



Australian Securities Exchange Announcement

4 FEBRUARY 2013

EXPLORATION UPDATE

The Manager

ASX Market Announcements

Australian Securities Exchange

20 Bridge Street
SYDNEY NSW 2000

The Board of ERO Mining Limited (“the Company”) wishes to provide the following update of recent exploration activity at the Company’s Billa Kalina project.

BILLA KALINA

(ERO Mining earning 50% under the terms of the Billa Kalina JV from Maximus Resources Ltd)

The Company has completed a short ground gravity survey designed to validate a 10 mgal gravity anomaly at Peeweena Dam. This anomaly was initially defined by a single gravity station within a wide spaced 7km x 7km region survey completed in the 1970s. Processing of the data from the new survey indicates that no significant gravity anomaly is present at Peeweena Dam and that the data point in the earlier survey was erroneous. The Company, in conjunction with joint venture partner Maximus Resources (ASX:MXR), will now focus future exploration efforts on remaining prospects within the Billa Kalina Project area.

The Billa Kalina Project is strategically located 70 km north-northwest of the Olympic Dam copper-gold-uranium

(IOCGU) mine, and 45 km east of the more recent discovery and mine development at Prominent Hill, South Australia. The project area is situated within the recently defined Amber Zone of the larger Woomera Prohibited Area (WPA). ERO is exploring for IOCGU deposits in the deeper basements rocks.

As detailed in the recent December Quarterly report (ASX – 31/01/2013) the Company is continuing to advance its portfolio of gold/uranium, lithium and mineral sands exploration projects. Negotiations are underway with third parties interested in partnering the Company at our Wertalooona (lithium) and Padthaway (mineral sands) projects. In the Tanami region of the Northern Territory the Company is confident that we can advance negotiations with the Traditional Owners to allow access to our highly prospective gold and gold/uranium projects.

Mr Kevin Lines
Chief Executive Officer

4 February 2013

For further information please contact:

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Further information relating to ERO Mining Limited and its various exploration projects can be found on its website: www.eromining.com

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Kevin Lines who is a Member of the Australasian Institute of Mining and Metallurgy, and who has sufficient experience relevant to the style of mineralisation, the type of deposit under consideration, and the activity he is undertaking, 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 (the JORC Code). This report is issued in the form and context in which it appears with the written consent of the Competent Person, who is Chief Executive Officer of the Company.

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