

## Bi-minerály a doprovodné sulfidy rudního výskytu Cu-Mo Vidly pod Pradědem (Česká republika)

Bi-minerals and associated sulphides of the Cu-Mo ore occurrence near Vidly pod Pradědem,  
Hrubý Jeseník Mts. (Czech Republic)

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### Abstract

Small Cu-Mo ore deposit near Vidly pod Pradědem (2.5 km south of Vrbno pod Pradědem, Czech Republic) is formed by ore disseminated in polyphase-metamorphosed blastomylonites of the Orlick Block nappe. A rare local occurrence of Bi minerals whose aggregates do not exceed 600  $\mu\text{m}$ , is restricted mainly to small grains (< 2 - 200  $\mu\text{m}$  in size) hosted by pyrite or within boundaries between pyrite and chalcopyrite. Pilsenite is a dominating mineral phase, joséite-A, joséite-B, native Bi, tsumoite and tetradymite are less frequent. Cosalite containing ~ 4 wt. % Ag and solid solution phases lillianite - gustavite (4 to 8 wt % Ag) are frequent too. The origin of the assemblage of Bi minerals can be linked to the metamorphic processes in the wider area. In the Jeseníky Mts., the Bi minerals of the same genetic position have been described from Zlaté Hory and Zlatý Chlum near Jeseník deposits.

**Key words:** Bi-Te-minerals, sulphides, mineralogy, chemistry, metamorphogenic association, Jeseníky Mts.

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