

Assessment of Water Resources and Water-Economy Consumption of Kvareli Municipality

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As a result of the influence of natural and anthropogenic factors over water resources, its quantitative and qualitative characteristics are changed significantly; at the same time, increasing water consumption between different sectors will make it even more important to assess resources and their effective allocation at the municipal level, taking into account current problems. Issues related to water resources distribution are multidisciplinary and refers to a number of sectors and stakeholders.

There are evaluated the water resources of Kvareli Municipality in the paper, in particular the average annual expenditures of the main basins, the internal annual distribution of runoff, the maximum expenditures and others. The attention is also paid to the minimum runoff (water flow) for different seasons and the quantitative characteristics of water for different sectors of water consumption (population, irrigation, energy) are presented. Such an approach is an attempt to assess water resources within the municipality and to optimally distribute it among the participants of the water-economy complex.