Titleholder: Rum Jungle Uranium Ltd
Operator: Rum Jungle Uranium Ltd
Tenement Manager: Ross McColl
Tenement: EL26655
Project Name: Gecko North
Report Title: Second Annual Report for EL 26655, Gecko North, Tennant Creek NT, for the period ended 17/8/2010.
Author: Nigel Doyle
Corporate Author: Rum Jungle Uranium Ltd
Target Commodity: Uranium, gold, base metals
Date of Report: 18/9/2010
Datum/Zone: GDA94/ Zone 53
250K mapsheet: Tennant Creek SE5314
100K mapsheet: Flynn
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SUMMARY
Field work for the second year of tenure consisted of using the company’s hand-held XRF to assay rocks in the field. Five scans were taken, some with elevated arsenic. A soil sample was also taken with elevated levels of zinc.

An airborne geophysical survey was also flown by UTS Geophysics which incorporated the much larger EL27129 to the west. The survey was flown at 100m line spacing in a north-south orientation for about 29 line kilometres.

Expenditure for the first year of tenure was $10 209 against a covenant of $6500.

INTRODUCTION
EL 26655 was granted to Rum Jungle Uranium Ltd on August 18, 2008.

EL 26655 is located 30km North West of Tennant Creek and 3km North West of the Gecko Mine. It is located on the Flynn 1:100 000 map sheet and the Tennant Creek 1:250 000 map sheet. The tenement was pegged to explore for IOCGU mineralisation, vein type and unconformity type uranium mineralisation. The tenement is located on the northern edge of the Warramunga Province which hosts the Tennant Creek gold field.

EL26655 is part of Rum Jungle’s Tennant Creek Project which consists of ten granted tenements.
Figure 1 EL26655 Location map
GEOLOGICAL SETTING
EL26655 is located at the unconformity between the Warramunga Province and the Tomkinson Creek Province around 30km north of Tennant Creek. At the unconformity, the Wundirgi Formation of the Flynn Group overlies volcanics and chert of the older deformed Warramunga Formation which hosts the Tennant Creek goldfield.

The Warramunga Formation contains lithic tuffaceous, volcaniclastic and lithic sandstone, siltstone and hematitic siltstone, mudstone, slate and volcanic arenite (metagreywacke). At the Northern Star mine site there are a number of hematitic ironstone knobs, which are common occurrences around Tennant Creek in the Warramunga Formation. Chloritic schists are known to host uranium mineralisation at depth below the Northern Star open cut mine but occur at such a depth they are not mapped in Warramunga Formation anywhere as outcrop. Chlorite is mapped in alteration haloes and shear zones around a number of Tennant Creek ore bodies.

The Flynn Group of the Palaeoproterozoic Churchill’s Head Group of rocks consists of relatively undeformed and un-metamorphosed sedimentary rocks and volcanics. The basal units are the Wundirgi Formation in the west and the Monument Formation to the east. The Wundirgi Formation consists of lithic arenite, siltstone and shale while the Monument Formation consists of rhyolitic and rhyodacitic tephra, tuffaceous sandstone, siltstone, chert and shale. The Bernborough and Brumbreu Formations occur further up in the stratigraphy, consisting of similar rocks with the Warrego Volcanics (chert, tuff, white siltstone and shale and sublithic arenite) interfingering with the Bernborough Formation.

The younger Warrego Granite intrudes the Flynn Group and outcrops to the west of EL 26655, while the Tennant Creek Granite outcrops to the east.

There is minimal outcrop in EL26655 with the tenement being covered by recent sand, soil and colluvium.
PREVIOUS EXPLORATION
To the north east of EL26655, The Northern Star Mine was operated a number of times between 1934-1988 producing 24 000 ounces of gold from 101, 000 tonnes of ore at 7.3 g/t Au. Gold, copper and uranium has been intersected in drill holes (Willis, 1973) beneath the open pit which ceased operations in 1988 after a rock fall. Uranium has also been reported from the Edna Beryl Mine 4km to the east (MODAT).

