



ACN: 127 411 796

Geophysical Programmes Commence on Frazer & Ooratippra Tenements

ANNOUNCEMENT

21 July 2010

HIGHLIGHTS

- Commencement of fixed wing aerial geophysical survey covering 3,101 line kilometres of the Frazer prospect on 17 July 2010;
- Completion of a 2,485 station, 1,000 metre grid ground based gravity programme on the Ooratippra Project is expected by 14 August 2010.

NT Resources Ltd (ASX: NTR) is pleased to announce the commencement of aerial geophysical programmes on the two key project areas of the Frazer and Ooratippra tenements (Figure 1).

Frazer

The Frazer area (Figure 2) contains, in addition to the First Order Frazer uranium anomaly and gold prospectivity, a strong electrical conductor identified by Geoscience Australia during Airborne Electro Magnetic (AEM) survey and interpreted by the Company's consulting geophysicist. Recent drilling by the Company has shown that the AEM conductor is mainly associated with a geological unit known as Whites Formation, a graphitic shale which was the host rock to most of the early mines in Rum Jungle Mineral Field, of which the Frazer Prospect is a part (Table 1).

On Saturday 17 July 2010, the Company commenced a fixed wing aerial geophysical survey of 3,101 line kilometres covering the Frazer tenements.

The programme will provide magnetic, radiometric and digital elevation data within weeks of completion. Completion of the aerial programme is expected to be 21 July 2010.

Ooratippra

The Ooratippra Project contains one of the largest untested gravity anomalies in Australia. (Figure 3)

The Ooratippra Project covers approximately 2,500 square kilometres straddling the Sandover Highway approximately 300 kilometres northeast of Alice Springs. NT Resources Limited recognises the similarities between the Ooratippra regional co-incident magnetic and gravity anomalies and the Olympic Dam style iron oxide copper gold ("IOCG") deposit geophysical signature.

A 2,485 station, 1000 metre spaced grid helicopter borne ground based gravity survey is scheduled for the first two weeks of August 2010. This survey will better constrain the regional gravity anomaly, and facilitate modelling 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 for IOCG-style mineralisation.

NTR has received funding for this programme under the Northern Territory Government's "Bring Forward Discovery" collaborative funding programme. The co-funded government-industry programme is designed to support the geophysical or drilling exploration of greenfields projects which have the potential for new discoveries.



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The grant funding represents 50% of the direct costs of the Ooratippra gravity survey. The Company will provide details of the results of the gravity survey upon completion of the programme and interpretation of the results.

Richard Wolanski
Director

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.

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 Special Exploration Licence (SEL27526), together totalling 2,500km².



