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## **QUARTERLY ACTIVITY REPORT**

**SEPTEMBER 2009**

### **WOOLGAR GOLD PROJECT – QUEENSLAND**

Strategic Minerals Corporation NL, 100%

Previous drilling completed in 2008, conducted in areas adjacent to old workings in the Mowbray area of the Woolgar project, located significant gold intersections. Soil and rock chip sampling also carried out in 2008, added significant knowledge in general trends of the lode zones containing gold in this area.

A follow-up drill program has been designed to test the two established priority targets areas. The two priority target areas are as follows:

1) The new Big Vein discovery located approx. 7.5 km west of the Company's Sandy Creek gold deposits, where the small first pass late 2008 drill program (11 RC holes) recorded numerous gold intersections including:

- 5m @ 39.3g/t gold intersection in first & only hole at new big vein target.
- 12m @ 2.76 g/t gold intersection at big vein no. 2 target.  
(Refer to Oct – Nov 2008 Quarterly Report for full details)

The holes, which returned the significant intersections at Mowbray, were part of a widely dispersed reconnaissance first pass drill program directed at structural and geochemical targets defined over a 2.5 km strike length.

2) Shallow 'blind' extensions of the Lost World zone, where it extends under Jurassic sandstone cover to the NE.

Ground geophysics (IP) and additional soil geochemical sampling programs (MMI sampling) are also proposed to explore for additional 'blind' positions along the Woolgar Fault zone.

## **On Going Work Programs**

During the September quarter activities were focussed on finalisation of drill planning to test the strategic targets at the Mowbray NE, Big Veins North and Big Veins South areas to intersect the mineralisation beneath several previously drilled holes and along the north and south extension of identified zones.

Field activities during the quarter included hole/track mark out, aboriginal land clearances and drill pad and track preparation for drilling at selected sites. The initial planned program will consist of an initial 16 holes for a total of 1090 metres of RC drilling although it is likely this will be extended dependant upon results. (refer map of drill targets attached).

### **Lost World Resource Model Update**

As part of ongoing prefeasibility assessments a resource model update for the Lost World deposit is yet to be finalised. The new model integrates recent infill drilling and tighter geological and geostatical constraints and is indicating an overall lower grade to the Lost World deposit resulting in a reduction in the global ounces. Further work is currently being scheduled for when working capital permits, as part of the next phase of prefeasibility work, to further assess and finalise the resource estimate to JORC standards.

Figure 1. Plan of the Woolgar Project area and location of the new Big Vein target in relation to established drilled gold deposits.

