

**GRASSTREE RIDGE PROJECT
(BLACK BLUFF RANGE GROUP)
TASMANIA
EL38/2005**

**ANNUAL PROGRESS REPORT
14TH JUNE 2007 TO 13TH JUNE 2008**

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Distribution:

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Mineral Resources Tasmania
Geoinformatics Ltd

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Note: All figures and grids are according to the AGD66 datum and AMG66 grid system.

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ABSTRACT

Bass Metals Ltd (BSM) commenced management of the Grasstree Ridge exploration licence (EL38/2005) on 14 June 2005. Work conducted on the licence for the year ended 13/06/2008 has included:

- Preparation of VTEM proposal
- Familiarisation of area – new team member responsible for exploration licence
- Review of electromagnetic anomaly within the Mount Read Volcanics (MRV).
- Reassessment of targets generated through the Monte Carlo Ranking method.
- Evaluate licence in conjunction with the adjacent Leven River project
- Field visit determining access conditions

Expenditure – Reporting period \$5,964.92

Total to date \$21,989.41

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1. INTRODUCTION

This report is a summary of the exploration activities conducted on the Grasstree Ridge exploration licence, EL38/2005 (Figure 1), for the period of 14 June 2007 to 13 June 2008. The licence covers a total area of 13 km². The Grasstree Ridge licence is subject to an exploration joint venture agreement between Bass Metals Ltd (BSM) and Geoinformatics Exploration Tasmania Pty Ltd. BSM is currently managing exploration of the license from a base at the Hellyer Mine site.

1.1 Location and Access:

The licence is situated in the northwest corner of Tasmania and located along the interpreted northeastern continuation of the Hellyer-Que River stratigraphy. The licence was originally claimed because of this positioning in the Hellyer-Que River stratigraphy.

It is located 42km southwest of Burnie (80km by road), and less than 16km northeast of the Hellyer exploration base, in the west coast region of Tasmania (Figure 1). The tenement adjoins the northwest boundary of the Leven River tenement also held by BSM. Access from the Hellyer exploration base is via private roads running off the Murchison Hwy or Cradle Mountain Link Road. The licence area can be found on the Inglis 1:100,000 topographic map sheet.

Topographically the area is of moderate relief with the majority of the licence area divided between silviculture (timber plantations), Buttongrass moorland and dry Eucalypt forest and woodland. Discreet regions of rainforest and wet Eucalypt forest also occur. Vehicular access is good due to an abundance of private and forestry tracks. The licence area does not encroach on any conservation areas however three small populations of threatened non-forest vegetation have been mapped (refer to reporting period 14th June 2005 to 13th June 2006).

