

Annual Report  
for EL31/2004 Firetower East  
for the Period 26 November 2007 to 25 November 2008

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## **ABSTRACT**

EL31/2004 Firetower East is located in central north Tasmania approximately 15km west north-west of the town of Deloraine and forms the central parts of the Company's Firetower project.

The tenement covers some 10 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation, however other styles of mineralisation are present within the licence area.

Work completed during the period included a review of exploration data and geological reconnaissance. Data review concluded the tenement had largely been adequately evaluated for gold mineralisation with little encouragement. However, one area of Asarco West remained to be followed up. A follow up soil sampling program was proposed. Field reconnaissance showed the area to be amenable to surface sampling.

## **KEYWORDS**

Geology/Mineralisation

Mt Reid Volcanics, Gordon Group

Minerals

Copper, gold, lead, magnetite, tungsten, tin, zinc

Deposits/Occurrences

Amax, Asarco, Asarco West, Austamax, East Gog, Lobster Rivulet, Magog,  
PK Pits

## **COORDINATES**

All lat/long co-ordinates in this report refer to the AGD66 Datum

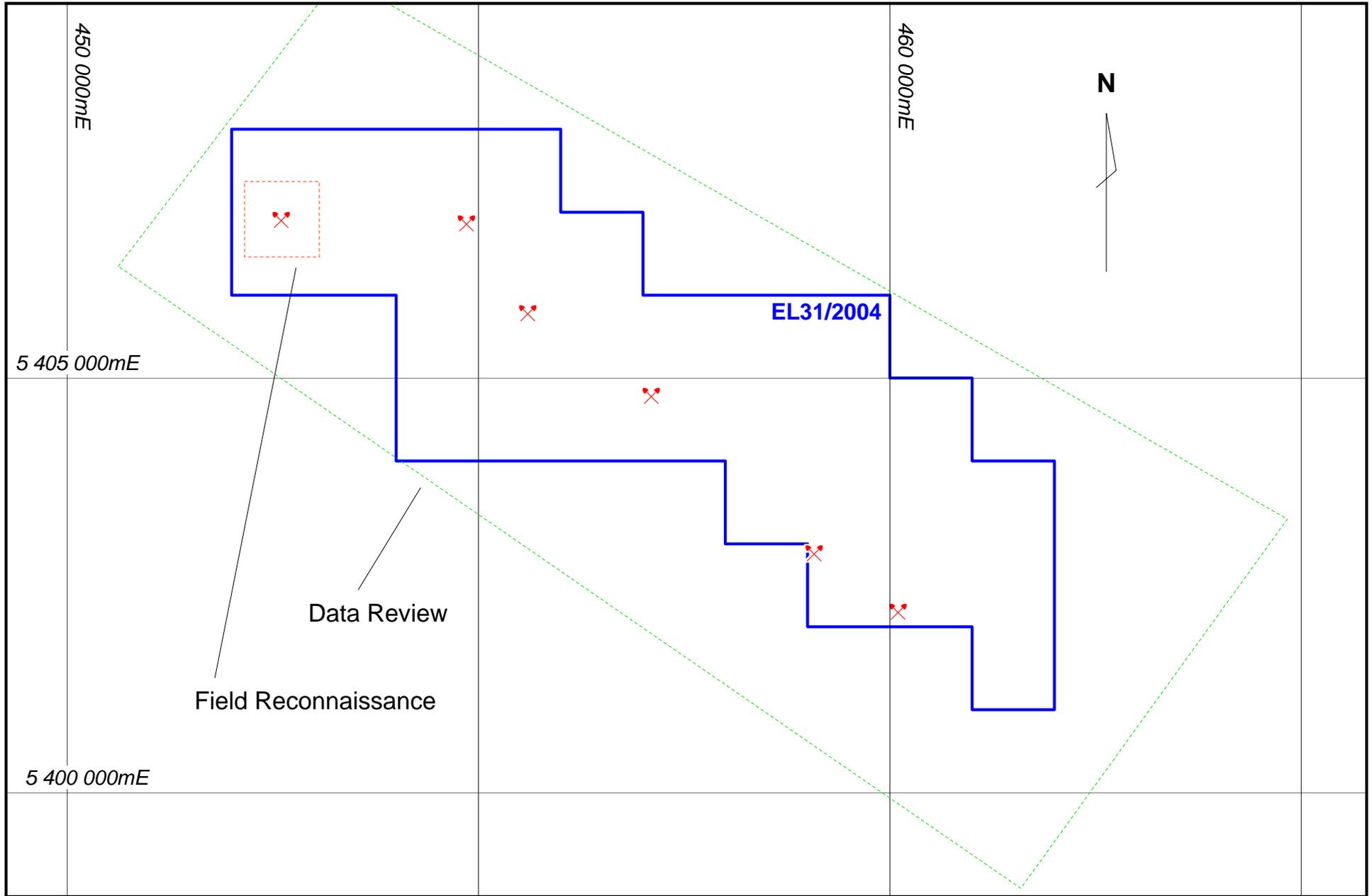
All AMG co-ordinates in this report refer to the AGD66 Datum - Zone55

