



ACN: 127 411 796

## Rum Jungle Exploration Update

**ANNOUNCEMENT**

**30 March 2010**

### HIGHLIGHTS

- Drilling programme at Frazers suspended due to wet weather and an approaching cyclone and will recommence as soon as ground conditions allow.
- Twenty four holes of the 70 hole programme completed and assay results pending.

The orientation programme which commenced on the 9th of March 2010 has been suspended due to recent heavy rain, very wet ground conditions and the approaching cyclone Paul.

To date, 24 of the 70 holes planned for the orientation programme have been completed.

A number of holes intersected sulphides, mainly within graphitic shales of the Whites formation.

Hole 24, situated at Frazers near the eastern end of a costean dug by the Bureau of Mineral Resources (BMR) in 1952, was drilled to 60 metres. The last 15 metres were in black, graphitic, sulphide-rich shale, host rock for most of the Rum Jungle mines. The hole was abandoned at 60 metres due to poor ground conditions. PVC casing was run and capped for later magnetic and scintillometric probe testing.

All holes have been sampled and submitted to the laboratory for geochemical analysis. Assay results are pending.

Drilling will re-commence on the remaining 46 holes as soon as ground conditions allow.

R Wolanski  
**DIRECTOR**

*The information in this report that relates to exploration results is based on information compiled by Mr KA Rogers (Member of the Australian Institute of Geoscientists), Chief Geologist for NT Resources Limited. Mr Rogers has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being reported on to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting of Mineral Resources and Ore Reserves. Mr Rogers consents to the inclusion in the report of the matters in the form and context in which it appears.*



