Titleholder: Territory Resources Pty Ltd
Operator: Rum Jungle Resources Ltd
Tenement Manager: AMETS
Tenement: EL24468
Project Name: Mount Goyder South
Report Title: Fifth Annual Report for EL 24468, Mount Goyder South, period ended 15/12/2010
Author: Nigel Doyle and Jenna Nowland
Corporate Author: Rum Jungle Uranium Ltd
Target Commodity: Uranium, gold, base metals
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Datum/Zone: GDA94/ Zone 52
250K mapsheet: Darwin SD5204
100K mapsheet: Mary River 5272
Address: PO Box 775, Darwin NT 0801
Phone: 8942 0385
Fax: 8942 0318
Contact Email: ndoyle@rumjungleresources.com.au
SUMMARY
During the fifth year of tenure, 30 soil samples were collected on a soil grid at Mount Goyder East over magnetic and VTEM anomalies. No significant results were reported and no follow-up drilling was conducted.

Expenditure was $10 768 against a covenant of $12 500.

Figure 1. Location Map
INTRODUCTION
EL 24468 was granted to Territory Iron for six years on the 16th December 2005. The tenement covers 107 square km and was evaluated in the first two years for iron ore by Territory Resources Ltd. On the 30/5/2008 Rum Jungle Uranium Limited (RJU) signed a uranium joint venture agreement with Territory Resources over three tenements at Mary River (EL24468, 23791 and 23921) and three south of Batchelor (EL24412, 25203 and 25204) in return for shares and share options. Rum Jungle upgraded the joint venture to include all minerals excluding iron ore and manganese on the 23/12/2008 in return for giving Territory Resources a further four million shares.

The tenement is located 100km ESE of Darwin along the Arnhem Highway, east of the Mary River. It is located on the Darwin 1:250 000 Geological Map and the Mary River-Point Stuart 1:100 000 sheet.

Polymetallic mineralisation will be targeted at depth within the Koolpin Formation at the contact between graphitic and pyritic black shale and underlying carbonate-dolomite beds in proximity to intrusive granites. This skarn type setting is a regional exploration target around Mount Bundy and the Pine Creek Orogen in general for uranium, gold and base metal mineralisation.

GEOLOGICAL SETTING
EL 24468 is located in the central domain of the Proterozoic Pine Creek Orogen (PCO) in the Top End of the Northern Territory. The tenement geology primarily consists of weathered siltstones of the Palaeoproterozoic Wildman Siltstone Formation which is the basal unit of the Mount Partridge Group in the northern half of the tenement whilst the South Alligator Group occupies the southern half of the tenement. The South Alligator Group overlies the Wildman Siltstone and is composed of the iron rich Koolpin Formation, the Gerowie Tuff (1862 Ma) and the overlying Mount Bonnie Formation.

The Mount Bonnie Formation conformably grades into the overlying Burrell Creek Formation of the Finniss River Group which occupies a large area of the central domain of the PCO. To the north and west of the tenement, The Mount Bundy Igneous Suite comprising the thorium rich and magnetic Mount Goyder Syenite and the paler pink Mount Bundey Granite intruded the Wildman Siltstone and South Alligator Group sediments around 1853 Ma.

The Mount Bundey intrusion injected gold, uranium, base metal and iron bearing fluids into surrounding country rocks producing Tom’s Gully Gold Mine, the Quest gold and base metal deposits and the Mount Bundey Iron Ore mine. The Mount Goyder polymetallic skarn prospect is also located on the western flank of Mount Goyder immediately west of the tenement.

The feature of EL 24468 is folded strike ridges of the South Alligator Group south of the Arnhem Highway (Figure 2).
Figure 2. Local Geology tenement location in blue
PREVIOUS EXPLORATION

In year 1, Territory Resources explored the tenement for its iron ore potential collecting 16 rock chip samples. One RC hole (MBRC018) was also drilled to 73m intersecting minor hematite between 41 and 48m (Vivian and Lascelles, 2007).

In year 2, Territory Iron conducted geological traversing, ground scintillometer surveys and contracted Doug Barrett to assess the airborne radiometric data (Weatherly 2008).

In year 3, thirty rock chip samples were collected by Rum Jungle Uranium Ltd and a TEMPEST Survey (157 line km at 333m line spacing) was flown by Fugro Airborne Surveys. Data was not delivered before the anniversary of the tenement.

In year 4, one RC drill hole was completed for 132m and a Heli-VTEM survey flown at 200m line spacing for a total of 93.8 line km. TEMPEST data from a survey flown in the previous year was received and interpreted.

CURRENT EXPLORATION

During 2010, 30 soil geochemical samples were taken on a soil grid at 50m x 50m spacing over magnetic and VTEM anomalies on the eastern flank of Mount Goyder. Sample were sieved and collected in soil packets and sent to Amdel Laboratories for assay using Aqua Regia Digest (ARM10 method).

The geochemical results are attached in Appendix 1, however the results did not warrant follow-up drilling.

Figure 3. Soil sample locations at Mount Goyder East
PROPOSED EXPLORATION ACTIVITY YEAR 6
During the next year of tenure, exploration will focus on gold, particularly the Donkey Hill prospect in the north of the tenement that was previously targeted by Newmont.

PROPOSED EXPENDITURE YEAR 6
Research of Newmont Reports $2000
Ground inspections $2000
Soil surveys $3000
Wages $3000
Total $10,000

CONCLUSION
A soil survey conducted during the year did not produce any targets for drilling. Future work will concentrate on the Donkey Hill gold prospect.

REFERENCES

