

## **2<sup>nd</sup> Partial Relinquishment Report**

**on**

### **EL 12/2012 – Scottsdale**

**Reporting Period:** 12 December 2012 - 11 December 2015

**Project Operator:** ABx4 Pty Ltd

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# 1 ABSTRACT

## **Objective:**

Exploration Licence (EL) 12/2012 “Scottsdale” was applied for by ABx4 Pty Ltd (“ABx4”) in order to facilitate an exploration program to discover economically viable deposits of bauxite associated with Tertiary Volcanics, in an area with old peneplained surfaces preserved as plateaus. The goal of the program was to determine the quality and quantity of the bauxite in the area using an RC drill rig mounted on a light Mitsubishi 12 tonne truck.

## **Work undertaken in relinquished area:**

1. Field reconnaissance along public roads and tracks. One surface sample was collected and assayed.
2. Brief desktop review – to determine area currently proposed for relinquishment.

## **Results:**

Field reconnaissance was undertaken in the first year of tenure in which ABx4 geologists traversed public roads and tracks in the area in a 4WD vehicle. One surface sample was collected in the area currently proposed for relinquishment but assay results revealed it was not bauxite.

A brief desktop review of the Scottsdale tenement was undertaken in order to select areas for relinquishment going into the fourth year of tenure.

ABx4 has applied to relinquish 36 km<sup>2</sup> of the tenement area of EL12/2012.

## 2 INTRODUCTION

### Exploration Rationale

EL 12/2012 “Scottsdale” was applied for in order to facilitate an exploration program to discover economically viable deposits of bauxite associated with Tertiary Volcanics in an area with old peneplained surfaces preserved as plateaus. The goal of the program was to determine the quality and quantity of the bauxite in the area using an RC drill rig mounted on a light 12 tonne truck.

### Geological Setting

The historic work done by H.B. Owen (‘Bauxite in Australia’, 1954) demonstrated that bauxite in Tasmania can be found in both Jurassic Dolerite and Tertiary Basaltic Volcanics. According to Owen, these bauxite deposits - regardless of host rock type - are thought to form either as ‘grouped remnants of former continuous sheet’ or ‘formed in lenticular or pod shaped bodies in localised depressions’.

### Tenement Information

EL 12/2012 “Scottsdale” was granted on and from 12 December 2011 for a period of 5 years to ABx4. The Mineral Category of EL 12/2012 is 1 – Metallic Minerals and Atomic Substances.

This is the 2<sup>nd</sup> Partial Relinquishment Report for the reporting period 12 December 2012 - 11 December 2015 incorporating the results of work completed in the relinquished areas throughout the full term of tenure.

The total area of the original licence was 128sq km. ABx4 has previously relinquished 46 km<sup>2</sup> and is now applying to relinquish a further 36 km<sup>2</sup> to bring the total remaining area to 46 km<sup>2</sup>.

