

The background of the slide is a photograph of a person wearing an orange and blue high-visibility shirt and a hat, standing in a field of green trees and shrubs. A large, semi-transparent red logo, consisting of several curved, flame-like or petal-like shapes, is overlaid on the right side of the image. The logo is partially obscured by the text and the bottom right corner of the slide.

# Alligator Energy Uranium Projects

6 September 18 – NT RESOURCES WEEK – Greg Hall, CEO

# Disclaimer & Competent Person's Statement

## Disclaimer

This presentation contains projections and forward looking information that involve various risks and uncertainties regarding future events. Such forward-looking information can include without limitation statements based on current expectations involving a number of risks and uncertainties and are not guarantees of future performance of the Company. These risks and uncertainties could cause actual results and the Company's plans and objectives to differ materially from those expressed in the forward-looking information. Actual results and future events could differ materially from anticipated in such information. These and all subsequent written and oral forward-looking information are based on estimates and opinions of management on the dates they are made and expressly qualified in their entirety by this notice. The Company assumes no obligation to update forward-looking information should circumstances or management's estimates or opinions change.

## Competent Person's Statement – Nickel Cobalt

Information in this report is based on current and historic Exploration Results compiled by Mr Andrew Vigar who is a Fellow of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Vigar is a non executive director of Alligator Energy Limited, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Vigar consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

## Competent Person's Statement – Uranium

Information in this report is based on current and historic Exploration Results compiled by Mr Andrew Peter Moorhouse who is a Member of the Australasian Institute of Geoscientists. Mr Moorhouse is an employee of Alligator Energy Limited, and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Moorhouse consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

# Alligator Energy Ltd - Overview

Focused on the discovery of **large economic** high grade energy related metal deposits (Uranium, Nickel, Cobalt) with **clear pathways** for approval and development.

AGE have **developed and implemented specific R&D exploration IP** for identifying potential uranium occurrences **which may exist under cover** in the **premier uranium** exploration district of the Alligator Rivers Uranium Province (ARUP), Northern Territory, Australia.

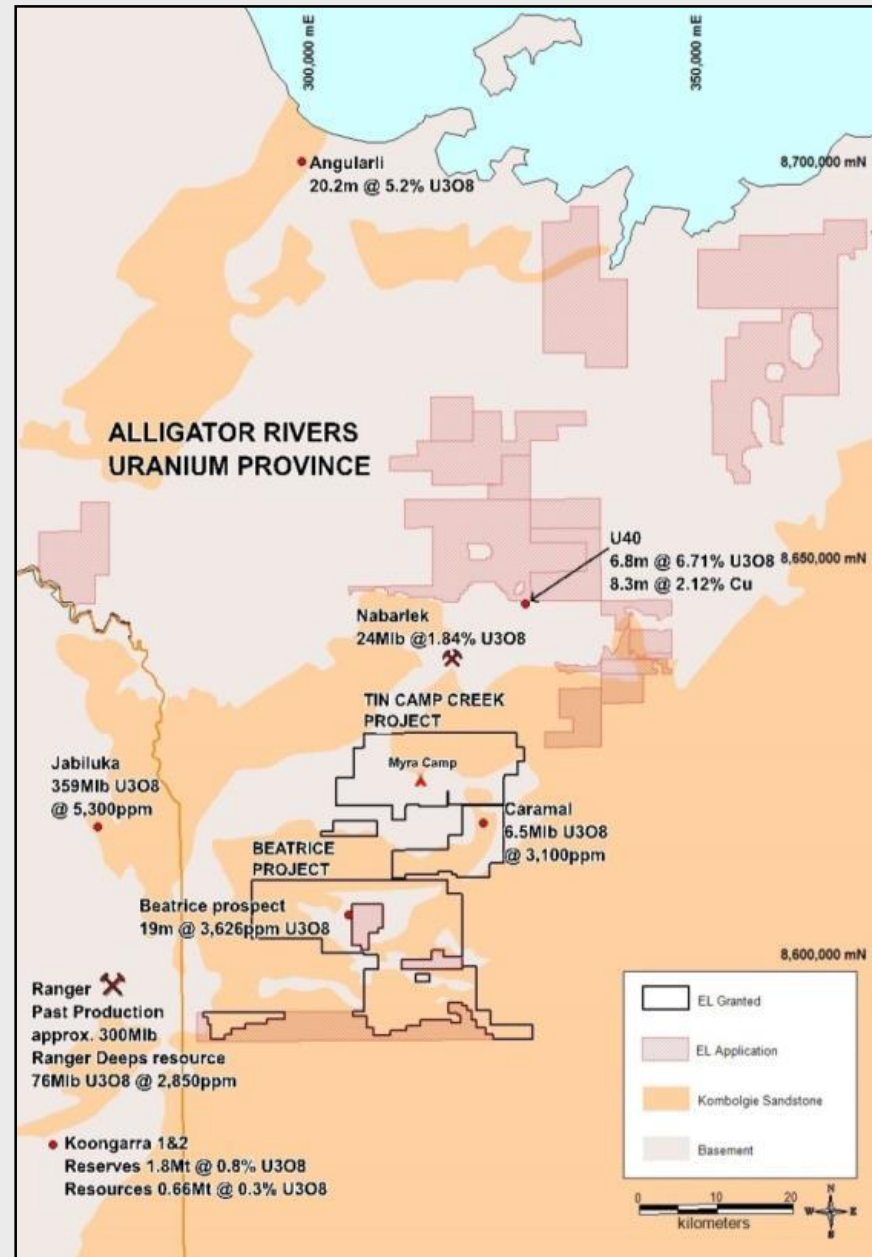
The application of this pre-drilling IP over many years has identified undercover **drill ready uranium targets** in the Company's significant land holding position in the ARUP, NT. This substantial R&D work is currently being tested with drilling of the most of advanced of these targets at **TCC4 underway**.