## FILE SUMMARY LIST

File Name	Format	Contents
EL312004_200811_01_report.pdf	pdf	report

**SUMMARY OF ACTIVITIES FOR EL31/2004 FIRETOWER EAST  
FOR THE PERIOD 26 NOVEMBER 2007 to 25 NOVEMBER 2008**

- Data Review
- Field Reconnaissance



AGD66 Zone55



GREATLAND PTY LTD  
EL31/2004 FIRETOWER EAST  
Exploration Index Map

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## **1.0 Introduction**

This report details the exploration activities completed within EL31/2004 during the period 26 November 2007 to 25 November 2008. The lease is located in central north Tasmania, approximately 15km west north-west of the town of Deloraine, and forms the central parts of the Company's Firetower project.

The tenement covers some 10 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation, however other styles of mineralisation are present within the licence area.

Work completed during the period included a review of exploration data and geological reconnaissance.

## 2.0 Tenement Details

EL31/2004 Firetower East was applied for by Greatland Pty Ltd during April 2004 and was granted during November 2004. The tenement covers an area of 30 square kilometres. Tenement details are shown in Table 1.

Table 1 – Tenement Details

<b>Tenement</b>	<b>Holder</b>	<b>Date Applied</b>	<b>Date Granted</b>	<b>Size</b>
EL31/2004 Firetower East	Greatland Pty Ltd 100%	5 Apr 2004	26 Nov 2004	30km <sup>2</sup>

### **3.0 Location and Access**

EL31/2004 Firetower East is located 55km west of Launceston in central north Tasmania (Figure 1). It lies 15km west north-west of the town of Deloraine and forms the central parts of the Company's Firetower project (Figure 2). The bulk of land within the tenement is state forest with smaller portions of private farming land on the northern and western extremities.

The tenement straddles the Tasmania NW (SK55-20) and Tasmania NE (SK55-21) 1:250,000 map sheets. It falls within the four 1:100,000 map sheets of Mersey (8114), Forth (8115), Meander (8214) and Tamar (8215).

From Launceston, access to the project area is by sealed road to Deloraine then west or west north-west via sealed roads. Local roads and logging tracks provide adequate access throughout the tenement.

#### **4.0 Geology and Mineralisation**

The licence area covers some 10 strike kilometres of rocks assigned to the Cambrian Mt Read Volcanics (Figure 3). These Cambrian rocks are highly mineralised and host major polymetallic VHMS deposits, particularly in the west of Tasmania. The Cambrian volcanics and sediments are unconformably overlain by late Cambrian to early Ordovician Gordon Group consisting of siliclastics of the Roland Conglomerate and Moina Sandstone overlain by the Gordon Limestone. The regional and economic geological setting has been detailed in Askins and Baxter (2005).

