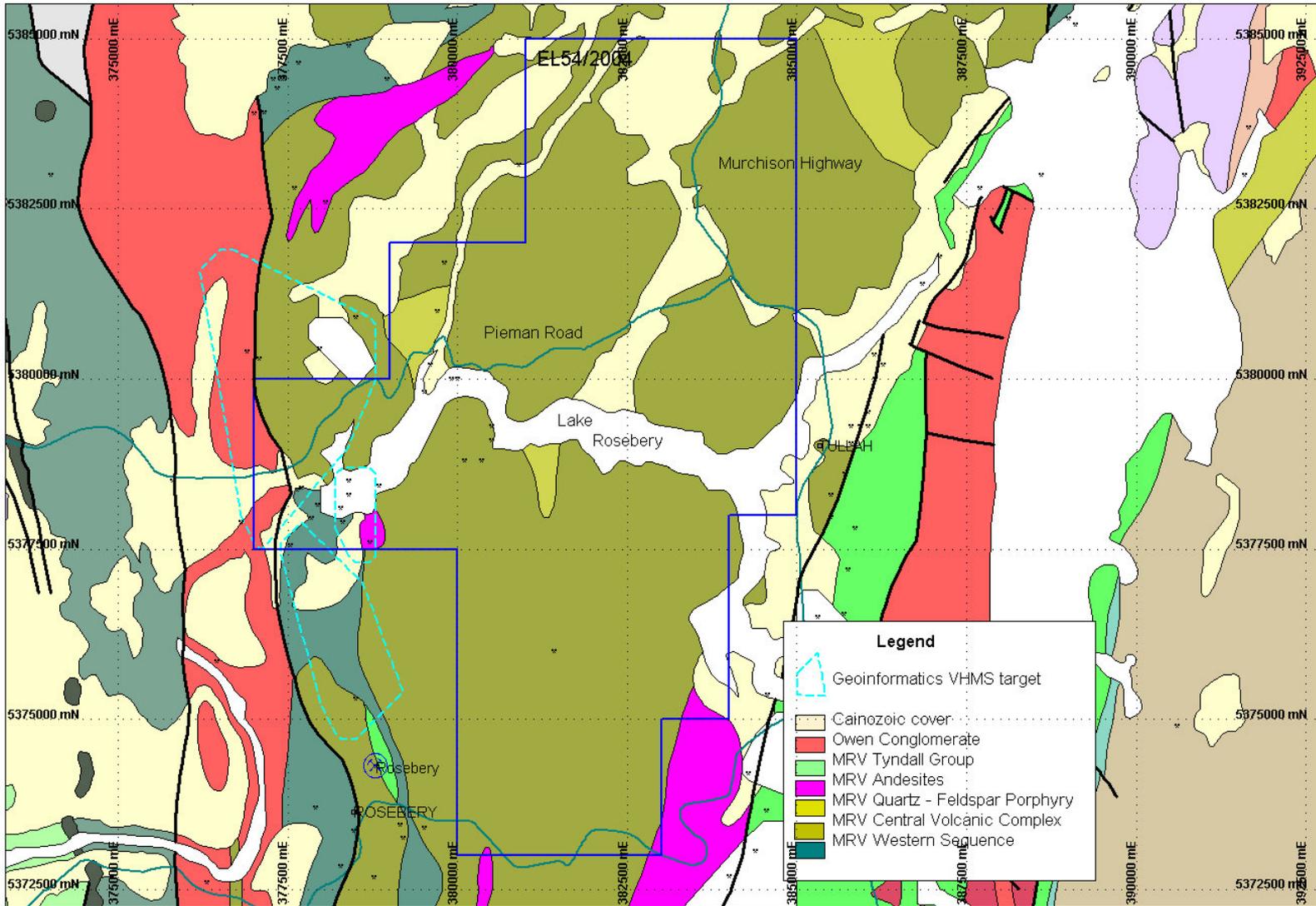


Figure 5. Geoinformatics Generated Targets

3.3 Geological Site Visit & Rock Chip Sampling

An initial site visit to the North Rosebery licence by Bass Metals and Geoinformatics staff occurred in July 2006 with a follow-up visit by Bass Metals staff in August 2006.

During the site visits a cross section through the stratigraphy was traversed from Owen Group sediments in the west, through Rosebery Shale and into variably altered volcanoclastics. The contact between the Rosebery Shale and altered volcanoclastics exposed in road cuttings along the Pieman Road is considered the equivalent stratigraphic horizon to that of base metal mineralisation at the Rosebery Mine located 5km to the south (the Host Rocks unit).

During these site visits thirteen selective rock chip samples were collected and sent to the Burnie Assay Laboratory for multi-element assay (Cu, Pb, Zn, Ag, As, Sb, Tl, Fe% & Au; Figure 6).

Two samples returned anomalous results. Sample NR1 of pyritic altered volcanoclastic assayed 1.3% Pb, 0.3% Zn, 136g/t Ag & 0.14g/t Au while sample NR2 of a quartz vein within volcanoclastic assayed 4.2% Zn & 10g/t Ag.

Rock chip descriptions, locations and assay results are tabulated in Appendix 3.

Note: All coordinates are according to the AGD66 Datum and AMG66 Grid System.

