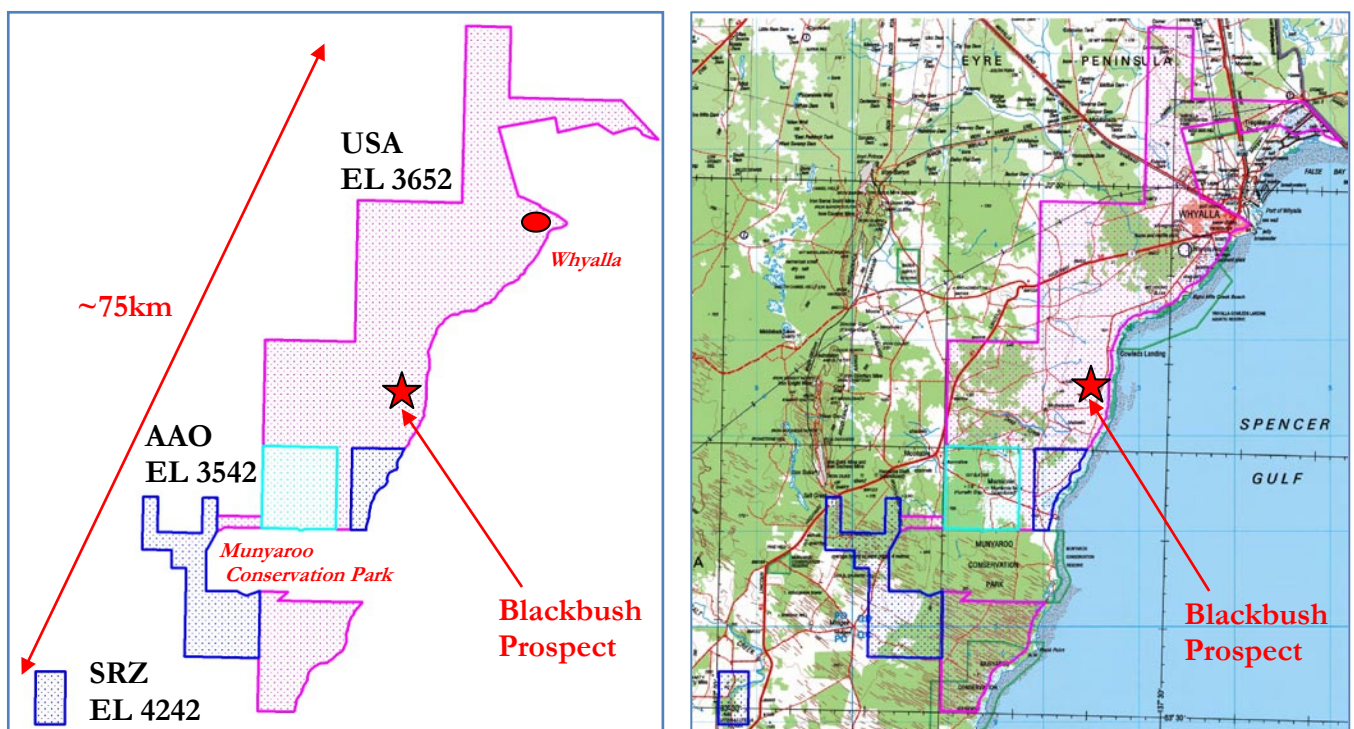


Friday, 19<sup>th</sup> June 2009.

AUSTRALIAN SECURITIES EXCHANGE  
COMPANY ANNOUNCEMENTS PLATFORM  
ASX CODE USA

## ***Extension of uranium prospective redox front through the area of the Joint Ventures with Stellar Resources Limited and Australasia Gold Limited***

Following the announcement of Joint Ventures with Stellar Resources Limited (SRZ) and Australasia Gold Limited (AAO) (ASX Friday 12<sup>th</sup> June 2009) UraniumSA Limited (USA) is pleased to provide the following information on the prospectivity of the newly available areas.



