

ASSESSMENT OF WATER CONTENT IN HYDROLOGIC TIME SERIES BY USING DIFFERENCE INTEGRAL CURVES (IN THE EXAMPLE OF PSKEM RIVER). S.M.Kodirov, S.R. Mansurov Tashkent institute of Irrigation and Agricultural Mechanization Engineers, Tashkent, Uzbekistan

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Abstract

The Pskem River (mean annual flow rate 79.6 m³/s) is one of the biggest tributaries of The Chirchik River. The Chirchik River is the biggest right tributary of The Sirdarya River in the territory of Uzbekistan. On the basis of long-term data from hydrological and station (The Pskem River, at hydrological station Mullala, 85 years of observation), long-term fluctuations was evaluated in terms of watery of the year i.e. how changes mean annual flow rate from year to year. The data set of statistical characteristics and their standard errors are estimated, for average flow rates statistical error does not exceed 2.5 %, for the coefficient of variation; the error does not exceed 6 %. To describe long-term fluctuations in water content for a given period method of normalized values applied.

Key words: The Pskem River, The Chirchik River, hydrology, long-term fluctuations, average flow rate.

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