

**ASX  
ANNOUNCEMENT**

**18 July 2007**

**Thundelarra Exploration  
Ltd**

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ACN 085 782 994

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**THUNDELARRA**  
EXPLORATION

**EXPLORATION UPDATE-URANIUM**

Thundelarra Exploration Ltd ("Thundelarra") is pleased to announce that it now has 18 uranium projects in Australia (up from 15) covering approximately 9,400 square kilometres. Of the 35 tenements, 29 are held 100% by Thundelarra (or its wholly owned subsidiary) with the remainder subject to joint venture or option agreements. Eight projects are within Western Australia, 7 within the Northern Territory, 2 within Queensland and 1 in South Australia. Negotiations are continuing to acquire 4 additional projects within the Northern Territory.

The projects range from grass roots and conceptual based on prospective geology and/or radiometrics through to advanced projects with known significant mineralisation. During the first half of 2007 Thundelarra focussed on base metal and platinum activities in the East Kimberley and West Pilbara. The Company is now well funded to sustain an aggressive exploration campaign on its quality portfolio of Australian uranium projects. **Thundelarra has over \$4 million in cash, approximately \$29 million in investments and is scheduled to become a nickel producer within 12 months.** Additional geologists and field staff are currently being employed and a multi purpose drilling rig has been contracted for the remainder of the field season. The details of the planned work programs for the September 2007 quarter are as follows:

**WESTERN AUSTRALIA**

**Spinifex Project-East Kimberley**

All statutory permits are now in place to allow the commencement of serious on ground exploration activities. A recent helicopter borne reconnaissance survey has located secondary uranium mineralisation at the new and exciting A1 prospect, a high priority radiometric anomaly discovered by Thundelarra in late 2006. A major mapping, ground radiometric and sampling program will commence in August to determine the nature, extent and magnitude of the mineralisation. Preliminary interpretation of available information suggests the mineralisation occurs at or near the unconformity between the siltstones of the Revolver Creek Formation and the overlying Hensman Sandstone. At the nearby Spinifex prospect, the high grade uranium mineralisation discovered in 1972 (assays up to **13.5% U<sub>3</sub>O<sub>8</sub>**) occurs in the Hensman Sandstone and possibly represents secondary uranium mineralisation remobilised from the underlying prospective unconformity.

## **Carola Valley-East Kimberley**

The Carola Valley project is located 105 kilometres north west of Halls Creek and covers the prospective unconformity between the King Leopold Sandstone and the underlying units of the Speewah Group. Significant uranium mineralisation occurs to the east of the project area at the Mad Gap prospect where historical rock samples have returned assays up to 4.65%  $U_3O_8$  within the Brown Sandstone unit. This highly prospective unit crops out within the largely under-explored Carola Valley tenements.

The entire project area will be covered by a detailed airborne radiometric survey commencing on the 18 August 2007. Follow up ground work will be undertaken prior to the end of the field season.

## **Kunderong Project-Ashburton Region**

The Kunderong project is located 110 kilometres south east of Paraburdoo and comprises 5 tenements in all. Two contiguous tenements, E52/1909 and E52/1940 covering an area of 580 square kilometres are wholly owned by Thundelarra. The other three tenements, E52/1890, E52/1891 and E52/1892 are held in joint venture with Cullen Resources Limited (Thundelarra earning 70% by the expenditure of \$1,500,000). The total project area of 1,180 square kilometres contains the highly prospective unconformable contact between the Middle Proterozoic Bresnahan Group rocks and the Lower Proterozoic Wyloo Group (see attached plan). This unconformity and associated areas of faulting are prospective for uranium mineralisation, similar in style to that of the Ranger and Jabiluka deposits in the Alligator Rivers region of the Northern Territory. The nearby Turee Creek uranium deposit is hosted within the favourable contact area and demonstrates the validity of the exploration model for the region. Numerous uranium occurrences occur within the Kunderong project tenements.

