

**Lottah Mining Pty Ltd**

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**Annual Report**

**on**

**Exploration Licence 14/2014**

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For the period

14/09/2014 – 14/09/2015

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For

Lottah Mining Pty Ltd

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## MAP CONVENTIONS

Coordinates in this report and in digital data associated with this report are recorded as AGD\_66 Zone 55.

## EXECUTIVE SUMMARY

This report covers exploration activities completed on EL14/2014 Mt Montgomery. The EL forms part of a tenement package prospective for Magnetite and Tungsten mineralisation around the House Top Granite in NW Tasmania.

Exploration completed on the Mt Montgomery EL over the last 12 months includes compilation of historic exploration, reconnaissance and geological mapping.

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## 1 INTRODUCTION

The Blythe River Iron Project (BRIP) consists of a number of small to medium size magnetite skarn deposits located in NW Tasmania (Figures 2 and 3). Exploration is focused on resource delineation of semi massive to massive magnetite deposits to provide a resource base for a magnetite mining operation for the iron ore market.

EL14/2014 is 32 square kilometres and located approximately 15km south east of Burnie.

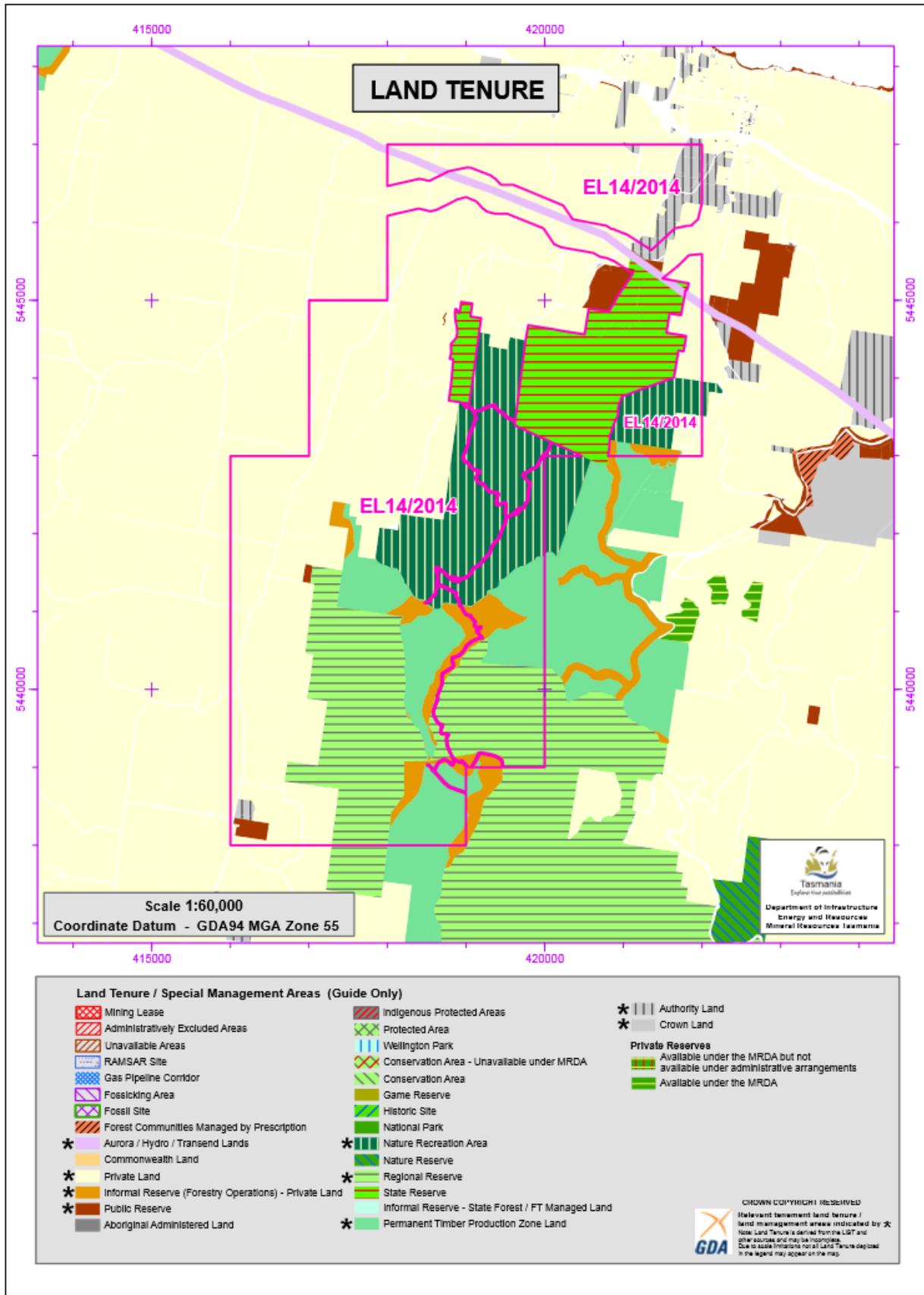


Figure 1. EL14/2014 Land Tenure.