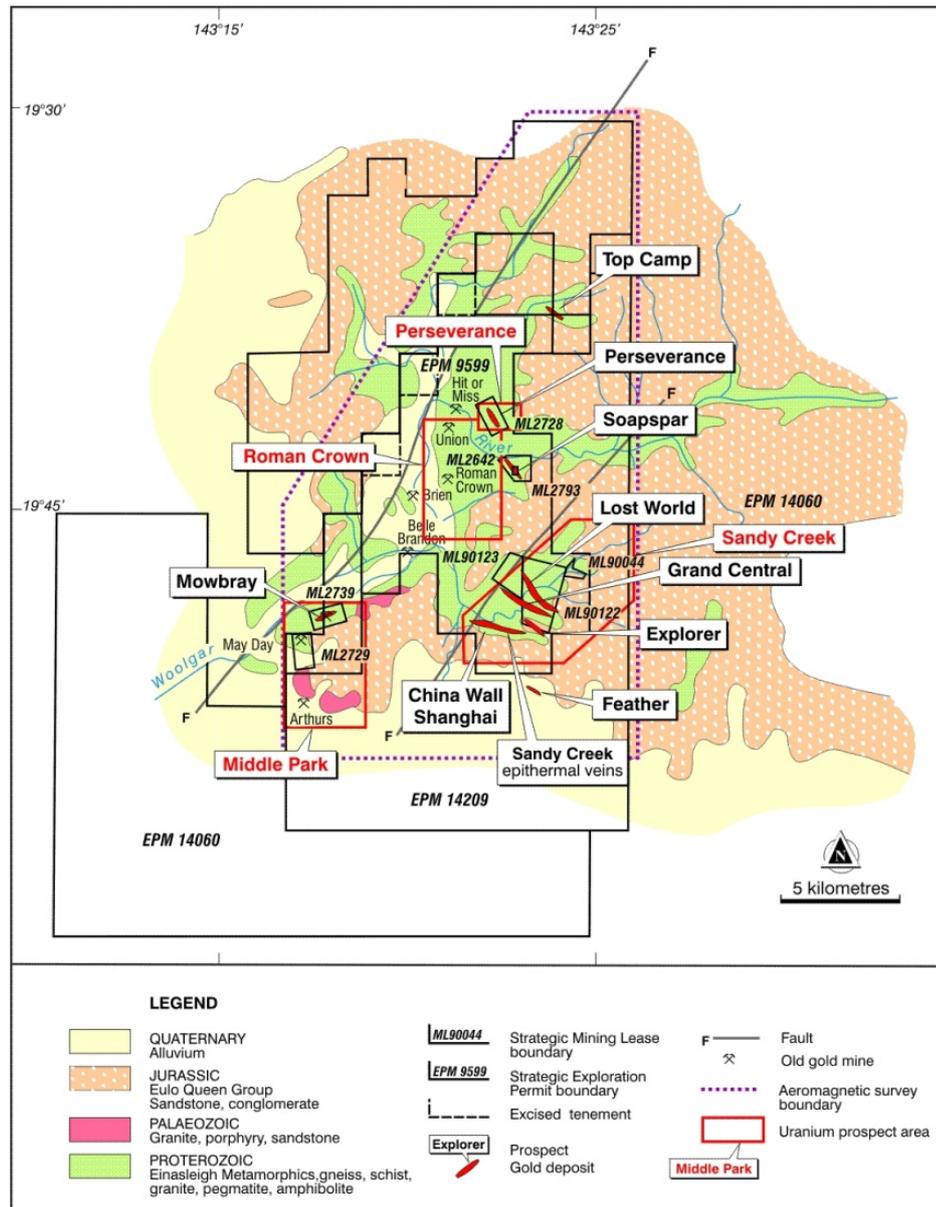
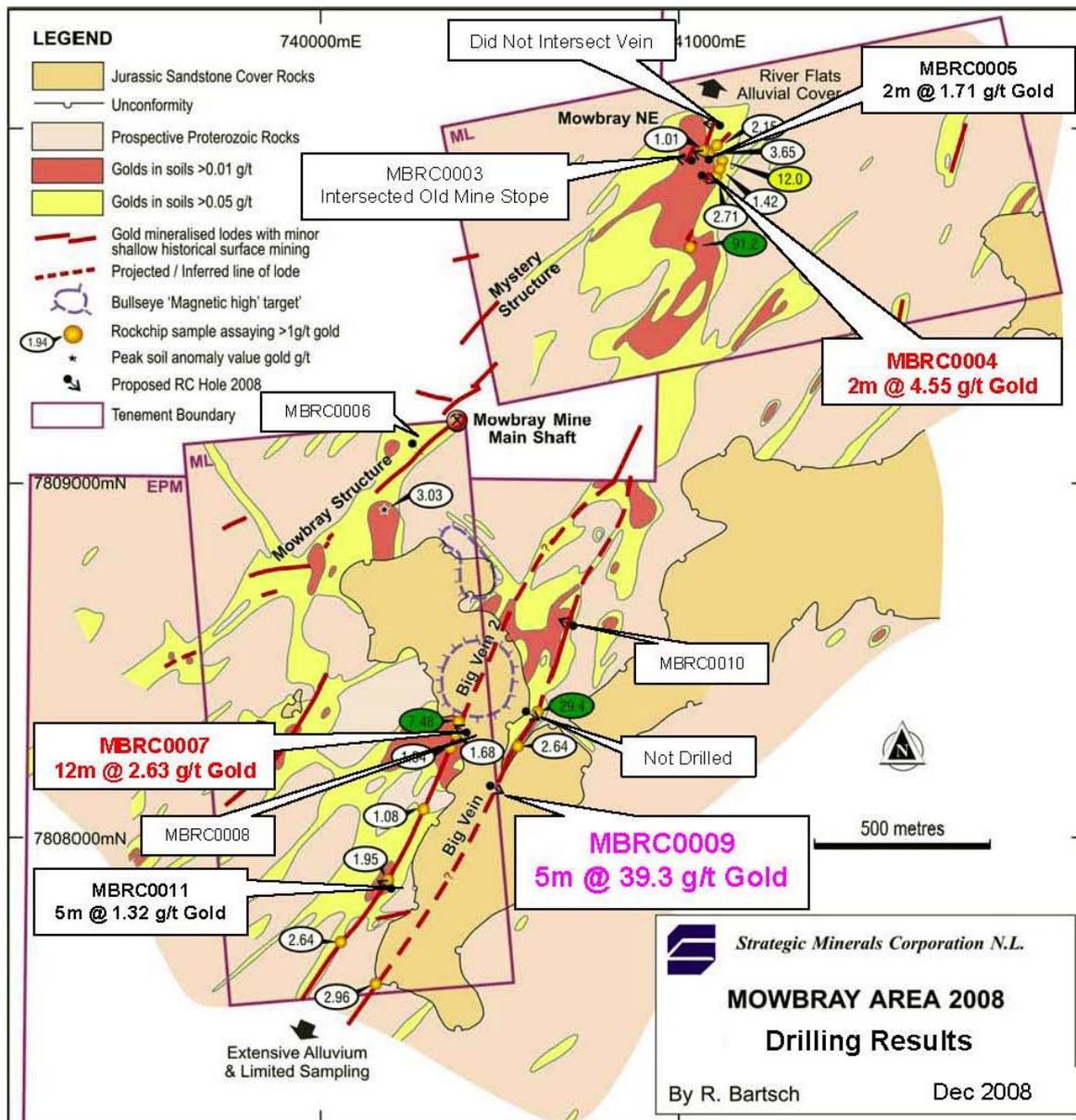
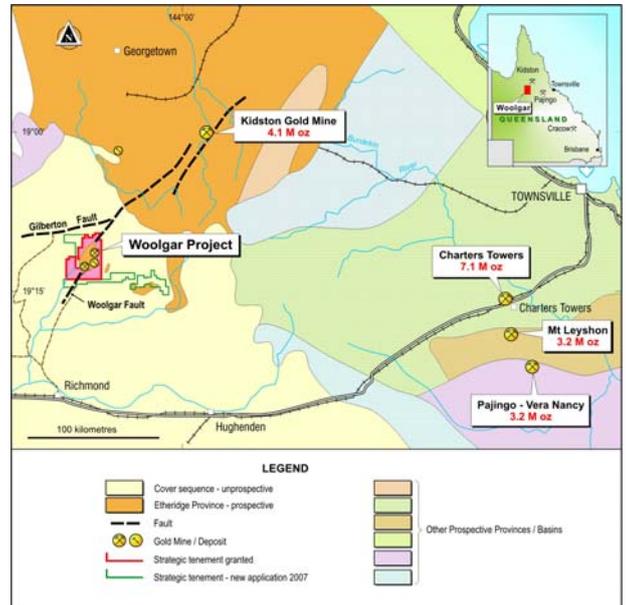


