

**MT BLOCK PROJECT  
(LAKE MACKINTOSH GROUP)  
TASMANIA  
EL48/2003**

**PARTIAL RELINQUISHMENT REPORT  
10<sup>th</sup> June 2013**

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**Note: All figures and grids are according to the GDA94, Zone 55 datum otherwise stated**

## **EXECUTIVE SUMMARY**

Bass Metals Ltd (BSM) commenced management of the Mt Block exploration licence (EL48/2003) on 11 June 2006. At the end of the 9<sup>th</sup> year of tenure (ended 10/06/2013) Bass has relinquished the southern part of EL48/2003, reducing the licence from 50sq km to 27sq km. This report summarises the work that has occurred on the relinquished area.

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## **1 INTRODUCTION**

This report is a summary of the exploration activities conducted by Bass Metals on the portion of the Mt Block licence EL48/2003 relinquished in June 2013.

### **1.1 Tenure**

EL 48/2003 was granted for five years to Saracen Metals Pty Ltd (Saracen) on 11<sup>th</sup> June 2004 and transferred to Bass Metals Limited (Bass) on 19<sup>th</sup> October 2006. On 13<sup>th</sup> March 2009 the licence area was reduced from 65 to 50 square kilometres. At the end of the current reporting period the licence has been reduced further to 27sq km.

The retained licence area excludes two mining leases held by Bass Metals Ltd, CML 103M/1987 Hellyer and ML 68M Que River.

The Mt Block exploration Licence comprises:

- MDC Informal Reserves
- State/Multiple Use Forest
- HEC Land
- Part of Reynolds Falls Nature Recreation Area
- Part of Mackintosh Forest Reserve

### **1.2 Location and Access**

The tenement is located 3 to 18 km's north-northeast of the township of Tullah, on the west coast of Tasmania (Figure 1). Access to the area is via the Murchison Highway which skirts the licences western boundary and tracks which access via the 220kv transmission lines which traverse the area. Access within the tenement is via a limited number of 4WD tracks and ATV-only tracks.

The licence area lies on the Sophia (#8014) 1:100,000 map sheet and Charter (#3839) and Block (#3838) 1:25,000 topographic map sheets.

### **1.3 Geology Overview**

The rocks which outcrop over the area of EL 48/2003 "Mt Block" are almost all the Middle Cambrian Mt Read Volcanics, a belt of calc-alkaline volcanics which extend from Elliott Bay on Tasmania's west coast around to Deloraine in the central north (see figure 1). The only exceptions to this are some areas with Quaternary alluvial or glacial sediment cover.

The Mt Read Volcanics host a number of volcanic hosted massive sulphides and precious metal deposits including the world class Rosebery, Mt Lyell and Hellyer deposits (figure 1). The Mt Block area is prospective for similar deposits and it is this style of mineralisation which has been the target for exploration within the area.

The base and precious metal deposits of the Hellyer-Mt Charter area are hosted by the Que-Hellyer Volcanics (QHV), a package of dominantly mafic to intermediate volcanic, near the top of the Middle Cambrian Mt Read Volcanics (see figures 2 and 3).

