# THE BEST HIGH GRADE URANIUM EXPLORATION INVESTMENT OPPORTUNITY IN AUSTRALIA





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#### **DISCLAIMER**



#### **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**

The information in this presentation that relates to exploration results is based upon information compiled by Mr Robert Sowerby. Mr Sowerby is a Member of the Australian Institute of Geoscientists 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 2012 Edition of the 'Australasian Code for Reporting of Mineral Resources and Ore Reserves' (JORC CODE) for reporting exploration results. Mr Sowerby has consented in writing to the inclusion of the data in the form and context in which it appears.

## **ALLIGATOR ENERGY CORPORATE INFORMATION**



#### Capital Structure

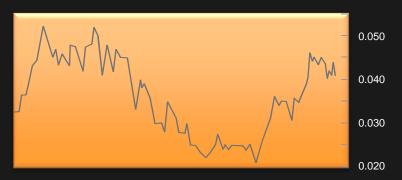
Issued shares	310.5m
Unlisted options	12.2m
Price (16-04-2015)	\$0.041
Market Cap	\$12.75m
Cash (31/12/14)	\$2.9m

### Top Shareholders (16-04-2015)

<b>\</b>
18.8%
5.7%
2.9%
2.8%
1.6%
1.3%
1.3%
1.3%
1.2%
1.1%

Top 20 Shareholders 46%

### 9 month share price from ASX



### **Directors / Management**

John Main	Chairman
Paul Dickson	NED
Peter Mcintyre	NED
Andrew Vigar	NED
Robert Sowerby	CEO
Mike Meintjes	Secretary

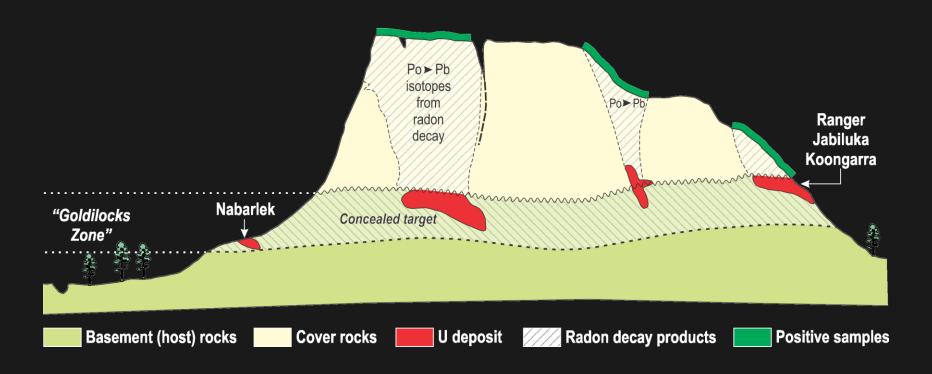
## **OUR EXPLORATION STRATEGY**



- Uranium only, Alligator Rivers Uranium Province only
- Minimum 100Mlbs U<sub>3</sub>O<sub>8</sub> resource target (\$6.5 billion value)
- Searching under sandstone cover for unconformity style deposits
- Focus on core province
- Developing and applying new methodologies
- Assessed every reasonable target = Inventory of > 30
- Ruthlessly rank targets and follow up best 10 = Pipeline
- Drill test the best few targets = 'A' targets
- Clear definition of:
  - significant intersection (1000ppm U<sub>3</sub>O<sub>8</sub>/5m)
  - ore grade intersection (>50,000m ppm or 5m%U<sub>3</sub>O<sub>8</sub>)
  - high grade intersection (>10,000ppm U<sub>3</sub>O<sub>8</sub>/5m)
- Build and maintain best community relationships
- Spend more than 60° of every dollar "in the ground"

