



ASX/Media Release – 25 July 2018

Drilling commences at Sertão following review of historical data

- The continuation of the 'Back to Basics' strategy has seen the start of a review of all historic production and exploration data. The aim of this review is to prioritise some 20+ exploration targets that sit across our entire greenstone belt and define which ones deserve greatest attention near term. The scope for major gold discoveries appears encouraging and the regional exploration work carried out by former owners SML (Troy Resources NL 70%) in 2001 and 2007 was extensive with 22,360 meters of RC drilling (495 holes), 39,705m of RAB (1025 holes), 4,160m of percussion drilling (217 holes), 105m of AC drilling (7 holes) and 6,178m of DDH drilling (162 holes). With an average drilling depth of less than 39m, SML generally only assessed high priority targets to shallow depths with a focus on open pittable targets. Prior to 2001, exploration completed by WMC was generally focused on Sertão and the Antena Cluster and included 16,180m of DDH (118 holes) and 2,000m of RC (56 holes) for an average drilling depth of 105m.
- To their credit, our exploration team has commenced this full review while completing the stage 1 drilling program of 13 holes at Antena-Xupe which will be reported to the market as soon as the results are received from ALS. So far four holes have been reported on 1 May 2018 entitled *"Diamond Drilling Results 21.7 metres @ 4.49 g/t at Antena-Xupe"*. The current exploration program at Antena suggests that high grade gold mineralisation remains both in the pits and down dip from the previously mined areas with decent thickness and width. We are also awaiting results at Tinteiro for a second batch of rock chip samples after reporting on 13 June 2018 *"Tinteiro rock chip samples grade up to 1.75% cobalt 0.5% nickel and 0.6% copper"*.
- As part of this review, the Company conducted a detailed study of the Sertão Prospect which has an existing JORC Mineral Resource estimate of 223,111 tonnes at 6.9g/t for 49,268 ounces of contained gold. As a result of this work, an IP anomaly consistent with existing ground geochemistry has been identified directly to the west of the Sertão Stage 4 and Stage 5 open cut pits.
- Sertão Stages 1-4 and 5 was mined by Troy Resources between 2002-2006 and produced 256,000 ounces (189,500 ounces Stages 1-4 and 54,200 ounces in Stage 5) at an average grade of 25 g/t. The Sertão Stage 4 and Stage 5 orebodies were 65m and 25m wide respectively and were intensely mineralised and structurally controlled along the shallow sections previously mined by Troy. Our exploration team assess that the previous attempts by OGX in 2015 and 2016 with the STO001 to STO023 drilling campaign failed to conclusively define the continuation of the

mineralisation along strike due to drill spacing in excess of 80m, however a review of the data gained from this campaign does successfully define sections of continuation of the ore shoots with drill holes STO004, STO005, STO006, and STO022. Further analysis of the geochemical data from all existing drill holes in the area directly to the west of Stage 4 and Stage 5 pits, including STO001, STO002, STO007, STO008, STO009, STO010 and STO011 indicates zones of intense alteration which is interpreted to identify the extremities of the mineralised ore shoots. These results were reported on 28 January 2016 entitled *“Completion of Orinoco’s Maiden Sertão Drilling Campaign”*.

- Analysing the data gathered from the 2015 campaign with historic data from SML, Troy, WMC and the SRT001 (Yamana) drilling together with the existing induced polarisation survey of the project provides very strong support for the theory of continuation of the intense mineralisation along a structurally controlled fluid pathway to the west and north. Our exploration team assess the findings of this modelling to indicate potential significant extensions of the Stage 4 and Stage 5 orebodies.
- Modelling of this potential orebody indicates that it is directly accessible for underground mining from the existing pit directly onto the continuation of the high-grade mineralisation that is present in the existing pit wall and floor.

