

Final Report
on
EL 5/2013 – Tunross West 2

Reporting Period: 22 October 2013 – 21 October 2014
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1 ABSTRACT

Objective:

Exploration Licence (EL) 5/2013 “Tunross West 2” was applied for in order to facilitate an exploration program to discover economically viable deposits of bauxite. 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.

Methodology:

1. Detailed geological mapping, including geomorphological mapping, to define the areas with best potential for bauxite.
2. Systematic sampling of natural outcrops, exposures in road cuttings and specialist bauxite analyses to determine total and available alumina, reactive silica and loss on ignition and other analyses required for bauxite search.
3. Drill testing of selected areas by a 4WD-mounted drill rig or equivalent.

Results:

No bauxite was observed during the 2-day field trip in August 2014, which covered the main thoroughfares throughout the Tunross West 2 tenement including areas of mapped Jurassic dolerite.

Recommendations for future work:

A recommendation was made to management to relinquish EL 5/2013 “Tunross West 2” based on results of exploration and management accepted the recommendation.

Tenement Information

EL 5/2013 “Tunross West 2” was granted on and from 10 September 2013 for a period of 5 years to ABx4 Pty Ltd (**ABx4**). Total area of the Licence is 184 sq km and its Mineral Category is 1 – Metallic Minerals and Atomic Substances.

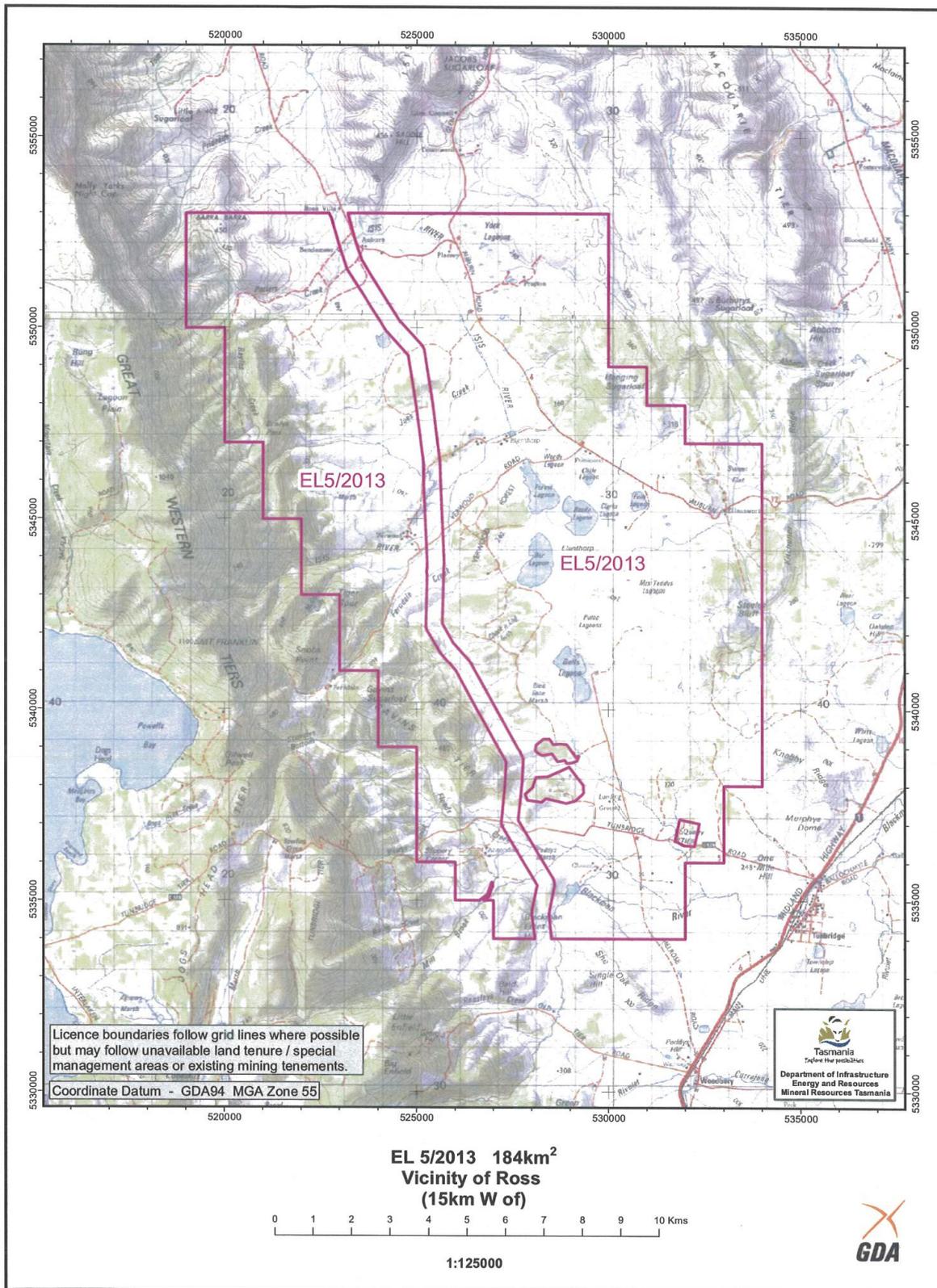
This is the Final Report for the reporting period 22 September 2013 – 21 September 2014 incorporating the results of work completed during the first year of tenure.

