



QUARTERLY REPORT

For the Quarter Ended 31 December 2008

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METEORIC RESOURCES NL abn 64 107 985 651

ROBINSON RANGE (Meteoric 100%)

The 50sq km Robinson Range iron project covers a folded sequence of Proterozoic iron formations situated 100km north of Meekatharra in the mid west region of Western Australia. Historical ore-grade sampling results indicate significant potential for iron ore deposits on these tenements.

Meteoric lodged a revised and updated heritage agreement with the Jidi Jidi Aboriginal Corporation during the quarter. The heritage agreement forms part of the Indigenous Land Use Agreement affecting this area and paves the way for gaining access to these prospective granted tenements.

WILTHORPE (Meteoric 90%)

Meteoric is re-examining the economics of this 60,000oz gold project (Harrods Central and Harrods South indicated and inferred resources) in view of the recent significant increases in the gold price.

SCORPION WELL (Meteoric earning up to 70%)

Geological mapping and sampling was carried out on a recently granted exploration licence contiguous with Meteoric's existing tenement at Scorpion Well. The new tenement covers similar aeromagnetic features to those targeted on Meteoric's existing tenement where a potential nickel sulphide target has been identified.

MT REMARKABLE (Meteoric earning up to 70%)

Geological mapping of a gold-in-soil anomaly identified a possible extension of the anomaly. An additional tenement has been applied for to cover this possible extension.

TOP WELL (Meteoric earning up to 70%)

No field work was carried out during this quarter.

MERTONDALE (Meteoric 100%)

Geological mapping and sampling of structural targets prospective for gold mineralisation is in progress.

RUBY WELL (Meteoric previously 65%)

With the agreement of joint venture partner Peak Resources, the joint venture has been terminated and the tenement relinquished.

WARREGO NORTH (Meteoric 100%)

Discussions are being held regarding the farm out of this copper-gold project, situated north and north-west of the 1Moz Warrego gold-copper mine.

BARKLY (Meteoric 100%)

Discussions with joint venture partner Emmerson Resources are in progress for Emmerson to take over the management of this copper-gold project and for Meteoric to dilute its interest.

CORPORATE

ASX code; MEI, MEICA

Cash position; \$0.8 million.

Issued capital;

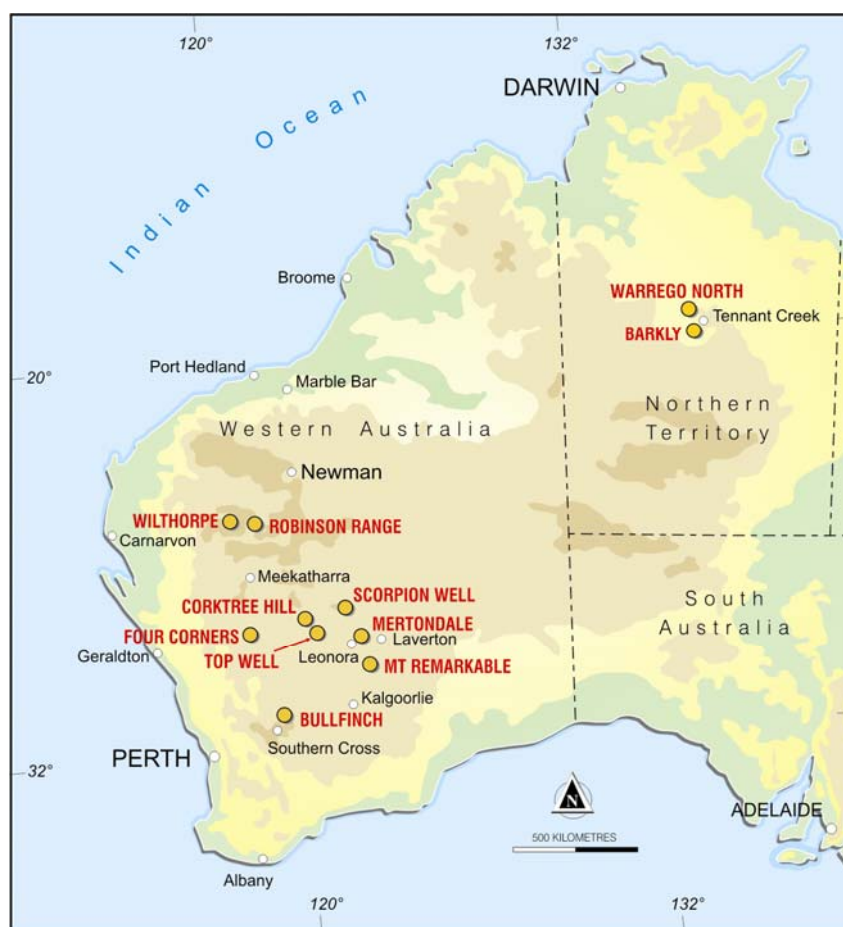
44,198,908 fully paid ordinary shares

15,099,727 partly paid shares (20 cents unpaid)

2,400,000 options to acquire partly paid shares exercisable at 6 cents by 21 November 2010

2,400,000 options to acquire partly paid shares exercisable at 6.5 cents by 16 November 2011

Meteoric is reviewing a number of mineral exploration opportunities which it has identified as having scope to add significant value to the company.



Meteoric Resources Project Locations

For more information on the company visit www.meteoric.com.au

Please direct enquiries to:

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The information in this report that relates to exploration results is based on information compiled by Roger Thomson BSc, ARSM, MAusIMM, MAIG. Roger Thomson is a director of Meteoric Resources NL. Roger Thomson has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the 'Australasian Code of Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Roger Thomson consents to the inclusion of this information in the form and context in which it appears in this report.