



9 September 2015  
ASX Announcement

## Drilling starts at Beatrice Project

### Highlights

- **Drilling has commenced on the three top uranium prospects within the Beatrice Project Area, including:**
  - **15 shallow air core holes testing 1km strike length of target BT-4.**
  - **12 shallow air core holes to test extensions up to 300 metres south of the high grade Beatrice Prospect.**
  - **32 shallow air core holes testing 2km strike length of target BT-1.**

**At the Beatrice Prospect the company is seeking high grade southerly extensions to existing uranium mineralisation.**

**At BT-4 and BT-1 definition of anomalous uranium and strong alteration from first pass drilling would be considered a highly positive result and would justify deeper infill drilling.**

Alligator Energy Ltd (ASX: AGE) has started drilling on the Beatrice Project in the Northern Territory seeking high-grade uranium mineralisation. A 3,500 metre shallow drilling program is planned to test three priority targets (BT-4, Beatrice Prospect and BT-1) defined by recent geophysical and geochemical surveys. The program is expected to be completed by the end of October.

The 2015 drilling campaign began on 8 September 2015 at the BT-4 prospect. Drilling is targeting a very strong, north-south trending SAM conductor extending over 1,000 metres. The BT-4 anomaly is located two kilometres north of the Beatrice Prospect along strike from the SAM (Sub Audio Magnetics) conductor, magnetic and uranium mineralisation and soil anomalism that defines the Beatrice Prospect drill target. The target is concealed by sands which render traditional spectrometer and geochemical sampling, as well as radiogenic isotope sampling, ineffective. Light rig drilling is planned to collect weathered bedrock samples from beneath the young alluvial material for radiometric/geochemical analysis. Definition of anomalous uranium and strong alteration by first pass drilling will be considered a highly positive result justifying deeper infill drilling.

Alligator Energy Ltd

ABN 79140575604

Suite 3  
36 Agnes Street  
Fortitude Valley,  
QLD 4006

Ph: (07) 3852 4712  
Fax: (07) 3852 5684

ASX Code: AGE

Number of Shares:  
311.5M Ordinary  
Shares  
16.2M Unlisted  
Options

Board of Directors:  
Mr John Main  
(Chairman)

Mr Robert Sowerby  
(CEO, Director)

Mr Paul Dickson  
(Non Exec. Director)

Mr Peter McIntyre  
(Non Exec. Director)

Mr Andrew Vigar  
(Non Exec. Director)

Mr Greg Hall  
(Non Exec. Director)

### Further drilling planned in 2015

Drilling will proceed to the Beatrice Prospect on completion of initial drill testing of the BT-4 target (refer **Figure 1**). Drilling at the Beatrice Prospect will target a potential southerly extension to previously discovered high grade mineralisation which included 19m@3,626ppm (0.36%)  $U_3O_8$  (ASX announcement- 15 March 2015).

Soil and ground radiometric surveys completed over Beatrice Prospect show strong uranium (>100ppm  $U_3O_8$ ) and strong radiogenic isotope anomalies extending more than 200 metres south from the known high grade mineralisation to the edge of younger cover material. These anomalies are open to the south under the younger cover material. It is planned to drill 12 holes on 4 lines to test this target.

