

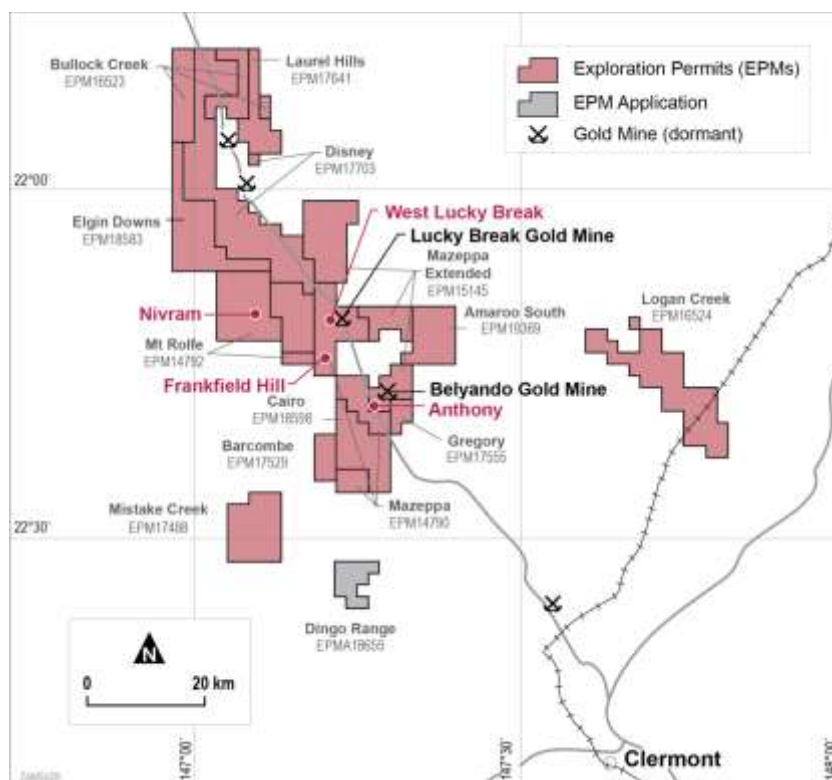
30 April 2012

Centralised Company Announcements Office  
ASX Limited  
Exchange Centre 20 Bridge Street  
Sydney NSW 2000

## ZAMIA METALS LIMITED QUARTERLY ACTIVITIES REPORT For the quarter ended 31 March 2012

### HIGHLIGHTS

- During the quarter, Zamia announced an updated resource estimate for the Anthony Molybdenum deposit. This new resource definition incorporates the drilling undertaken in the second half of 2011.
- Zamia was granted an additional five Exploration Permits for Minerals (EPMs). Three are in the northern part of the tenement block (Disney, Laurel Hills and Elgin Downs), and the other two EPMs (Amaroo South and Cairo) cover prospective ground adjoining EPM 14790 and EPM 15145.
- Zamia raised \$1,000,000 for additional working capital, including regional exploration, through a placement of shares and options.



**Figure 1 - Zamia's tenement package highlighting exploration targets**

## ANTHONY MOLYBDENUM PROJECT

### Updated Resource Estimate

Zamia commissioned a revision to the resource estimate for the Anthony deposit to include the latest assay results. This updated resource assessment by independent resource consultants, Hellman & Schofield Pty Ltd (H&S), was released on 15 March 2012 and is summarised in the table below.

Cut-off grade	Sulphide Resource			Transition and Oxide Resource			Total Resource		
Mo (ppm)	Mt	Mo (ppm)	Contained Mo (million lb)	Mt	Mo (ppm)	Contained Mo (million lb)	Mt	Mo (ppm)	Contained Mo (million lb)
600	20	800	36	4	685	7	25	780	42
400	91	560	112	23	520	26	114	550	137
200	250	390	215	65	376	54	318	390	269

(Note: Tonnes and grades have been rounded and rounding errors may occur. Results above cut-off grades higher than 500 ppm Mo are subject to some uncertainty)

The latest drill program, targeting areas of low data density within the deposit, has increased the robustness of the resource estimate, particularly at depth. Detailed results of this drilling were reported in Zamia's December 2011 Quarterly Activities Report, and includes data from 1,741m of infill diamond drilling completed since the previous resource update, in June 2011.

