



**Uranium Exploration
Australia Limited**

ABN 65 112 714 397

On the Road to Discovery

September 2007
www.uxa.com.au

For personal use only

Acknowledgements & Disclaimer

Acknowledgements

Uranium Exploration Australia Limited (UXA) thanks GeoScience Australia and each of the relevant State and Territory mines department bodies as well as Cameco Corporation, UxC Corporation, The Uranium Information Centre and Martin Place Securities for information and diagrams presented herein that have drawn extensively on data and information published or produced by them which has been compiled, diagrammed and mapped where appropriate by UXA's employees and/or consultants.

Disclaimer

This presentation does not comprise a disclosure document. It does not constitute provision of financial product advice. None of the directors of UXA, its related bodies corporate, officers, employees or advisors makes or gives any representation, warranty or guarantee in relation to this presentation (whether orally, in document form or in any form whatsoever) or in relation to any information ("Information") contained in it to the recipient of this presentation or any of its related bodies corporate, officers, employees and advisors ("Recipient(s)"). Information sourced from third parties and reported in this presentation has not been verified or updated; it is important that Recipient(s) take care to verify and update before taking in to account in any process of evaluation. The presentation is provided expressly on the basis that the Recipient(s) will carry out its own independent inquiries into the Information and make its own independent decisions about the affairs, financial position or prospects of UXA. UXA reserves the right to update, amend or supplement the Information at any time in its absolute discretion (without incurring any obligation to do so).



Presentation Outline

- **UXA Share Structure and Directors**
- **Uranium Market Drivers**
- **Exploration Strategy and Tenement Positions**
- **Company Highlights**
- **Exploration Program Status**
- **Strategic Exploration Tool**

For personal use only



UXA Share Structure on Listing

- ASX Listing 22 November 2005
- 64.1 million ordinary shares (ASX: UXA)
- 43.0 million options (ASX: UXAO)
- Market Capitalisation A\$13 million
 - At \$0.20 per share and option



UXA Share Structure – Current

- 88.3* million ordinary shares (ASX: UXA)
- 43.6* million options (ASX: UXAO)
- **Market Capitalisation ~A\$33million**
 - Based on \$0.31/share and \$0.12/option 7 Sept 2007

*EOM July 2007



Board of Directors



**Chairman
Neill Arthur**



**Managing Director
Patrick Mutz**



**Director
Barry Dawes**



**Director
Steve Gemell**



**Director
David Hawley**



**Director
Ian Mutton**



Global Uranium Market Drivers

For personal use only

Increasing
global demand for
electricity

Burgeoning
demand from China
& India

Tight
uranium supply
scenario

Increasing
demand for CO₂ - free
alternatives

Increasing
government and
environmental
support



Fundamentally Strong Uranium Market



UXA Exploration Strategy

Apply modern exploration techniques across under-explored, highly prospective terrain within proven mining regions in Australia

For personal use only

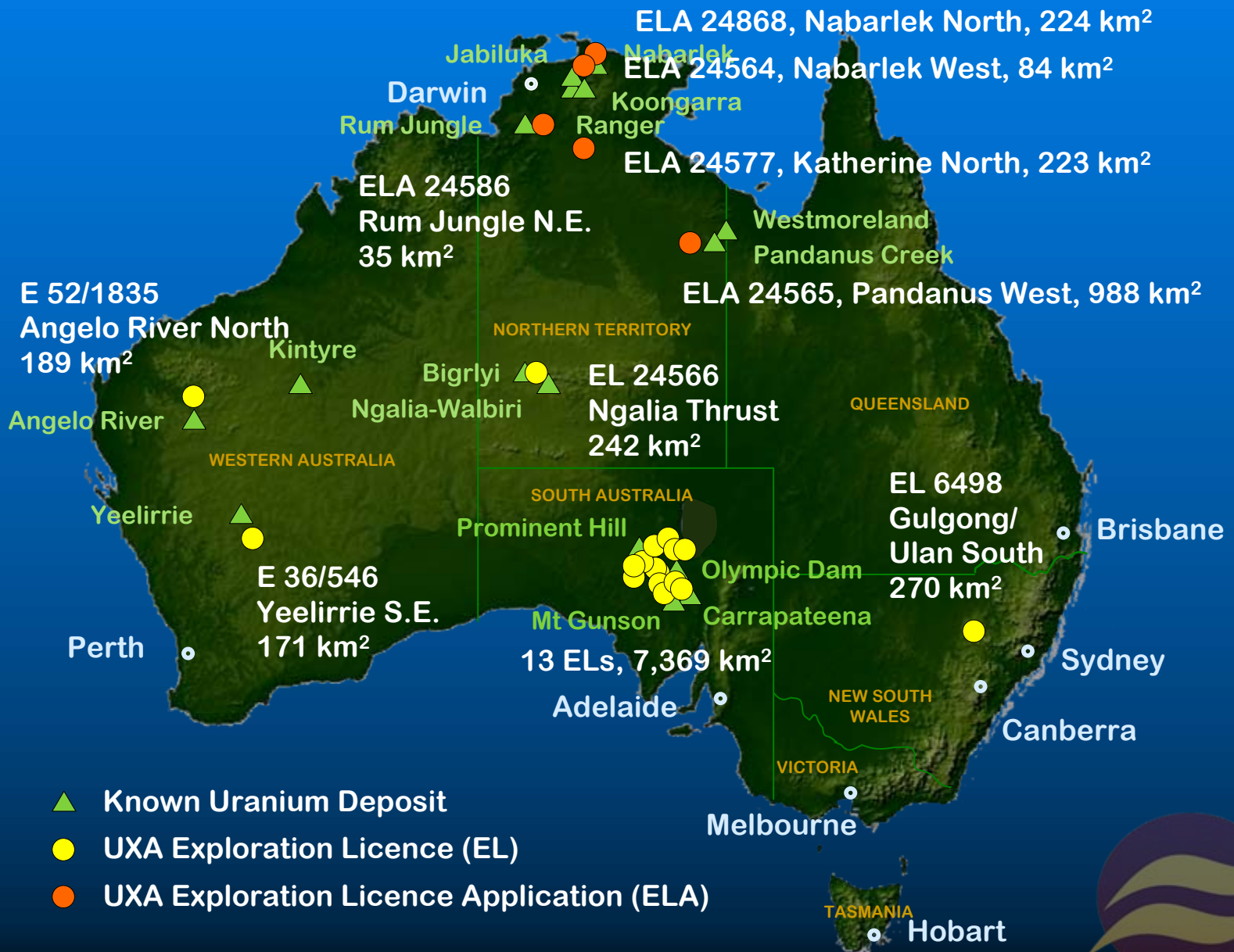


Tenement Holdings

- Substantial tenement positions
 - Total 22 tenements (17 ELs & 5 ELAs)
 - 9,793 square kilometres in SA, NT, WA, & NSW
- Quality locations
 - Tenements located in proven mining regions
 - Access to existing infrastructure