Gold mineralisation has been well defined at the Firetower prospect located in the adjacent tenement of E26/2004. Gold and base metal mineralisation, outlined by soil and rock chip sampling, extends east and west of the Firetower prospect for some kilometres. Further details of geology and mineralisation can be found in McLean and Baxter (2006) and McLean (2007).

## **5.0 Previous Exploration**

Details of previous exploration within E31/2004 have been covered in Askins and Baxter (2005) McLean and Baxter (2006) and McLean (2007). Readers are referred to these reports.

## 6.0 Work Carried Out During the Period

Work completed during the period included a review of exploration data and geological reconnaissance

### *Review of Exploration Data*

A review of previous exploration data was completed during the period. This data review concluded that much work had been carried out within the tenement. Adequate sampling methods with reliable analytical techniques had been used throughout. One area in the north west of the tenement remains to be followed up and has been provisionally named the Asarco West prospect.

A BLEG and pan concentrate stream sediment sampling programme was completed by Outokumpu during 1991 (Herrmann 1991). Within the current EL31/2004 a total of 24 samples were collected at a sample density of approximately 1 per 2 sq kms. Sample collection methods, analytical techniques and sample density appear sound.

Work completed by Greatland Pty Ltd in the previous years of the current tenure (2005-2007) was focused on follow up of small specific areas, most identified by previous explorers as base metal anomalies (McLean and Baxter 2006, and McLean 2007). These prospects include Asarco, East Gog (aka Amax), Austamax, Magog and Lobster Rivulet (aka PK Pits) shown in Figure 4. Rock chip samples were collected by the company from a number of these areas with low gold results. No further work for gold is currently proposed for these areas.

A small number of reconnaissance rock chip samples were sporadically collected by the company from various parts of the tenement between 2005 and 2007 (McLean and Baxter 2006, and McLean 2007). One sample (7433) returned anomalous results of 0.22g/t gold and this remains to be followed up. This area has been provisionally named the Asarco West prospect (Figure 4). A 40m x 40m soil sample program is recommended for Asarco West.

In 2007, one campaign of systematic soil sampling was completed by the company within the tenement (McLean 2007). This was at the Lobster Rivulet prospect. This prospect was identified by previous explorers. Sample density was 50m x 50m. Maximum results from the 30 soil samples collected by company were 6.5ppb Au, 0.14ppm Ag, 8.2ppm As, 51.3ppm Co, 365ppm Cu, 38ppm Pb, 20.29ppm Sn, 66.46ppm W and 87ppm Zn. Obviously, tungsten and tin were anomalous. Lenses of massive magnetite to 60cm wide were mapped by the company at the prospect during 2007.

### *Geological Reconnaissance*

A small number of reconnaissance rock chip samples were sporadically collected by the company from various parts of the tenement between 2005 and 2007. One sample (7433) returned anomalous results of 0.22g/t gold and this remains to be followed up (McLean 2007). This area has been provisionally named the Asarco West prospect. A 40m x 40m soil sample program is recommended for Asarco West.

In preparation for a soil sampling program, field reconnaissance was completed at Asarco West. Rock types present include strongly foliated volcanoclastics and a silicified shale unit. Regolith appeared amenable to surface soil sampling methods.

## **7.0 Conclusions**

EL31/2004 Firetower East is located in central north Tasmania approximately 15km west north-west of the town of Deloraine and forms the central parts of the Company's Firetower project.

The tenement covers some 10 strike kilometres of rocks assigned to the Mt Read Volcanic sequence. The company's main focus is gold mineralisation, however other styles of mineralisation are present within the licence area.

Work completed during the period included a review of exploration data and geological reconnaissance. Data review concluded the tenement had largely been adequately evaluated for gold mineralisation with little encouragement, however one area of Asarco West remained to be followed up. A soil sampling program was proposed for Asarco West and field reconnaissance concluded the area to be amenable to surface sampling techniques.

