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THE NON-TRADITIONAL TYPE OF GOLD MINERALIZATION IN THE AREA OF SEROV-MAUK DEEP FAULT, NORTHERN URALS

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The conditions of gold mineralization in the field of Serov-Mauk deep fault located in Chernorechensk area of Krasnotur'insk gold bearing zone are reviewed. The ore bearing Chernorechensk fault separates Tagil and East Urals mega-blocks. It is considered as shear-thrust and consists of series of scales that deep to east with angle of 20-45°. The development of polycyclic metasomatic processes is in conjunction with multiple magmatic manifestations in the area. The result of that is the appearance of skarns, propylites, beresite-listvenites (with rich gold ores), argillizites. The gold-argillizite formation of the gold-telluride mineral type was the object of estimation. The gold mineralization corresponds to conditions of post-collision activities. The typomorphic mineral associations of gold-argillizite process are reviewed. The particularities of native gold are characterized on the basis of the small technological sample investigation. The gold mineralization have been evolving at shallow conditions, under influence

either endogenous (mostly) or exogenous factors. Revealed geological and structural peculiarities of ore localization are recommended to consider in forecast evaluation of non-traditional type gold placers.

Key words: *gold, mineralization, deep fault, endogenous, exogenous, condition, post-collision.*

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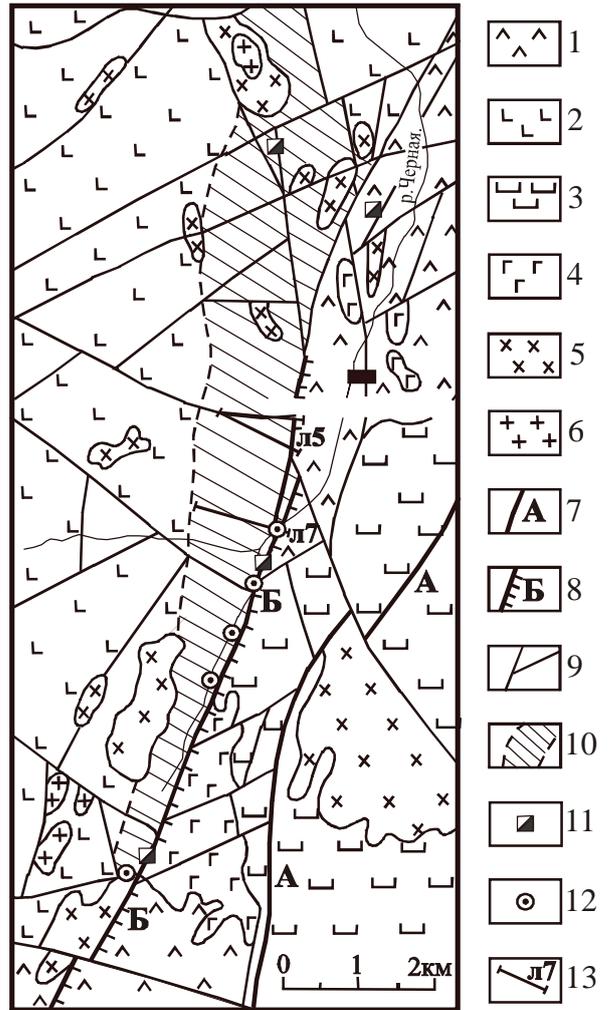
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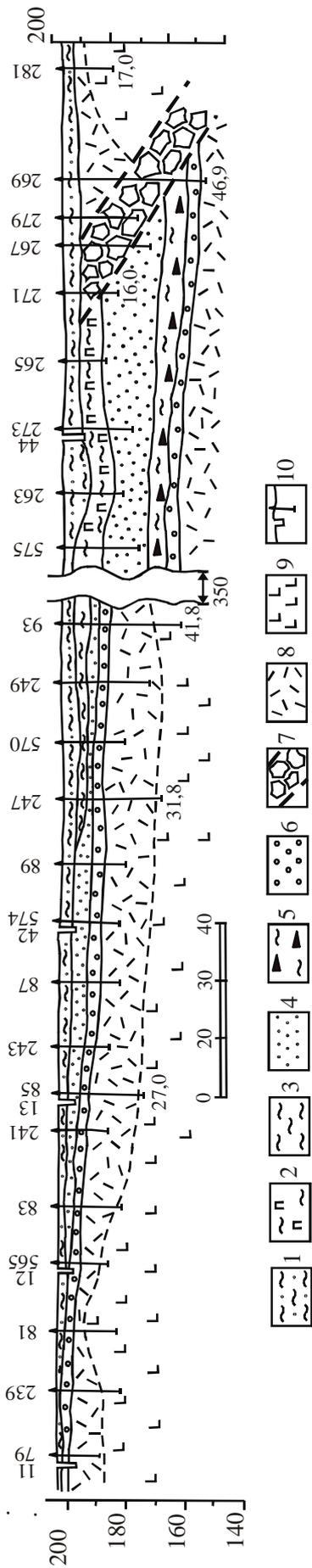
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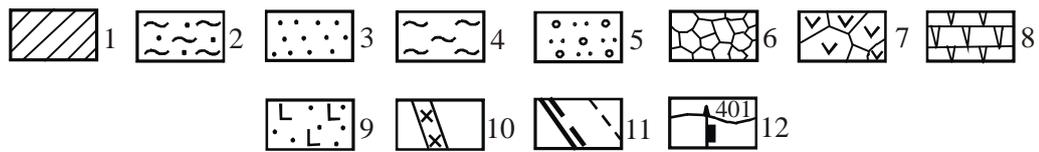
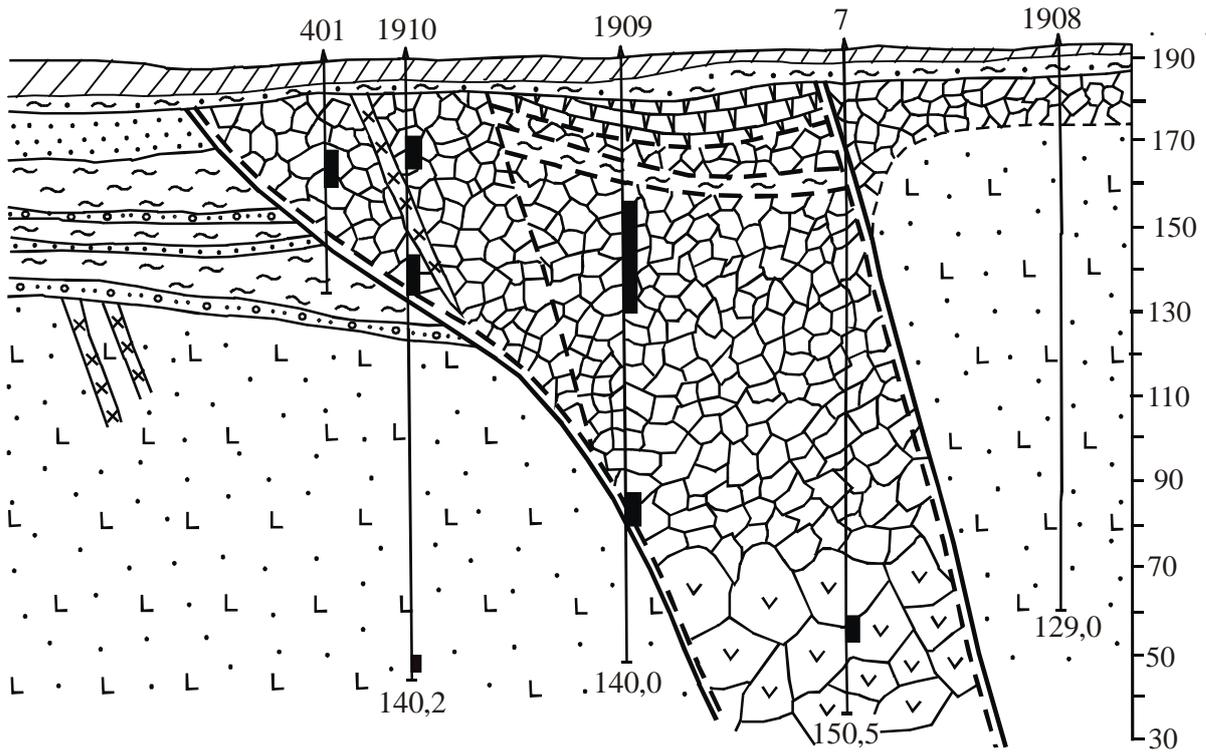
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