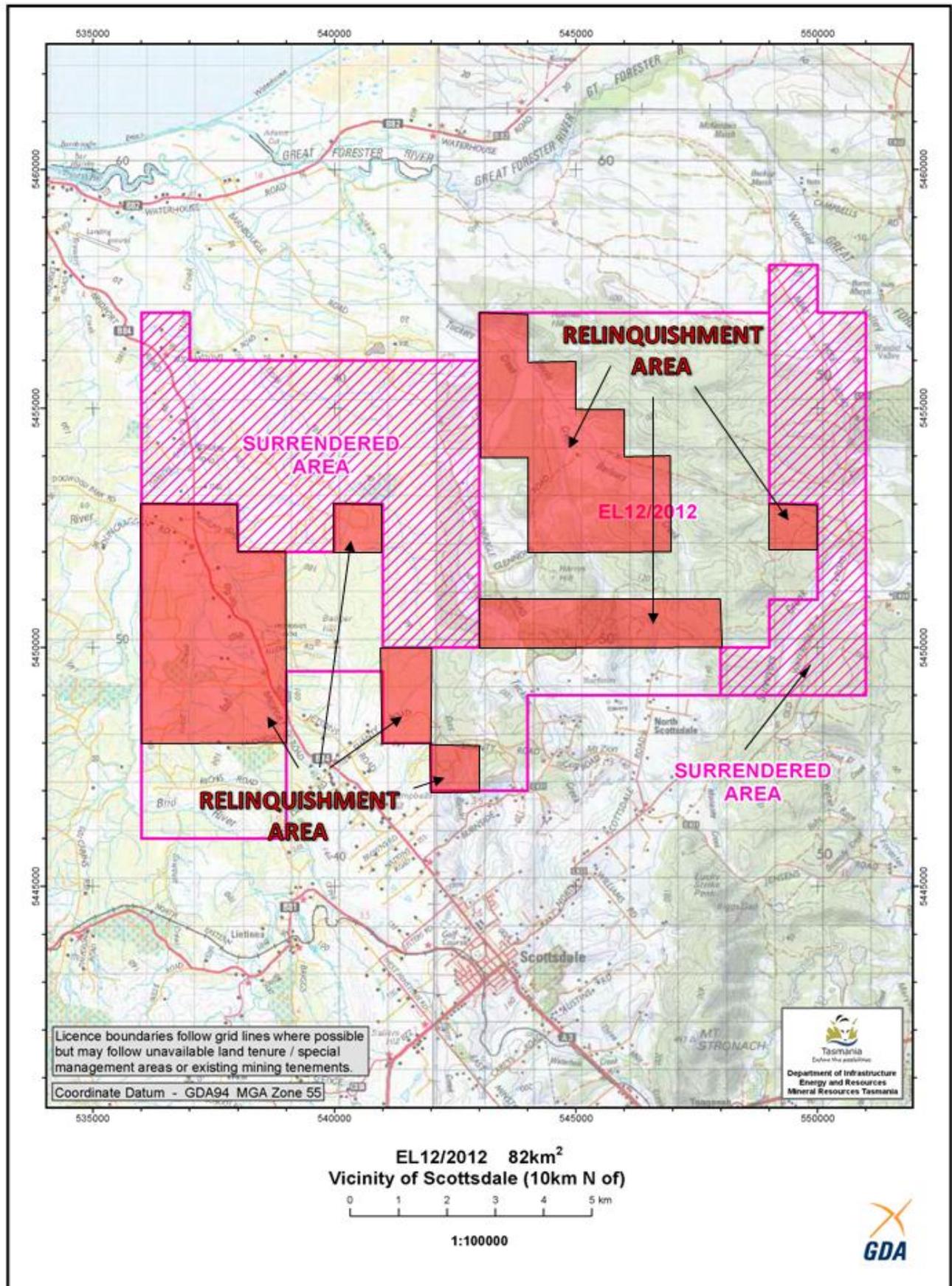
### Location

The Scottsdale tenement is centred on the Scottsdale State forest and is approximately 4km north of Scottsdale. The tenement is only 60km by road to the port of Bell Bay, a large operating port north of Launceston. There is also a railway through Scottsdale which is currently decommissioned. The Scottsdale tenement is ideally located for both rail and road transport to the port.

The majority of the land usage is plantation, State Forest and agricultural land.

### Tenure, including joint venture details and title transfers

EL 12/2012 “Scottsdale” is 100% owned by ABx4 which is a fully owned subsidiary of Australian Bauxite Limited.



Map 1. EL 12/2012 location map showing areas of the tenement currently proposed for relinquishment (red shading).

### 3 EXPLORATION UNDERTAKEN ON THE RELINQUISHED AREA DURING THE LICENCE TENURE

#### Prior to Current Tenement

No historical references for bauxite have been identified for the Scottsdale Tenement.

Geological Maps composed by Mineral Resources Tasmania:

- McClenaghan, M.P., Vicary, M.J. 2010. Digital Geological Atlas 1:25000 Scale Series, Sheet 5445. Pearly Brook. Mineral resources Tasmania.

#### Within Current Term of Tenure

##### **Field Reconnaissance and Surface Sampling**

During the first year of tenure field reconnaissance and surface sampling took place. Only one surface sample was located in the area currently proposed for relinquishment. This sample, TA584, was assayed at ALS Laboratories, Brisbane, the results of which showed that this sample was not bauxite.

The location of the sample is illustrated by the arrow on Map 2.

