

## Q1 2023 Exploration Report

### **Brownfields Exploration**

Brownfields exploration continued at all AGA operational and project sites during the quarter. The notable highlights in Q1 2023 were:

- No significant safety and health, environmental or community incidents were reported for the quarter.
- In Q1, brownfields exploration teams completed 162 km of capital and 42 km of expensed drilling at a cost of \$20.1m and \$10.9m respectively.
- The most notable economic intercepts were achieved at:
  - Geita: Nyankanga, Geita Hill and Star and Comet (cut3) underground. The Nyamulilima pit also delivered significant economic intersections.
  - At Obuasi Block 10.
  - The Kounkoun project in Block 3 and Bidini at Siguiri.
  - Boston Shaker, Havana and Tropicana underground at Tropicana. Double Vision – a regional target -- also provided a significant intersection.
  - Sunrise Dam – Frankie, Astro Steeps, Vogue Deeps and Jaguar.
  - The quartz vein zone and Fonte Grande Sul at Cuiaba.
  - Carruagem at Lamego
  - Silicon and Merlin in Nevada.
  - The Luciana vein at CVSA.
  - Agbarabo-Rhino underground at Kibali.
  - Rosalino underground at CDS
- At Geita drilling is primarily aimed at extending the underground mineralization both down plunge and along strike. At the Nyamulilima pit, drilling has extended the mineralisation at depth below the pit design.
- Primary drilling success at Obuasi came from Mineral Resource definition and delineation drilling which continues to add Mineral Resource in Block 10 which is to be mined as early as next year.
- Most of the drilling at Tropicana is targeting underground extensions and infilling areas to be mined soon. Surface exploratory work continues in the vicinity of the mine and delivered a successful intercept from Double Vision, which will be followed up.
- Drilling continued during the quarter at Silicon and Merlin with eight rigs operating. This drilling is part of an aggressive 2023 campaign which will see a further 45,000 meters drilled. To date over 200 kilometers have been drilled across Silicon and Merlin. At Silicon, drilling is targeting extensions at depth, where the mineralisation remains open. At Merlin, Mineral Resource delineation drilling continues to produce

very promising results that support and enhance our understanding of this exciting orebody.

- While many of the significant economic intersections indicate underground opportunities, Nevada continues to deliver significant intersections which are likely to be mined via open pit.

## **Greenfields Exploration**

During Q1 2023, greenfields exploration took place in Argentina, Australia, Brazil, Guinea and the United States. Total expenditure was US\$7.4m for the period.

### **Australia**

At the Corvette prospect in the Laverton District, results from a Q4 2022 diamond drilling programme were received. Any follow-up drilling is dependent on heritage surveys and further technical assessments.

No field work was completed at the Queensland projects due to the wet season. Planning, permitting and engagement with stakeholders continued for diamond drilling at the Muldiva prospect, which is scheduled for Q2.

### **USA**

Diamond drilling is scheduled to commence in mid-April at the Midnight Star prospect in Nevada. At Birthday West, gold-in-soil anomalies have been defined over +2km in strike extent at the Confetti, Summit and Twin Buttes prospects, with additional soil sampling planned.

### **Brazil**

Infill stream sediment sampling was undertaken in the Ibia District with 467 samples collected. Geological mapping, soil and rock sampling were completed at Alegre prospect, Lagamar District.

### **Argentina**

At the El Cori prospect in Salto Province, field activities focused on the collection of baseline study data required for both the drill permit application and the wider baseline report. Likewise, at the Organullo prospect (AGA option agreement with Latin Metals), work focused on community engagement and environmental impact assessments.

### **West Africa**

Regolith mapping and first pass auger drilling was undertaken in the Shira District, Guinea.