

The thesis research a land use in six cadastral areas Drnovice u Valašských Klobouk, Vysoké Pole, Tichov, Bratřejov u Vizovic, Pozdětchov, Lačnov and especially it is focused on land use of forest areas. Sedimentological profile collected at Peklo area was used for vegetation reconstruction. Peklo is interesting especially for its slope deformations. The pellet was investigated using pollen analysis and was dated using the radiometric dating. The results provide information about the development of vegetation on the interested area and its surroundings. The population development and human impact on the forest area was also monitored.

Keywords: palynology, pollen analysis, land use, vegetation development, Western Carpathians