## 2 GEOLOGY

The Blythe River Iron Project is located on the western margin of the Dial Range Trough and is underlain by lithologies of the Late Proterozoic Oonah Formation, Owen Group Siliciclastics, Gordon Group Limestone, Devonian Granites and Tertiary Basalt (Figure 1). The Dial Trough is a structurally interesting basin that includes a possible Northern Extension of the Hellyer Fault, and significant basin bounding faults on the western and eastern sides. The Devonian post orogenic Housetop Granite dominates the geology to the south of the project area and is considered to underlie much of the southern Dial Trough. The Dial Trough has been poorly mapped and stratigraphic correlations are uncertain for many units.

### Oonah Formation

The oldest rocks in the district are the Proterozoic Oonah formation, consisting of polydeformed quartzwacke, siltstone and pelite with lesser dolerite intrusives. These are overlain by a sequence of pelite-carbonate with minor mafic volcanics and conglomerate. This association is host to replacement deposits at Mt Bischoff and near Zeehan and consequently represents a potential host for similar styles of skarn mineralisation.

### Mt Read Volcanics

Mt Read Volcanic associations have been correlated with the felsic volcanoclastics of the Western Volcano-sedimentary sequence and the Tyndall Group quartz-feldspar phyric volcanoclastics.

### Owen Group

The Late Cambrian to Ordovician Owen Group overlies the Mt Read Volcanics and is comprised dominantly of siliciclastic conglomerate and sandstone. Locally volcanic derived conglomerates are associated with basal members. The Moina Sandstone, comprised of coarse to fine siliciclastic sandstone with minor intercalated conglomerate is the uppermost siliciclastic unit of the Owen Group and has a gradational contact with the overlying Gordon Group.

### Gordon Group Limestone

Conformably overlying the Owen Group is the Gordon Group limestone and dolomite sequence which is the host of the Kara district magnetite skarns. The stratigraphic thickness of the limestone is regionally variable ranging between 50-1000m.

### Housetop Granite

The Housetop granite outcrops in much of the Blythe River Prospect and is believed to extend below much of the area (Leaman, 1993). Leaman concludes that the Housetop granite is anomalously dense and highly magnetic, which may explain the abundance of iron metasomatism in the district. The granite is responsible for massive Magnetite-SnWO<sub>3</sub> mineralisation of the Kara District. The association of Tasmanian Devonian granites with Magnetite, Sn-WO<sub>3</sub>, Pb-Zn-Ag and Au mineralisation is well documented.

### Tertiary Basalt

Basaltic flows are widespread throughout the Blythe River Iron Project area, flooding Tertiary palaeo-topographic lows. The basalts vary widely in thickness and frequently have a high magnetic susceptibility creating difficulties for magnetite exploration below basaltic cover. Recent resource and exploration drilling at the Kara Mine indicates that the magnetite skarn extends below basalt cover.



