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2 September 2008

By Electronic Lodgement

Company Announcement Office
Australian Stock Exchange Limited
2 The Esplanade
PERTH WA 6000

RE: TODAY'S ANNOUNCEMENT "EXPLORATION UPDATE"

The ASX Release accompanying this letter supercedes the earlier release of today's date which has an incorrect Figure 1.

Yours faithfully

A handwritten signature in blue ink, appearing to read "R Webb", is positioned above the printed name of the signatory.

Richard Webb
Company Secretary



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ASX RELEASE

EXPLORATION UPDATE

NEW NT TENEMENT APPLICATION FOR PHOSPHATE

Northern Uranium Limited (ASX: NTU) is moving to expand its phosphate interests in the Northern Territory with an application for a new exploration licence over an area of 600km² near Alice Springs, and the commencement of phosphate exploration activity on its Kurundi Project.

The new tenement application, situated approximately 60km east of Alice Springs (Figure 1), covers potentially phosphatic sedimentary strata of the Amadeus Basin. Previous exploration in an area now covered by an adjacent tenement is reported to include records of drilling with intersections of up to 6m at 22.8% P₂O₅.

Northern Uranium has also commenced the on-ground investigation of phosphate potential at its Kurundi project, following the signing of a farm-in and joint venture Heads of Agreement with tenement holder Washington Resources Ltd (ASX: WRL) in June.

The northeastern part of the Kurundi tenement package lies within the Georgina Sedimentary Basin which hosts some major phosphate deposits, including Duchess and D Tree in Queensland and Alexandria, Alroy, Highland Plains and Wonarah in the Northern Territory.

As previously announced, the Company has applied for 2,900km² of new exploration licences only 50km from the Wonarah deposit and covering the same favourable sedimentary strata (Figure 2). Exploration is expected to commence on these tenements in the December quarter, once they are granted.

On the granted Kurundi tenements, recent geological reconnaissance and a review of available airborne radiometric data have already indicated priority sites to sample for rock phosphate.

Northern Uranium Executive Chairman Mr Kevin Schultz said the Company was placing greater emphasis on the Northern Territory, where it had developed a strategic interest in phosphate to complement its uranium prospects.

"The Amadeus Basin is known to be highly prospective for uranium, with the Angela and Pamela deposits slated for development; but it also holds promise for phosphate deposits," Mr Schultz said.

"The new Northern Uranium application is only 60km from Alice Springs and is easily accessible by road and rail. Proximity to infrastructure, especially rail transport, is an important factor in the viability of bulk commodities such as rock phosphate," he said.

Amadeus Basin Phosphate Project

The 600km² exploration licence application lies on the northern margin of the Amadeus Basin covering stratigraphy favourable for hosting phosphate and uranium mineralization. The tenement is located only 60km east of existing infrastructure at Alice Springs, including the Darwin-Adelaide rail-line.

The favourable phosphate stratigraphy is identified as the Cambrian Todd River Dolomite which has been recorded to contain significant phosphatic occurrences, including historical drilling with a reported intersection of 6m @ 22.8% P₂O₅. More than 30km strike length of this stratigraphy exists within the area of the new tenement application, with several uranium channel radiometric anomalies providing initial targets. Uranium channel radiometric anomalies are commonly associated with phosphate rock occurrences. Pending the granting of the tenement, a full data compilation and review will be undertaken.

About Northern Uranium

Northern Uranium Limited is primarily a uranium exploration and development company and holds large and prospective projects in Western Australia (WA) and the Northern Territory (NT).

The current priority is the Gardiner-Tanami uranium project where drilling is expected to commence later this month. Political developments in WA are likely to influence the direction of this project, with the future emphasis likely to be the 5,000 km² of tenements on the NT side of the border.

The Company's long term strategy is to develop high grade uranium projects, through targeted exploration across its current tenement base, and acquisition of complementary uranium prospects, both within Australia and offshore.

Northern Uranium has a strategic alliance with the major French nuclear group, Areva NC, via its wholly owned subsidiaries, Areva NC Australia Pty Ltd (Areva) and Afmeco Mining and Exploration Pty Ltd (Afmex). Afmex is the operator of uranium exploration and development of the Gardiner-Tanami Super Project.