The Piedmont Nickel Cobalt project in northern Italy contains historic mines, and demonstrates outstanding exploration opportunity for **high quality nickel cobalt sulphide** deposits, with on-ground sampling work **confirming high grade massive sulphides**, with drilling targets now being developed.

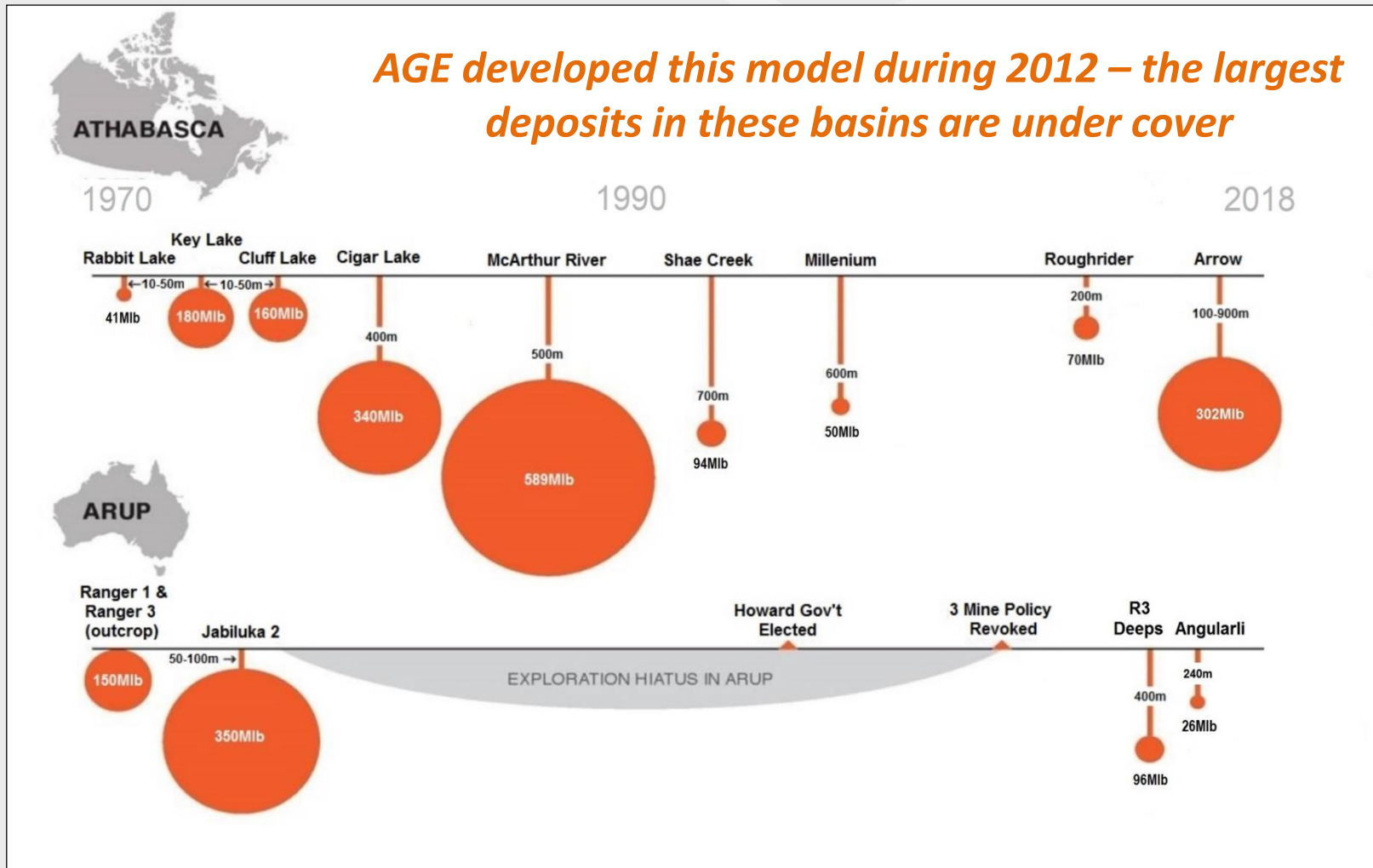


# Alligator Rivers Uranium Province (ARUP)

- Significant **global unconformity uranium deposits** occur in the Athabasca and ARUP.
- Initial discoveries in ARUP were at surface (Ranger, Nabarlek, Koongarra). Ranger orebodies were likely larger – unknown how much of them has eroded over millions of years prior to discovery – the **largest (Jabiluka) exists totally under cover**
- AGE's specific IP allows pre-drilling identification of uranium targets under sandstone cover – now being tested.
- AGE continue to expand quality land holding with **Nabarlek North** application.
- Focused on relationships and employment for local indigenous groups.
- Province hosted 700Mlb  $U_3O_8$  endowment @ 4,000ppm  $U_3O_8$  (equivalent to 30 Moz Au @ 10g/t Au)



