

Abstract

The aim of this thesis is to evaluate, describe and justify changes and development of water quality and selected indicators of pollution in the Berounka river basin. Part of the thesis is a review of the concept of water quality and analysis of obtained results. These dates come from the late 1960s to the present day. The basic statistical means will be used to analyze the basic concentrations of substances with the search for the biggest changes and differences during the monitored period. The measured results are then converted into maps or graphic outputs. Based on the data obtained, it is possible to create a longer-term picture of the water quality and its development in the Berounka river basin over the last 60 years.

Key words: Berounka river, water quality, water régime, nitrate, organic substances, water pollution, water quality mapping