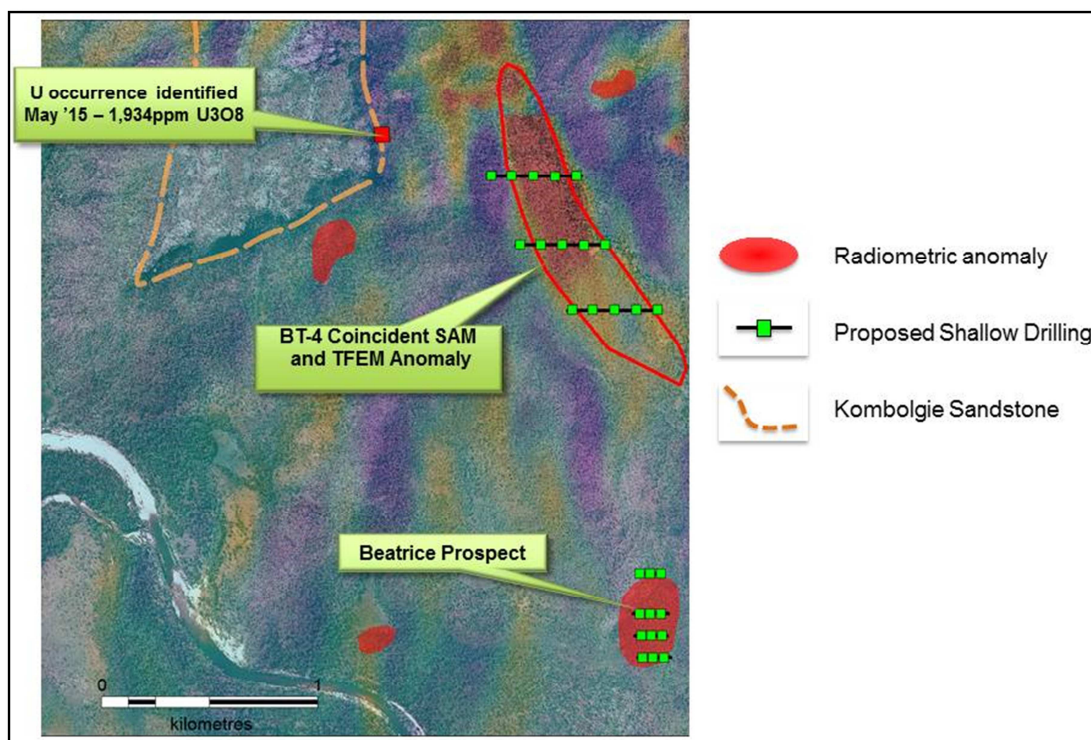


Figure 1: Proposed drilling locations at BT-4 and Beatrice Prospect.

The BT-1 target will be the final target tested during this phase of drilling. Drilling at BT-1 will be testing a very strong, shallow, east-west trending SAM conductor extending over 4,000 metres and associated with a known strong uranium radiometric anomaly but covered by thin, alluvial material. Drilling is planned to collect weathered bedrock geochemical samples from beneath the young alluvial material for radiometric/geochemical analysis. Identification of anomalous uranium and strong alteration will be considered a highly positive result.

