Renaissance Uranium

Exploration in the Olary Province and Gawler Craton

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South Australian Exploration and Mining Conference

2 December 2011

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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.

Corporate

- ASX code — RNU
- Shares on issue — 113,250,000
- Options — 13,550,000 (@ $0.24)
- Share price — $0.055 *
- Market capitalisation — $6.2 million *
- Cash — $6.7 million *
- Top 20 shareholders
  - 15 Dec. 10 (IPO) — 73%
  - 1 Dec. 11 — 65%

* As at 1 December 2011

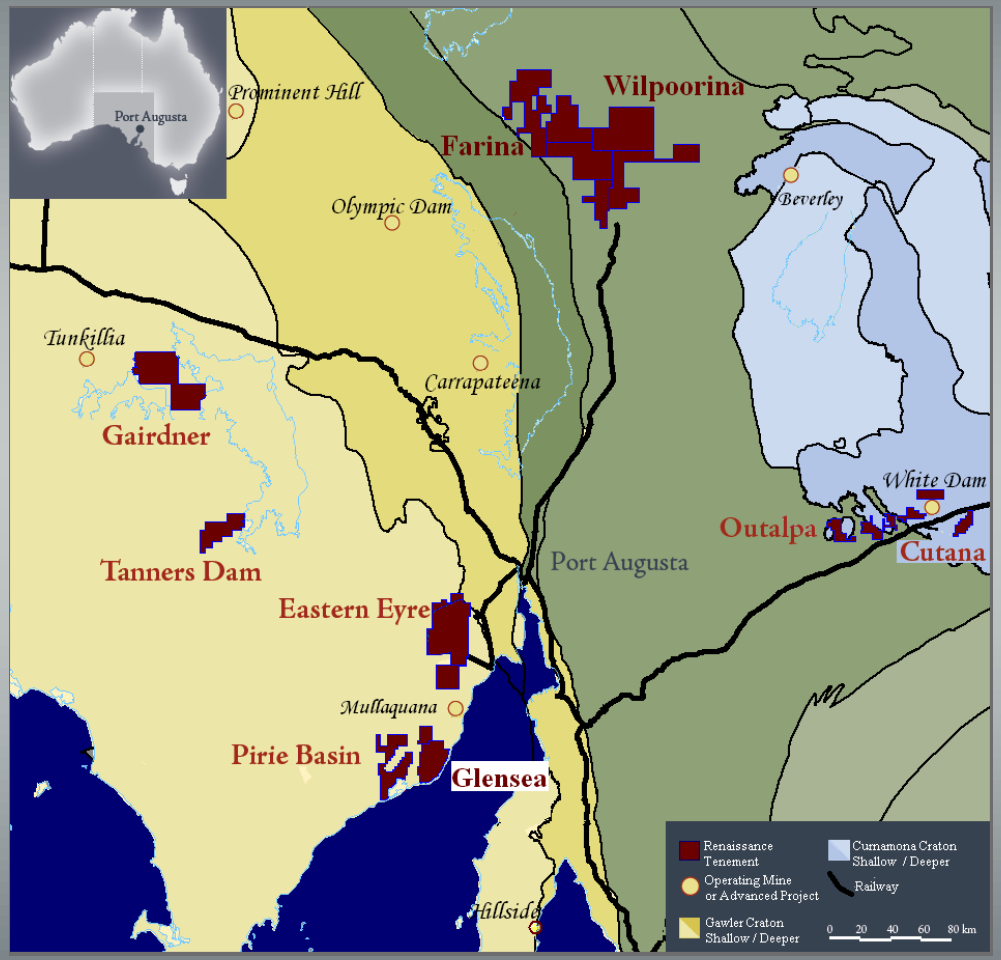
Highlights

- Listed in December 2010
  - $8 million raised in oversubscribed IPO
  - Focus: sandstone-hosted uranium, IOCGU
- Successful transition from greenfield to advanced, drill-stage
- Multiple opportunities for value from imminent drilling
  - Near-term gold (Cutana)
  - Sandstone-hosted uranium (Pirie Basin)
  - IOCGU (Gairdner)
- Next stage is fully funded

