

DIGITAL PRESENTATION OF SOME RESULTS OF ESTIMATES OF THE ACTUAL MUDFLOW HAZARD OF SELECTED GEOSYSTEMS OF THE WESTERN CAUCASUS

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This work presents the results of field surveys of selected areas of Karachay-Cherkessia and Krasnodar Territory by the Center for Geographical Research, for the presence of hazardous natural processes characteristic of this area. Among the HEP (hazardous exogenic processes) studied by us, mudflow and flood events can be classified as the most dangerous in the Western Caucasus. If the first of them, for the most part, are manifested in the mountainous part, where the height of the marks varies from 1000 to 2500 m above sea level, then, starting from the foothills, mudflows turn into floods, causing waterlogging and flooding, which cause enormous damage to agriculture and national economic facilities (NEF). The results obtained by us in the course of field research are subsequently entered into the internal database of the Center and are used as a necessary and sufficient material for compiling digital maps of the actual danger of the surveyed area. In this case, these are some mudflow basins of the Western Caucasus (the Gurman river in the Mostovskiy district of the Krasnodar Territory, the Bagovskaya village and the left unnamed tributary of the Bolshaya Laba river (below the Rozhkao village of the Urupskiy district).

Keywords: hazardous exogenous process, geosystem, geotaxon, integral indicator of natural and technogenic hazard of the territorial system, mudflow and flood hazard, monitoring.

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