



# ASX Announcement

21 May 2013

**Re: Presentations at the Third Annual Resources & Energy Investment Symposium and the Australia China Minerals Investment Summit**

Attached please find copies of presentations to be delivered today at the Third Annual Resources & Energy Investment Symposium in Broken Hill and the Australia China Minerals Investment Summit in Darwin.

## BACKGROUND INFORMATION

Renaissance Uranium is an Australian-based company focused on the discovery and development of economically viable deposits containing copper, gold, uranium and associated minerals. Renaissance has an extensive tenement portfolio, holding interests in key mineral provinces of South Australia and the Northern Territory.

## FOR FURTHER INFORMATION, PLEASE CONTACT:

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Managing Director

**Mr Angelo Gaudio**

Company Secretary

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# Renaissance Uranium Limited

ASX code: RNU

## Eastern Eyre IOCGU Project



Presented at the Resources  
and Investment Symposium

Broken Hill, 21 May 2013

Geoffrey McConachy, Director Geology

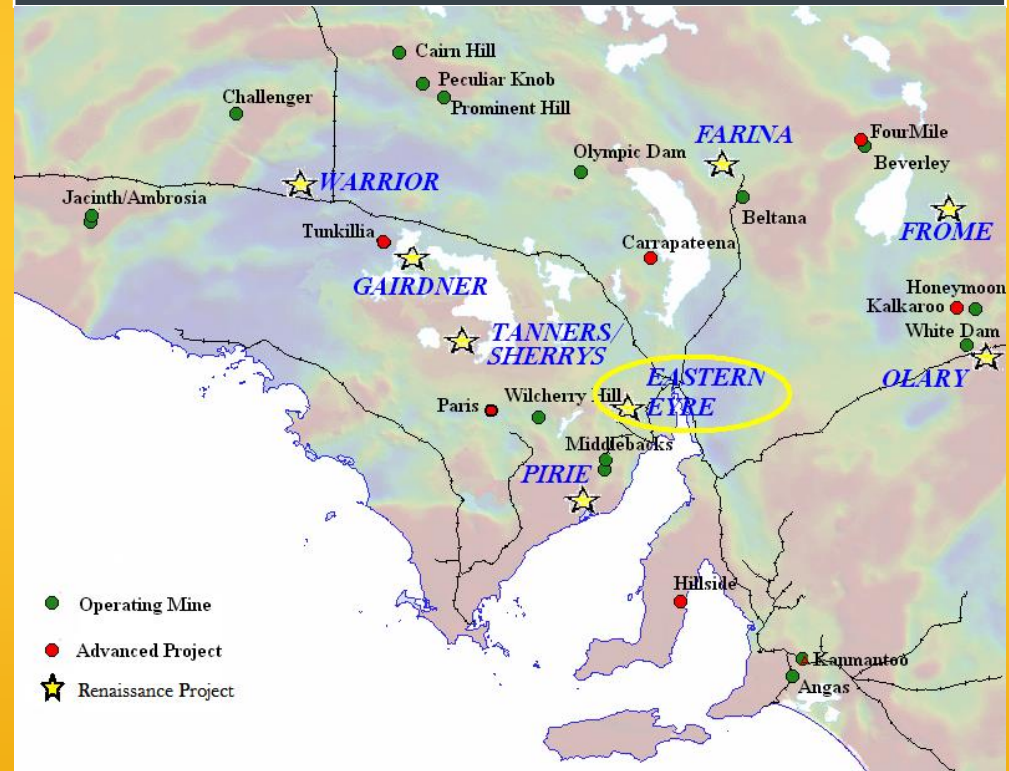


# Renaissance Uranium

## Summary

- Renaissance Uranium is a multi-commodity explorer focused on discovery opportunities in key mineral provinces of its home state, South Australia
- Management experienced and highly successful in South Australia
- Project portfolio includes “company maker” copper targets in South Australia
- Aggressive exploration programs planned in 2013 over multiple drill-ready targets

### Location of Renaissance's South Australian projects



# Corporate profile

- ASX code RNU
- Shares on issue 114.8m
- Options 14.3m\*
- Cash (31 March 13) \$3.1m
- Share price (15 May 13) \$0.050
- Market capitalisation \$5.7m
- Top 20 shareholding 64%
- Board shareholding 47%
- Registered office 36 North Terrace  
Kent Town, SA 5067

## Board of Directors

Stephen Bizzell (Chairman)

David Christensen (MD)

Geoff McConachy

Chris Anderson

Andrew Martin

\* Option breakdown: 13,550,000 options @ \$0.24, expiring between 15 December 2013 and 17 February 2015;  
750,000 @ \$0.054, expiring 30 April 2016.

# Management

## Successful track-record

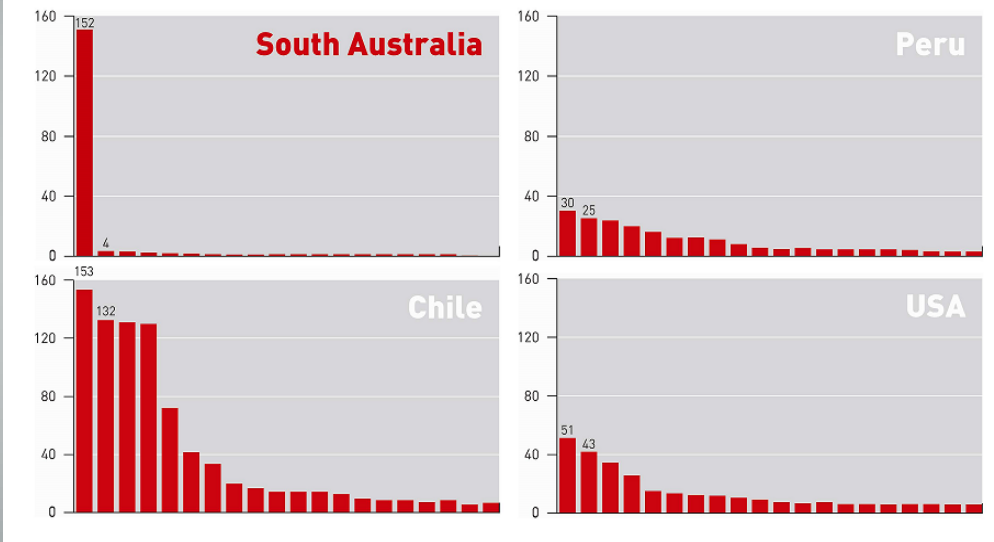
|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>David Christensen</b><br><i>Managing Director</i>  | <ul style="list-style-type: none"><li>• Experienced uranium mining executive, with recent successful experience managing exploration, mining and marketing operations</li><li>• Previously CEO of Adelaide-based Heathgate Resources and Quasar Resources</li><li>• Other past roles include President of uranium trading and marketing company, Nuclear Fuels Corporation</li></ul>                                                                                           |
| <b>Geoff McConachy</b><br><i>Executive Director</i>   | <ul style="list-style-type: none"><li>• Geologist with over 30 years experience in the minerals exploration industry</li><li>• Significant South Australian experience, including as Managing Director, Exploration of Heathgate Resources</li><li>• Leader of the exploration and development team of Quasar Resources, for which he was co-honored as Prospector of the Year by Australian Association of Mining and Exploration Companies for Four Mile discovery</li></ul> |
| <b>Chris Anderson</b><br><i>Director/Geophysicist</i> | <ul style="list-style-type: none"><li>• Experienced geophysicist with over 30 years of exploration experience</li><li>• Recent experience includes instrumental role in discovery of the Carrapateena copper-gold-uranium discovery</li><li>• Past experience includes extensive work in South Australia, and, in particular, IOCGU geophysical interpretations in the Gawler Craton</li></ul>                                                                                 |
| <b>John Wright</b><br><i>Geologist</i>                | <ul style="list-style-type: none"><li>• Geologist with over 30 years experience in mineral and hydrocarbon exploration</li><li>• Particular expertise in sedimentary and volcanics</li><li>• Previous experience includes working with CRA Exploration, where he was instrumental in discovery of Century zinc project</li></ul>                                                                                                                                               |

# Copper in South Australia

## Renaissance's exploration prospects

- South Australian copper endowment
  - One giant deposit (Olympic Dam)
  - Several mid-tier copper deposits
  - Multiple IOCGU prospects
- Copper under-represented
  - Statistical comparison with global copper provinces suggests that South Australia *should* include a number of additional deposits
- Exploration challenge: drill-targeting through cover sequences

**MINE SIZE (MILLION TONNES OF COPPER Equivalent):  
SOUTH AUSTRALIA VS OTHER MAJOR COPPER DESTINATIONS**



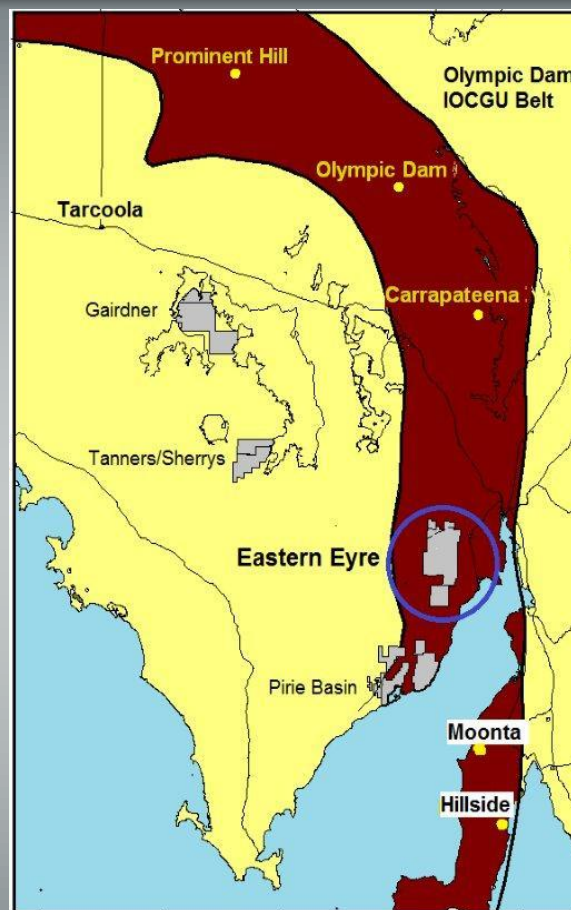
Source: South Australian Department for Manufacturing, Innovation, Trade, Resources and Energy (DMITRE) presentation dated December 2012, citing CRU World Copper Conference, Santiago, 2012 Minex consulting, GSSA projects

