

PROBLEM OF RADICAL DIAMOND DEPOSITS OF THE URALS IS THE PROBLEM OF THE 3rd MILLENNIUM

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The history of Ural (European) diamonds numbers about 170 years but up to now Ural diamond carrier province remains one of those for which diamond primary source not to mention radical deposits is still unknown. The object of industrial exploitation of people's enterprise « Mine Uralalmaz » is quaternary alluvial deposits of a number of branches of Vishera River (the basin of Kama and Volga River) and deposits of erosive-karst depression and containing-karst deposit-karst intermediate diamond collectors.

The result of the last 10-years investigations of the northern part of East European platform of the first province of kimberlite magmatism in Europe is Arkhangelskaya with industrial diamond deposit - Lomonosovskoye. Geological and structural surrounding of the province is similar to the western platformian part of Perm and Komi-Perm autonomous region because they belong to large common structure - Sarmat (Upper Volga) nuclear. This is added by the similar appearance of diamond majority of Ural and Arkhangelsk provinces, the complex of diamond minerals-sputniks in deposits. This gives a hope to forthcoming discovery of kimberlite magnetism of mesozoic and cainozoic age in Permian part of common Arkhangelsk-Perm sector of East European platform as well.

Though special research works for diamonds here, in western platformian part of Perm region haven't been conducted the results of the last years in geological investigation of areas in the scale 1: 200 000 PSGE «Geokarta» allow to hope for successful decision of the problem of radical diamond deposits of the Urals at the beginning of the 3rd millennium already.