In the March quarter 2007, Thundelarra flew a detailed radiometric survey over the entire project area. Preliminary interpretation of the results has outlined 32 priority uranium anomalies within the project. Due to the very encouraging results from this regional airborne survey, Thundelarra has agreed to fly the Tempest airborne electromagnetic system in August over the majority of the project. The Tempest system was successfully used in the Eastern Alligator Rivers uranium field of the Northern Territory to locate the prospective unconformity and associated alteration zones beneath 300 metres of sandstone cover. It is anticipated that this relatively new technology will define drill targets beneath the extensive areas of sandstone that cover the prospective unconformity within the Kunderong project area. Results from the survey should be available in September 2007.

## **Gascoyne Province Projects**

In May 2007, Thundelarra's 3 projects in the Gascoyne province were granted. The **Kennedy Range project** (E09/1340) located approximately 200 kilometres east north east of Carnarvon covers an area of 92 square kilometres. The tenement contains several radiometric anomalies up to 3 kilometres in strike. Uranium mineralisation was discovered in the project area in the 1970s with up to **2,560ppm  $U_3O_8$**  recorded in shallow trenching. The radiometric anomalies are more extensive than the area previously explored and may represent roll front sandstone uranium mineralisation similar in style to the Manyingee deposit located near Onslow.

The **Mt Phillips project** (E09/1341) is located 100 kilometres east of the Kennedy Range project covers an area of 78 square kilometres. The tenement is prospective for calcrete-type valley fill uranium deposits. Airborne radiometric data outlines a 5 kilometre radiometric anomaly coincident with recent valley fill sediments. Previous limited exploration within the project returned up to **460ppm U<sub>3</sub>O<sub>8</sub>** from a pit dug into calcrete. Further work is now required to determine the source of the radiometric anomaly.

The **Glenburgh project** (E09/1342) is located 50 kilometres south of Mt Phillips and covers an area of 149 square kilometres. The tenement contains several high order and discrete radiometric anomalies and has the potential to host vein-style uranium mineralisation. No previous exploration is recorded over the tenement.

The initial field programs are expected to commence on the Gascoyne projects during the September 2007 quarter.

## **NORTHERN TERRITORY**

In the Northern Territory, Thundelarra's has focussed its tenement acquisition activities in the Pine Creek Geosyncline south of Darwin and in the Ngalia Basin region north west of Alice Springs. The Proterozoic Pine Creek Geosyncline is notable as one of the world's largest and richest uranium provinces, containing the Alligator Rivers and the Rum Jungle uranium mineral fields. The Ngalia Basin is an extensive and poorly explored sedimentary basin that contains a number of uranium occurrences including the Bigryli deposit.