# Eastern Eyre Project

## Overview

|                       |                                        |
|-----------------------|----------------------------------------|
| Tenements & ownership | EL 4721, EL 5012 and ELA 12/263 (100%) |
| Location              | Southern Gawler Craton                 |
| Area                  | 1,305 km <sup>2</sup>                  |
| Primary targets       | IOCGU                                  |

- Premium setting
  - Olympic Dam IOCGU Belt
  - Large landholding
  - Shallow depth-to-basement
- Copper endowment
  - Ore-grade copper and hematite alteration over limited portions of project area previously drilled
- Untapped opportunity
  - Major target zones untested



Olympic Dam IOCGU belt, showing location of Renaissance's Eastern Eyre and other projects in relation to significant IOCGU deposits; resource and reserve figures from DMITRE presentation to Australian Copper Conference, December 2012

### Prominent Hill

214.9 Mt @ 1.23% Cu, 0.5 g/t Au (total resource)

### Olympic Dam

500 Mt @ 1.84% Cu, 570 ppm U3O8, 0.76 g/t Au, 2.8 g/t Ag (total ore reserve)  
9,129 Mt @ 0.86% Cu, 270 ppm U3O8, 0.32 g/t Au, 1.48 g/t Ag (total resource)

### Carrapateena

203 Mt @ 1.31% Cu, 0.56 g/t Au, 6.0 g/t Ag, 270 ppm U3O8 (inferred resource)

### Hillside

214 Mt @ 0.7% Cu, 0.2 g/t Au, 12.4% Fe (inferred resource)

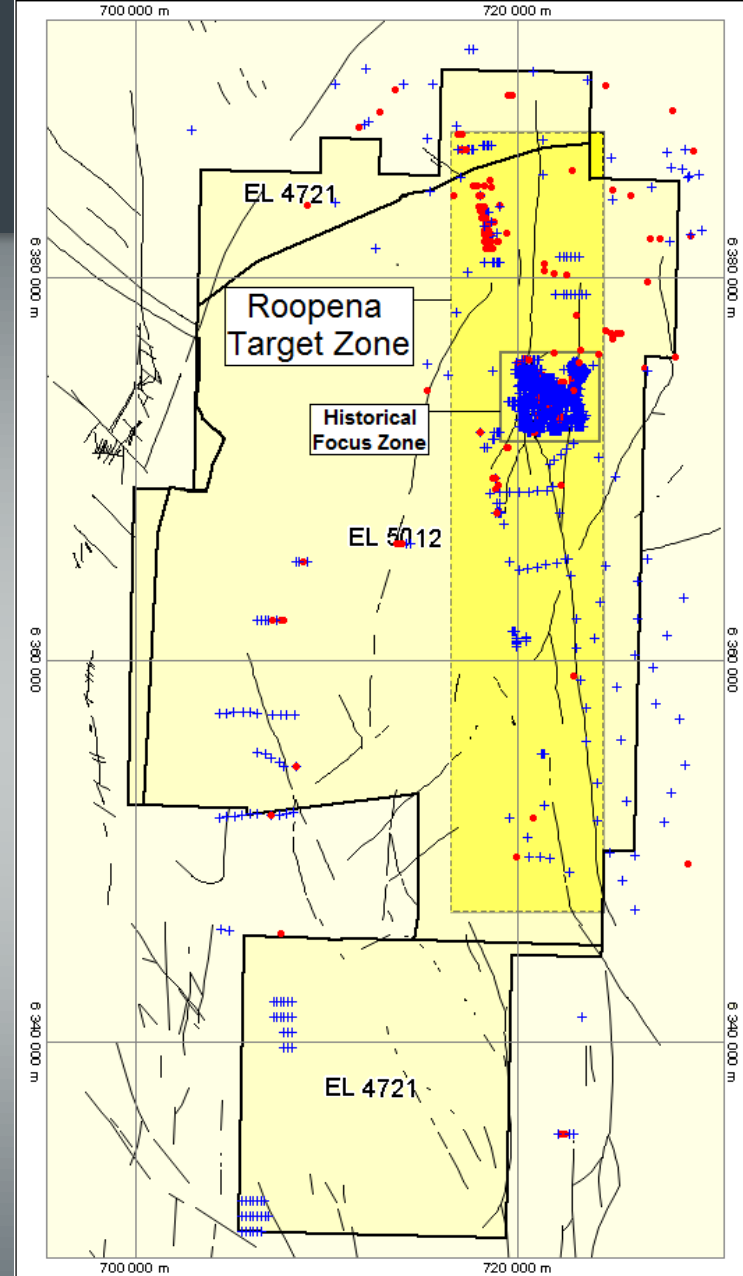


# Eastern Eyre Project

## Untapped potential

- Limited historical targeting
  - 1960s to 1980s exploration focused on near-surface geochemical targeting
  - Limited concentration of drilling
- 2000s: Roopena fault as new target area
  - Geoscience Australia deep seismic survey
    - ✓ Roopena: crustal fault soling out of mantle-cutting Kalinjala Shear Zone
  - New discoveries (e.g., Hillside) highlight importance of structural control
- But exploration access blocked
  - Department of Defence Cultana training area
- Roopena unlocked
  - New exploration protocols permit Renaissance to commence exploration

Eastern Eyre Project (image to right), showing historical drilling ( $\geq 60\text{m}$  in red;  $< 60\text{m}$  in blue) and Roopena target zone



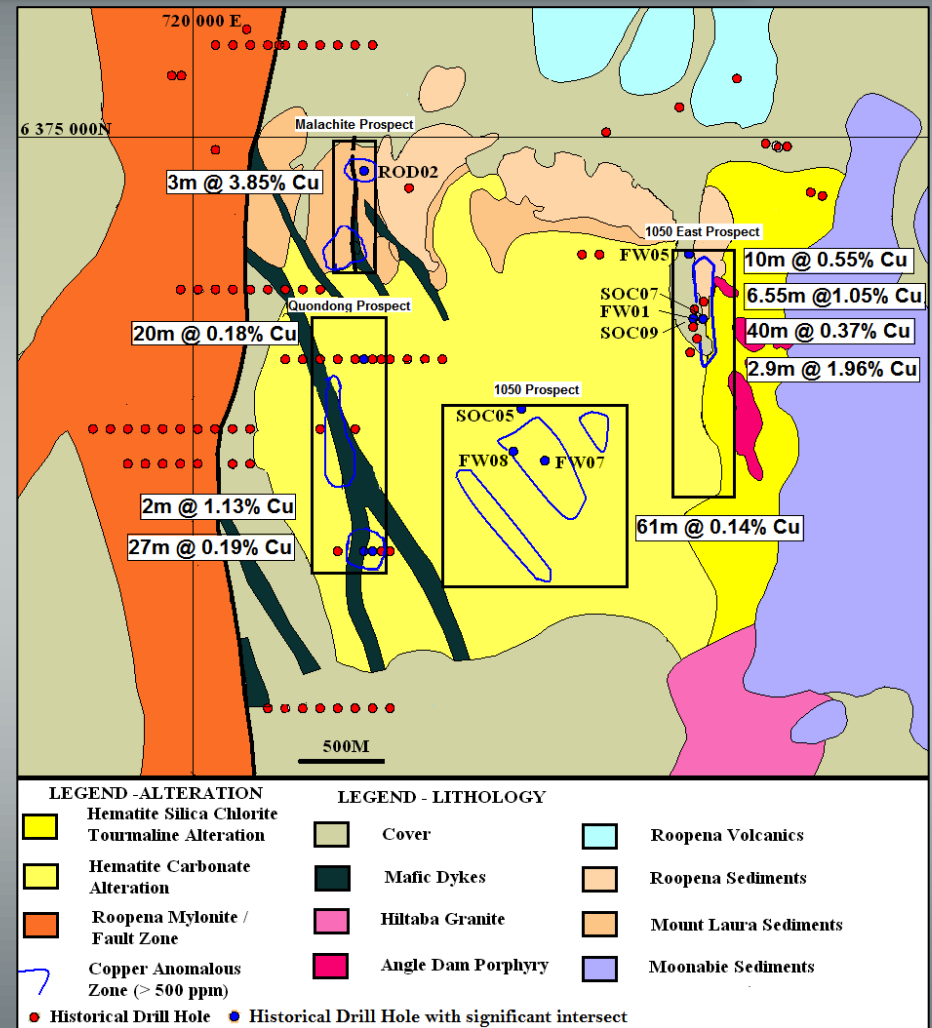


# Eastern Eyre Project

## Targets from historical drilling

- Previous exploration
  - Thousand of metres drilled
  - Generally shallow holes over geochemical targets
- Untested copper zones
  - Multiple areas of +500 ppm Cu
  - 1050 East/1050 prospects
    - ✓ Limited testing at depth intersects anomalous copper and zones of hematite alteration
  - Malachite and Quondong
    - ✓ untested at depth
- Immediate walk-up drill targets

Eastern Eyre Project (image to right), showing selected prospects, drill holes  $\geq 60\text{m}$  and drill results from zone of historical exploration focus



