



31 January 2007

The Manager  
Company Announcements Office  
Australian Stock Exchange Limited  
PO Box H224 Australia Square  
SYDNEY NSW 2000

**Quarterly Activities Report  
For the three months ended 31 December 2006**

**HIGHLIGHTS**

**BUSINESS DEVELOPMENT**

- **Uranium Calcrete: Inventory of U channel radiometric anomalies underway; report and maps nearing completion; portfolio expansion continues**
- **Capricorn Project: more acquisitions; project now covers 160km of the Talga Fault, 80km of projected fault extensions, and 140km of uranium channel radiometric anomalies**
- **Macraes West Gold Project joint ventured to Glass Earth Limited**
- **Roadshow planned for February 2007**

**EXPLORATION**

**Western Australia**

- **RAB/Aircore drilling at Weebacarry; best result 5m at 2.1g/t gold**

**New Zealand**

- **Hazelbrook Project RAB soil geochemical drilling confirms Eastern Gold Anomalies 1 and 2**

## **BUSINESS DEVELOPMENT**

### **1. New Projects - Western Australia (Aurora 100%)**

#### **Uranium Calcrete Projects**

##### **Inventory of uranium radiometrics anomalies**

The Company is focusing on delineating the extensive uranium channel radiometric anomalies over its projects in the Gascoyne Complex and Yilgarn Block of WA (refer WA location map).

The target is Yeerlirie-style uranium mineralisation hosted in calcrete deposits developed in Tertiary to Recent drainage systems.

A geological report and maps are expected to be completed in the coming weeks.

##### **Expansion**

The Company recently expanded its extensive uranium-in-calcrete portfolio on the Yilgarn Block with new exploration licence applications at

- Chesterfield prospect– 6 new ELA's approximately 80km NW of Meekatharra, in the North Murchison Uranium project
- Yalgoo Project - 13 new ELA's in the South Murchison Uranium Project (see WA map).

The projects are shown in red on the accompanying WA map. The Company's large Yilgarn Block uranium calcrete portfolio has been grouped into North Murchison and South Murchison project regions.

#### **Capricorn Project**

##### **Recently Identified Talga Fault**

In January 2007 the Company acquired a further fifteen exploration licence applications to cover the projected south east extension of the major regional **Talga Fault**, recently identified by the Geological Survey of Western Australia, to include the East-West Jeealia Fault, a distance of approximately 80km. The Capricorn Project is being targeted by the Company for base metal massive sulphide deposits (lead-zinc-silver, copper, uranium) such as at Mt Isa Queensland, where these major regional faults are cut by interpreted NE trending cross-structures.

The Company's Capricorn tenements now cover over 8,355km<sup>2</sup> to include these anomalies and structures and extend the base metal, unconformity and Valhalla-style uranium, and gold potential, of the Capricorn Project.

### **140km Uranium channel radiometric anomaly**

During the quarter, the Company announced that it had acquired additional exploration licence applications over 140km of the strike of a prominent, semi-continuous series of linear uranium-channel radiometric anomalies. The main part of the anomaly has a strike length of 80km.

The uranium anomalies lie parallel to stratigraphy and coincide with siltstones, mudstones and minor sandstones of the Blue Billy Formation in the lower part of the Mid-Proterozoic Bangemall Basin near its unconformity with the Lower Proterozoic Ashburton Basin deformed sediments.

### **Project research**

The Company is moving towards completion of its detailed research of past exploration and geological reports of the Capricorn Project and will announce a project overview shortly, outlining its interpreted similarities with the Mt Isa region. Refer to the attached map for more details.

## **2. Roadshow**

The Company plans a broker roadshow expected to commence in February 2007 to focus on its expanded project portfolio.

## **3. Macraes West Gold Project (100%)**

In mid December, the Company announced it had signed a Heads of Agreement with Canadian-New Zealand company Glass Earth Limited (GENZL) to enter into a joint venture agreement on Aurora Minerals Macraes West Project, located west of the 2 million ounce Macraes Gold Mine in the Otago District of New Zealand.

GENZL may earn a 70% equity in the project by spending NZ \$750,000 and be the manager of the joint venture.

Aurora's Macraes West prospecting permit area comprises 1173 km<sup>2</sup> and covers the possible westward extension of the Hyde-Macraes shear which hosts the Macraes mine mineralisation.

