

**Special Exploration licence**  
**EL36/2007 Waratah – Latrobe – Elizabeth Town**



**FINAL REPORT**

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All figures are in Geodetic Datum AGD66.

## **1 SUMMARY**

Special Exploration Licence SEL36/2007 was granted to Geothermal Energy Tasmania Exploration Pty Ltd, (now a subsidiary of OZ Minerals) to explore for geothermal energy in Western Tasmania.

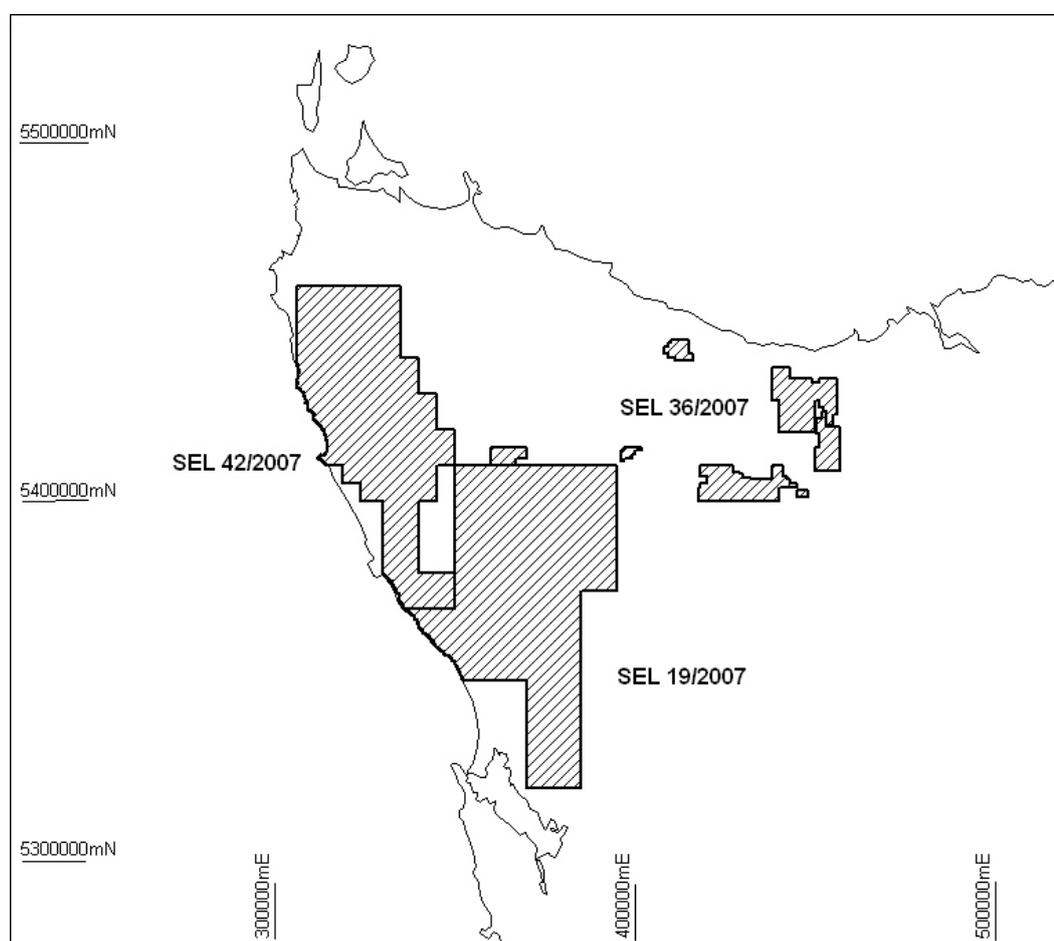
In January 2009, OZ Minerals determined the SEL held no material interest for its broader corporate or exploration strategies. As a consequence, a decision was made to surrender the SEL in its entirety.

Only minor reconnaissance and project generation work has been completed on the lease to date.

## 2 INTRODUCTION

SEL36/2007 was granted to Geothermal Energy Tasmania Exploration Pty Ltd on 12 November 2007. The company is a fully-owned subsidiary of Allegiance Mining. In early 2008 Allegiance was acquired by Zinifex Ltd, which subsequently merged with Oxiana Ltd to form OZ Minerals Ltd. As a result of the merger, OZ Minerals Ltd became the sole owner of Geothermal Energy Tasmania Exploration Pty Ltd and SEL36/2007.

The SEL is in several parts located in northern Tasmania between Waratah and Elizabeth Town (Figure 1). These areas are considered prospective for geothermal energy.



**Figure 1. SEL36/2007 location diagram**

A geothermal energy consultancy (Hot Dry Rocks Pty Ltd) was contracted to provide advice and prepare documentation for a planned public listing of Geothermal Energy Tasmania Exploration Pty Ltd.

### **3 GEOLOGY**

Much of western Tasmania is underlain by Devonian granite intrusions at a depth of 5km. The nature and depth of the intrusions and the possible insulating properties of the overlying host sequences may potentially be suitable for the generation of geothermal energy. Anecdotal evidence from drill data and mining activities suggests there is a high geothermal gradient in the district.

### **4 EXPLORATION COMPLETED 2007 – 2009**

Work was limited to preliminary project planning. Nil exploration activity was undertaken (i.e. nil drilling, surface sampling, or geophysical surveys).

A total of \$32,795 was spent on preparation of a planned public listing of Geothermal Energy Tasmania Exploration Pty Ltd. The listing did not eventuate.

### **5 REFERENCES**

Callaghan, T., 2008. EL36/2007 Waratah – Latrobe – Elizabeth Town, Annual Report 2008.