

STRUCTURAL ZONING OF FRACTURES OF THE VERKHOTYANSK-KOLYMA OROGENOUS REGION

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Verkhoyansk-kolyma orogenous region is located to the east from the Siberian platform and spreads along the distance of nearly 2 000 km from the Okhotsky sea to the Laptev sea in the north.

The objectives of the research were: 1. To elucidate the characteristic features of structural organization in the areas of dynamic influence of the regional fractures. 2. To build the whole classified row of fault disturbances. 3. To define the ore-controlling role of the fractures. In the result of the research conducted the following have been established: 1. The formation of the regional fractures is zonal. The zone of main fracture, axial zone and wings can be singled out. 2. According to the scale of manifests(in the decreasing order) the global, general, regional and local fractures have been singled out. 3. The largest gold deposits are connected with the zones of dynamic influence of the regional fractures, longitudinal ones to the folded, connected with the collisional stage of the orogenous region development.