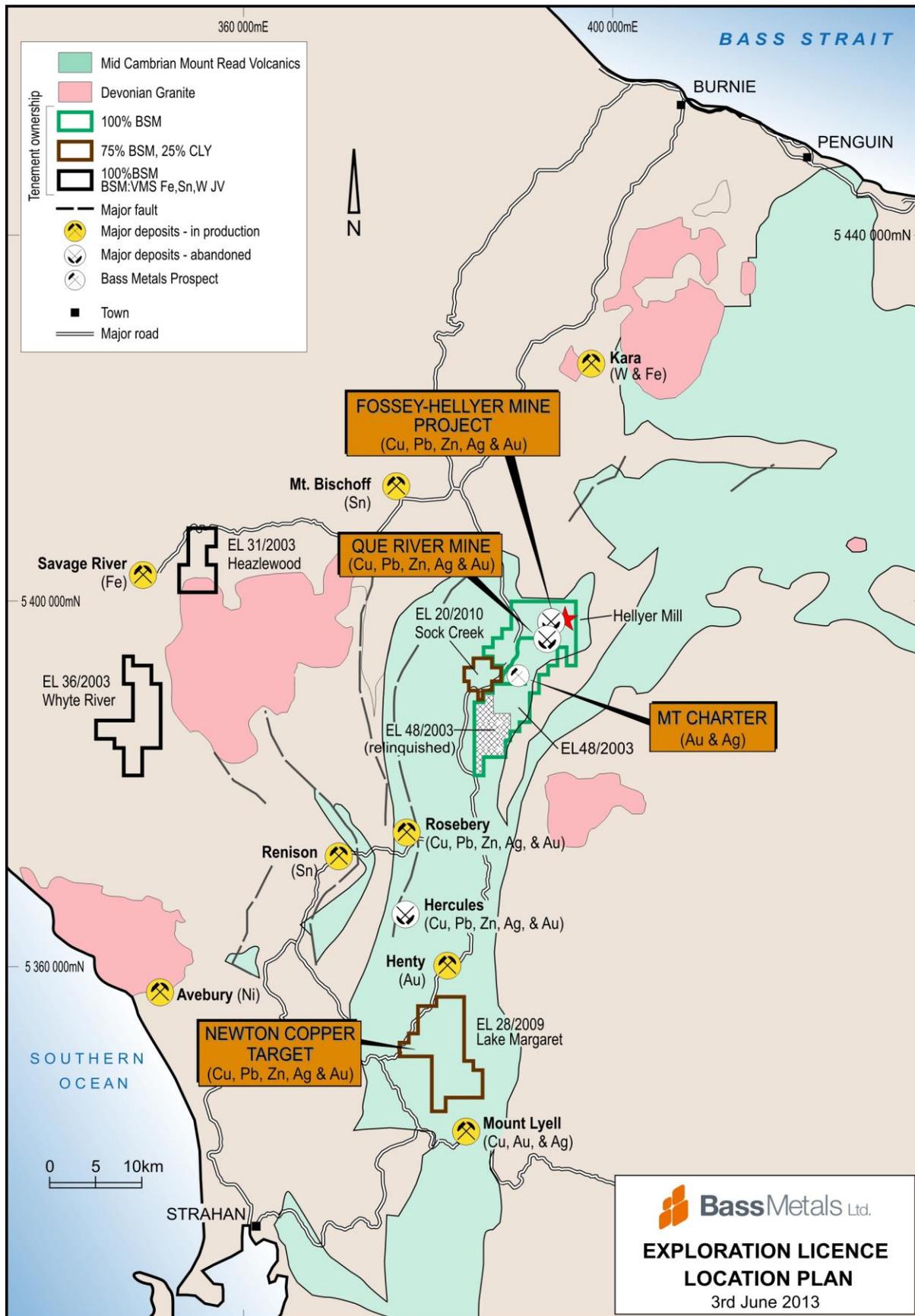
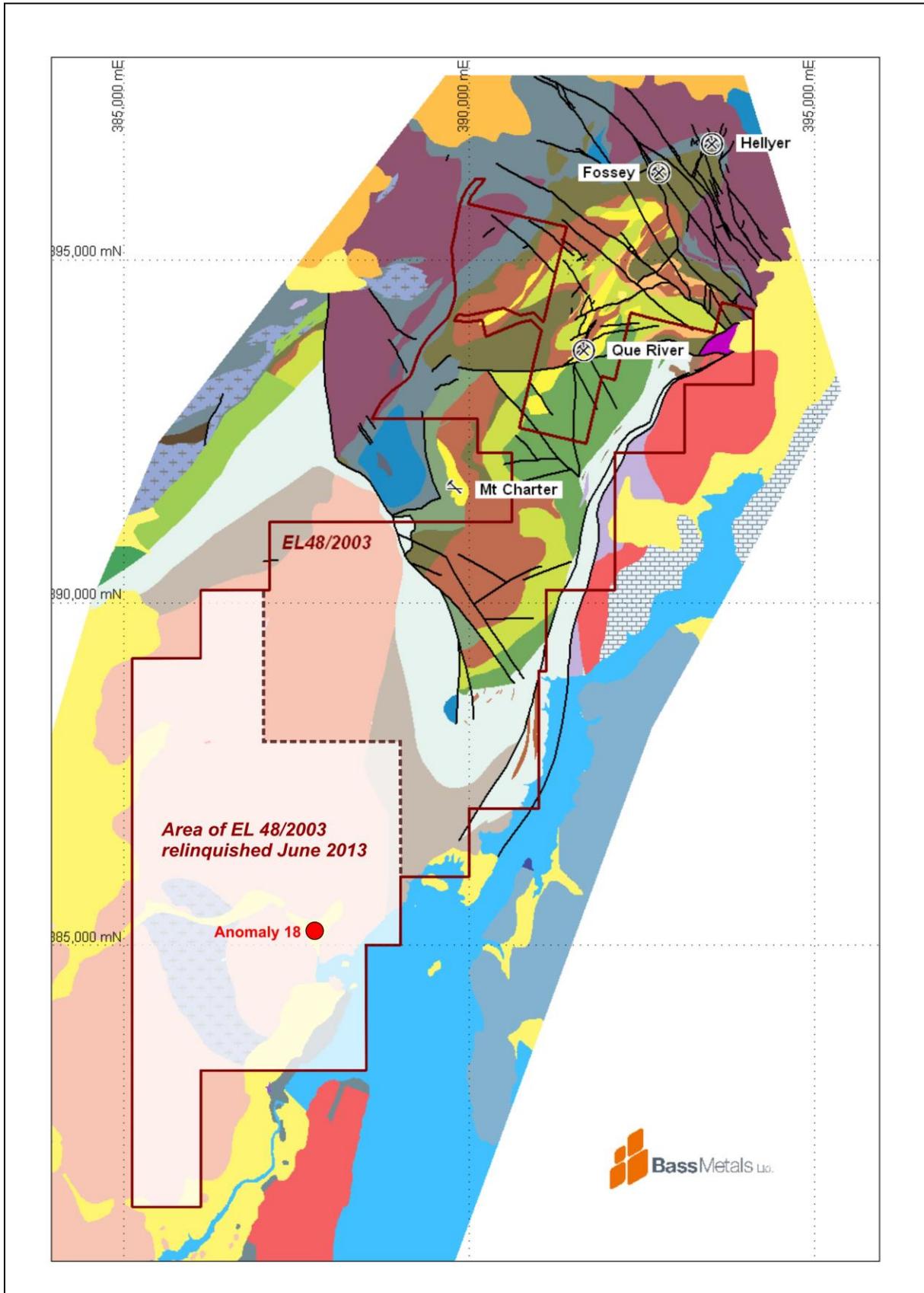
