SOCK CREEK
(Bulgobac River)
TASMANIA
EL20/2010

FINAL REPORT
17th December 2014 – 31st October 2015

Tenement Holder/Manager
Bass Metals Ltd.
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Joint Venture Partner
Geoinformatics Exploration Australia Pty Ltd
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Orange, NSW, 2800

Geologist:
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Senior Exploration Geologist

Distribution:
Mineral Resources Tasmania
Clancy Exploration
Bass Metals Ltd

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 Sock Creek exploration licence (EL20/2010) on 16th December 2010. This tenement is a joint venture with Geoinformatics Exploration Australia where Bass Metals is the Holder / Manager.

During 2014 Bass Metals completed a lithogeochemical and Short Wave Infrared (SWIR) study of historic drill core from EL20/2010. Despite occasionally weakly anomalous results, no consistent pathfinder element, major element enrichment or depletion, or SWIR spectral signature, indicative of proximity to VHMS mineralisation, was recognised from the historic drill core.

The lack of a priority target, combined with Bass’ current financial difficulties has meant that the company has decided to concentrate on its’ Que Hellyer Volcanic tenements.

Consequently Bass Metals has decided to relinquish EL20 / 2010.

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<th>Expenditure –</th>
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<th>$3,690</th>
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1.0 INTRODUCTION

This report is a summary of the exploration activities conducted on the Sock Creek Exploration Licence EL20/2010, for the period 17th December 2014 to 31st October 2015.

1.1 Tenure

EL 20/2010 was granted for five years to Bass Metals Ltd (BSM) on 16th December 2010.

1.2 Location and Access

The tenement arose from the relinquishment of EL33/2006 by MMG and is located 8km south-west of the Hellyer Mine and 3km east of the Murchison Highway (Figure 1). Access into the area is via Forestry tracks beginning on the High Point of the Murchison Highway.

The licence area lies on the Charter (#3839) and Block (#3838) 1:25,000 topographic map, the Burnie (#SK55-3) 1:250,000 and the Sophia (#8014) 1:100,000 sheets.

1.3 Geology Summary

A summary geological map of EL20/2010 is shown below as Figure 2. The Cambrian stratigraphy is interpreted as west facing, with shallow to moderate dips to the NW.

The stratigraphic subdivisions and mapping used in this report are from work undertaken and compiled by Zinifex, (Skirka and McNeill, 2006). EL 20/2010 covers three main Cambrian stratigraphic associations (refer to Figure 2).

- Basal sediments of the Black Harry Beds (Ebh) and Animal Creek Greywacke (Eag)

- The Sock Creek Volcanics (SCV) which are dacitic to rhyodacitic in composition and are broadly correlated with the Que Hellyer volcanics (QHV).

- Overlying the SCV is a complex of shales (Esh), intrusive quartz-feldspar porphyries (Eqfp) and minor volcaniclastics, correlated with the Southwell SubGroup.

The SCV comprise texturally variable aphyric to quartz and feldspar phyric to amygdaloidal flows and minor associated volcaniclastics (Edl). The lavas often interfinger and are overlain by a mixed unit of quartz-feldspar epiclastics (Exv), particularly in the south of the licence. A unit of amygdaloidal basalt lava and hyaloclastite (Eb) also occurs in the south of the licence. This unit is geochemically similar to the Hellyer Basalt.

Overlying the SCV is grey siltstone, shale and quartz crystal rich volcaniclastic sandstone (Esh). This unit hosts the bulk of the mineralisation at the Sock Creek Prospect, where it occurs between the dacites and quartz feldspar porphyry.

Rhyolitic quartz feldspar porphyry (Eqfp) is interpreted as a sill emplaced within the basal part of the siltstone (Esh), which may have been unlitified, as peperitic contacts have been observed at the Sock Creek Prospect.
The Cambrian rocks are unconformably overlain by Tertiary basalt, in the north of the tenement, and / or Quaternary glacials, to the west and south. Major structures on the EL include the N-S trending Mt Charter Fault, in the northeast corner of the tenement. The regional magnetic and gravity data highlight the presence of several major, apparently deep-seated, unmapped or poorly mapped structures trending broadly E-W.

Two zinc-dominated and precious metal poor sulphide occurrences are known on the EL and these constitute the two main prospects on the tenement.

These are:

- Sphalerite with lesser pyrite-galena-chalcopyrite in net-veins on the contact between quartz-feldspar porphyry and black shale at the Sock Creek Prospect, with the best intersection of 1.7m @10% Zn, with a general tenor around 2-5% Zn over 5-10m.

- Weak disseminated sphalerite in black shale and volcanogenic sandstone at the Sock Creek South prospect, with the best intersection of 1m @ 2.5% Zn in hole SCS3.
Figure 1. EL 20/2010 Location Map
Figure 2. Regional Geology Map (AMG66, Zone 55)

Mapping from Zinifex, Skirka and McNeill (2006)
2.0 EXPLORATION HISTORY

Exploration history was described in the 2011 Annual Report (Denwer, 2011).

On tenements adjacent to EL20/2010, covering the Que Hellyer Volcanics, the combined use of whole rock geochemistry and Short Wavelength Infrared Spectroscopy (SWIR) has been shown by Bass to be an effective way to highlight prospective areas for VHMS mineralisation and to vector towards the known orebodies.

In 2011 Bass Metals commenced a Short Wave Infrared (SWIR) and lithogeochemical study of historic drill holes on EL20/2010. It was planned to complete this survey during 2012 and 2013 but Bass’ adverse financial circumstances prevented this from being achieved. This work was completed during 2014 and was described in the 2014 Annual Report (Richardson, 2014).

Despite occasionally weakly anomalous results, no consistent pathfinder element, major element enrichment or depletion, or SWIR spectral signature that is indicative of proximity to VHMS mineralisation, was recognised from historic drill core from Sock Creek EL 20/2010.

3.0 WORK COMPLETED

No field work was completed on EL 20/2010 during the reporting period.

Due to the analogous stratigraphic setting of the Sock Creek South prospect to the Hellyer area, Bass did propose a single diamond hole at that prospect for 2015 but financial constraints have meant that this has not been possible.

4.0 CONCLUSION

Bass has been in financial difficulties since 2012 and has now decided to concentrate on its’ Que Hellyer Volcanic tenements.

Consequently Bass Metals has decided to relinquish EL20 / 2010.

5.0 ENVIRONMENT

No work was carried out on EL 20 /2010 that requires rehabilitation.
6.0 EXPENDITURE

Expenditure on Sock Creek EL 20/2010 for the reporting period up to the 31st October 2015, is $3,690. Details are shown below in Table 1. Total expenditure over the life of the licence is $78,821.

Table 1: Expenditure 17th December 2014 to 31st October 2015

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<td>Drilling</td>
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<td>Rehabilitation Costs</td>
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7.0 REFERENCES