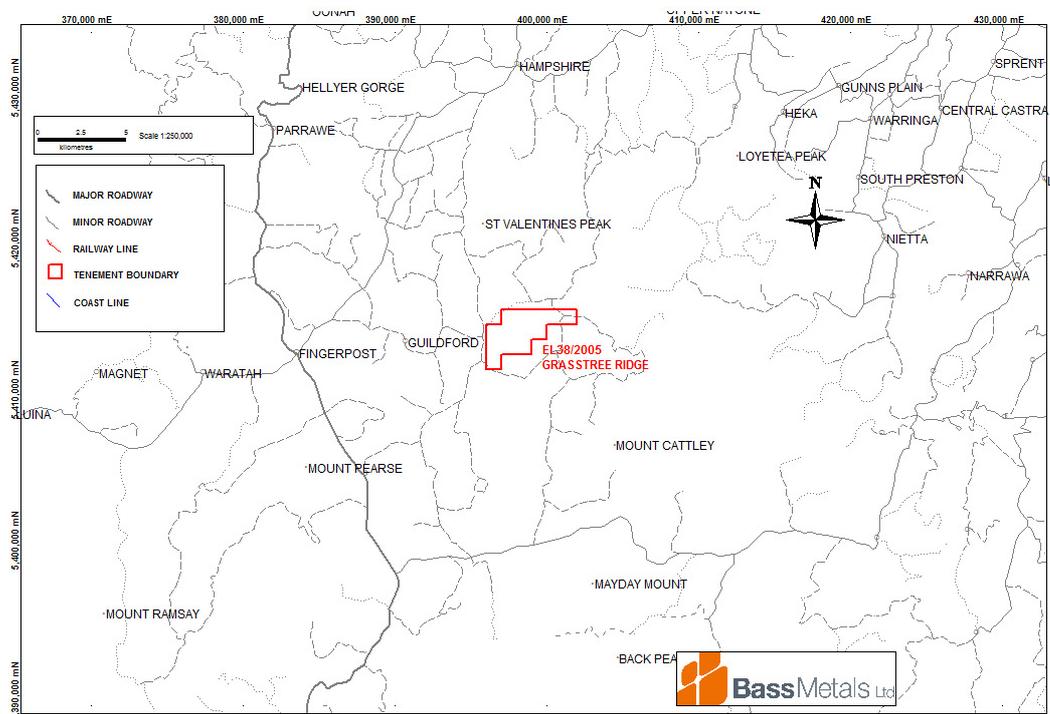


Figure 1. Grass Ridge Exploration Licence (EL38/2005) is located in north-western Tasmania.

1.2 Geology Overview:

The majority of the tenement is covered in a extensive veneer of Tertiary basalt with two discreet inliers of Owen Group and WVS lithologies. Beneath the basalt veneer the Owen Group is interpreted to young to the northwest and is followed by the Ordovician Gordon Group which in turn is overlain by the Silurian-Devonian Eldon Group. To the southeast, the WVS is interpreted to represent the possible extension of the Hellyer-Que River stratigraphy in an anticlinal position. Refer to the Regional Geology Map in Figure 2.

1.2.1 Western Volcano-Sedimentary Sequence (Mt Read Volcanics)

The Western Volcano-Sedimentary Sequence (WVS) of the Mt Read Volcanics (MRV) outcrops in the eastern portion of the tenement. At a regional scale, the MRV 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 (eg Rosebery, Hellyer, Que River).

The Grass Ridge licence occurs along strike to the northeast from the Que River and Hellyer deposits and is mapped as containing the northern continuation of the Que-Hellyer stratigraphy.

Western Volcano-Sedimentary Sequence

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 Owen Group

The Owen Group is Cambrian to Ordovician in age and sits unconformably on the MRV. 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.

1.2.3 Gordon Group

The Ordovician Gordon Group above the Pioneer Sandstone is a shallow-marine to peritidal, platform succession of predominately micritic, dolomitic limestone. The Gordon Group carbonate sequence is an important ore host for skarn mineralisation associated with intrusion of Late Devonian–Early Carboniferous granitoids (Seymour *et. al.*, 2006).

1.2.4 Eldon Group

The Silurian-Devonian Eldon Group is locally disconformable and erosional on the Gordon Group. The lower part of the succession is dominated by shallow-marine quartz sandstone (Crotty and Florence Formations); the upper by a thick, shelf-facies shale unit with minor limestone identified locally as the Bell Shale and correlates (Seymour *et. al.*, 2006).

1.2.5 Tertiary Basalts

Radiometric dates from basalts across Tasmania indicate an age range of between 16.4Ma and 64.5Ma (Everard *et al.*, 2004). These basalts cover the majority of the licence.