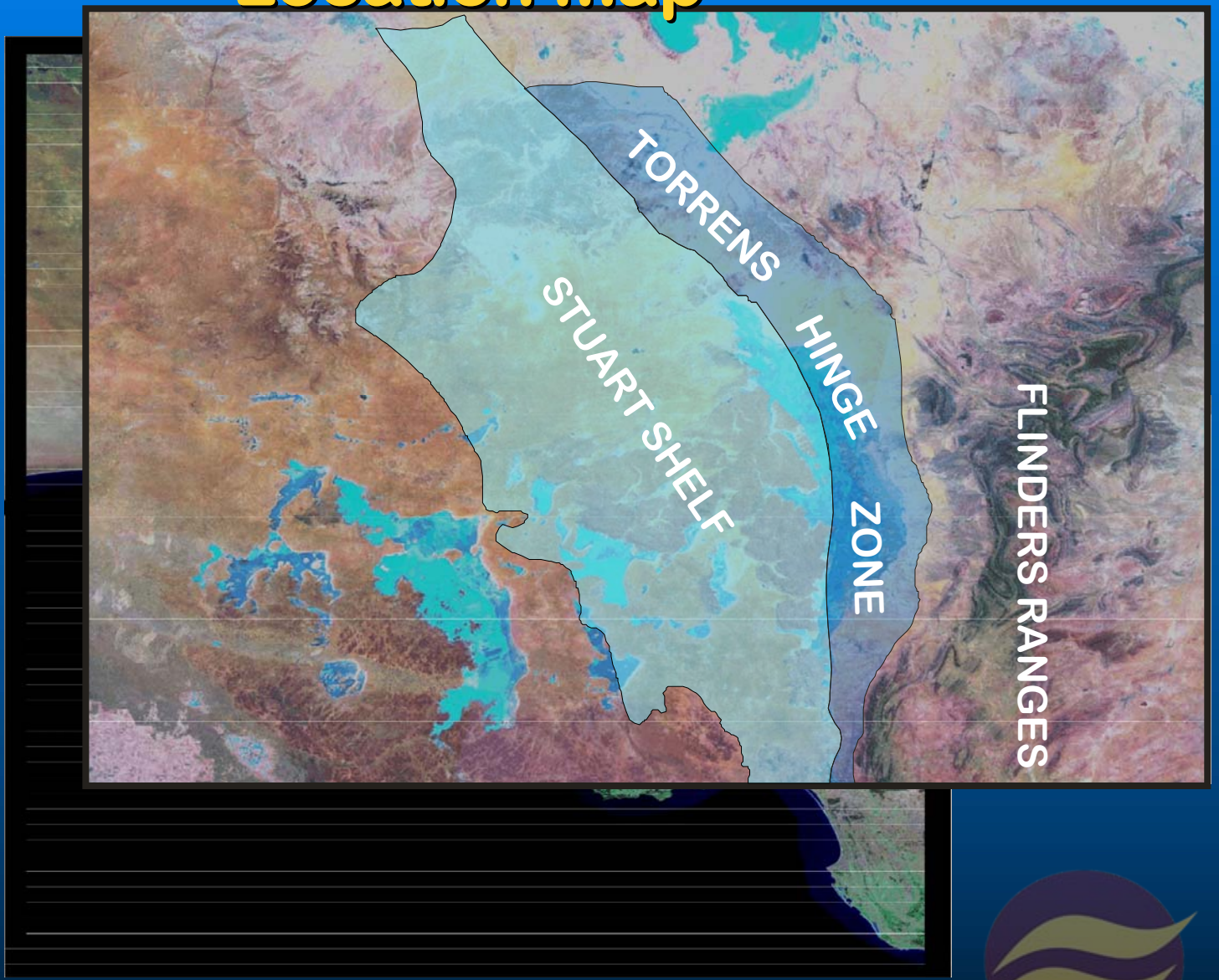
Tenement Locations



For personal use only

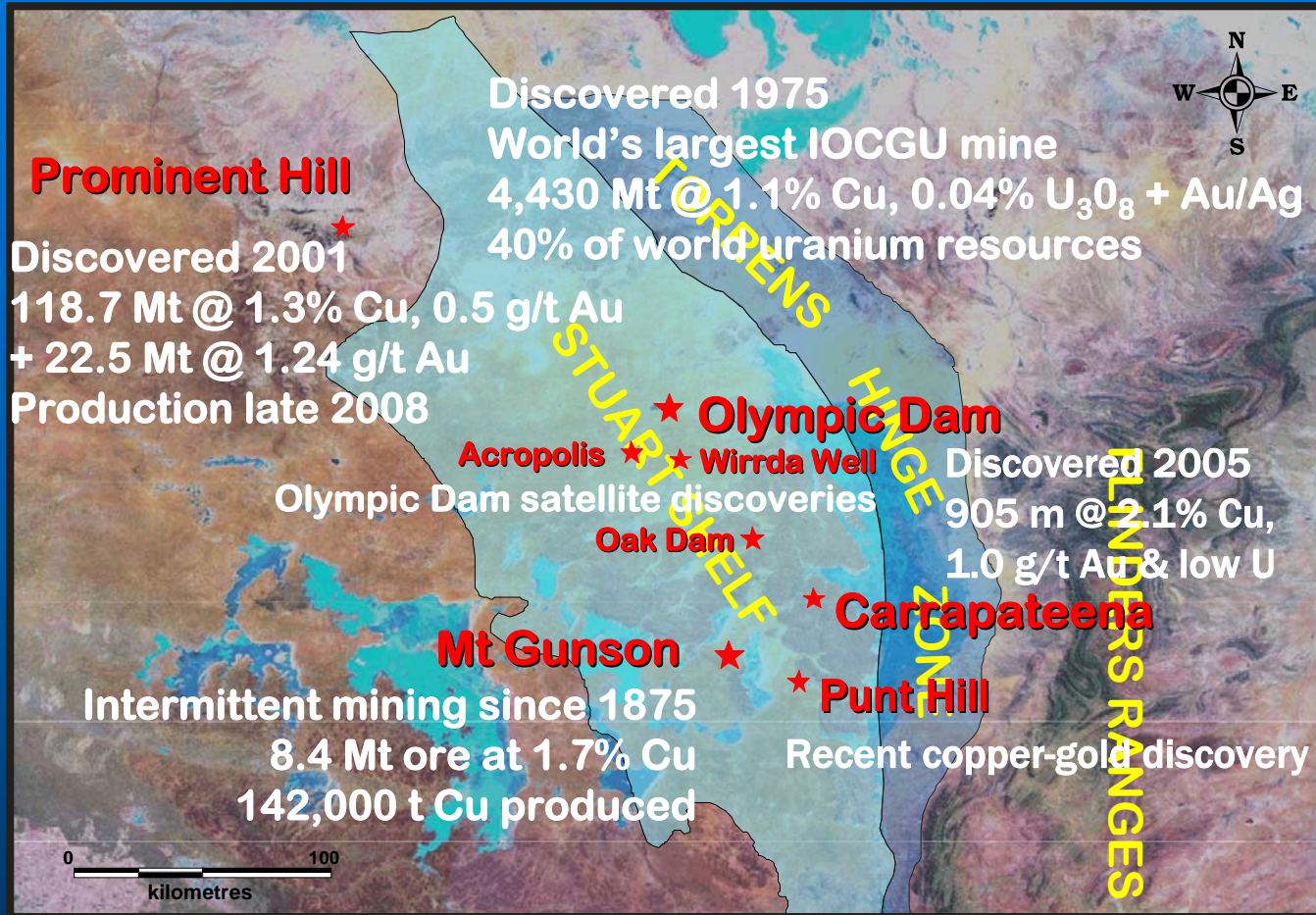


Location map



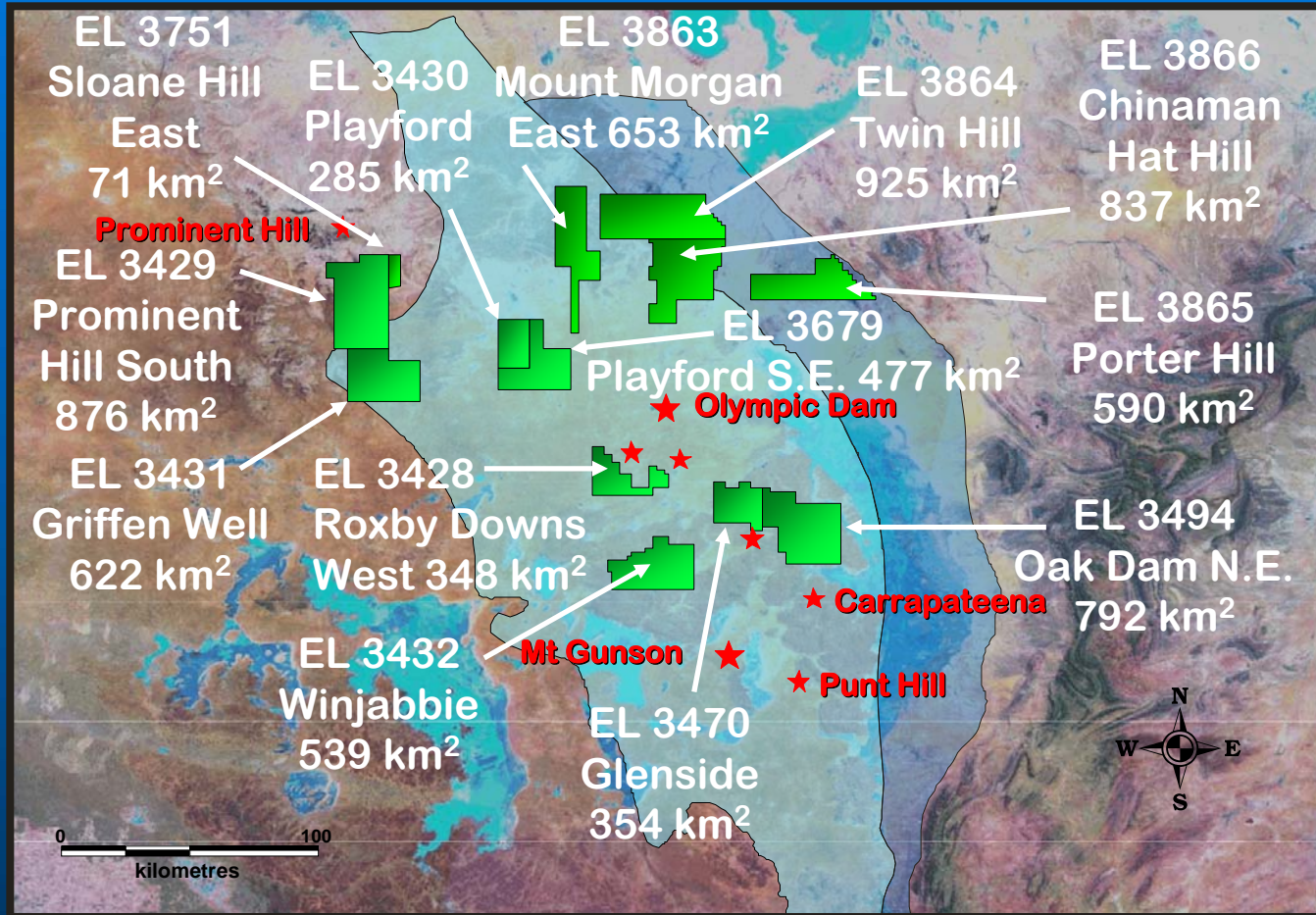
Stuart Shelf exploration

For personal use only



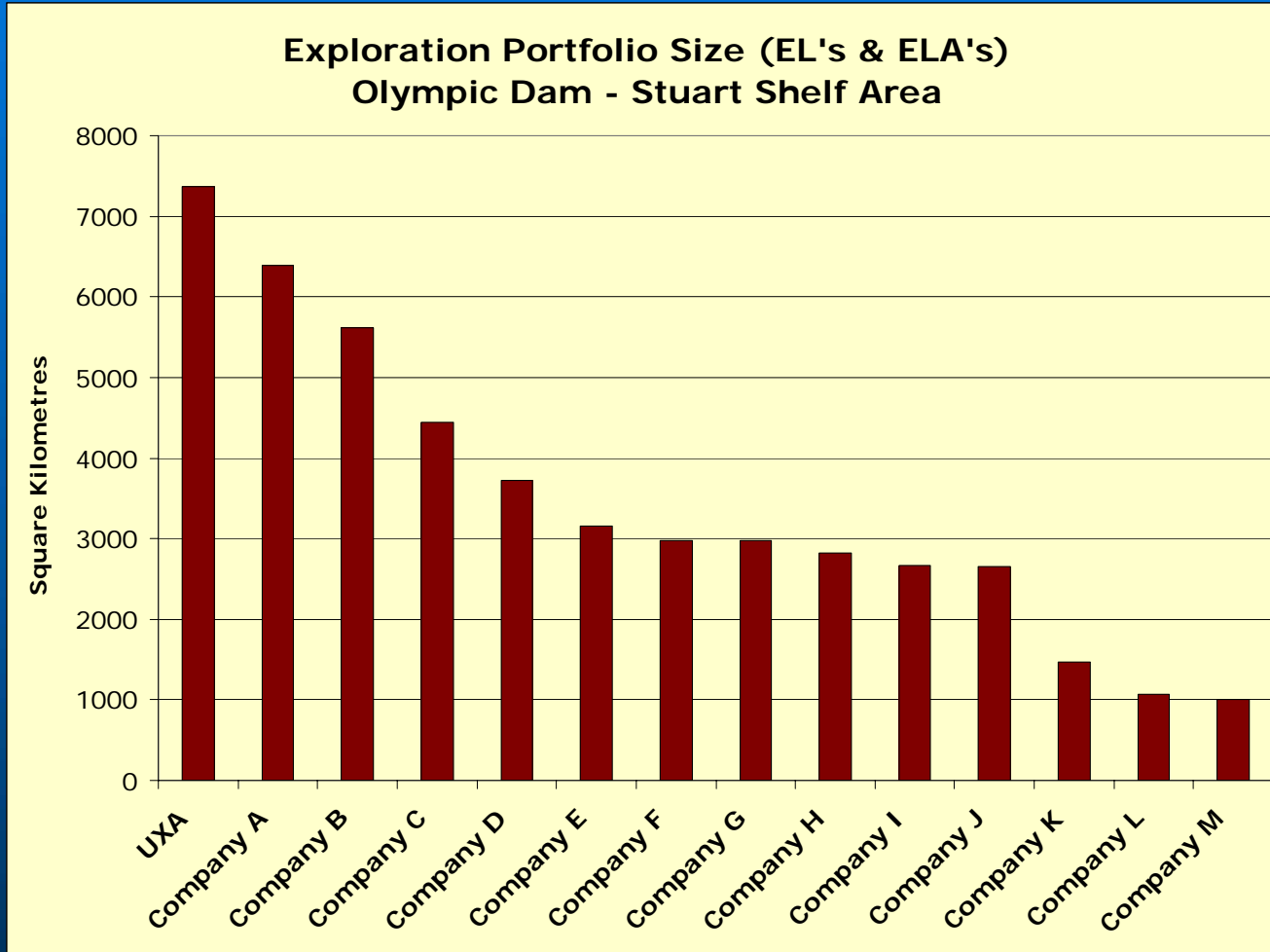
