

# **Orsu Metals Achieves Positive Results from Cyanidation Tests on Oxide Material at the Sergeevskoe Gold Project, Russia**

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White Rock, British Columbia (FSCwire) - [Orsu Metals Corp.](#) (TSX-V: OSU) (&#8220;Orsu&#8221; or the &#8220;Company&#8221;) is pleased to announce positive cyanidation test results for oxide samples from Adit 5 and Kozi prospects at the Sergeevskoe Gold Project in Russia.

Highlights:

- At Adit 5, sample TR5-17-1, grading 1.75 g/t Au, showed an 85.17% to 95.30% recovery of gold.
- At Kozi, sample TR2-17-2, grading 3.02 g/t Au, demonstrated gold recoveries of 91.72 % to 92.32%.

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Dr. Alexander Yakubchuk, Director of Exploration of Orsu commented: &#8220;Our cyanidation tests for samples with oxide mineralization collected from Adit 5 and Kozi prospects achieved excellent recoveries of gold varying from 85% to 95%, depending on rock fractions, and amenability of oxide to heap leaching. Orsu is designing a 2018 exploration programme aiming to estimate mineral resources in oxide and sulfide material.&#8221;

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The license of the Sergeevskoe Gold Project occurs immediately east from the Alexandrovskoe open pit and gold plant owned by Zapadnaya Gold Mining Ltd and to the west from the Klyuchevskoe gold license owned by Sun Gold Mining (Figure 1). The Klyuchevskoe (Klyuchi) gold deposit represents a +6 Moz gold endowment (see Orsu press-release dated September 21, 2016). Orsu owns a 90% interest in the Sergeevskoe Gold Project (see press release December 1, 2017).

As part of its 2017 exploration works, Orsu collected two samples from oxide material at Adit 5 and Kozi prospects for cyanidation tests. The samples consisted of rock fragments, 50 mm in size and smaller. The tests included studies of physical properties as well as bottle roll and percolation column cyanidation. The study was conducted at the SGS Vostok Limited (&#8220;SGS&#8221;) laboratory in Chita, Russia, which is independent from Orsu. SGS subcontracted a mineralogical study to the Institute of Mineralogy, Uralian Branch, Russian Academy of Sciences in Miass, Russia, which is also independent from Orsu.

Figure 1. An outline of the 7.6 sq km Sergeevskoe license area with location of principal gold prospects and two adjacent open pits.

To view the graphic in its original size, please [click here](#)

### *Chemical composition*

Sample TR5-17-1 (94.74 kg) was collected from Trench S23TR17-5 (Fig. 1; see press release November 13, 2017) at the Adit 5 prospect. Mineralogical analysis identified that rocks consist of quartz, tourmaline and potassic feldspars. The rock is strongly oxidized, with abundant kaolinite and goethite. There is free gold up to 0.1 millimetre (&#8220;mm&#8221;) in size. The relic sulfides are mostly pyrite and subordinate arsenopyrite. SGS assayed 1.75 g/t Au and 1.32 g/t Ag in sample TR5-17-1, with 2.8% S<sub>total</sub>, 0.1% S<sub>sulfidic</sub>, 0.15% C<sub>total</sub>, and <0.05% C<sub>organic</sub>. The oxidation state of sample TR5-17-1 is 99%.

Sample TR2-17-2 (80.52 kg) was collected from Trench SKZTR17-2 (see press release November 9, 2017) at the Kozi prospect. Mineralogical analysis identified quartz, tourmaline and potassic feldspar. Due to oxidation, the sample comprises 10.6% of kaolinite and 1.6% of goethite. The sulfides are mostly pyrite, oxidized into goethite, and rare arsenopyrite. Sample TR2-17-2 also contains free gold up to 0.1 mm in size. SGS assayed 3.02 g/t Au and 1.72 g/t Ag in this sample, with 1.55% S<sub>total</sub>, 0.15% S<sub>sulfidic</sub>, 0.12% C<sub>total</sub>, <0.05% C<sub>organic</sub>. The oxidation state of sample TR2-17-2 is 90%.

Mineralization in samples TR5-17-1 and TR2-17-2 has low concentration of base metals (zinc, lead, copper, nickel) totalling 0.11% and 0.063%, respectively. They reveal low concentrations of arsenic and antimony.

### *Physical properties*



Gold and silver are irregularly distributed in rock fractions. In sample TR5-17-1, most gold occurs in fraction -1.7+0.075 mm. In sample TR2-17-2, most gold was recovered from fraction -19.5+9.5 mm. Most gold was recovered from fine fractions, with sharp increase in recoveries from fraction -0.075 mm. This indicates that most gold is free and is in fine fractions.

Phase analysis showed that in sample TR5-17-1 there is 95.31% of gold that can be solved into cyanide. In sample TR2-17-2, there is 92.06% of gold that can be solved into cyanide.

#### Qualified Person

This release and the technical data reported have been reviewed and approved by Alexander Yakubchuk, Director of Exploration of the Company, also a Qualified Person as defined in NI 43-101.

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To view the original release (with media), please click here

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