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Company Announcements Office  
ASX Limited  
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SYDNEY NSW 2000

### **RESOURCE DRILLING AT ANTHONY MOLYBDENUM PROSPECT**

Zamia Gold Mines Limited (ASX: ZGM) is pleased to announce that it will shortly be commencing a resource drilling programme at its Anthony molybdenum prospect in central Queensland.

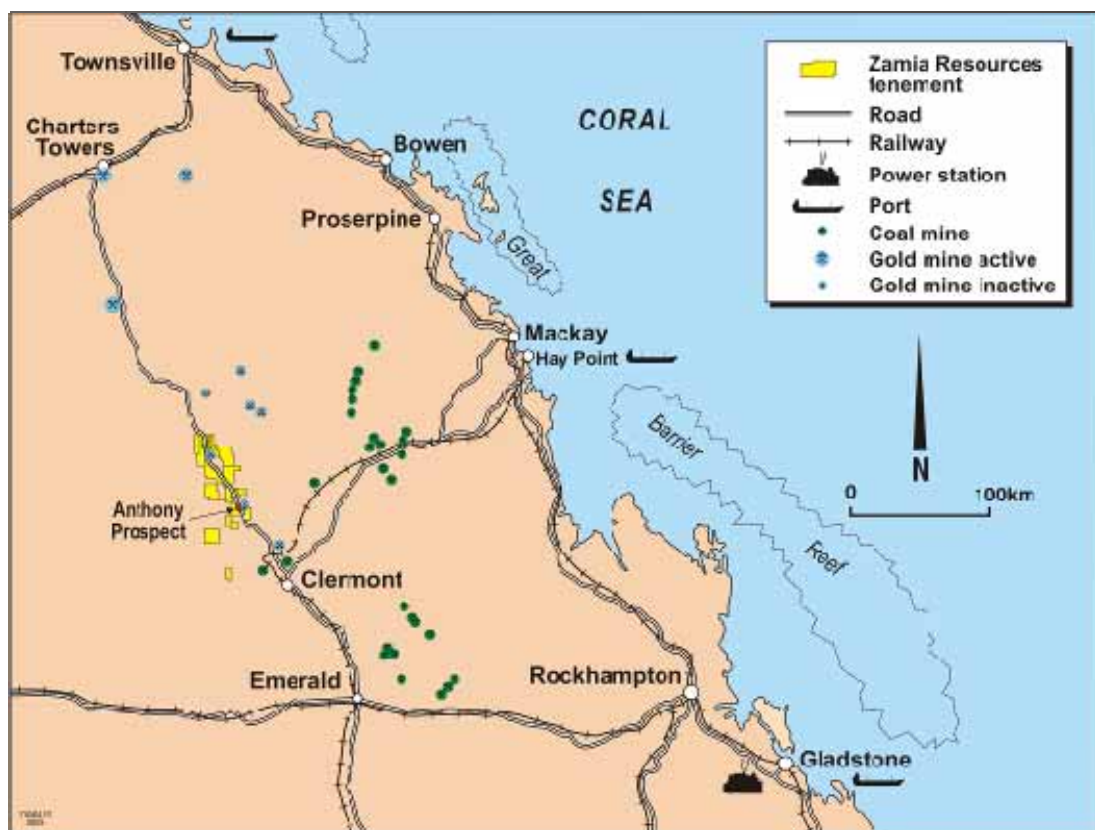
In 2008, two drilling programmes intersected potentially ore-grade molybdenum concentrations at the Anthony prospect and confirmed that the discovery is a porphyry-style deposit. Molybdenum mineralisation extends over an area of 750m x 300m and to a depth of at least 300m. There is a central core of high grade material (> 800 ppm Mo) surrounded by an extensive envelope of lower grade material. Primary molybdenite (molybdenum sulphide) mineralisation lies below 60m – 80m of oxidised molybdenum-bearing weathered rock. Additional details of the deposit are provided in the company's 2009 Annual Report and on the website [www.zamiagold.com.au](http://www.zamiagold.com.au).

Zamia's assessment of the drilling data suggests that the high grade core of the Anthony deposit has potential for 25 million tonnes at 0.1% Mo (1000 ppm Mo). The lower grade envelope presents a target for in excess of 50 million tonnes at + 600 ppm Mo.

