

Prospects for the Use of River Gubazeuli Runoff

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Modern climate trends lead to an uneven distribution of water resources between seasons. Therefore, it is important to assess river runoff in order to effectively distribute water among users at the basin level, which also represents the basis of basin management and a necessary stage in strategic planning of water resource use in river basins.

For the effective management of water resources, the hydrological regime of the Gubazeuli River has been assessed. Specifically, average annual discharges, intra-annual runoff distribution, maximum and minimum discharges, solid sediment, and other parameters have been considered. The scale of the impact of natural and anthropogenic factors on the quantitative characteristics of water has also been assessed. Water resources have been evaluated for individual sub-basins, and quantitative indicators have been calculated for different sectors of water users (population, irrigation, energy). This approach offers an opportunity to assess the river's water resources and to optimally distribute them among the participants of the water management complex.