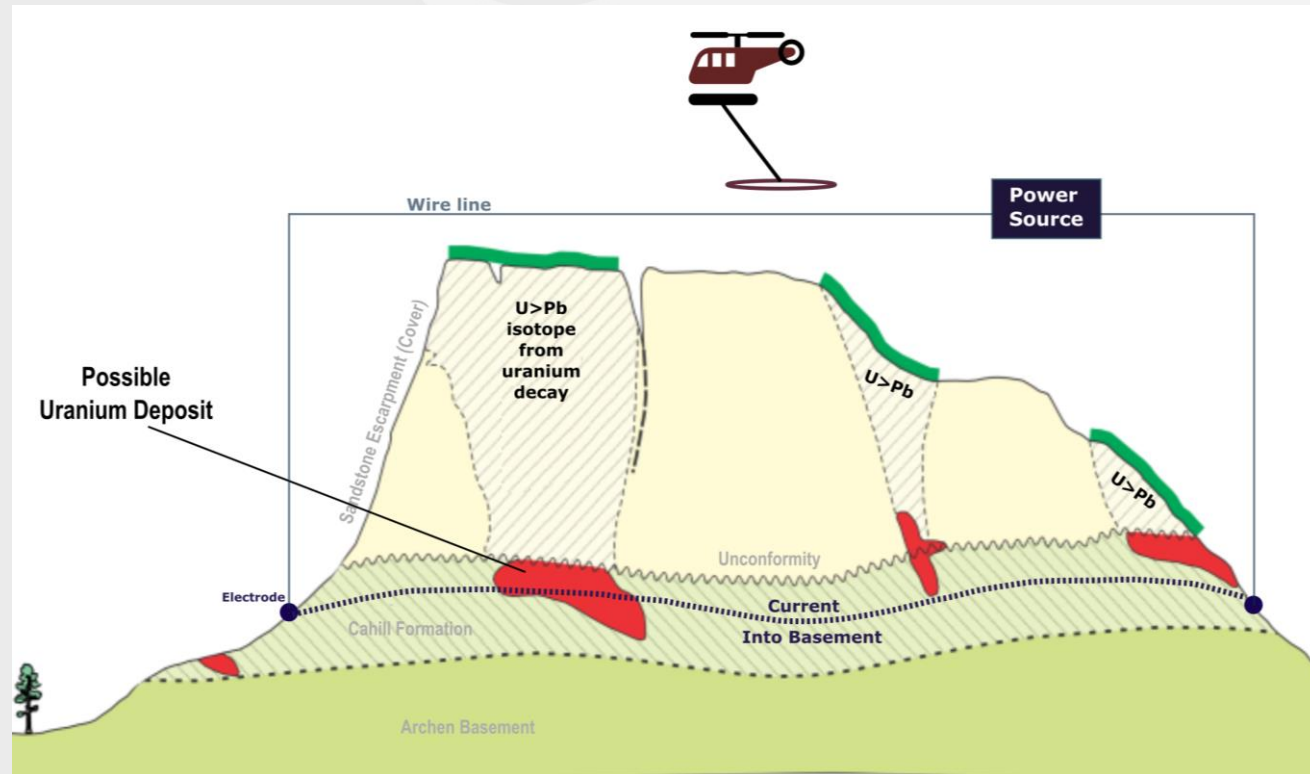
# Alligator Rivers Vs Athabasca



For a variety of reasons, the progressive exploration under cover in ARUP did not occur.