The detailed joint venture agreement will be conditional on the consent of the Minister, pursuant to section 41 of the Crown Minerals Act, Crown Minerals work programme approvals and negotiation of final terms.

## EXPLORATION

### Weebacarry Project, Western Australia (Aurora earning 51%)

In late November, the Company commenced a scout drilling program at the Weebacarry Project in Western Australia resulting in the completion of 1704m (20 holes) of RAB drilling and 2101m (28 holes) of aircore drilling on 6 lines at 250m to 800m spacing between lines. All holes were drilled at -60<sup>0</sup> towards the southeast (135<sup>0</sup>). The holes ranged in depth from 45m to 141m with an average depth of 79m. The majority of the holes successfully drilled the thick saprolite zone and reached their target depth of blade refusal.

The project is part of the Aurora Minerals–Hampton Hill Mining NL joint venture under which Aurora is earning a 51% interest.

The focus of the exploration was the projected northerly extension of the Miss Jane mineralization.

Best assay results are listed in the table below:

Hole_ID	Hole_Type	MGA_North	MGA_East	Average Gold Assay (ppb)	Interval (M) From- To
AWRB104	RAB	7019364	607450	154	70-75
AWAC007	Air Core	7019595	606760	2110	15-20
AWAC007	Air Core	7019595	606760	236	20-25
AWAC007	Air Core	7019595	606760	225	25-30
AWAC007	Air Core	7019595	606760	1437	45-50

All of the holes from this program were scoop/grab sampled as 5 metre composite samples and submitted to Ultra Trace Laboratories in Perth for low-level gold and base metal analysis. The results will be assessed during the third quarter prior to further exploration planning.

## **Hazelbrook Epithermal Gold Project, New Zealand**

Further work was recently concluded at the Hazelbrook Epithermal Gold Project, North Island, New Zealand. Anomalous gold-arsenic-antimony results were detected from extensive shallow RAB soil geochemical drilling.

The project is being explored by the Hazelbrook Joint Venture, a joint venture between Aurora Minerals and Emerald Mining Limited.

The RAB drilling program confirmed the geochemical anomaly at Eastern Anomaly 2 within a broader lower level gold-arsenic and antimony anomaly. The lower order Eastern Anomaly 1 was also confirmed in this latest work.

The locations of the anomalies are shown on the attached map.

## **Backyard Prospect**

The shallow RAB drilling failed to outline any obvious geochemical trends and does not appear to have added significantly to its prospectivity.

## **Joint Venture Meeting**

The Hazelbrook Joint Venture partners plan a joint venture meeting in the third quarter to review the results and consider future funding options.

## **Placement of New Shares**

In late November, the Company placed 6,185,000 fully paid ordinary shares at an issue price of 25 cents per share to raise \$1,546,250 before expenses, to brokers and other sophisticated investors under Section 708 of the Corporations Act, with commission of 5% being made to brokers associated with the placement.

The Company's cash position at the end of the quarter was approximately \$4.3 million including receivables.

Yours faithfully

Robert Taylor  
Managing Director

Garry O'Hara  
Executive Director

*The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Robert S Taylor, a Member of The Institute of Materials,*

*Minerals and Mining and Mr Garry P O'Hara, a corporate member of the Australasian Institute of Mining and Metallurgy.*

*Robert Taylor and Garry O'Hara are both executive directors of Aurora Minerals Limited and consult to the Company through their respective consulting companies Able Kids Pty Ltd and Anketell Pty Ltd.*

*Robert Taylor and Garry O'Hara have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Robert Taylor and Garry O'Hara consent to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

## **CONTACTS**

If you would like further information on the Company's projects you can call

Ken Banks,

Aurora Minerals Limited Investor Relations:

