



The Use of Magnetic and ERT Methods for the Detection of Iron-Nickel Ore Bodies, in the Krivenik area, Kosovo

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Abstract: During the May-June 2012 period, in the south of Seqisht village, in the Kosovo - FYROM border, geophysical works have been carried in an area of about 0.35 km², with the main objective, detection of Iron-Nickel bodies. Seeing in the surface the presence of an Iron body, it was chosen the geophysical methodology with the task, to follow the extension of this body toward depth and its extent. A detailed geological-geophysical recognition of the area and several test measurements with the resistivity and magnetic methodologies has been carried out above the surface manifestation of the ore body. Magnetic and Electrical Resistance Tomography (ERT) has been chosen as surveying geophysical methods. The existence of magnetic and resistivity anomalies depicts the presence of the Iron ore bodies in the form of dikes which are in vertical contacts between serpentines and limestone.

Keywords: *Ore bodies, magnetic, Electrical Resistance Tomography, Serpentines, Limestone.*

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