



ACN: 127 411 796

NT RESOURCES LIMITED

QUARTERLY ACTIVITIES REPORT

FOR THE PERIOD ENDED 30 JUNE 2010

ASX CODE: NTR



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Activities Report

Background

NT Resources Limited (“NT Resources” or “the Company”) holds six granted Exploration Licences and two Exploration Licence applications (ELA27349 and 27747) in the Pine Creek Geosyncline region (Frazer Project) and nine granted Exploration Licences (EL27568, 27626, and 27714 to 27720), and Substitute Exploration Licence SEL 27526 in the Georgina-Atjavarra region (Ooratippra Project) of the Northern Territory (“Tenements”) covering a combined area of approximately 2,800 square kilometres.

The Frazer project south of Darwin is prospective for uranium, gold and base metals based on historical exploration reports and exploration carried out by the Company.

The Ooratippra project northeast of Alice Springs has geophysical anomalies of a similar order to those at Prominent Hill and Olympic Dam and is prospective for uranium, gold, base metals and diamonds.

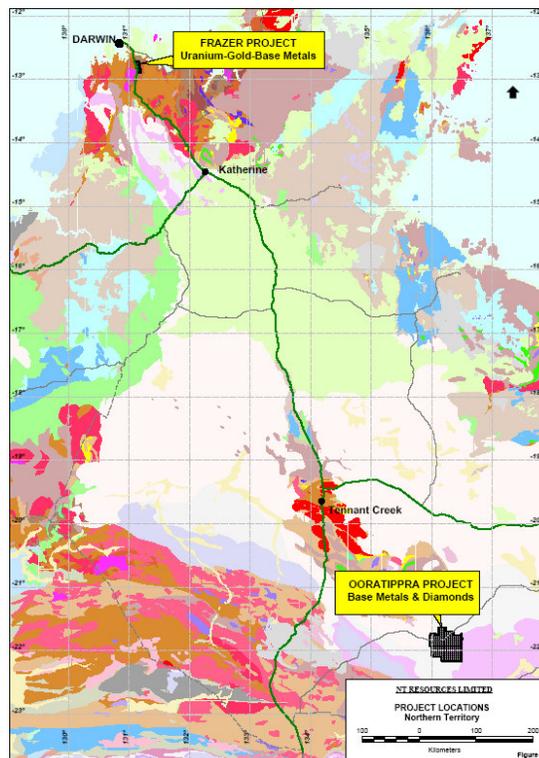


Figure 1: Location of NT Resources Limited project areas in the Northern Territory.



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Activities Highlights

- Drilling programme completed this week for Frazer North gold/uranium prospect;
- Drilling to recommence on Frazer Uranium Prospect on 5 August (1 week to completion);
- Commencement sampling and mapping programme on DeMonchaux Creek gold prospect;
- Assays pending on Frazer, Frazer North and DeMonchaux Creek;
- Completion of fixed wing aerial geophysical survey covering 3,101 line kilometres of the Frazer prospect on 17 July 2010;
- Pending commencement of a 2,485 station, 1,000 metre grid ground based gravity programme on the Ooratippra Project is expected by 14 August 2010;
- NT Government grant of \$99,089 for ground based gravity programme of Ooratippra Prospect.

Activities

The Company is pleased to advise of the on-going exploration programmes on its Acacia/Frazer project approximately 60 kilometres south of Darwin, and Ooratippra Project northeast of Alice Springs (Figure 1 and Figure 4).

Frazer uranium Prospect

The Frazer Prospect hosts a first order airborne uranium anomaly with nearby anomalous copper, nickel, cobalt gossan and soil anomalies and an airborne electromagnetic (AEM) conductor identified by Geoscience Australia. NTR believes and drilling to date supports, the interpretation that the AEM conductor is associated with the Whites Formation, a graphitic shale, host rock to most of the early Rum Jungle mines.

The Frazer orientation drilling programme, commenced in early March 2010. Seventy two (72) Rotary Air Blast ("RAB") holes were drilled and sampled within Exploration Licence EL25027 (Figure 2). The holes were vertical, 50 metres apart and drilled through the soil cover and weathered zone to identifiable rock, along two lines approximately 500 metres apart (Figure 2). A diamond core sample was taken from the bottom of each hole.

Assay results and interpretation are pending.

Frazer North uranium, copper, nickel, cobalt, platinum Prospect

A Rotary Air Blast ("RAB") geological orientation drilling programme of 103 holes was planned to test the Frazer North uranium and base metal anomalies within Exploration Licences EL26434 and EL24932 (Figure 3). To date, 45 holes have been drilled and sampled in EL26434 through the soil cover and weathered zone to identifiable rock. There remain 58 of the planned holes to be drilled on EL24932. Assay results will be released on completion of the drilling programme and related geochemical analysis.

