



**Titleholder:** Deep Yellow Ltd and Rum Jungle Uranium Limited

**Operator:** Rum Jungle Uranium Ltd

**Tenement Manager:** Ross McColl (RJU) and Gill McBain (DYL)

**Tenement:** EL25101

**Project Name:** Mordor West

**Report Title:** Second Relinquishment Report for EL 25101 Mordor West, period ended 20/11/2009

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**Target Commodity:** Uranium

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**Datum/Zone:** GDA94/ Zone 53

**250K mapsheet:** Alice Springs

**100K mapsheet:** Riddoch

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## **Appendices**

Appendix 1 XRF Assay Results

## SUMMARY

During the third year of tenure one rock chip sample was collected from the relinquished portion of the tenement. The sample contained anomalous zinc to 270 ppm (assayed by Niton hand-held XRF unit). No drilling took place.

## INTRODUCTION

EL 25101 (Mordor) is located 60km northeast of Alice Springs (Figure 1). EL25101 is centred on the Georgina Range, a dominant SW-NE trending Heavitree Quartzite ridge. EL 25101 was granted to Deep Yellow Ltd (DYL) in 2002. Rum Jungle Uranium Ltd (RJU) entered into a joint venture with DYL in 2007 and has earned a 50% share in six tenements including EL25101 by issuing DYL with shares and share options. RJU was operator of the Joint Venture for the last two years.

