

**EL 11/2011 Mangana  
Partial Relinquishment Report  
July 2015 to July 2016**

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**Abstract**

No work was carried out on the relinquished area during the reporting year.

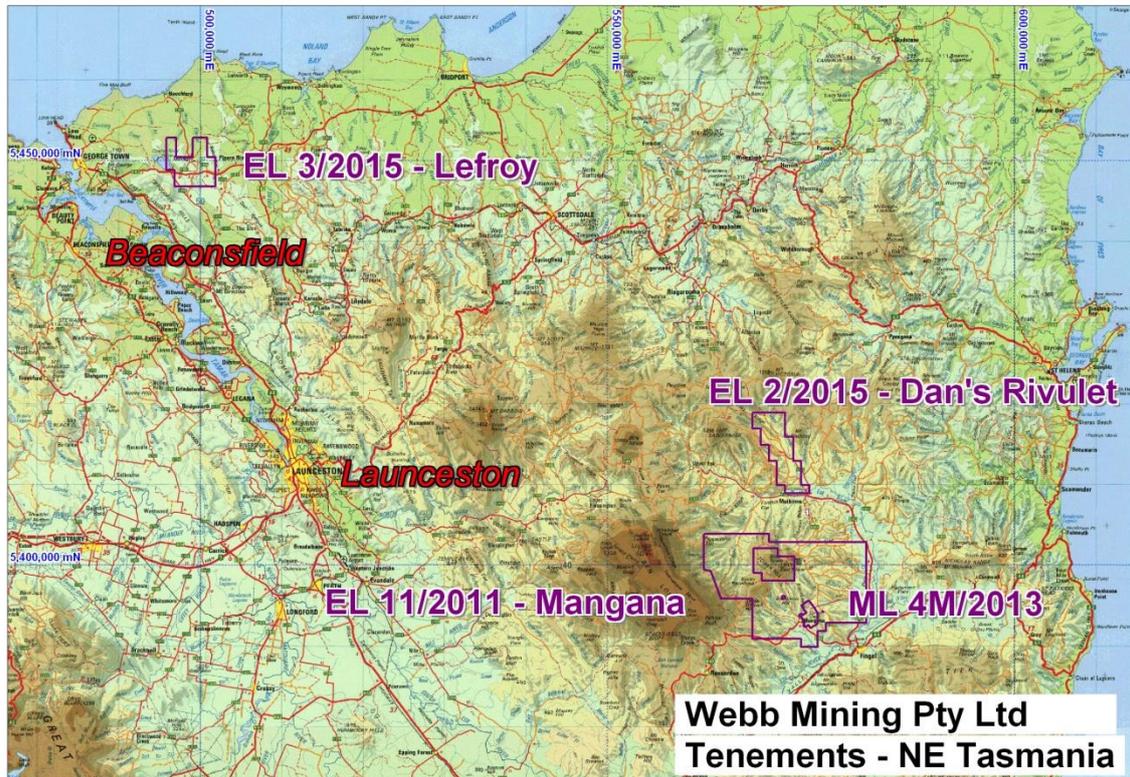
During the life of the tenement the only fieldwork conducted within the relinquished portion of EL 11/2011 was the collection and assaying of 8 samples of Permian conglomerate for gold. Best result was

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## 1.0 Introduction

### 1.1 Location

EL 11/2011 is located in Tasmania's northeastern goldfields. The tenement takes in the northern, western and eastern parts of the Mangana goldfield and the Tower Hill goldfield and extends around Tower Hill itself though Tower Hill is excised.