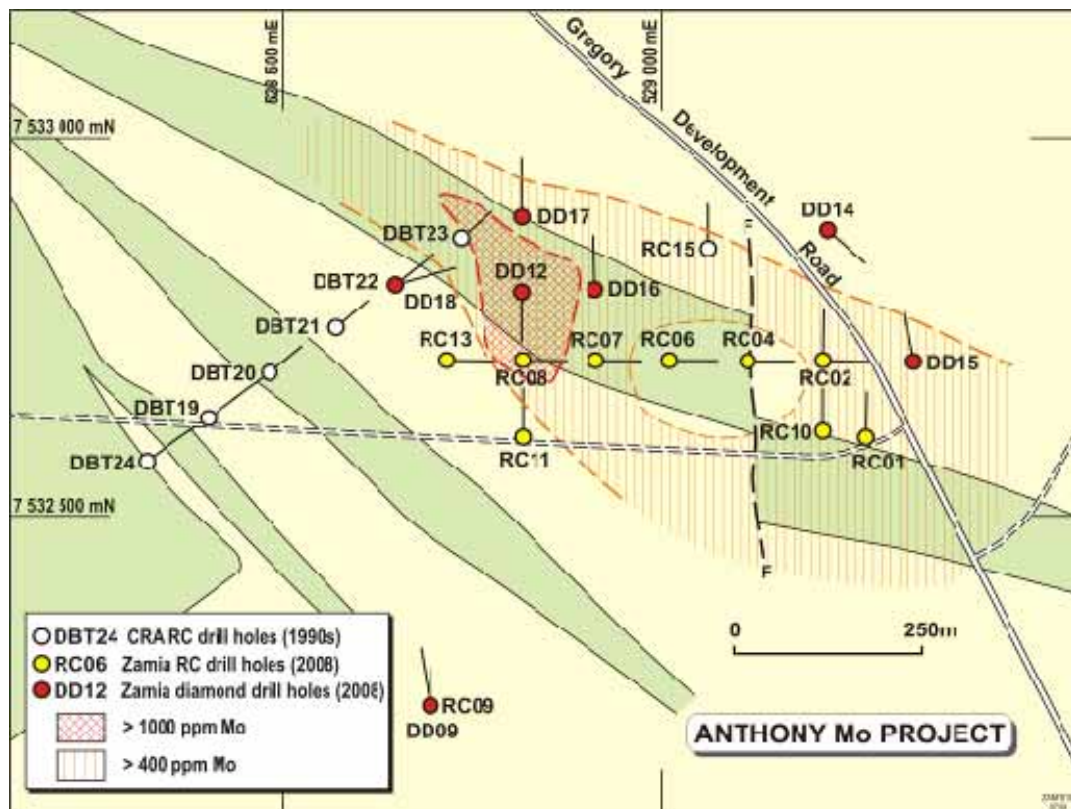
As a result of its current capital-raising activities, Zamia is now able to commence a resource drilling programme. The objective of the first phase of drilling is to define an initial resource, to Inferred status, in the high grade core of the deposit. It is anticipated that drilling will commence by early November.

The plan is to test the high grade core with 12 drill holes to 300m depth and an additional two holes to 500m depth. All holes will be drilled by reverse circulation (RC) with diamond (core) tails. After receipt of assays, the Company will contract a recognised resource consultant to compile a resource estimate.

Assuming success in defining an initial Inferred resource, the company's intention is to raise additional funds to complete a pre-feasibility study on the deposit, including more extensive drilling and metallurgical testwork, as well as associated environmental, engineering, logistical and preliminary financial studies.



*Location map*



*Geological interpretation map, Anthony prospect*

## About Zamia Gold Mines Limited

Zamia listed on the ASX in January 2007, and holds a portfolio of tenements in the Clermont district of central Queensland, primarily to explore for molybdenum, gold and base metal deposits in the Drummond Basin. Following a review of past exploration data, soil geochemical sampling and an initial drilling programme, molybdenum mineralisation was discovered at the Anthony prospect in early 2008. ZGM remains focussed on the Clermont area. In addition to its Anthony molybdenum prospect, Zamia has identified a number of gold targets which will be the focus of later drilling programmes.

## About Molybdenum

Molybdenum had been selling for over US\$30/lb (US\$66,000/tonne) for two years until the global financial crisis, when the price slumped to below US\$10/lb. Over recent months, the price has partially recovered and is now at around US\$14/lb.

Molybdenum demand suffered a contraction during the global financial crisis but financial stimulus packages, resulting in new infrastructure projects, are again increasing the demand for the metal. Molybdenum is a metal with a high melting point that is widely used in the steel industry as it improves the strength of steels at high temperature as well as strength to weight ratios and corrosion resistance. It also has uses as a catalyst in petroleum refining, in the production of electrodes and filaments, as a high temperature lubricant and as a fertiliser.

For further information please contact:

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Or visit the website [www.zamiagold.com.au](http://www.zamiagold.com.au)

For and on behalf of the Board



Stephen Blackman  
Executive Chairman

Dr Ken Maiden (MAIG, FAusIMM) compiled the technical aspects of this announcement. Dr Maiden is Executive Director – Technical of Zamia Gold Mines Limited. Dr Maiden is a Member of the Australian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation under consideration and to the activity that is being reported on to qualify as a Competent Person as defined in the September 2004 edition of the “Australasian Code of Reporting of Mineral Resources and Ore Reserves”. Dr Maiden consents to the inclusion of the matters in the form and context in which they appear.