UXA's Stuart Shelf tenements

For personal use only



UXA South Australian Tenement Holding

For personal use only



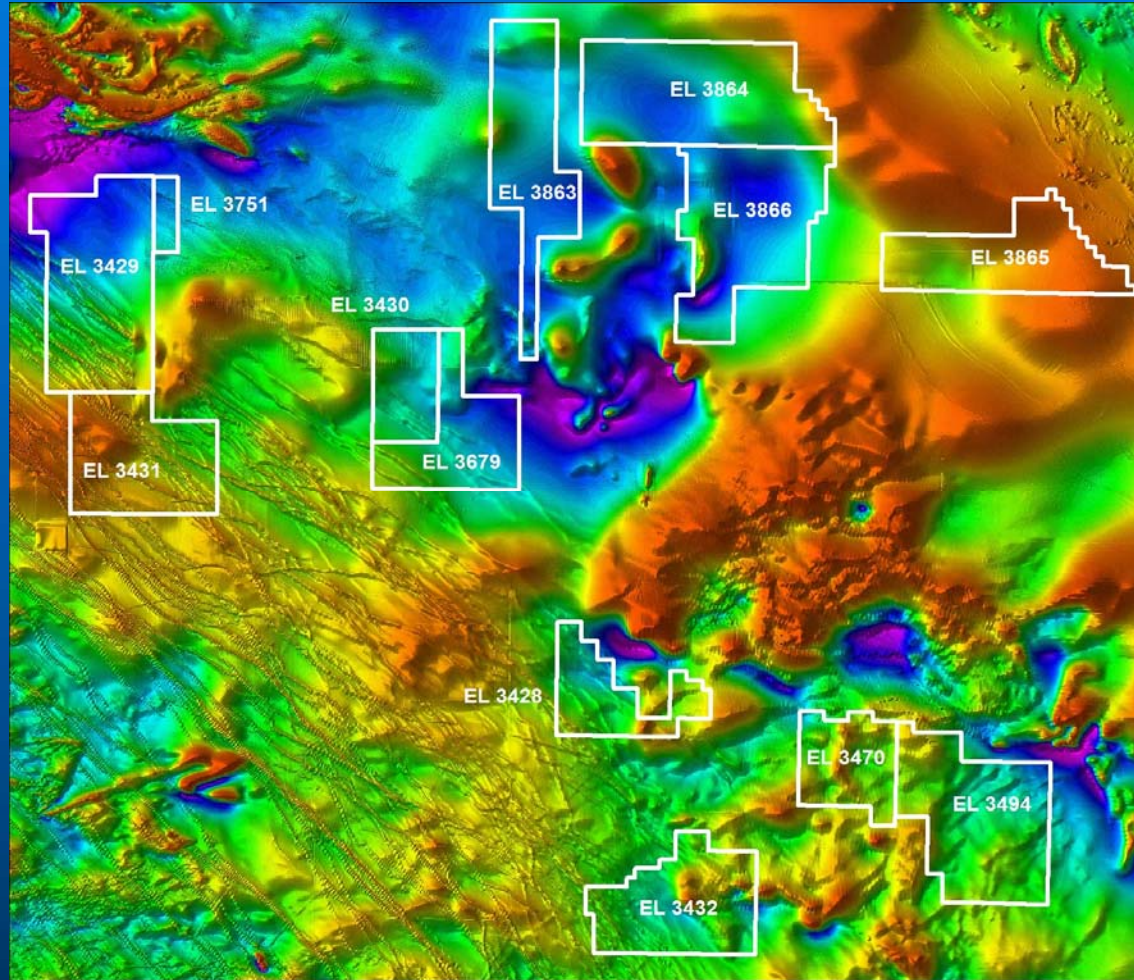
Company Highlights

- Actively exploring under aggressive \$10 million budget with 20,000 metres drilling
- Adequately funded with \$7.5 million in the bank
- Active Joint Venture/Strategic Alliance agreements
 - EL 3494 in SA under JV with Newcrest
 - EL 3013 under UXA Farm-in/JV with Rosscraft
 - Strategic Alliance with GAA on PFN

