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# Unity Mining Limited

## Gog Range Joint Venture

### EL 2/2009 Beulah

### Annual Report for Period

### 22 June 2014 to 21 June 2015

Vol. 1 of 1

June 2015

<b>Held by:</b>	Greatland Pty Ltd
<b>Manager &amp; Operator</b>	Unity Mining Limited
<b>Author:</b>	Lorrigan, A.
<b>Date:</b>	June 2015
<b>Map Sheets:</b>	Tasmania 1:25,000 Series Cethana (4240) Wilmot (4241) Gog (4440) Sheffield (4441) Tasmania 1:100,000 Series Forth (8115)
<b>Geographic Co-ord (GDA94):</b>	Minimum East: 428,000 m Maximum East: 452,000 m Minimum North: 5,407,000 m Maximum North: 5,416,000 m
<b>Commodities:</b>	Base metals, gold, silver

## **1.0 ABSTRACT**

Unity Mining Ltd (UML) commenced exploration of EL 2/2009 Beulah from late 2011, as manager and operator of the Gog Range Joint Venture, in a farm-in agreement with tenement holder Greatland Pty Ltd.

Work undertaken during the 12 months report period, ended 21 June 2015, comprised:

- A review of geophysical datasets and potential mineralisation styles

Total expenditure on the tenement during the report period was \$5,480.

UML intends to cease management of EL 2/2009, held by Greatland PTY LTD in July 2015, and recommends that further work includes a soil sampling program over a geophysical target in the North-East of the tenement. EL 2/2009 Beulah is due for expiry on 21 June 2015.

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- Appendix I Memorandum: Lorrigan, A, Review of the potential of the Beulah tenement Tas.

### Digital Files

EL2\_2009\_201506\_01\_Report.pdf  
(Report text, plus figures included in report)

EL2\_2009\_201506\_02\_AppendixI.pdf  
(Memorandum: Lorrigan, A, Review of the potential of the Beulah tenement Tas.)

## **2.0 INTRODUCTION**

This report details exploration activity completed by Unity Mining Limited (UML) on EL 2/2009 Beulah in the year ended 21 June 2015. Work undertaken comprised a review of geophysical datasets, and potential mineralization styles. It was decided to undertake this review before committing to conduct a 3DIP Survey on target areas within the tenement.

From July 2015, UML will pass forward management of EL 2/2009 to the tenement holder, Greatland PTY LTD.

UML recommends that a soil sampling program be conducted over a geophysical target in the North-East of the tenement as a precursor to further geophysical investigation.

EL 2/2009 Beulah area is located partly within the Mt Roland Regional Reserve. Any exploration activity proposed on the tenement requires assessment by and approval from the Mineral Exploration Working Group (MEWG).

EL 2/2009 Beulah expires on 21 June 2015.

### **2.1 Location & Access**

EL 2/2009 Beulah is located 30 km south of Devonport in central northern Tasmania, within the Municipality of Kentish. The EL is centred approximately 7 km south of Sheffield and 15 km northwest of Mole Creek (Figure 1). Gowrie Park, a village established by the Hydro Electric Commission in the 1960s during construction of the Mersey-Forth hydroelectric scheme, is located in the far western section of the EL. The small rural settlements of Beulah and Lower Beulah lie within the eastern portion of the tenement.

The central eastern section of the EL is traversed by Paradise Road-Union Bridge Road (C137) which links Sheffield and Mole Creek. Principal access through the EL area from this sealed minor road is via unsealed forestry roads, then by a network of four-wheel drive tracks. Main access through the western section of the EL is via Claude Road (C136) and Staverton Road (C140), both sealed minor roads, and then by unsealed farm access roads and four-wheel drive tracks.

### **2.2 Tenure**

EL 2/2009 Beulah was granted to Greatland Pty Ltd on 22 June 2009 for a period of five years. The company tendered a successful bid to explore the tenement in accordance with Mineral Resources Tasmania's Exploration Release Areas process. The EL covers 105.0 sq km.

UML announced on 12 October 2011 a farm-in agreement with Greatland Pty Ltd to explore on four granted ELs in the Gog Range area, including EL 2/2009 Beulah. Under the terms of the agreement UML, as manager and operator, may earn a 51% interest by spending \$2 million within the initial two and a half years.