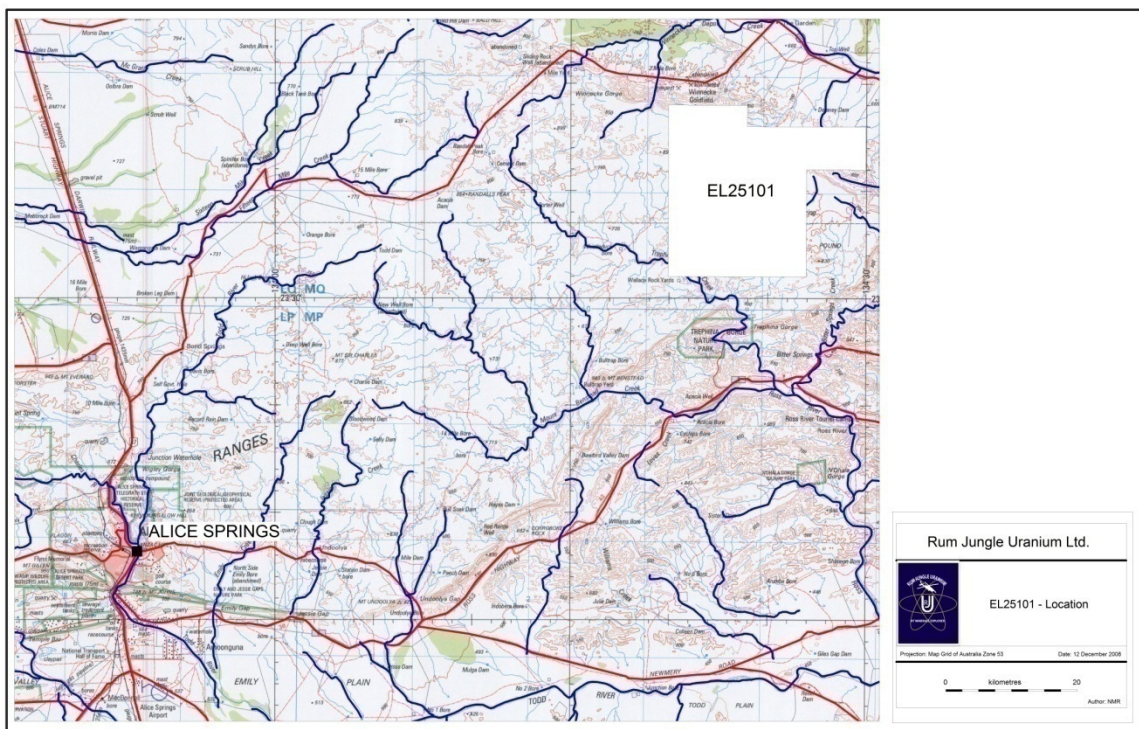


Figure 1. Location Map

## GEOLOGICAL SETTING

EL25101 lies at the southern boundary of the Arunta Block where it is unconformably overlain by lower sequences of the Amadeus Basin. The Arunta Block is a complex assemblage of Proterozoic to Palaeozoic meta-igneous and meta-sedimentary rocks (Figure 4). The region has undergone several periods of regional metamorphism and undergone intense structural deformation. Shaw (1990) has divided the block into three provinces.

- Northern and Southern Provinces consisting of low grade metamorphic rocks to amphibolites facies
- Central Province comprising high grade metamorphic rocks to granulite facies.

Further the block has been mapped into 4 major stratigraphic divisions based on facies assemblages and lithological correlation and granite intrusive.

- Division One - Felsic and mafic granulite gneiss
- Division Two - Pelitic schist, gneiss, felsic gneiss
- Division Three - Quartzite, shale, carbonate and metamorphosed equivalents.
- Granite (BMR, 1983).

EL25101 is represented by units of the Central and Southern Provinces including sections of the well documented Mordor Alkaline Igneous Complex (MAIC) in the eastern section of the tenement.

Within the tenement, rocks of the Amadeus Basin (Heavitree Quartzite and lower Bitter Springs Formation) unconformably overlie the Arunta Block. Both the basement rocks and lower Amadeus Basin sequences were deformed during the Alice Springs Orogeny. Consequently, the beds of the Amadeus basin are folded into the Arunta Block creating the Winneke Nappe Complex to the immediate north of the EL and an interesting juxtaposition of various lithologies in the north west portion of EL25101.

Dominant topographic features include the Georgina Range, a SW – NE trending ridge of Heavitree Quartzite that separates the Mordor Pound and MAIC from the north-western areas of the tenement. Minor occurrences of Cainozoic schist can be found in the north-western and north-eastern parts of EL25101.

## **WORK CONDUCTED IN RELINQUISHED AREA**

Only one rock chip sample was taken in the relinquished portion of the tenement. The sample (3832) contained anomalous zinc to 270 ppm but not much else. The sample was crushed and analysed with a hand held Niton XLT3 hand held XRF analyser. Details are included in Appendix 1.

## **SACRED SITE SURVEY**

DYL requested a sacred site report for EL25101 from the Aboriginal Areas Protection Authority. An authority certificate has been issued identifying one Restricted Works Area relating to Sacred Site 5758-28. The authority certificate for EL25101 was applied for in May 2007 and was issued on the 19 September 2008.

The relinquished area contains the identified sacred site.

## AREAS TO BE RELINQUISHED

Of the remaining 30 blocks comprising EL25101, 15 were relinquished (pink) as shown (Figure 22) with block details given in Table 1

