

Abstract

The aim of the thesis *Geomorphological evolution of Ralsko and Lipka hills* was to uncover historical evolution of the relief in the area of North Bohemia by the town of Mimoň and its current geomorphological situation and finally to create a geomorphological map of the given area. To reach those aims morphometrical, morphostructural and morphosculptural analyses and their resulting synthesis were used.

To evaluate qualitative characteristics and to find out relations between the relief and the bedrock structure in the morphometrical and the morphostructural analyses GIS programme was used. The same software was used while creating detailed geomorphological map of the given area in scale of 1:10 000, which is the appendix of this thesis. This map was created on the basis of observations detected during the field works. The evolution of this area from precambrium to present is summarized in the final chapter at the end of the thesis.