This resource update confirms the resource estimate established in June 2011 and records a slight increase in the Inferred sulphide molybdenum resource at cut-off grades of 400ppm and 200 ppm.

### Anthony Induced Polarisation Survey

An Induced Polarisation (IP) survey, consisting of two lines to test the effectiveness of this tool over the Anthony mineralisation, was conducted in November 2011 during a period when access was not available on regional targets due to wet and boggy ground. Valuable structural data was gained and a new area of interest was identified.

## **REGIONAL EXPLORATION**

### **Copper – Gold Exploration**

Zamia's tenements are considered to be highly prospective for copper and gold. During 2012, the Company will further investigate new and established targets for gold and copper mineralisation as its main exploration focus while taking steps towards an assessment of the economic potential of the Anthony project.

During the quarter, field work re-commenced in late February when the ground had dried out enough, following the heavy wet season rainfall. Soil sampling was carried out on the Barcombe prospect (EPM 17529), interpreted as a structurally-controlled epithermal gold-silver target within a segment of the Anakie Inlier - Drummond Basin contact. At Mount Douglas prospect (EPM 16524), soil sampling and geological mapping was undertaken to evaluate the potential of a well-defined radiometric anomaly with a coincident magnetic anomaly which has had no previous exploration.

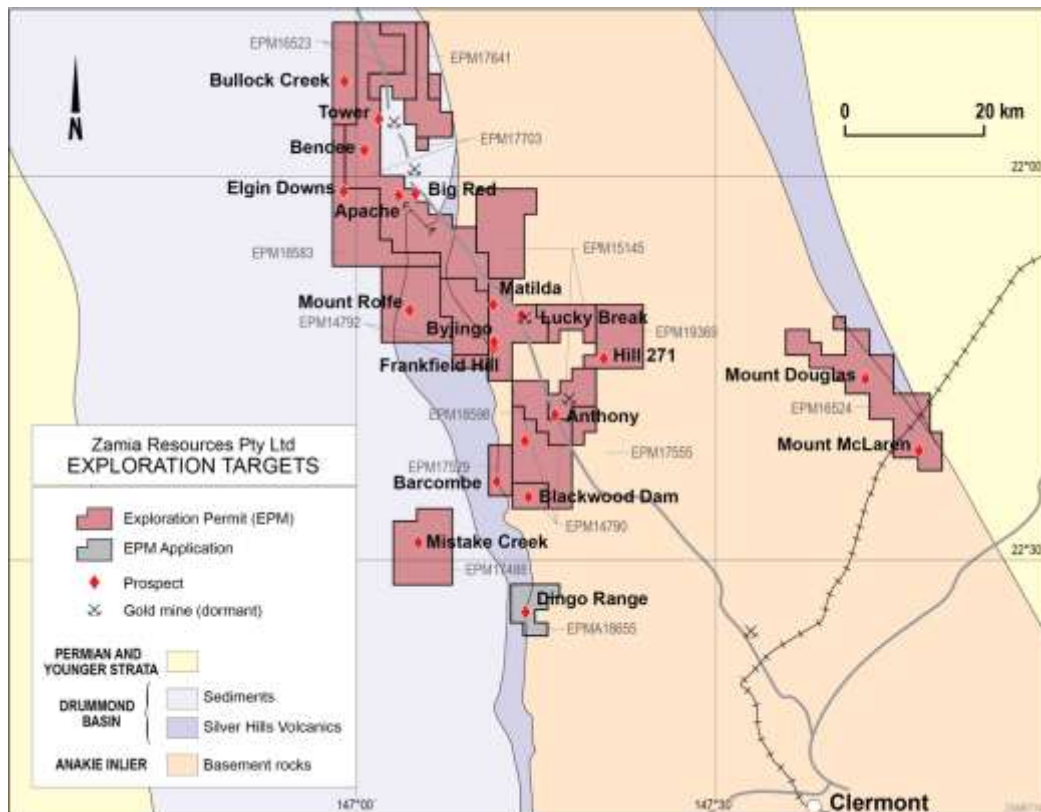
The highly prospective western margin of the preserved Mount Rolfe caldera, named the Furious Fifties prospect, was explored by an MMI (mobile metal ion) soil sampling program. The soil samples (totalling 280) were acquired in mid-March 2012 and dispatched to Perth for assaying in April 2012.