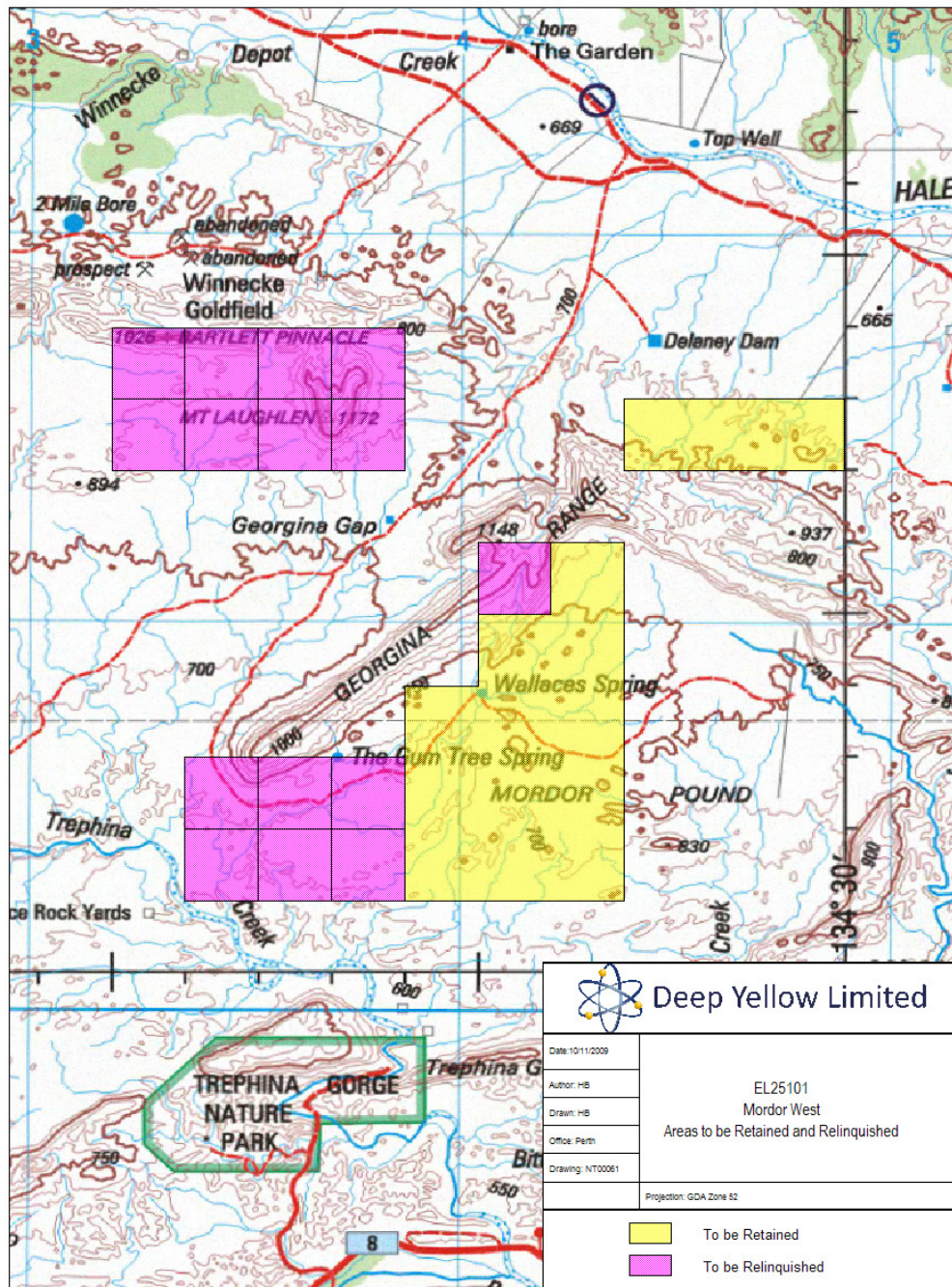


Figure 22. Shaded area in pink relinquished

**Table 1 Details of Blocks to be dropped**

GRID_ID	BIM	BLOCK	SUB_BLOCK
SF532909F	SF53	2909	F
SF532909G	SF53	2909	G
SF532909H	SF53	2909	H
SF532909J	SF53	2909	J
SF532909L	SF53	2909	L
SF532909M	SF53	2909	M
SF532909N	SF53	2909	N
SF532909O	SF53	2909	O
SF532910V	SF53	2910	V
SF532981M	SF53	2981	M
SF532981N	SF53	2981	N
SF532981O	SF53	2981	O
SF532981R	SF53	2981	R
SF532981S	SF53	2981	S
SF532981T	SF53	2981	T

## CONCLUSION

Only one rock chip sample was collected from the relinquished portion of EL25101.