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AUSTRALIAN SECURITIES EXCHANGE LIMITED

COMPANY ANNOUNCEMENTS PLATFORM

ASX CODE USA

ACTIVITIES REPORT
3 MONTHS ENDED 31st DECEMBER 2007

Please refer to the map at the end of this release for the locations of the projects being reported on.

Exploration overview

1. **Mullaquana**. Uranium mineralisation was discovered in the Kanaka Beds of the Pirie Basin. As previously reported (12 and 21 December 2007, 2 January 2008) significant uranium mineralisation was encountered in 4 of the 8 holes drilled into what is now recognised as the prospective area (four holes were drilled on targets outside this area). The results are provided at the end of this report.

   The Mullaquana uranium mineralisation is a new discovery. It occurs within the Kanaka Beds of the Pirie Basin and in an area with no previous history of uranium exploration. The site is geographically isolated from any other occurrences of sediment-hosted mineralisation.

   Mineralisation at Mullaquana is associated with an apparent reduction-oxidation interface that transgresses the Miocene sequence stratigraphy, and with carbonaceous coarse grained sands within the Eocene sequence. The characteristics of the mineralisation are consistent with a sediment hosted reduction-oxidation front style of mineralisation. There are no indications that heavy minerals, radon or other materials make a significant contribution to the gamma responses measured and reported to the market.

   On the basis of information from historic drill holes and the above Company drilling, the prospective stratigraphy appears to extend for some 12 km to the north. The southern extent of the prospective stratigraphy is presently unknown; drill hole MRM-011 collared ~ 4.5 km south of the discovery hole was abandoned in a cave in limestone at 40m without intersecting the target.

   The Company will recommence exploration drilling of the Mullaquana prospect in the week commencing 14th January 2008. Holes will be spaced at intervals of ~ 1 km to define the size extent of the envelope of mineralisation. It is anticipated that some 20 holes for ~1,600m will be completed.

2. **Kingoonya Palaeodrainage System** project.

   Heritage Clearance surveys of the Muckanippie project and substantial portions of the Tarcoola and Kingoonya projects were completed with the **Antakirinja Matu-Yankunytjatjara Native Tile Claimants**. Documentation is being finalised. The Antakirinja Matu-Yankunytjatjara Team briefed

our Chief Geologist, Wade Bollenhagen, on the mythology and significance of the area and features within it. This courtesy has provided the Company with a cultural context for its work in the area that it is incorporating into its ongoing exploration activities.

The Company has commenced the negotiation process with the other Native Title Claimant groups in the area of its Kingoonya palaeodrainage tenements.

Drilling. The start of sustained exploration drilling of the Tarcoola, Kingoonya and Muckanippie projects has been delayed while the Company rig drills out the envelope of mineralisation at Mullaquana. The rig is presently scheduled to move to Tarcoola on February 25th 2008 and will remain on the Kingoonya Palaeodrainage project with work currently scheduled through to the end of June 2008.

The **Tarcoola project** of the **Stellar JV** will be the first area drilled, commencing February 25th 2008, with priority given to AEM and other targets.

The **Kingoonya project**, which includes the **Marathon JV**, will be drilled commencing April 7th 2008, initially following up the Blackoak Bore uranium mineralisation.

The **Muckanippie project** will be drilled commencing May 19th 2008, initially following up the Bradman Outstation uranium mineralisation.

It is anticipated that the rig will remain based at Tarcoola working across all three project areas as required.

3. **Cleve.** The results of calcrete sampling have been received and are being complied. In-fill and extension sampling will be carried out in the first quarter of 2008.

   Assays from surface rock chipping of scintillometer anomalies over granites and metasediments in the east of the tenement area returned evaluated but not anomalous uranium values. Further field work will be carried out.

4. **Tumby Bay**. Calcrete sampling that has been scheduled for this area has not yet commenced.

5. **Base Metal exploration**.

   The Muckanippie project (UraniumSA 100%) covers a significant portion of the **Muckanippie Anorthosite Complex**, an assemblage of mafic rocks that are prospective for copper-nickel and platinum group element (PGE) mineralisation. In the course of its exploration for sediment hosted uranium in the young cover sequences UraniumSA has compiled all of the historic exploration data and integrated it with the results of its recent AEM surveys. From this work, the Company has compiled an interpretive geological map of the complex and identified a range of geophysical targets in geologically permissive setting. The Company is continuing to work up the data to define targets and rank their exploration potential.

   The Pyramid Bore tenement (UraniumSA 100%), part of the Kingoonya project, contains the Kanara Bore and Lake Patricia geophysical targets.

   Kanara Bore is located on a regional 10 km by 20 km north-northeast trending ridge in the gravity data that has a maximum amplitude of some 6 mGal. There are a number of discrete gravity anomalies within the regional feature and UraniumSA carried out in-fill gravity surveying to define a drillable target at a depth of 600m to 1,000m. The Kanara Bore target is prospective for IOCG mineralisation and is of a comparable quality to targets that are being regularly drill tested by other explorers across the Gawler Craton.

   Lake Patricia is targeted on partially coincident gravity and magnetic anomalies that are interpreted as the eastern-most extent of the Harris Greenstone Belt. Dampier Mining Company (BHP) identified the target in 1978.

