

Sertão Drilling Update

Completion of first eight holes extends known mineralisation and discovers a second parallel mineralised zone

Highlights

- The first eight drill holes of a planned 23-hole program to follow up positive historical drill holes have been completed at the Sertão Gold Mine.
- All completed holes have intersected the target zones as well as a second zone of quartz veins with abundant sulphides and alteration.
- Whilst assays are pending for all holes (expected next month) Orinoco's exploration group views the alteration and veining observed in the drilling as encouraging.

Orinoco Gold Limited (ASX: **OGX**) is pleased to advise that it has completed the first eight holes of its maiden drilling at the 100%-owned **Sertão Gold Mine**, a key regional growth opportunity for Orinoco located 28km from its flagship **Cascavel Gold Mine** in central Brazil.

The 3200m diamond drilling program, which has been designed to test for extensions of known mineralisation at Sertão, is aimed at confirming the down-plunge and along strike continuity of previously mined shallow high-grade gold mineralisation evident in historic intersections such as 0.7m @ 48.2g/t gold (~ 30m down dip from Sertão open pit in hole GVD029) and 0.33m @ 119.6g/t gold (~750m down dip from Sertão open pit in hole GVD080).

To date, the eight completed drill holes have intersected the target zone ~100m down plunge of previously mined oxide gold mineralisation. The target zone consists of quartz veins and silicification and associated sulphides hosted in a metamorphosed dolomite.

All of the completed drill-holes have also intersected a parallel mineralised zone located ~25m above the targeted gold zone, also consisting of quartz veins and sulphides. While assays are pending, information received from drilling to date supports Orinoco's view that the gold mineralisation at Cascavel and Sertão, which are located ~18km apart on the same set of shear zones, are closely related and that multiple gold zones such as those found at and around Cascavel, are likely to also exist at and around Sertão.

The current drill program is being executed in two phases, with the first phase designed to test the down-dip continuation of the ore bodies from the previous shallow open pits while the second phase will test extensions along strike to the north of previously mined orebodies. Assays for the first phase of drilling will be received and released as a group at the end of this phase of drilling.

The Company has not currently received any assays for the target zones. Given the coarse gold evident throughout the Faina Goldfields, drilling for grade at Sertão is expected to yield both high and low grade results, with the confirmation of the structure of the mineralised zone being the key objective.

Orinoco's Managing Director, Mr Mark Papendieck, said that the initial drill holes were encouraging and supported Orinoco's view that mineralisation at Sertão is likely to have significant extensions.

"Although it is only the early stages of our maiden drill campaign at Sertão, what we are seeing to date is consistent with the data that we have from historical mining and exploration at Sertão and from our experience at Cascavel. The information points towards the Faina Goldfields being a well endowed mineral system with excellent continuity of structure and mineralisation down plunge.



Figure 1. Drill core from the alteration zones in hole STO 001 and 002

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Competent Person's Statement:

The information in this presentation that relates to Exploration Results is based on information compiled by Dr Klaus Petersen who is a member of the Australasian Institute of Mining and Metallurgy and CREA and Dr. Marcelo Juliano de Carvalho who is member of the Australasian Institute of Mining and Metallurgy. Dr Klaus Petersen and Dr. Marcelo Juliano de Carvalho are employees of Orinoco Gold Limited and have sufficient experience, which is relevant to the style of mineralisation under consideration and to the activity that they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Klaus Petersen and Dr. Marcelo Juliano de Carvalho consent to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Previous Reported Results:

There is information in this report relating to Exploration Results at Cascavel. Full details of the Results were included in the following ASX Release and are available to view on the Company's website www.orinocogold.com:

1. 18 February 2014 – Orinoco to fast track Brazil Development after Acquiring Former Sertão Gold Mine from Troy Resources.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the Exploration Results in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