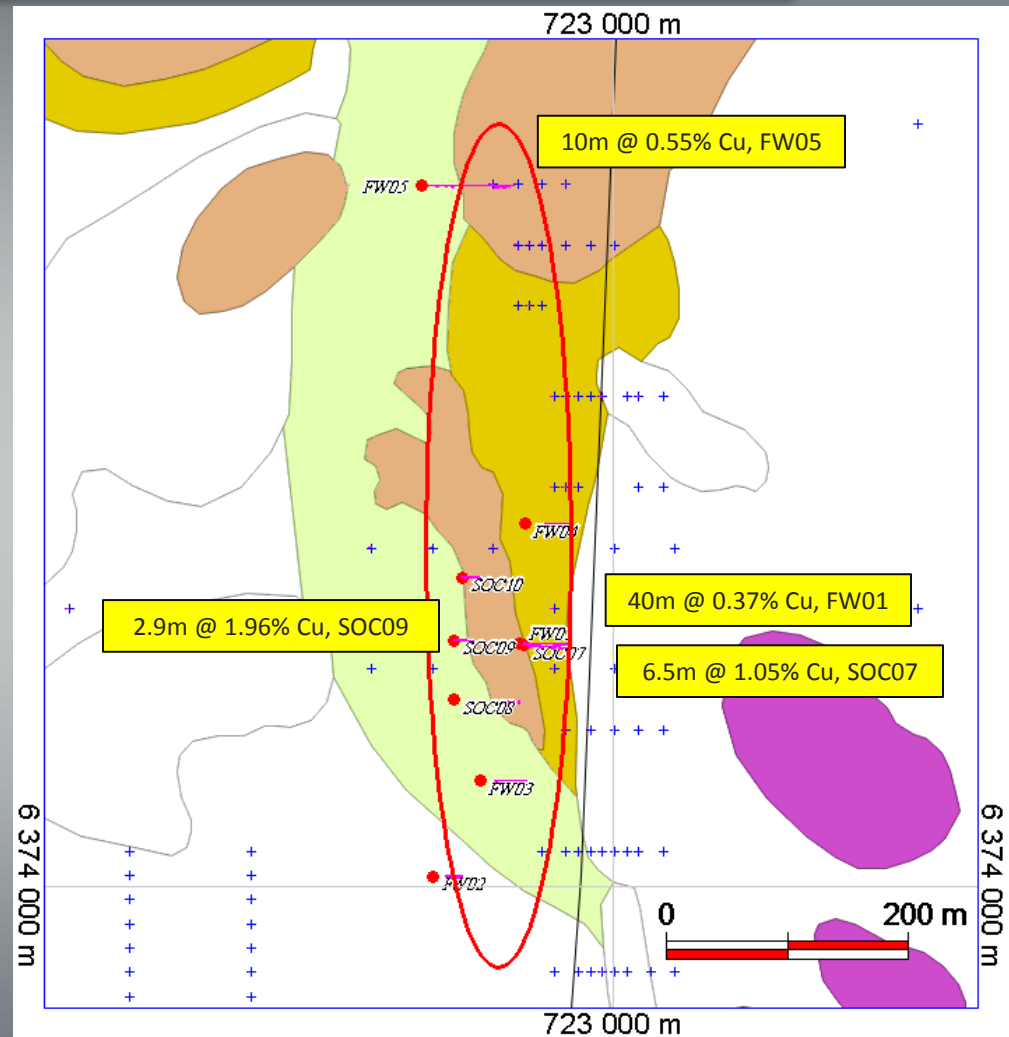
# Eastern Eyre Project

## 1050 East Prospect

### 1050 East

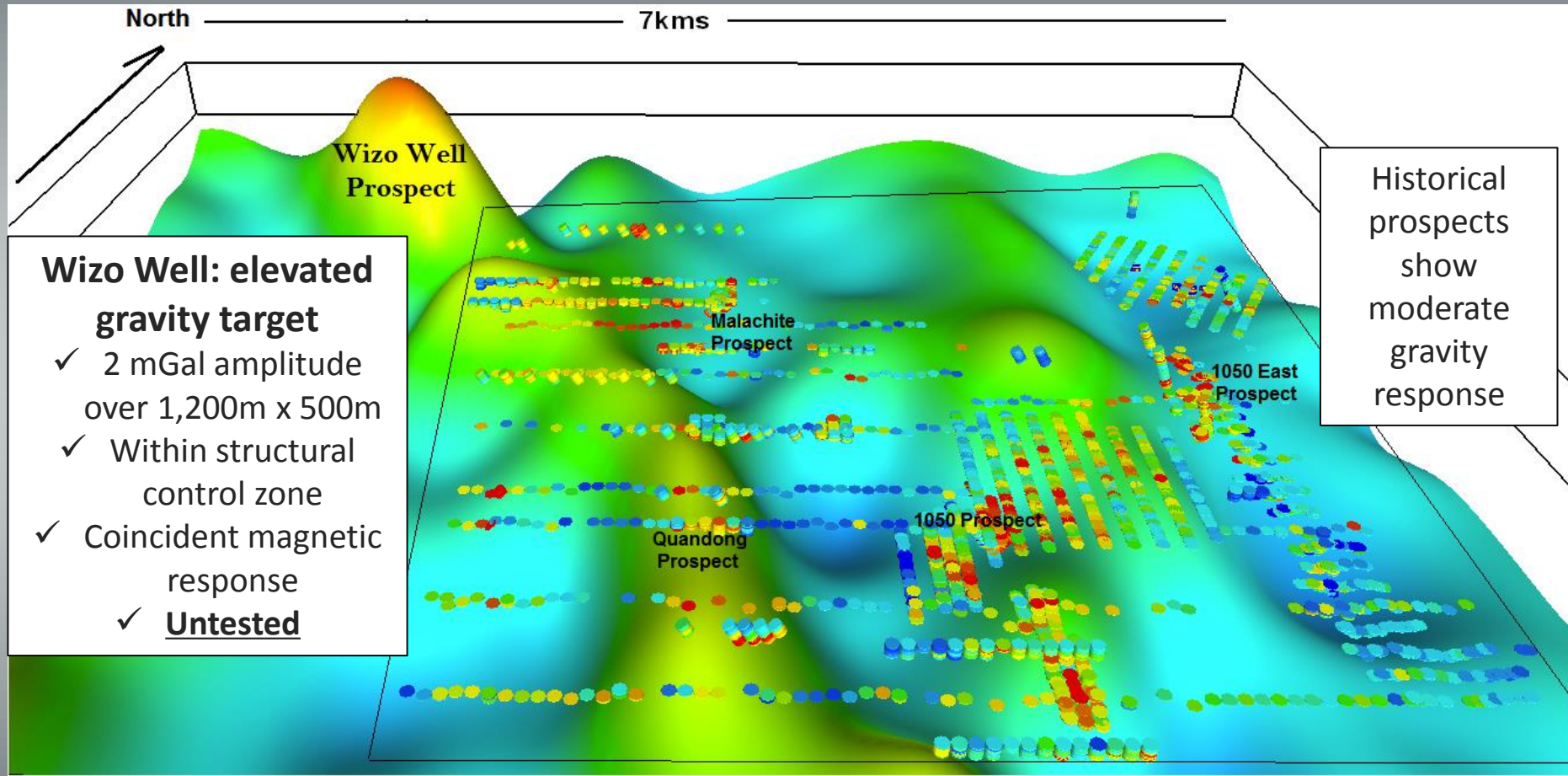
- ✓ Broad, 500m length, +500 ppm Cu zone defined from shallow drilling
- ✓ Limited basement drilling intersects elevated Cu within hematite alteration
- ✓ Anomalous zone provides immediate, untested basement targets for large IOCGU
- ✓ Additional untested drill targets in northern extension to 1050 East, along faulting system

1050 East prospect (right), showing anomalous copper zone and drill holes of  $\geq 60\text{m}$  depth



# Eastern Eyre Project

## Gravity – Wizo Well



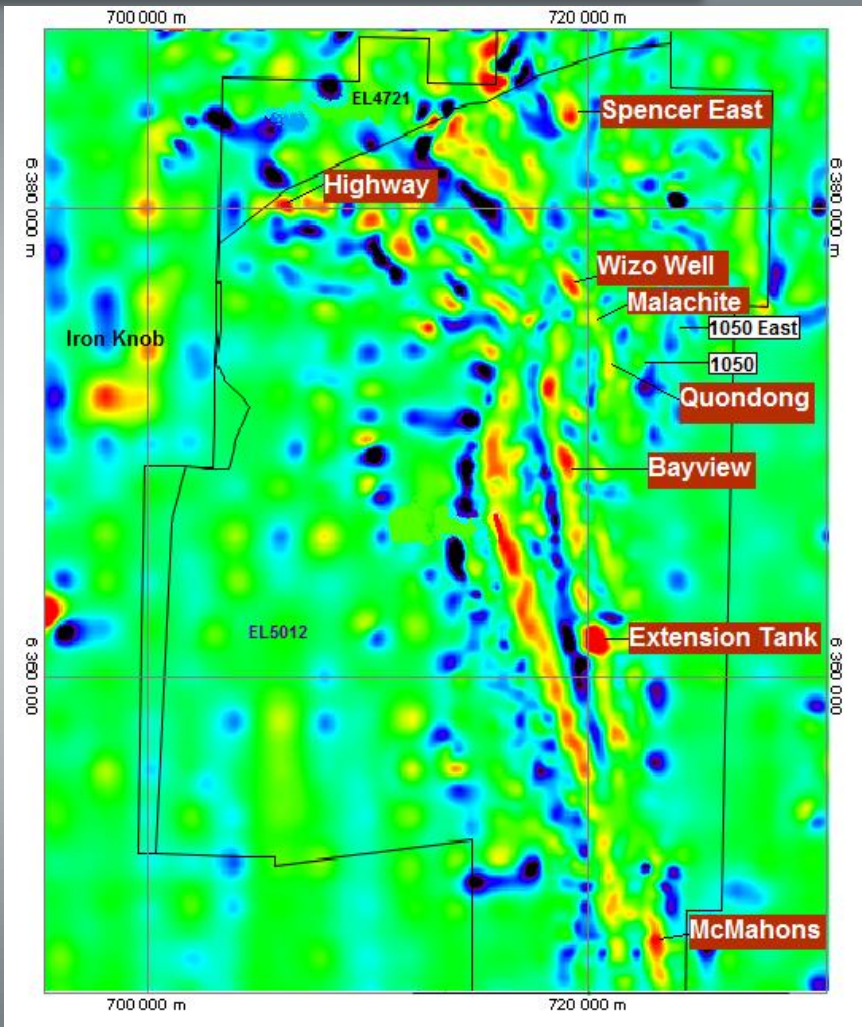
Three dimensional gravity image, showing historical geochemical targets in comparison to Wizo Well prospect