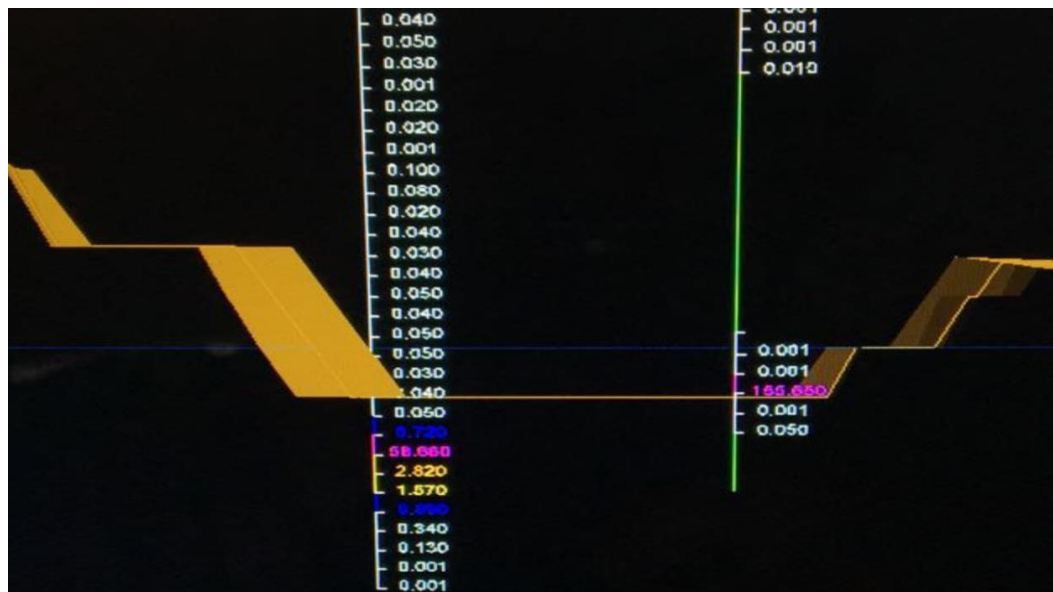


Figure 1 – South East to North West cross section of the existing Sertão Stage 5 open cut pit showing SRC58 (left and un-mined) SRD33 (Right and mined) mineralisation continuation beyond the existing open cut pit.



Figure 2 – Sertão Stage 5 open cut pit at the final depth of 65m.

- Some of the historic drill intercepts that have contributed to this model include the following:

STO001(OGX) - 1m @1.51g/t from 118m

STO002(OGX) - wide alteration only

STO004 (OGX) 0.5m @7.33g/t FROM 141m

STO005 (OGX) - 4m @10g/t from 126.2m including 0.5@21.4g/t from 130.7m

STO006 (OGX) - 1.1m @5.05g/t from 140m

STO022 (OGX) - 4m @12.4g/t from 150.2m including 0.5@46.8g/t from 150.2m

GVD080(WMC) - 0.33m @129.60g/t from 259m

GVD029 (WMC) - 0.7m @48.26g/t from 72.4m

GVD061 (WMC) - 2m @2.62g/t from 108m

SRT001 (Yamana Gold) - 2m @18.73g/t from 541m

SRD7 (SML) - 0.8m @5.15g/t from 70.09m

SRD9 (SML) - 11.72m @2.78g/t from 78.5m, including 1m@28.66 from 78.5m

SRD13 (SML) - 1.35m @6.28g/t from 74.45m

SRD14 (SML) - 0.62m @22.97g/t from 92.26m

SRD036 (SML) - 1m @19.99g/t from 68m

SRC58 (SML) - 1m @58.66g/t from 71m and 2m @2.19g/t from 72m

SRC132 (SML) - 1m @23g/t from 67m

SRC137 (SML) - 1m @17.9g/t from 55m

SRC139 (SML) - 1m @8.2g/t from 57m

SRC140 (SML) - 1m @3.44g/t from 76m

SRC141 (SML) - 1m @32g/t from 93m and 11m @0.27 from 120m

SRB130 (SML) – 6m @2.09g/t from 75m including 1m @10.04g/t from 78m

- The company has commenced a 12-hole drilling programme at Sertão on 18 July 2018 and looks forward to updating the market as it progresses. Click [here](#) to see the first drill hole commencing at OST001.

