



10 December 2009

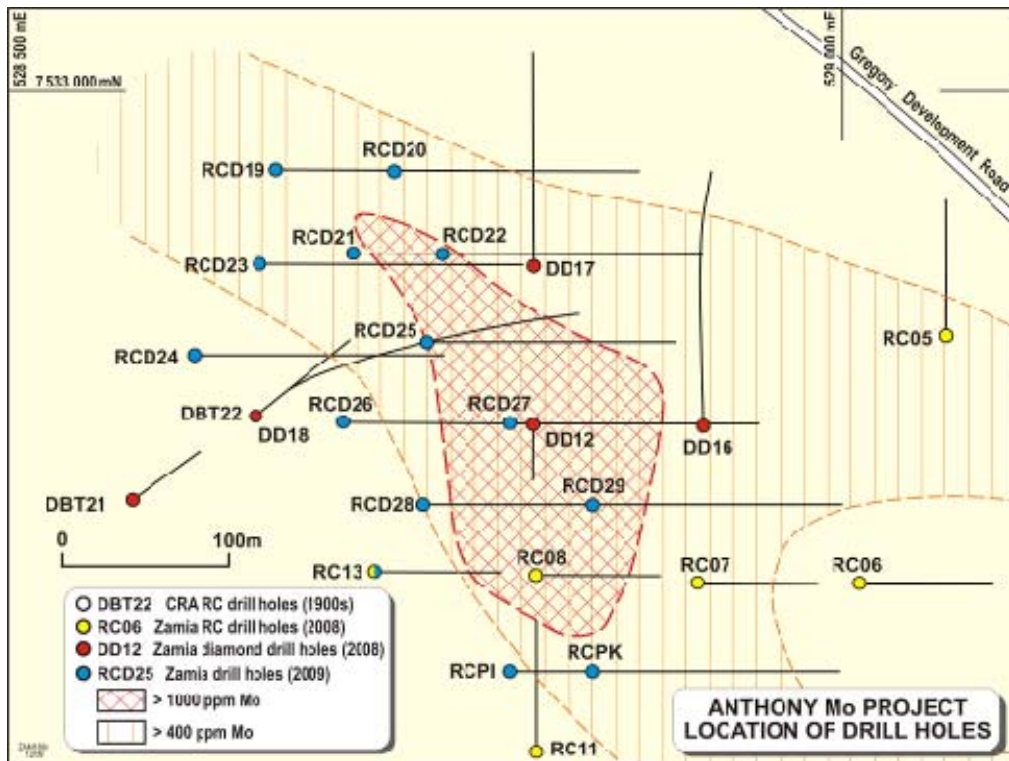
Centralised Company Announcements Office
ASX Limited
Exchange Centre
20 Bridge Street, Sydney, NSW 2000

EXPLORATION UPDATE - ANTHONY MOLYBDENUM PROJECT

Highlights

- Current drilling programme of 14 holes 50% complete
- Molybdenum mineralisation observed in all holes
- Likely northern extension to high grade zone.

As previously announced, Zamia has commenced a drilling programme at the Anthony prospect in the Clermont district of central Queensland. Drilling is targeted on the previously-identified high grade zone. The programme is designed to demonstrate continuity of mineralisation and to establish an initial resource to JORC standard.



Plan of drilling at the Anthony prospect. The interpreted high grade zone (> 1000 ppm Mo) is based on the results of drilling in 2008. The blue dots show the current drilling programme

The programme consists of 14 holes, each to 300m depth, angled at 60 degrees to the east and spaced 50 - 100m apart. Each hole consists of approximately 200m of reverse circulation (RC) drilling followed by 100m of diamond coring. Drilling commenced on 12 November and is now about 50% completed.

After a two-week break over Christmas, drilling will recommence in early January 2010. It is anticipated that all assays will have been received by end-February.



RC drilling at Anthony, November 2009

Because potentially economic grades of molybdenum are so low (typically 500 – 1000 parts per million of molybdenum - ‘ppm Mo’), a visual estimate of grade is difficult. However, inspection of drill core provides encouragement that the objectives of the programme will be achieved. In particular, hole RCD19, at the northern end of the target zone, appears to have good molybdenum concentrations, suggesting that the high grade zone may extend further north than shown on the map. The photographs show mineralised drill core from this hole.

Additional information on the Anthony prospect and on Zamia’s other exploration projects can be found on the Company’s website at www.zamiagold.com.au.