Drilling at Pirie Basin Project

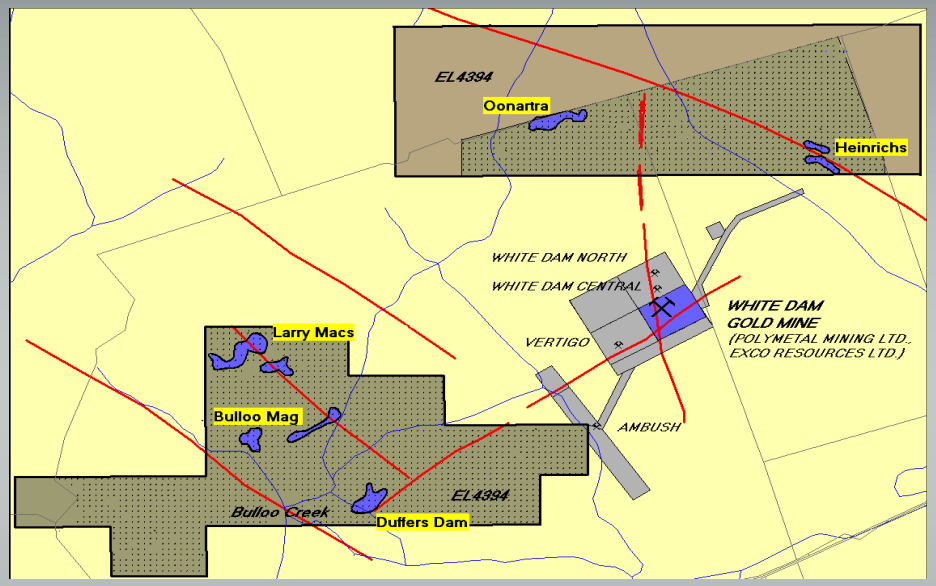
Projects Overview

- Large gold, uranium and copper tenement position in South Australia and the Northern Territory
- 2011: Transition from greenfield to advanced exploration
- Olary Province and Gawler Craton: well-suited to RNU strategy for mineral exploration
  - Accessible
  - Supportive regulatory environment
  - Highly enriched mineral provinces
  - Suitable for deployment of advanced exploration techniques
  - Not adequately tested



Cutana Project
Overview

- Location: Southern Curnamona Province (SA)
- Tenement: EL 4394 (100%)
- Area: 282 km^2
- Target: Gold, located in Proterozoic basement
- Exploration model
  - Basement under shallow cover
  - Close-spaced multi-element soil sampling
    - Cost-effective geochemical sampling of basement
    - Not previously employed at less than 500 metres