   Dampier developed geological concepts for copper-nickel and gold mineralisation, carried out gravity and magnetic surveys, and drilled a hole that terminated at 675m without reaching target.

Their geophysical work and drill testing was very innovative for its time and was at the limits of the technologies available to them. The Dampier targeting rationale remains valid and UraniumSA considers this an excellent exploration play.

UraniumSA has carried out additional gravity surveying and used modern computer based data processing to refine the modelling of the geophysical target. This work indicates that a hole collared ~1.5 km east of the previous Dampier hole would intersect the target at a depth of ~800m.

Projected activity to 31 March 2008

Mullaquana. Drilling with the Company rig to outline the envelope of mineralisation will commence January 14th 2008 and continue until 17th February 2008. It is anticipated that up to 20 additional holes will be drilled.

Kingoonya Palaeodrainage System project – Tarcoola, Kingoonya and Muckanippie.

The Company rig will arrive in Tarcoola to commence work on 25th February 2008. Drilling has been scheduled across the Tarcoola, Kingoonya and Muckanippie projects for the first two quarters of the 2008-year.

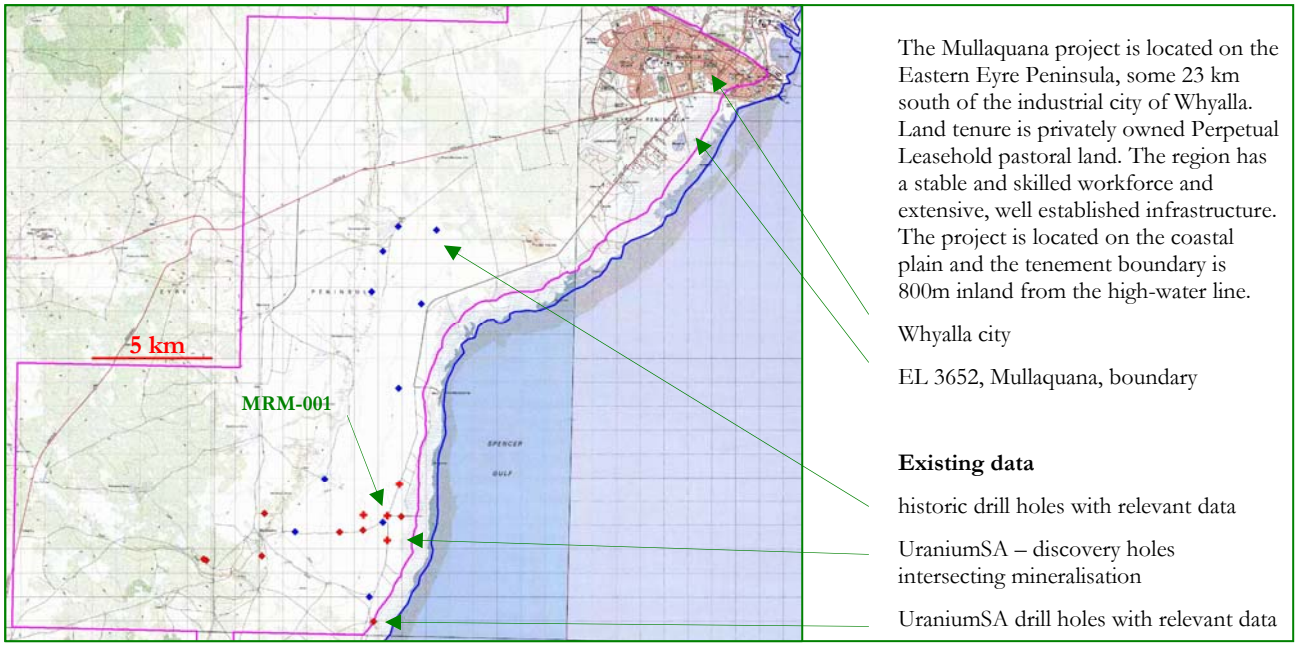
Native Tile negotiations will continue with Claimant groups.

Cleve. The calcrete coverage will be extended. Work will commence to geophysically define the Boothby prospect.

Tumby Bay. Calcrete sampling and geological mapping to follow up uranium anomalies obtained in the aircore drilling will be completed.

Base Metal projects. Technical work will continue on these projects to refine the geology, geophysics and targeting. As this information becomes available, the Company will determine whether to continue to develop these projects for exploration by the Company, or to seek to Joint Venture them.