The package of exploration tenure extends approximately 75km along strike and comprises;

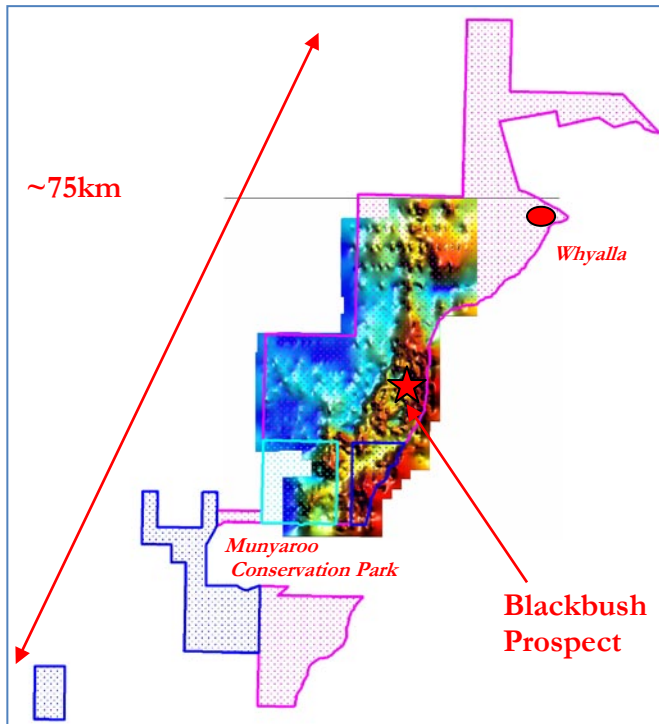
**EL 3652** USA 100% (666 km<sup>2</sup>, pink).

**EL 3542** AAO with USA entitled to 70% through Joint Venture (67km<sup>2</sup>, light blue).

**EL 4242** SRZ with USA entitled to 70% through Joint Venture (134km<sup>2</sup>, dark blue).

The city of Whyalla is in the north of the area but is effectively excluded from the tenure. To the south, the tenements surround the Munyaroo Conservation Park.

The exploration work done by USA which resulted in the discovery of the Blackbush Prospect (ASX 5<sup>th</sup> May 2009) has focussed on tracing oxidation features developed eastwards and down-dip from the western edge of Eocene sedimentation. Significant uranium mineralisation is present only in the Eocene sediments.



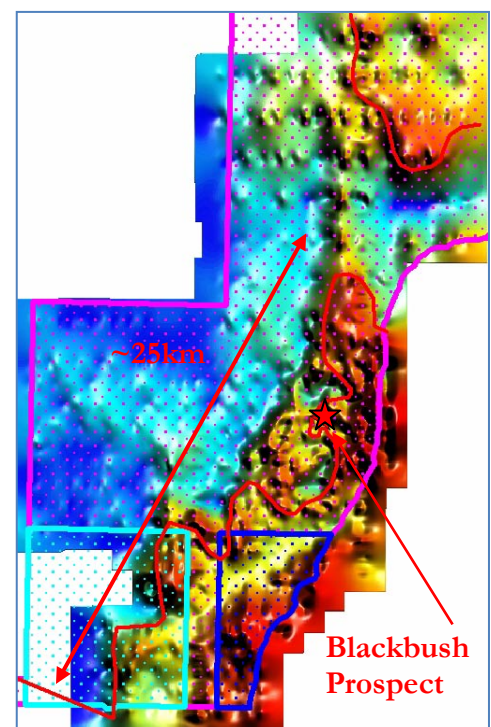
The tenure package extends ~75km northeast-southwest. To date, USA's exploration efforts have focussed on a ~25km section where the trace of the western edge of the Eocene sediments has been mapped by interpretation of an airborne electromagnetic survey (ASX 30th September 2008) and by regional drilling.

The AEM and regional drilling has established the distribution of Eocene sediments which are permissive for the formation of roll-front style uranium mineralisation, and identified anomalous uranium at favourable positions within the sequence. From open file reports on exploration drilling we know that similarly prospective Eocene sediments occur within the Joint Venture areas (BHP 1980-02, exploration for lignite).

On the AEM image to the right, the interpreted trace of the western edge of Eocene sedimentation, which is the focus for the exploration effort, is shown as a solid red line. The Blackbush Prospect, shown as a red star, lies within an embayment in this trace which extends to the southern limit of the Joint Venture ground.

