



ACN: 127 411 796

Ooratippra Gravity Survey

ANNOUNCEMENT

9 September 2010

HIGHLIGHTS

- Gravity Survey to planned to commence 15 September 2010;
- Programme funded 50% through state government "Bring Forward Discovery" (BFD) Grant.

NT Resources Ltd (ASX: NTR) is pleased to announce the pending commencement of the gravity survey exploration programme on the Ooratippra tenements (Figure 1) approximately 300 kilometres south east of Tennant Creek.

Ooratippra Iron Oxide Copper Gold (IOCG) Project

The Ooratippra Project was originally applied for to cover a major regional magnetic anomaly coinciding with a regional gravity anomaly within basement rocks of the concealed Altjwarra Craton in the southern Georgina Basin.

Historical gravity data over the Ooratippra magnetic high and coincident gravity anomaly suggests that the project has good prospects to host a typical Iron Oxide Copper Gold deposit.

It is also one of the largest untested gravity anomalies in Australia with dimensions in the order of 15 kilometres across with gravity amplitude of 120 mGal. The regional gravity anomaly, which is associated with the Olympic Dam deposit is 8km across with gravity amplitude of 12 mGal.

Early regional gravity surveys over the anomaly, used broad station spacings, which are too wide to enable the calculation of accurate depth estimations to the top of the body or bodies which give rise to this response. To remedy this, the Company is about to carry out an extensive gravity survey scheduled to commence 15 September 2010.

The survey is being co-funded by the Northern Territory Government through its "Bring Forward Discovery (BFD)" collaborative funding grant programme. This co-funded government-industry initiative is designed by the Government to encourage exploration by companies holding tenements in under-explored areas with the potential for new discoveries.

The gravity survey will better define the regional gravity anomaly, enhance basin and basement structures, and outline any residual gravity anomalies, whose sources, if shallow enough, will be tested with a diamond core drilling programme planned to drill to basement targets below the Georgina Basin sediments. This drilling is planned for the 2010 calendar year, following compilation and interpretation of the gravity data.

Richard Wolanski
Director



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



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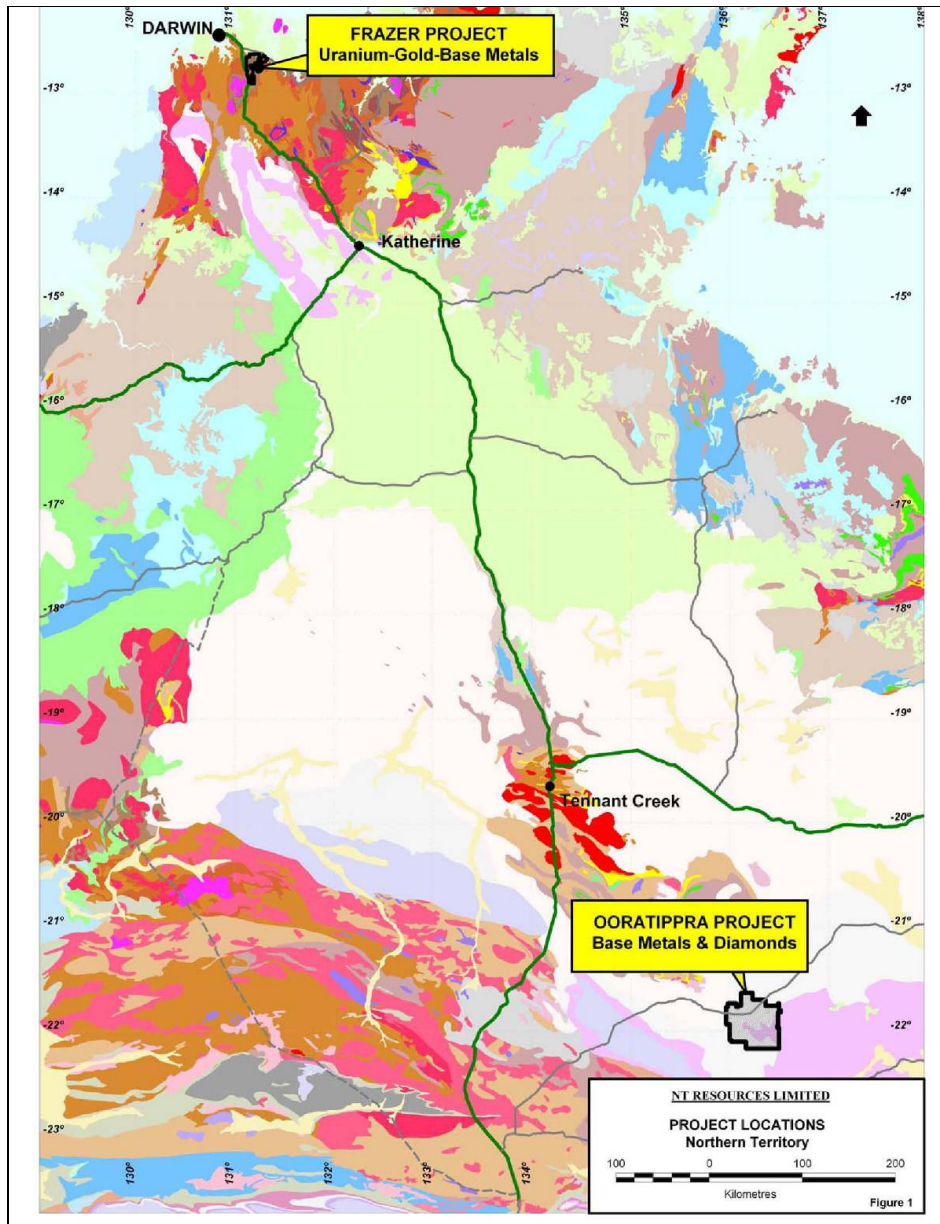


Figure 1: Location of NT Resources Limited project areas in the Northern Territory.