# Eastern Eyre Project

## Gravity targets

- Multiple stand-out gravity targets
  - Widespread over Roopena target zone
- Several coincident with geochemical and magnetic prospects
- Prime IOCGU drill targets

Gravity image (right), showing gravity and geochemical targets



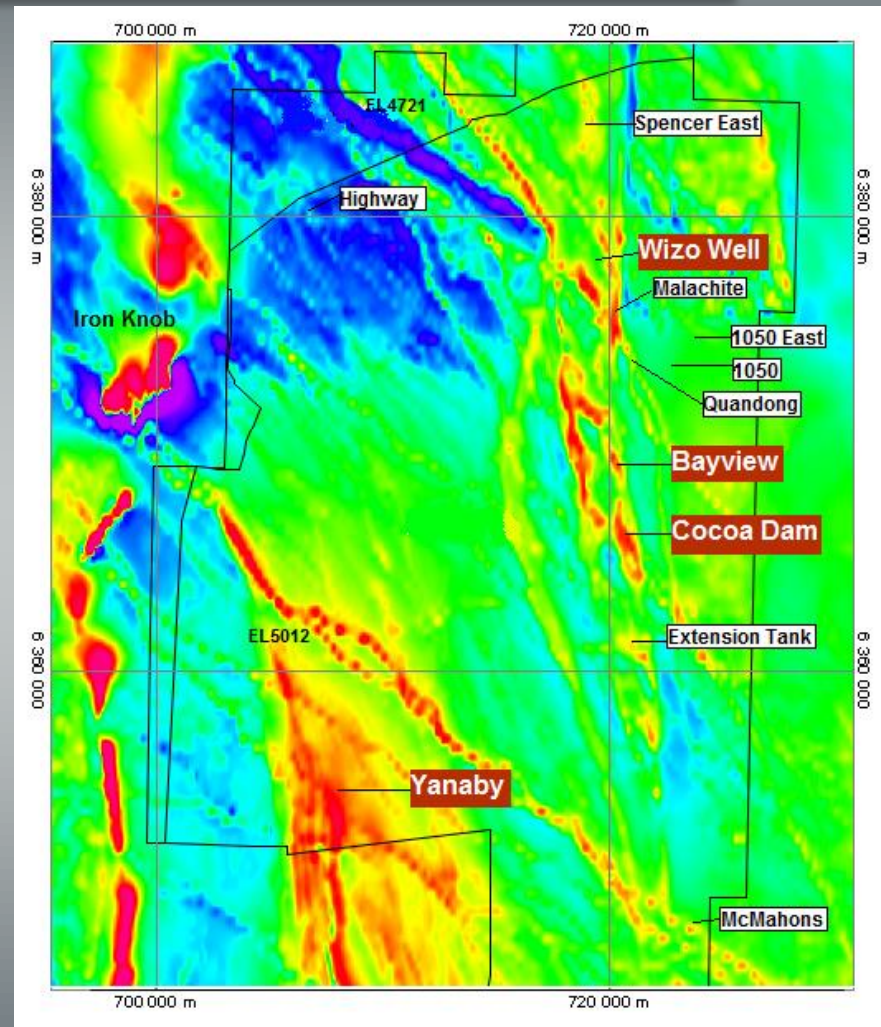


# Eastern Eyre Project

## Magnetic targets

- Magnetic prospects
  - Multiple high magnetic zones coincident with fault systems
- IOCGU expression
  - Comparable magnetic signature to Rex's Hillside deposit
- Untested at depth
- Immediate drill targets

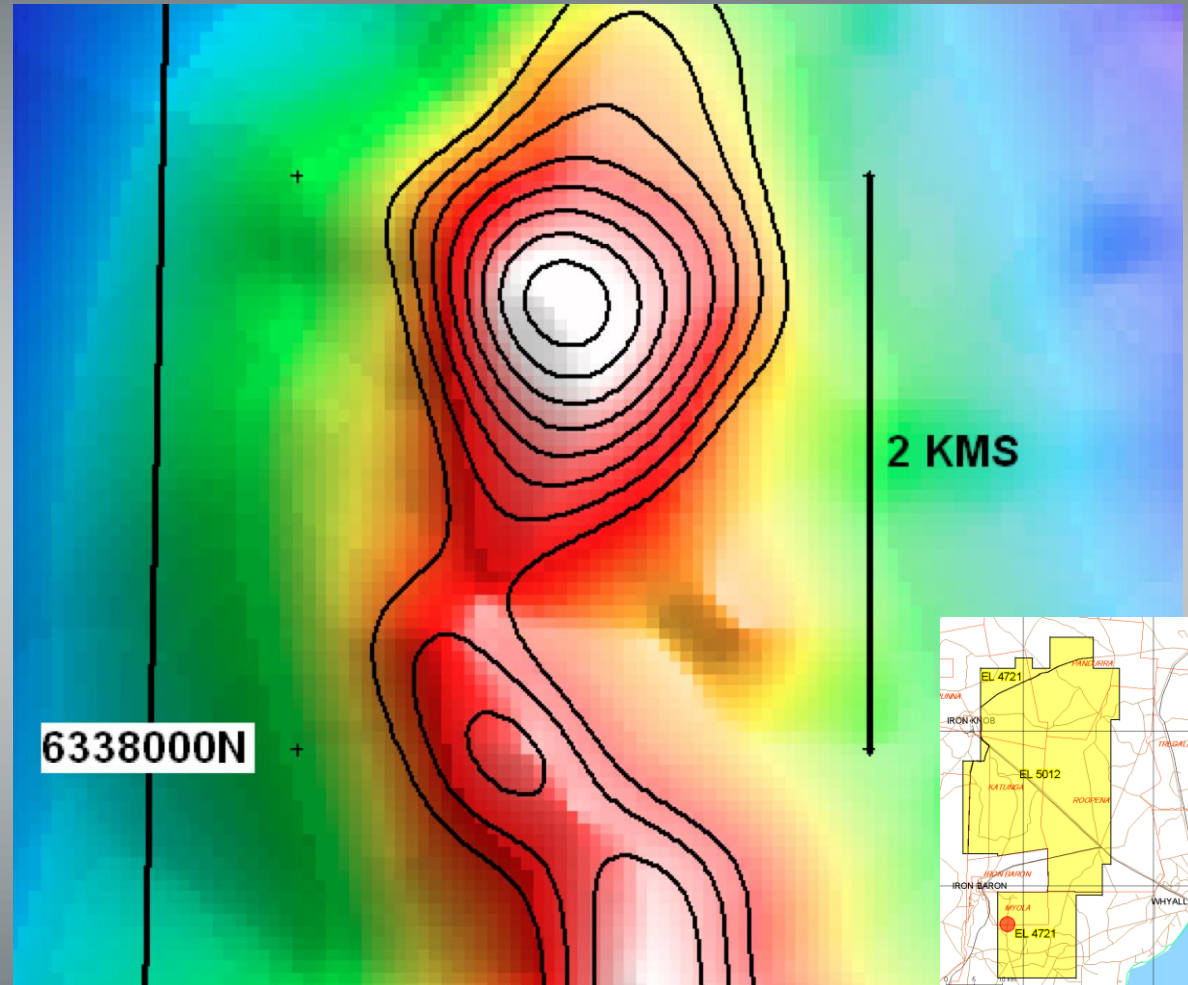
Magnetic image (right), showing magnetic , gravity and geochemical targets



# Eastern Eyre Project

## Nilginee prospect

- Standout gravity anomaly identified in southern project area
  - 3 milliGal amplitude over 3 km<sup>2</sup>
  - Anomaly centre coincident with magnetic anomaly and elevated gold
  - Within 8 km of Arrium's Moola copper prospect
- Additional high priority, drill-ready target

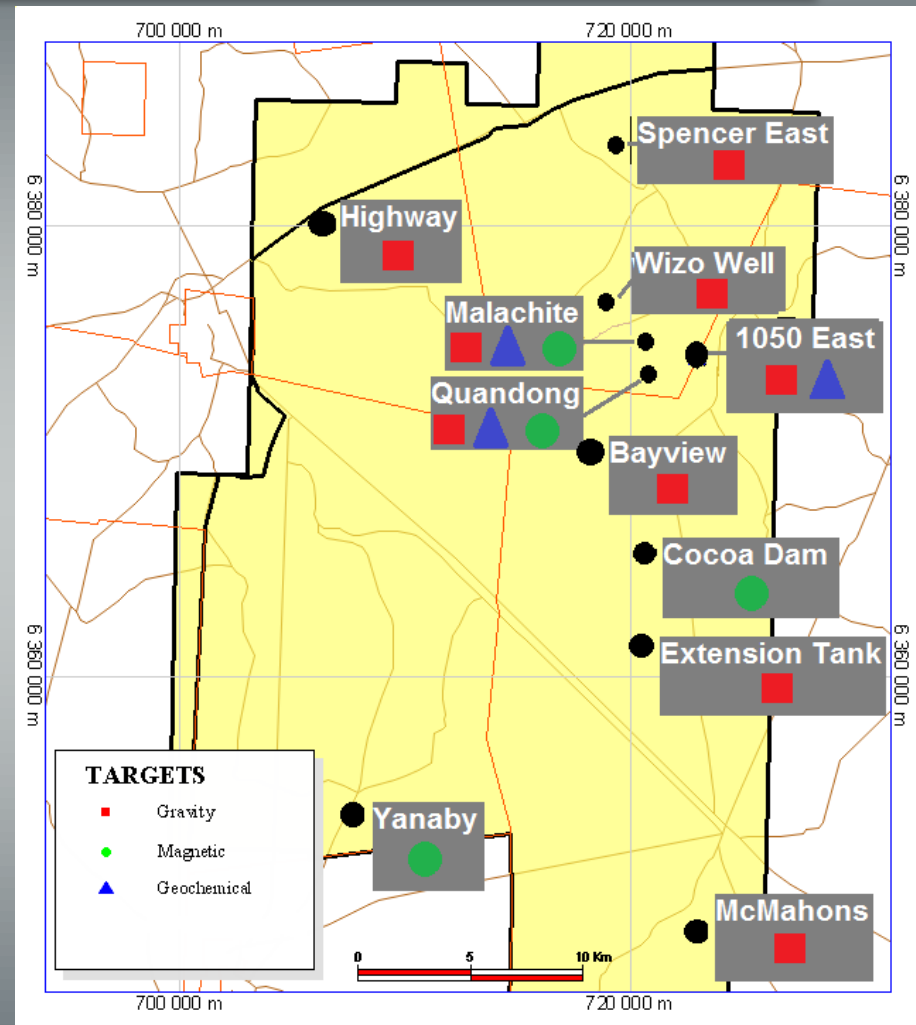


Gravity image for Nilginee prospect

# Eastern Eyre Project

## Summary

- Multiple premium IOCGU targets
  - Olympic Dam IOCGU Belt
  - Coincident anomalies
    - ✓ Structural control
    - ✓ Geochemistry
    - ✓ Gravity
    - ✓ Magnetics
- Untested
- Drilling scheduled to commence in June