ACN: 127 411 796

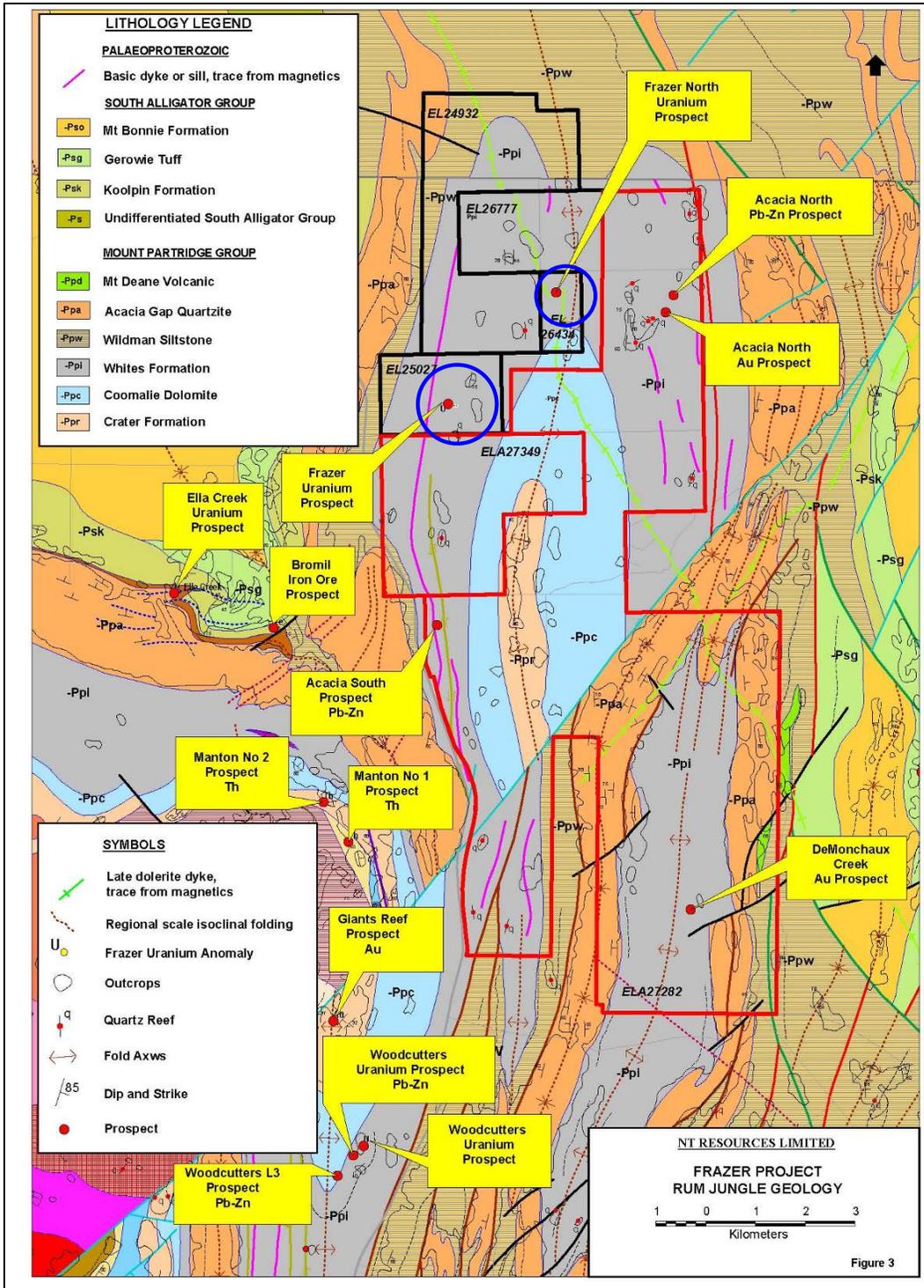


Figure 1: Frazer's Project geology with uranium and base metal prospects showing the location of the Frazer's Uranium Prospect where the drill programme is being undertaken.



ACN: 127 411 796

**For Further information please contact**

**NT Resources Limited  
Level 22 Allendale Square  
77 St Georges Terrace  
Perth WA 6000**

**Telephone: +61 8 9221 8055**

**Fax: +61 8 9221 7866**

**Anthony Barton – Non Executive Chairman  
Richard Wolanski – Executive Director**

Background

NT Resources Limited (“NTR”) is a mining and exploration company whose prime focus is the definition and development of its uranium, base metal and gold prospects in the Northern Territory (Figure 3).

The Acacia tenements cover a significant portion of the under explored northern part of the Rum Jungle Mineral Field in the Pine Creek Orogen (Figure 4). There are a number of untested uranium, base metal and gold targets and the area is prospective for new discoveries. The Rum Jungle Mineral Field was a significant producer of uranium in unconformity-type and vein-style high grade deposits in the 1950’s and 1960’s (Table 1).

**Table 1: Uranium Deposits in the Rum Jungle Mineral Field**

| <b>Deposit Name</b>    | <b>Ore tonnes</b> | <b>Grade U<sub>3</sub>O<sub>8</sub> %</b> | <b>U<sub>3</sub>O<sub>8</sub> tonnes</b> |
|------------------------|-------------------|---|--|
| Whites                 | 396,000           | 0.27                                      | 1,069.2                                  |
| Dysons                 | 157,000           | 0.34                                      | 533.8                                    |
| Rum Jungle Creek South | 663,500           | 0.43                                      | 2,853.0                                  |

Source: Independent Geological Report, Table 2, NT Resources Limited Prospectus 2009

The Ooratippra tenements cover a very large coincident gravity and magnetic anomaly that has never been drilled for Olympic Dam style copper-gold-uranium mineralisation in the Proterozoic basement below a cover sequence of sediments within the Georgina Basin. These sediments have recorded lead, zinc and silver mineralisation at surface within the tenements, suggestive of MVT (“Mississippi Valley Type”) base metal mineralisation, and are also prospective for phosphates and kimberlitic indicator minerals.

At Acacia, NT Resources Limited has a 100% interest in four granted Exploration Licences (EL24932, 25027, 26434 and 26777) and four Exploration Licence applications (ELA27282, 27349, 27746 and 27747) covering 490 km<sup>2</sup> located about 60 km south of Darwin. The Ooratippra tenements are located 300km south east of Tennant Creek, and consist of four granted Exploration Licences (EL22488, 24822, 25019 and 26866), nine Exploration Licence applications (ELA27568, 27626, 27714 to 27720) and a Special Exploration Licence application (SELA27526), together totalling 2,500km<sup>2</sup>.



