

REGIONALIZATION OF HYDROLOGICAL PARAMETERS IN CALCULATING FLOODING FOR SMALL CATCHMENTS

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In recent years, the climate changes from Romania have determined the increase of the frequency of flash flood, the characteristic the small catchment and concurrently, negative effects of these weather phenomena were amplified by other factors (the deforestation, needs of the hydro technical works, etc.)

The paper studies the conditions of regionalization of hydrological parameters for these small watersheds (with restricted hydrological data), using the database of the large catchments (with direct observations and measurements over long periods of time). Small river basins studied have hydrological networks incomplete and the hydro technical arrangements generally low or insignificant. It emphasizes that, in this research database has as the goal to determine the peak discharges of calculation and could be used as the study model for minimum and medium runoff. The paper introduces the notion of analog basin, respectively experimental basin.

Finally, the paper allows for the analysis and conclusions of the hydrological parameters for the floods, corresponding of basins torrential on a few small catchments from Banat hydrographical space.

Keywords: analog basin, flash flood, conditions of regionalization, experimental basin.