Mullaquana – location of data points



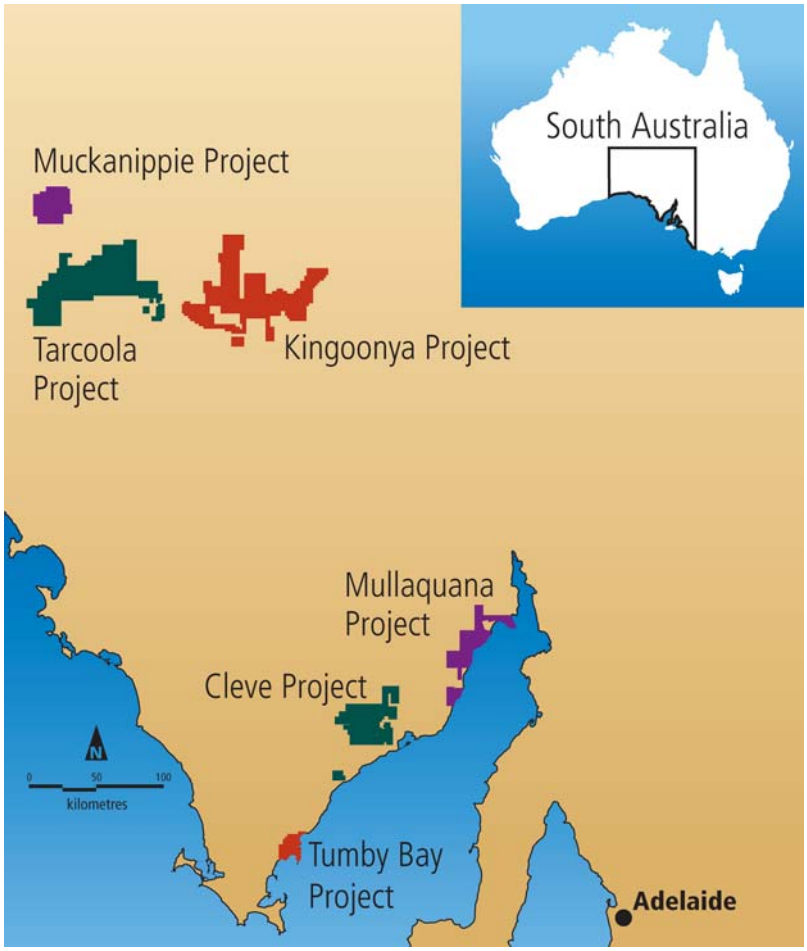
Mullaquana drill results

The general location of the drill holes completed to date, and of relevant historic drill holes, is shown in the attached figure. As these are broad spaced reconnaissance drill holes, collar locations in the table below are given with reference to the discovery hole MRM-001 (refer to the attached figure) and specific collar coordinates are not given.

Hole ID	Location	Depth	Result
MRM-001 *released 12/12/2007*	24 km SW of Whyalla	98m	57.98m to 59.91m, 1.92m @ 0.010% eU_3O_8
MRM-002 *released 12/12/2007*	1.2 km SW MRM-001	98m	target stratigraphy intersected, uranium anomalous
MRM-003 *released 12/12/2007*	2.1 km SW MRM-001	98m	target stratigraphy intersected, uranium anomalous
MRM-004 *released 12/12/2007*	1.0 km W MRM-001	98m	45.89m to 46.20m, 0.31m @ 0.010% eU_3O_8 47.09m to 48.20m, 1.11m @ 0.010% eU_3O_8
MRM-005 *released 12/12/2007*	0.6 km E MRM-001	64m	target stratigraphy intersected, uranium anomalous
MRM-006 *released 12/12/2007*	4.8 km W MRM-001	32m	target stratigraphy not present
MRM-007 *released 2/01/2008*	5.5 km SW MRM-001	66m	target stratigraphy intersected, uranium anomalous
MRM-008 *released 2/01/2008*	7.8 km SW MRM-001	22m	target stratigraphy not present
MRM-009 *released 2/01/2008*	7.9 km SW MRM-001	28m	target stratigraphy not present
MRM-010 *released 2/01/2008*	1.0 km S MRM-001	70m	47.1m to 49.0m, 1.9m @ 0.015% eU_3O_8 56.6m to 57.7m, 1.1m @ 0.018% eU_3O_8
MRM-011 *released 2/01/2008*	4.5 km S MRM-001	40m	abandoned in limestone short of target
MRM-012 *released 2/01/2008*	1.5 km NE MRM-001	92m	51.2m to 52.2m, 1.0m @ 0.013% eU_3O_8 65.9m to 67.2m, 1.3m @ 0.014% eU_3O_8

The reader should refer to the Company reports to ASX of 12th and 21st December 2007 and 2nd January 2008 for more information on the drilling and the above results.

About UraniumSA Ltd



UraniumSA is an Adelaide-based uranium-only explorer specialising in palaeochannel or rollfront and unconformity styles of uranium mineralisation within a substantial portfolio of properties in South Australia's Gawler Craton.

The focus of the rollfront uranium search is within its substantial tenement holding over the highly regarded Kingoonya Palaeodrainage System which hosts the Warrior and Ealbara uranium prospects in adjoining tenements.

The Company has discovered sediment-hosted uranium mineralisation at Mullaquana on the eastern seaboard of Eyre Peninsula. Drilling to define the envelope of mineralisation is presently underway.

Russel Bluck
Managing Director
UraniumSA Limited

The exploration results reported herein, insofar as they relate to mineralisation, are based on information complied by Mr. Russel Bluck a Member of the Australian Institute of Geoscience and an employee 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). Mr Bluck consents to the inclusion in the report of matters based on his information in the form and context in which it appears. It should be noted that the abovementioned exploration results are preliminary.