Proposed exploration activity on the EL requires assessment by and approval from the Mineral Exploration Working Group (MEWG). Approval of exploration programs is conditional upon the proponent meeting the requirements of the Mineral Exploration Code of Practice (MECOP) and all site specific conditions.

Much of the northern portion of the EL 2/2009 Beulah covers Private Land (Figure 2). The southwestern section extends over part of the Mt Roland Regional Reserve. Extensive areas of State Forest, with Informal Reserve – State Forest (Forestry Tasmania Managed Land) zones, are located in the southeastern section of the tenement. Mining Lease 24M/2000, covering 27 ha to the northeast of Gowrie Park, is excluded from the EL. The ML was granted for Category 3 Construction Minerals to J R Treloar in June 2001.

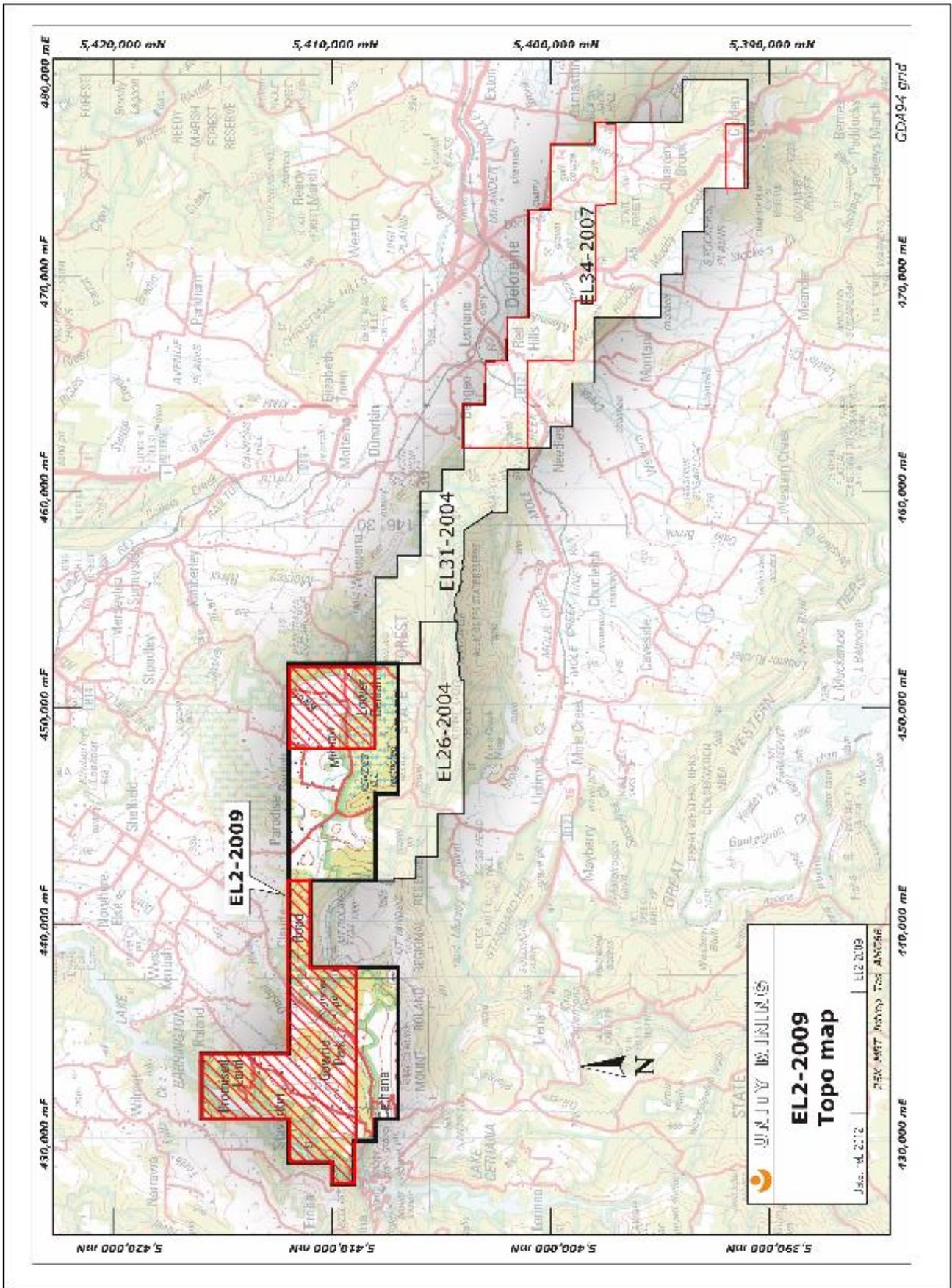
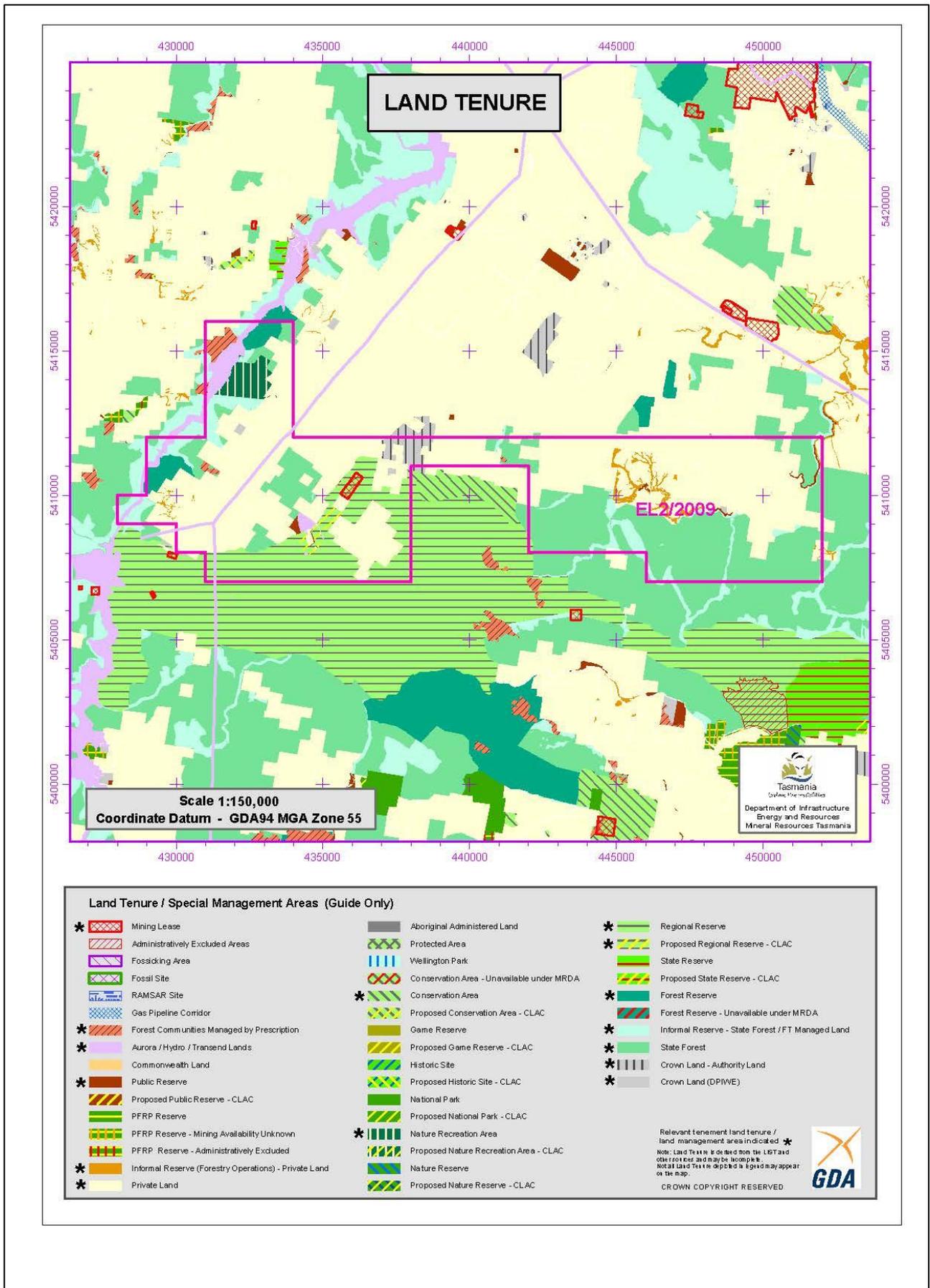