# Important notice

## **Forward Looking Statements**

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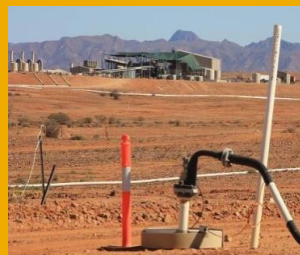
## **Competent Persons Statement**

The exploration results in this Presentation, insofar as they relate to mineralisation, are based on information compiled by Mr G. W. McConachy (fellow of the Australasian institute of Mining and Metallurgy) who is a director of the Company. Mr McConachy has sufficient experience relevant to the style of mineralisation and type of deposits being considered to qualify as a competent person as defined by the 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC code, 2004 edition). Mr McConachy consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

# Renaissance Uranium Limited

ASX code: RNU

## Uranium Exploration in South Australia



Presented at the Australia  
China Minerals Investment  
Summit

21 May 2013

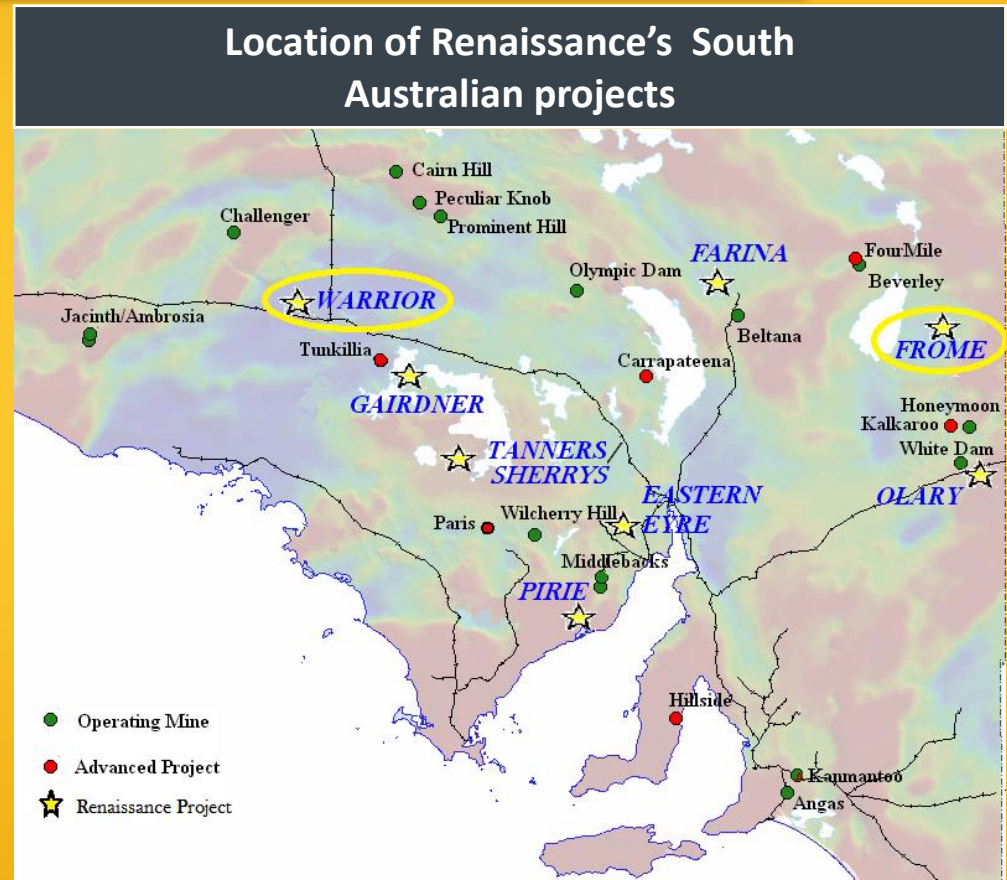
David Christensen, Managing Director

**AUSTRALIA CHINA**  
Minerals Investment Summit  
澳中南北资源投资论坛

# Renaissance Uranium

## Summary

- Renaissance Uranium is a multi-commodity explorer focused on discovery opportunities in key mineral provinces of its home state, South Australia
- Management experienced and highly successful in South Australia
  - Ex-Heathgate/Quasar Resources
  - Beverley uranium mine and Four Mile uranium discovery
  - Carrapateena IOCGU discovery
- Project portfolio includes high-upside uranium projects
  - Major position in Frome Basin (near Beverley/Four Mile)
  - Advanced uranium project in Gawler Craton



# Corporate profile

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- Shares on issue 114.8m
- Options 14.3m\*
- Cash (31 March 13) \$3.1m
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750,000 @ \$0.054, expiring 30 April 2016.

# Management

## Successful track-record in uranium

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>David Christensen</b><br><i>Managing Director</i>   | <ul style="list-style-type: none"><li>• Experienced uranium mining executive, with recent successful experience managing uranium exploration, mining and marketing operations</li><li>• Previously CEO of Heathgate Resources and Quasar Resources</li><li>• Other past roles include President of uranium trading and marketing company, Nuclear Fuels Corporation</li></ul>                                                                                                                                |
| <b>Geoff McConachy</b><br><i>Executive Director</i>    | <ul style="list-style-type: none"><li>• Geologist with over 30 years experience in the mining industry assessing uranium and a range of other commodities</li><li>• Previously Managing Director, Exploration of Heathgate Resources</li><li>• Leader of the exploration and development team of Quasar Resources, for which he was co-honored as Prospector of the Year by Australian Association of Mining and Exploration Companies for Four Mile discovery</li></ul>                                     |
| <b>Chris Anderson</b><br><i>Geophysicist</i>           | <ul style="list-style-type: none"><li>• Experienced geophysicist with over 30 years experience in uranium and other commodities in Australia and overseas</li><li>• Recent experience includes instrumental role in discovery of the Carrapateena copper-gold-uranium discovery</li><li>• Past experience includes extensive work with RNU personnel in initiating Arkaroola uranium exploration program and implementation of geophysical exploration for extensions to Beverley uranium ore body</li></ul> |
| <b>Angelo Gaudio</b><br><i>Chief Financial Officer</i> | <ul style="list-style-type: none"><li>• Senior finance manager, with extensive experience in uranium operations and management</li><li>• Previously Vice-President, Finance and Administration at Heathgate Resources</li><li>• Experience includes management of accounting, finance and procurement of Heathgate from inception of Beverley uranium mine in 1999 until departure for RNU in 2011</li></ul>                                                                                                 |



# Uranium exploration

## Frome Basin

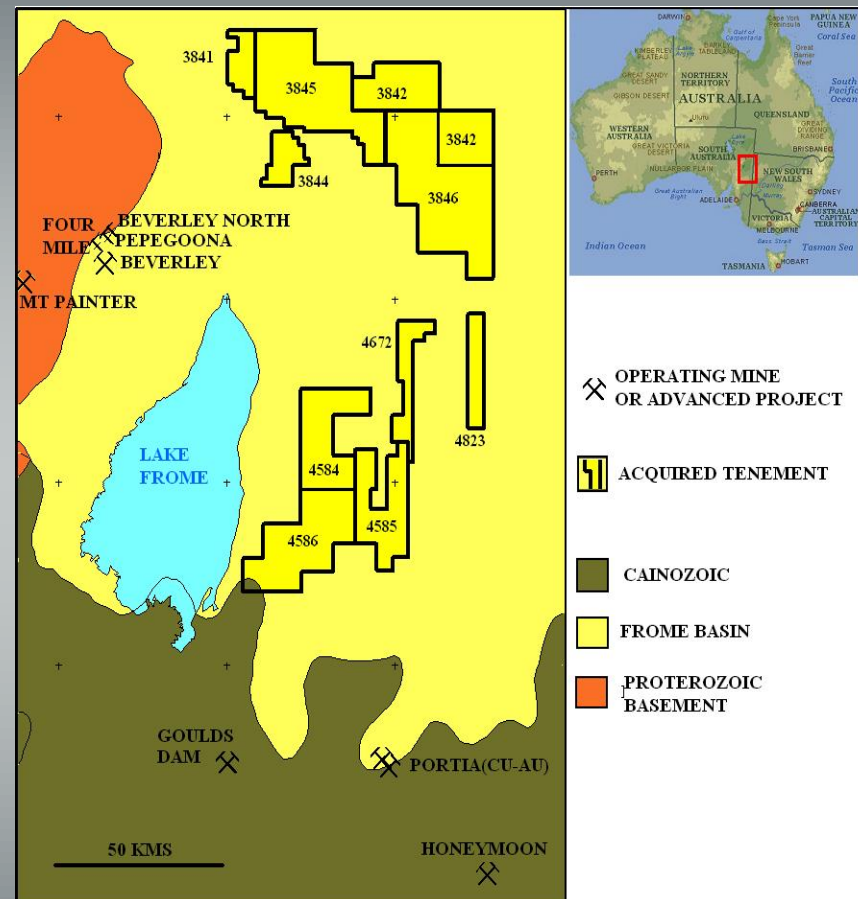
|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| Tenements & ownership | ELs 3841, 3842, 3844, 3845, 3846, 4584, 4585, 4586, 4672 and 4823 (100%, subject to net smelter royalty of 0.5%-2%) |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|

|          |                 |
|----------|-----------------|
| Location | From Basin (SA) |
|----------|-----------------|

|      |                       |
|------|-----------------------|
| Area | 4,218 km <sup>2</sup> |
|------|-----------------------|

|                 |                          |
|-----------------|--------------------------|
| Primary targets | Sandstone hosted uranium |
|-----------------|--------------------------|