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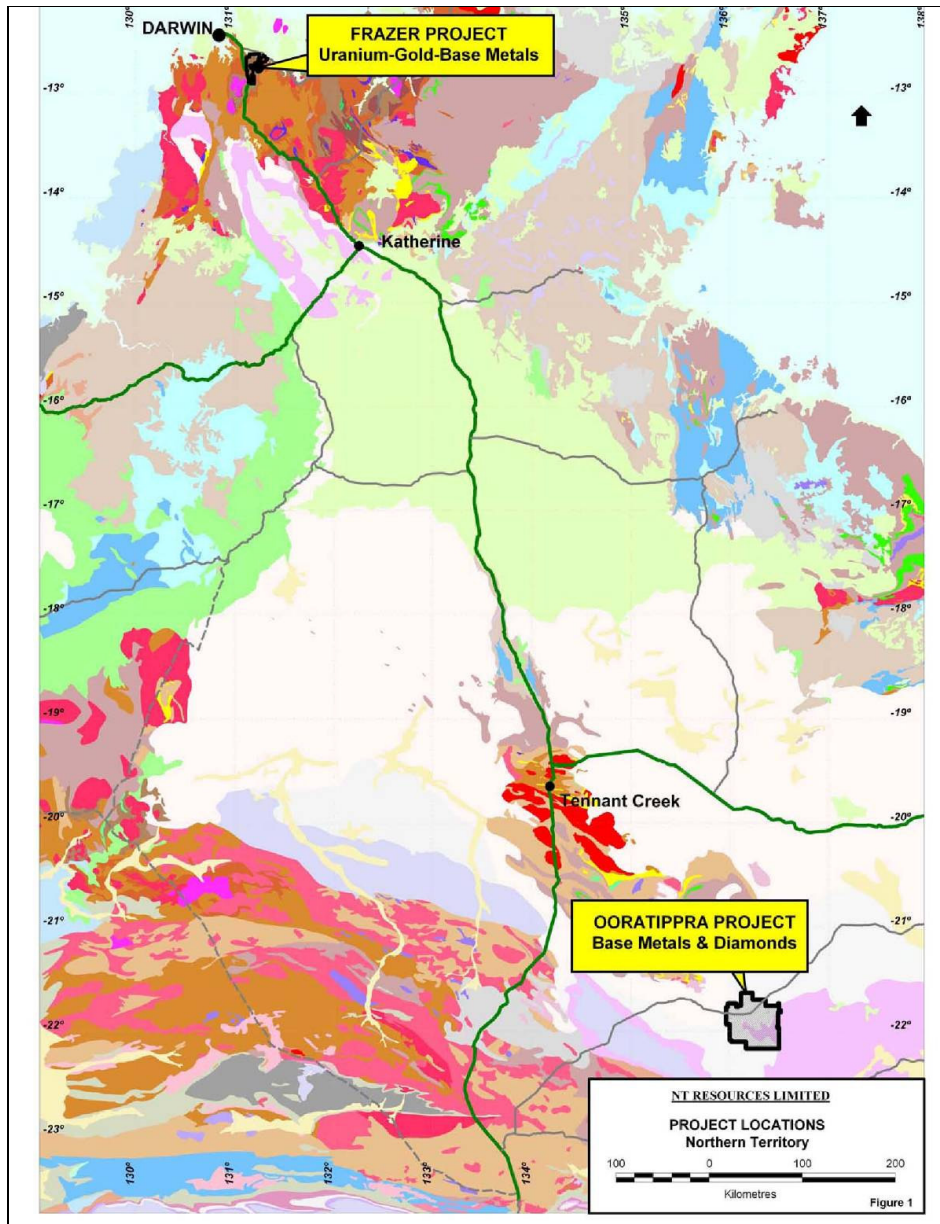


Figure 1: Location of NT Resources Limited project areas in the Northern Territory.



