

**EL 33/2010 Wanderer River  
Annual Report on Exploration Activity  
March 2013 to March 2014**

**Grant MacDonald  
Torque Mining Ltd  
134 Beveridges Lane,  
Hagley, Tasmania  
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**Abstract**

No fieldwork was undertaken in the reporting year. A decision was made to relinquish the northern Thirkell Hill belt of Mt Read Volcanics, retaining the two southern inliers of Mt Read Volcanics.

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## **1.0 Introduction**

### **1.1 Exploration Philosophy**

Torque is exploring for base and/or precious metals. Mineralisation styles targeted are VHMS (Volcanogenic Hosted Massive Sulphides) either as seafloor precipitates or shallow subseafloor replacement, and/or hybrid VHMS/epithermal precious metal rich vein and/or replacement deposits.

## **1.2 Geology**

EL 33/2010 covers a highly significant portion of the southernmost land extent of the Mt Read Volcanics. For a detailed geological description of the prospective rocks the reader is referred to Corbett (2003).

Essentially the prospective Mt Read Volcanic rocks consist of felsic volcanoclastics and felsic lavas/intrusives with lesser finer sediments.

These are overlain by shales with minor interbedded felsic volcanics of the Waterloo Creek Group, in turn conformable overlain by the Ordovician siliciclastic sediments of the Denison Group.

### **1.3 Tenure**

EL 33/2010 was granted Frontier Resources Ltd (90%) and Exploration and Management Consultants Pty. Ltd. (10%) on 29<sup>th</sup> March 2011 and transferred to Torque Mining Ltd on 4<sup>th</sup> May 2012.

### **1.4 Location**

EL 33/2010 is located very near to the remote southwestern coast of Tasmania (see Figure 1.1) around 40 kilometres west of Strathgordon and 80 kilometres south of Strahan.

### **1.5 Access**

Access to the area is difficult with no continuous road access to the rest of the state. The only vehicular track to the area, a rough 4WD track known as the Low Rocky Point Track commences at the southern end of Birch's Inlet off the southeastern corner of Macquarie Harbour and thus requires boat transport.

This track crosses a bridge over the Wanderer River which has been decommissioned restricting vehicular access to the licence.

Access is most commonly made by helicopter either from Strahan or Strathgordon.

### **1.6 Topography and Vegetation**

Much of the prospective country is low lying, however, Ordovician siliciclastics which stratigraphically overlie the prospective volcanics, form mountain ranges in the northern part of the licence area as well as Mt Osmund in the southern part.

The majority of the licence is covered with low standing, open coastal heath and button grass. Creek gullies and some of the areas in the western and easternmost parts have wet sclerophyll vegetation.

### **1.7 Land Use**

The Wanderer River licence area is crown land and is classified as part of the South West Conservation Area. As such it is open to mineral exploration.

The Tasmanian Government proclaimed the prospective rocks south of Macquarie Harbour to be within the Sorell Peninsula Prospectivity Zone, a recognition of the mineral potential of the area. Under this act any change in the status of the land within the zone requires the approval of both houses of the Tasmanian parliament with any affected party entitled to compensation (this does not cover any decisions of the Federal government).