- Major strategic position in uranium-rich Frome Basin
- Prospective for sandstone hosted uranium, same style as multiple nearby deposits
  - Beverley uranium mine (46.3 million pounds @ 0.27% U<sub>3</sub>O<sub>8</sub>)
  - Four Mile (70.5 million pounds @ 0.33% U<sub>3</sub>O<sub>8</sub>)
  - Beverley North and Pepegoona (8.8 million pounds @ 0.18% U<sub>3</sub>O<sub>8</sub>)



Frome Basin Project, showing location in relation to nearby uranium deposits

# Uranium exploration

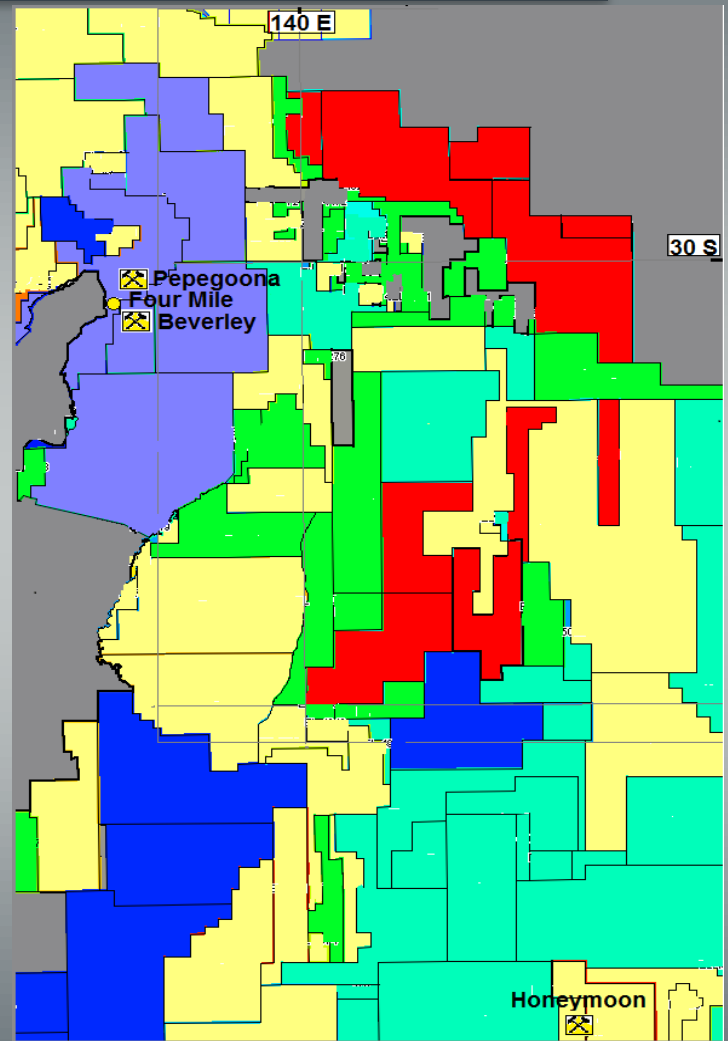
## Frome Basin

- Even in weak market, Frome Basin remains prime uranium exploration territory
- Land controlled by major uranium companies and explorers

### Legend

|                  |         |
|------------------|---------|
| Renaissance      | Havilah |
| Heathgate/Quasar | Marmota |
| Areva            | Others  |

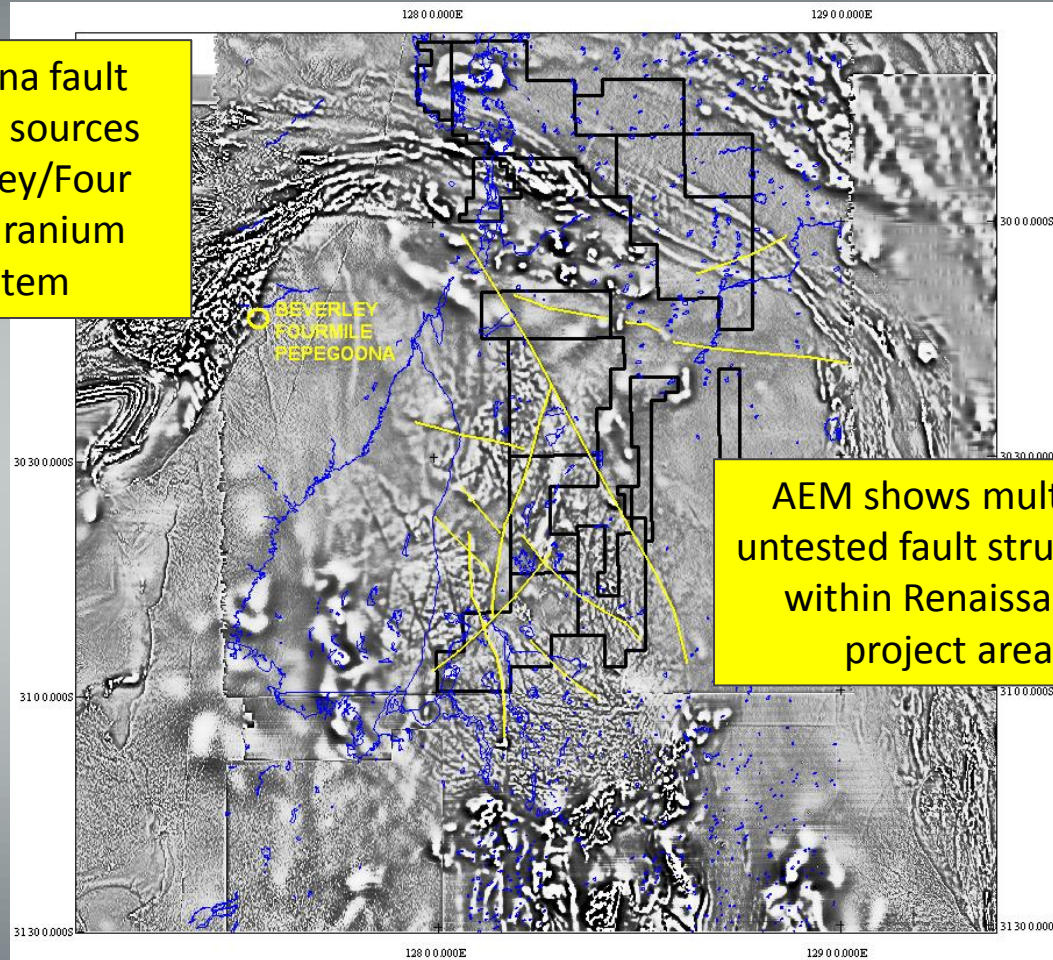
Tenement map (right), showing key areas of Frome Basin and land positions of key controlling interest holders



# Uranium exploration

## Aeromagnetic targeting

Paralana fault system sources  
Beverly/Four  
Mile uranium  
system



AEM shows multiple  
untested fault structures  
within Renaissance  
project area

Frome Basin Project, aeromagnetic image showing interpreted faulting systems

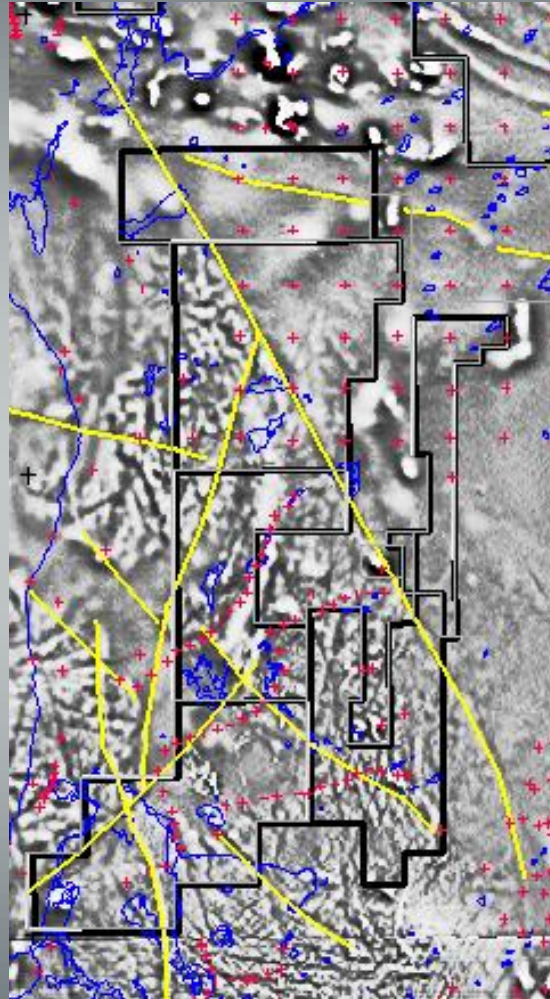
# Uranium exploration

## Immediate target zones

Basement faults  
comparable to the Four  
Mile and Pepegooona  
setting

Targeted faulting system  
and Four Mile  
stratigraphy remain  
relatively untested

**Immediate drill  
targets**



Frome Basin Project, showing  
historical drilling over interpreted  
fault system