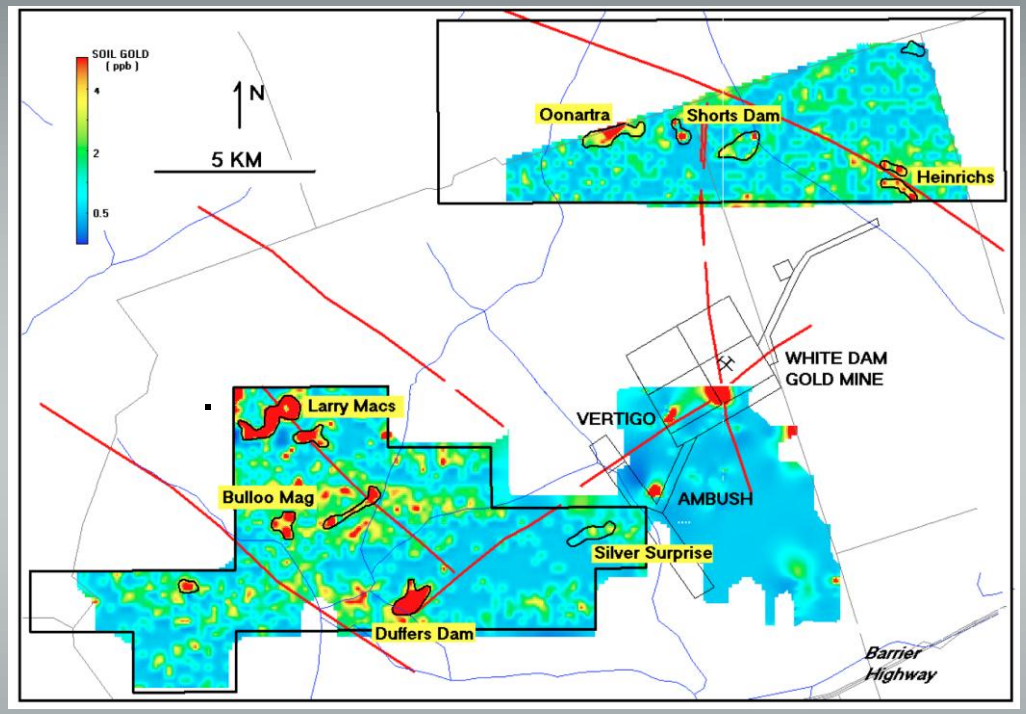


Cutana Project. Detailed sampling and defined gold prospects

Goal: Locate shallow, White Dam-style gold deposits

Cutana Project
First-pass soil geochemical results

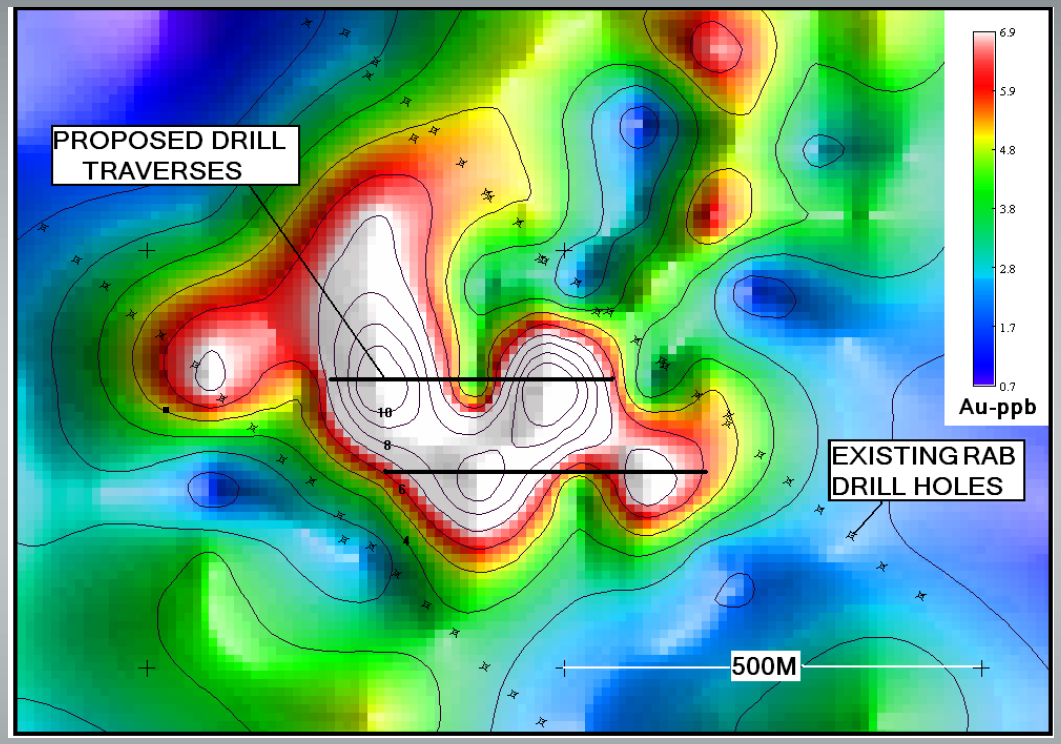
- Multi-element sampling over major interpreted structures at 200 metre intervals
- Multiple zones of strongly anomalous gold
- Prospects located north and southwest of Exco and Polymetal's White Dam gold mine
- Comparable gold geochemistry to Exco and Polymetal's Vertigo and Ambush prospects



Soil gold results for Cutana Project, merged with open file data for Exco and Polymetal's Vertigo and Ambush gold prospects

Cutana Project
Infill soil geochemical results

- 50 to 100 metre multi-element sampling over anomalous zones identified from 200 metre program
- Five high priority targets identified
- Target dimensions: ~ 200 by 200 metres
- Anomalous gold, with coincident silver, copper or uranium
- Two targets with high magnetic response



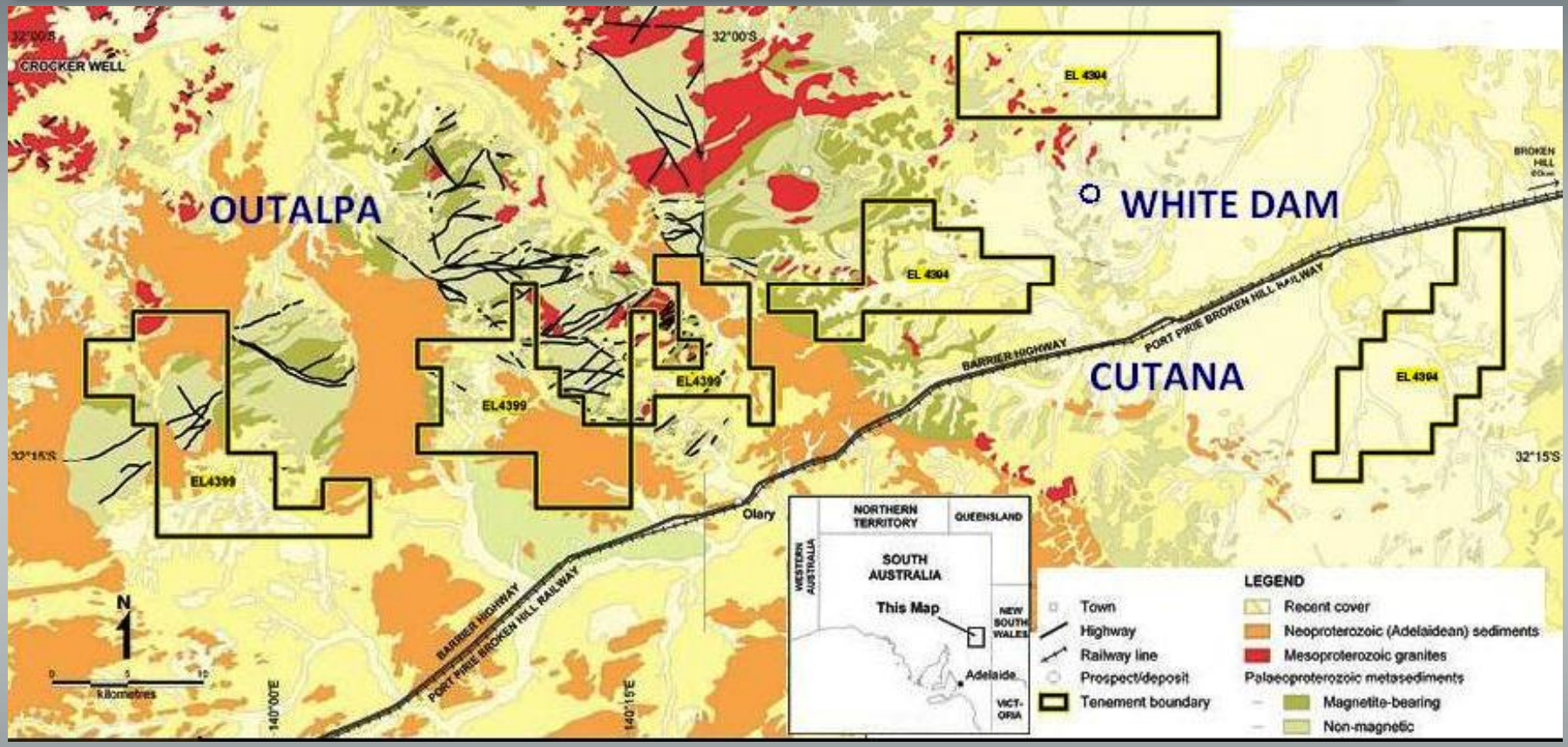
Duffers Dam. Soil gold image and contours

