

The Assessment of the River Alazani Water Resources and Water Management Use

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Alazani River and its tributaries are characterized by a large fall and abundance of water, which makes it possible to use it intensively. From the economic point of view, irrigation systems are in the first place, then hydroelectric power, population water supply and others. Thus, the water resources of the Alazani River and its tributaries poses great importance in the development of the economy and well-being of the population in the agricultural sphere. Taking modern problems into account, it is necessary to evaluate the water resources in the Alazani river basin.

According to the water framework directive agreement signed between the European Union and Georgia, Georgia is obliged to contribute to the strategic planning of the use of water resources in river basins.

For the effective management of water resources, the hydrological regime of the Alazani River has been evaluated. The paper discusses average annual costs, annual distribution of run off, maximum and minimum costs, and calculates the quantitative characteristics of water resources for ensuring water consumption. With such an approach, it is easy to assess the water resources of the Alazani River and rationally distribute it among different water complexes.