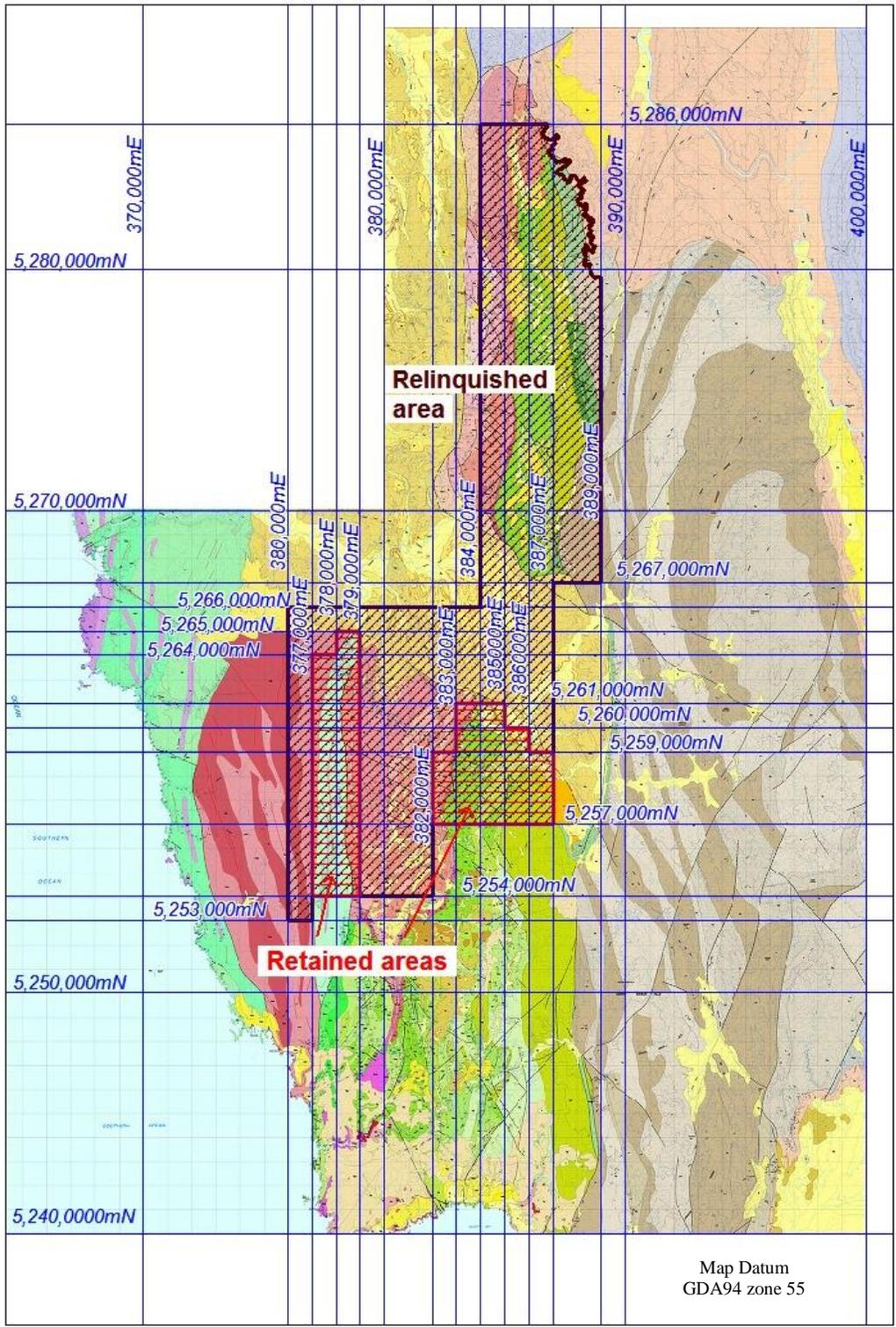


Figure 1.1: EL 33/2010 "Wanderer River" location, showing retained area in red horizontal hatch and relinquished area in maroon hatch.

## **2.0 Previous Exploration**

Previous exploration by Frontier and Torque Mining has included a new generation VTEM Survey which was flown over all prospective rocks i.e Mt Read Volcanics and Waterloo Creek Group rocks, within Torque's two tenements in the Southern Mt. Read Volcanics area.

In the 2012/2013 reporting year efforts were focused on attempting to attract a joint venture partner to help fund exploration of the highly prospective Mt Read Volcanics within EL 33/2010 "Wanderer River" as well as in the companies EL 20/1996 "Elliott Bay" licence.

Discussions were held with Xstrata. As part of this work existing soil and gradient array IP data was digitized and images generated. Unfortunately Xstrata chose not to advance discussions and enter into a JV with Torque Mining Pty Ltd.

Results of this work have been detailed in previous reports (MacDonald 2012, MacDonald 2013).

### **3.0 Exploration Completed March 2013 to March 2014**

Due to the commencement of mining at Torques “Stormont Mine’ during this reporting year no exploration has been undertaken within the Wanderer River licence other than planning for a 3D IP survey and regional trace element lithogeochemical soil survey which has had to be postponed.

#### **4.0 Discussion of Results and conclusions**

After considering the results of the VTEM survey, Toque has decided to relinquish a large portion of the Wanderer River Licence (169km<sup>2</sup>), in order to concentrate on the remaining 41km<sup>2</sup> which is cognizant with Torques Elliott Bay licence to the south (EL20/1992).

Recommended work on the Wanderer River tenement in the 2014 to 2015 year is as follows:

1. 3D IP survey (over north-east block)
2. Regional soil sampling programme targeting alteration pathfinder elements
3. Field follow-up of anomalies generated by EM survey (north-west block)

## **5.0 Environmental**

No field work was undertaken and thus there has been no environmental impact on the licence area.

**6.0 Expenditure**

Geology: \$6,531

Administration: \$356

Total: \$6,887

## 8.0 References

- MacDonald, G. 2013 EL 33/2010 Wanderer River Annual Report on Exploration Activity March 2012 to March 2013 - *Unpub. Rept. closed file report for Torque Mining Ltd EL332010\_201303*
- MacDonald, G. 2012 EL 33/2010 Wanderer River Annual Report on Exploration Activity March 2011 to March 2012 - *Unpub. Rept. closed file report for Frontier Resources Ltd EL332010\_201203*
- Corbett, K D. 2003. a review of geology and exploration in the Macquarie Harbour-Elliot Bay area South West Tasmania. *Tasmanian Geological Survey Record 2003/04.*
- McGregor-Dawson, J.L. (1975) EL 9/74 Birch Inlet Annual Report on Exploration 1974/75. *Unpub. Rept. for Union Oil Development Corporation.*