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FORMING SLOPES IN A POST-GLACIAL CATCHMENT (CHWALIMSKI POTOK, UPPER PARSEŃTA)

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*Summary*

The study analyzed the impact of slope exposure, gradient and altitudes on changes in land use and land cover in the small Carpathian catchment (Bystrzanka). The studies has shown the typical changes observed in other areas of the Beskid Mts. (Western Carpathians), ie. a decrease in arable land area and an increase in grasslands and forest area (in the period 1969–2010). There has been observed a direct relationship between the slope and forest area, and vice versa in the cultivated land. In addition, in 2010, in all altitudes ranges observed increase of forest and grassland areas (especially of old areas agriculture used) and a decrease in arable land. There were no clear effect of slope exposure on land use changes in last 40 years.