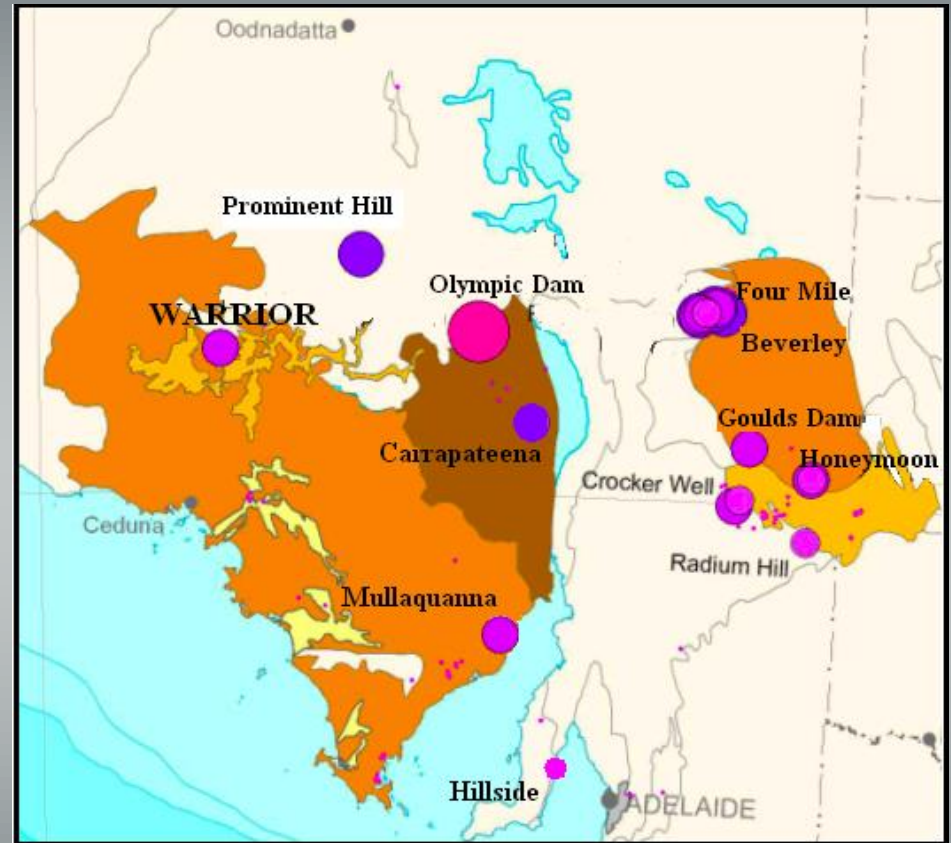


# Uranium exploration

## Warrior

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Tenements & ownership | ELs 4570 and 4707 (100%, subject to 1% net smelter royalty) |
| Location              | Central Gawler Craton (SA)                                  |
| Area                  | 433 km <sup>2</sup>                                         |
| Primary target        | Sandstone hosted uranium                                    |

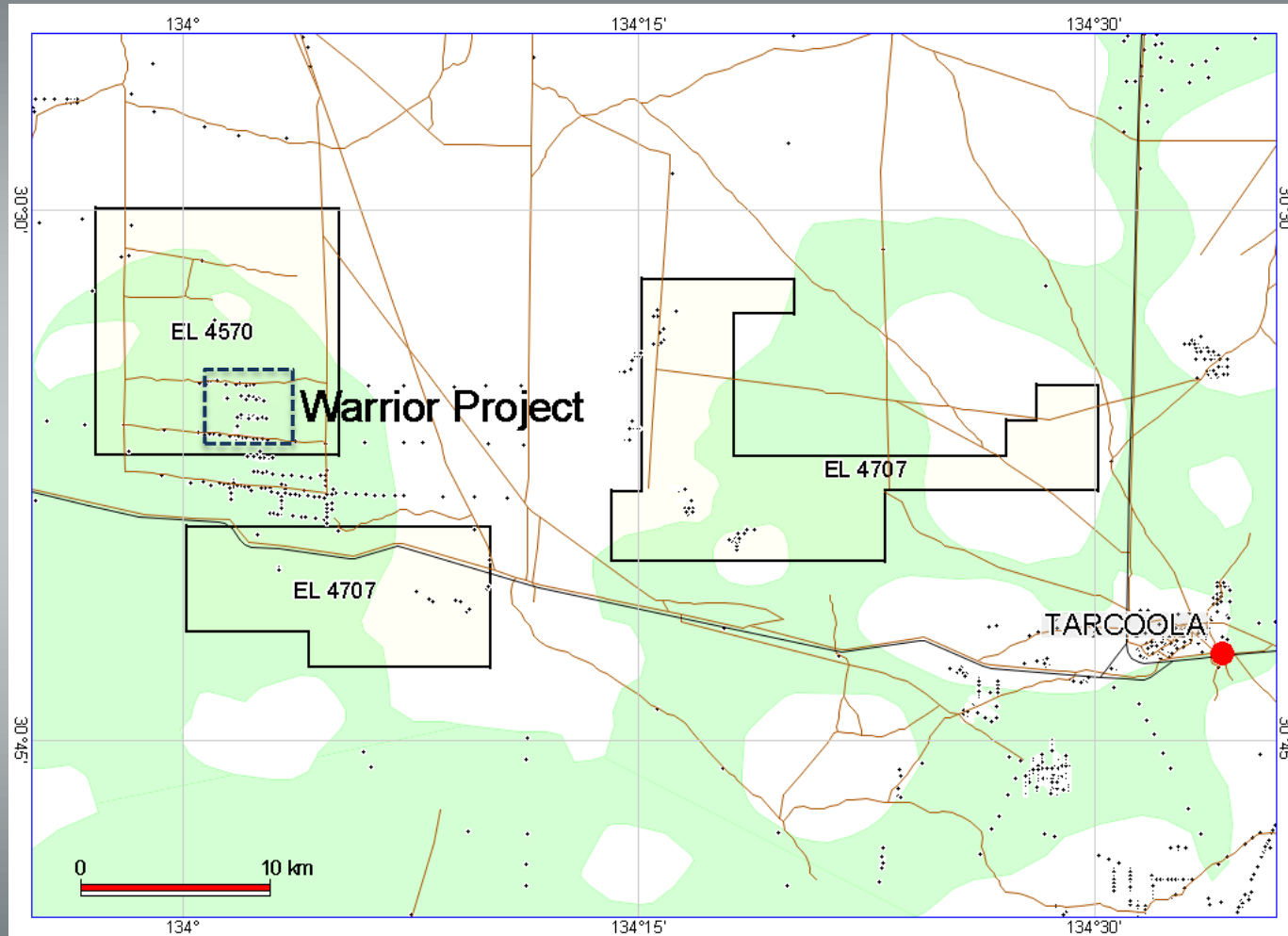
- Historic uranium project
  - Discovered in 1970s by PNC Exploration
  - Extensively drilled, with seven zones of widespread uranium mineralisation
- Limited modern exploration
- Two-fold opportunity
  - Modern exploration methods to recalibrate (and enhance) grade
  - Extend size of project through additional drilling of established paleochannel



Map of significant uranium occurrences (from Geoscience Australia), showing Warrior project and other South Australian uranium projects

# Warrior Project

## Location and geology

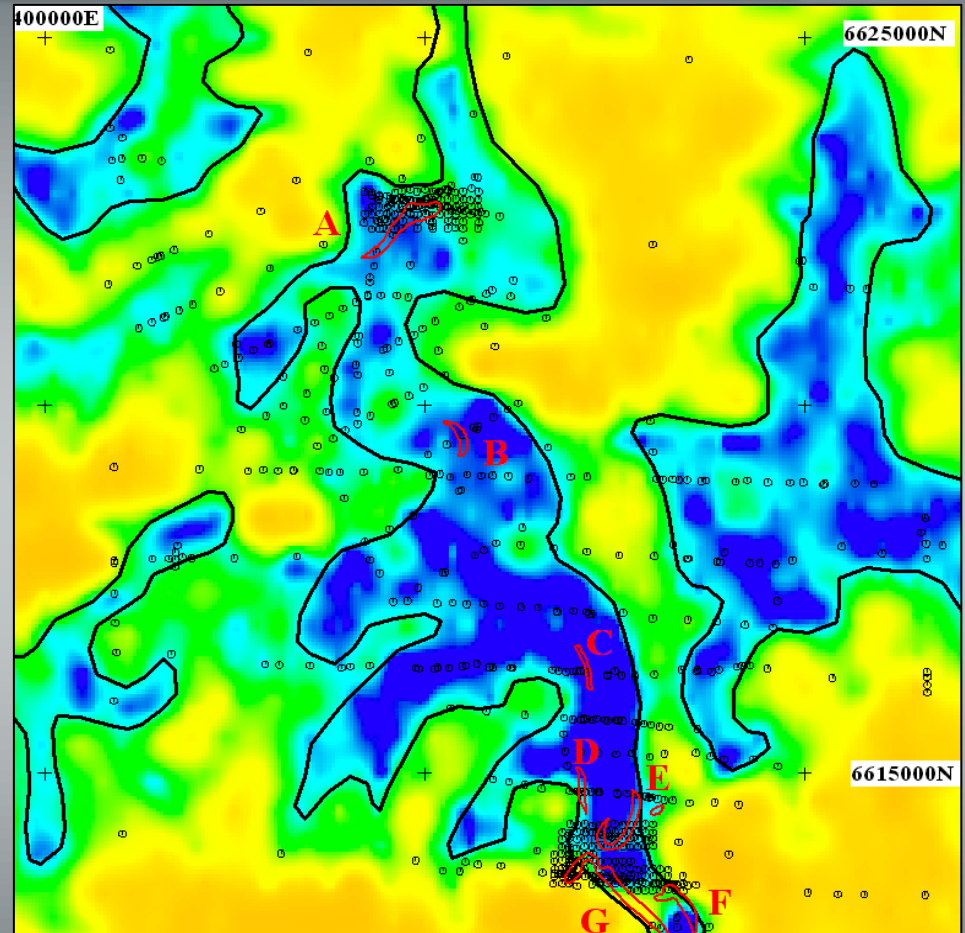




# Warrior Project

## Historical exploration

- Discovered by PNC Exploration in 1970s
  - Former Japanese government-sponsored uranium explorer
  - +500 drill holes
- 15 km uranium-bearing paleochannel
  - Seven zones of uranium mineralisation
  - Near-surface (<30m)
  - Carbonaceous sediments associated with interpreted redox zone
- Non-JORC standard
  - Abandoned by PNC in early 1980s (during low-priced, ~US\$10/pound uranium era)
- Limited modern exploration
  - 2006 – 2008 drilling in areas A and G
  - Modest uranium grades confirmed
    - ✓ Assays from 135 ppm to 914 ppm  $U_3O_8$  over 1m intervals