Ken's Mobile

**Australia**      0402 079 999

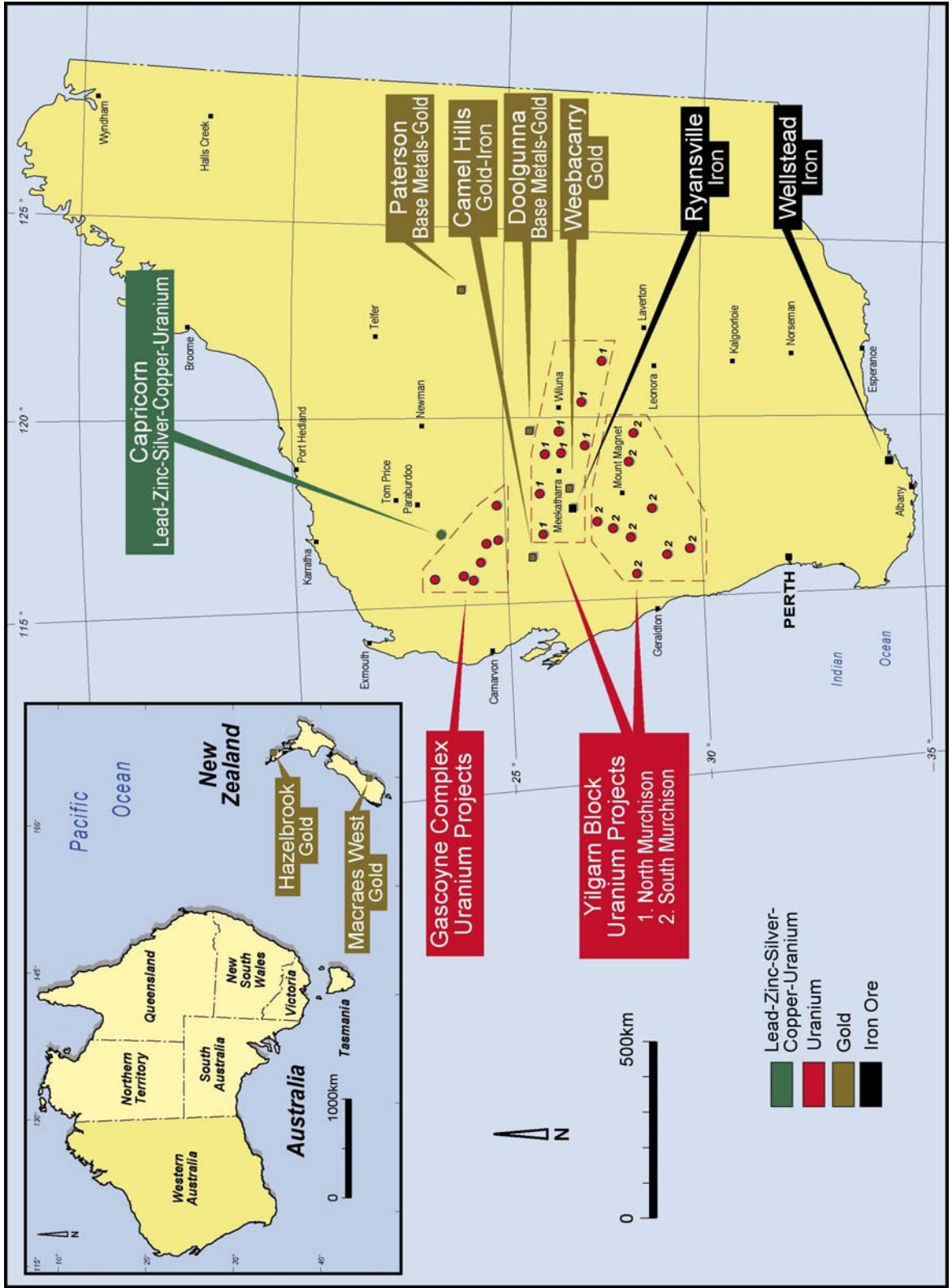
**New Zealand**      0061 402 079 999

Company Email: [info@auroraminerals.com](mailto:info@auroraminerals.com)