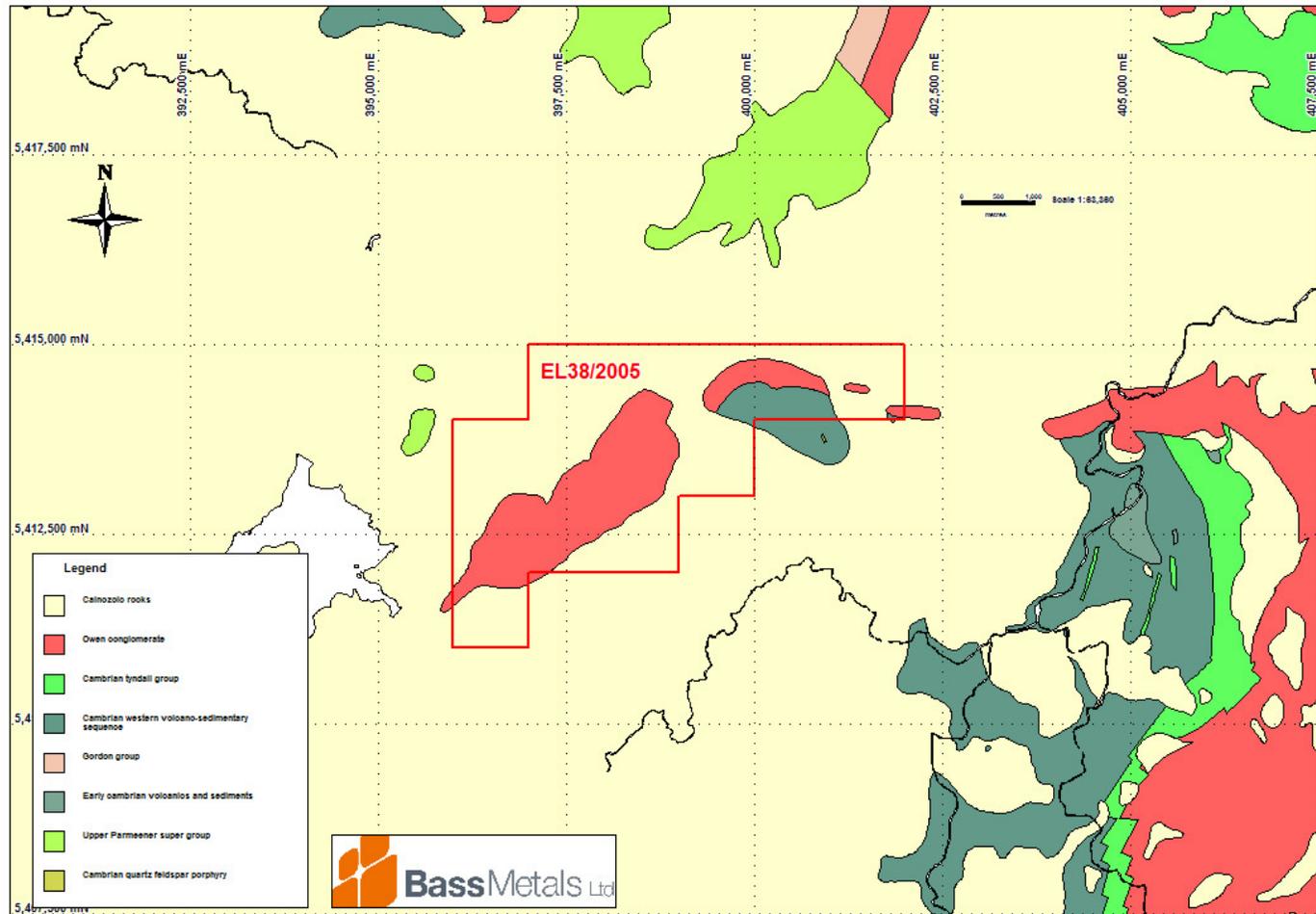


Figure 2. Regional geology showing licence area boundary.

1.3 Exploration Rationale:

A northwest trending fault cross-cuts the Hellyer-Que River stratigraphy through the centre of the licence and passes into the prospective Gordon Group. This relationship is considered prospective for carbonate-replacement mineralisation.

There are no known mineral occurrences within the tenement and only limited field work due to the veneer of Tertiary basalt covering the majority of the tenement.

2. REVIEW OF PREVIOUS WORK – Prior to current tenement;

2.1 Historical Mining:

No records exist in the public domain for work done on the Grass Ridge licence prior to 1977.

2.2 Previous Exploration:

Modern exploration efforts in the Grass Ridge region have primarily concentrated on the exposed MRV southeast of the current licence area. However, some work has been completed over the WVS inlier in the eastern part of the licence (Figure 3). A summary of this work is taken from the open file data available and is presented below.

