

23 April 2008



AUSTRALIAN SECURITIES EXCHANGE LIMITED
COMPANY ANNOUNCEMENTS PLATFORM
ASX CODE USA

ACTIVITIES REPORT 3 MONTHS ENDED 31st MARCH 2008

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

Exploration overview

1. Mullaquana project.

Drill testing of the sediment hosted uranium mineralisation in the Mullaquana tenement continued to mid-February 2008. Holes were drilled at irregular intervals, generally ~1 km apart, with spacings ranging between 0.8 km and 2.4 km. A total of 33 holes for an aggregate total of 2,272m were completed in the program, 4 were abandoned because of circulation loss, and 10 were drilled outside what is now recognised as the prospective trends. Of the 21 holes that drilled into the target horizons, 14 intersected significant uranium mineralisation.

This regional reconnaissance drilling identified two uranium mineralised trends, the Mullaquana trend (>19km, open to the east and south) and the less well-defined Nanowie trend (~6km, open to the north).

Within the Mullaquana trend, drilling identified areas containing potentially economically significant sediment hosted uranium mineralisation (defined by the 0.050 m%eU₃O₈ accumulation contour). The best defined - *accumulation envelope No1* – has an area of ~2.5 km², and approximately 1 km to the immediate south there is another potential accumulation envelope. Neither of the accumulation envelopes is well constrained by drill hole information (locally, holes are from 0.9km to 1.6km apart) and in-fill drilling is being scheduled.

Details of all of the holes drilled to date at Mullaquana were provided in an ASX release dated Wednesday 12th March 2008.

2. Kingoonya Palaeodrainage System project.

Drilling. On Friday 29th February 2008 the Company owned drilling plant commenced drilling at Tarcoola.

Tarcoola project, the Stellar JV. For commencement on Friday 29th February, the first holes were drilled at and north of the Tarcoola township to confirm the AEM interpretation of the palaeodrainage system. Subsequent holes targeted the Peela Swamp prospect to trace the known shallow surficial uranium mineralisation downstream towards the main channel system. The thick, deep, sections of unconsolidated and free flowing coarse grained lignitic sands which

have been intersected have caused some drilling problems and initially slowed drilling advance rates significantly. Changes to the operating procedures have overcome these problems and high daily meterage advance rates are now being achieved.

Kingoonya project. Includes the **Marathon JV**. The drilling difficulties encountered at Tarcoola have delayed to commencement of operations at Kingoonya. The drill plant will move into the area from Monday 28th April 2008.

Muckanippie project. Drilling will commence when the drill plant moves from Kingoonya, and is presently scheduled for late May 2008.

Heritage Clearance surveys. A Native Title Mining Agreement has now been signed by the Antakirinja Matu-Yankunytjatjara Native Title Claimants and UraniumSA, Stellar, and Marathon. We look forward to a long and mutually beneficial relationship with the Claimants.

3. **Cleve, Tumby Bay.** No significant work was undertaken during the period.
4. **Base Metal exploration.** Limited work was carried out on the base metal projects.

Projected activity to 30 June 2008

Mullaquana.

To ensure that exploration momentum can be maintained at Mullaquana the Company has decided to put a second wholly-owned drill plant into the field. As of the date of this report, most of the equipment has been sourced and refurbishment has commenced. It is anticipated that drilling will recommence at Mullaquana early July 2008.

The host sequence for the Mullaquana sediment-hosted uranium mineralisation extends south out of the Company tenement. Negotiations for Joint Venture with the three parties holding the majority of this ground are well advanced.

Whilst Native Title has been extinguished over much of the land at Mullaquana, the Cultural Heritage of the Barngarla people remains. The Company is well advanced with negotiating a Native Title Mining Agreement with the Barngarla Native Title Claimant Group to provide a framework for the conduct of Heritage Clearance surveys across the area.

As the Company formulates its plans for more advanced exploration in localised areas at Mullaquana, it will be negotiating with the pastoral landowners to ensure that they are not disadvantaged by our activities.

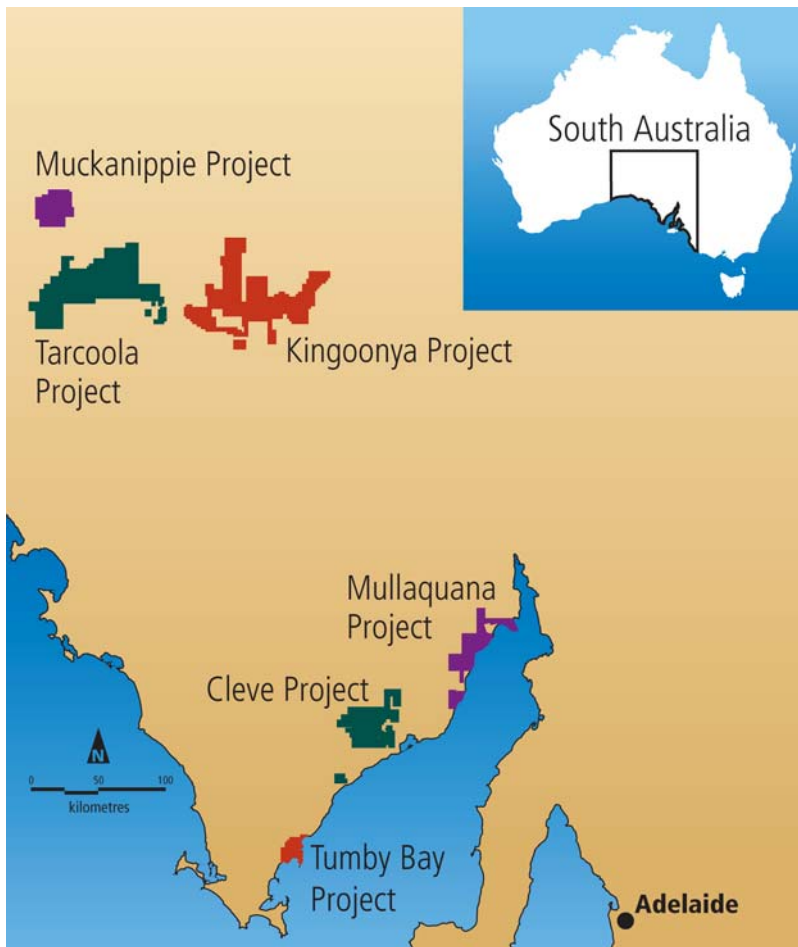
Kingoonya Palaeodrainage System project – Tarcoola, Kingoonya and Muckanippie.

The first drilling rotation at Tarcoola has been completed. The drill plant will move to Kingoonya to follow-up the Blackoak Bore uranium prospect with work commencing from Monday 28th April 2008. Following two work rotations at Kingoonya the drill plant will move to Muckanippie.

Over the next several months, the drill plant presently working on the Kingoonya Palaeodrainage System will be re-mounted to a 6x6-wheel drive truck. This will significantly improve the mobility of plant and equipment through the Tarcoola, Kingoonya and Muckanippie project areas.

Native Title negotiations will continue with Claimant groups.

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 compiled 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.