Figure 2. Schematic plan of Mowbray area, showing drilling, gold in soils and preliminary rock sampling results and schematic geology.



## Woolgar Project Overview

- The project has an established resource of 774,000 oz's gold (approx. 25.15M tonnes at an average grade of 0.96g/t gold; refer to Table 1 – for published estimates consistent with JORC guidelines:- The Global Resource Inventory is subject to change on completion of current modelling of the Lost World deposit, which is indicating an overall lower grade to the Lost World deposit resulting in a reduction in the global ounces). This resource includes a number of higher grade deposits. Additional unpublished resources have been drilled at Perseverance, Mowbray, Hillview & Lost World, where additional drilling is planned or modelling is underway for inclusion in the project inventory.



- The majority of resources are outcropping or at shallow depths, mineable by open pit methods.
- Gold occurs within low sulphidation epithermal veins.
- Potential exists to expand the shallow gold resource quickly to greater than 1M oz's gold.
- The project has potential to deliver 1 - 3M oz's gold at a potential grade between 0.9 – 4g/t gold (the described project resource potential quantity and grade is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource; the conceptual potential is based on analogy with the similar epithermal deposits such as the Pajingo Deposit, located to the east of Woolgar).
- Subject to positive feasibility assessment the Woolgar project can be advanced to the development stage relatively quickly. Mining Leases covering the main gold deposits have been granted, Cultural heritage surveys have been completed on key areas, Native title agreements formalised, and a major water supply dam to service a mining operation has been constructed. Prefeasibility work is on going.

