

Geophysical deposit 3 Aktobe region

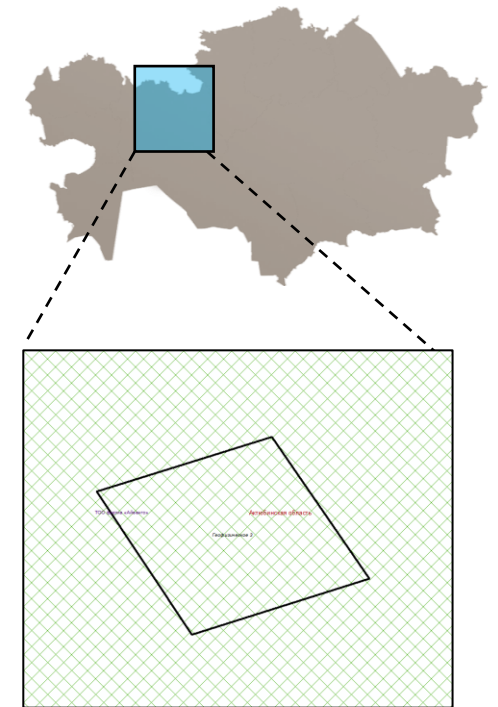
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Location: located in the Mugodzharsky district of the Aktobe region, 15 km east of the Geophysical I deposit.


Brief geological characteristics: The deposits are confined to the northern periclinal closure of the Karasai anticline, composed of metamorphic rocks of the South Mugodzhar series. The metamorphic rocks are migmatized , with intersecting and conformable granite dikes and quartz veins. Particularly large dikes of porphyritic biotite granite are found at the Geofizicheskoe III deposit. The general strike of the host rocks is submeridional , with an eastern dip of 40-80°. Disjunctive faults are accompanied by silicification , vermiculitization , talcification , etc.

The composition of the host rocks of the hyperbasites is biotite gneisses with layers and lenses of graphitic quartzites and amphibolites. The deposit contains varieties enriched in sillimanite. The graphite content in quartzites is 1-3%. The graphite is finely flaked, uniformly distributed on the planes of schistosity.

At Geophysical III, one deposit 80 m long with a maximum thickness of 21 m was identified. It was traced to a depth of 53 m and was not fully outlined. At Geophysical IV, two subparallel deposits were identified. The larger (eastern) one was traced for 60 m, with an average thickness of up to 60 m. It pinches out at a depth of 20 m. The second deposit (western) is 12 x 30 m in cross-section and was traced to a depth of 10 m. It dips to the east at an angle of 65-70°. The shape is lenticular. The deposits have a talc- anthophyllite composition with an industrial content of asbestos fiber. At the deposit, the fiber content for class +0.5 mm ranges from the cutoff to 18%, for class +1.6 - 0.15-0.8%.



 - the territory included in the PUGFN for solid mineral extraction (m- eGeophysical 3), for further auctioning

 - licenses for GIN

Extract from the state inventory records as of 01.01.2024.

Useful component	Balance reserves	Off-balance sheet reserves
asbestos	A+B+C1 - 1.4 thousand tons , C2 - 0.05 thousand tons	0.3 thousand tons