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The timing variability of maximum water levels in the rivers of the North Caucasus /
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The intra-annual distribution of the timing of maximum water levels in the rivers of the North Caucasus has been studied. Observation data from 54 hydrological gauges for the period from 1961 to 2017 were used. The intra-annual distribution of these dates was typified, according to which for each season of the year their frequency may exceed 80%, be in the range from 50 to 80% or not exceed 50%. On this basis, the zoning of river sections in the North Caucasus is proposed according to the type of variability in the timing of maximum water levels. The geographical validity of the proposed zoning is confirmed by its good enough correspondence to the existing ideas about the peculiarities of flow formation and water regime of the studied rivers. The obtained results can be used to estimate the probability of dangerous floods in the rivers of the North Caucasus in different seasons of the year.

Keywords: the rivers of the North Caucasus, maximum water levels, timing of water level peaks, types of seasonal distribution, zoning

Tab. 5. Fig. 1. Ref. 21.