DeMonchaux Creek gold Prospect

A preliminary sampling and mapping programme has been carried out on the highly prospective DeMonchaux Creek gold prospect (Figure 4) southeast of the Frazer uranium prospect. Geochemical analysis and petrological observations are pending.



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Airborne Geophysical Survey

In early July 2010, the Company flew a fixed wing low level closely spaced aerial geophysical survey of 3,101 line kilometres covering the Acacia tenements, including the Frazer and Frazer North uranium prospects and the DeMonchoux Creek and Acacia North gold prospects (Figure 4).

The results are currently being interpreted, and are expected to provide detailed high quality magnetic and radiometric data which will assist in identifying exploration targets. Results of the survey are expected in mid August 2010.

Ooratippra

The Ooratippra Project hosts a gravity and co-incident magnetic anomaly which is one of the largest untested gravity anomalies in Australia with dimensions in the order of 35 kilometres by 15 kilometres.

Early gravity surveys over the anomaly used station spacings too wide to enable accurate depth estimations to the top of the causative body to be made.

Consequently, the Company is to carry out a 2,485 station, 1000 metre spaced helicopter borne ground based gravity survey scheduled to commence in the first two weeks of August 2010. This survey will better constrain the regional gravity anomaly, and facilitate the modelling of the depth to basement, enhance basin and basement structures, and outline the residual gravity anomaly for a targeted diamond core drilling programme planned to drill to basement below the Georgina Basin sediments. The target is Iron Oxide Copper Gold (IOCG)-style mineralisation.

FOR FURTHER INFORMATION:

Richard Wolanski – Executive Director

Anthony Barton – Non Executive Chairman

Competent Persons Statement

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.



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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 1).

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 2). 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

Deposit Name	Ore tonnes	Grade U ₃ O ₈ %	U ₃ O ₈ tonnes
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 (Figure 3) 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 six granted Exploration Licences (EL24932, 25027, 26434, 27282, 27746 and 26777) and two Exploration Licence applications (ELA27349 and 27747) covering 490 km² located about 60 km south of Darwin. The Ooratippra tenements are located 300km south east of Tennant Creek, and consist of nine granted Exploration Licences (EL27568, 27626, and 27714 to 27720), and a Substitute Exploration Licence (SEL27526), together totalling 2,400km².



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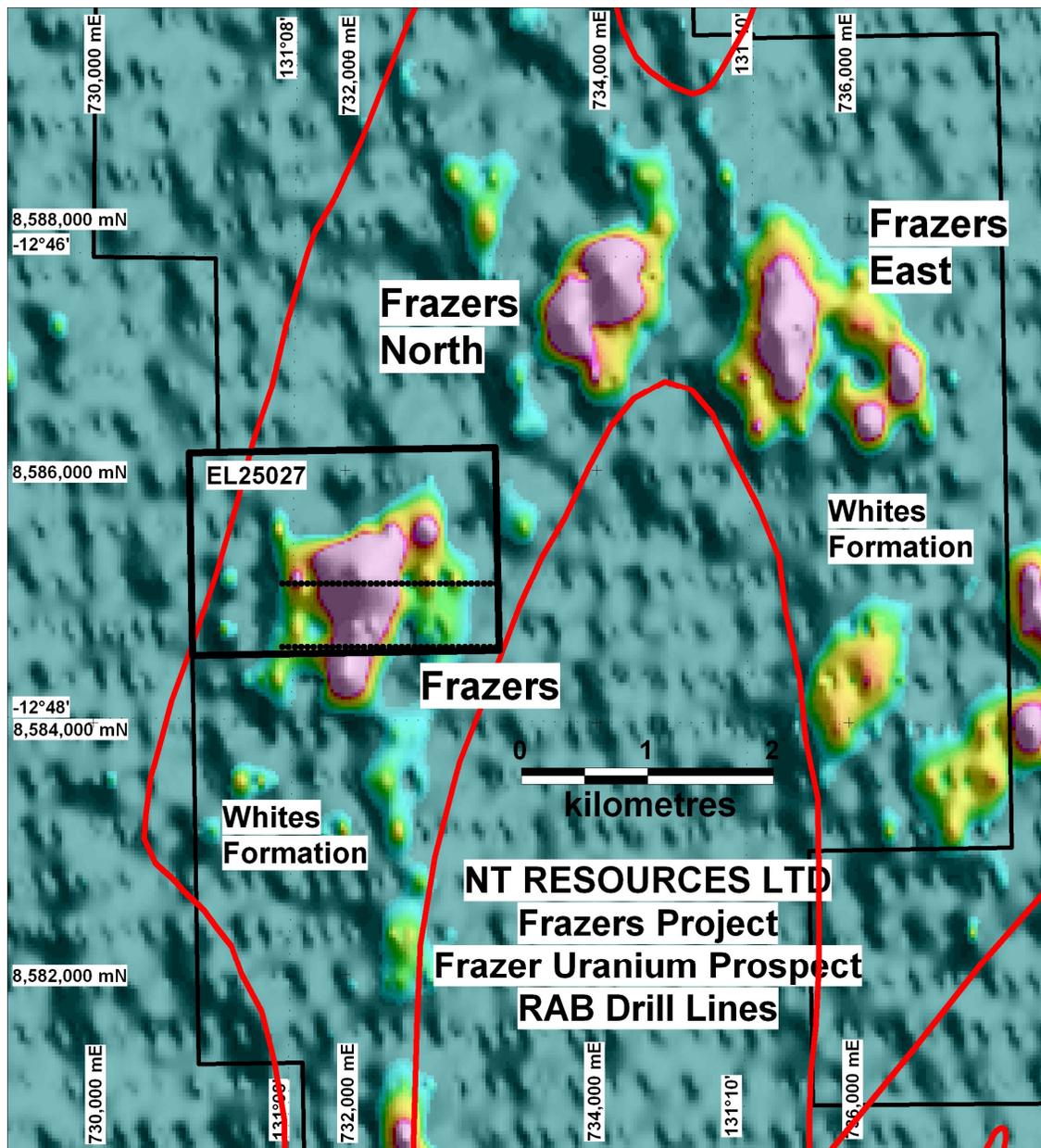


