



Sensitivity of River Runoff to Warm and Humid Changes

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The annual chronological change of the temperature, precipitation and runoff over the southeastern Bulgarian catchments are investigated and analyzed. The features in the variations of above mentioned hydro-meteorological elements are defined. The work aim was collect all possible data of the investigated elements from the beginning of observation, to check homogeneity of the data series and to do a statistical analysis. The study shows that high temperature and low precipitation conduct to drought in the region and appears unsuitable conditions for development of plants and increase the needs for irrigation.