

Abstract

The aim of this work is to show, how much different is the flowing mine water and water, which was not affected by surface mining. The literature on this theme was collected and evaluated. The question was studied in the experimental project, which covered examination of mine landscape water in Sokolovsko. In this research, 17 samples of different flowing water were taken and following values were determined: pH, conductivity, acidity, alkalinity, hardness, content of nitrates and nitrites, ammonium ions, phosphates, iron, chloride, calcium and manganese ions. These data were compared between samples from sites with different degrees of mining extension. The measured values were compared with previously published values from other sites.