# GAME CHANGER 1: RADON DECAY ISOTOPES REVEAL COVERED URANIUM DEPOSITS



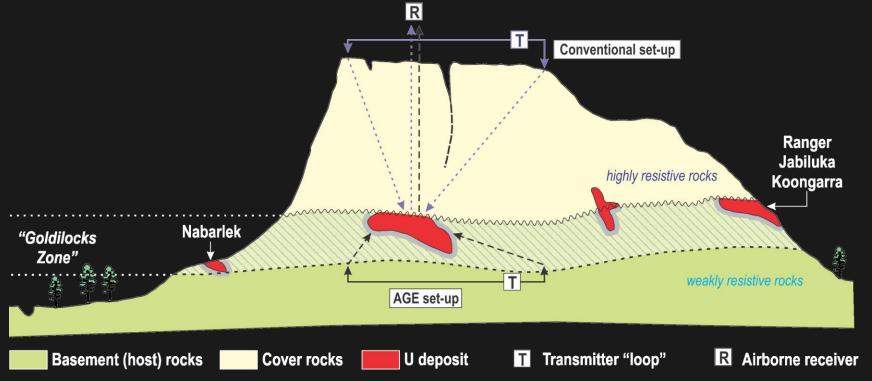


- Radon (a gas) diffuses into cover rocks, decays into daughter products, away from uranium source
- Analysing cover rocks for radon decay products reveals concealed uranium deposits

Radon decay products are a geochemical proxy for uranium

## GAME CHANGER 2: ENHANCED SAM GEOPHYSICAL SURVEY EFFECTIVENESS

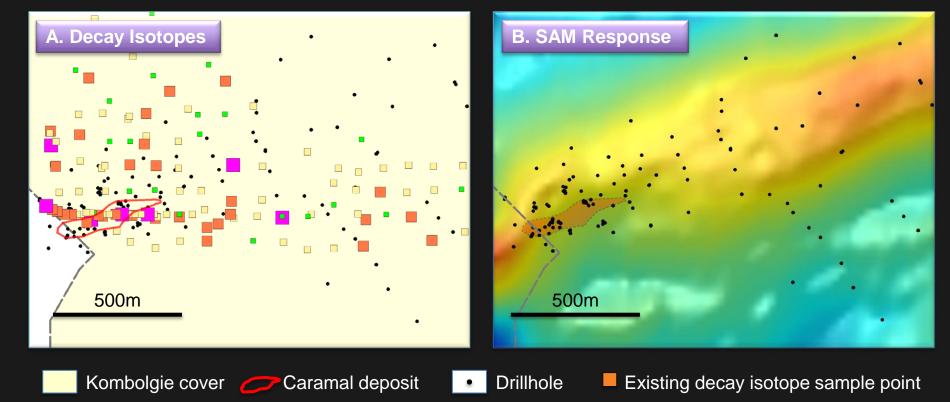




- Current passes through weakly resistant rocks to U deposit/conductive minerals
- Response passes through highly resistive rocks to receiver
- Signal at receiver stronger and sharper providing better detection/definition

## **CARAMAL: GAME CHANGER RESPONSES**





- Caramal deposit small but provides expected responses
- These two break through tools can be applied to all covered basement "host" rocks
- AGE first company to effectively explore for uranium deposits in ARUP under cover rocks