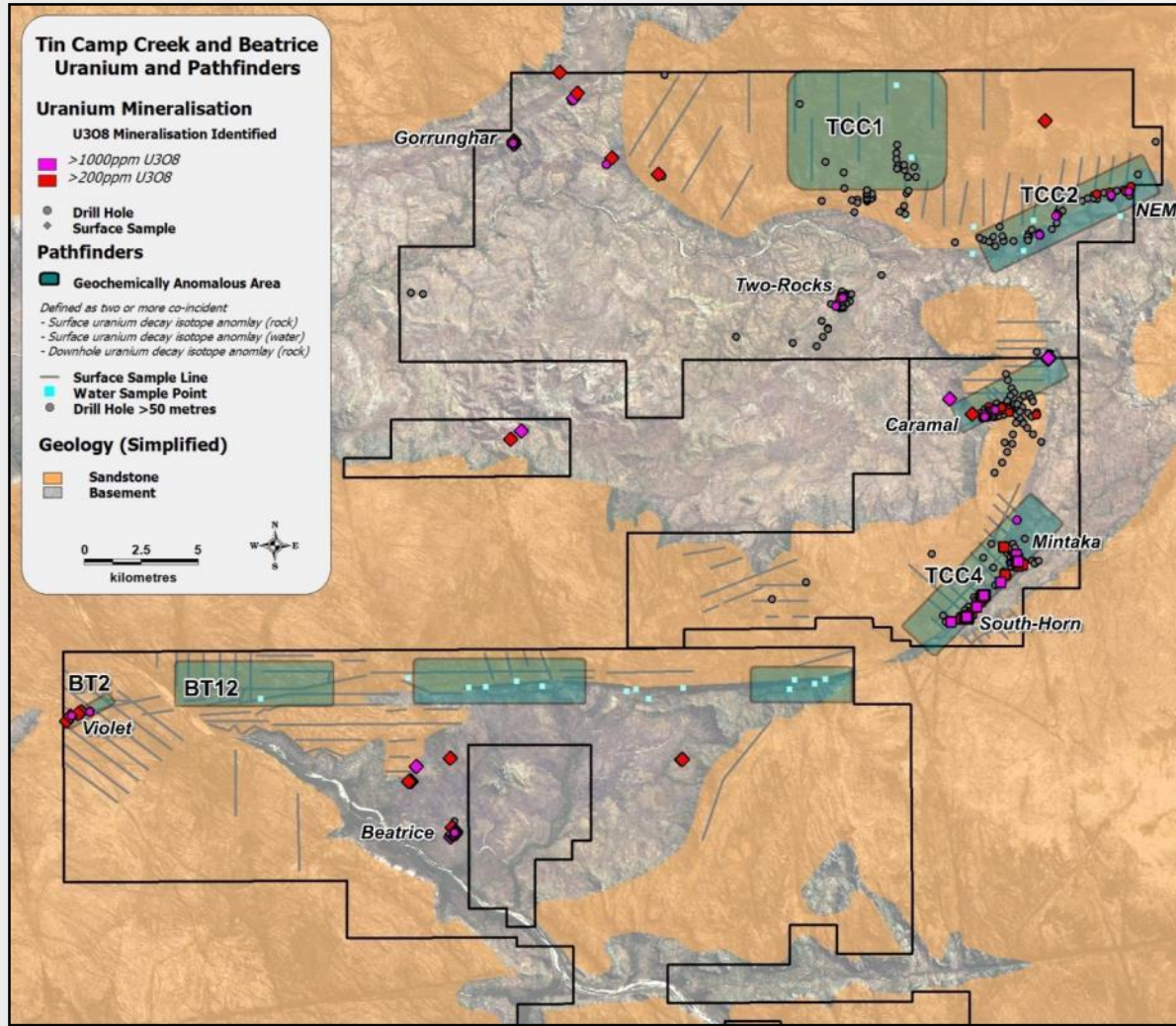
# Discovering Undercover Uranium Deposits

- Sub Audio Magnetics (SAM) used in conjunction with decay isotope sampling to highlight coincident surface geochemical anomalies with basement geophysical conductors.
- Isotopic decay products (eg Pb isotopes) are a geochemical proxy for uranium.
- Targeted SAM setup with electrodes located into Proterozoic/Archean basement below the resistive sandstone escarpment to identify areas of alteration within the preferred basement host lithology (Cahill Formation).
- Radon (a gas) diffuses into cover rocks, decays into daughter products, away from uranium source. Proprietary research used for isotopic data processing and identifying key anomalies.





# TCC and Beatrice Project Overview



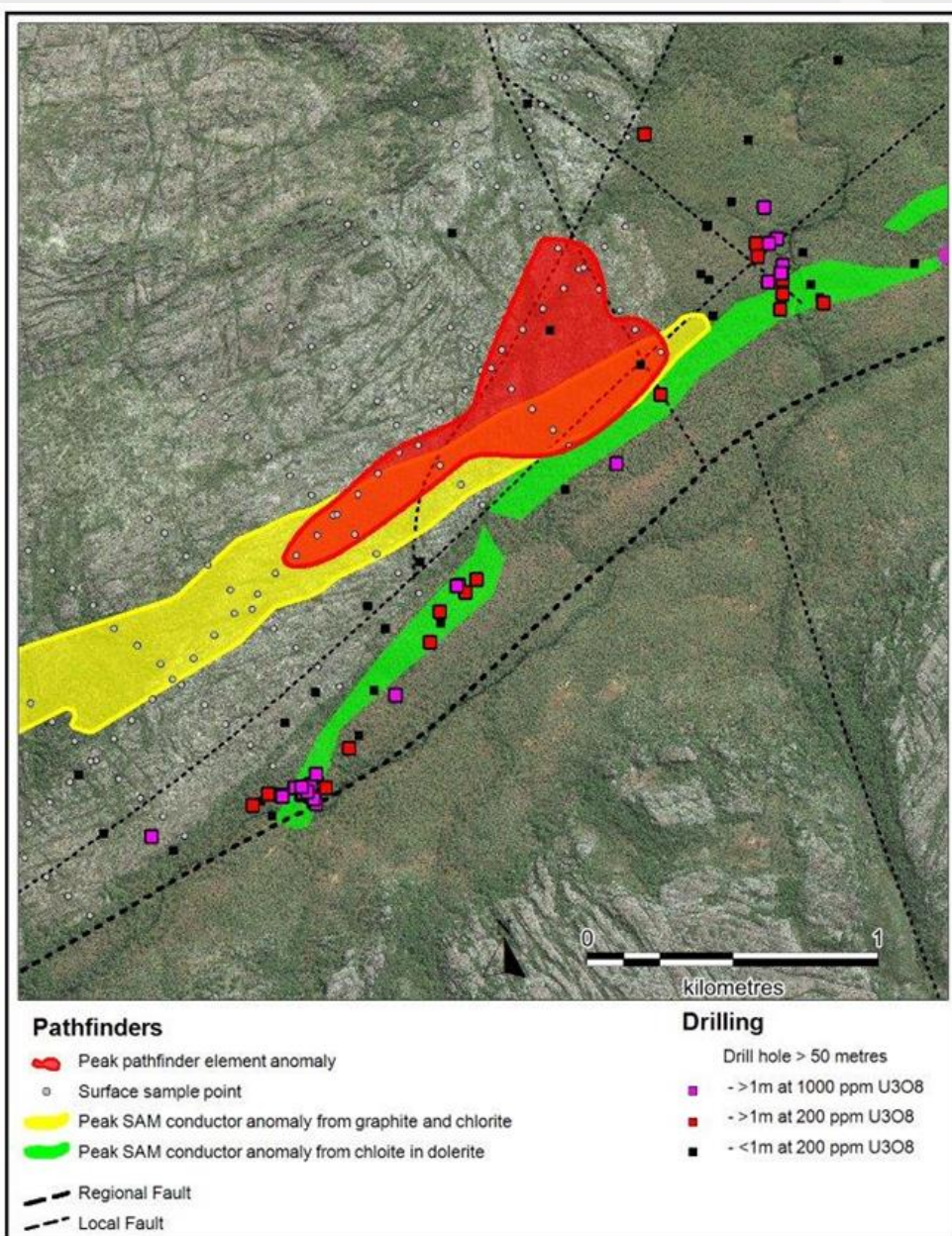
**ARUP is the only region  
delivering high grade  
uranium in Australia**