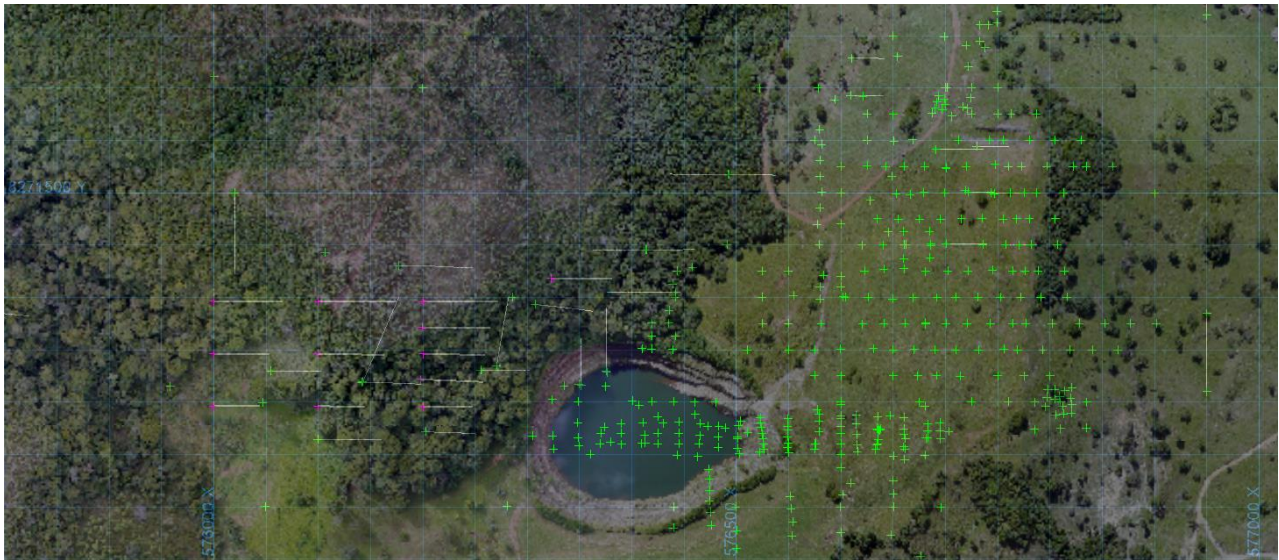


Figure 3 – Sertão 12 drill hole programme.

- Three additional high priority targets, Nena, Estrella and Santa Rita, have also been identified in the systematic ongoing review so far. The significance of these three targets was not previously understood by the Company as the exploration at the time was not completed by Troy / SML owing to a shift in focus from this region to their Andorinhas Project which they procured in November 2006. The Company looks forward to updating the market on the historical results and potential of these targets in the future.
- Orinoco is hosting a 4-day Investor trip on 6-10 August 2018 to Cascavel, Tinteiro, Sertão, Antena, Eliseo, Nena, Estrella and Santa Rita. Should investors have interest in attending, please contact us.

Orinoco's Head of Exploration, Mr Thiago Vaz Andrade, said: "We are excited to restart a drilling campaign at Sertão to test our theory of a continuation of a potential intense mineralisation along a structurally controlled fluid pathway to the west and north. There appears the potential for significant extensions of the Stage 4 and Stage 5 orebodies but we will only know by putting down holes which I am pleased have started with OST001. This deep dive study back into Sertão is something we are also doing at our other exciting new targets we have identified in our ongoing review - Nena, Estrella and Santa Rita. With exploration also underway at Tinteiro, Eliseo and Antena, this is shaping up to be a busy second half of the year for Orinoco's Exploration team."

-ENDS-

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Competent Person Statement:

The information in this announcement that relates to Exploration Results and geology is based on information compiled by Thiago Vaz Andrade who is a member of the Australasian Institute of Mining and Metallurgy. Thiago Vaz Andrade is an employee of Orinoco Gold Limited and has sufficient experience, which is relevant to the style of mineralization 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. Mr Thiago Vaz Andrade consents to the inclusion in this announcement of the matters based on the information in the form and context in which it appears.

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