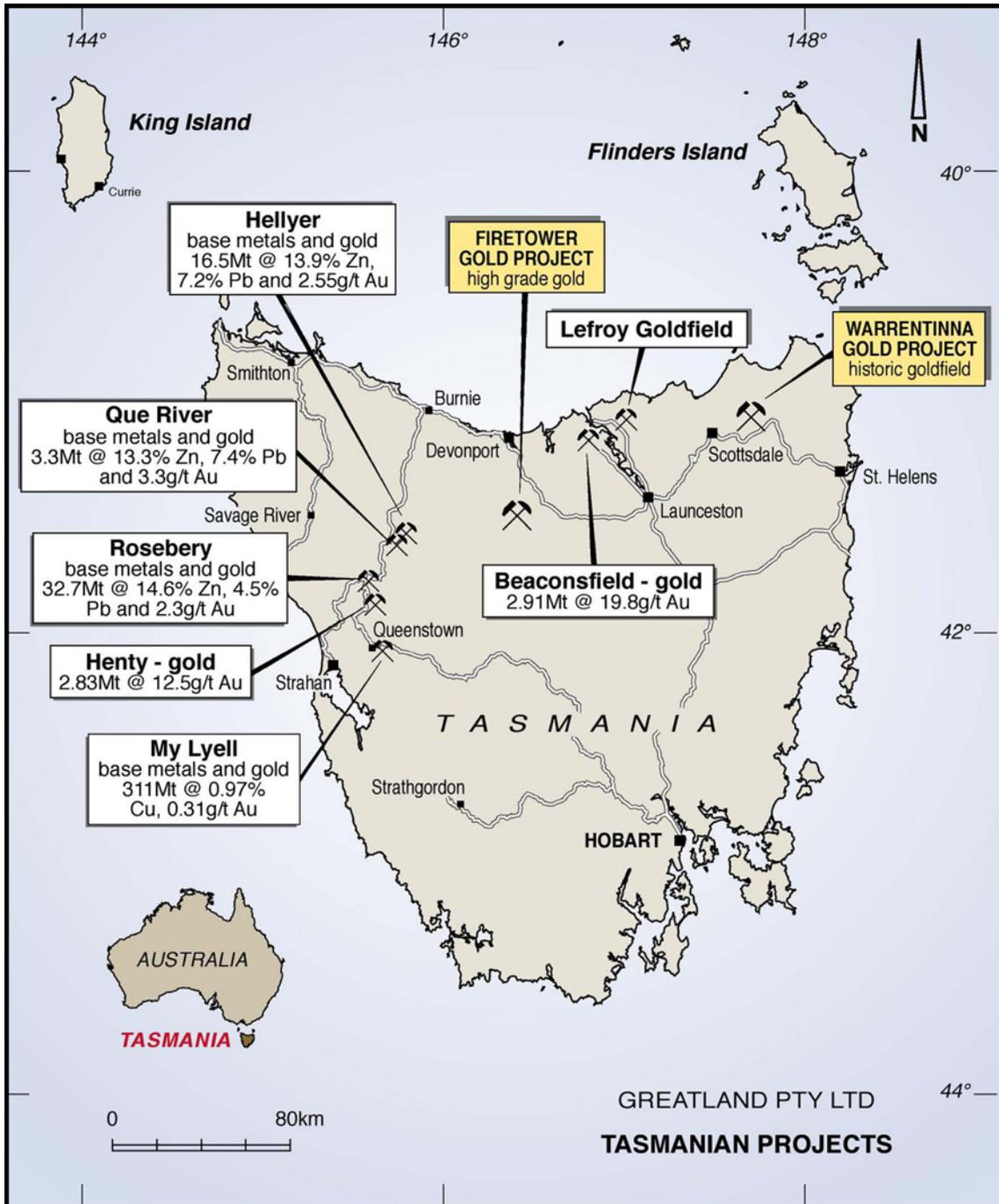


Figure 1 – Project Location Map

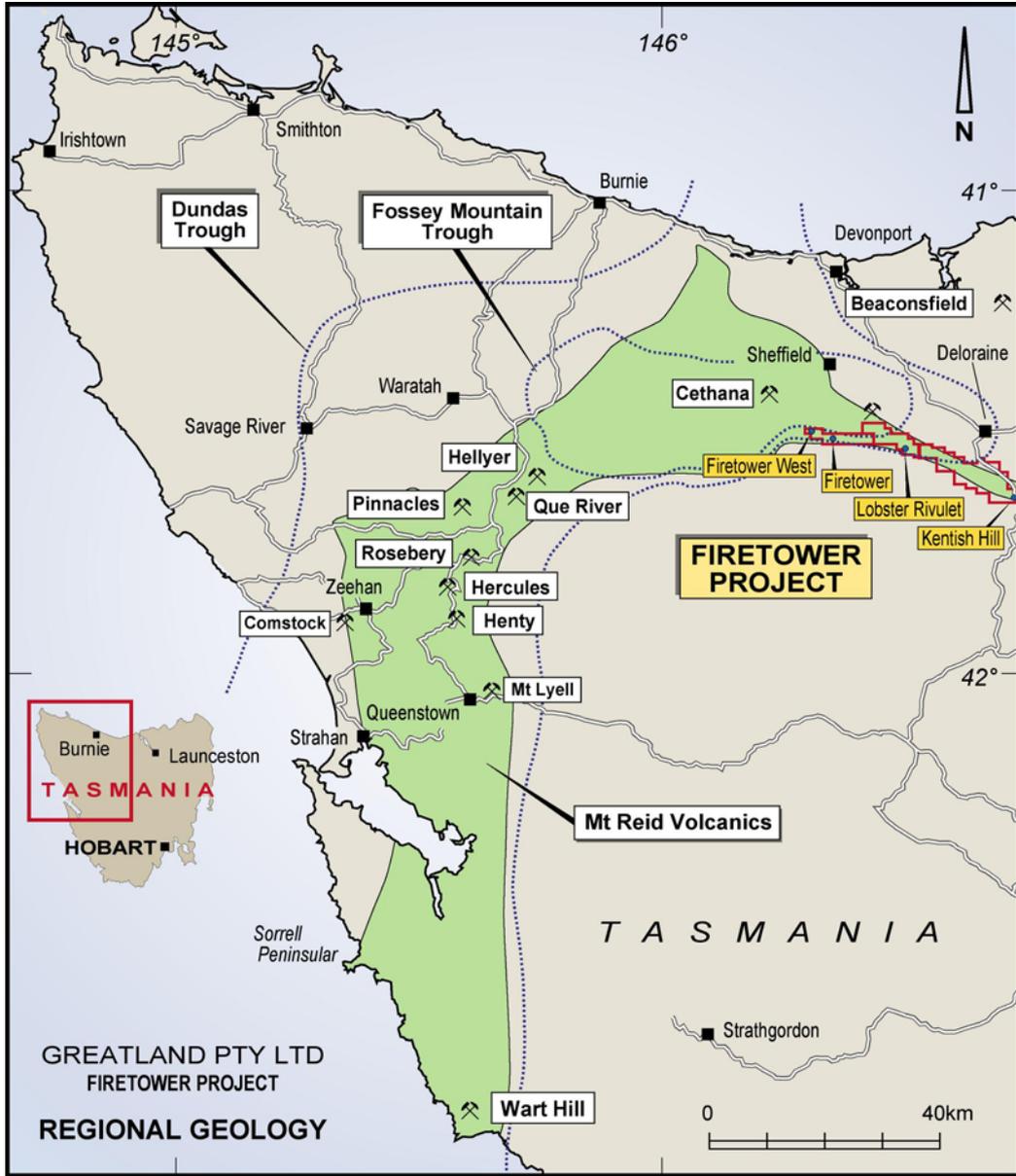