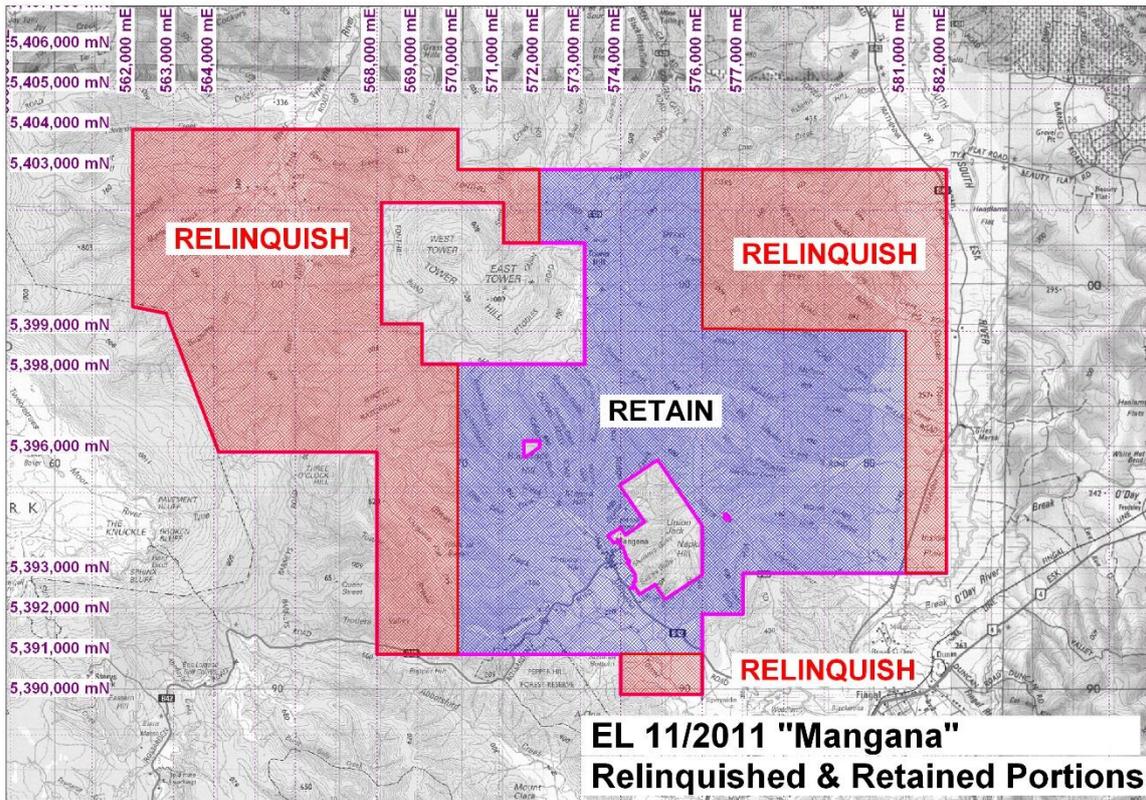


**Figure 1.1:** Location of EL 11/2011 “Mangana” in Tasmania’s northeast and original tenement shape.

### 1.2 Tenure

EL 11/2011 was granted to Webb Mining Pty Ltd on 11<sup>th</sup> July, 2011.

Webb Mining Pty Ltd is relinquishing 97 square kilometres of the original tenement area as shown on figure 1.2.



**Figure 1.2: Retained and relinquished portions of EL 11/2011**

**1.3 Access**

Access to the area is by bitumen road via Fingal. Access within the area is generally moderate with steep hills but commonly bush tracks along ridge lines.

**1.4 Exploration Philosophy**

Webb Mining Pty Ltd holds ML 4M//2013 with the Sailors Gully mill at Mangana. EL 11/2011 surrounds ML 4M/2013 (see figure 1).

Webb Mining Pty Ltd is focused on discovering and mining gold ore for the Sailors Gully mill.

To date mining has focused on underground development in the Argyle and Mangana Gold reefs mines and some surface alluvial testwork.

Webb Mining Pty Ltd has had considerable experience in mining and exploring for high grade gold bearing quartz reefs.

