

1st September 2010

Company Announcements Office
Australian Securities Exchange
Level 4
20 Bridge Street
SYDNEY NSW 2000

Eleckra Mines Limited ABN 13 109 289 527
6 Altona Street West Perth WA 6005
PO Box 1157 West Perth Western Australia 6872
Phone: (61 8) 9486 4144
Fax: (61 8) 9481 6405
Email: perth@eleckramines.com.au
www.eleckramines.com.au

Dear Sir / Madam

RAB Drilling Program Finishes and RC/Diamond Drilling Program To Start Early September

Eleckra Mines Limited ("Eleckra") (ASX: EKM) is pleased to announce that a 17,000 metre RAB drilling program has been completed over the northern and southern extensions of the Central Bore gold deposit. The drilling also tested soil gold anomalies at Central Bore East and at Hann North, Elvis and Granodiorite South.

The assay results from this RAB program are expected to be received by Eleckra over the next five weeks.

An RC/Diamond drill rig is due to commence a 7,000 metre drilling program next week over targets at Central Bore and at Hann. This drilling program is expected to continue until November 2010.

Eleckra has also purchased a new auger drilling rig to expand its exploration capacity and to generate new targets in its extensive and under-explored tenement portfolio. Previous exploration in the Yamarna area indicated auger drilling to be a very effective tool in surface geochemical exploration. A sampling program using the new auger rig is expected to commence within 2 weeks.

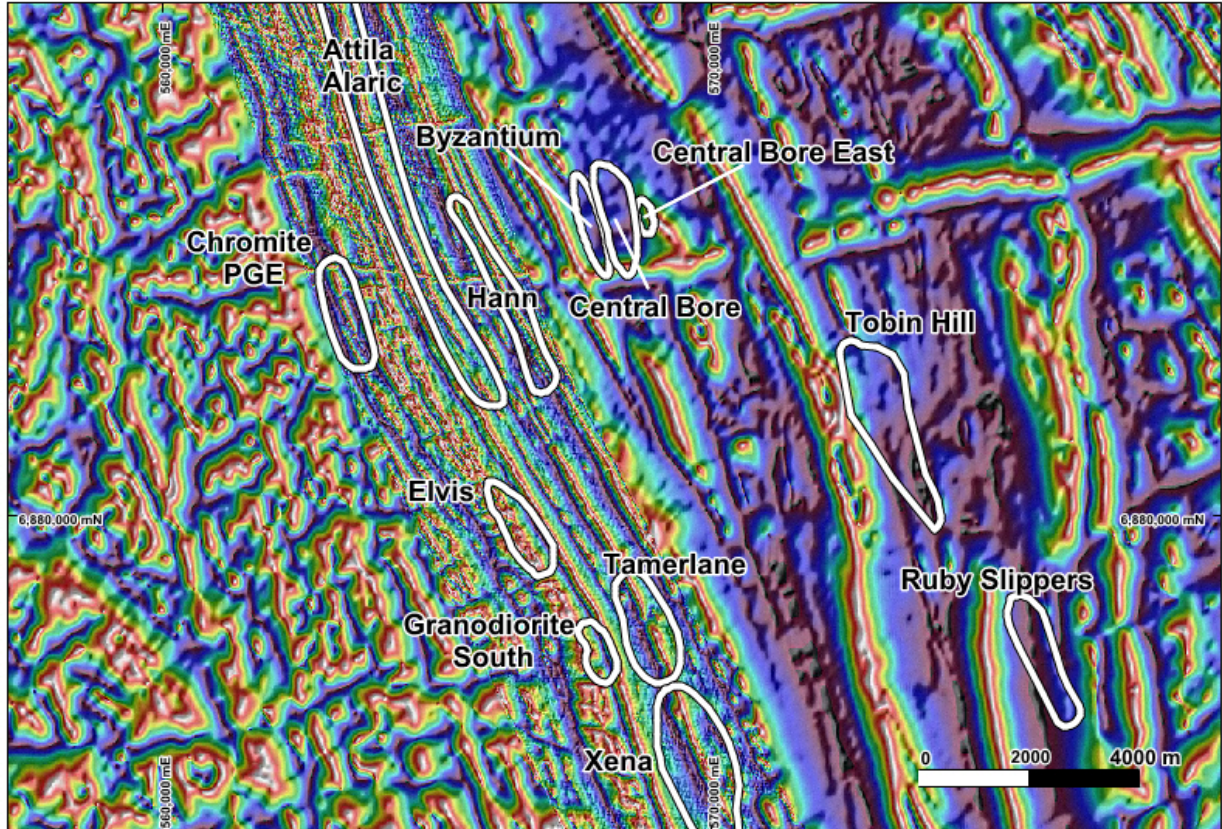
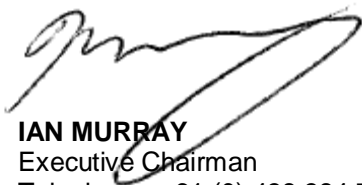


Figure 1: Prospect Location Map overlaid on the Magnetics

Yours sincerely



IAN MURRAY

Executive Chairman

Telephone: +61 (0) 438 384 735

www.eleckramines.com.au

NOTES:

The information in this report which relates to Exploration Results, or Mineral Resources is based on information compiled by Ziggy Lubieniecki, the General Manager of Eleckra Mines Limited, who is a Member of the Australasian Institute of Mining and Metallurgy and a Member of the Australian Institute of Geoscientists. Ziggy Lubieniecki has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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". Ziggy Lubieniecki consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.

APPENDIX:

The Yamarna Project is located approximately 150km east of Laverton on the eastern edge of the Yilgarn Craton and within the Yamarna Greenstone Belt.

The Mineral Resources according to JORC code for the Yamarna Gold project (Refer to Eleckra's ASX announcement dated 1 September 2008).

Table 3. The Mineral Resource inventory for the Yamarna Gold project as at 21 August 2008.

Note: rounding errors may occur.

At 0.5 g/t Au Cut off	2008 Resource		
Resource Category	Tonnes	Au Grade (g/t)	Contained Au (Troy Oz)
Measured Resource	6,449,000	1.55	322,000
Indicated Resource	6,251,000	1.36	273,000
Inferred Resource	7,117,000	1.41	322,000
Total	19,817,000	1.44	917,000

At 1.0 g/t Au Cut off	2008 Resource		
Resource Category	Tonnes	Au Grade (g/t)	Contained Au (Troy Oz)
Measured Resource	5,027,000	1.75	283,000
Indicated Resource	3,745,000	1.75	211,000
Inferred Resource	4,356,000	1.82	255,000
Total	13,128,000	1.78	749,000