Figure 2 – Regional Geology

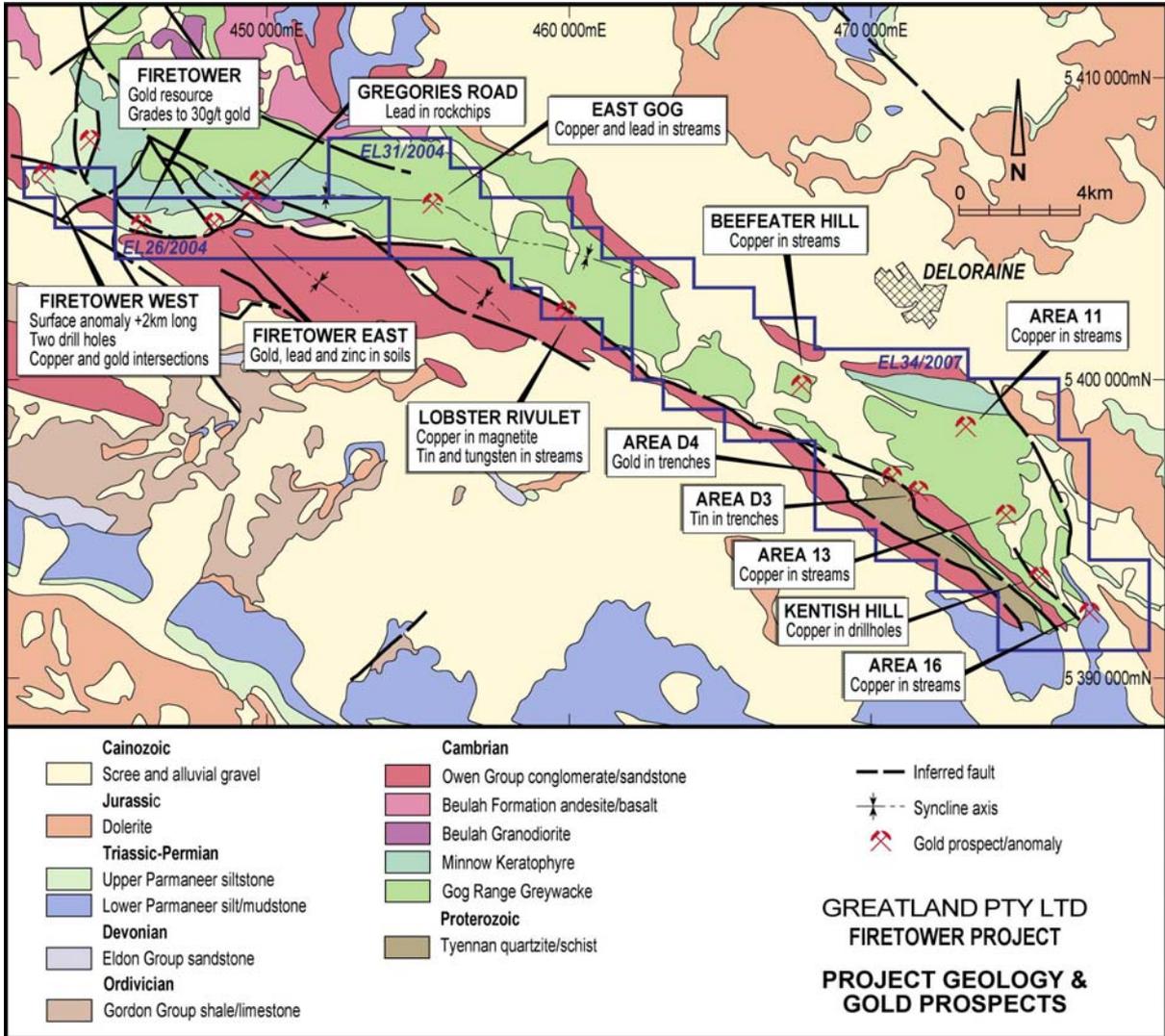
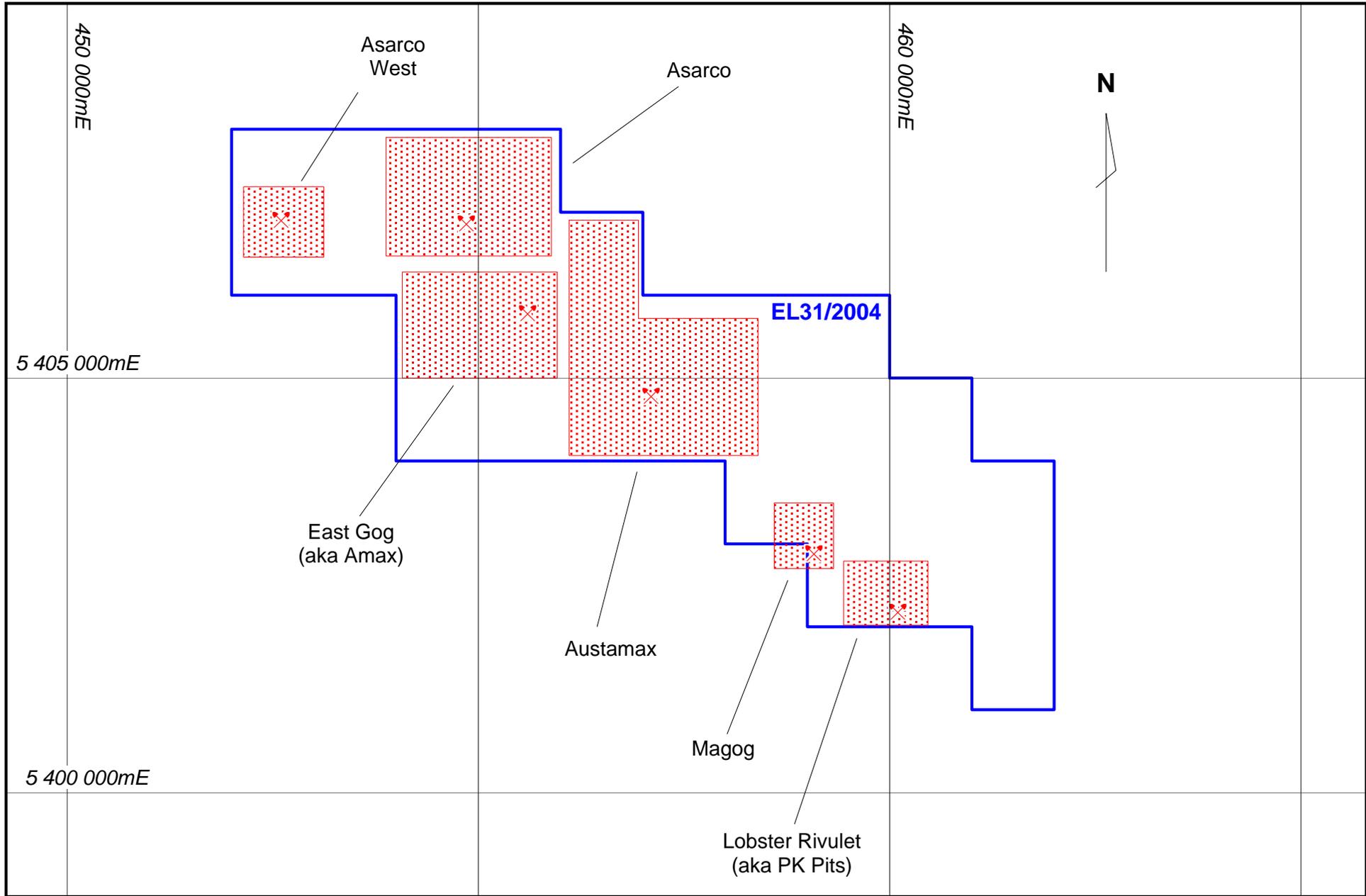


Figure 3 – Project Geology



AGD66 Zone55



LEGEND

 Prospect

GREATLAND PTY LTD  
 EL31/2004 FIRETOWER EAST  
 Prospect Location Map

Figure 4

## References

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