FINNISS RANGE PROJECT, NT

EL 26467
(East Charlotte)

ANNUAL REPORT

FOR THE PERIOD

23rd June 2010 TO 22nd June 2011

Tenement : EL 26467
Owner : Altura Exploration Pty Ltd
Operator : Altura Exploration Pty Ltd
Prepared by : B G Bourke
Date : July 2011
Distribution : Altura Exploration Pty Ltd (1)
Department of Resources - NT (1)
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1. SUMMARY

Studies undertaken on EL 26467 comprised desk top studies including an ongoing review of historical reports and data. No field orientated work was undertaken – primarily because of Altura’s inability to employ a geologist to carry out the 2010 – 2011 planned field activities.

2. INTRODUCTION

This report covers exploration work carried out by Altura Exploration Pty Ltd, a wholly owned subsidiary of Altura Mining Limited during the reporting period 23rd June 2010 to 22nd June 2011.

3. LOCATION AND ACCESS

The Finniss Range Project is located approximately 50 km south of Darwin; roughly 20 km southwest of Berry Springs/Tumbling Waters. Access is via the all-weather Litchfield National Park and Fog Bay Roads, and various dirt tracks.

The Exploration Licence lies on the Darwin 1:250,000 (SD52-4), and Bynoe (5072) 1:100,000 scale topographical and geology sheets.

4. TENEMENT STATUS

EL 26467 was granted to Altura Exploration Pty Ltd on 23rd June 2008 for a period of six (6) years.

The tenement is part of a project which also includes EL’s 24773, 24774, 25603, 25604, 25521, 26399, 26469 and 26932 – Figure 1.

Table 1. EL 26467–Tenement Details.

<table>
<thead>
<tr>
<th>Tenement</th>
<th>Holder</th>
<th>Grant Date</th>
<th>Expiry</th>
<th>Area</th>
<th>Rent$</th>
<th>Commitment $</th>
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<tr>
<td>EL26467</td>
<td>Altura Exploration Pty Ltd</td>
<td>23.06.2008</td>
<td>22.06.2014</td>
<td>1 block</td>
<td>$22</td>
<td>$11,000</td>
</tr>
</tbody>
</table>
Figure 1. Finniss Range Project - Tenement Location Plan and Regional Geology.
5. LOCAL GEOLOGY

The project area comprises rocks of the Early Proterozoic Burrell Creek Formation - see Figure 1 – made up of interbedded sequences of lutite, arenite and rudite. The sediments form undulating hills, low ridges and prominent strike ridges where more resistant arenite predominates in outcrop. Sandstone units are often metamorphosed to quartzite and typically form blocky beds between 0.2-2.0m thick. The units are strongly jointed and fractured, and often quartz veined. Much of the area is covered by ferricrete, which varies between massive and pisolitic.

The Burrell Creek Formation conformably overlies the Mount Bonnie Formation, the contact being defined by the top of the uppermost unit of argillite, tuff, banded iron formation, or shale containing chert bands, lenses or nodules.

To the west, the Burrell Creek Formation is intruded and contact metamorphosed by the Two Sisters Granite. The metamorphic grade increases westward from sub-greenschist facies siltstone and sandstone in the east to upper greenschist facies gneiss and schist in the west.

The Two Sisters Granite forms a discordant irregular batholith, and consists of moderately to non-foliated granite, adamellite, granodiorite and minor porphyritic granite.

The Archaean Rum Jungle Complex is located to the east of the Finniss Range Project, where it is exposed as scattered low pavements and boulder-strewn outcrops protruding through a thin veneer of Cainozoic sand.

Rare element pegmatites that crop out in the area form the Litchfield pegmatite belt. The Litchfield belt is divided into the more prominent Bynoe Pegmatite Field, and the less significant Wingate Mountains pegmatite district.

The Bynoe pegmatite field is 70km in length and 15km in width. All pegmatites are believed to have been derived from the Two Sisters Granite (after Ahmad 1995), which is considered to dip to the east under the Burrell Creek Formation, below the exposed pegmatites.