Areva will also market any uranium produced by Northern Uranium, and has a substantial shareholding in Company.

For and on behalf of
NORTHERN URANIUM LIMITED



Kevin Schultz
Executive Chairman

Competent Person Declaration

The information in this report accurately reflects information prepared by competent persons (as defined by the Australasian Code for Reporting of Mineral Resources and Ore Reserves). It is compiled by Mr K Schultz, an employee of the Company who is a Fellow of The Australasian Institute of Mining and Metallurgy with the requisite experience in the field of activity in which he is reporting. Mr Schultz has sufficient experience which is relevant to the style of mineralisation and the type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Schultz consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

INVESTOR INFORMATION

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Capital Structure:

Share Price (NTU): 24c

Issued Shares: 50.6m

Market Cap: \$12.1m

Company Management:

Kevin Schultz – Executive Chairman

Adrian Griffin - Non executive Director

Bob Hair - Non executive Director

Colin McCavana - Non executive Director

Philippe Portella - Non executive Director

Robin Wilson – General Manager

Richard Webb – CFO & Company Secretary

Figure 1

Amadeus Basin Phosphate Project – Geology and Target horizon

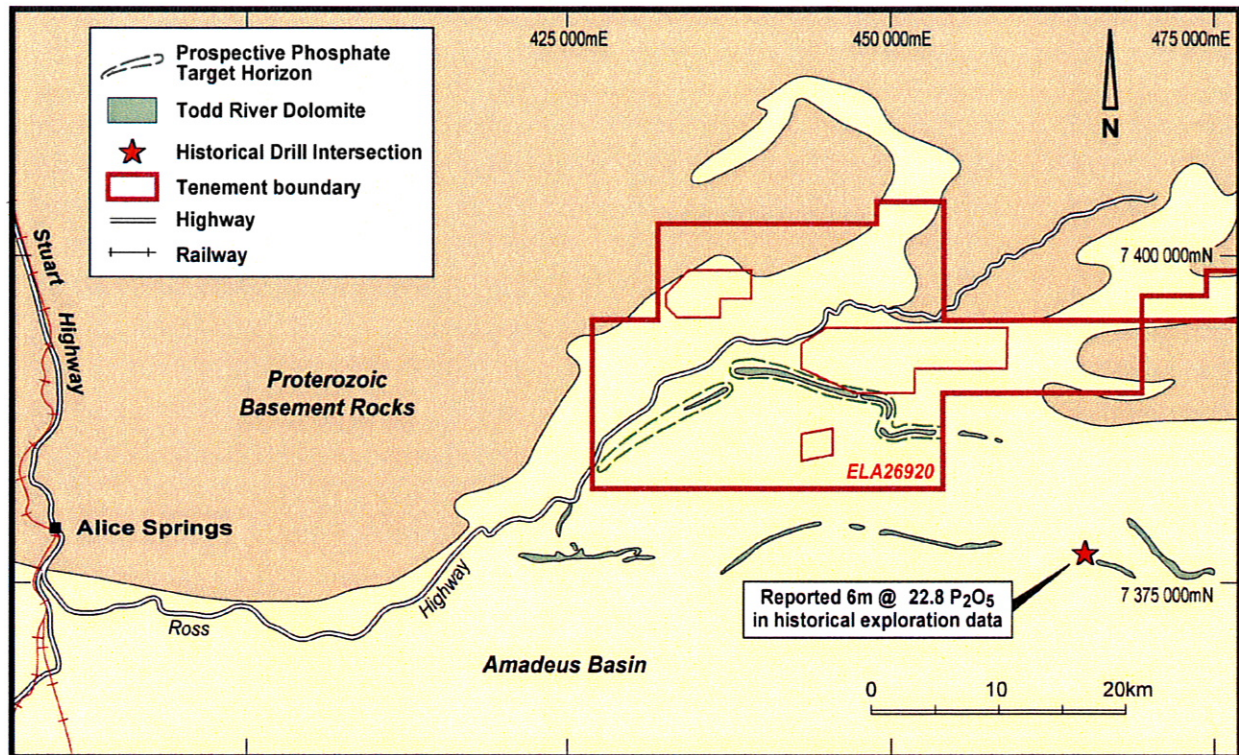


Figure 2

Kurundi-Epenarra Phosphate Target Areas

