

Annual Report  
for EL35/2007 Southern Cross  
for the Period 19 December 2010 to 18 December 2011

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## **ABSTRACT**

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania. It lies some 20km north-east of the town of Scottsdale and forms the north-western parts of the Company's Warrentinna project. The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period comprised geological mapping and soil sampling at the Oxberry area with results pending. Database compilation for the project was ongoing.

## **KEYWORDS**

Geology/Mineralisation

Mathinna Group

Minerals

Gold

Deposits/Occurrences

None

## **COORDINATES**

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

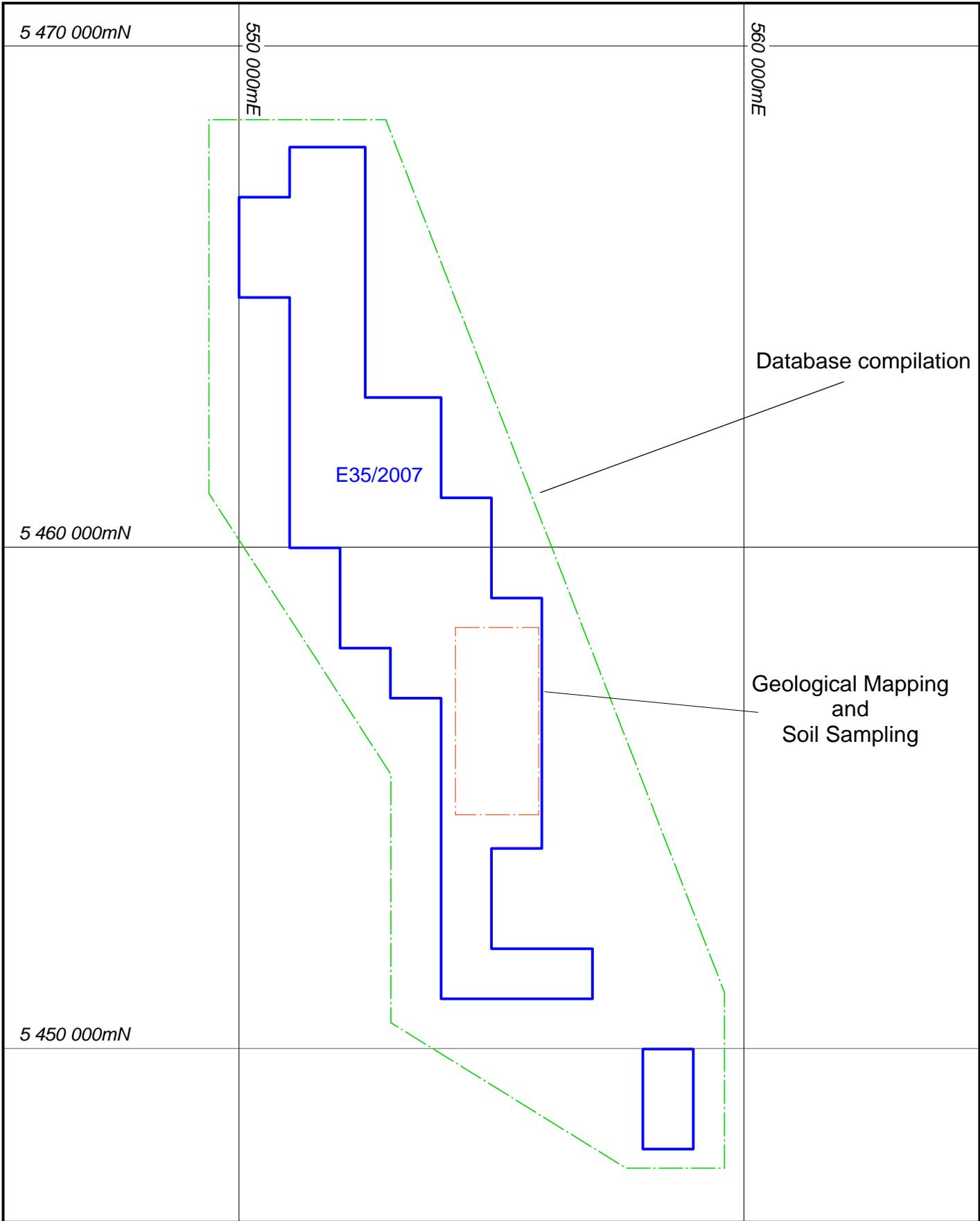
All AMG co-ordinates in this report refer to the AGD66 Datum - Zone55

