

TYPES OF GOLD-PLATINUM-BEARING ORE-CONTAINING SYSTEMS OF THE MIKHAILOVKA IRON-ORE DEPOSIT OF KMA

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The depletion of the proved reserves of gold and platinoids in the last decade has posed an acute problem of searching for new unconventional sources. In our country some types of iron ores and products of their enrichment can become such a source of noble metals. The problem of utilization of iron-ore raw materials and the products of their processing as an alternative source of noble metals has a considerable economic significance for the whole Russia. Within the limits of the Mikhailovka iron-ore deposit of KMA four genetic types of gold-platinum-bearing ore-containing systems associated with different metamorphogenetic- and hypogene-metasomatic formations are established. The scheme of their distribution is drawn up and the objects of the accompanying and selective extraction of noble metals are determined. New data on the nature of distribution in these types of noble metals and mineral forms of their presence are given.