FINNISS RANGE PROJECT, NT
EL 24773
PARTIAL RELINQUISHMENT REPORT

Tenement : EL 24773
Owner : Altura Exploration Pty Ltd
Operator : Altura Exploration Pty Ltd
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Distribution : Altura Exploration Pty Ltd (1)
Department of Resources, NT (1)
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Figure 1: Finniss Range Project - Tenement Location
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1. SUMMARY

In December 2011 Altura relinquished one (1) block of EL24773. This report is the mandatory relinquishment report required for the one (1) relinquished block. During the term of the licence the only work carried out on the relinquished block comprised literature reviews and desk top studies.

2. INTRODUCTION

This surrender report covers the one (1) block that was relinquished in January 2012 by Altura Exploration, a wholly owned subsidiary of Altura Mining Limited. During the term of the licence the only work carried out on the relinquished block comprised literature reviews and desk top studies.

3. LOCATION AND ACCESS

The Finniss Range Project is located approximately 50 km south of Darwin and approximately 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 Licence lies on the Darwin 1:250,000 (SD52-4), and Bynoe (5072) 1:100,000 scale topographical and geology sheets.

4. TENEMENT STATUS

EL24773 was granted to Altura Exploration Pty Ltd on 10th January 2006 for a period of six (6) years.

The tenement is part of a project which also includes EL’S 24774, 25521, 25603, 25604, 26399, EL26467, 26469 and 26932 (Figure 1).
Figure 1: Finniss Range Project - Tenement Location Plan – EL24773
5. LOCAL GEOLOGY

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

The 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. 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 tenement package, 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 (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).
Figure 2: Finniss Range Project – Tenements and Regional Geology
6. WORK ON RELINQUISHED BLOCK

During the term of the licence the only work carried out on the relinquished block comprised literature reviews and desk top studies.

7. CONCLUSIONS

In January 2012 Altura Exploration relinquished one (1) block of EL24773. During the term of the licence the only work carried out on the relinquished block comprised literature reviews and desk top studies.

8. 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.