Webb Mining Pty Ltd is aware of the utility of soil sampling with arsenic a strong pathfinder. Webb Mining Pty Ltd is also aware of the commonly short strike length of high grade shoots within these reefs and the need for close spaced surface trenching and drilling.

## **2.0 Geology**

The oldest rocks in EL 11/2011 are the folded quartzwacke turbidite sandstones, siltstones and shales of the Siluro-Devonian Panama Group of the Mathinna Supergroup (“Mathinna Beds”). These are moderately tightly folded on north-west striking sub-vertical fold axis with well developed axial planar cleavage. Deformation is attributed to the Middle Devonian Tabberrabberran Orogeny.

These folded basement rocks are unconformably overlain by a sequence of essentially undeformed (other than slight tilting and normal faulting) sediments of the Permo-Triassic Parmeener Supergroup. The sediments vary from glacial marine at the base through marine to freshwater sediments in the Triassic.

This unconformity surface defines a clear erosional break with the development of plains around the flanks of Tower Hill and along the lobe like ridges which extend from it such as Buckland Hill, Blackboy Ridge, Daylight Spur and Fonthill Farm.

Jurassic dolerite dykes intrude Byatts Razorback in the west of the licence.

### 3.0 Exploration completed in relinquished portion during life of tenement

Only limited exploration work has been carried out on the relinquished portion of the tenement with the only field work in the area the sampling of 8 rocks on the Fonthill Road, Tower Hill.

The samples, numbered 10462 to 10467, 10468A and 10468B, of conglomeratic sandstone and conglomerate were collected from the bank above the Fonthill Road, to the north of Tower Hill, at 571,965mE 5,402,155mN (+/-10m) (MGA94).

These samples are characterized by being more poorly sorted conglomeratic sandstones with scattered 5-10mm sub-angular fragments in massive coarse angular sand grade conglomerate.

**Table 3.1: Rock sample locations, descriptions and assays**

Sample_id	Au (g/t)	location	MGA94mEAST	MGA94mNORTH	Description
10462	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomerate with subangular to subrounded clasts including vein quartz with arsenopyrite, siltstone and granite in quartzwacke matrix
10463	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomeratic (diamictite) sandstone with subangular to subrounded clasts (to 5mm) of siltstone, precambrian schist, granite, black shale, in greywacke sandstone matrix
10464	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomeratic (diamictite) sandstone with subangular to subrounded clasts (to 5mm) of siltstone, precambrian schist, granite, black shale, in greywacke sandstone matrix
10465	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomeratic (diamictite) sandstone with subangular to subrounded clasts (to 30mm) of siltstone, precambrian schist, granite, black shale, in greywacke sandstone matrix
10466	0.06	Fonthill Road	571962.8	5402153.9	polymictic clast supported conglomerate with subangular to subrounded clasts including vein quartz with arsenopyrite, siltstone and granite in quartzwacke matrix
10467	<0.01	Fonthill Road	571962.8	5402153.9	quartzwacke sandstone with occasional rounded pebbles
10468A	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomeratic (diamictite) sandstone with subangular to subrounded clasts (to 5mm) of siltstone, precambrian schist, granite, black shale, in greywacke sandstone matrix
10468B	<0.01	Fonthill Road	571962.8	5402153.9	polymictic conglomeratic (diamictite) sandstone with subangular to subrounded clasts (to 5mm) of siltstone, precambrian schist, granite, black shale, in greywacke sandstone matrix

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

Of the samples collected from the Fonthill Road sample 10466 assayed 0.06g/t Au with all other samples assaying <0.01g/t Au. Clasts in sample 10466 include vein quartz with sulphides.

## **5.0 Environmental**

Other than the very small scale rock sampling, predominantly of float, no work impacted on the environment.

## **6.0 References**

Corbett *et. al.* (2014). Geological Evolution of Tasmania. GSA.

MacDonald, G. (1996). EL 18/91 "Mangana". Annual Report to Mineral Resources Tasmania for Resolute Samantha Limited. unpub.