Figure 2: Drill holes (black dots) across the Frazers uranium anomaly shown on an airborne radiometric image within the Whites Formation (red outlines). Uranium image colour coded for counts per second (cps).



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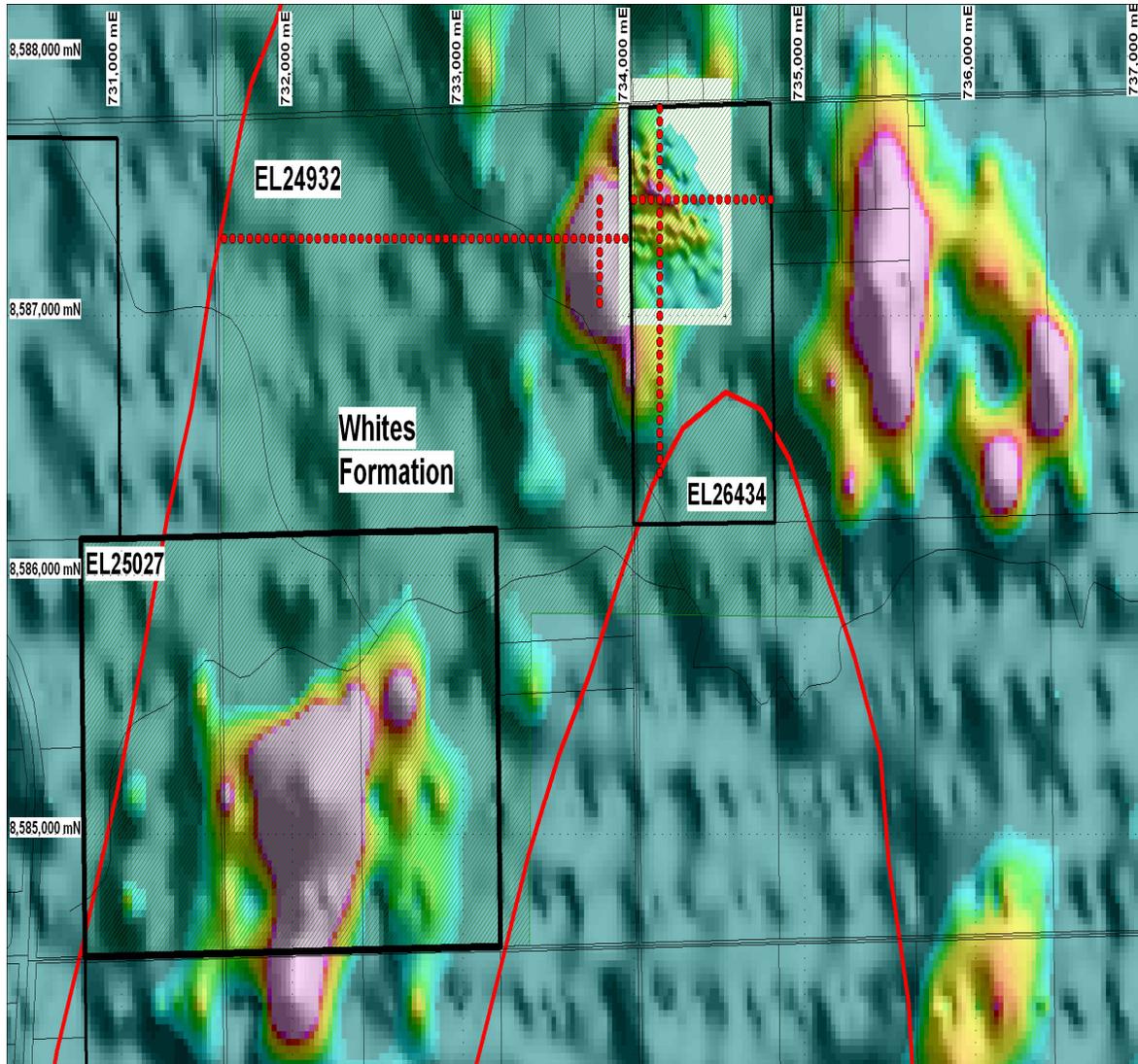