Date: 1976-1977

Company: Geopeko Limited (JV EZ) EL2/76

Exploration Philosophy: Exploring MRV inliers for Rosebery-style VHMS deposits.

Work Completed: Soil geochemistry and geological mapping.

Results and Conclusions: Mt Read Volcanic inlier is weakly anomalous for Cu, Pb and Zn. Peak values are 100ppm Cu, 650ppm Pb and 820ppm Zn. No further work done [77_1239].

Date: 1979-1989(?)

Company: CRA Exploration (JV Shell) EL36/79

Exploration Philosophy: Exploring MRV for VHMS deposits.

Work Completed: UTEM survey, diamond drilling and geological mapping.

Results and Conclusions: CRA Exploration drilled two holes PD85TH1 and PD85TH2 into the WVS inlier just south of the licence area. The drillholes were planned based on an earlier UTEM survey and were located within the southern half of the Geopeko soil grid (Figure 3). Neither hole intersected mineralisation and further downhole SIROTEM produced no significant conductors. The holes intercepted altered tuffs, minor black shale and weakly altered rhyolite. No further work recommended [87_2652].

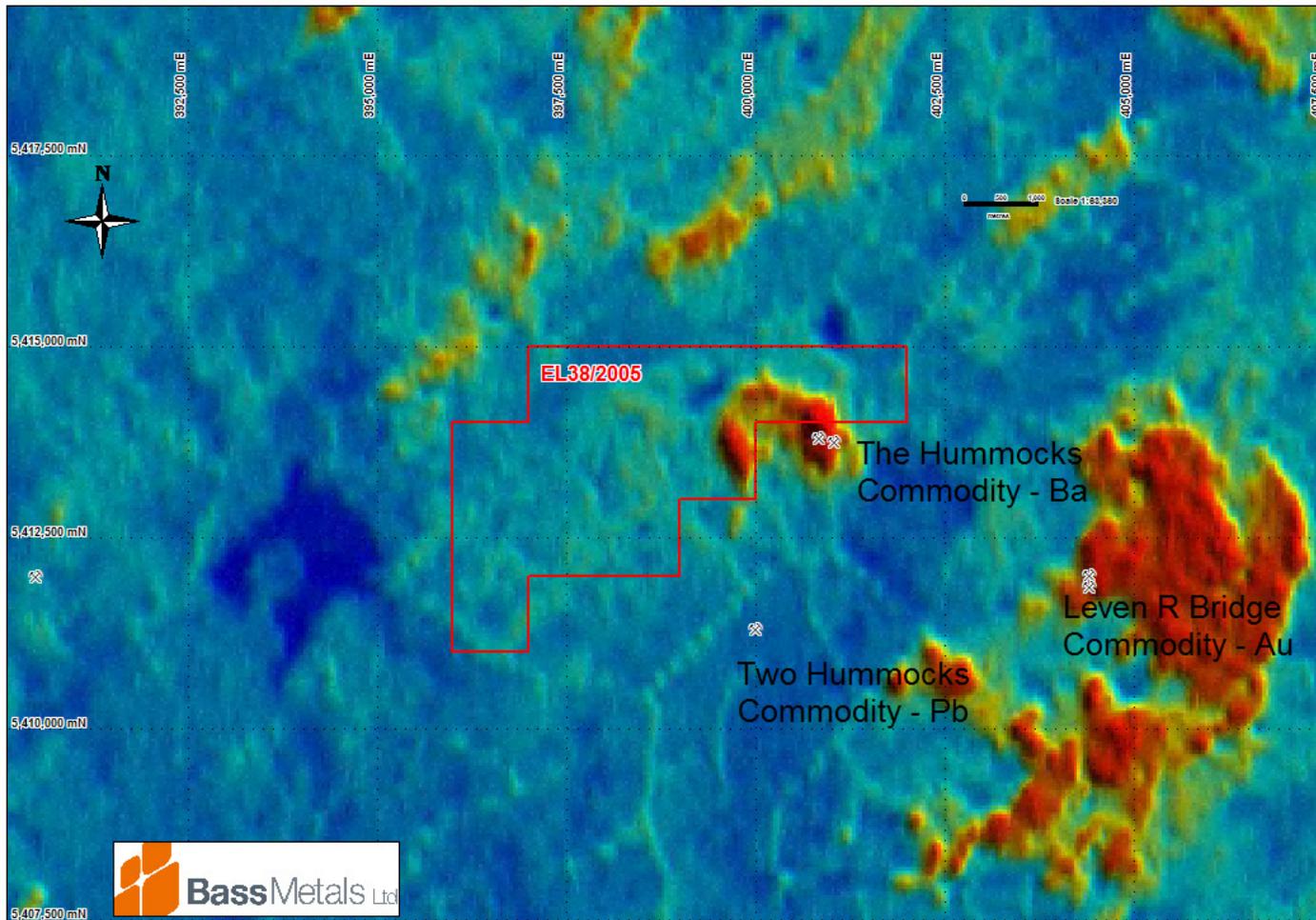


Figure 3. Historical exploration activity map showing old workings and prospects on radiometrics.

3. CURRENT WORK

3.1 Bass Metals Ltd - 14th June 2006 to 13th June 2007

The section below reports on exploration activities carried out between 14th June 2006 and the 13th June 2007. Following execution of the Joint Venture Agreement with Geoinformatics Ltd, BSM actively sought any datasets of potential value for targeting VHMS and carbonate-replacement deposits in the Grass Ridge licence area. The MRT topographic, geophysical and 1:100,000 scale digital geological map series were used as base maps for presenting other historical company datasets. Various company datasets were captured into FracSIS and MapInfo format.

Geoinformatics Geological Modelling & Targeting

BSM utilised consultant geologists Geoinformatics Exploration Inc to compile a 3-dimensional spatial database (GIS).

At Grass Ridge, Geoinformatics generated a single intrusive-related, carbonate-replacement target. The target is located on a regional scale fault believed to cross-cut both the interpreted Hellyer host horizon and the Gordon Group.

A summary report on the Geoinformatics process methodology was included in the 2006/2007 reporting period.