# 2015 PIPELINE OF TARGETS AND TESTING PROGRAM

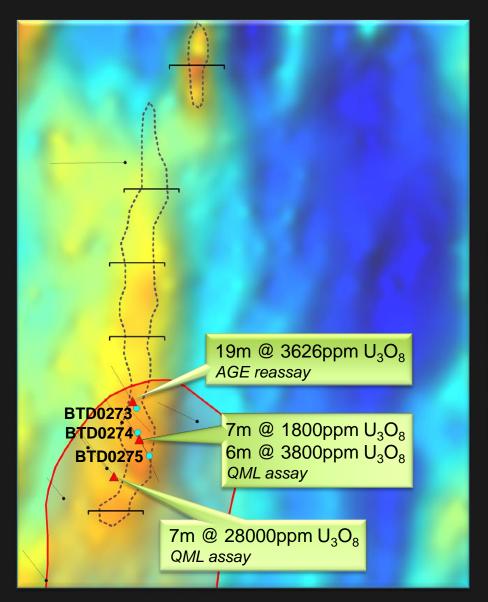


Inventory Sets		Target Defining		"A" Target Selection		Recon Drilling		Follow up Drilling		Resource Drilling	
Known Prospects (2)		Caramal Beatrice		<b>✓</b> ✓	A	<b>√</b> ✓	M	<b>√</b> 2015		<b>X</b> <10M lbs	
U Radiometric Anomalies (6)	I N	All 6	P	BT1 <b>√</b>	T A R	2015	N E R		O R E		
Decay Isotope/SAM Anomalies* (4)	V E N T O	All 4	P E L I N	TCC2√	G E T S	2015	A L S I E		G R A D		R E S O U
SAM/EM Anomalies (3)	R Y S	All 3	E S		T 0	2015	D I		I		R C E
Geological Anomalies (6)	E L E	All 6	E L E C		B E D	2015	N T E R		T E R S		D E F
Conceptual Targets (3)	C T	X	TIO		R I L		S E C		E C T		I N E D
Diabase Hosted (3)	O N	X	N		LIE		T I O N		1 0 N S		
Surficial (1)		X			D		S		3		
Inventory		Pipeline		4-5 "A" Targets		>1000ppm/ 5m U <sub>3</sub> O <sub>8</sub>		>5m% U <sub>3</sub> O <sub>8</sub>		>100M lbs U <sub>3</sub> O <sub>8</sub>	

<sup>\*</sup> Includes radon springs

## **BEATRICE PROSPECT**





Uranium anomaly

Peak SAM feature

Proposed drill line

Drill hole (AGE analysed)

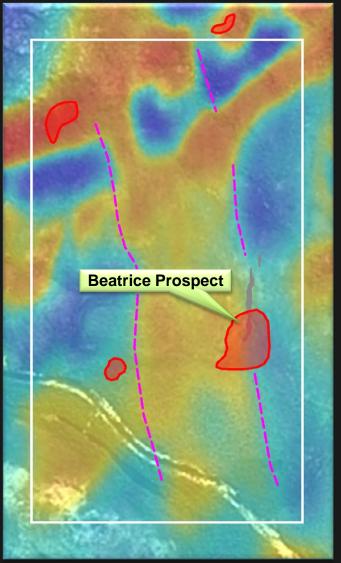
Drill hole (other)

