NT Minerals Pty Ltd

EL 29087 & 29088

Annual and Final Report
For the period
06 Jun 2012 to 02 Jan 2014

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Target Commodity: All Minerals
Relevant 250K Map sheets: Alice Springs
Relevant 100K Map sheets: Burt, Laughlen, Alice Springs, Undoolya
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1.0 ABSTRACT

The Exploration Licenses (EL) 29087 and 29088 make up two of the four Titles in the amalgamated Burt Plain Project. The Titles EL 29087 and 29088 were surrendered effective 2nd January 2014. The titles are both located within 15 km of Alice Springs to the north, northeast and east. Together they cover an approximate area of 1,644 km² of the Amadeus Basin.

From the grant date to surrender no field activities were conducted over EL 29087-29088.

The Burt Plains Project is 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 include base metals, Ni-Cu, uranium, mafic-hosted vanadiferous magnetite, REE and orogenic gold. A detailed review of historical exploration and validation of historical exploration data has been the initial focus for exploration.

The review and assessment of the historical data found that EL 29087 and 29088 were the least 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 the more prospective north-eastern titles of the project.
2.0 LOCATION AND OVERVIEW

The Burt Plains Project extends from approximately 30 km to the east of Alice Springs to over 100 km to the north of Alice Springs encompassing four tenements. Refer to Figure 1 below.

![Location Map - EL 29087 & 29088](image)

**Figure 1** - Burt Plains Project surrendered titles location map

2.1 TENEMENT DETAILS

Amadeus East Project was comprised of a total of four Titles and covered an area of 2,771 km². The details of the two surrendered Titles are shown in Table 1 below.

**Table 1** - Tenement summary

<table>
<thead>
<tr>
<th>EL NUMBER</th>
<th>EL29087</th>
<th>EL29088</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Granted</td>
<td>6/6/12</td>
<td>6/8/12</td>
</tr>
<tr>
<td>Years</td>
<td>6 years</td>
<td>6 years</td>
</tr>
<tr>
<td>Sub-Blocks</td>
<td>296</td>
<td>243</td>
</tr>
<tr>
<td>Size Km²</td>
<td>932</td>
<td>712</td>
</tr>
</tbody>
</table>
2.2 ACCESS

There are limited vehicle tracks within the project area apart from the Stuart Highway with traverses the centre of the project in a NS direction. Numerous cleared fence lines throughout the project would provide some vehicle access.

2.3 PHYSIOGRAPHY

The physiography of the surrendered areas is dominated by rocky hills associated with the MacDonnell Ranges in the southeast extending to flat open sand covered and alluvial areas to the northwest.

3.0 REGIONAL GEOLOGY

The Burt Plains project lies in the south eastern portion of the Palaeoproterozoic Aileron Province of the Arunta Block and slightly overlaps with the northern margin of the Neoproterozoic Amadeus Basin.

Over the northern part of project straddles the boundary between the Lander Rock Beds and the Strangways Metamorphic complex. The region has also been intruded by Palaeoproterozoic mafic intrusive complexes. Copper and gold mineralisation occurs in a north west trending belt to the north of the project and current interpretations are that this mineralisation is related with iron oxide copper gold (‘IOCG’) style mineralisation. While the previous exploration focus has targeted outcropping mineralisation potential there remains an opportunity to target IOCG style mineralisation under cover using the airborne magnetics data. No previously identified mineral prospects lie within the current project area.
4.0 EXPLORATION HISTORY

There are a number of historic titles that have overlapped the area covered by EL 29087 and 29088. The exploration conducted over these tenements has been reviewed and reported on in the Year 1 Annual Report for the Burt Plain Project.

5.0 EXPLORATION RATIONALE

Several commodities were considered prospective within the region including base metals, Ni-Cu, uranium, mafic-hosted vanadiferous magnetite, REE and orogenic gold. A more detailed review of the NTGS digital exploration data base was required to specifically look at the effective sample coverage in conjunction with the regolith data as well as investigate regional data sets such as stream sediment data and look at the coverage for the various elements that have been analysed.
6.0 OPERATIONS REPORT
No field work has been completed on the Burt Plain Project. Work associated with this project has focused on a review of previous exploration in order to plan the forward exploration programme.

7.0 CONCLUSION AND RECOMMENDATIONS
The review and assessment of the historical data found that EL 29087 and 29088 were the least prospective tenements in the Burt Plain project for the targeted types of mineralisation. As a result these titles were surrendered and NT Minerals Pty Ltd has instead chosen to focus on the more prospective north-eastern titles of the project.

8.0 REFERENCES
Barrie, J. 1964, Phosphate Drilling, Amadeus Basin, BMR 1964/0195
Huston, D. 2011, An assessment of the uranium and geothermal prospectivity of east central South Australia, Geoscience Australia, 2012/51
Lindsay, J.F., 1999, Heavitree Quartzite, a Neoproterozoic (ca 800-760Ma), high-energy, tidally influenced, ramp association, Amadeus Basin, central Australia, Australian Journal of Earth Sciences 46 127-139