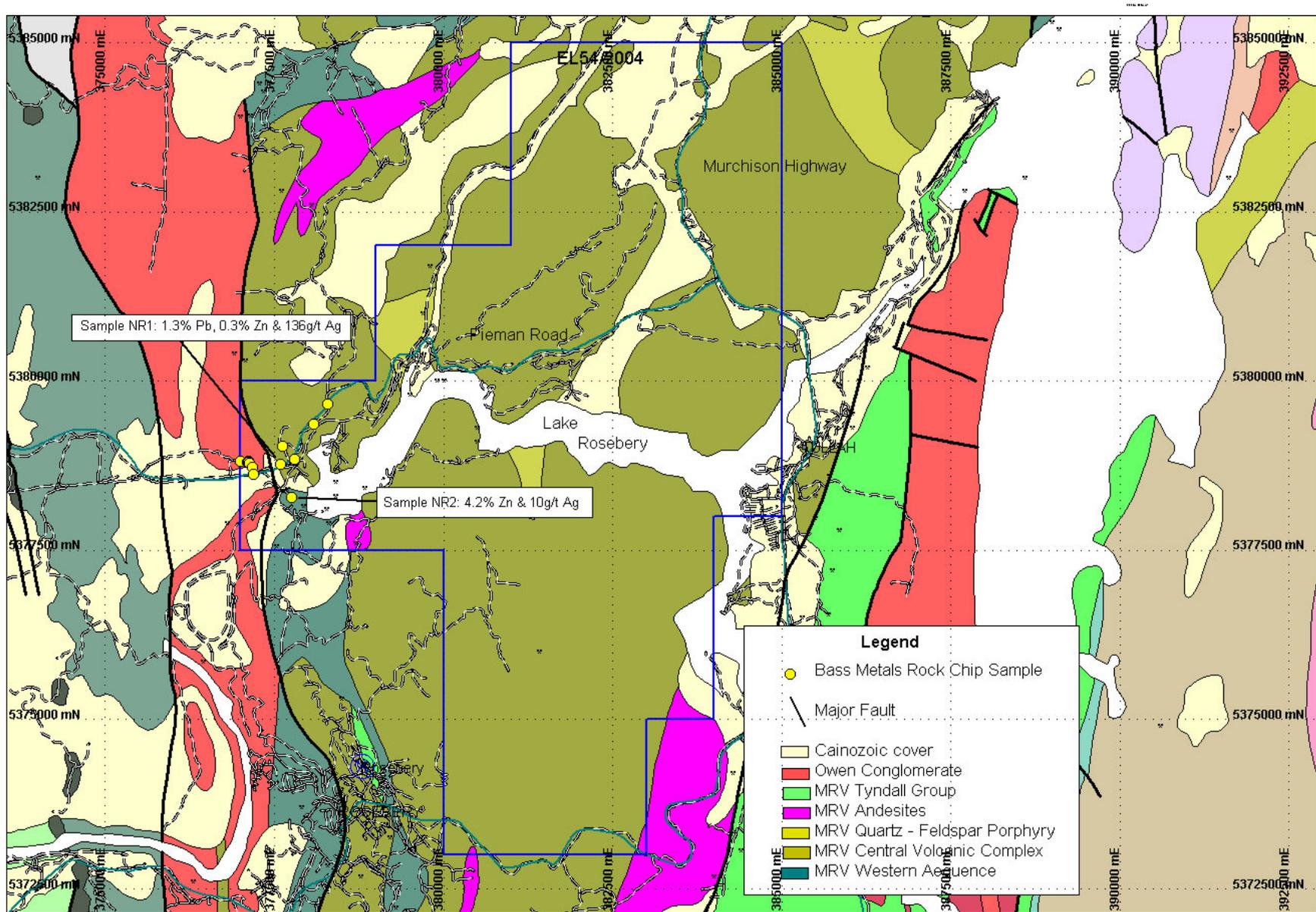


Figure 6. Rock Chip Sample Locations

4. PROPOSED EXPLORATION

Proposed exploration over the next year on the EL54/2004 North Rosebery licence includes:

- Geological mapping & rock chip sampling of Geoinformatics generated target areas.
- Rock chip traverse along the Pieman Road extending from the Rosebery Shale eastward to cross the Mt Black Fault. This traverse will cover in more detail the area that returned anomalous rock chip samples NR1& NR2 reported in this report.
- Soil sampling north of the Pieman Road in an area that has no recorded historic soil coverage.
- Possible drilling dependant on soil and rock chip sampling assays.

5. ENVIRONMENT

The company has environmental policies in place that minimize the impact that exploration activities have on the environment. The policies include guidelines on how to reduce the risk of spreading plant diseases and weeds as a result of day-to-day exploration tasks.

6. EXPENDITURE

	Aug-05 to Aug-06
Administration	\$4,473.98
Geology-Personnel& Overheads.	\$13,527.67
Gridding	
Geochemistry	
Geophysics	
Drilling	
Feasibility Studies	
Rehabilitation	
Safety	\$157.82
Other - Geoinformatics	\$26,580.36
Total - Eligible	\$44,739.83

Table 1. Expenditure 10 August 2005 to 9 August 2006.

Expenditure, for the twelve months 10 August 2005 to 9 August 2006, has primarily been taken up with collation and processing of existing available data, purchase and interpretation of ASTER Satellite data, Geoinformatics Exploration Inc collation and processing costs & mineral deposit targeting activities and an initial site visit and rock chip sampling.

Total expenditure for the period was \$44,739.83.

7. REFERENCES

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APPENDIX 1
ASTER REPORT

APPENDIX 2
GEOINFORMATICS REPORT

APPENDIX 3
ROCK CHIP SAMPLE DATA