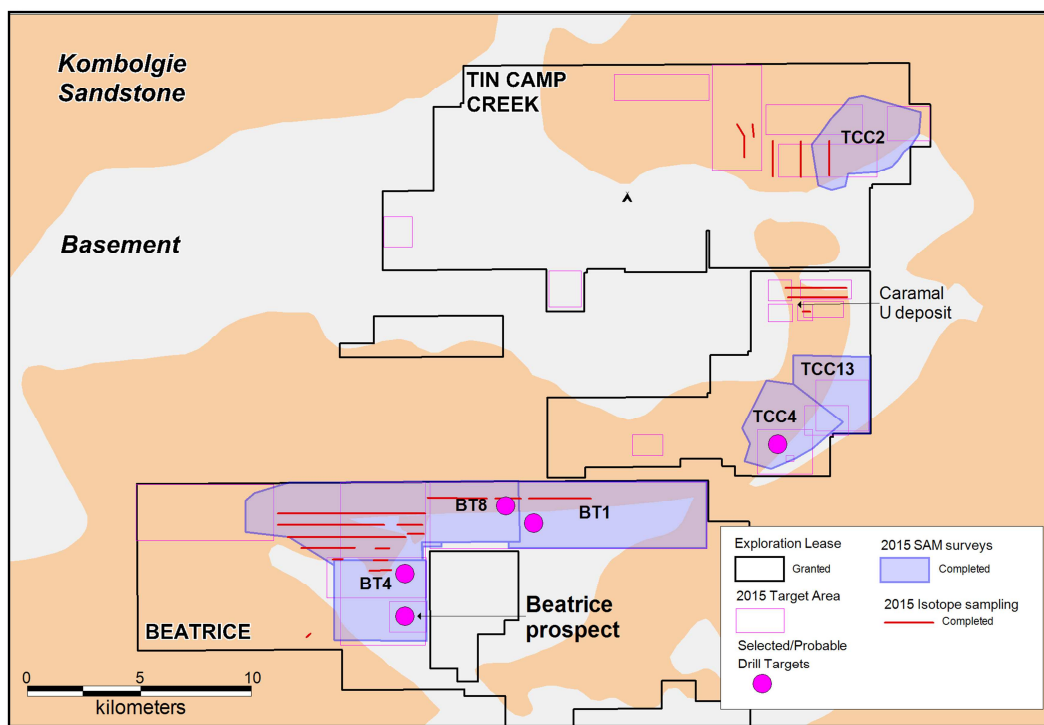


Figure 2: 2015 priority target locations

Alligator will be undertaking radiometric and XRF field screening of drill samples as drilling progresses. The company will provide regular updates including reporting of field results. Field radiometric results will be provided in the interests of continuous disclosure of exploration results. These results should be considered as preliminary prior to final confirmation by laboratory assays.

#### FOR FURTHER INFORMATION, PLEASE CONTACT

Mr Rob Sowerby  
Chief Executive Officer  
Alligator Energy Ltd  
Email: [info@alligatorenergy.com.au](mailto:info@alligatorenergy.com.au)

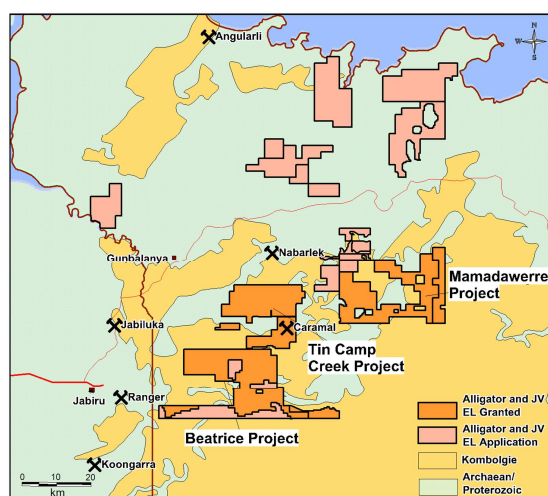
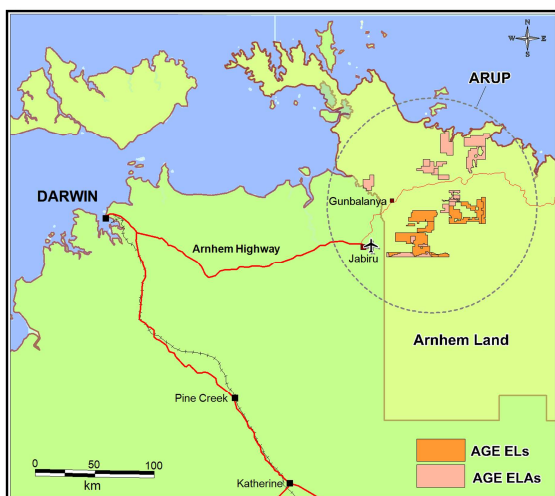
Ian Howarth  
Collins Street Media  
0407 822 319  
[ian@collinsstreetmedia.com.au](mailto:ian@collinsstreetmedia.com.au)

## Competent Person's Statement

Information in this report is based on current and historic Exploration Results compiled by Mr Rob Sowerby who is a Member of the Australasian Institute of Geoscientists. Mr Sowerby is CEO and Director of Alligator Energy Ltd, 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 Sowerby consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

## About Alligator Energy

Alligator Energy Ltd is an Australian, ASX listed, company with uranium exploration tenements in the world class Alligator Rivers Uranium Province in Arnhem Land, Northern Territory. The Alligator Rivers Uranium Province hosts nearly 1 billion pounds of high grade uranium resources and past production, including the Ranger Mine and Jabiluka. The company's assets include the Tin Camp Creek Project and Joint Ventures with Cameco Australia Pty Ltd at the Beatrice and Mamadawerre Projects. Since listing in 2011, the company has defined the Caramal Resource (6.5Mlb U3O8 @ 3100ppm U3O8) and intersected high grade uranium at a number of prospects including Mintaka, South Horn and NE Myra. High Grade uranium mineralisation has also been confirmed at the historic Beatrice Prospect. The company has a strong pipeline of prospects with known high grade mineralisation and potential to discover large (>100Mlb U3O8) high grade resources.



## Project Location Diagrams