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of Life Sciences
and Technologies

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STUDENTS ON THEIR WAY TO SCIENCE
(undergraduate, graduate, post-graduate students)
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MODERN STATUS OF RIVERS OF IVATSEVICHY REGION (BELARUS)

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The hydrological network of Ivatsevichy region includes 16 rivers from which 10 originate in the area. Total length of the rivers of the region is 320 km. The longest rivers in borders of the area are Shchara (98 km from 325 km of total length), Grivda (53 of 85), Vislitsa (37,8 of 41,8), Zapruda (21,4 of 31,4). The rivers of the region belong to basins Baltic (9 rivers) and the Black Sea (7 rivers). The density of river network is 0.37 km/sq.km. The water volume of a local river drain is 10.7 m³/s or in absolute expression of 338 million m³ [1].

Distinctive feature of the region is the big areas of the drained lands. Their area is 55 thousand hectares. For functioning of these lands in agriculture the network of drying channels from which the largest are Zhegulyansky, Hodakovsky, Kosowski, Obrovsky has been built. There are also 8 ponds and 5 reservoirs which perform function of accumulation of water.

Existence in the region of melioration networks provides mass dumping of water during the spring period that as a consequence reduces water balance of the territory. Some lakes are used for the recreational purposes; they are: Vygonoshchanskoe, Bobrovichskoe, Sominskoe, Vulkovskoe [2]. A noticeable negative anthropogenic impact is characteristic of the coastline of these lakes.

A unique object in the area is the Oginsky canal built in 1767-1783. It connects the Shchara and Yaselda rivers and performed the transport function till 1914. Now the project of reconstruction of the channel is developed. The ecological condition of water objects of the area is satisfactory. The main sources of pollution are the agrarian enterprises and the residential territory. There are protected natural territories.

Thus, the hydrological network of Ivatsevichy region is various. There are rivers which have kept the natural course. Marsh massifs in many places have changed the primary state because of drainage network that substantially has affected the volume of the water drain. Existence of karst lakes origin demands respect for standards of ecological safety at implementation of environmental management in the territory.

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