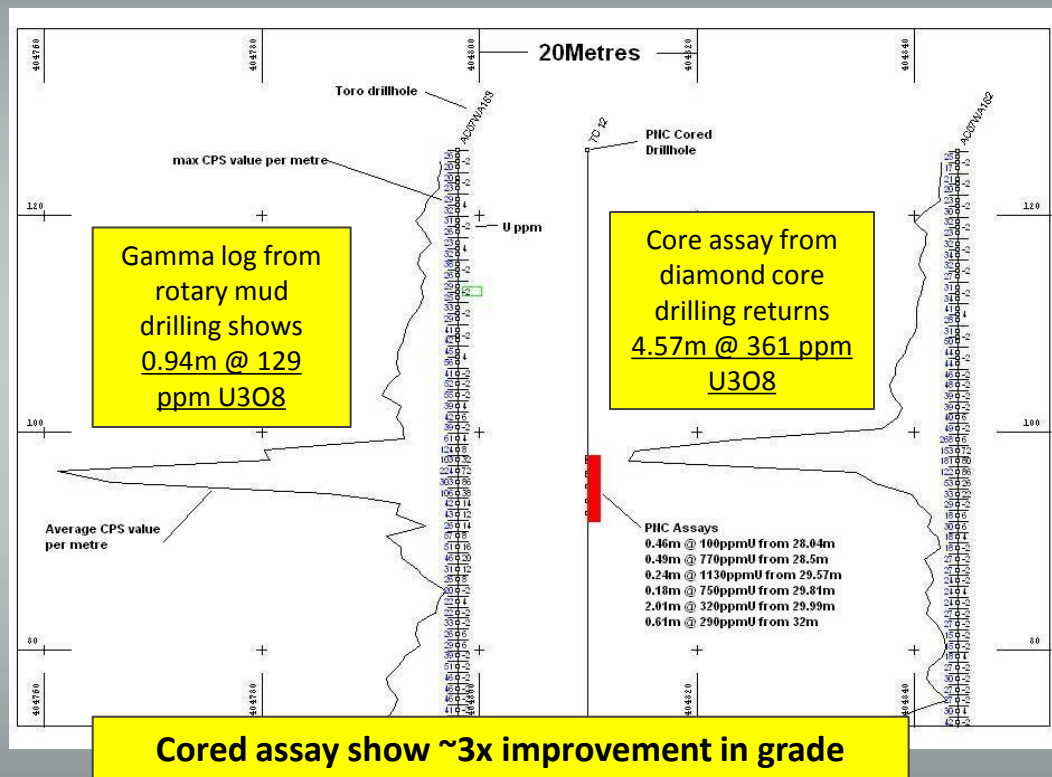


Warrior paleochannel, showing uranium-mineralised zones (A through G), as identified by PNC, over airborne electromagnetic conductivity image

# Warrior Project

## Grade review

- Historical difficulties with grade assessment
  - PNC drilling used traditional down-hole gamma logging and calibration-offsite
    - ✓ “Disequilibrium” common in sandstone environments
  - Later exploration used limited coring
- More accurate modern assessment
  - Use of prompt fission neutron tool
  - Expanded coring
  - Renaissance experienced from Beverley/Four Mile
- Comparison of gamma logs to limited coring suggests upgrade potential

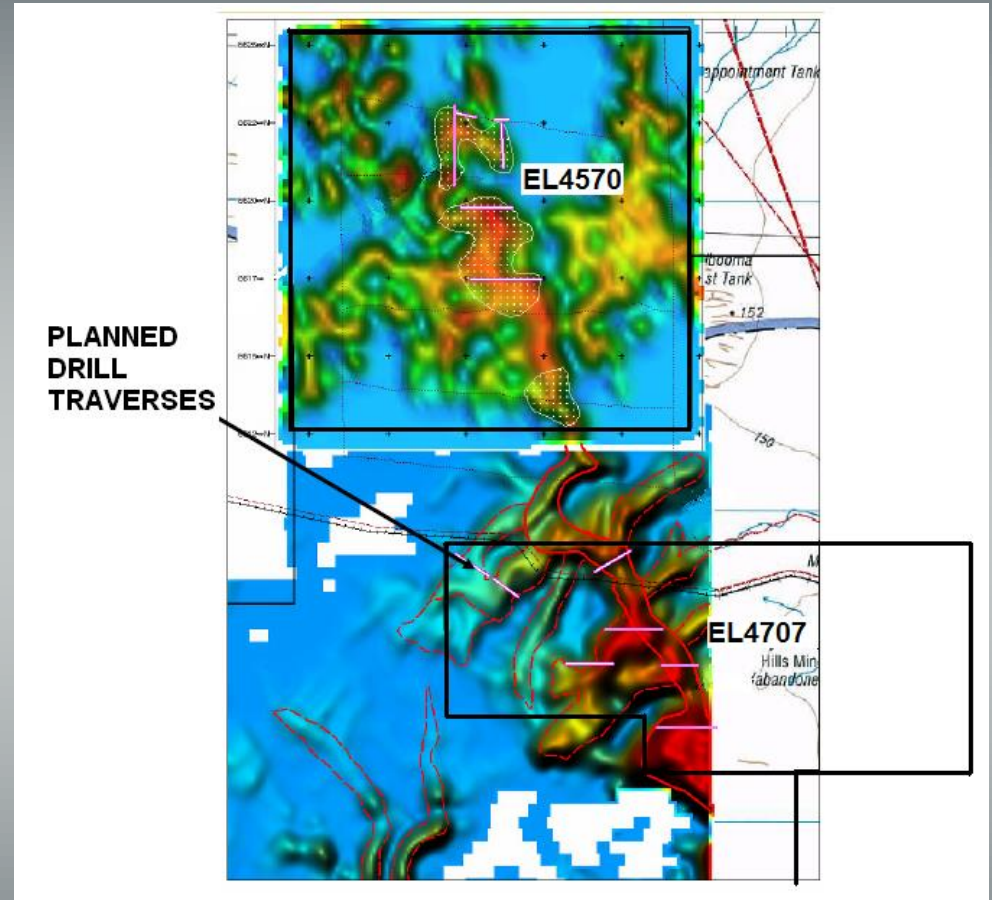


Drill logs comparing results from two nearby holes: (i) rotary mud with gamma log (hole LHS on right) and (ii) diamond core with lab assay (hole TC12 on left)

# Warrior Project

## Upside exploration potential

- Extended paleochannel
  - Electromagnetic survey implies extensions to uranium-bearing paleochannel
- Multiple untested target zones
- Opportunity to expand scope
  - Best case: expand grade and scale of project
  - Fallback: increase scale to justify extraction of lower grade resource

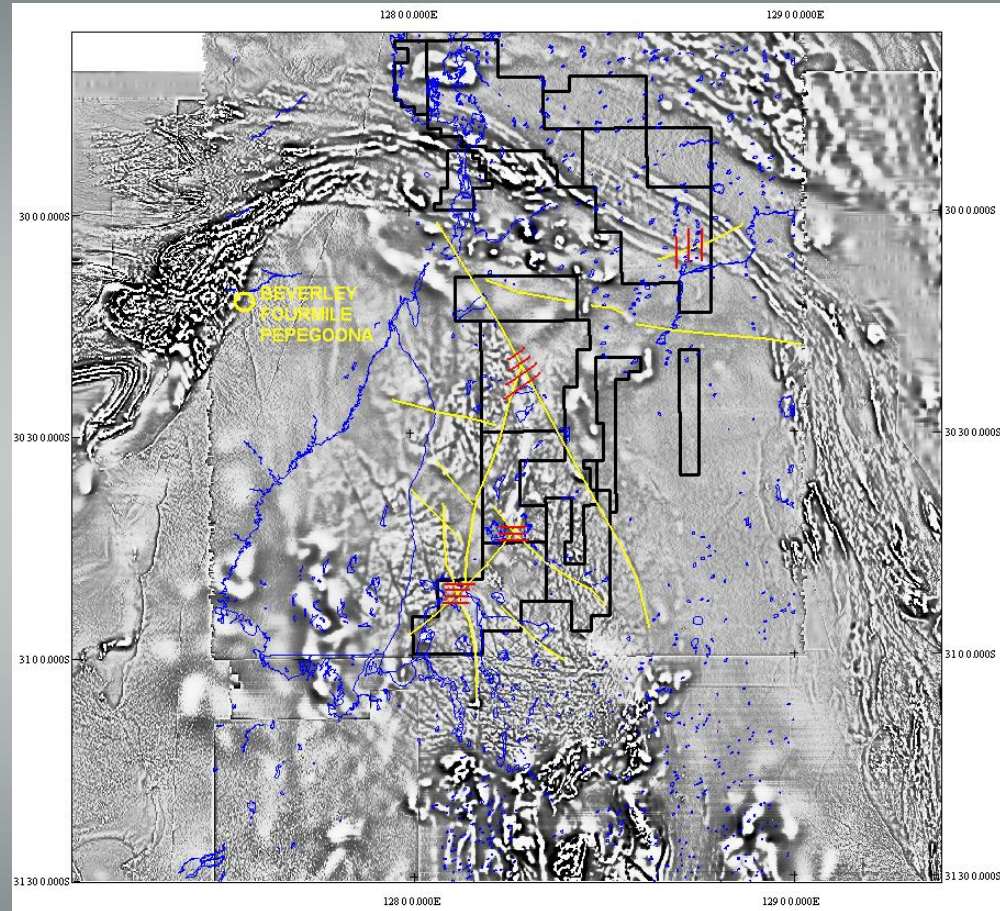


Aeromagnetic image showing interpreted paleochannel and proposed stage one drill sites

# Uranium exploration

## Proposed work programs

- Frome Basin Project
  - Reprocess existing AEM data
  - Drill test defined targets
    - ✓ Untested structural targets from magnetic surveys
    - ✓ New targets defined from AEM
- Warrior Project
  - Validate grade through rotary mud drilling and PFN logging
  - Drill along extensions to paleochannel
- Next steps
  - Renaissance open to joint ventures with finance partners to advance uranium projects



Frome Basin Project, showing proposed drill traverses in red



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