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Dear Sir / Madam

### **High Grade Intersections Extend Central Bore Gold Mineralisation to the South – Remains Open Along Strike**

Eleckra Mines Limited ("Eleckra") (ASX: EKM) is pleased to announce continued high grade results from **Central Bore** which support the first and second batches of assays from its current 10,000 metre RC drilling program at its 100% - owned Yamarna Gold Project. The Yamarna Project is located approximately 150km east of Laverton on the eastern edge of the Yilgarn Craton and within the Yamarna Greenstone Belt.

#### **Highlights**

- **3<sup>rd</sup> batch of assays indicates southern extensions of gold mineralisation at Central Bore;**
- **Drill rig relocated to Central Bore to follow up southern extension;**
- **Visible gold panned in first holes of the follow up drilling at Central Bore;**
- **24-hour bottle roll cyanide leach and gravity separation testwork started.**

In the current phase of RC drilling at **Central Bore**, Eleckra has completed eighteen holes for 3,594 metres. Assay results from the **third batch** of six RC holes have been received returning exciting elevated gold values of up to **22.2 g/t Au** over a one metre interval.

Significant results include:

- **1 metre at 21.7 g/t Au from 173 metres**
- **2 metres at 12.2 g/t Au from 136 metres including 1 metre at 22.2 g/t Au**

These results are particularly significant as the mineralised intercept with **2 metres at 12.2 g/t Au** comes from the most southern hole, 10EYRC16, indicating the mineralisation remains open to the south. High grade gold mineralisation (>10g/t Au) has now been intersected over a strike length of over 500 metres.

Due to these high grade gold assay results, Eleckra has temporarily suspended the Hann drilling program and moved the drill rig back to Central Bore to test for extensions further to the south of the recent drilling. Gold mineralisation was not identified in surface soil or rock chip sampling in this location as the mineralisation is obscured by shallow Permian scree. It is planned to test a further 200 metres to the south of holes drilled to date potentially significantly extending the strike of the mineralised zone.

Three out of six holes drilled in the next phase program at Central Bore have so far intersected mineralisation with abundant visible gold being panned as follows:

- Hole number 10EYRC0066 between 47 metres and 49 metres
- Hole number 10EYRC0067 between 201 metres and 204 metres
- Hole number 10EYRC0069 between 130 metres and 131 metres

Samples will be sent to the laboratory for assay and results will be released as they become available.

## **Central Bore Metallurgical Testwork Commenced**

Eleckra has selected 47 drill samples from the mineralised intercepts at the Central Bore deposit for 24-hour bottle roll cyanide leach testwork.

Eleckra is also commencing gravity separation testwork on mineralised samples from Central Bore in order to determine gold recovery through a gravity circuit.

The Central Bore maiden resource is expected to be completed in second half of 2010.

The third batch of assays also included 6 reconnaissance holes from **Byzantium**, and 19 holes from **Hann**.

### **Hann**

The 3<sup>rd</sup> batch of results included 19 holes from the two southern-most lines at Hann prospect. Five holes returned grades above 0.5 g/t Au. The results from the remaining 20 holes are expected in late June 2010.

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### **Byzantium**

At Byzantium, three holes on one line tested the western base-metal anomaly and three holes. The best intercept of 1m @ 0.8 g/t Au associated with 0.3% Pb (assayed with Portable Niton XRF) in hole 10EYRC0019. The surface samples from gossanous sulphidic volcanoclastic outcrop near hole 10EYRC0019 returned up to 1.5% Pb (assayed with Portable Niton XRF), elevated zinc, copper, barium, arsenic and molybdenum. It is considered that the area around Byzantium and Central Bore has potential for hosting volcanogenic massive sulphide (VMS)-style of base metal deposits. The nearest VMS deposits to Yamarna are Jaguar and Teutonic Bore located approximately 250km NNW of Kalgoorlie.