The pegmatites typically occur in clusters, and six pegmatite groups are recognised within the Bynoe field: the Kings Table, Observation Hill, Walkers Creek, Labelle, Leviathan, River Annie Group. The last two groups lie within the Project Area.

The Leviathan and River Annie Group pegmatites occur within the Burrell Creek Formation. The pegmatites are irregularly distributed, concordant with the main metamorphic foliation, and interfinger in places mostly along bedding planes (Frater, 2005).
6. PREVIOUS EXPLORATION

Previous exploration has centred on the Leviathan Group pegmatites (Leviathan Mine), and the area surrounding the Annie Mine.

The Leviathan mineralisation was discovered by C. Clarke in 1886, and a mine and battery were established shortly after. By 1890, three shafts had raised 406t of ore to produce 2.03t of Sn oxide (Frater, 2005). The tin mineralisation proved to be patchy and the leases were abandoned in 1909.

Following this initial discovery, numerous mineralised pegmatites were discovered and worked in the area by Chinese and European prospectors. Mining was short lived and virtually all leases were abandoned by 1910, with few records kept of the mines location or their production.

The Leviathan area was explored by Greenex, a subsidiary of Greenbushes Ltd – later Sons of Gwalia, between 1983 and 1990. By 1987, using ground reconnaissance and aerial photographs, Greenex had rediscovered over 20 of the pegmatites that had been worked at the turn of the century.

Leases covering the Leviathan pegmatites passed to Corporate Development and in 2000, Julia Corporation Ltd (Julia) negotiated an option to explore the Leviathan ground. They carried out an RC drilling program, targeting several of the larger Leviathan pegmatites. In total, over thirty pegmatites have been discovered in the Leviathan area.

Greenex mapped the Annie area in 1984, and sampling of the Annie pegmatite showed it to be tin-rich. Outcrop was restricted to prominent quartz ridges and old workings. According to Frater (2005), one 25m section of pegmatite averaged approximately 666 g/t Ta_2O_5, the highest individual sample assaying 2360 g/t.

Further exploration work including auger drilling and trenching, and pegmatite was intersected over a strike length of 325m and a width of up to 35m. Auger drilling indicated a resource in the order of 0.098Mt at 156 g/t SnO_2. Exploration continued until 1988, when Corporate Developments acquired the Annie lease. Softwood Plantations Pty Ltd, acting for Corporate Development, mined the Annie pegmatite in the period 1995 to 1999. Eleven tonnes of tantalite and 28 tonnes of tin were produced between 1995 and 1997, and a further 69 tonnes of combined tantalum-tin concentrate was parcelled in 1997-1999.
7. CURRENT EXPLORATION – ALTURA EXPLORATION PTY LTD

Exploration during the current reporting period comprised an ongoing literature review and the broadening of this work to include the adjacent tenements EL’s 25603, 26467 and 25521. No specific field exploration was undertaken on this tenement during the year with most of the work completed on the adjacent tenement EL 24773 where a prospective quartz / pegmatite outcrop occurs at the 7 Up prospect.

The abandoned Ah Bung mine is located in the south-eastern corner of EL26467. The workings comprise shallow shafts and pit on two parallel pegmatites which crop out for a length of 50m.

In 1986 Greenex completed 190 metres of costeaining and 135 metres of auger drilling. The average grade of 10 channel samples was 113 g/t SnO₂ and 44 g/t Ta₂O₅. The overall volume and grade was considered by Greenex to be uneconomic.

Altura will undertake a review of all available historic data with particular attention to the recorded lithium assays.

8. CONCLUSIONS AND RECOMMENDATIONS

Altura’s field studies are continuing within the Finniss Range project area. With the exception of ongoing evaluation work no specific field studies were completed during the reporting period within EL 26467.

Exploration studies in the 2011-2012 reporting period will include the compilation of historical geochemical data and the reconnaissance mapping and rock chip sampling of prospective pegmatite lithologies primarily for lithium along with tantalum and tin.

9. REFERENCES

Ahmad, M., 1995, Genesis of tin and tantalum mineralisation in pegmatites from the Bynoe area, Pine Creek Geosyncline, Northern Territory. Economic Geology 42, 519-534.


APPENDIX 1 – EXPENDITURE STATEMENT