## URANIUM PROJECTS

### Woolgar Uranium Project, Queensland

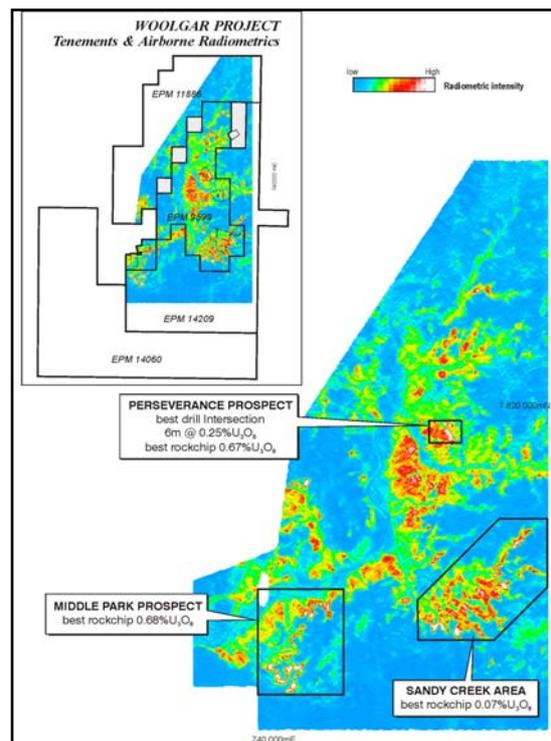
Alpha Uranium Limited (100% Strategic Subsidiary)

Significant uranium exploration targets are established in the Woolgar tenements. Established drill targets include partially drilled outcropping uranium occurrences at the Perseverance-Shamrock prospect where previous drilling in the 1970's defined zones of mineralisation with high grade drill intersections up to 6m @ 0.25% eU<sub>3</sub>O<sub>8</sub>; and, at the Middle Park prospect where mineralised rock chips samples returned values up to 0.67% U<sub>3</sub>O<sub>8</sub>. The primary uranium targets in the district are numerous untested airborne radiometric (uranium channel) anomalies associated with a regionally extensive unexplored unconformity.

Unconformity-related uranium deposits constitute approximately 33% of the world's uranium resources and include some of the largest and richest deposits.

Ongoing Work Programs – No ground exploration activity was undertaken during the quarter. Strategic continue to review available data in order to refine established target for future drilling when working capital can be allocated.

Figure 4. Airborne radiometric data (uranium channel) & uranium prospect locations. Unconformity style uranium mineralisation targets correspond to the white areas on the image.



Frome Basin Projects, South Australia

Alpha Uranium Limited (100% Strategic Subsidiary Company)

The Company's Frome Basin projects consists of four tenements, Alpha has free carried interests in three of these tenements. The Martins Well project (EL3508) is however 100% owned and operated by the company.

The South Australian tenements are located in an established district of past and present producing uranium mines, close to the existing Beverly uranium mine and the identified resource at Honeymoon Well. The projects include Martins Well (Alpha Uranium Ltd 100%) and the Siccus JV managed by Uranio Limited (Alpha 10% free carried interest to bankable feasibility).

Ongoing Work Programs – No ground exploration activity was undertaken during the quarter on either project.

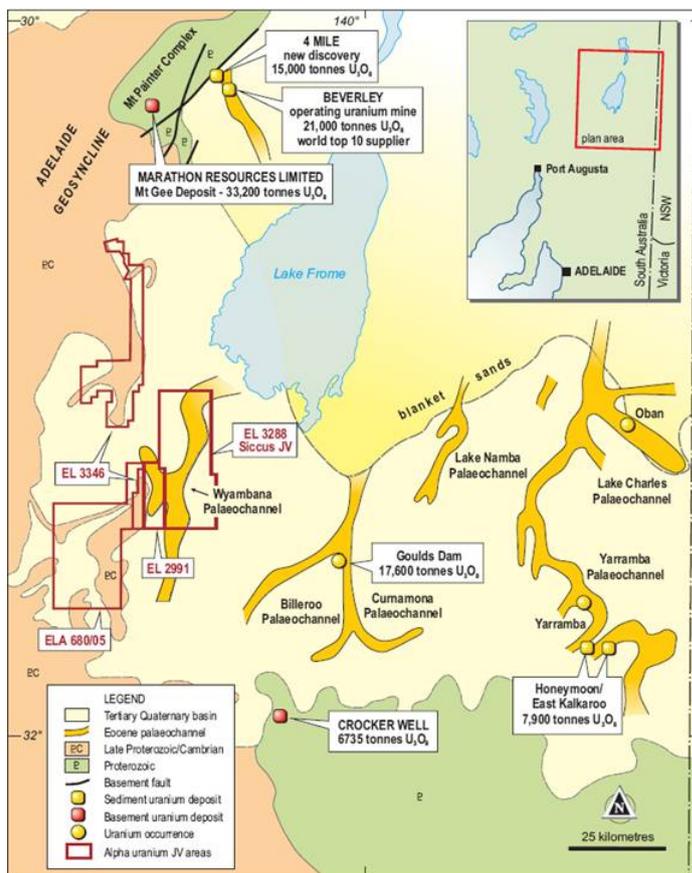


Figure 5. Frome Basin project areas & schematic geology.

