

## **PROGNOSTIC AND SEARCHING CRITERIA FOR GOLD MINERALIZATION**

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Establishment of the economic gold mineralization in the gneiss complexes and respective new type of gold deposits in the Ukrainian Shield allows to stress the problem of new objects searching in the weakly studied, in term of gold, regions of similar geological features, based on the experience obtained. On the example of Klinty gold deposit the complex of prognosing and searching criteria has been worked out. Among them are the following: tectonic and structural criteria; formational and lithological; igneous, metamorphic and ultrametamorphic; hydrothermal-metasomatic; mineralogical and geochemical; zonation, geophysical and age criteria. The special role in ore-gold localization play Fe-Mg-Ca metasomatites of the prograde stage (the sections of amphibolization and micatization – “klyntsovites”, diopsidization, high-temperature skarns formation) and fluidizites (lens-like, bended rocks which close associate to blastomylonites and pseudotachylites).