Ken Maiden
Managing Director



Anthony prospect - sawn drill core showing quartz-Mo veins in altered granite. Molybdenite [MoS₂] is the silvery-grey mineral. Hole RCD09-19, depth 207.3m



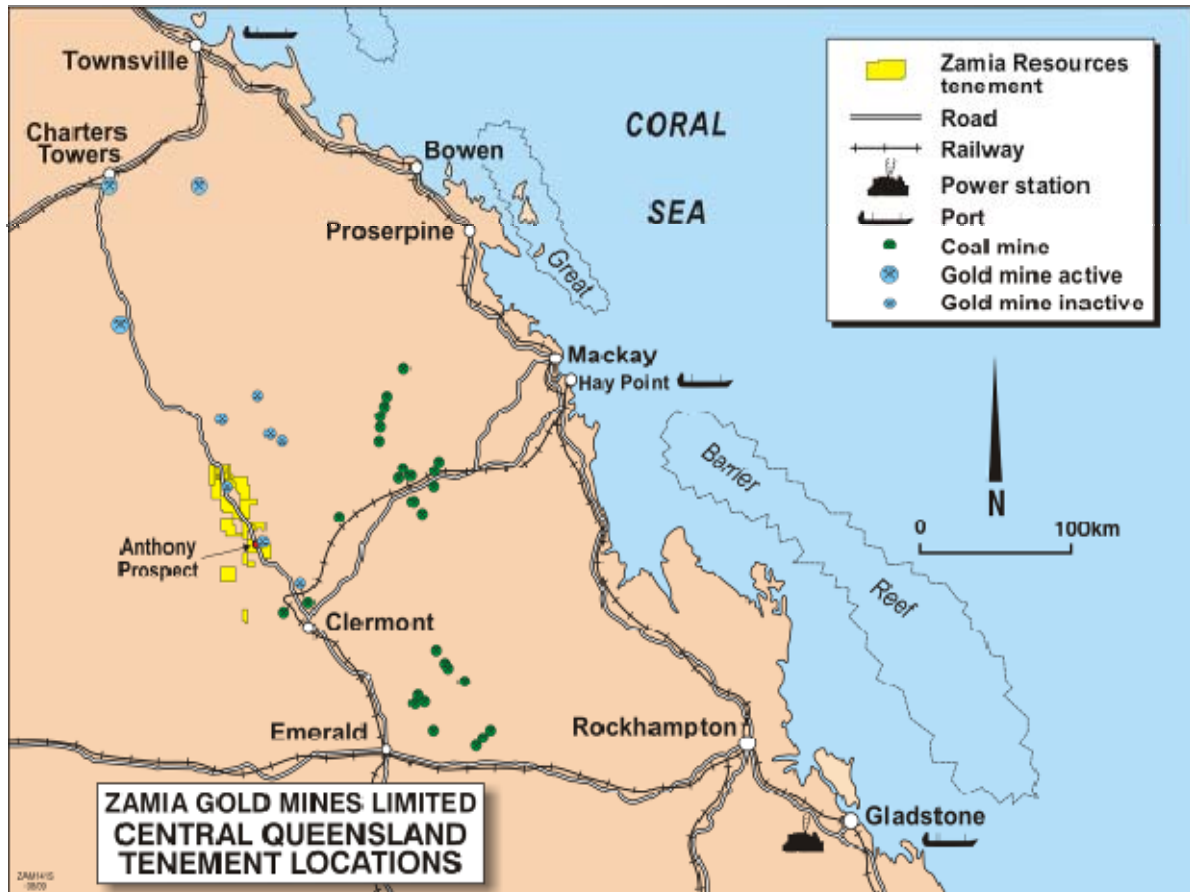
Anthony prospect - sawn drill core showing quartz-Mo veins in altered schist. Hole RCD09-19, depth 291.1m



Anthony prospect - sawn drill core showing quartz-Mo vein cutting stockwork veins in altered granite. Hole RCD09-19, depth 226.2m

Competent Person

Dr Ken Maiden (MAIG, FAusIMM), Managing Director of Zamia Gold Mines Limited, compiled the technical aspects of this announcement. Ken is a Member of the Australian Institute of Geoscientists and a Fellow of the Australasian Institute of Mining and Metallurgy. He has sufficient experience to qualify as a Competent Person as defined in the September 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.



Zamia Resources Pty Ltd is a wholly-owned subsidiary of Zamia Gold Mines Limited. Zamia Resources holds Exploration Permits for Minerals and applications totalling almost 1300 km² in the Clermont district of central Queensland