3.2 Bass Metals Ltd – 14th June 2007 to 13th June 2008

Within close proximity to the Hellyer Mine site this licence is considered to represent a possible extension of the Que-Hellyer stratigraphy with several NW trending faults cross-cutting. The target generated by Geoinformatics lies within the Gordon Group of rocks which have been previously considered prospective for carbonate replacement mineralization. This target is located on a regional NW trending fault believed to cross cut both the Hellyer host horizon as well as the Gordon Group.

75 line kilometers of VTEM survey were proposed for the licence extending the existing Hummingbird EM coverage completed by the MRT. With an EM anomaly already identified, the survey was proposed to provide better information of the existing anomaly as well as testing for further targets deeper under cover.

A field visit was undertaken to assess accessibility to the area. Fortunately majority of this licence has previously been cleared by forestry which would enable easy access for ground EM. It was decided that the airborne EM proposal would be rejected and a proposal would be designed for a ground EM program following up on the already existing anomaly and reassessing targets identified by the Monte Carlo ranking method.

Once undertaken a more precise evaluation can be made in conjunction with the adjacent Leven River project.

4. PROPOSED EXPLORATION

Proposed exploration over the next year is dominated by a tenement-scale ground electromagnetic survey, and the execution of the outstanding soil geochemical sampling program; which due to the significant amount of land clearing will not entail as much gridding as was initially calculated.

Should the ground EM and combined soil geochemistry results indicate significant anomalism, a drilling program will be designed to test identified targets.

As yet no proposals have been submitted to the MRT for approval.

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.

The attached Environmental Activity Map in Figure 4 shows the location of the licence relative to conservation areas. Three small populations of Threatened Non-Forest Vegetation encroach on the Grass Ridge licence. These populations shall be strictly avoided where possible.

