

This bachelor work is summary of the available geology and mineralogy information on geology and mineralogy of Golden mountains area. Rychleby Mountains are situated in the north of Moravia and Silesia. The mountain belongs to the Lusatian (Lugikum) and the Silesian region (Moravosilesikum) from the regional geological division of the Bohemian Massif. There isn't uniform view at a more detailed breakdown of the studied area (see e. g. Pouba 1962; Kachlík 2003). However representation of rocks of different age and character in all sub-units Golden Mountains are very varied. Highly metamorphosed rocks of Proterozoic age are among the most common rocks of this area. Dating all the rocks in whole region is problematic due to the high degree of metamorphism and the absence of fossils. From the mineralogical point of view is best explored Silesian part of Golden Mountains with the remains of a large number of mines and quarries in the crystalline limestone, deposits of iron ore, graphite and uranium.