Tenure, including joint venture details and title transfers

EL 5/2013 “Tunross West 2” is 100% owned by ABx4 which is a 100%-owned subsidiary of Australian Bauxite Limited.

Location

Tunross West 2 is located 22km south-southwest of the Conara railway junction and 6km west of the Midland Highway (at Ross), both capable of transport to either Hobart or Bay Port. Tunross West 2 is located just 60km south of Launceston which could provide a wide range of services and skilled work force.



Map 2. Location Map of EL 5/2013 "Tunross West 2". Datum: GDA94 MGA Zone 55.

3 REVIEW OF PREVIOUS WORK

Prior to Current Tenement

No references to bauxite within the Tunross West 2 tenement were found within literature, however, it is known that work was done in the nearby Conara/Campbell Town area - about 15km to the north-east - by H.B. Owen in his book "Bauxite in Australia", 1954 (Bulletin 24).

During current Tenement

This is the first year of exploration in EL 5/2013; all activities to date are outlined within this report.

4 EXPLORATION COMPLETED DURING THE REPORTING PERIOD

Literature Review

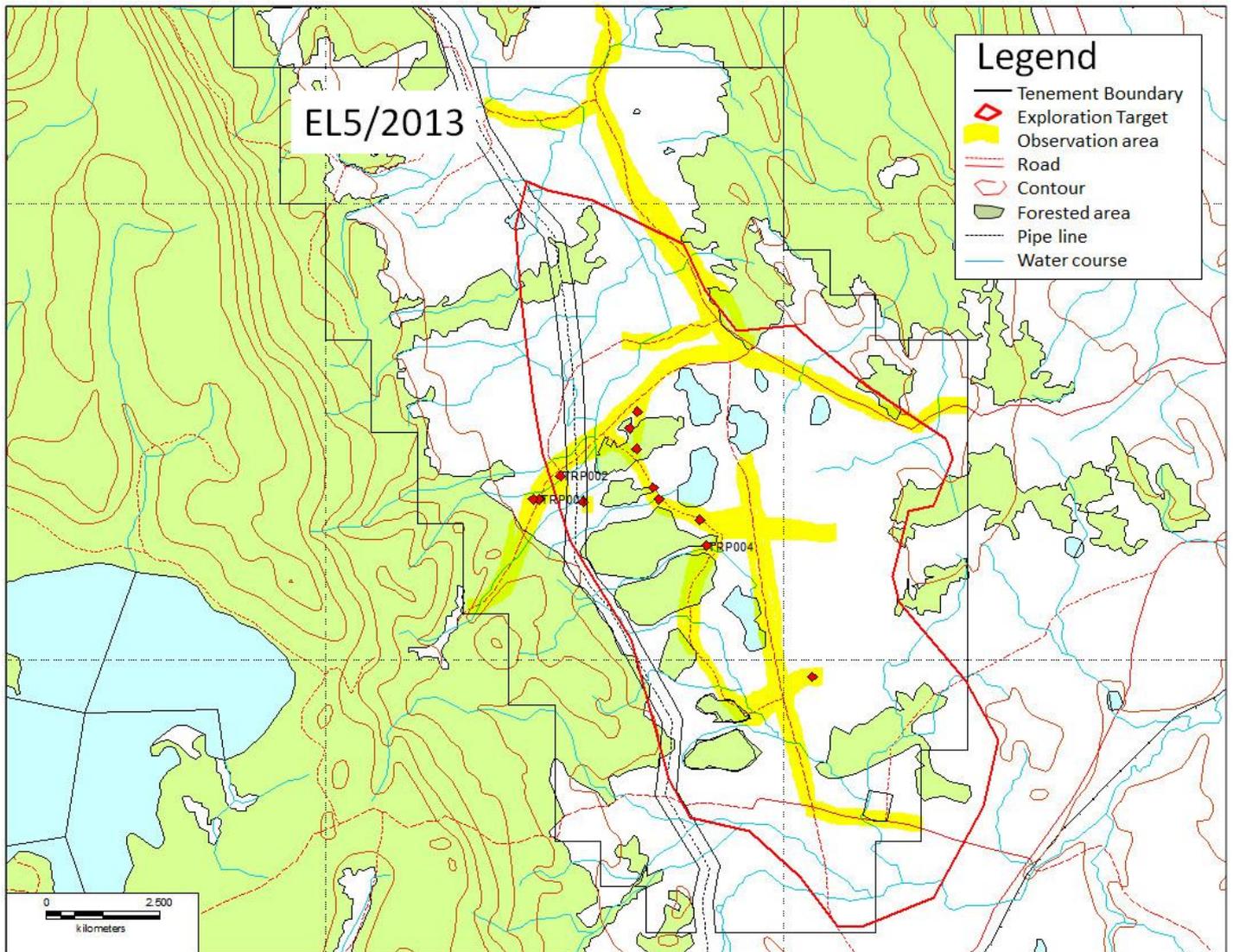
H.B. Owen, 1954, Bauxite in Australia, Bulletin 24.

Regional Exploration Activities

The two-day field trip in August 2013 revealed that the geology of Tunross West 2 consists of ridges of laterite derived from tertiary sand, mud and clay. The sediments are a thick layer which fill the valley, and is probably derived from Triassic Sandstone which occurs on the edges of the valley along with Jurassic dolerite. There appears to be Tertiary volcanics in the valley, which is indicated by the presence of black Gilgai soils (soil derived from dolerite are usually orange). These areas were explored in greater detail but no bauxite was observed.

Four samples were collected from the area which were intended to be tested for LOI (log on ignition), which is thought to positively correlate with bauxite grade. Unfortunately these tests had to be delayed and were not finalised at the time of reporting.

No drilling took place during the current term, and surface disturbance by sampling was of a negligible impact.



Map 3. EL 5/2013 Tunross West 2 showing public roads traversed by vehicle (yellow shaded areas). Red diamonds mark observation areas; labels are samples taken and assayed. Datum: WGS84.

Table 1. Waypoints with sample numbers and rock descriptions.