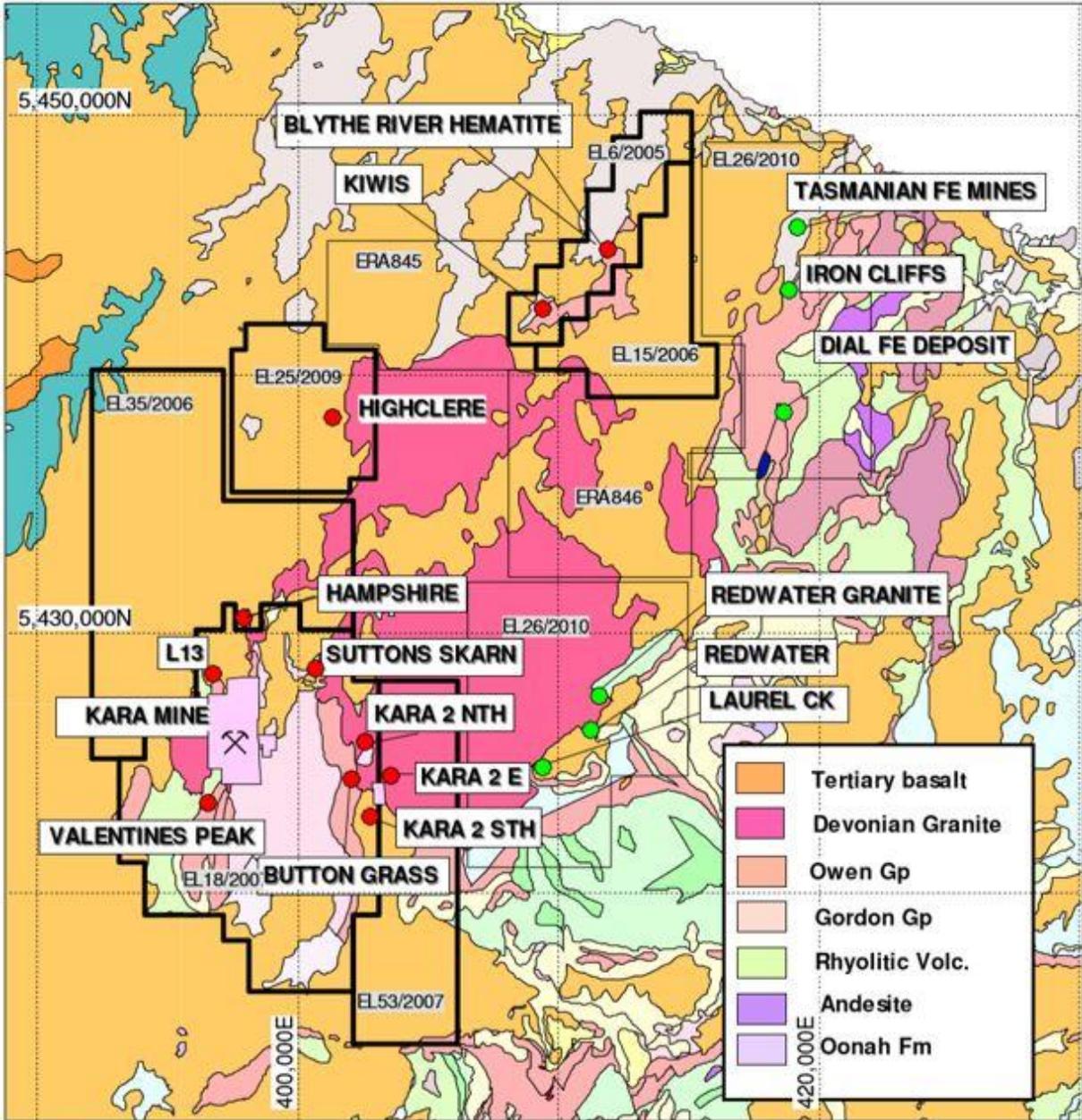


Figure 3. Blythe River Project location, Fe Prospects and MRT 250k Geology. Red dots are Blythe Project Fe prospects, green dots are other regional Fe Prospects.