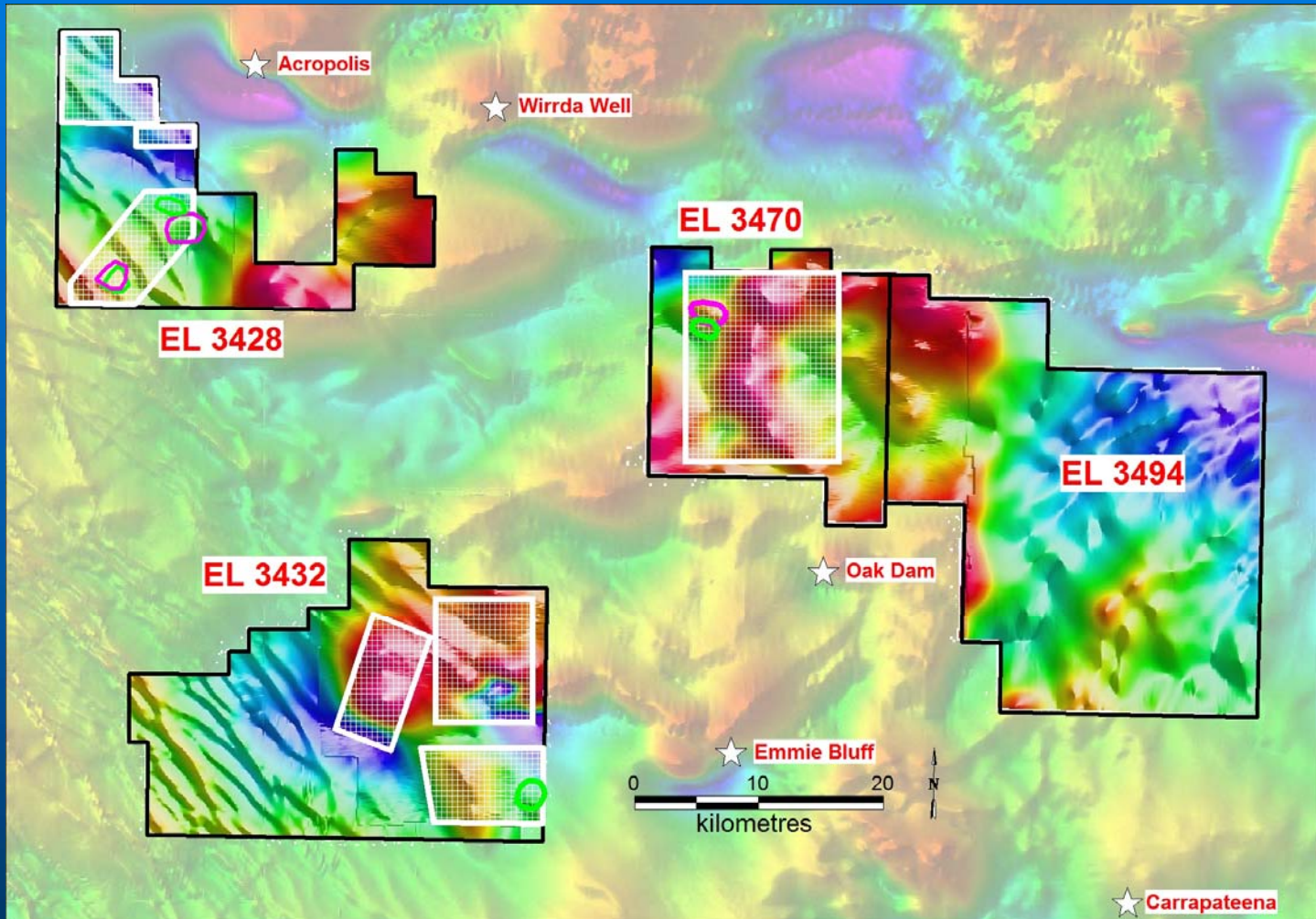


UXA SA Tenements over TMI

For personal use only



Specific Areas of Interest