Cutana Project
Drilling

- 4,000 metre reverse circulation drill program underway
- To test five prospects from infill sampling
- To continue through January 2012
- Initial results expected 1st Quarter 2012

Drilling at Cutana Project

Cutana Project
Expansion potential

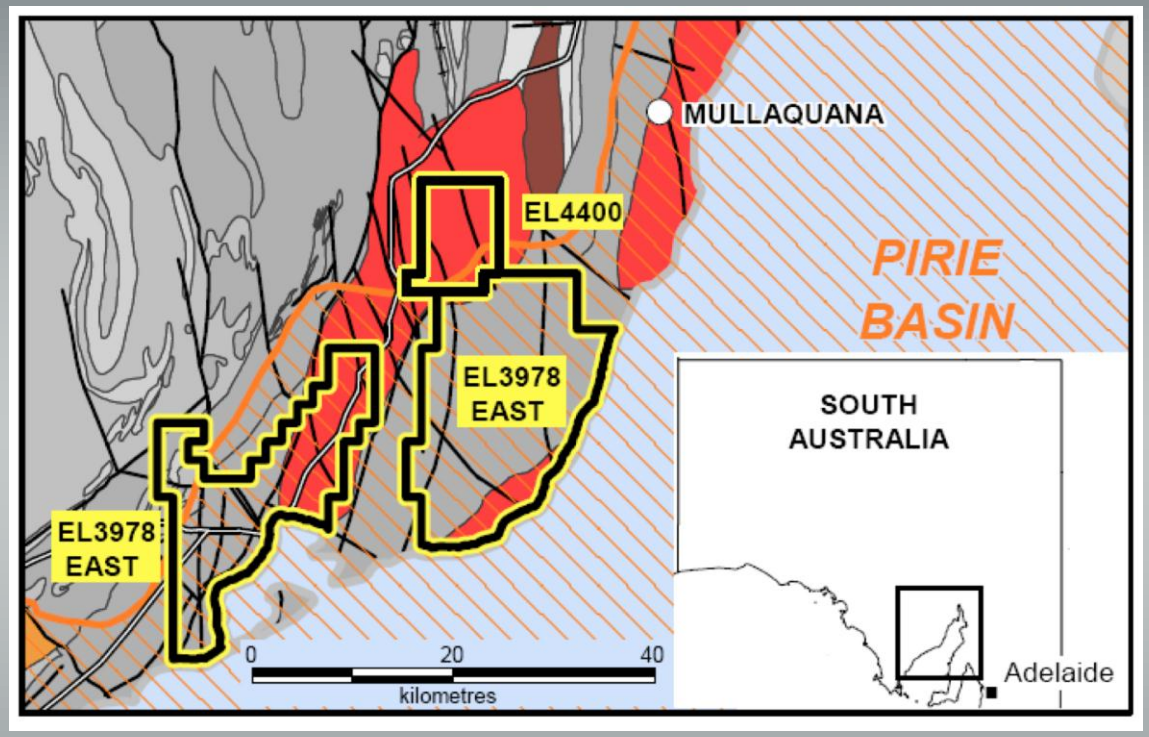


Cutana and Outalpa Project Areas

- Outalpa Project: 287km^2
- Cutana Project: 282 km^2

Pirie Basin Project
Overview

- Location: Southern Gawler Craton (SA)
- Tenements: EL 4400 (100%), EL 3978 (earning 75%)
- Area: 734 km^2
- Target: Sandstone-hosted, ISR uranium
- Exploration model:
  - Extensive data on basin available: AEM survey and USA work on Mullaquana
  - Utilise existing data, gravity and stratigraphic analysis to locate uranium deposits
- 2011 activities: gravity and 4,300 metre drill program



