



19 December 2014

ASX Announcement

Alligator and Cameco Execute Beatrice JV Agreement

Highlights

- **Alligator (AGE) and Cameco Australia Pty Ltd (Cameco) execute Beatrice Project JV agreement**
- **Under the proposed agreement, AGE may earn 51% of the project by incurring expenditure of \$250,000 by 2 July 2016.**
- **AGE to manage exploration through to Pre-Feasibility Study stage**
- **AGE to commence work on identifying prospective target areas in the Beatrice Project area in early 2015.**
- **Beatrice Project adjoins Tin Camp Creek Project and contains the historic Beatrice Prospect (best historic drill intersection of 7m at 28,000ppm U3O8)**

Alligator Energy Ltd (AGE) wishes to advise that the company has executed the Beatrice JV Agreement with Cameco Australia Pty Ltd (Cameco) to farm-in to Cameco's **Beatrice Project** in the Alligator Rivers Uranium Province. The Beatrice Project is comprised of ELs24291 and 26796 and ELAs 26793, 26794, 26795 (held 100% by Cameco) and is located to the immediate south of the Tin Camp Creek Project area (refer Figures 1). The total project area covers 481km². These tenements will form a contiguous land holding with the TCC Project area that will allow Alligator to pursue prospective structures and mineralised trends identified by exploration on the adjacent TCC Project area. The project area contains known uranium occurrences including the historic Beatrice Prospect (best historic drill intersection of **7 metres at 28,000ppm U3O8** from surface, Queensland Mines Ltd in 1971).

AGE to commence work on Beatrice Project in February 2015.

Alligator plans to commence work on the Beatrice Project early in 2015. Initial work will include systematic sampling of core from Cameco exploration drilling

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ASX Code: AGE

Number of Shares:
306.7M Ordinary
Shares
15.3M 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)

undertaken in 2009 and 2010 at the **Beatrice** and **Violet Prospect** areas. The company will also undertake a re-assessment of existing geophysical data. Structural logging and modelling the geometry of known mineralisation will be undertaken to guide follow up drilling. Radiogenic pathfinder sampling and SAM/TFEM geophysical surveys are planned to commence following consultation with the Northern Land Council (NLC) and Traditional Owners in the first quarter of 2015.

The Beatrice Project was identified by Alligator as a priority area for exploration, initially based on the presence of prospective regional structures which host uranium mineralisation at South Horn and Mintaka on the adjacent Tin Camp Creek Project. Work undertaken by Alligator in 2014, most notably SAM geophysical surveys and an extensive radiogenic pathfinder geochemical survey highlighted these broad structural zones which extend from the Orion South area into the Beatrice Prospect area.

Drilling of an airborne Electromagnetic (EM) survey anomaly by Cameco in 2010 intersected mineralisation at the Violet Prospect (21m @ 412ppm U3O8 from 30m). The Violet Prospect shows similarities to the South Horn Prospect 30km to the east, both prospects are located adjacent to the same regional, arcuate structural zone.

Alligator considers that by applying techniques refined over the past two years, the company can quickly and efficiently define top class drill targets within these structural trends.

Key Terms of Agreement

The key terms of the proposed Joint Venture are as follows:

- Alligator may earn a Stage 1 interest of 51% of the project by exploration expenditure of \$250,000 prior to 2 July 2016.
- Alligator may maintain its Stage 1 interest by sole funding to a total of \$2.0 million for exploration activities prior to 1 December 2017 (Stage 2).
- Following completion of Stage 2, Cameco may elect to fund continuing exploration on a pro-rata basis to maintain a 49% interest or dilute its interest
- If AGE fails to meet its expenditure commitments up to the end of Stage 2, AGE will forfeit its interest in the Beatrice Project.
- On definition of a resource of 75Mlb U3O8 resource (inferred+indicated+measured), the JV must commence a NI43-101 compliant Prefeasibility Study (PFS) within 12 months of identifying a qualifying resource.
- Cameco may elect to manage and operate during the PFS stage and fund 51% of the PFS following a payment of \$2 million to AGE, provided they have maintained a 49% interest.

- Following completion of the PFS, Cameco may acquire an additional 2% of the Beatrice Project (for a total of 51%) by paying AGE:
 - For a total resource of less than 100Mlb U3O8, an amount equal to 2% x Total Resource (lbs U3O8) x \$5/lb U3O8 less the initial PFS payment (\$2 million).
 - For a total resource of greater than 100Mlb U3O8, an amount equal to 2% x Total Resource (lbs U3O8) x \$6/lb U3O8 less the initial PFS payment (\$2 million).

