

Location: 3.5 km northeast of the Nickel-Tau railway station and 16 km southwest of the Batamshinsky urban-type settlement in the Aktobe region. Discovered in 1933 during a study of the deposit's natural mineral dyes.

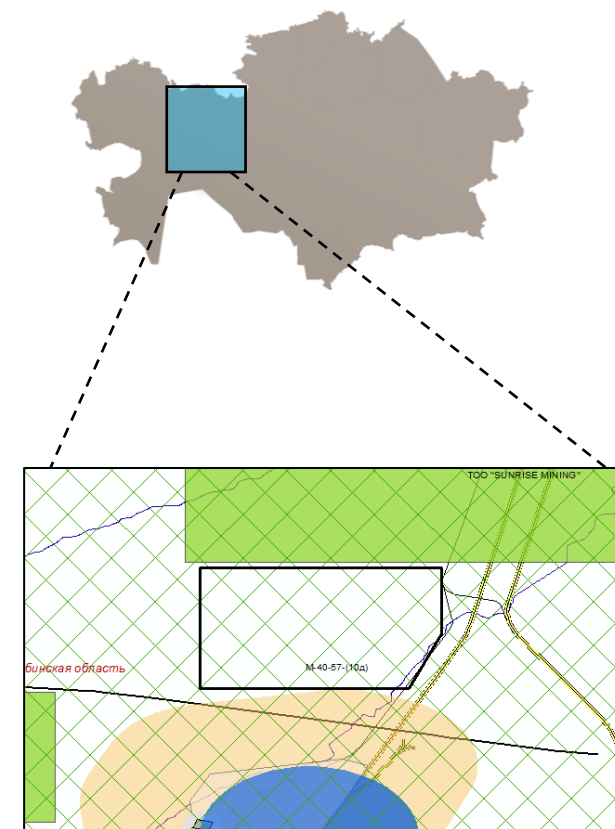
Brief geological characteristics: Cobalt-nickel mineralization is confined to the weathering crust of apodunite serpentinites that make up the watershed surface. The weathering crust is represented by a reduced profile, in which only two zones are distinguished: leached and nontronitized serpentinites and a zone of ocher. Industrial mineralization is noted in both zones. Within the deposit, 8 deposits of commercial ores have been identified, uniting 16 ore bodies ranging in length from 25 to 750 m with an average thickness of 3.3-6.8 m. The depth to the roof of the ore bodies varies from 0.2 to 19 m. All ore bodies of the deposit are tabular in shape and horizontal in occurrence with high variability in thickness. The shape of the bodies in plan is irregular. The areas of individual ore bodies reach 213,515 sq. m. In addition to industrial ones, the deposit contains eight small-sized substandard ore bodies with low nickel and cobalt contents.

The main ore minerals are nontronite and nickel-containing chlorite; the secondary ones are kerolite, garnierite and asbolane. The amount of nontronite does not exceed 40-50% of the rock volume, chlorite 10-30%. They occur as aggregate clusters of scaly green grains. Asbolane forms thin veins in leached serpentinites and dense crusts in rock cavities. Its amount in the ore is about 1%.

The deposit's ores are divided into two technological types by chemical composition: ferrous, which makes up about 75% of the reserves, and ferrous-magnesian, which makes up 25% of the reserves. The average nickel content in the ore is 1.27%, cobalt - 0.05%, copper - 0.048%, chromium oxide - 2.5%.

Extract from the state inventory records as of 01.01.2024.

Useful component	Balance reserves	Off-balance sheet reserves
nickel	A+B+C1 – 3.5 thousand tons	6.1 thousand tons
cobalt	A+B+C1 – 247 tons	220 tons



Shelektinskoye field), for further auctioning

- licenses for GIN

- river