

ABSTRACT

I searched changes in the cultural landscape structure in the relation with social processes in the time period 1937–2010 in my thesis. The research refers to the second half of 20th century, or more precisely, to the era of collectivization of Czechoslovak agriculture. In consequence of collectivization, the landscape was ecologically devastated and overall the nature of Czech countryside changed. Analysis of the landscape structure has form of case study of cadastral area of Široký Důl. I interpreted landscape changes from historical aerial photos and then analyzed the changes by geographical information systems. The results of those analyses are indicators (landscape metrics), by which I interpreted conditions of landscape in particular time. I confronted the changes in the landscape structure with social processes, which are described in theoretical part of thesis according to background research. Result of my thesis is general story of particular landscape, whose structure changed fundamentally in consequence of collectivization of agriculture.

Key words: landscape structure, collectivization, landscape metrics, GIS, cultural landscape, aerial photos, Široký Důl