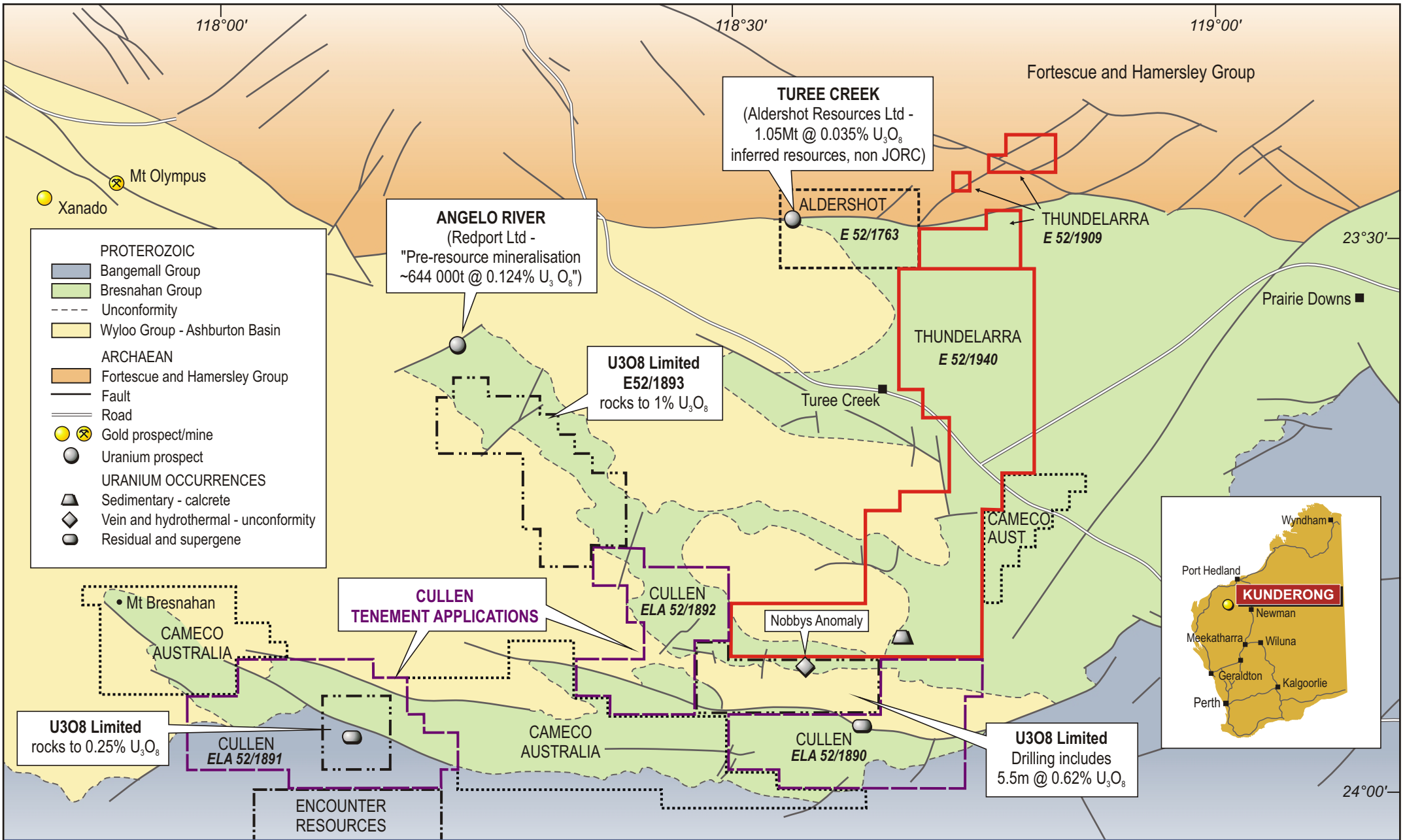
In the Pine Creek region, Thundelarra currently has the Frances Maude, Hayes Creek and McKinley projects. To date only the 2 tenements of the Frances Maude project are granted but negotiations are currently underway to acquire 4 more projects in the region including a number of granted tenements.

The **Frances Maude project** is located 2 kilometres west and along strike from the Cleo uranium resource and contains approximately 4 kilometres strike of a prospective package of graphitic schists and interbedded dolomites. Historical exploration has identified a number of uranium occurrences within the project and Thundelarra's initial uranium drilling program is scheduled to commence in early August.

A base metal drilling program is currently underway on the project, testing a high order magnetic anomaly to the south of the uranium targets. The first hole completed has intersected a broad zone (40 metres) of abundant sulphide mineralisation (magnetic pyrrhotite) within a fine grained metasediment. Four holes are planned to test the magnetic anomaly and drilling will be completed by the last week of July with assay results available by the middle of August.

In the **Ngalia Basin** Thundelarra has five tenements covering approximately 3,500 square kilometres. This extensive and highly prospective project area will be the focus of Thundelarra's exploration efforts from the end of September 2007 when the first of the tenements are expected to be granted (see attached plan).

The details contained in this report that pertain to ore and mineralisation is based upon information compiled by Mr Brian Richardson, a full-time employee of the Company. Mr Richardson is a Member of the Australasian Institute of Mining and Metallurgy (AUSIMM) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the December 2004 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). Mr Richardson consents to the inclusion in this report of the matters based upon his information in the form and context in which it appears.

