ASX/Media Announcement

4 October 2013

Balogo Exploration Update

- Field exploration work has re-commenced at Balogo, following the wet season.
- A 2,500m infill auger drilling program has commenced over the Kabola gold anomaly, 100m south of the Netiana Lodes.
- A 2,000m RC drilling program designed to test the Netiana North and Kabola gold anomalies, and several other targets, is scheduled to commence next week.
- Further metallurgical testwork on gold mineralisation from the Netiana Lodes is planned to commence next week, to determine the amenability to processing using a modular Python plant, which could provide Golden Rim with a lower capital and operating cost alternative to a conventional modular milling and CIL plant.
- Phase 1 of the Environmental Impact Study at Balogo has been completed.

Golden Rim Resources Ltd (**Golden Rim** and **Company**; ASX: GMR) today announced it has recommenced field exploration activities at the Balogo Project, Burkina Faso, following the wet season.

Golden Rim's Managing Director, Craig Mackay, said *"The Company is excited about the recommencement of drilling at Balogo."*

"Drilling of the significant new gold anomalies at Netiana North and Kabola may show the potential for satellite, open pittable, gold mineralisation to add to our existing gold resource base on the Netiana Lodes."

*"The environmental and metallurgical components of our Bankable Feasibility Study (**BFS**) on the Netiana Lodes are progressing well. The metallurgical testwork will assist Golden Rim to decide on its preferred processing pathway for the Netiana Lodes and allow the Company to then select an appropriate engineering firm for the BFS",* Mr Mackay said.

Auger Drilling

An infill auger drilling program has commenced over the Kabola gold anomaly, which lies 100m to the south of the Netiana Lodes (Figure 1). The auger program will comprise approximately 300 holes to a depth of 6m to 10m for a total of 2,500m. Drilling will be conducted on a 25m x 25m grid on the existing portion of the anomaly and then extended on a 100m x 25m grid to the south where the anomaly remains open.

The Kabola anomaly, with >100 ppb gold, lies under 5m of transported black soil, covers an area of 300m x 200m, and has a peak value of **1,489 ppb gold**. The Kabola anomaly is larger and is higher in tenor than the auger gold anomaly over the Netiana resource.

Due to the black soil cover at Kabola being too thick for trenching, infill auger drilling is required to provide Golden Rim with a better understanding of the orientation of the bedrock gold mineralisation prior to deciding the location of follow-up reverse circulation (**RC**) drill holes.

Reverse Circulation Drilling

An RC drilling program comprising approximately 20 holes for a total of 2,000m is scheduled to commence at Balogo next week. Approximately 1,300m of this drilling will initially test the significant Netiana North gold anomaly, along with a number of other new bedrock gold mineralisation targets. The remaining 700m of the RC drilling program will be used to test the Kabola gold anomaly, following the completion of the infill auger drilling.

Ten drill holes are planned to test the Netiana North gold anomaly which lies 300km NE, along strike, from the Netiana Lodes (Figure 1). This new auger anomaly, with >100 ppb gold, lies under 2m of transported black soil, covers an area of 300m x 200m, and has a very high peak value of **13,526 ppb gold**. This new anomaly is similar in size to the anomaly above the Netiana Lodes and is much higher in tenor, with the peak auger sample value over the Netiana Lodes being **581 ppb gold**.

Extensive quartz-hematite-stockwork veining was exposed in a number of trenches excavated across that Netiana North anomaly. This veining is similar to the high grade gold mineralisation identified in the drilling across the Netiana Lodes.

The best trench intercepts from Netiana North include:

- **12m at 5.3 g/t gold** , including **1m at 60.4 g/t gold** from BT27; and
- **16m at 0.6 g/t gold** from BT31.

The intercept of **12m at 5.3 g/t gold**, including **1m at 60.4 g/t gold** obtained in BT27 at Netiana North is particularly significant, as it is the best trench intercept obtained to date at Balogo and is better than the gold intercepts in the trenches which are directly above the high grade Netiana Lodes. As such, the high grade gold mineralisation exposed in BT27 is the priority target for the planned RC drilling program.

Three drill holes are planned to test a 130m long zone of stockwork quartz vein hosted gold mineralisation recently located 1km NE of the Netiana Lodes (Figure 1). The mineralisation is open along strike and lies under 2m of transported black soil cover. Rock chip sampling has produced high grade results such as **21.2 g/t gold, 20.7 g/t gold and 17.6 g/t gold**.

A single drill hole is planned beneath Trench BT32 which is located 700m north of the Netiana Lodes in an area that had previously returned anomalous rock chip results, including **10.5 g/t gold, 5.0 g/t gold and 3.2 g/t gold**. The trench returned intercepts of **3m at 4.1 g/t gold**, including **1m at 10 g/t gold**, and **10m at 0.3 g/t gold**, suggesting there may be another NE-trending zone of gold mineralisation parallel to the zone that hosts the Netiana Lodes.

Metallurgical Testwork

Golden Rim has sent approximately 100kg of mineralisation from the Netiana Lodes to Gekko Systems Pty Ltd (**Gekko**) in Ballarat for further metallurgical testwork.

This testwork will determine the amenability of the Netiana Lodes to processing using Gekko's modular Python plant which involves gravity pre-concentration of the gold followed by flotation of the gravity tail

and Intense Cyanide Leaching of the combined flotation and gravity concentrates. This simplified process has a lower capital and operating cost, compared to conventional milling and Carbon in Leach (**CIL**) processing, and is expected to give +90% gold recovery while taking advantage of a much coarser grind and completely eliminating the milling and CIL steps at reduced cyanide consumption and tail end detoxification costs.