WP	Sample ID	Description
1		Laterite
2		Laterite
3		Sandy Sediments
4		Laterite
5		Laterite
6		Laterite
7		Gilgai Soil
8	TRP001	Monochromatic red, fine grained with black dendritic veins, quartz rich and light weight, possible semi-bauxitised tuff
9		Dolerite
10	TRP002	Orange/Brown Iron rich material. No quartz visible in hand specimen. Iron layering with cores of possible relic volcanic textures
11	TRP003	Quartz with an Iron and mud mix on contact with Jurassic Dolerite and Tertiary Volcanics.
12	TRP004	Purple red matte textured material, no quartz in matrix. Minor quartz grains in Bands with zones of black Iron. Overall very heavy.
13		Volcanics

Table 2. Waypoints with sample numbers and GPS Coordinates. Coordinate datum WGS84 (lat/long and UTM).

WP	Sample ID	Latitude	Longitude	North	East
1		-42.0576	147.3282	5,343,772	527,155
2		-42.0599	147.3297	5,343,519	527,276
3		-42.0640	147.3404	5,343,062	528,163
4		-42.0499	147.3237	5,344,632	526,789
5		-42.0459	147.3218	5,345,078	526,634
6		-42.0427	147.3239	5,345,438	526,806
7		-42.0600	147.2982	5,343,514	524,672
8	TRP001	-42.0599	147.2981	5,343,526	524,667
9		-42.0601	147.2965	5,343,514	524,535
10	TRP002	-42.0554	147.3037	5,344,032	525,127
11	TRP003	-42.0605	147.3096	5,343,464	525,618
12	TRP004	-42.0691	147.3423	5,342,499	528,318
13		-42.0950	147.3703	5,339,605	530,624

5 DISCUSSION OF RESULTS

Due to the fact that no bauxite was observed during the August 2014 field trip, which involved a comprehensive traverse of roads within Tunross West 2 by vehicle, the Tunross West 2 area appears to be much less prospective than in many other ABx4 tenement areas throughout Tasmania.

6 CONCLUSIONS AND RECOMMENDATIONS

Due to the fact that no bauxite was observed during the August 2014 field trip, which involved a comprehensive traverse of roads within Tunross West 2 by vehicle, the Tunross West 2 area appears to be much less prospective than in many other ABx4 tenement areas throughout Tasmania.

Recommendations for future work:

A recommendation was made to management to relinquish EL 5/2013 Tunross West 2 based on results of exploration and management accepted the recommendation.

7 ENVIRONMENT

Surface Disturbing Operations:

No surface disturbing operations took place during the reporting period, besides the collecting of four samples from the side of the road. The samples were not *in situ* and therefore no disturbance to the surface was made.

Travelling was done on existing tracks.

Surveys (archaeological, botanical):

No Archaeological or botanical surveys were undertaken in the Tunross West 2 area.

Rehabilitation:

There was no drilling or track construction and therefore nothing to rehabilitate.

8 EXPENDITURE

Table 3. Exploration Activity and Expenditure Table for reporting period 22 September 2013 – 21 September 2014.

Exploration Category	Description of Activity	Quantity	Expenditure
Office Administration			\$50
Authority Management	Environment		\$250
Office Activities			\$200
Field Activities	Geological Mapping		
	Sampling		\$38
	Equipment Hire	Vehicle	\$100
	Accommodation/Field Camp	Days	\$225
	Travel	Vehicle Hire	\$175
	Land Holder Liaison		
	Field Supplies		\$100
	Other		
	Geophysics		
	Airborne		
	Type	Line kms	
	Ground		
	Type	Line kms	
	Drilling (program cost)		
	RAB/AC	Holes/total metres	
	RC	Holes/total metres	
	Diamond	Holes/total metres	
	Other	Holes/total metres	
Laboratory	ME-XRF 13B, Reactive Silica, Available Alumina	5 samples	
Salaries / Wages	Employees	Geological	\$800
		Grand Total	\$1,938

Note: Office Administration was met by parent company – Australian Bauxite Limited.

9 REFERENCES

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

MRT Document ER8314S0: Geological survey explanatory report, geological atlas 1:50 000 series, sheet 54 (8314S), Lake River

MRT Document ER8313N0: Geological Survey Explanatory Report, Geological Atlas 1:50 000 series, sheet 61 (8313N) Interlaken