

Anthropogenic transformation of the Aragvi river basin relief

Ioseb Albutashvili

E-mail: ioseb.albutashvili199@ens.tsu.edu.ge;

Department of Geograh, Faculty of Exact and Natural sciences, Iv. Javakhishvili

Tbilisi State University #1, I. Chavchavadze Avenue, Tbilisi 0179, Georgia

The study region is notable for its unique natural conditions, strategic location, engineering-agricultural objects which are located within this region (transcaucasian motorway, main gas pipeline, mountain tourism, farming, hidro power plants). This is the very important support for country's economy.

Intensive engineering-agricultural activities (building of roads, digesting of the territory under high risk, construction of the high transmission towers and hydro power plants, construction of gas pipelines, anthropogenic transformation of relief) and natural conditions triggered activation of dangerous geodynamic processes (debrisflows, glacial mudflows, rock avalanches, snow avalanches, erosion, exhaustion, washing out of the river banks), which are accompanied with economic losses, damages to property and in some cases human deaths.

The study of the existing materials about the region and comparison of present condition demonstrated, that natural processes are activated. Therefore, it is very important that the anthropogenic transformation in the basin of Aragvi river be studied and evaluated, especially in a situation when such kind of research is not done in this region.

The main task of this work is to study anthropogenic transformation of basin relief of the Aragvi river.