Pirie Basin Project

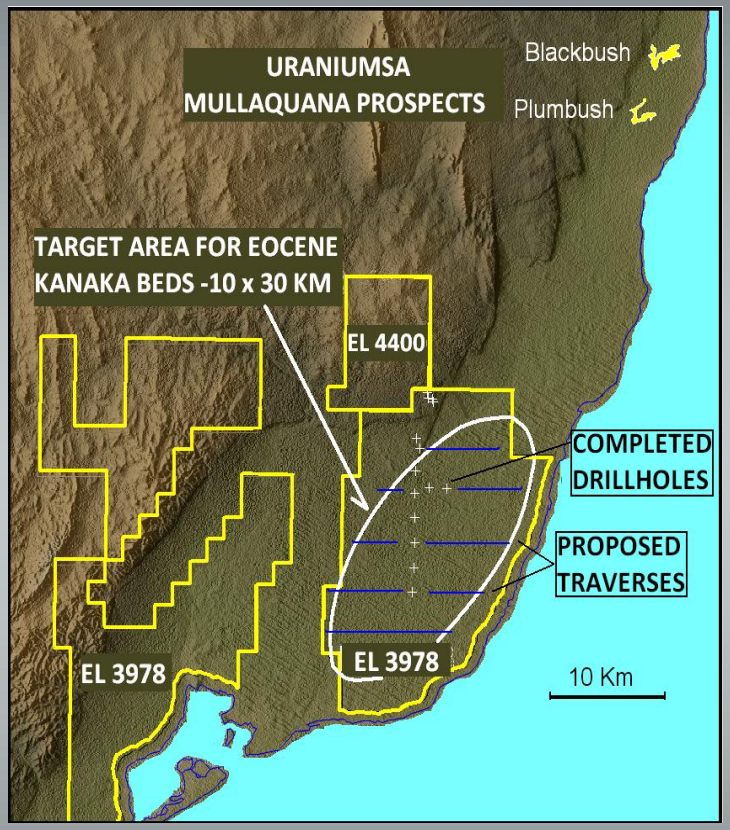
Goal: Locate Mullaquana-style, ISR-amenable uranium

Pirie Basin Project
Comparison to Mullaquana uranium deposits

- Mullaquana: 42 million pound JORC inferred resource (USA ASX release 27 Oct. 11)
- Two ore bodies north of RNU's project area
- Owner, UraniumSA (ASX: USA), in development phase
- Recent USA reports (from USA ASX release 27 Oct. 11):
  - Near-term production (2013)
  - Robust financial returns

Production model	400tpa (tonnes per annum)	600tpa (tonnes per annum)	800tpa (tonnes per annum)
Project Capital AU$	$ 71.4M	$ 75.8M	$ 80.1M
Operating Cost AU$/lb U_3O_8	$ 30.30	$ 25.90	$ 23.90
Payback period, years	4.9	3.5	2.9
Net Present Value @ 8% discount rate	$52.9M	$134.7M	$212.6M
Internal Rate of Return	22%	39%	52%

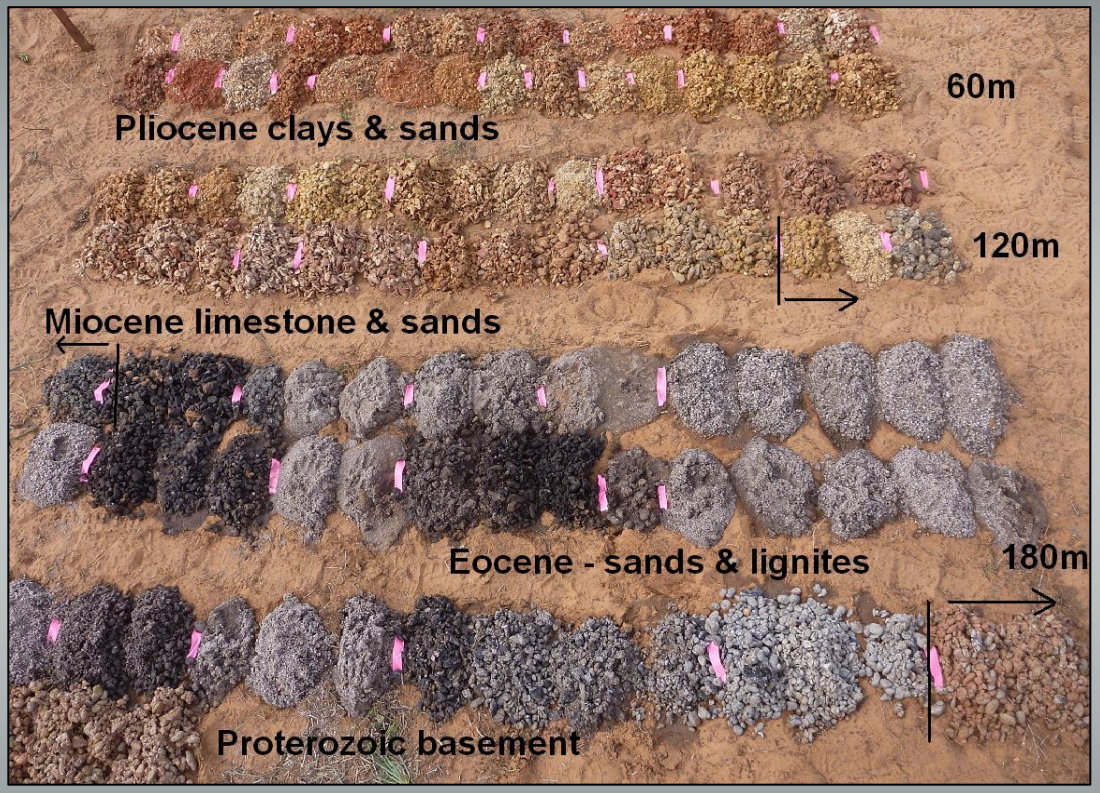
Mullaquana financial model (from USA ASX release 27 Oct. 11)



