

Abstrakt

This diploma thesis deals with the question of snow hydrology applied in Rokytká catchment area which is situated in Šumava mountains. The outputs of field snow measurements are presented. They were undertaken in hydrological years 2007 and 2008 to show the spatial variability of snow cover accumulations and to estimate volume of water stored in the snow cover. These observations are confronted with the available data from surrounding meteorological stations. Further part is focused on possible method of estimation the spring snowmelt period. Analysis of discharge in winter and spring period is also presented.