Hole ID	From (m)	Length (m)	U3O8 (ppm)
<b>Caramal</b>			
CAD11-020	108	14	7,072
INCLUDING	111	9	10,099
<b>North-East Myra</b>			
OBR14-111	60	3	1489
AND	67	1	430
<b>Gorrunghar</b>			
OBR13-082	13	7	2,886
<b>Two-Rocks</b>			
MRR-047	8	6	1260
MRD-0101	72.4	1	30715
<b>South-Horn</b>			
TCSHD0004	72	6	8378
<b>Mintaka</b>			
OBR12-040	78	15	512
INCLUDING	78	5	1,292
<b>Beatrice</b>			
BTD0273	5	19	3626
INCLUDING	11	5	6456
<b>Violet</b>			
BTD0280	30	6	804
AND	46	5	626

Best drilling intersects from various  
prospects within currently granted AGE  
tenements



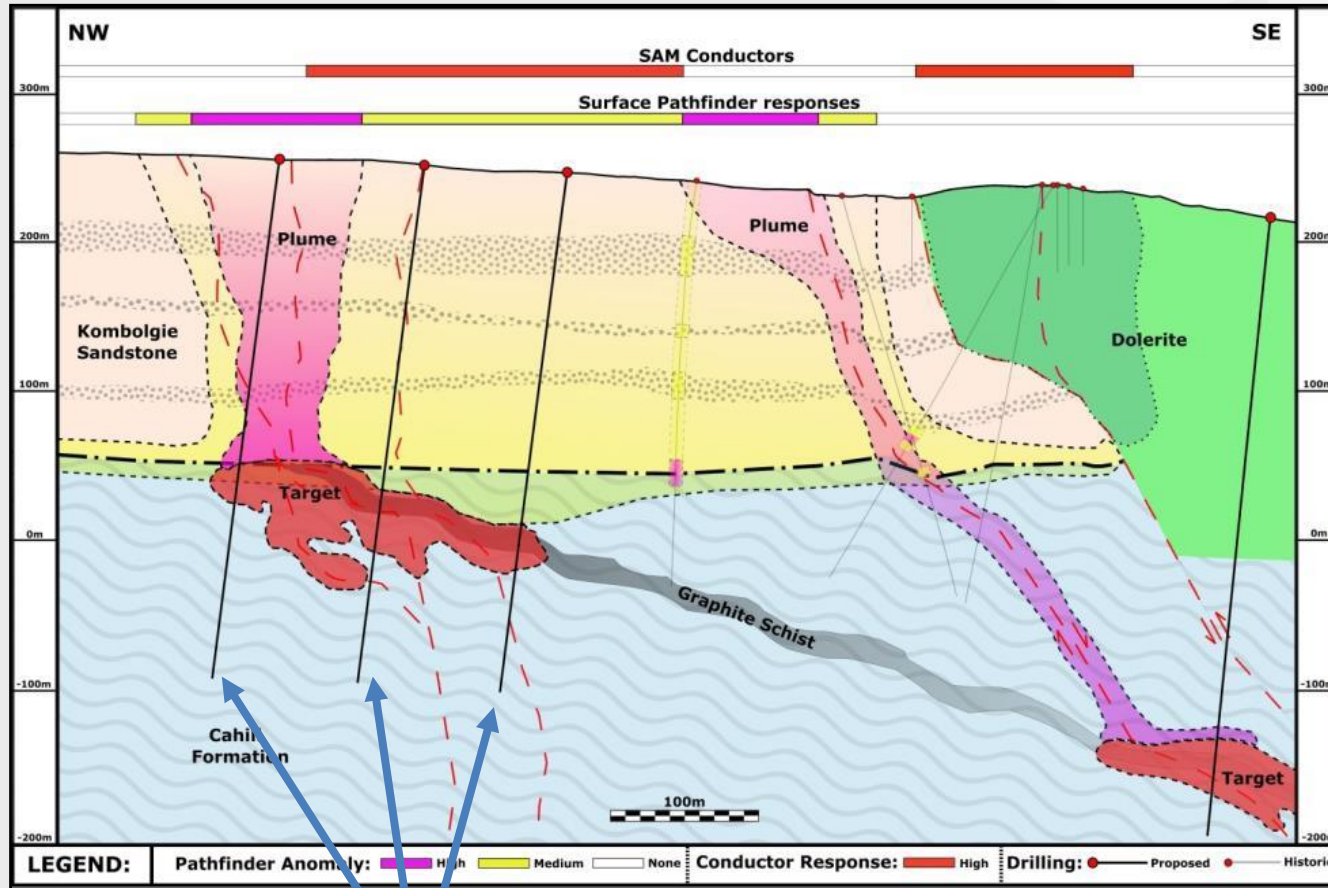