To the south east of the tenement (3 km), the Gecko Mine produced 150 000 ounces of gold at 0.6 g/t and 119 000 tonnes of copper at a grade of 3.6% from 2.9 Mt of ore between 1980 and 1999. The Orlando Mine 5km to the south produced 187 000 ounces of gold at 7.9 g/t and 32 000 tonnes of copper at a grade of 3.1% from 736 000 tonnes of ore between 1962 and 1999.

During the first year of tenure approximately 30 line km of airborne geophysics were flown at 100m line spacing (N-S flight lines) at 40m flying height with a Fletcher FU24 Aircraft. Raw line data was sent to Southern Geoscience Consultants in Perth for processing.
CURRENT EXPLORATION
Fieldwork conducted on EL26655 during the second year of tenure involved using a Niton hand-held XRF in the field to scan rock chip samples. Five scans have been recorded, with scans 4 & 5 being taken over a magnetic anomaly with significant levels of arsenic. A soil sample was also taken and analysed by the XRF in the Darwin office with elevated zinc. Results can be found in Table 2 XRF assays taken in the field on EL26655 and they are also included in Appendix 1. A magnetic feature striking northwest is evident in the southern part of the tenement which corresponds to a chert or volcanic unit in the Warrego volcanic.

![Figure 3 XRF field scans and soil sample on EL26655](image)
Table 1 Sample locations and descriptions on EL26655

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>Easting</th>
<th>Northing</th>
<th>Type</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>TC109SL01</td>
<td>399410</td>
<td>7854655</td>
<td>SOIL</td>
<td>sandy creek wash, flat no o/c or scree, possibly transported cover</td>
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<tr>
<td>Field Scan 1</td>
<td>399523</td>
<td>7853295</td>
<td>SOIL</td>
<td>ironstone scan211 Mncoating on fe stn scan 212 weathereed clay fault seam</td>
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<tr>
<td>Field Scan 2</td>
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<td>SOIL</td>
<td>ironstone scan211 Mncoating on fe stn scan 212 weathereed clay fault seam</td>
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<tr>
<td>Field Scan 3</td>
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<td>7853295</td>
<td>SOIL</td>
<td>ironstone scan211 Mncoating on fe stn scan 212 weathereed clay fault seam</td>
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<tr>
<td>Field Scan 4</td>
<td>399728</td>
<td>7854148</td>
<td>SOIL</td>
<td>rd bn ferrug silt/fe stn wh qtz float gentle spinifex slope</td>
</tr>
<tr>
<td>Field Scan 5</td>
<td>399728</td>
<td>7854148</td>
<td>MINING</td>
<td>rd bn ferrug silt/fe stn wh qtz float gentle spinifex slope</td>
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</table>

Table 2 XRF assays taken in the field on EL26655

<table>
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<tr>
<th>SAMPLE</th>
<th>As_ppm</th>
<th>Cu_ppm</th>
<th>Pb_ppm</th>
<th>Zn_ppm</th>
<th>Ni_ppm</th>
<th>Mn_ppm</th>
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<td>21.4</td>
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<td>120.27</td>
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<td>1021.95</td>
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<td>19.39</td>
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<td>-1</td>
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<td>Field Scan 4</td>
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<td>-1</td>
<td>-1</td>
<td>-1</td>
<td>-1</td>
<td>1630.09</td>
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<td>Field Scan 5</td>
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<td>-1</td>
<td>-1</td>
<td>-1</td>
<td>672.65</td>
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PROPOSED EXPLORATION YEAR 3
Further geological reconnaissance is needed to determine the nature of magnetic anomalies within the tenement.

PROPOSED EXPENDITURE YEAR 3
Geological reconnaissance $3000
Wages and Salaries $3000
Vehicles and accommodation $500
Total $6500

CONCLUSION
A limited number of rock chip samples were assayed during the year but no mineralisation was found.
REFERENCES