Pirie Basin Project, showing initial drill target region in relation to Mullaquana deposits

Pirie Basin Project
ISR-amenable host sequences

- Thick sequences of ISR-amenable Eocene sands and Miocene calcareous sands in all 26 holes in the eastern target zone
- Same host sequences as Mullaquana deposits
- Developed over significant thickness (up to 60 metres)
- Well-suited for ISR mining

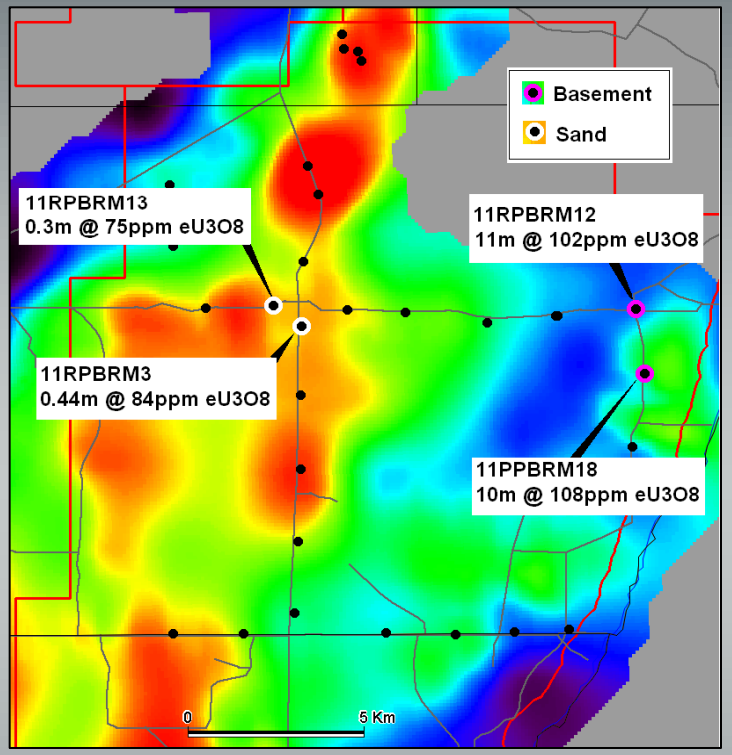


Pirie Basin Project. Drill cuttings (2 metre samples) from Hole 11RPBRM13 showing the varying oxidation states of the Pirie Basin sequence

Pirie Basin Project

Elevated uranium intersections

- Within primary 10 x 30 km target zone, 26 rotary mud holes completed at 2 km intervals
- Elevated gamma response (≥75 ppm eU_3O_8) in 18 holes
- Peak (+100 ppm eU_3O_8) responses in basement clays
- Uranium-mineralised sands in multiple holes