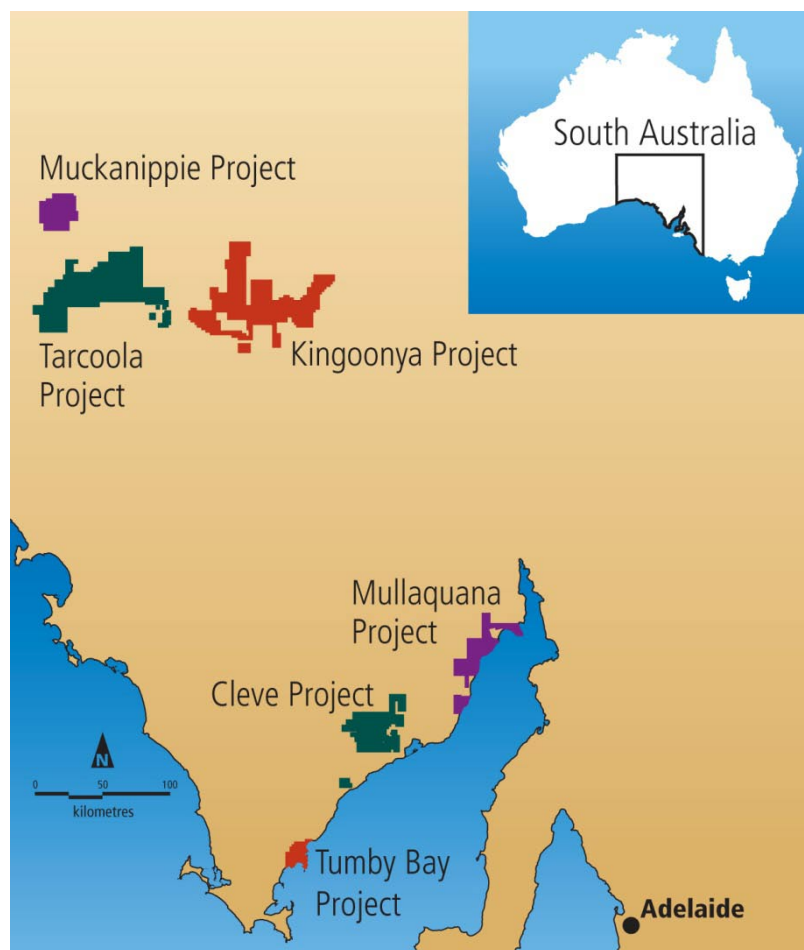
USA is continuing regional traverse drilling away from Blackbush at 800m to several kilometre step-outs, and working south towards the Joint Venture ground. This drilling will continue, for the next several work rotations while preparations are being made to commence pattern drilling at the Blackbush Prospect.

Systematic, broad spaced drilling has been completed over only ~2.5km of the presently recognised ~25km strike extent of the western edge of Eocene sedimentation. As traverse and pattern drilling extends south into the Joint Venture ground, and north into USA tenure, the Company is confident that new intersections of potential ore grade uranium mineralisation will be made.



The SRZ and AAO Joint Ventures and its own 100% owned tenure gives USA exploration control over those parts of the Pirie Basin which it considers most prospective for the discovery of repetitions of the recently announced Blackbush Prospect (2,700t contained U<sub>3</sub>O<sub>8</sub>, ASX release 5<sup>th</sup> May 2009).

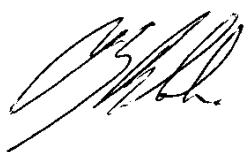
## About UraniumSA Limited



UraniumSA is an Adelaide-based uranium-only explorer specialising in sediment-hosted styles of uranium mineralisation within a substantial portfolio of properties in South Australia's Gawler Craton.

The Company has discovered sediment hosted uranium mineralisation at Mullaquana. The Blackbush Prospect has an Inferred Resources of ~2,700 t contained  $U_3O_8$  and exploration of other prospects is continuing.

Exploration of the Mullaquana Exploration Licence is continuing and work across ground controlled through Joint Venture is being scheduled.



Russel Bluck  
Managing Director  
UraniumSA Limited

*The exploration results and mineral resources reported herein are based on work and information compiled by Russel Bluck a Member of the Australian Institute of Geoscience and employees of UraniumSA Limited. Mr Bluck has sufficient experience relevant to the style of mineralisation and type of deposits being considered and to the activity which he is undertaking 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) and has consented in writing to the inclusion in this report of matters based on his information in the form and context in which it appears.*