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Laterite Type Profile in Nickel Mineral Deposit "Baks" Kosovo Territory

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Abstract: Mineral deposit "Baks" consist of three ore specific zones and represents lateric nickel-iron products of weathering crust process developed in ultrabasic rocks. The southern part of the ore is covered by silicificated zone and hydroxides of iron. The eastern part of the Baks ore zone is fully covers over the Pliocene and Quaternary sediments so weathering crust in this section is determined only by drilling well. Northwestern ore zone is characterized by very large opal masses of 30 m., which cover the weathering crust and are present elements of medieval exploitation which have been legislated semi-precious stones. Metalogeny studies have defined different parts of mineral deposits Baks with different vertical geochemical zones. The paper aims thanks of metalogeny studies to clarify and define the main geology conditions forming different weathering crust profile nickel ore in mineral deposit Baks. Clarification of these nickel laterite profiles presents particular significance criterion for further research of iron-nickel ore products that will define the new structural metalogeny units in the territory of Kosovo.

Keywords: *lateritic profile, metalogeny study, mineral deposit, nickel content*

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