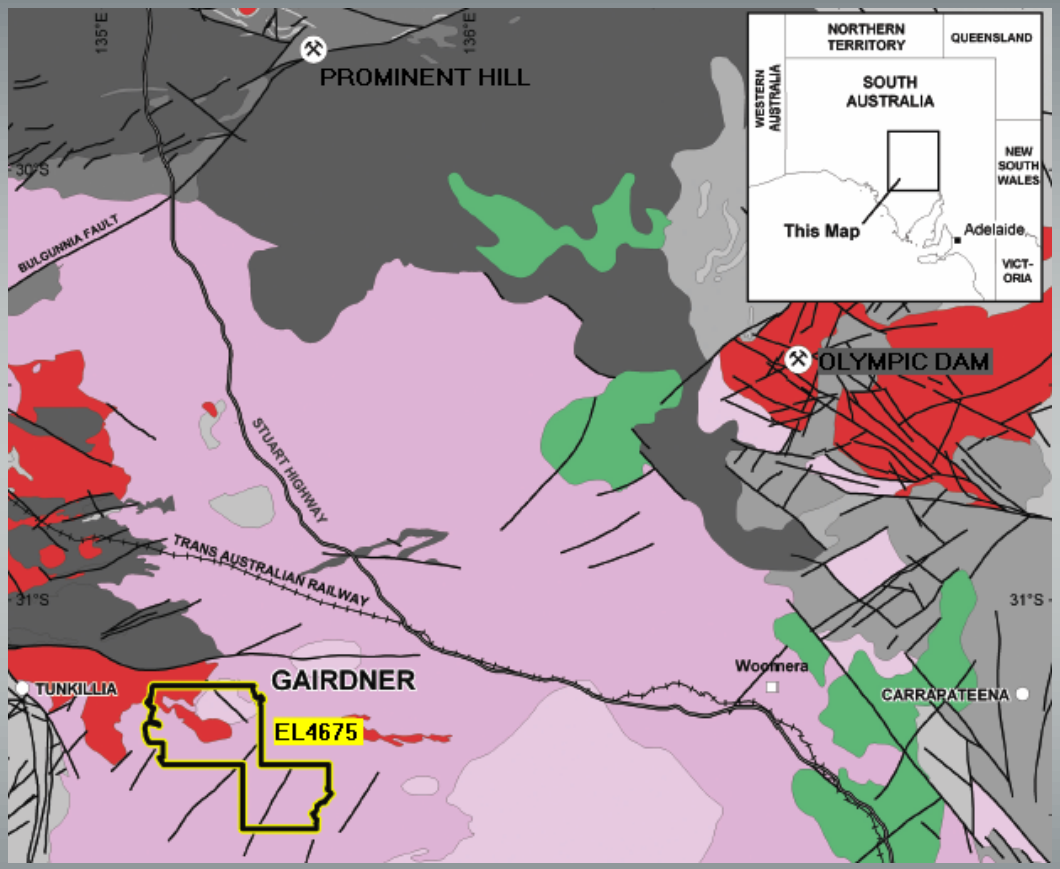


Pirie Basin Project. Drill hole locations in main target area over eastern portion of EL 3978, overlaying gravity image

Drilling confirms expansive Mullaquana-style prospectivity

Gairdner Project
Overview

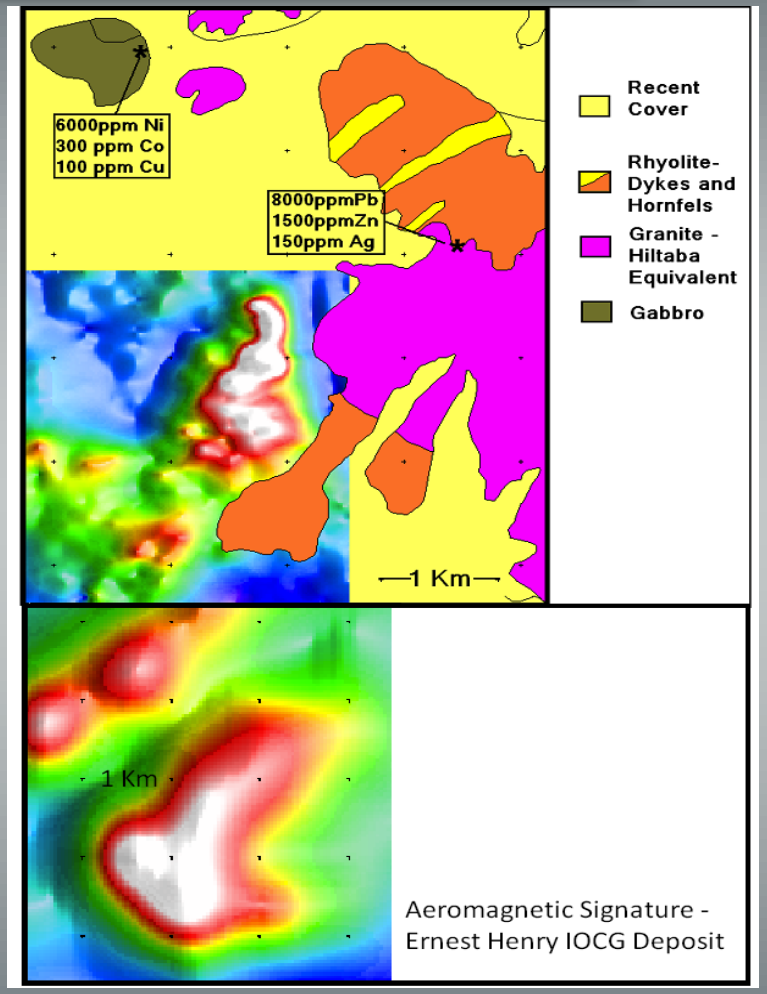
- Location: Central Gawler Craton (SA)
- Tenement: EL 4775 (100%)
- Area: 908 km^2
- Targets: IOCGU
- Exploration model:
  - Untested, high-amplitude magnetic anomaly
  - Lower Gawler Range Volcanics



