

Mineralógia rudného výskytu pri Hiadeli v Nízkych Tatrách (Slovenská republika)

Mineralogy of an ore occurrence near Hiadel' in the Nízke Tatry Mts. (Slovakia)

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Abstract

In this contribution, we studied mineralogy of a small, long abandoned ore occurrence near the village of Hiadel' in the Nízke Tatry Mts. (Slovakia). An earlier mineral association consists of pyrite I, arsenopyrite, rutile, apatite, monazite, and possibly zircon. This association is located in alteration zones with abundant sheet silicates. Carbonates are found in this association but also in the milky quartz that contains no sheet silicates. The composition of the carbonates is variable; they belong to the siderite-magnesite and dolomite-ankerite solid solution, rarely to calcite. Later ore minerals are represented by stibnite, Pb-Sb sulfosalts (zinkenite, jamesonite, or robinsonite), tetrahedrite, chalcostibite, bournonite, and pyrite II. The temporal relationship among these minerals cannot be determined from our samples. Tetrahedrite is Zn-rich and Ag-poor. From a mineralogical point of view, this occurrence does not deviate from other ore deposits and occurrences known in the Tatric part of the Nízke Tatry Mts.

Key words: *ore mineralogy, Nízke Tatry Mts., Hiadel', chemical composition, sulfosalts, Slovak Republic*

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