ACN: 127 411 796

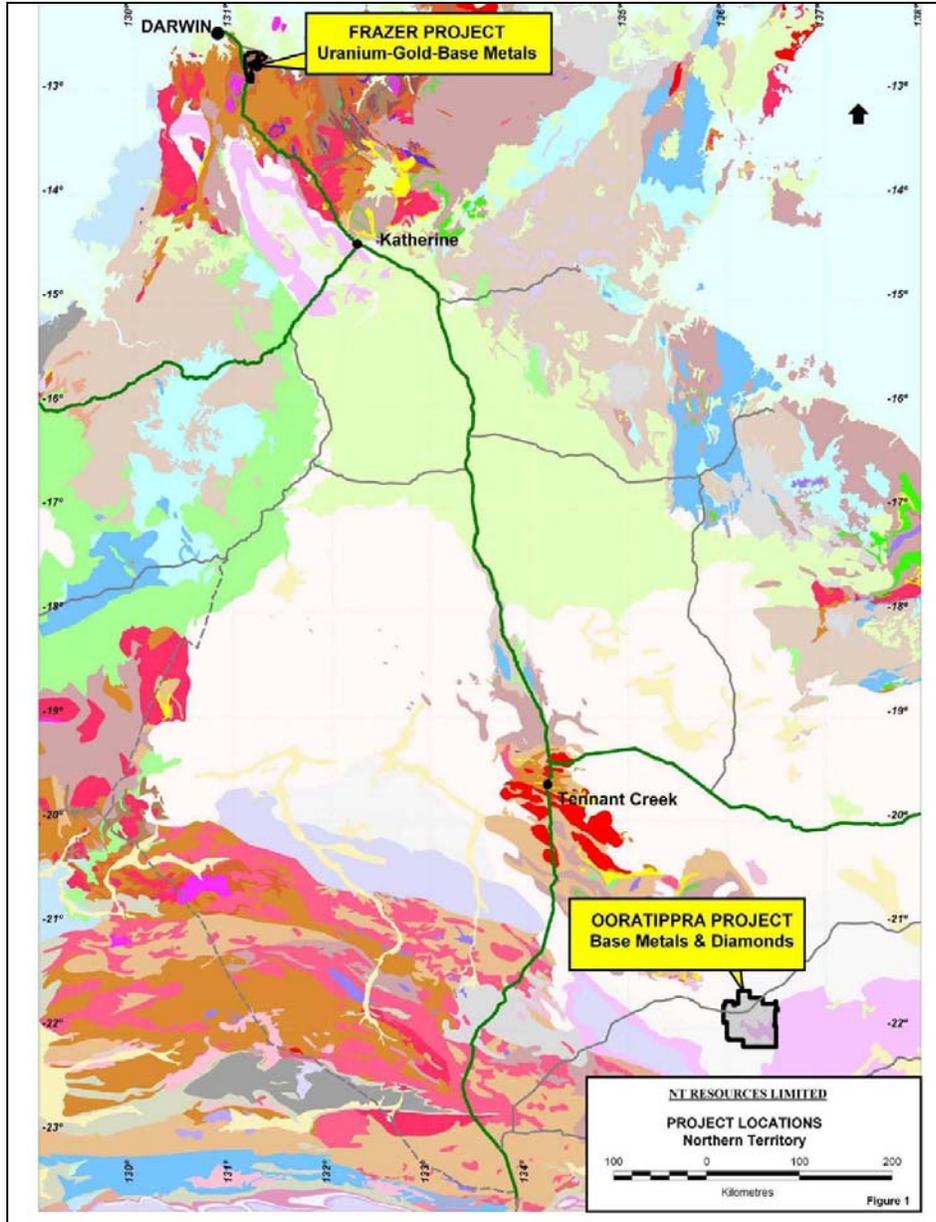


Figure 2: Location of NT Resources Limited project areas in the Northern Territory.