# TCC4 – A Drill Ready Target



- Preferred Cahill basement – similar to Ranger
- Coincident SAM and geochemical Pathfinder responses – AGE under cover R&D exploration IP.
- Graphite schists at U/C contact from 2014 drilling – similar to Ranger
- Large regional fertile fault structures
- Nearby high grade U3O8 mineralisation
- Unique application through R&D of decay isotope ratio (pathfinder) analysis.
- Modified application of SAM technology



# TCC4 – A Drill Ready Target

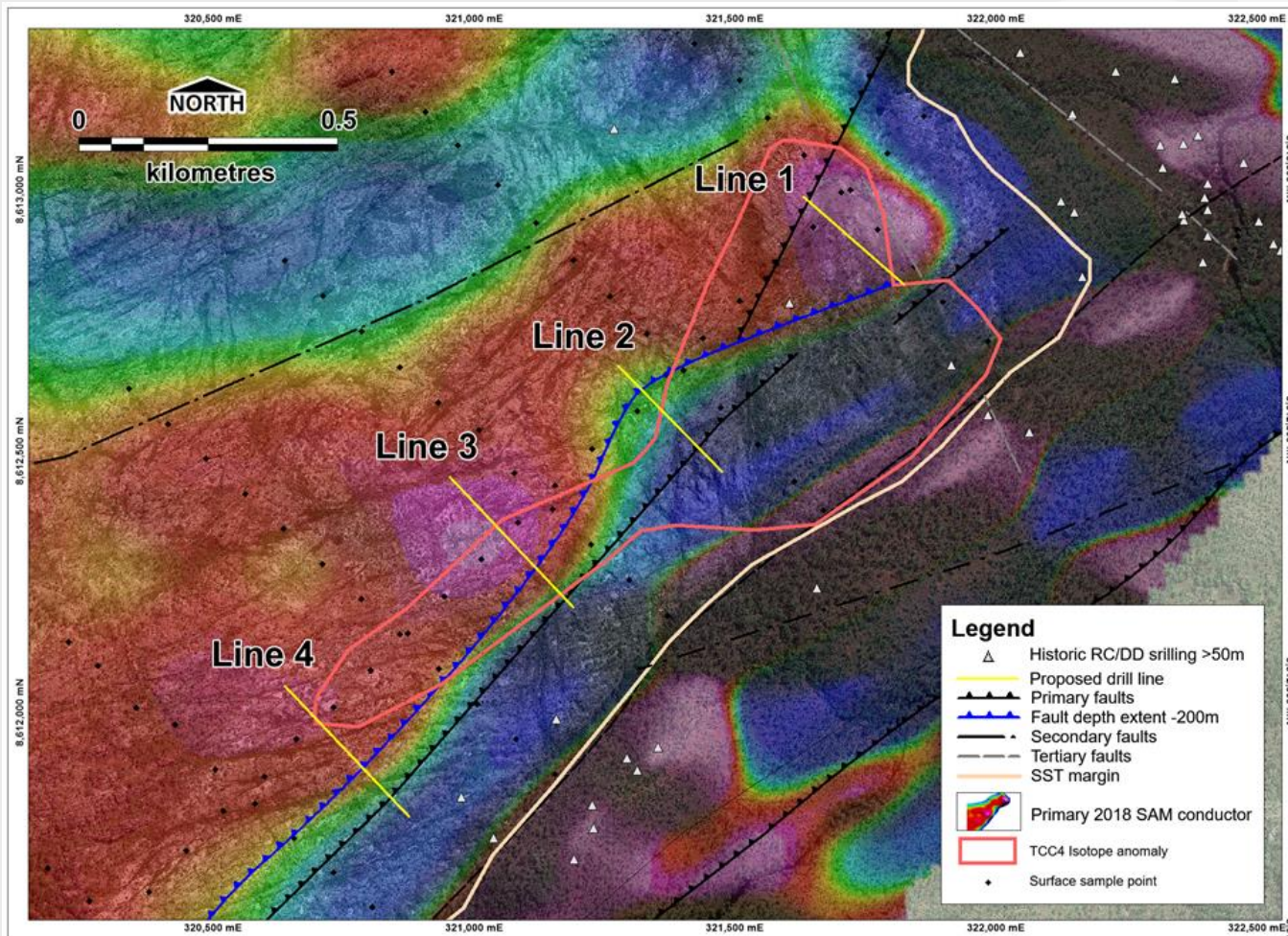


- Modelling indicates most likely mineralisation location based on structural knowledge, SAM Conductors and surface pathfinder responses

