

**RARE EARTH ELEMENTS IN THE ROCKS OF EARLY
PROTEROZOIC FERROUSSILICEOUS-SHALE FORMATION
OF KRIVOROZHISKY BASIN: APPLICATION
FOR REMODELING OF FORMATION ENVIRONMENT**

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Based on the distribution of rare earths made for the series “Krivorozhskaja” of Ukrainian Shield, the transgressive-regressive phase of sediment formation is identified with transgression peak referring to the iron-ore suite; the jaspilites are the most deep-sea sediments of the series; the series formation occurred in the humid climate environment, the saxagan suite formed in the semi-humid or humid climate environment; the ferrum source has a polygenetic character: ferrum partially appears at the cost of re-sedimentation of weathering products and partially - at the cost of endogenous mechanism of inflow (hydrothermal waters, subaqueous exhalations).