Historically recorded mineralisation

200 m

## **BEATRICE ZONE**





Uranium anomaly

SAM feature

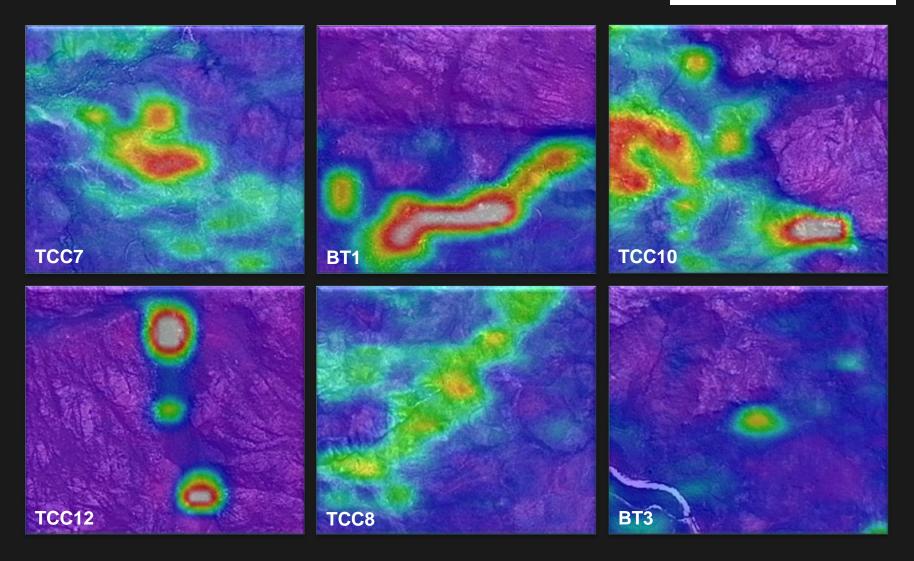
Beatrice Corridor

Proposed Heli-FLEM loop

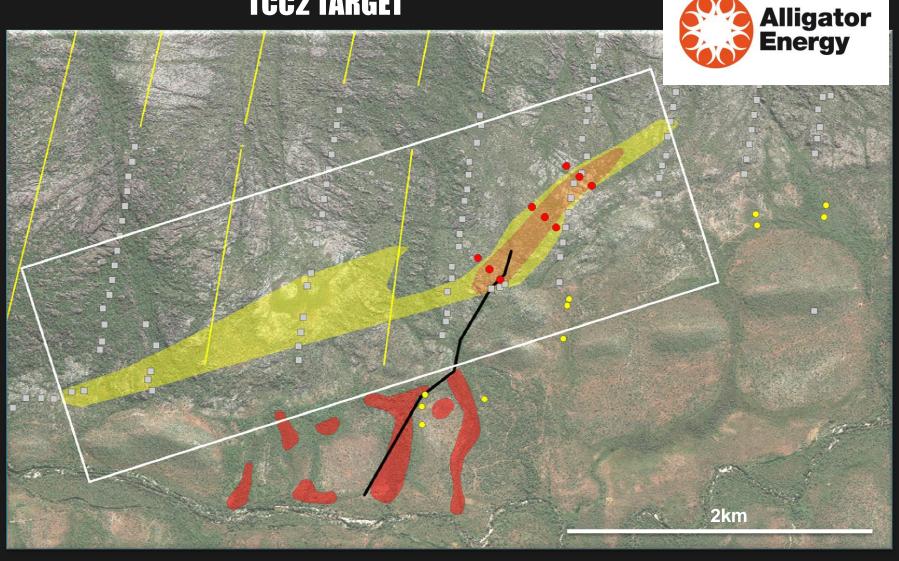
1 km

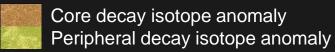
# **UNEXPLAINED SURFACE URANIUM ANOMALIES**



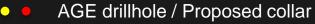


## **TCC2 TARGET**





Radon springs anomaly

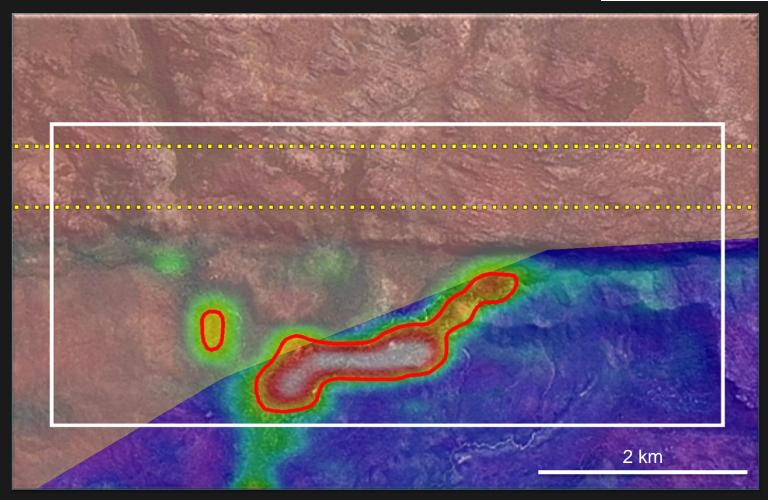


Existing decay isotope sample point Proposed decay isotope sample line Proposed Heli-FLEM survey

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## **BEATRICE 1 TARGET AREA**





