

## Ecological Results of Creation of Average Kura Cascade and other Reservoirs

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### Abstract

From the conducted research it can be concluded that the construction of reservoirs created on the Kura River was very important for our country. The construction of both hydroelectric power stations and thermal power stations has greatly benefited our republic. The creation of the Kura River Cascade also prevented water floods. However, along with this, there were some negative effects on the downstream of the Kura River. For example, the water of the Kura (reservoirs, due to the regulation of water) decreased downstream, it should be noted that water does not reach the Caspian Sea in some seasons, and the surface of the sea water rises along the Kura on the contrary. This also leads to the fact that the biodiversity in the Kura is reduced and even destroyed. Due to global climate change, there are difficulties in meeting the country's water needs as a result of the lowering of the water level in the Kura and Araz rivers, the largest rivers in Azerbaijan. Clean water is reduced by 20% due to pollution of the Kura and Araz rivers from the territories of neighboring countries ( Georgia and Armenia). The Kura River is most exposed to anthropogenic impacts within the city of Tbilisi (40 km). The left tributaries of the Araz River are subject to serious pollution by some regions of Armenia that after the confluence of the Araz and Kura River in the territory of Sabirabad (sugovushan ) it flows into the Caspian Sea in the lower reaches of the Kura.

**Keywords:** Kura River, Cascade, reservoir, pollution, biodiversity.