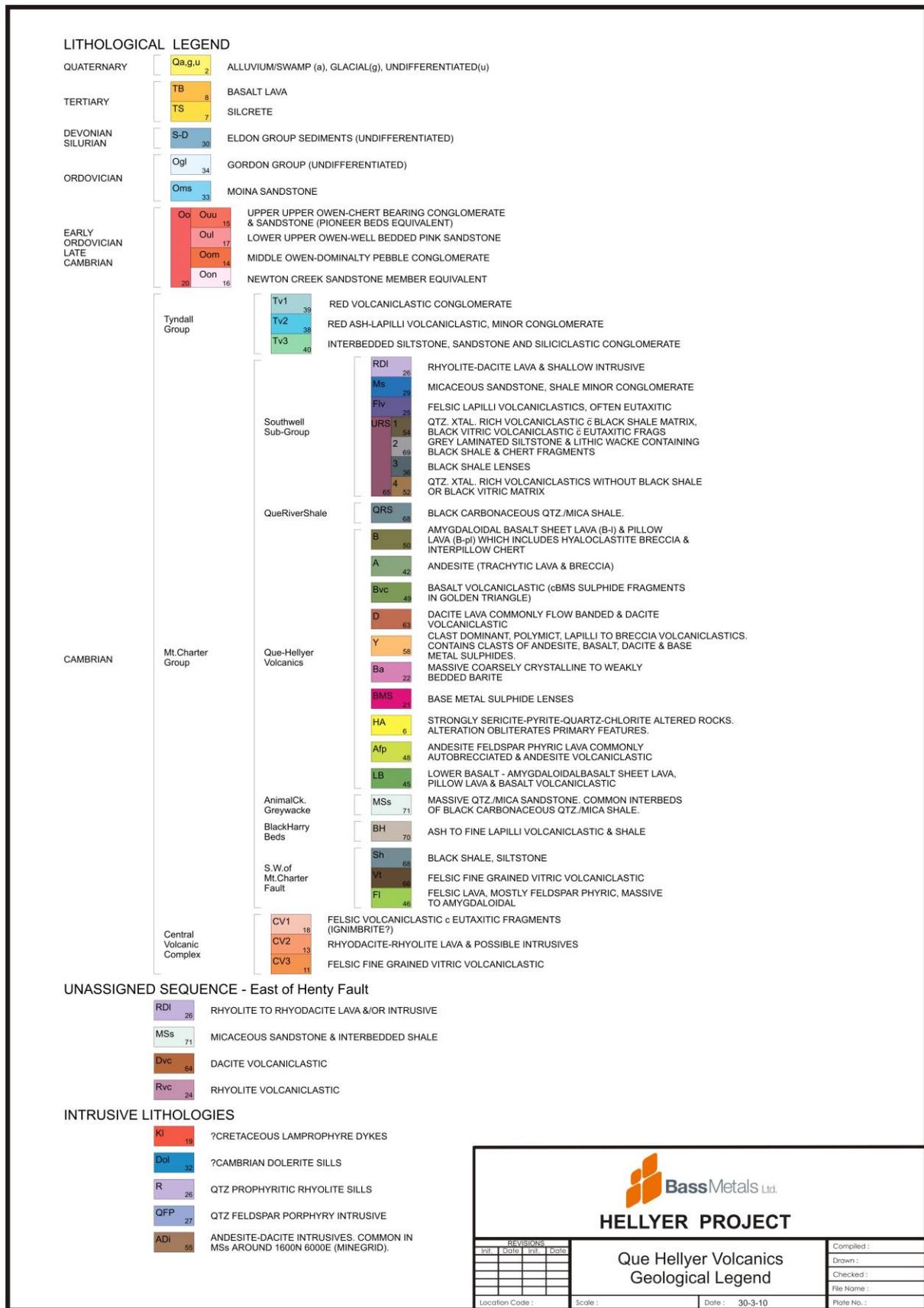