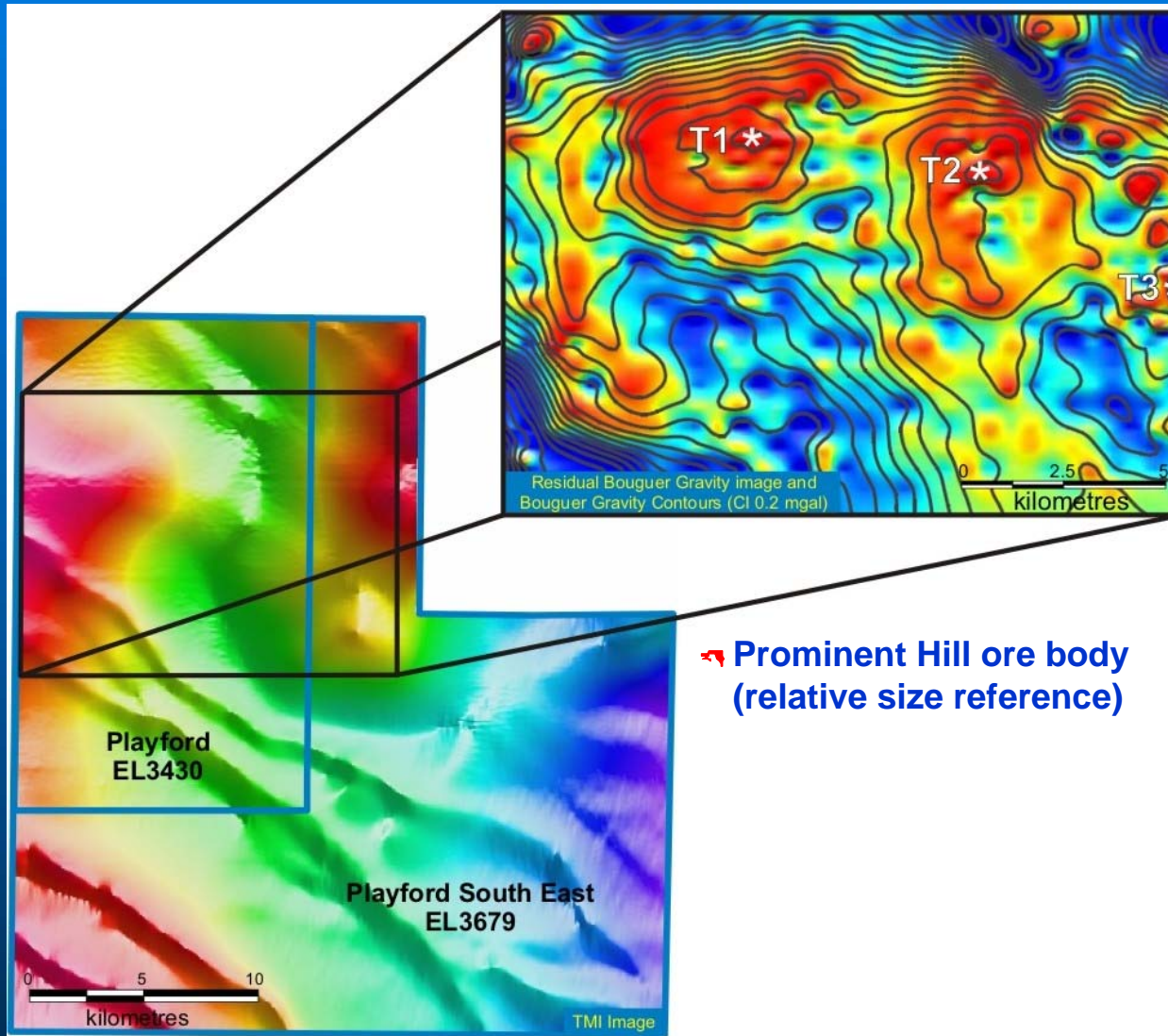


For personal use only



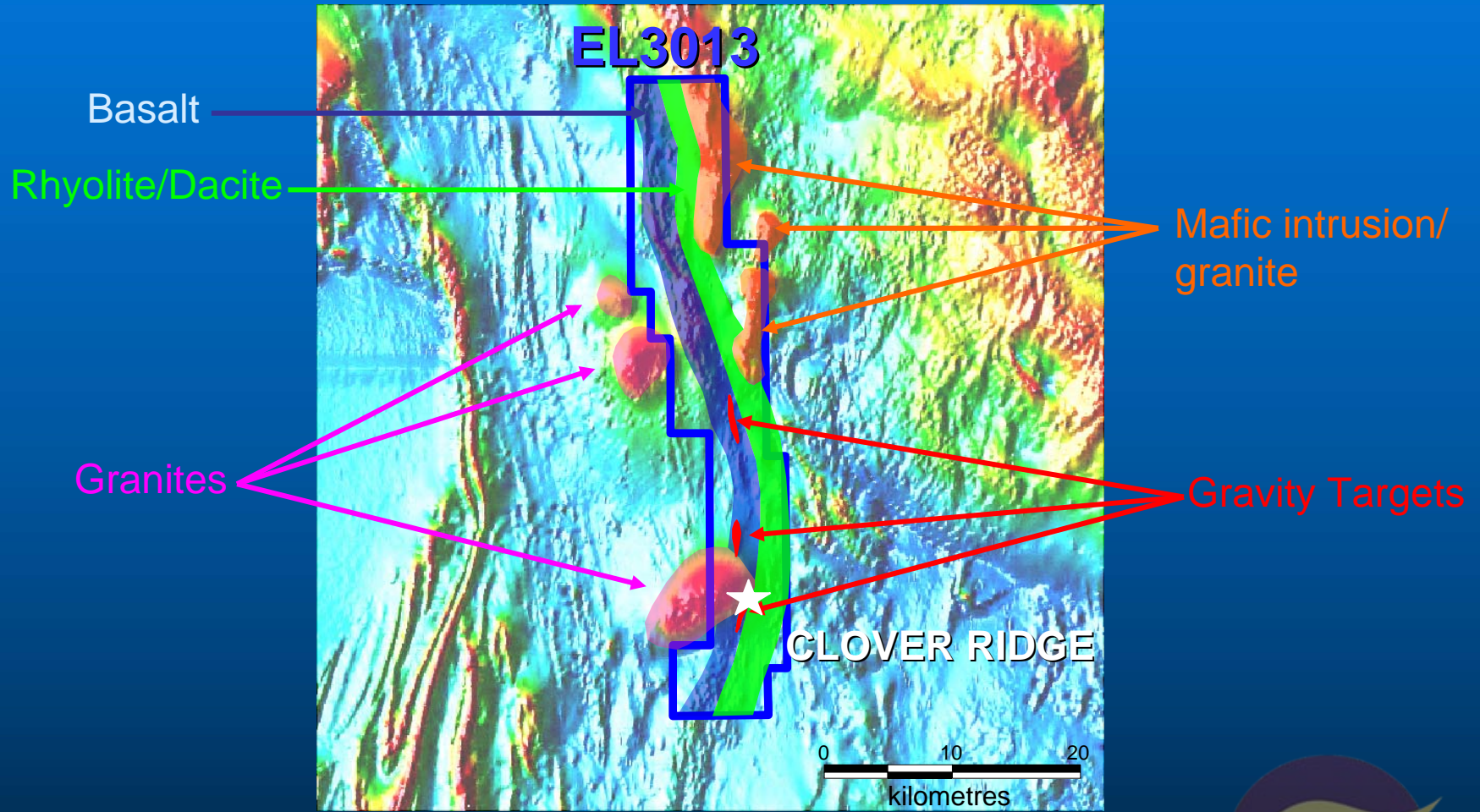
Playford & Playford S.E.