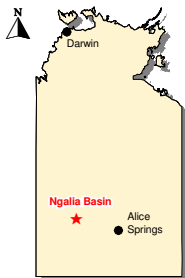
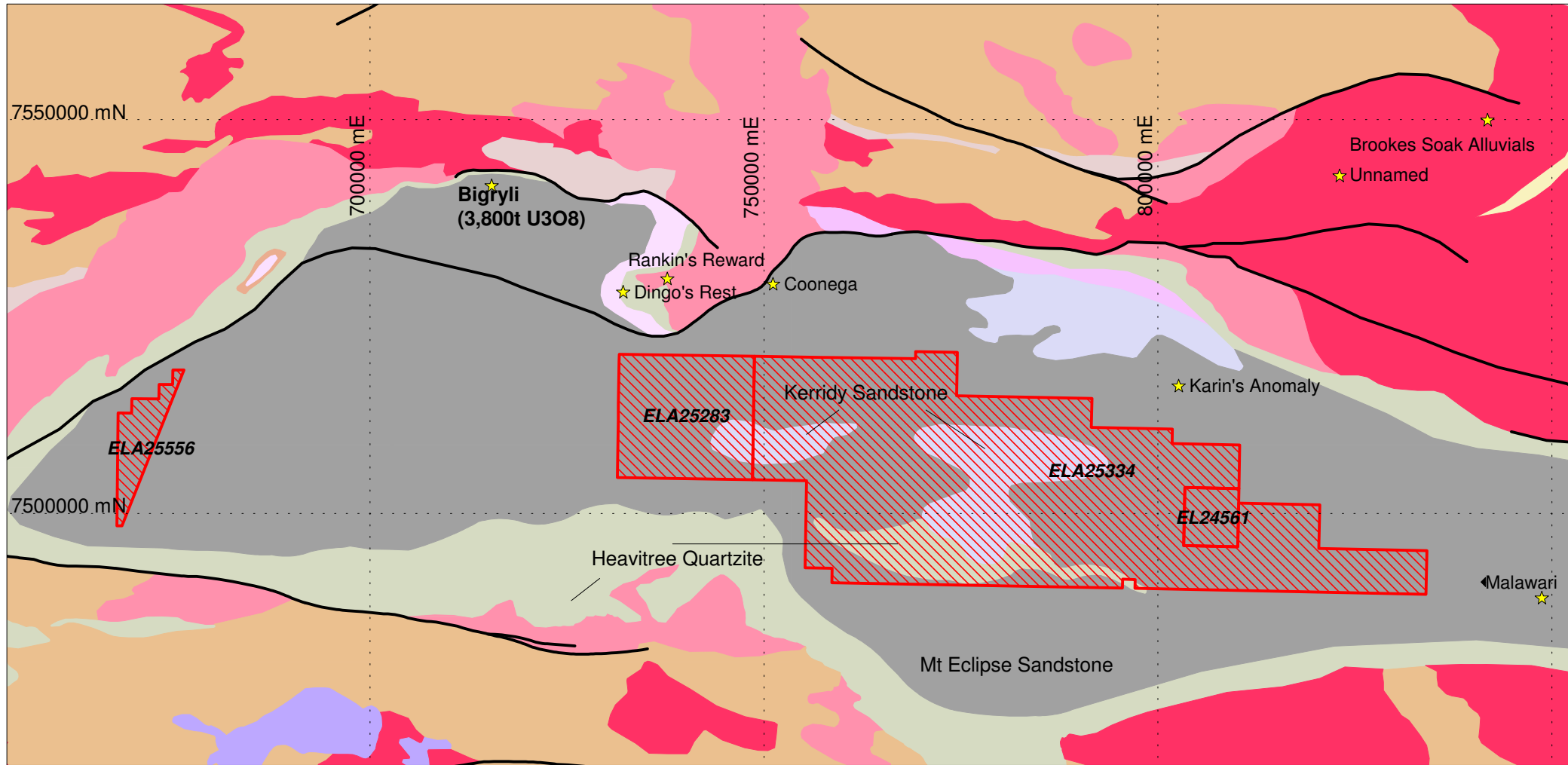


# KUNDERONG PROJECT

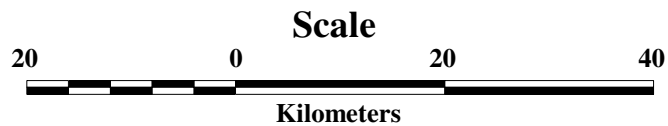
## Simplified Geology & Tenement Location

(Geology compiled from GSWA 1:250 000 map sheets and GSWA Report 64)





★ Uranium Occurrence



**NGALIA BASIN PROJECT**  
Geological Interp (after NTGS)

Author: GH	Date: 24 November 2006
Drawn By:	Revised:
Plan No.:	Report No.:
Projection: MGA94 Zone 52	Scale: As Shown