Figure 1. Location Map



**Figure 2. Regional Geology Map - showing the location of the relinquished area and “Anomaly 18” discussed in the text (legend is in Figure 3 on following page)**



**Figure 3. Geological legend for Figure 2**

### 3.0 WORK COMPLETED ON THE RELINQUISHED AREA

#### **Saracen Mineral Holdings – June 2004 to October 2006**

Work by Saracen during the first two years of the licence, focused on compilation of historical Pasmaenco and Aberfoyle data. This data, in combination with the Mineral Resources Tasmania 2002 Hummingbird EM survey, was used to define targets over a large area of the Mount Read Volcanics. A number of Airborne EM anomalies have been identified in the relinquished part of EL 48/2003. The location of these anomalies is detailed in Staltari (2005) and (2006). An interpretation report by the Saracen's geophysical consultant Dr J Silic was included in Staltari (2005).

#### **Bass Metals – October 2006 to June 2013**

Bass Metals has focused its' exploration effort on the Que Hellyer Volcanics in the northern part of EL48/2003. The only work carried out by Bass on the relinquished area of EL48/2003 was a field visit in January 2008 to Saracen's "anomaly 18", as identified in Staltari (2005).

Anomaly 18 is an isolated EM response that seems to strike a NW direction, situated North-West of Tullarbardine Dam (Figure 2). The relationship between the coaxial and coplanar anomalies suggests a relatively flat dip.

The vegetation around the anomaly is very thick. Observations were made of float and a cliff immediately adjacent to the anomaly area. The rock comprised felsic / intermediate volcanic with no significant alteration. It was concluded that the target may represent Quaternary alluvium or water saturation due to connectivity with nearby Lake Mackintosh. However, the anomaly is also spatially co-incident with a significant NE striking fault and in close proximity to the intersection of this structure with the Henty Fault system so the prospectivity of the target area was not entirely discounted.

No further work was proposed by Bass Metals.

### 4.0 REFERENCES

**Silic, J., 2004** Interpretation of Mt Read 2001/2002 Tasmanian Geological Survey Helicopter EM data, EL 47/2003 "Tullah" and EL48/2003 "Mt Block", for Saracen Mineral Holdings. Unpublished report to Mineral Resources Tasmania

**Staltari., G. 2005**, Saracen Metals Pty Limited, Exploration Licence 48/2003 – Mt Block Annual Report, Period ending 11 June 2005. Unpublished report to Mineral Resources Tasmania.

**Staltari., G. 2006**, Saracen Metals Pty Limited, Exploration Licence 48/2003 – Mt Block Annual Report, Period ending 11 June 2006. Unpublished report to Mineral Resources Tasmania.