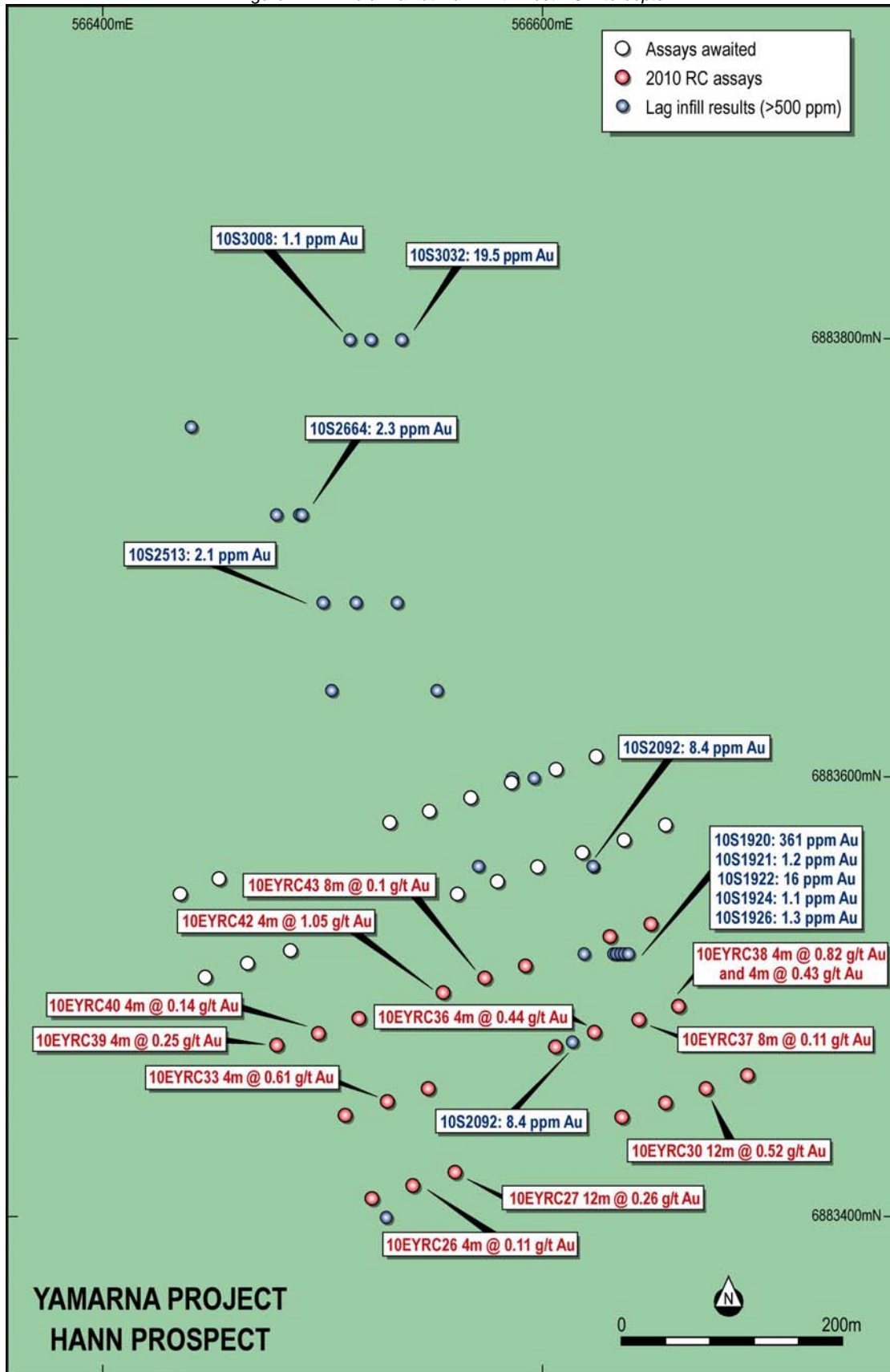
Three holes were drilled to test the eastern anomaly at Byzantium. Weak gold mineralisation was intersected in all three holes associated with a narrow 3m-wide basalt unit within an intermediate volcanoclastic unit. The best result was 4m at 0.58 g/t Au from 60m in hole 10EYRC0022.

### **Management Discussion**

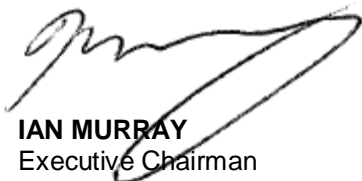
Eleckra is delighted with the success of its early stage drilling of these targets. To date three soil anomalies generated in 2009/2010 have yielded anomalous to ore grade gold mineralisation. This represents an excellent success rate and supports the case for further detailed soil geochemistry to identify additional mineralised horizons



Figure 2. Drill-hole Plan at Hann with Best RC Intercepts



Yours sincerely



**IAN MURRAY**

Executive Chairman

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

Table 2: 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)
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
<b>Total</b>	<b>19,817,000</b>	<b>1.44</b>	<b>917,000</b>

At 1.0 g/t Au Cut off	2008 Resource		
	Resource Category	Tonnes	Au Grade (g/t)
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
<b>Total</b>	<b>13,128,000</b>	<b>1.78</b>	<b>749,000</b>