

Abstract

This bachelor thesis presents, in the first part, physical-geographical characteristics of the Úpa River basin. It is described in terms of geology, geomorphology and soil characteristics, biogeography, land cover and climate. The individual characteristics are based on the research from scientific literature. The next part details the hydrography with absolute and descriptive characteristics of the basin and river network. The third part focuses on the evaluation of the runoff regime of the river Úpa, which is based primarily on processing and evaluation of data series from 1988 to 2011 from the Česká Skalice and Zlích stations. Analysis of the runoff is carried out through daily, monthly, and annual flow regimes.

Key words: Upa river basin, hydrography, runoff regime, flow rate