WILKINSON RESOURCES PTY LTD

ANNUAL & FINAL REPORT

8 September 2011 – 18 July 2013

EL 28365

Titleholder: Wilkinson Resources Pty Ltd
Project Operator: Wilkinson Resources Pty Ltd
Titles/Tenements: EL28365
Tenement Manager/Agent: AMETS
Mine/Project Name: N/A
Personal author(s): Holly Sutcliffe
Company reference number: N/A
Target Commodity: Uranium
Date of report: 4 September 2013
Datum/Zone: GDA94/Zone 53
250 000 K Mapsheet: Alcoota SF 53-10
100 000 K Mapsheet: Woodgreen (5753), Utopia (5853), Alcoota (5752), Delny (5852)
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WORK SUMMARY

No on-ground investigations were carried out during the life of the title and as a consequence the licence was surrendered on 18 July 2013.
INTRODUCTION

Location and access

EL 28365 is located approximately 24km north of Alcoota and 100km east southeast of Tea Tree in the central-southern part of the Northern Territory. The tenement is approximately 190km north of Alice Springs. The Sandover Highway passes within a couple of kilometres of the most north westerly boundary of the EL and Waite River Homestead is located centrally within the tenement. Minor roads provide excellent coverage to the rest of the tenement.
Climate, Topography & Vegetation

The climate of the region is characterised by long hot summers and short mild winters. Temperatures regularly exceed 40°C in summer with rare frosts in winter. The average rainfall is about 260 mm, most of which falls between November and March in wet season storms.

The tenement lies over very flat terrain, barely varying in elevation across the whole tenement. The Sandover River flows north through the central region of the tenement. Due to the flat terrain, there is minimal creek systems within the area and the area is very prone to flash flooding.

The tenement is covered with spinifex grasslands and sparse open woodland Eucalypt species.

Tenure

EL 28365 was wholly held by Wilkinson Resources. Application for the 180 sub-blocks was granted on 8 September 2011 for a period of 6 years, however the licence was surrendered on 18 July 2013. See Figure Three below for the sub-block makeup.

The tenement is located on the Alcoota (SF 53-10) 1:250,000 map sheet and the Woodgreen (5753), Utopia (5853), Alcoota (5752), and Delny (5852) 1:100,000 map sheets.
GEOLOGY

Regional Geology

The tenement area lies within the Arunta region of the Northern Territory and area covers the Palaeoproterozoic Aileron Province (including the Strangways Metamorphic Complex) and the Neoproterozoic to Palaeozoic Irindina Province of the Arunta Region, and marginal sections of the Georgina and Ngalia basins. The Arunta Region is predominantly composed of metamorphic rocks and has been further separated into geological regions; the Aileron, Warumpi and Irindina Provinces. The Arunta Region is unconformably overlain by sediments of the Neoproterozoic to mid-Palaeozoic Ngalia, Georgina, Amadeus and Wiso Basins.

The Aileron Province predominantly consists of Palaeoproterozoic sedimentary and igneous rocks that have undergone greenschist to granulite facies metamorphism. Most of the exposed Aileron Province was metamorphosed to greenschist or lower amphibolite facies conditions during the 1740-1690 Ma Strangways Orogeny, with an apparent localised abundance of 1810-1700 Ma igneous activity and deformation in parts. The central-southern parts of the Aileron Province preserves an east-west zone of granulite facies metamorphic rocks associated with the Strangways Orogeny. Regions of the Aileron Province have also been subject to younger (1640-1500 Ma) periods of magmatism and localised metamorphism. These granites and orthogneisses are notably highlyradiogenic within the Reynolds Range, hosting numerous veins and pegmatites with anomalous uranium and thorium.

Uranium mineralisation is known in the region and is restricted (thus far) to the Proterozoic Aileron Province and Carboniferous Ngalia Basin. Uranium at Nolans Bore (Arafura Resources), to the west, occurs in phosphatic and REE-enriched metasomatitic pods and veins within the high metamorphic grade Lander Rock beds. This deposit is subject of ongoing feasibility studies. Uranium is also present in high grades at Bigrlyi (Energy Metals-Paladin JV) to the west, within carbonaceous sandstones of the Mt Eclipse Sandstone. (Rawlings, 2009).

NuPower, who also hold extensive tenements in the region suggest the hypothesis that this region presents as an analogue to the Frome Embayment region in South Australia. Just as uranium in the Flinders Ranges eroded and mobilised into sediments that today display as the Beverley and Beverley Four Mile uranium deposits, so too has uranium eroded and remobilised into the adjacent sedimentary basins. Exploration drilling and regional bore water sampling programs to date have supported this hypothesis.
Local Geology

The majority of the tenement is underlain by Paeleoproterozoic granite, whilst the remainder of the tenement is dominated by the Lander Rock Beds. The NTGS have the Lander Rock Beds aged at 1850 - 1800 Ma, meaning these are the oldest known rocks in the area. The Lander Rock Beds are predominantly composed of greywacke, siltstone, shale, schist and gneiss.

Figure Four shows the regional geology of the area and Figure Five depicts where known mineralisation occurs in proximity to the tenement boundaries.
PREVIOUS INVESTIGATIONS

The following table details the companies that have previously explored over the tenement area.

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<tr>
<th>Licence</th>
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Table 1: Summary of Prior Exploration.

Rock chip sampling and drilling has not been conducted across the lease before, that has been recorded leastways in the NTGS data packages. Locations where rock chip samples have been taken and drill collars existing outside the tenement boundaries are marked on Figure Six below. Analysis and compilation of the data available in the available reports may indicate areas that have been sampled and or drilled.
In addition to the company reports above, the NTGS flew radiometrics and magnetics over the Napperby-Hermannsberg 1:250,000 map sheets in 1997.

**WORK COMPLETED 2011 – 2013**

No on-ground investigations were undertaken during the life of the title.

During the 2011-2012 reporting period work on the lease was confined to an office environment focussing on a JV arrangement. As the company were unable to secure a JV arrangement the licence was surrendered and nil work was completed in the 2012-2013 reporting period.

**Sources**