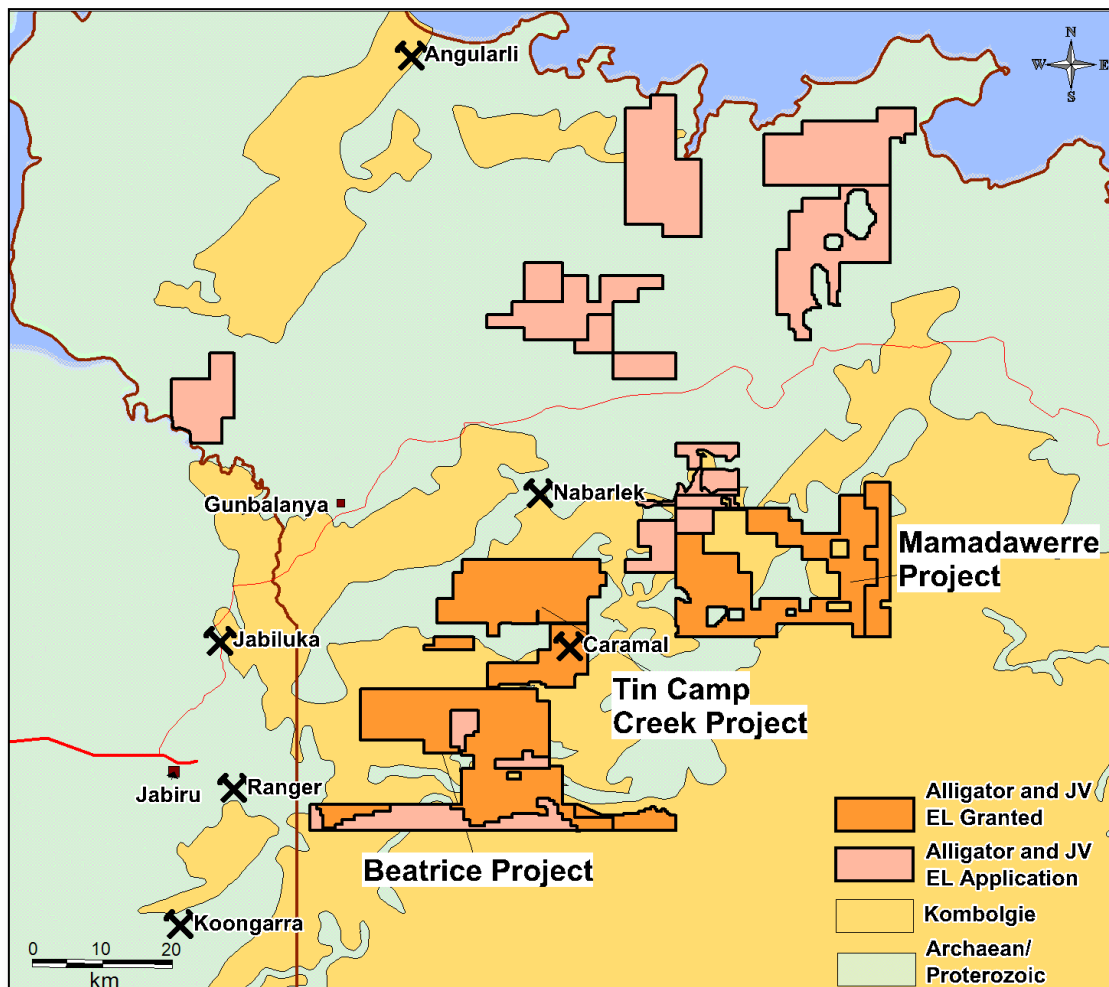


Figure 1: Beatrice Project Regional Location

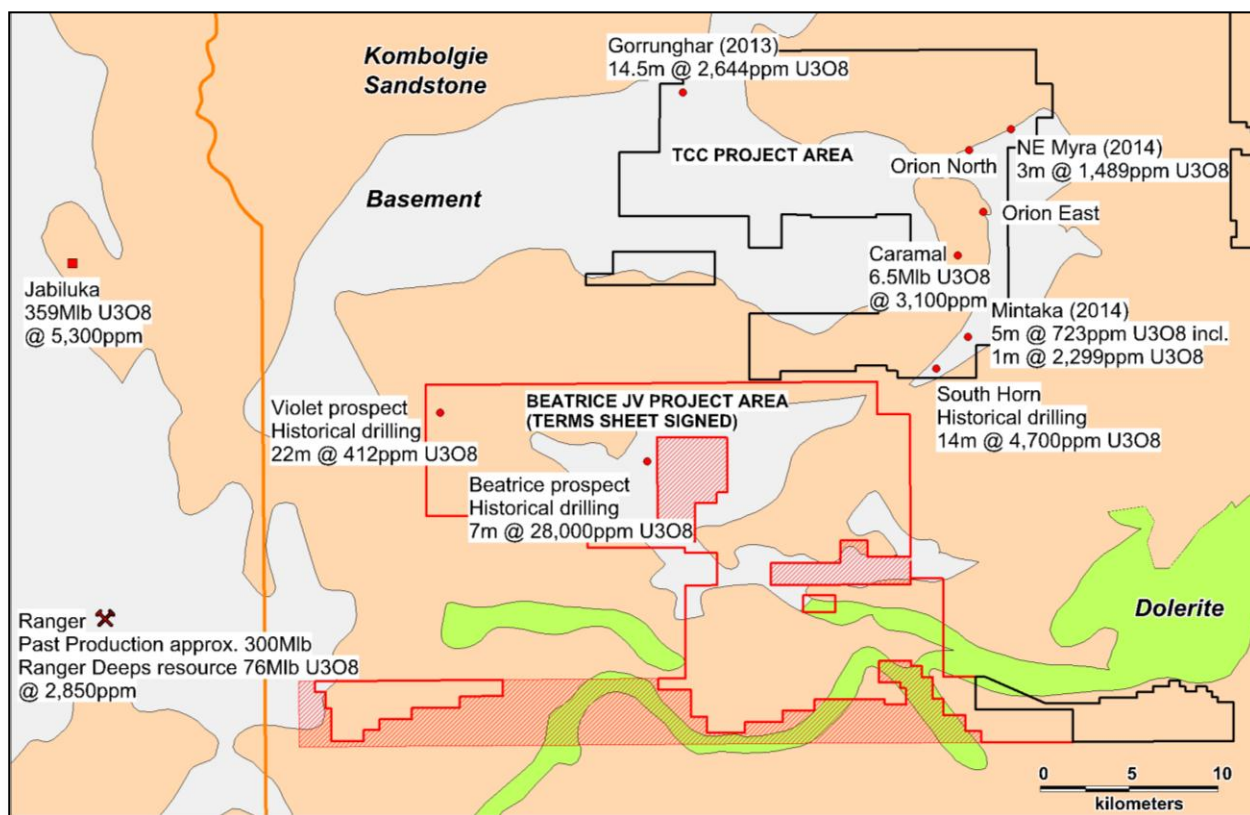
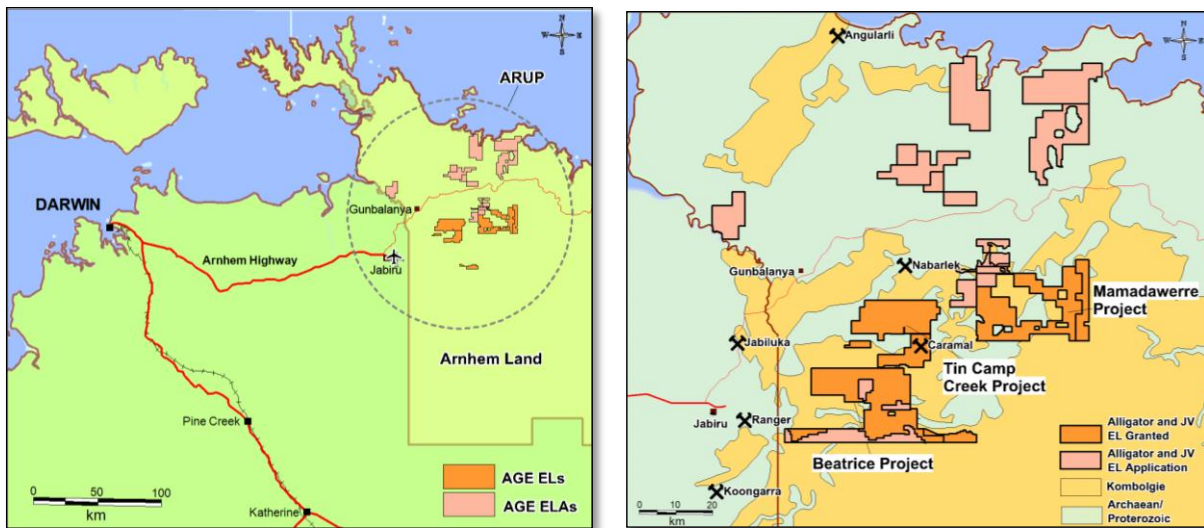


Figure 2: Beatrice JV and TCC Project Areas

About Alligator Energy

Alligator Energy Ltd is an Australian, ASX listed, exploration 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 flagship project is the Tin Camp Creek Project. Since listing in February 2011, the company has completed in excess of 15,000m of drilling, defined a maiden high grade, JORC compliant resource at Caramal (6.5Mlb U3O8 at 3100ppm U3O8) and discovered new mineralization at Mintaka and Orion East. High Grade mineralization also occurs at the historic South Horn and Gorrunghar prospect which remain only partially tested.

The company has in excess of 1000km² of Exploration Licence applications and is also in Joint Venture with Cameco Australia Pty Ltd for the Mamadawerre Project, also within the Alligator Rivers Uranium Province



Project Location Diagrams

FOR FURTHER INFORMATION, PLEASE CONTACT

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Competent Persons Statement

Information in this report is based on 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.