Figure 1: EL 2/2009 Beulah location map. Other tenements in Unity’s Gog Range Joint Venture are also shown. Projection is UTM MGA94 Zone 55 co-ordinate system. Base image by TASMAR (www.tasmap.tas.gov.au), © State of Tasmania.



**Figure 2: EL 2/2009 Beulah land tenure map. Note that the tenement has been reduced, as indicated in figure 1. Projection is UTM MGA94 Zone 55 co-ordinate system. Base images by the LIST, Information and Land Services, DPIWE ([www.thelist.tas.gov.au](http://www.thelist.tas.gov.au)) and Mineral Resources Tasmania, DIER ([www.mrt.tas.gov.au](http://www.mrt.tas.gov.au)), © State of Tasmania.**

### 2.3 Topography Climate and Vegetation

EL 2/2009 Beulah abuts the northern slopes of the Fossey Mountains range, which includes Mount Roland (elevation 1,233 m AHD), Mount Claude (1,034 m AHD) and Mount Van Dyke (1,084 m AHD). The Dasher River and Minnow River, within the Mersey River catchment, originate in and drain off this elevated terrain and flow to the northeast through the EL area. The far northwestern section of the EL covers part of Lake Barrington, created for hydroelectric power generation by damming of the Forth River.

Average rainfall calculated from observations at nearby Sheffield weather station (elevation 280 m AHD), over the period from 1906 – 1997, is 1,179 mm per year. Highest rainfall is in the June – August period. Occasional snowfalls occur during winter months at higher elevations.

The EL is located within the Northern Slopes bioregion. Extensive areas of eucalypt and pine (*Pinus radiata*) plantation forest have been established throughout the southeastern section of the EL area. Native forest, mainly wet sclerophyll, is preserved on the ridge and slopes of the Fossey Mountains Range and as remnants along river and creek valleys within the plantation forested areas. Scattered stands of low scrub, mainly banksia, teatree and eucalypt occur in relatively sheltered and fire resistant areas. Rainforest vegetation, including Myrtle Beech (*Nothofagus cunninghamii*), is preserved in sheltered gullies.

Agricultural land throughout the northern section of the EL is established on dissected Tertiary basalt terrain.

### 3.0 GEOLOGY

A review of geology, alteration, mineralisation, and previous exploration has previously been provided in Pallett, 2014, and therefore is excluded from this report.

### 4.0 WORK COMPLETED (2014/2015)

A review of geophysical targets and potential mineralization characteristics was provided by Angela Lorrigan, and is presented in Appendix 1. This review identifies a previously unrecognized geophysical target signature, with similarities to the mineralization signature at Firetower West, and recommends follow up with a soil sampling program.

### 5.0 EXPENDITURE FOR 2014/2015

Total expenditure by UML on EL 2/2009 Beulah for the year ended 21 June 2015 was \$5,480.00 as follows:

Expenditure Item	\$
Geology	5,480
Geophysics	0
Other	0
<b>Total</b>	<b>5,480</b>

## **6.0 PLANNED WORK AND EXPENDITURE FOR 2015/2016**

EL 2/2009 Beulah has reached completion of the final year of tenure, ending 21 June 2015. Management of the tenement from this point forward will be passed from Unity Mining to Greatland PTY LTD.

If an extension to the tenement is granted, it is recommended that the geophysical anomaly identified in the north eastern section of the tenement (see Appendix I.), is covered by a soil sampling program, and that the western section of the tenement be relinquished.

## **7.0 REFERENCES**

Pallett, B.; 2014. EL 2-2009 Beulah Annual Report for Period 22 June 2013 to 21 June 2014. Unity Mining Limited. Unpublished Company Report to Mineral Resources Tasmania.

**APPENDIX I**