Land Tenure

The Grasree Ridge Exploration Licence comprises:

- Private Parcel

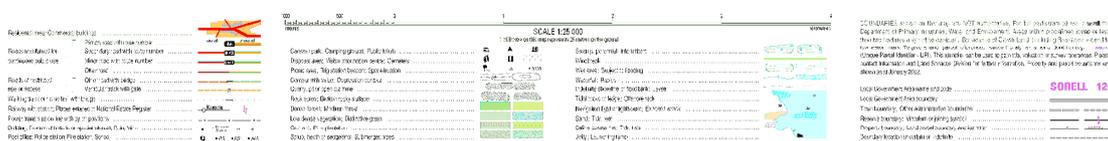
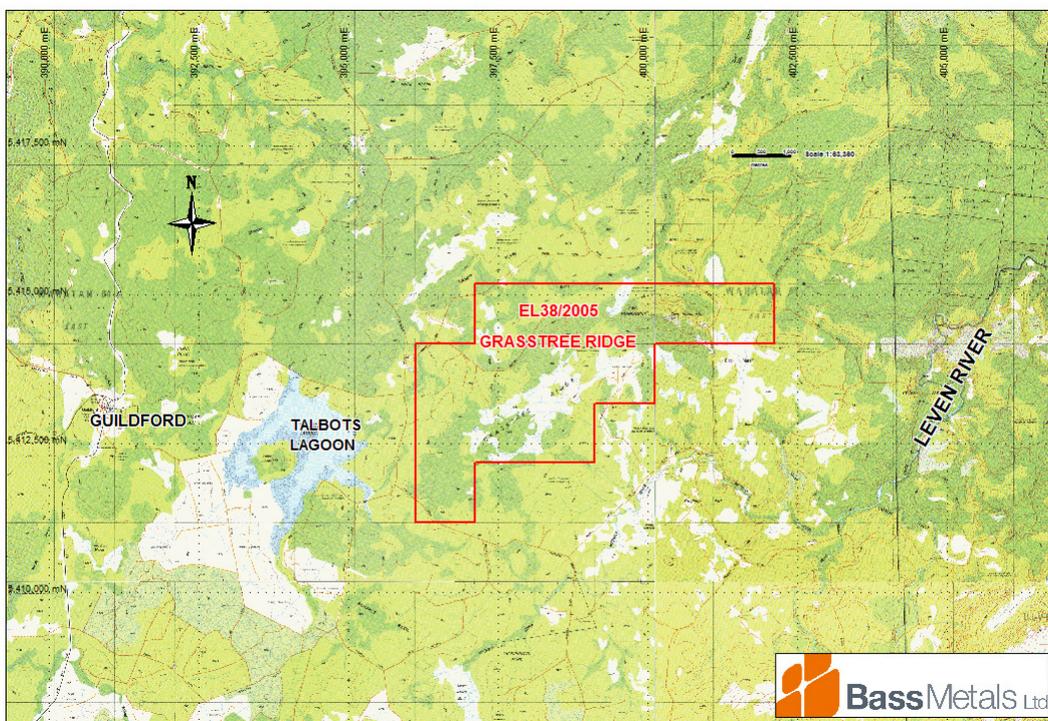


Figure 4. Environmental Activity Map

6. EXPENDITURE

June 2007 - June 2008		
Geoscientific Costs	Geology	5,706.78
	Geochemistry	
	Geophysics	
	Remote Sensing	
Drilling & Gridding Costs	Gridding	
	Drilling	5.54
	Land Access Costs	
	Rehabilitation Costs	
	Feasibility Study Costs	
	Other Costs	
	Admin Costs	252.60
	Total - eligible	\$5,964.92

Table 1. Expenditure 14 June 2007 to 13 June 2008.

**Includes expenditure up to 31st April 2008*

Expenditure for the twelve months between 14 June 20067 and 13 June 2008, has primarily been taken up with the preparation of a VTEM proposal and methods to evaluate existing targets and comparability with adjacent deposits.

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