

ABSTRACT

The present thesis deals with the definition of reference conditions of mountain and submountains streams in selected European countries and on the requirements of the Water Framework Directive 2000/60/EC. Here is presented the Typology of watercourses of Czech Republic and the delimitation of mountain and submountains types in selected locations in the Ore Mountains and the Bohemian Forest. In the second part of the work is solved hydromorphological status of watercourses. Monitoring was conducted on streams Rolava, Černá voda, Křemelná, Slatinný p., Modravský p., Roklanský p. and Javoří p. To evaluate the degree of hydromorphological quality was used Hydroecological monitoring method. The thesis includes a brief assessment of physical-geographic characteristics mentioned flows with emphasis on the runoff regime in their basins. In conclusion, there are identified and defined reference parts of streams and their characteristics.

Keywords: reference conditions, typology of streams, hydromorphological status, hydromorphological quality, hydromorphological monitoring, runoff regime