For personal use only



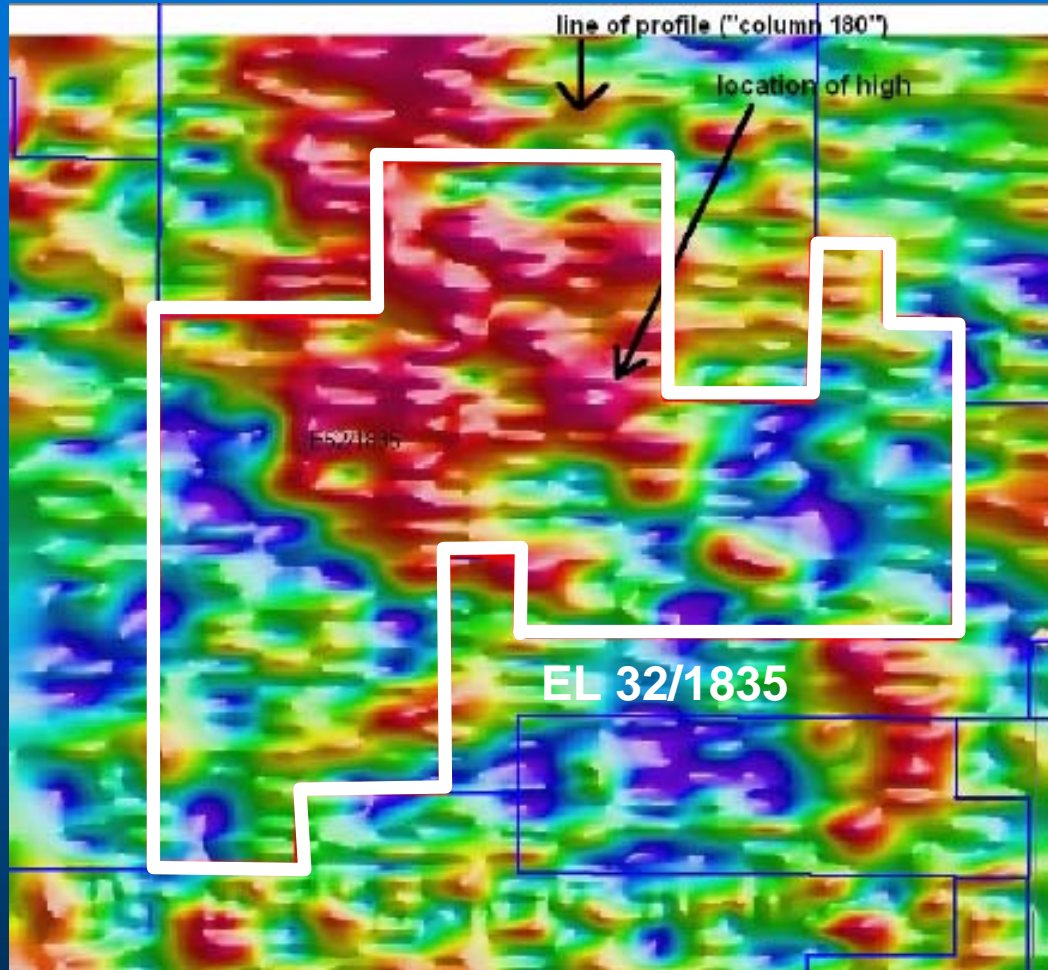
Marcollat – geophysical interpretation

For personal use only



Angelo River North in WA

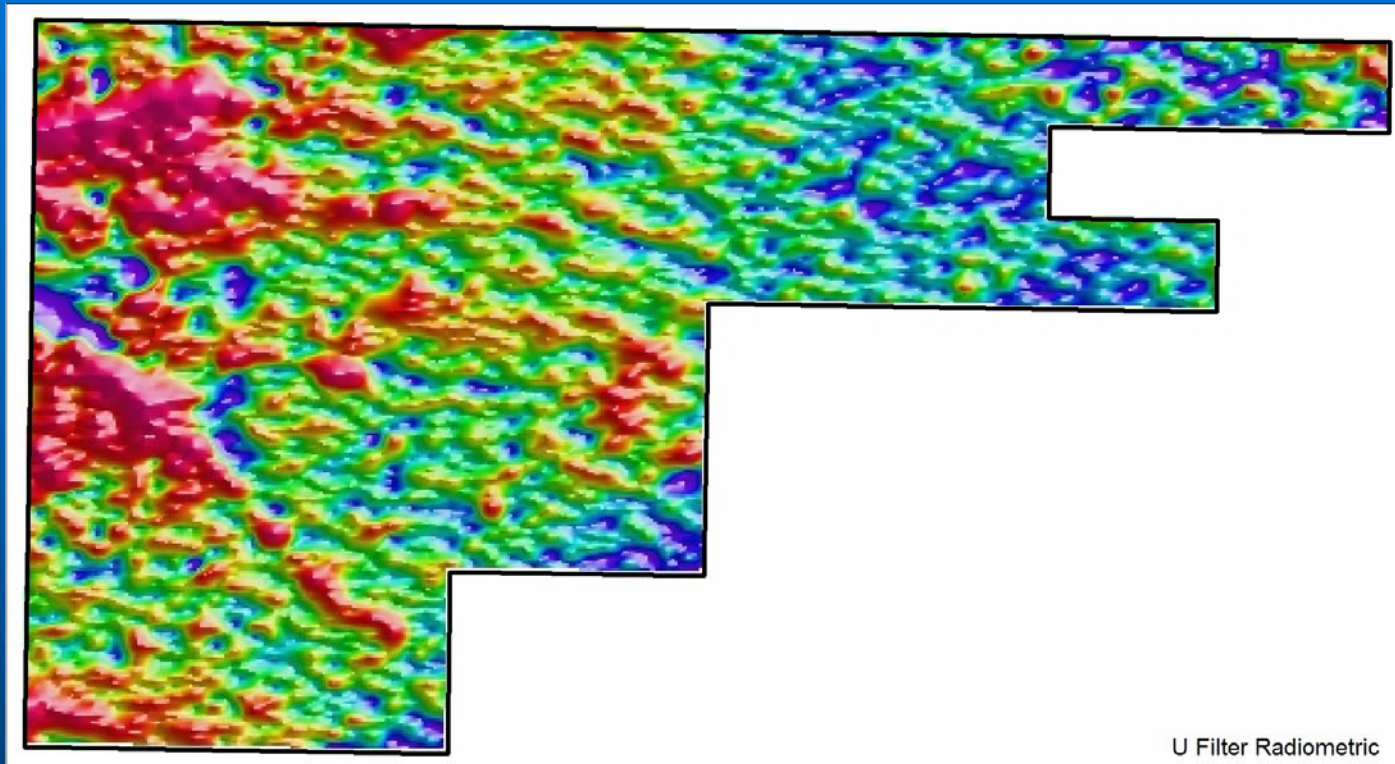
For personal use only



Regional Data: U Filter image



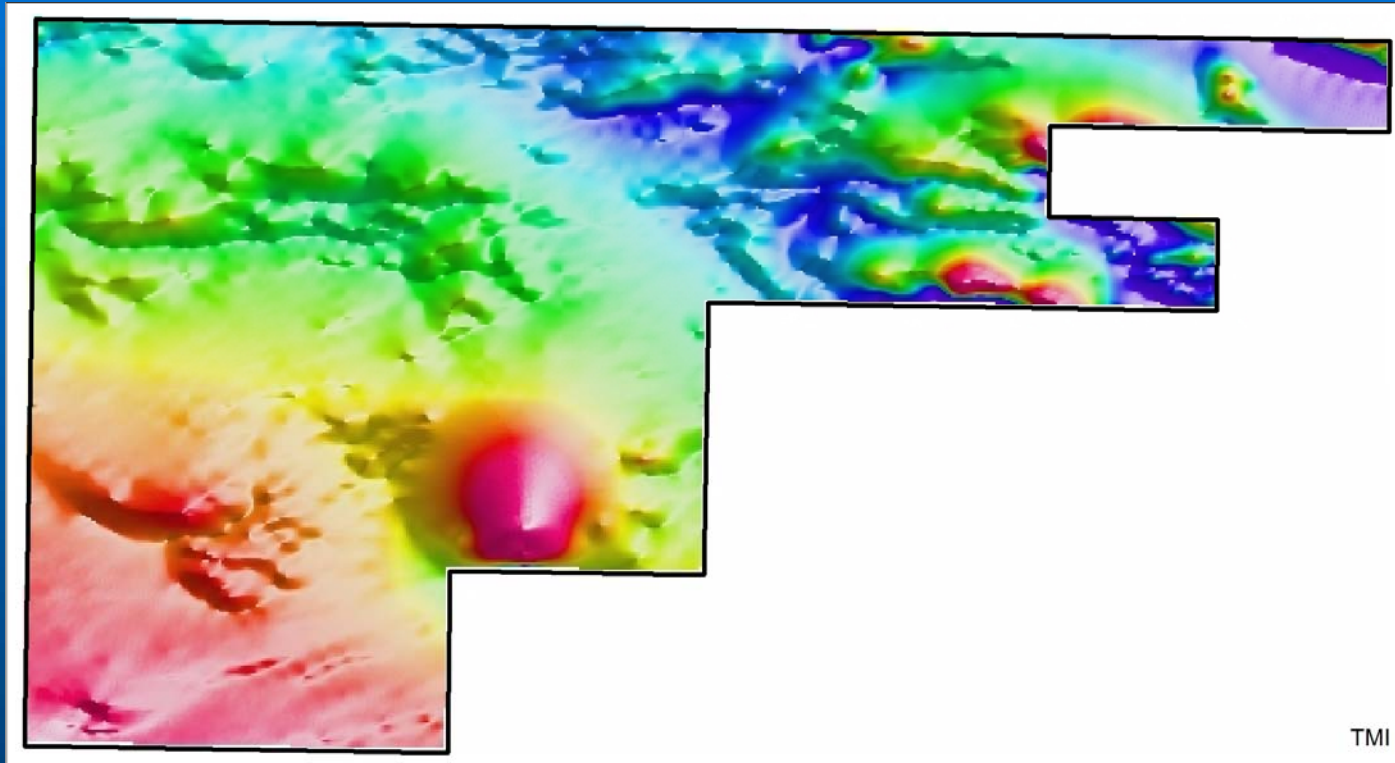
Ngalia Thrust in NT



For personal use only



Ngalia Thrust in NT



For personal use only



Strategic Exploration Tool

Prompt Fission Neutron (PFN)
technology for green-field
uranium exploration

For personal use only



Advantages of PFN

- Eliminates the concern of missing uranium in the borehole, irrespective of disequilibrium
- Provides fool-proof and immediate analysis of uranium within the borehole
 - allows in-field drill program adjustments
- Analyzes a larger mass of host rock than core sample or drill cuttings
 - Neutrons penetrate up to 500mm into formation



Advantages of PFN

- **Reduces analytical costs by identifying**
 - barren core or drill cuttings
 - samples with false gamma signature from U daughters, potassium, or thorium
- **Eliminates need for core sample collection in initial exploration stages**



Summary

Why invest in UXA?

- Quality management team with more than three decades collective uranium sector experience
- Excellent land positions across Australia
- Aggressive drilling program on targets identified using a multi-discipline geoscientific approach
- Active Joint Ventures with potential for others and/or acquisitions
- Scope for share price appreciation





Uranium Exploration Australia Limited

ABN 65 112 714 397

Contact details:

www.uxa.com.au

info@uxa.com.au

+61 8 8363 7970

Uranium Exploration Australia Limited
Registered Office in Adelaide, South Australia
313 Payneham Road
Royston Park, SA 5070