## COPPER PROJECTS

### Martins Well Project, South Australia

Alpha Uranium Limited (100% Strategic Subsidiary Company) 100%

Parts of the Martins Well tenement EL3508 are covered by Pleistocene to Holocene sediments at the surface. Late Proterozoic sandstone, siltstone, dolomite and

Three primary exploration target styles were identified within the area, namely Uranium: Palaeochannel ('Beverly Type') targets within the Frome Basin sediments; Cu (Au-U): Fe-oxide associated hydrothermal targets within the Willippa Dome, and several spatially associated gossanous zones to the North; and, Iron: in the Holowilena Ironstone.

Ongoing Work Programs – No new field work was conducted during the report period. Based on the field sampling and geophysical modelling conducted in 2008, follow-up drilling has been planned subject to availability of sufficient working capital.

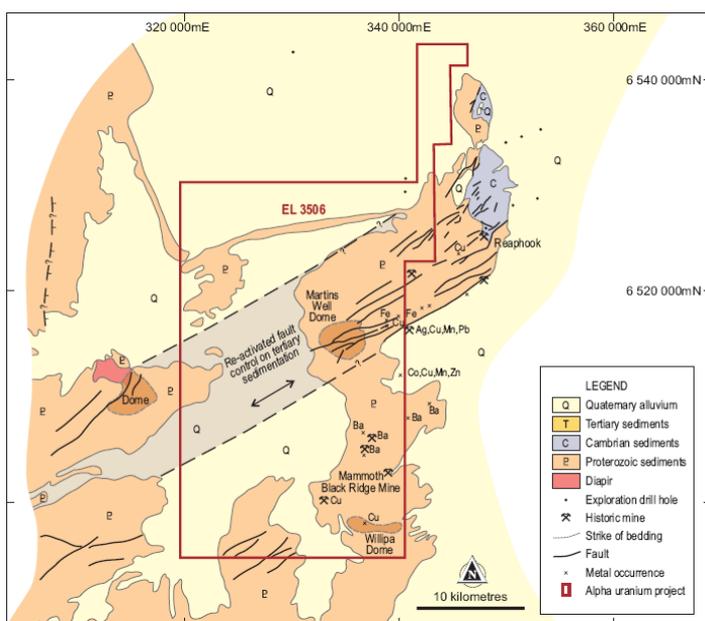


Figure 5. Local geology of Martins Wells tenement

Wally Martin

MANAGING DIRECTOR

*Note: The information in this report that relates to exploration results is based on information compiled by Mr Roland Bartsch MSc. BSc. (Hons.) who is a member of the Australian Institute of Mining and Metallurgy. He has sufficient experience which is relevant to the style of mineralization and type of deposit under consideration, and to the activity undertaken. He is qualified as a competent person as defined in the 2004 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves ". He has consented to the inclusion of this information in the form and context in which it appears. The Australian Stock Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release.*

## References

- Bartsch, R., March 2001: Lost World Project, Resource Estimation As At 1 March 2001, Report No. SM002.
- Bartsch, R., Feb 2006: Woolgar Project, Shanghai & Finn Veins Resource Estimates, Strategic Minerals Corporation.
- Bartsch, R. 2007, Martins Well Project, Exploration License 3508, Annual Report for 23.1.2006 to 23.1.2007, Location: South Australia, Strategic Minerals Corporation NL.
- Kentwell, D. & Bartsch R, May 2004: Explorer Resource Estimation, SRK Project Number SXM101, SRK Consulting Engineers and Scientists.
- Kentwell, D. & Bartsch R., May 2007: Soapspar QAQC and Resource Estimation, SRK Project Number SXM002, SRK Consulting Engineers and Scientists.
- Kentwell, D. & Bartsch R., April 2008: Camp Vein and Grand Central Resource Estimation 2008, SRK Project Number SXM003, SRK Consulting Engineers and Scientists.
- Dasah Longley-Sinitsyna, Snowdens March 1997: Grand Central Resource Estimate Qld Dept. Mines & Energy, 2007a. Mineral Occurrences & Geological Observations Qld Dept. Mines & Energy, 2007b. Queensland Exploration Geochemistry Data Record of Mines, South Australia: Mining Journal 1899, p29; 1908 p78