



INVESTIGATION OF THE EVAPOTRANSPIRATION REGIME IN OSAM RIVER BASIN

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Evapotranspiration is one of the most important processes in the land phase of the hydrological cycle. The success of water management policies in our country is linked to the accuracy with which variations (temporal and special) in available water resources. The aim of the presented paper is to estimate and describe the regime of the evapotranspiration – potential and actual in Osam River basin. Osam river basin is representative for central part of Danube hilly plane on the territory of Bulgaria. The mean monthly potential evapotranspiration is calculated according Thornthwaite and Eagleman methods. The Turc's empirical equations for mean monthly value of actual evapotranspiration is also applied. The long-term variability of evapotranspiration is analyzed.