The process will use either a Vertical Shaft Impactor or High Pressure Grinding Rolls to achieve the required grind size and final recovery using state of the art resin technology. The modularised plant has a small footprint and would be fully assembled and tested in Australia prior to dismantling and shipping to Burkina Faso.

The testwork program is being supervised by Coffey Mining and is planned to commence next week.

Environmental Impact Study

Phase 1 of the Environmental Impact Study (**EIS**) at Balogo has been completed.

SOCREGE Sarl set up a meteorological station at the Balogo camp in August 2013 and collected meteorological data through the wet season. In addition, fauna and flora and sociological surveys were completed.

A preliminary report on the Phase 1 work will be submitted to Golden Rim in the coming weeks and this information will form part of the final EIS report that will be submitted as part of the permitting process for Golden Rim's proposed mine development at Balogo.

Phase 2 of the EIS will consist of the collection of similar data after the wet season from October to December 2013. The final phase will involve data collection from January to April 2014.

A final EIS report should be available from SOCREGE by June 2014.

-ENDS-

For further information, please contact:

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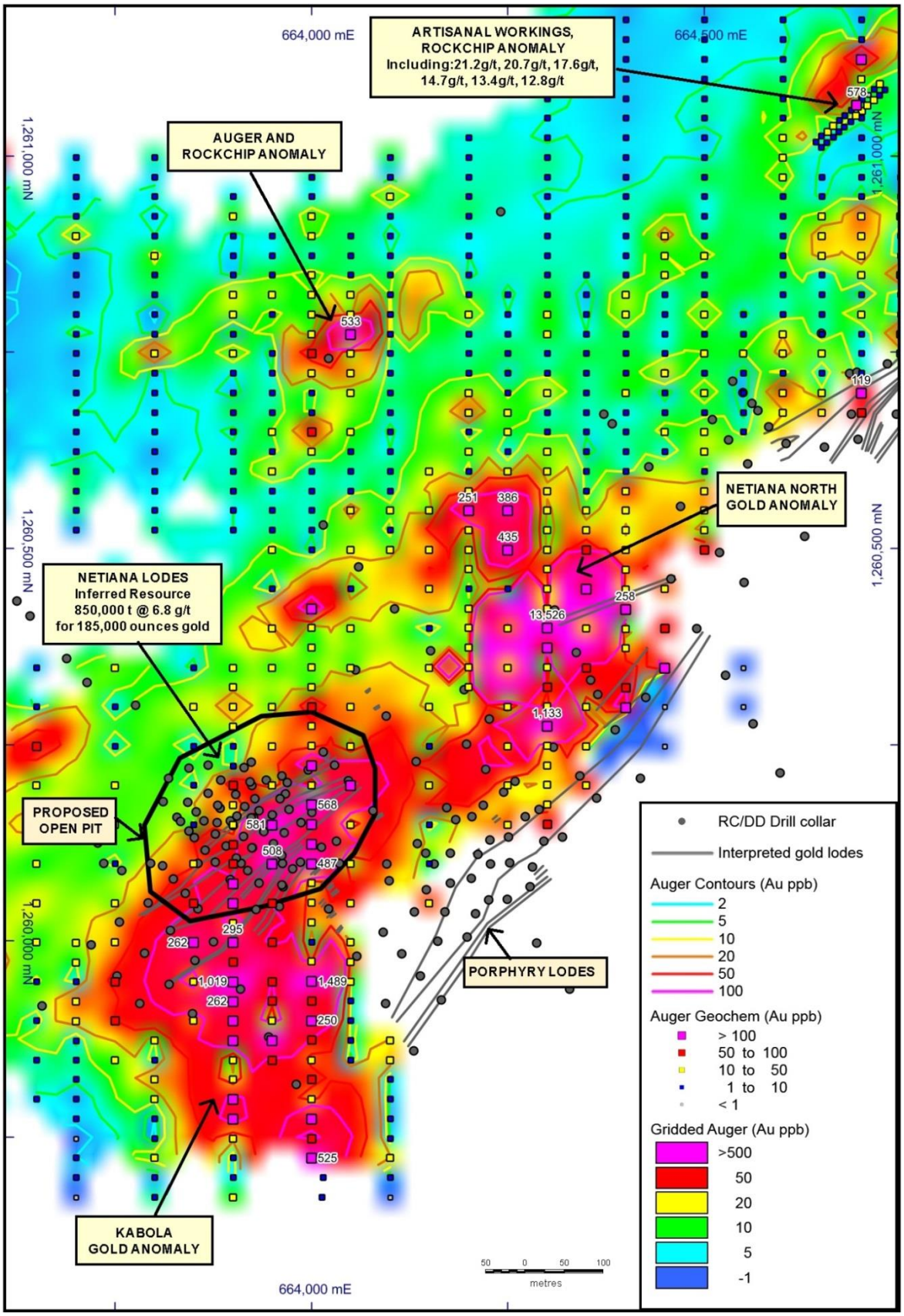

Figure 1. Location of the significant new auger gold anomalies at Balogo.

The information in this public report that relates to exploration results and mineral resources is based on information compiled by Mr Craig Mackay who is a member of The Australasian Institute of Mining and Metallurgy. Mr Mackay is an employee of Golden Rim Resources Ltd. Mr Mackay 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 for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Mackay consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Further Company Information

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Capital Structure

Issued Shares: 653,006,923
Unlisted Options: 33,650,000

Major Shareholders

Royal Group, Abu Dhabi 8.34%

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