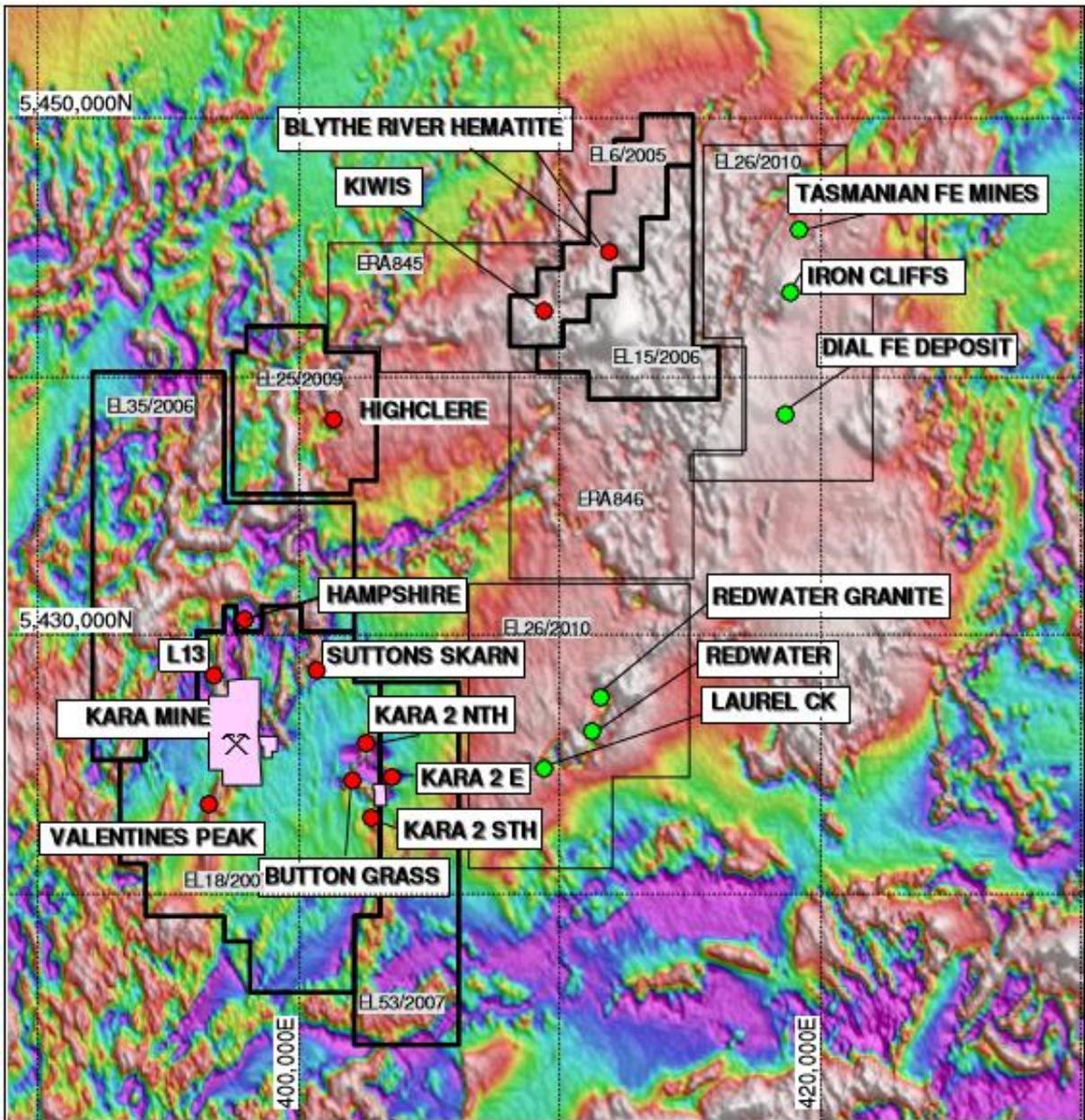


Figure 4. Blythe Project tenements, TMI and prospect locations. Red dots are Blythe Project Fe prospects, green dots are other regional Fe Prospects.

### 3 WORK COMPLETED

Work completed on EL14/2014 included compilation of previous data, reconnaissance and geological mapping.

## 4 DISCUSSION

EL14/2014 is a recently acquired tenement for Blythe River Iron Pty Ltd. It is theorised that EL14/2014 will contain small-medium sized magnetite skarns. EL14/2014 is located around the Iron Cliffs hematite deposit. The EL has similar favourable geological settings for the formation of hematite/magnetite deposits. Ground recognisances has returned some good results and future actions are currently being planned.

## 5 PROPOSED WORK PROGRAM

Proposed work for EL14/2014 in the next year will consist of further geological mapping, ground reconnaissance and potential geophysics surveys. Geophysics surveys may include detailed gravity, magnetic and/or seismic surveys. The surveys will better the understanding the nature of the deposit and future work will depend on their results.

## 6 EXPENDITURE

2014	Q3	\$0.00
2015	Q4	\$11,000.00
	Q1	\$11,000.00
	Q2	\$2,500.00

Table 1. Table of expenditure on EL14/2014

A total of \$24,500 was spent on EL14/2014 for the year.

## 7 ENVIRONMENTAL

No Rehabilitation required.

## 8 REFERENCES

Callaghan, T J, 2011. Combined Annual Report for Blythe River Project EL6/2005, EL15/2006, EL37/2006, EL18/2007, EL53/2007 AND EL25/2009. Unpublished company report for Forward Mining Limited.

Callaghan, T J, 2012. Combined Annual Report for Blythe River Project EL6/2005, EL15/2006, EL37/2006, EL18/2007, EL53/2007 AND EL25/2009. Unpublished company report for Forward Mining Limited