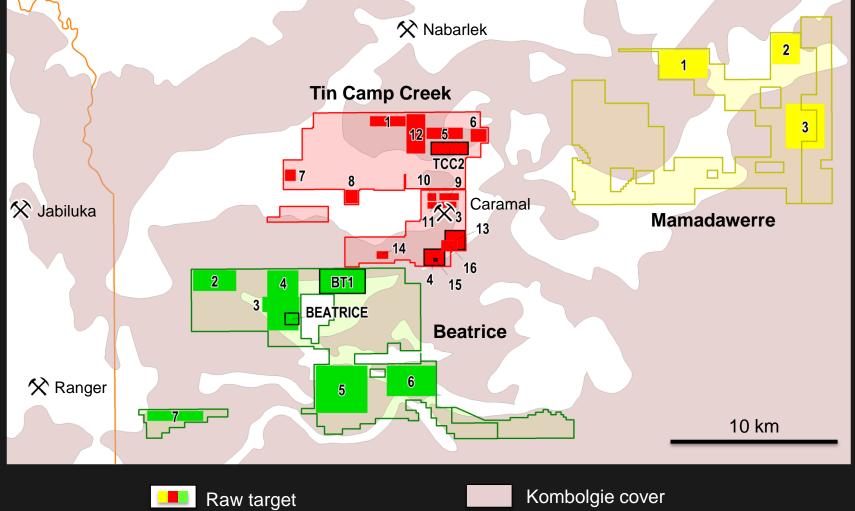
Uranium anomaly
Lower Cahill Formation

Proposed Heli-FLEM loop
Proposed decay isotope sample points

## **2015 FIELDWORK IN PROGRESS**

Selected target





April 15

Basement

## **URANIUM PRICES AND DEMAND**

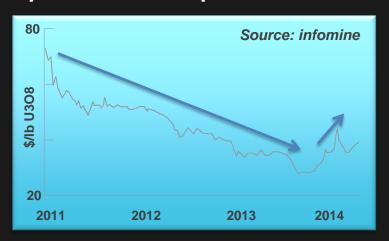


- Fukishima Event impacts prices
- Only lowest cost quartile profitable
- Mine production reduced or closed
- New mine development hiatus
- Exploration hiatus
- No new conversion/enrichment capacity

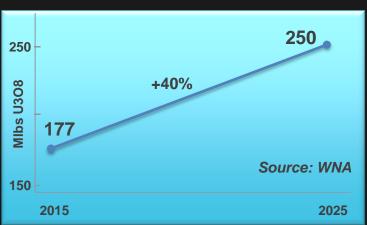
- 437 reactors currently 337 MWe
- 70 reactors in construction 73 MWe
- 183 reactors permitted
   203 MWe
- 311 reactors proposed 340 MWe
- Only 25% 2020 contract coverage

Source: WNA Jan 2015. (inc. 48 Japanese reactors, excludes German reactors, reactors to be retired)

#### Spot U3O8 \$/lb - post Fukishima



#### **Uranium demand 2015 - 2025**



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## CHM CHM CHM



### Why invest in uranium? (thematic opportunity)

- Global warming hedge
- Unloved commodity in unloved market sector
- Uranium price recovering based on fundamentals
- Significant increase in uranium demand each year 2015 2025
- No matching increase in supply evident

## Why invest in Alligator River uranium province? (best in Australia)

- One of four prime global uranium provinces (other three +1000Mlbs U<sub>3</sub>O<sub>8</sub> since '85)
- Contains large, high grade deposits
- Past production 350 Mlbs at 3000ppm U<sub>3</sub>O<sub>8</sub>. Jabiluka 312 Mlbs at 4800ppm U<sub>3</sub>O<sub>8</sub>
- Past discoveries all in "Goldilocks Zone" (partly exposed)
- Under explored (3 Mines Policy 1985, low prices '82 '05, Fukishima 2011
- Imported technologies/methodologies unsuccessful through cover rocks
- Territory and Federal Governments support uranium development
- Australian uranium preferred reliable secure supply

## CHM CHM CHM



## Why invest in Alligator Energy?

- Holds great tenements in core of great uranium province
- Developed two "game changing" methodologies competitive advantage
- First to "see" mineralisation and alteration below cover rocks new opportunity
- Very experienced and successful exploration team Caramal (>5000m drilling/year
   2011 2014)
- Drilled 5 targets in 2014, two yielded >1000ppm U<sub>3</sub>O<sub>8</sub>/3m (most active explorer)
- Distilling target inventory → pipeline of 10 15 → drill test best few in 2015
- Final selection of drill targets April/May
- Strongly committed maintaining good community and industry relations
- Lean efficient explorer
- Key investor (MGL) provides uranium project exploration and evaluation experience
- Share price depressed

Best high-grade uranium exploration investment opportunity in Australia