### **Exploration Targets**

The Company's tenements are prospective for a number of deposit styles:

- Porphyry-style base-metal deposits (such as at Anthony, Mistake Creek and Mount McLaren) associated with intrusive complexes;
- Structurally-controlled mesothermal gold deposits (such as Belyando and Lucky Break gold mines);
- Epithermal-style gold deposits in the Silver Hills Volcanics (the basal sequence of the Drummond Basin) in the western area of the tenement block (such as the Nivram prospect at Mt Rolfe).

In January 2012, Zamia was granted five new EPMs. This new ground adds a further 550 square kilometres to the total area of the Company's tenements, now totalling 13 granted EPMs covering 1,300 square kilometres.



**Figure 2** – Location of Zamia’s tenements and targets overlain on the regional geology

The new tenement EPM 18598 – Cairo covers the Memphis intrusive complex (see Figure 3). EPM 16523 – Bullock Creek (granted in September 2010) was selected over an outstanding aeromagnetic anomaly produced by a large mafic-ultramafic intrusive body which may have potential for nickel-copper-PGE mineralisation. The tenement also has potential for epithermal style gold-silver mineralisation. The target area is named Double Trouble (see Figure 4). Both of these target areas are planned to be investigated in the next quarter.

EPM 19369 - Amaroo South was selected to cover the known Hill 271 gold prospect which is considered to be similar in deposit style to Belyando and Lucky Break, featuring quartz-sulphide veining and extensive host rock alteration. The prospect features anomalous gold and molybdenum concentrations at surface and posts significant unexplored potential for a porphyry-style base-metal deposit at depth.

The three new tenements in the northern half of the portfolio, EPM 17641 – Laurel Hills, EPM 17703 – Disney and EPM 18583 – Elgin Downs, cover the Drummond Basin margin with the underlying Anakie Metamorphic basement rocks, bordering the Twin Hills 309 and Lone Sister epithermal gold deposits held by Evolution Mining Limited. Previous exploration identified a number of epithermal vein and breccia systems commonly featuring elevated gold concentrations between 0.5 and 1 ppm at surface, indicating the significant discovery potential of the area.





## **CORPORATE ACTIVITIES**

### **Share Placement**

During the quarter the Company made a placement of 14,285,714 fully paid ordinary shares and 7,142,857 unlisted share options shares and options to China Kings Industry Pty Ltd, a company formed in Australia and a professional investor. The shares were issued at a price of 7 cents per share (including one option for every two shares issued) to raise gross proceeds of \$1,000,000 for additional working capital, including regional exploration program. The unlisted options are exercisable at 10.5 cents per share and expire on 30 January 2014.

Directors were pleased to achieve this capital raising at a significant effective premium to the prevailing traded prices of the Company's shares.

### **Conference and Exhibition**

Zamia set up a booth at Mines & Money Conference in Hong Kong in March 2012 to showcase the Company's gold-copper exploration potential and the Anthony Molybdenum Project. Management held discussions with a number of potential investors during and outside of Mines & Money, Hong Kong.

### **Joint Venture and Strategic Partner Talks**

During the quarter, the Company held discussions with potential joint venture partners with a view to their participating in the testing of gold-copper targets within the Company's tenements in central Queensland and with potential strategic/cornerstone investors to advance the Anthony Molybdenum Project towards feasibility.



Ken Maiden  
Director

### **Competent Person**

Dr Ken Maiden, MAIG FAusIMM, Director of Zamia Metals Limited, compiled the geological technical aspects of this report. He has sufficient experience to qualify as a Competent Person as defined in the 2004 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Dr Maiden consents to the inclusion of the matters in the form and context in which they appear and takes responsibility for data quality.