NT Minerals Pty Ltd

Ti Tree Project - GR300
(EL 29132 & 29133)

Annual and Final Report
For the period
06 Jun 2012 to 3 April 2014
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1.0 ABSTRACT

The Ti Tree Project comprises Exploration Licenses (EL) 21932 and 21933. Both Titles were surrendered on 3 April 2014. The Project was located within the Paleo to Mesoproterozoic rocks of the Aileron Province within the Arunta Region of Central Australia.

The main commodities targeted within the Project included base metals, uranium, REE and orogenic gold. A detailed review of historical exploration and validation of historical exploration data was undertaken and can be found, in summary, in the Year 1 Annual Report.

Through the review and further assessment of the historical data it was found that EL 29132 and 29133 were not prospective areas for the targeted types of mineralisation. As a result these titles were surrendered and NT Minerals Pty Ltd has instead chosen to focus on more prospective projects.

2.0 LOCATION AND OVERVIEW

The Ti Tree Project is centred approximately 150 km north of Alice Springs (Figure 1). The area is dominated by flat alluvial and aeolian plains at an elevation of between 550 m and 600 m. There are no topographic features of significance in the area.

Figure 1 – Location map of the Ti Tree Project
2.1 TENEMENT DETAILS

The Ti Tree Project was comprised of two Titles (EL 21932 and 21933) and covered a combined area of 1,068 km$^2$. The details of the two surrendered Titles are shown in Table 1 below.

Table 1 - Tenement Details

<table>
<thead>
<tr>
<th>TENEMENT INFORMATION</th>
<th>EL29132</th>
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<tr>
<td>EL NUMBER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Granted</td>
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<td>6/6/2012</td>
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<tr>
<td>Expenditure Commitment Year 2</td>
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<td>$35,000</td>
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</table>

2.2 ACCESS

Access to the western part of the project area is gained via the Stuart Highway and station tracks. The eastern area is accessed via the Sandover Highway and a network of station tracks. The Alice Springs - Darwin railway passes through the centre of the project area.

3.0 REGIONAL GEOLOGY

The Ti Tree project lies in the eastern portion of the Palaeoproterozoic Aileron Province of the Arunta Block near the southern margin of the Neoproterozoic to Palaeozoic Georgina Basin.

The project area is almost completely covered by Quaternary to Recent aeolian sediments, alluvium and colluvium with minor saprolite underlying the southern block of EL 29133. Fluvial palaeochannels of the Cainozoic Ti Tree Basin underlie much of the aeolian and alluvial cover of EL 29132. The Ti Tree Basin, which may be up to 200 m thick in places, is interpreted to directly overlie Palaeoproterozoic metamorphic basement rocks of the Aileron Province.

The NTGS geological map of the area shows the interpreted basement rocks to be predominantly metasediments of the Lander Rock Beds intruded by granites. In the eastern part of the northern block of EL 29133 is shown to be underlain by basal sediments of the Neoproterozoic to Cambrian Georgina Basin. A series of west northwest trending structures are interpreted to traverse the project area.

The principal exploration targets within the project area were base metals (Cu, Zn and Pb) and gold within the Palaeoproterozoic basement rocks and sandstone-hosted uranium mineralisation within the Cainozoic palaeochannels of the Ti Tree Basin. The Home of Bullion copper project, located to
the north of the project area within Aileron Province lithologies, gives some encouragement for similar styles of mineralisation within the project area.

A map of the local geology in the project area is shown below in Figure 2.

Figure 2 – Ti Tree Project local geology map

4.0  EXPLORATION HISTORY
There are a number of historic titles that have overlapped the area covered by EL 29132 and 29133. The exploration conducted over these tenements has been reviewed and reported on in the Year 1 Annual Report for the Ti Tree Project.

5.0  EXPLORATION RATIONALE
Several commodities were initially considered prospective within the region including base metals, uranium, REE and orogenic gold. A detailed review of the NTGS digital exploration database, principally focussed on the aeromagnetic and gravity data, was conducted specifically to look for exploration targets within the lithologies of the basement Aileron Province.
6.0 OPERATIONS REPORT
No field work has been completed on the Ti Tree Project. Work associated with this project has focussed on a review of previous exploration to determine the prospectively of the project and a forward exploration programme.

7.0 CONCLUSION AND RECOMMENDATIONS
The review and assessment of historical data found that the Ti Tree Project was not prospective for the targeted types of mineralisation. As a result the titles EL 29132 and 29133 were surrendered on 26 March 2014, effective 1 April 2014.