

Severo-Leonidovskoye deposit

Kostanay region

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Location: The Severo -Leonidovskoye deposit is located in the Denisovsky district of the Kostanay region.

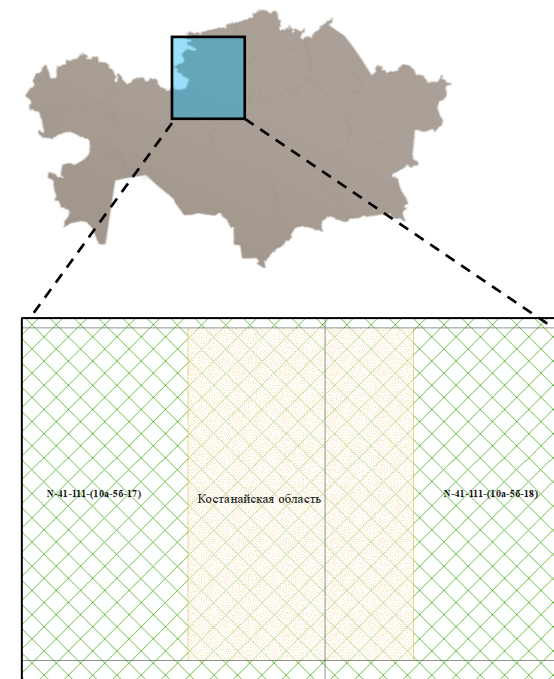
Brief geological characteristics: The Severo -Leonidovskoye ore occurrence was discovered during geological survey work at a scale of 1:50,000 sheets N-41-III-A, B (V.I. Maksimenko et al., 1976). In 1976-79, as a result of generalizing geological, geochemical and geophysical materials at a scale of 1:200,000, the Zhanatalapskaya prospective area was allocated for gold prospecting (V.Ya. Klimov et al.). In 1980-84, general prospecting work for gold was carried out within the Zhanatalapskaya gold-promising area, based on the results of the work, gold-promising zones of the North -Leonidovsky site were identified and recommended for further study (V.M. Tishchenko et al., 1984). The calculation of reserves of oxidized ores was carried out according to temporary (estimated) conditions, the parameters of which were adopted by analogy with similar deposits in Kazakhstan, and in general were confirmed by technical and economic calculations (TER) on the possible industrial significance of the North- Leonidovsky deposit. The parameters of conditions recommended by the authors for calculating reserves of oxidized ores for open-pit mining conditions are as follows:

- cut-off gold content in the sample for delineating balance reserves of ore - 0.3 g/t;
 - minimum intersected industrial capacity of ore bodies included in the calculation of reserves - 1.0 g/t,
- for lower power but high gold content, use the corresponding metrogram ;
- maximum thickness of layers of waste rock and substandard ores – 3.0 m.

The assessment of the predicted gold resources in the primary formations of the Severo -Leonidovskoye deposit was made based on the analysis of materials from deep exploration and exploration and evaluation core holes. The predicted resources were estimated according to category P1 to a depth of 170 m of ore bodies 1-3, 5, 9, 11, 17, 23 and amount to 3.3 million tons of ore and 3,698 kg of gold with an average grade of 1.12 g/t.

The enlarged technical and economic performance indicators for the development of oxidized ore reserves at the Severo -Leonidovskoye deposit indicate the possibility of efficient operation of the future enterprise.

Deposit: TOO " Akhsual ", based on license No. 729-EL dated 06.08.20.



- the contour of the deposit is Severo - Leonidovskoye
- licenses for GIN

Extract from the state inventory records as of 01.01.2024.			
Type of mineral	Balance reserves		Off-balance sheet reserves
Gold		C2 –1004 kg.	