

**ANALYSIS OF FACTORS OF THE SALGIR RIVER'S WATER RESOURCES
FORMATION UNDER THE CONDITION OF CLIMATE CHANGING**

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Human pressure on the environment coupled with natural factors of changing natural processes forms the complex conditions affecting the quantity and quality of water resources. In the article the factors of quantity and quality of water resources of the Salgir river's basin - the largest river of the Crimean peninsula - are analyzed.

Geological and geomorphological factors determine the spatial consistent patterns of atmospheric moisturization, the redistribution of the surface flow and formation of groundwater flow within the basin. The quality and quantity of water resources Salgir river's basin with geological and geomorphological point of view, are provided by the headwater of basin and anthropogenic pressures in this part will inevitably lead to a decrease in the quality and quantity of water resources.

Dynamics of the main meteorological parameters, of extreme hydrometeorological and dangerous meteorological phenomena on the Crimean peninsula testifies that sustained periods of secular cycle changes in the conditions of heat and moisture provision, expressed by means of integral curves of deviations from the average values characterize trends in the climate of the present-day period in the direction of warming and greater humidifying. The increase in the average annual values happens due to the winter temperatures. The increase the average temperatures in January during the study period in the general trend has reached about 0,6 ° C. The average value of amounts of precipitation increased by 11.5%.

Analysis of the dynamics of cases extreme hydrometeorological and dangerous meteorological phenomena showed that its quantity on the territory of the steppe Crimea and in the central part of the submountain region of the past 10 years has increased by more than 2 times; in the submountain region of the Crimea - more than 6 times; in the mountain region - conversely, the quantity of dangerous meteorological phenomena and natural hydrometeorological phenomena decreased over the last 10 years by 11%. In general, on the Crimean peninsula in the past 10 years the quantity of extreme hydrometeorological and dangerous meteorological phenomena has increased by 3 times.

Mountainous, in the past mainly forest landscapes, occupying 68% of the area of the basin, provide the quantity and quality of water resources of Salgir river's system. Greatly modified landscapes, including transformed, now equal to 35% of the Salgir river's basin, forest cover has decreased to 13.8% (in the past it was not less than 50%). Therefore, the amount of water resources according to expert estimation decreased by 30%. Anthropogenic pressure in the upper of Salgir leads to deterioration of both quality and quantity of water resources. Further transformation of landscapes mountainous part of the basin is inadmissible.

Under conditions of the degradation's intensification of natural landscapes in basin of Salgir river's system and, given the trend of increasing quantity of extreme negative processes, one of the most important methods of stabilization of the situation is the

landscape organization of territory considering factors of the formation of water resources.

Keywords: water resources, Salgir river, landscape, range of anthropogenic transformation of landscape, climate.

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