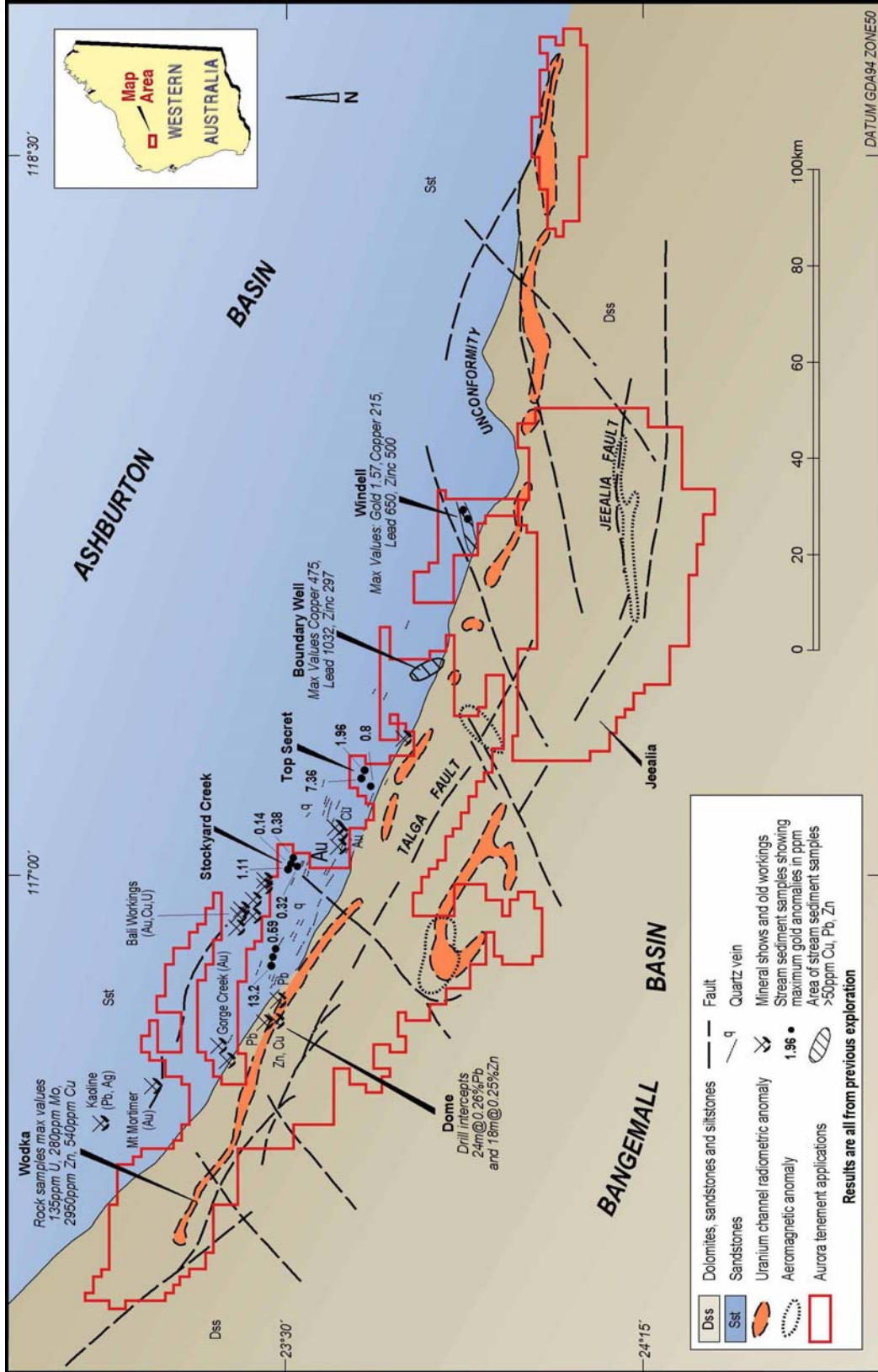
Company Website: [www.auroraminerals.com](http://www.auroraminerals.com)

*The Company's website, is recommended reading for interested market watchers, brokers and investors. The website contains information on the Company's projects including maps, a list of the Companies announcements to ASX, the legislative environments under which the Company operates, Corporate Governance, a section on risks, many of which are common to exploration companies, and other useful information. A list of the Company's announcements is also obtainable from the Australian Stock Exchange website at [www.asx.com.au](http://www.asx.com.au)*

If you would like copies of announcements emailed to you can contact Ken Banks.



Aurora Minerals Limited  
 PO Box 3107, Perth, Western Australia 6832  
 Tel +61 8 9218 8711



**Aurora Minerals Limited**  
**Capricorn Polymetallic Project**

Aurora Minerals Limited  
PO Box 3107, Perth, Western Australia 6832  
Tel +61 8 9218 8711