Drill lines proposed – up to 3,000 metres in up to 10 holes

# TCC4 – Drilling underway

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- AGE raised funds to drill its advanced TCC4 target.
- Drilling commenced Monday 3<sup>rd</sup> Sept
- Up to 3,000 m in up to 10 holes, with 250 to 400m depth planned – drilling over four lines.
- RC drilling through sandstone with diamond core tails



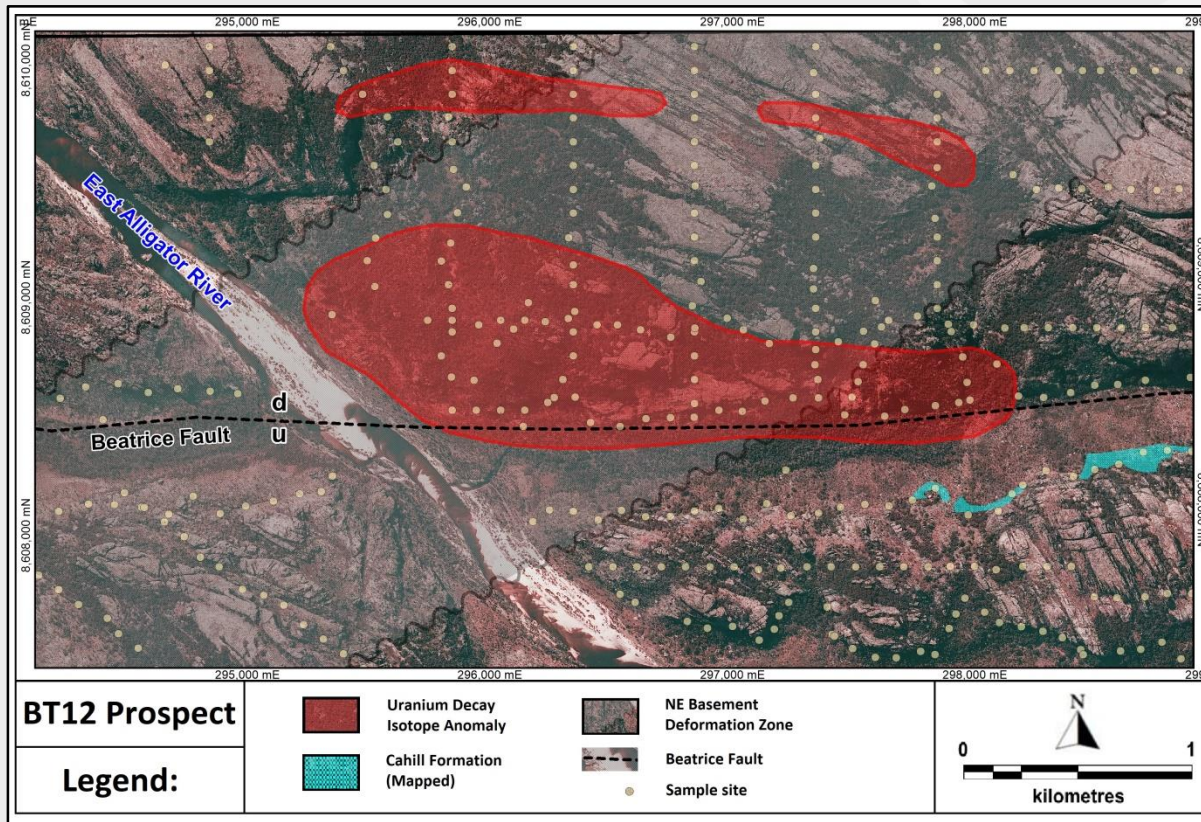
# TCC4 – Drilling underway – Sept 2018

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# BT12 – Next Extensive Pathfinder Target



- Evidence of Preferred Cahill stratigraphy
- Strong Geochemical Pathfinder response
- Large fault structures
- Nearby U3O8 mineralisation
- High radionuclide elements (pathfinders) within ground waters
- Evaluating next step;
  - Geophysical refinement
  - Drilling of “stratigraphic hole”