## FILE SUMMARY LIST

File Name	Format	Contents
el352007_201112_01_report.pdf	pdf	report

### **SUMMARY OF ACTIVITIES FOR EL35/2007 SOUTHERN CROSS FOR THE PERIOD 19 DECEMBER 2010 TO 18 DECEMBER 2011**

- Geological Mapping
- Soil Sampling
- Database Compilation



AGD66-ZONE55



**N**



**GREATLAND PTY LTD**

**EL35/2007 SOUTHERN CROSS**

Exploration Index Map

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## 1.0 Introduction

This report details the exploration activities completed within EL35/2007 during the period 19 December 2010 to 18 December 2011. The lease is located 20km north-east of Scottsdale in north-east Tasmania.

The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period comprised geological mapping and soil sampling at the Oxberry area with results pending. Database compilation for the project was ongoing.

## 2.0 Tenement Details

EL35/2007 Southern Cross was applied for by Greatland Pty Ltd during May 2007 and was granted during December 2007. A voluntary reduction was approved in January 2010 reducing the tenement area to 42sq km. Tenement details are shown in Table 1.

Table 1 – Tenement Details

Tenement	Holder	Date Granted	Size
EL35/2007 Southern Cross	Greatland Pty Ltd 100%	19 Dec 2007	42km <sup>2</sup>

## 3.0 Location and Access

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania (Figure 1). It lies some 20km north-east of the town of Scottsdale and 20km east of the town of Bridport. The tenement forms the north-western parts of the Company's Warrentinna project (Figure 2). Land

within the southern parts of the tenement is state forest or private land under forestry plantation, while the northern parts cover private farming land.

The tenement lies within the Tasmania NE (SK55-21) 1:250,000 map sheet. It straddles the two 1:100,000 map sheets of Forester (8415) and Cape Portland (8416).

From Launceston, access to the project area is by sealed road to either Bridport or Scottsdale then east via sealed or formed gravel roads which traverse the tenement. Formed gravel roads and logging tracks provide adequate 4WD access throughout the tenement.

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

The licence area covers some 20 strike kilometres of Mathinna Group rocks (Figure 3) which comprise metamorphosed sandstones, siltstones and mudstones of late Cambrian to Early Devonian age. The Mathinna Group metasediments, together with intrusive Devonian granites, cover much of the northeastern parts of Tasmania and are considered to be equivalent to rocks of the Melbourne Trough which host the bulk of Victoria's gold mineralisation. Goldfields in northeastern Tasmania hosted by the Mathinna group or adjacent rocks of the same age include Beaconsfield, Lefroy, Mangana, Mathinna, Alberton, Warrentinna, Forester, Waterhouse, Scamander and Portland (Figure 2).

Further details of geology and mineralisation can be found in Baxter, 2008.

#### **5.0 Previous Exploration**

Details of previous exploration can be found in Baxter (2008, 2009 and 2010). The reader is referred to these reports.

## **6.0 Work Carried Out During the Period**

Work completed during the period comprised geological mapping and soil sampling at the Oxberry area with results pending. Database compilation for the project was ongoing.

### *Geological Mapping*

1:10,000 scale geological mapping was carried out at the Oxberry area north of Williams Hill during early Dec 2011. Details will be reported in the following annual report.

### *Soil Sampling*

Soil sampling was carried out at the Oxberry area north of Williams Hill during early Dec 2011. Details will be reported in the following annual report.

### *Database Compilation*

Ongoing during 2011 was compilation of project data into the Company database. This was progressed during the year.

## **7.0 Conclusions**

EL35/2007 Southern Cross is located 65km north-east of Launceston in north-east Tasmania. It lies some 20km north-east of the town of Scottsdale and forms the north-western parts of the Company's Warrentinna project.

