

**ASX  
ANNOUNCEMENT**

**27 January 2009**

**Thundelarra Exploration  
Ltd**

ABN 74 950 465 654

ACN 085 782 994

For further information  
regarding Thundelarra  
Exploration Ltd contact:

**Brett Lambert**

Chief Executive Officer

or

**Brian Richardson**

Director of Exploration

Phone: + 61 8 9321 9680

Fax: + 61 8 9321 9670

**Website:**

[www.thundelarra.com](http://www.thundelarra.com)

**Email:**

[info@thundelarra.com.au](mailto:info@thundelarra.com.au)

**Registered Office:**

Suite 2, Level 3,  
IBM Building  
1060 Hay Street,  
West Perth  
Western Australia 6005

PO Box 7363, Cloisters  
Square Perth Western  
Australia 6850



**THUNDELARRA  
EXPLORATION**

**HIGH LEVEL RADIOMETRIC RESULTS EXTEND  
THUNDERBALL URANIUM PROSPECT,  
NORTHERN TERRITORY**

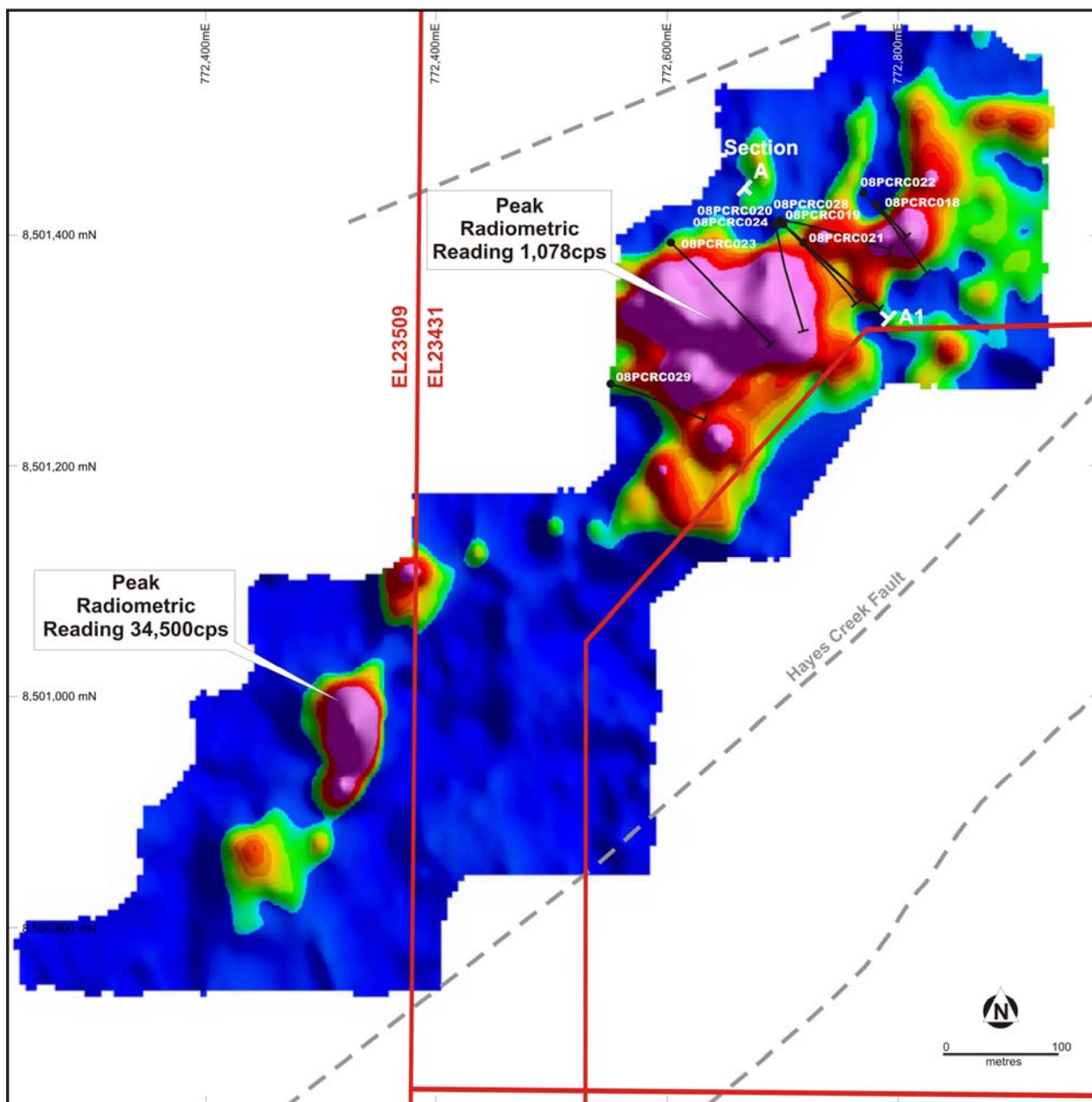
Thundelarra Exploration is pleased to announce that preliminary results from a recently commenced ground radiometric survey indicate significant extensions to the Thunderball uranium prospect. The detailed survey is testing for a south-west extension of Thunderball into the adjacent tenement, EL23509. Thundelarra secured an option to acquire a 100% interest in EL23509 in early December 2008.

The survey is showing that strong radiometric anomalism extends to at least 400 metres south west and along strike of the original Thunderball discovery. The anomaly has returned a peak radiometric reading on the 25 metre survey grid of 3,674 counts-per-second (cps) total count. Spot spectrometer readings of up to 34,500cps total count and 3,756ppm equivalent uranium were recorded locally (between survey grid lines) using an Exploranium G135 instrument.

The ground radiometric survey results are highly encouraging as they indicate a much higher order of radiometric anomalism than the initial Thunderball anomaly which returned peak grid radiometric results of 1,078cps total count. The Thunderball prospect was drilled during 2008 producing significant down-hole uranium intercepts, including 3 metres at 2,964ppm U<sub>3</sub>O<sub>8</sub>, 3 metres at 938ppm U<sub>3</sub>O<sub>8</sub> and 3 metres at 1,001ppm U<sub>3</sub>O<sub>8</sub> (ASX Announcement 21 January 2009). Mineralisation consists of pitchblende and secondary uranium oxides along shears within siltstones and tuffs assigned to the Proterozoic Mt Bonnie Formation.

Initial reconnaissance geological mapping shows that the new anomaly lies along the same geological-structural zone as Thunderball, although the anomaly itself is covered by colluvial and residual soils and no outcrop has as yet been located. Thundelarra anticipates completing the detailed and extensive ground radiometric survey within EL23509 by the end of February 2009. Follow-up exploration including drilling will commence after the summer monsoon.

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.



**Thunderball Prospect – Ground radiometric image (total count) showing south-west extension**