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# FEATURES OF THE NORTHERN CASPIAN WATER AREA TEMPERATURE REGIME (KAZAKHSTANIAN PART)

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The temperature regime is one of the major characteristic of water objects both with hydrometeorological, and from the ecological point of view. Changes of the temperature regime in reservoirs influence a life of water organisms and plants. During long evolution the cool inhabitants of the water environment have adapted to the certain temperature interval. For each kind there is a temperature optimum that can change a little at the certain stages of life cycle. In the certain limits these organisms are capable to adapt by a life under higher or lower temperatures

Nevertheless there are the vivid examples of how fishes died, seaweeds made multiple copies fast rates, there were unseasonable changes of the water environment as a result of water temperature change. Such changes are mainly connected with thermal pollution that is a result of dump warm waters from courts and managing objects in water sources. However, whether to determine there is a thermal pollution, it is necessary to have information about a temperature regime and its characteristics.

This work presents researches of the Northern Caspian Sea temperature condition (Kazakhstanian part). Considering, that in this region there is an active economic activities changing ecological conditions of this sea region, such researches are actual.

The long-term data of the Republican Hydrometeorological Data Fund were the

sources for regime analyses.