The tenement covers some 20 strike kilometres of Mathinna Group meta-sediments. The company's main focus is gold mineralisation.

Work completed during the period comprised geological mapping and soil sampling at the Oxberry area with results pending. Database compilation for the project was ongoing.

## **References**

Baxter, C., 2008. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2007 to 18 December 2008. Greatland Pty Ltd, pp11.

Baxter, C., 2009. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2008 to 18 December 2009. Greatland Pty Ltd, pp4.

Baxter, C., 2010. Annual Report for EL35/2007 Southern Cross for the Period 19 December 2009 to 18 December 2010. Greatland Pty Ltd, pp4.

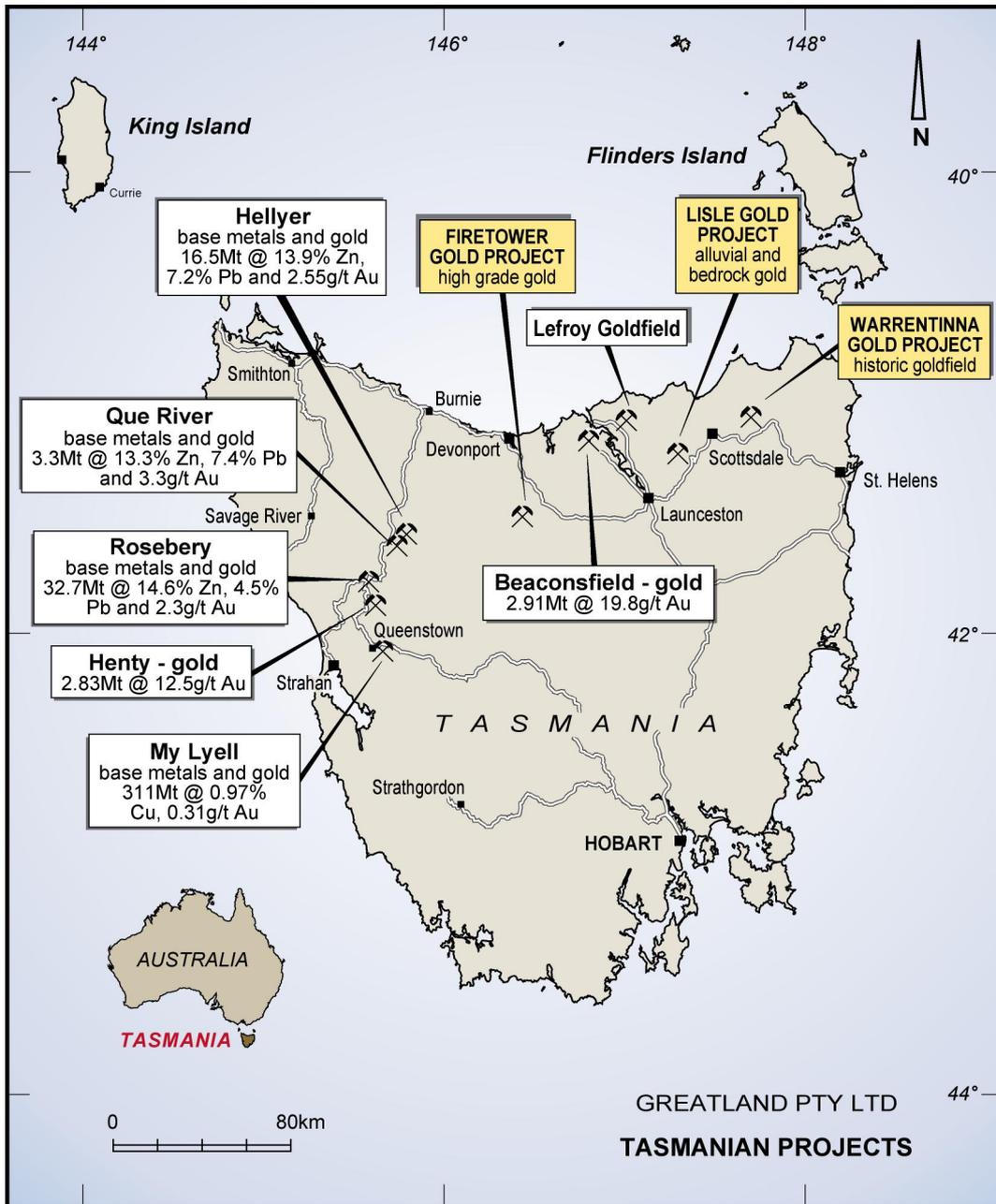


Figure 1 – Project Location Map

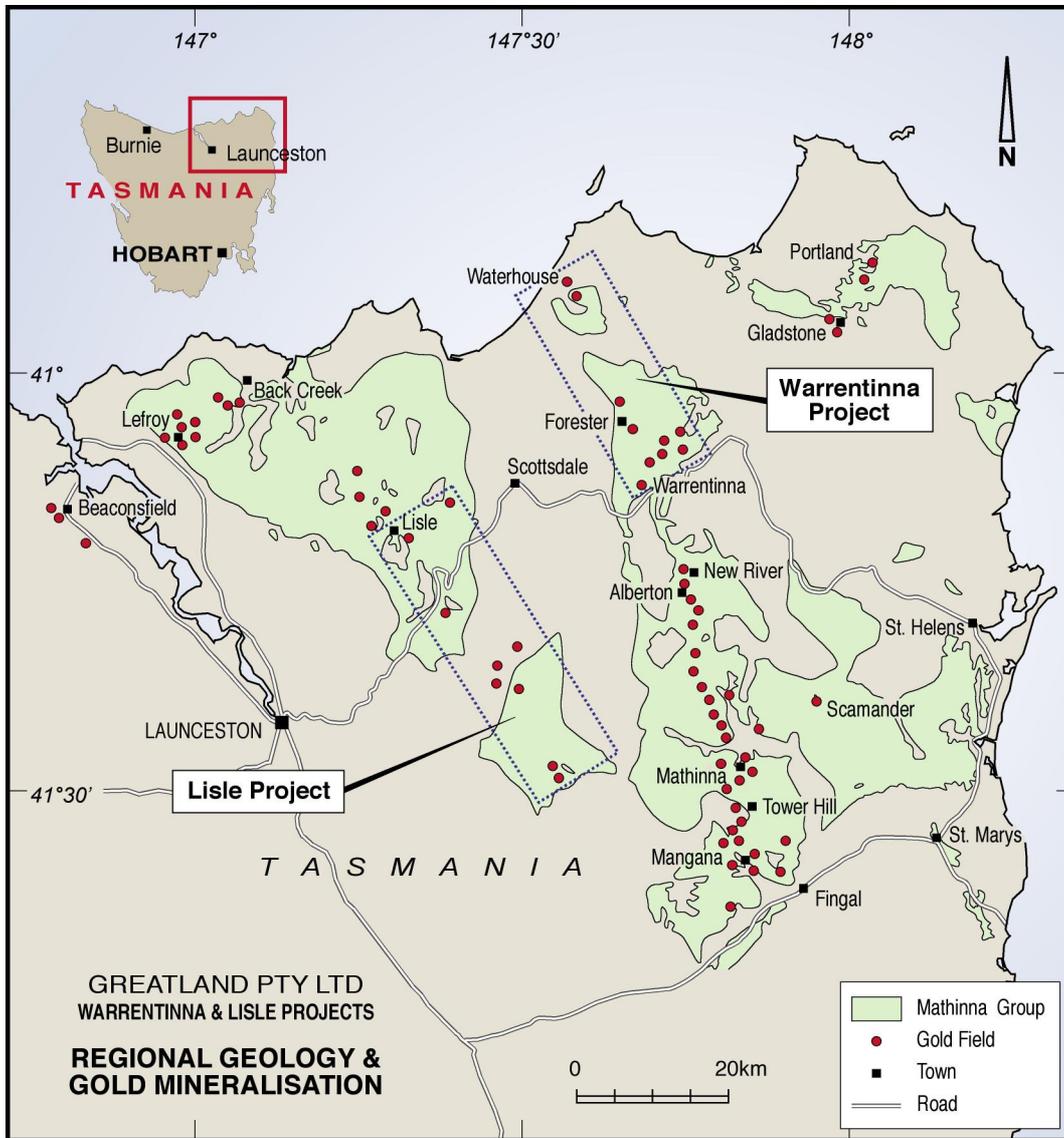


Figure 2 – Regional Geology

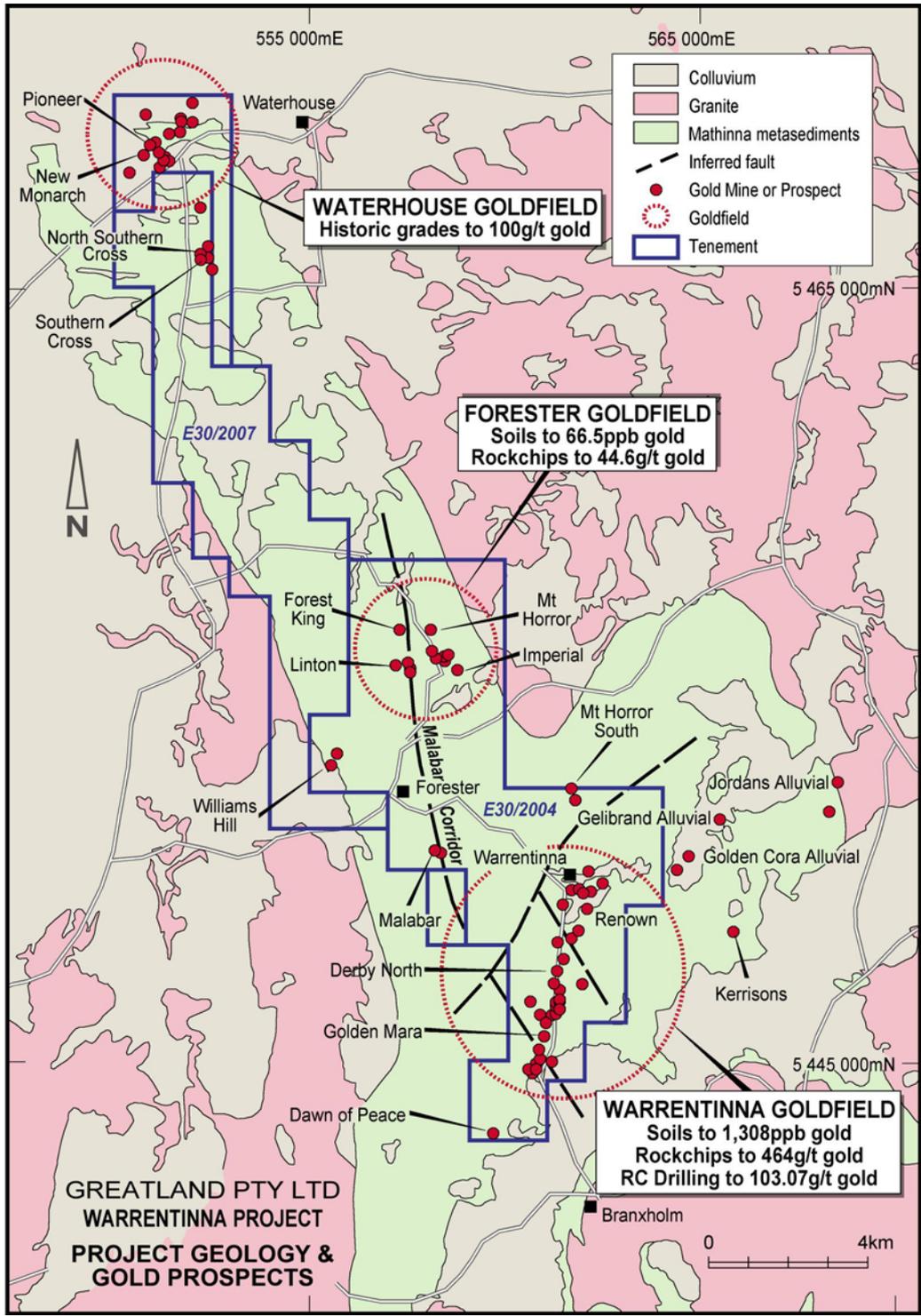


Figure 3 – Project Geology