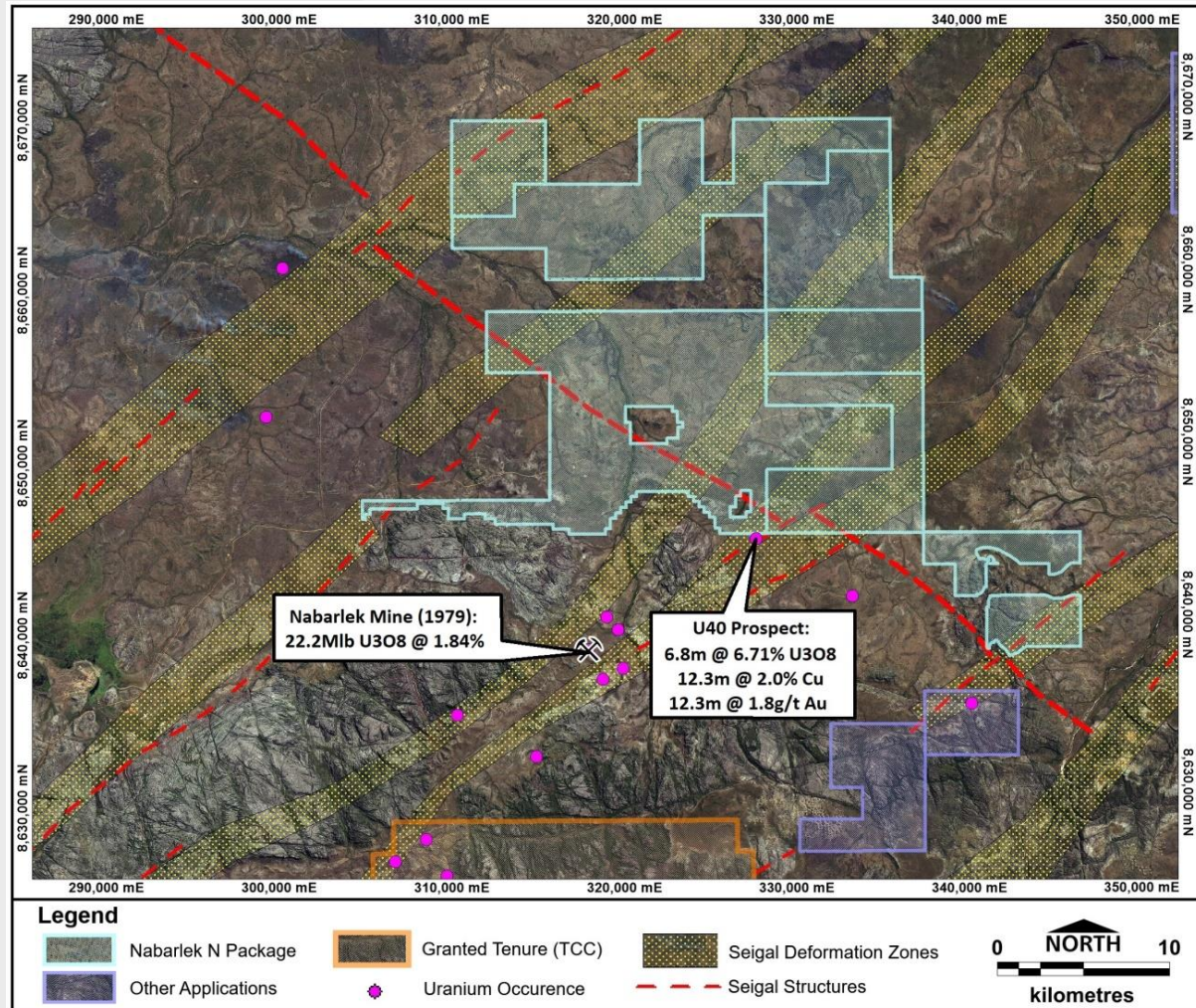
*Beatrice tenement is 25kms east of the Ranger Mine*





# Nabarlek North (Application)

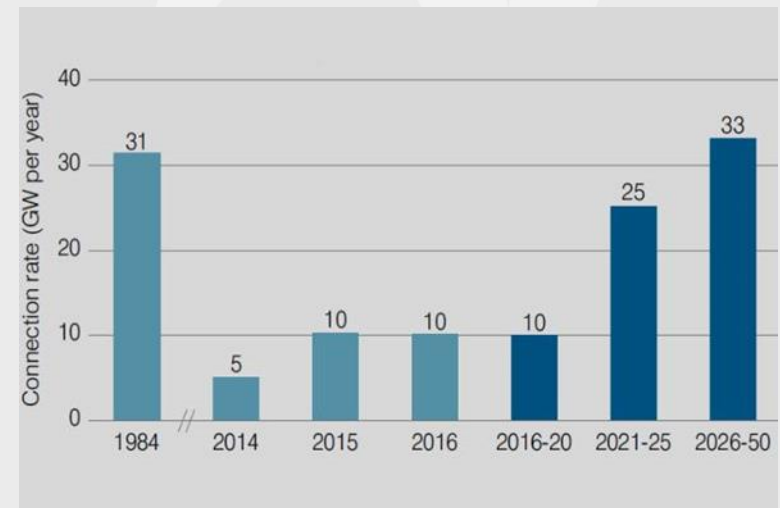
- Preferred Cahill basement historically identified in SW.
- Historic Nabarlek mine < 7km to South with historic production of 24Mlb at 1.84% U3O8.
- U40 prospect located on tenement boundary with reported 6.8m @ 6.71% U3O8.
- Fertile fault structures present.
- Excellent opportunity to deploy AGE undercover exploration techniques
- Application work proceeding this year



*Latest uranium tenement application*

# Uranium Outlook

- The Sept 2017 market report from the World Nuclear Association showed nuclear power generation globally had increased to a level above that at the time of the 2011 Japanese tsunami. This has been mainly through new nuclear plant construction in China, India, Russia, the Middle East, and a range of other countries;
- In March 2018, the UAE completed construction of its first nuclear power plant at Unit 1, Barakah nuclear station. All four units at Barakah are scheduled for completion by 2020, and will supply 25% of the UAE's electricity needs;
- Combined with recent production cuts at Cameco's McArthur River Mine in Canada and Kazatomprom's operations in Kazakhstan, this is likely to result in anticipated reduction in uranium stocks through 2018. There are also a number of significant global nuclear utilities who will need to replace expiring long-term uranium supply contracts in the next 1-2 years.
- Alligator remains optimistic for the short to medium term outlook, and remains committed to low, cost effective progression of its uranium assets.



*Connection rate of new nuclear power capacity globally, with future World Nuclear Association predictions.*



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