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## The study of ore-controlling factors and prospective areas according to the remote sensing

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In the course of processing and decoding of all submissions received, remote survey and digital terrain models within the Shu-Ile ore belt area identified linear, ring and arc structures, areal body and two uneven structural units. Ore-controlling factors and prospective areas according to the interpretation of satellite images were analyzed. Usually, the ore-controlling factors of the selection is based on a comprehensive analysis of heterogeneous information on the work area - geological, structural, geochemical, metallogenic and other data. In this case, the authors of the paper have only structural, partly geological information on the considering area. In connection with this, we distinguished only structural ore controlling factors. It should be noted that in this area can be expected manifestation of magmatic minerals associated with the formation of the complex of ultrabasic and acid igneous rocks. In the area of work can be found occurrences of chromite, platinum group metals, chrysotile asbestos and gold, and in close proximity to the north-eastern border of the work area also displays molybdenum and tin. Based on these factors, we highlighted 7 promising blocks of the first stage and the 3 blocks of the second stage. Available in the complex search operations on the allocated promising areas include: search routes lithogeochemical survey on primary and secondary dispersion halos, areal geophysics - magnetometric and electrometric (methods of the NP and IP) recording, decoding data satellite imagery of high and ultra-high spatial resolution, surface mining.

### Biography

A Baibatsha is Professor at Kazakh National Research Technical University named after KI Satpaev in Almaty, Doctor of Geological and Mineralogical Sciences. He is the Head of Innovation Geological and Mineralogical Laboratory. He is Author of over 510 papers, including more than 40 textbooks and monographs. He is engaged in plume-tectonics of Kazakhstan and prediction of mineral deposits on data of earth remote sensing.

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