Gairdner Project

Gairdner Project
Magnetic target

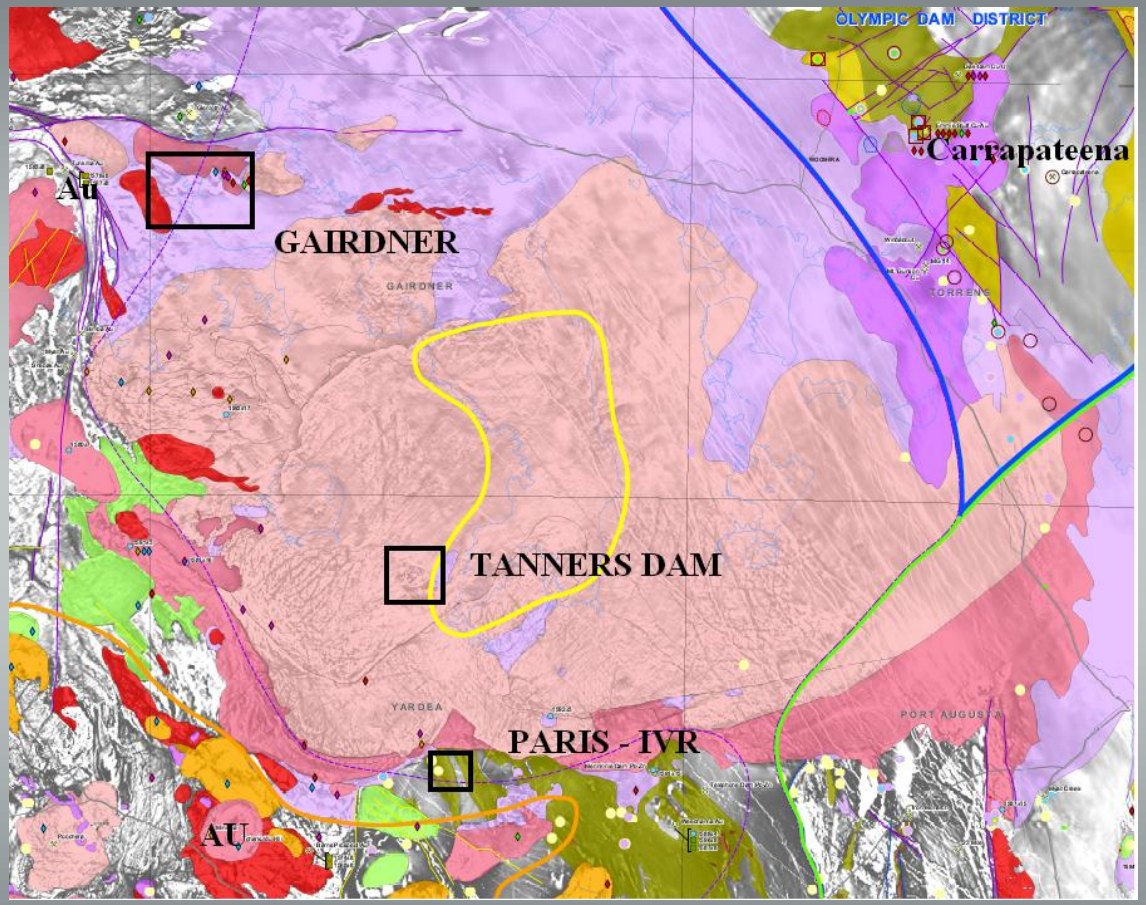
- Ground magnetic survey delineates area of strong magnetic relief parallel to the inferred margin of intrusive Hiltaba granites
- Previous drill hole tested gravity high (2 km south of magnetic centre)
- Untested magnetic anomaly shows similarities to Earnest Henry IOCGU signature



Gairdner Project. Geology imposed on magnetic image

Gairdner Project
Epithermal silver potential

- Geologic setting: Lower Gawler Range Volcanics
- Comparable to Investigator Resources' (ASX: IVR) Paris epithermal silver project
- Historical surface sampling from Gairdner: 150 ppm Ag
- Next steps: systematic soil sampling and drill testing



Gairdner Project. Regional geology plan showing distribution of Lower Gawler Range Volcanics (darker pink) and Hiltaba Granites (red)(source Geoscience Australia)

Year ahead

- Active news flows from multiple projects
  - Cutana: results from current drill program
  - Pirie Basin: resumption of drilling
  - Gairdner: initial drill results
- Adding value through on-going business development
  - New tenement applications
  - Corporate opportunities
- Funded to pursue programs – $6.7 million cash
- Having advanced through initial stages, now present multiple opportunities for imminent economic discoveries