ACN: 127 411 796

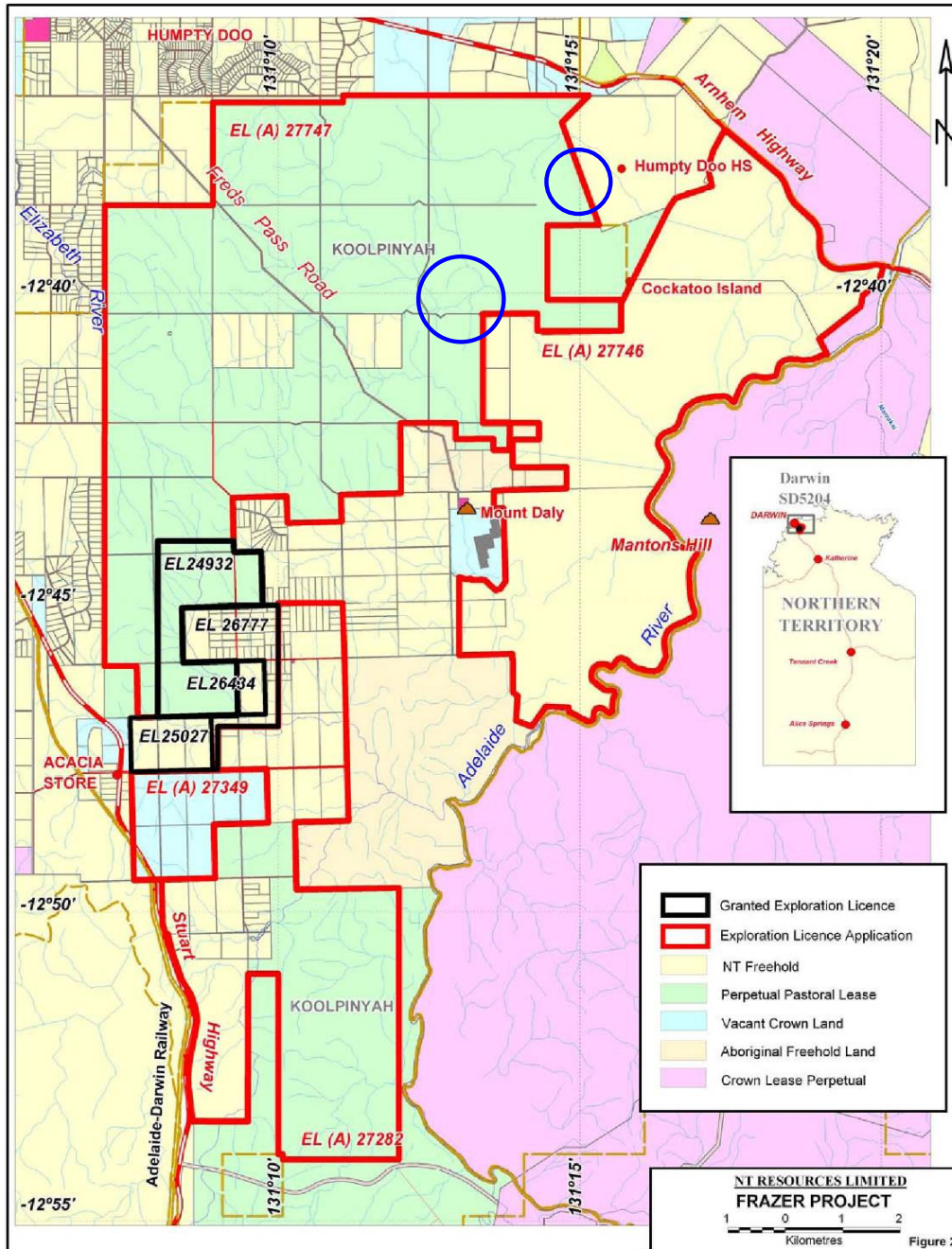


Figure 2: Frazer Project location map for drilling on the granted EL's (black outlines).



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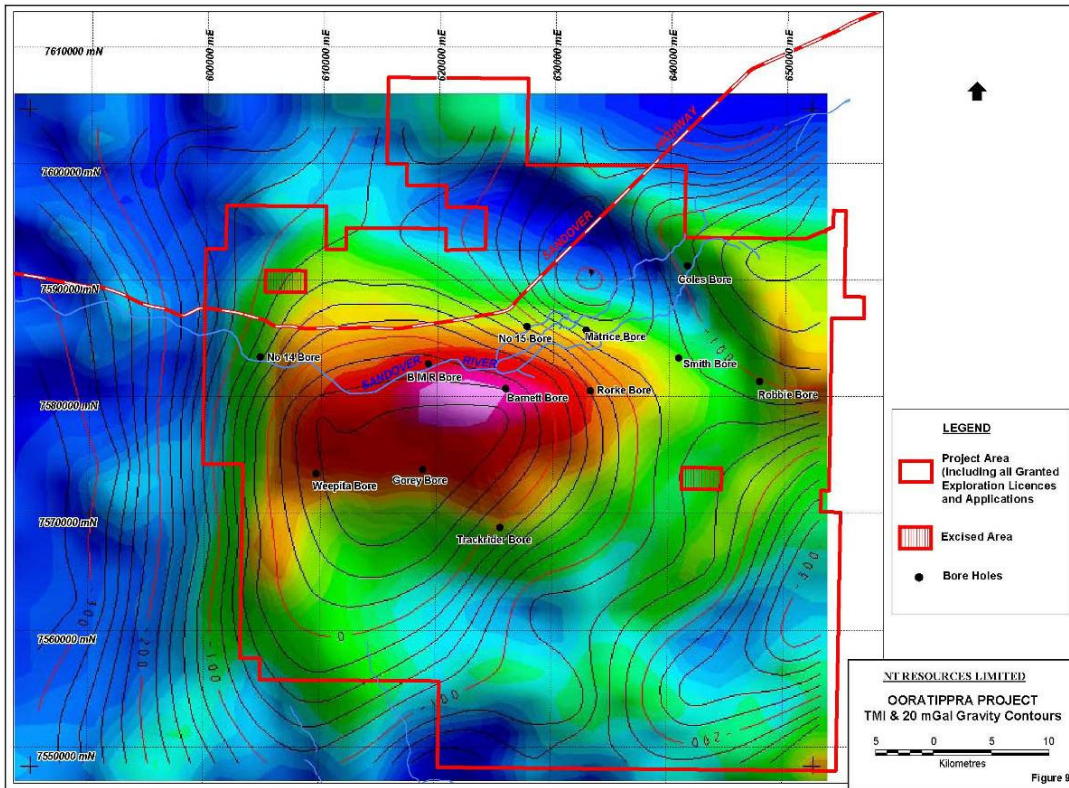


Figure 3: Ooratippra regional TMI map with current gravity contours