Figure 3: Frazers North Drill Hole Locations

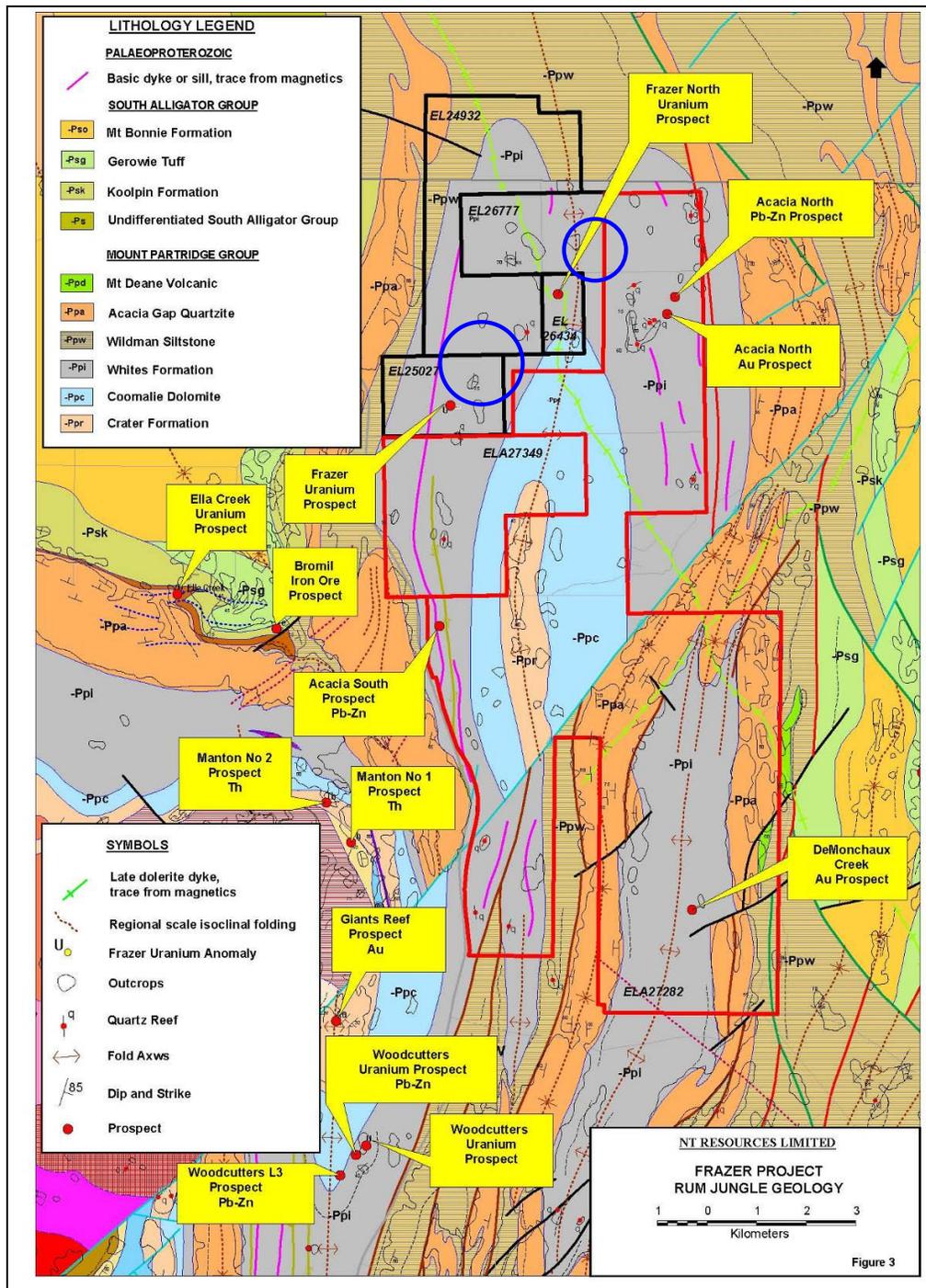


Figure 4: Frazer's Project geology with uranium and base metal prospects and those immediately targeted (blue circles) for drilling on the granted EL's (black outlines). ELA's in red outline have been granted since production of this map.