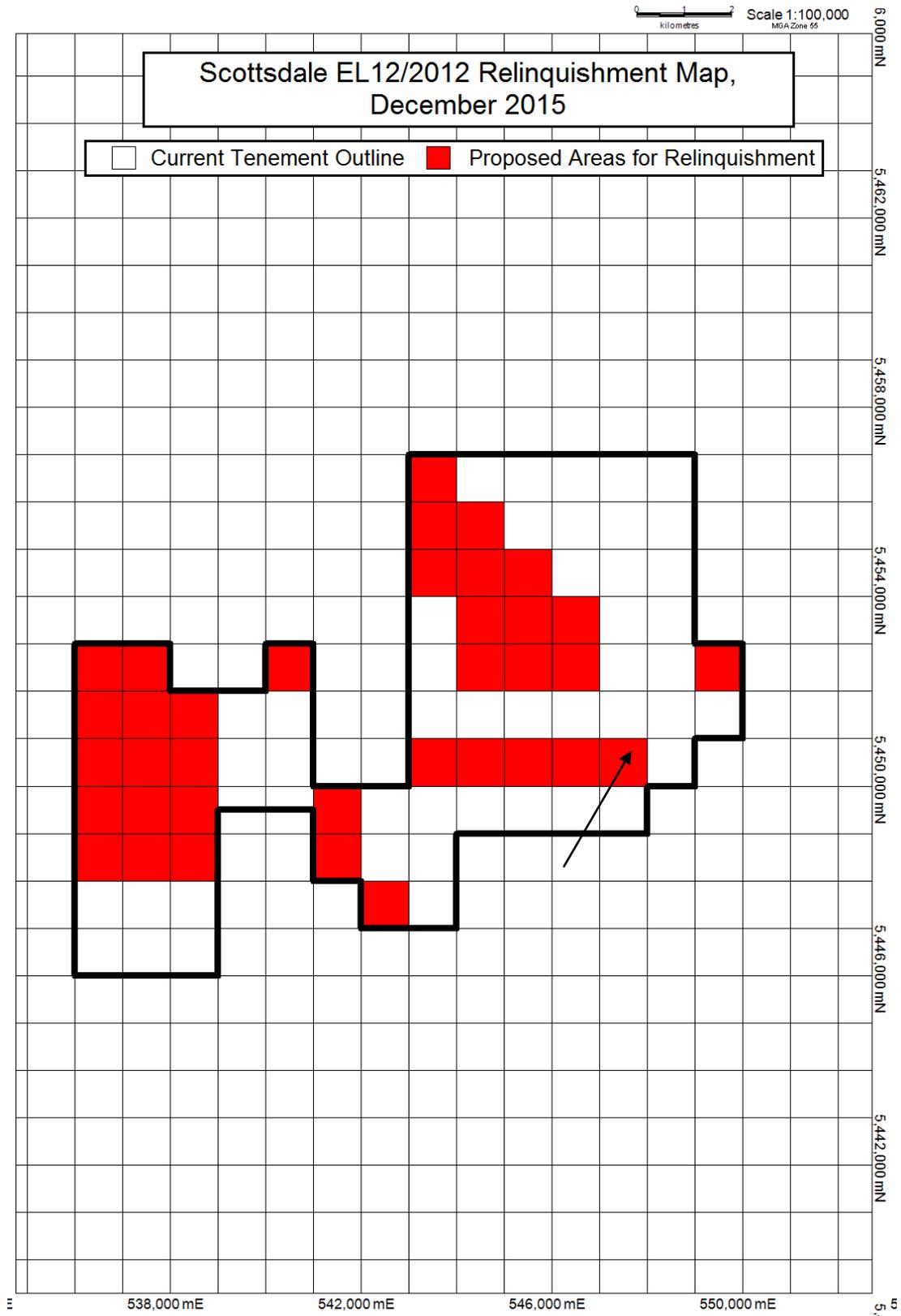
Sample information				Assay Results					
Sample ID	Easting (m) UTMz55	Northing (m) UTMz55	Elevation (AHD) (m)	Al <sub>2</sub> O <sub>3</sub> avl %	Rx SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Fe <sub>2</sub> O <sub>3</sub> %	LOI %
TA584	547672	5450725	116m	1.7	15.9	16.9	65.3	6.4	9.4

Other roads were traversed in the relinquished areas but no bauxite outcrops were found.

##### **Desktop Review**

A brief desktop review of the Scottsdale tenement was undertaken in order to select areas for relinquishment going into the fourth year of tenure.

The areas selected for relinquishment are shown on Map 1 and 2. These areas were selected on the basis that they are not highly prospective for discovery of bauxite. Past exploration activities in these areas were unsuccessful in identifying any bauxite outcrops.



Map 2. Areas proposed for relinquishment shown in red. Location of surface sample in first year of tenure indicated by arrow.

## **4 DISCUSSION OF RESULTS**

No bauxite was identified during previous field reconnaissance in the relinquished areas. These areas are therefore considered less prospective for the discovery of economic quantities of bauxite.

## **5 CONCLUSIONS AND RECOMMENDATIONS**

No bauxite was identified during previous field reconnaissance in the relinquished areas. These areas are therefore considered less prospective for the discovery of economic quantities of bauxite.

ABx4 has applied to relinquish 36 km<sup>2</sup> of the tenement area of EL12/2012.

## **6 ENVIRONMENT**

### **Surface Disturbing Operations:**

No surface disturbing operations were undertaken over the areas being relinquished.

Traversing was undertaken only on existing tracks and public roads.

### **Surveys (archaeological, botanical):**

No surveys were undertaken over the areas being relinquished.

### **Rehabilitation:**

No rehabilitation was required over the areas being relinquished.

## 7 REFERENCES

H.B. Owen, 1954, *Bauxite in Australia*, Bulletin 24.

McClenaghan, M.P., Vicary, M.J. 2010. *Digital Geological Atlas 1:25000 Scale Series, Sheet 5445. Pearly Brook*. Mineral resources Tasmania.

T. Coyte, *First Annual Report on EL12/2012 Scottsdale*, December 2013, ABx4 Pty Ltd

T. Coyte, *Second Annual Report on EL12/2012 Scottsdale*, December 2014, ABx4 Pty Ltd