
BASEFLOW EVOLUTION FROM THE PART OF BOHEMIAN-MORAVIAN HIGHLANDS

CHMELAR, R.

Department of Geological Sciences, Faculty of Science, Masaryk University

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This article is focused on evolution of baseflow from part of the Bohemian-Moravian Highlands. This is a topical issue and, given the current situation, is also often discussed. The problem of groundwater and its recharge is an important (not only) hydrogeological problem, as climatic conditions in recent years, especially low precipitation, have a negative impact on groundwater recharge. In order to analyze this situation and evolution, the values of groundwater recharge and baseflow were calculated from part of the Bohemian-Moravian Highlands near town Nové Město na Moravě for years 2006–2015. The catchment areas of the Fryšava River and the spring PB0286 were investigated in this thesis. Calculation of baseflow and groundwater recharge values for these different catchment areas was carried out by applying the Maillet equation and the hydrogeological program PART at the data obtained from the CHMI. Also, it was necessary to briefly describe geology, geomorphology, climatic conditions, and hydrology of the area of interest.