

عنوان مقاله:

Rezan Watershed Management using Different Models

محل انتشار:

سومین کنفرانس ملی هیدرولوژی مناطق نیمه خشک با محوریت آب، انسان، طبیعت (سال: 1398)

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خلاصه مقاله:

Hydrology finds its greatest application in the design and operation of water resources engineering projects. Adequate data and length of records are necessary for the analysis of any hydrological projects. Rezan River based on four near rivers of greater Zab, Khazir, Balakian and Rwanduz using Gumble and person type III distribution models. The methods was used to model the annual maximum discharge of the rivers for a period of years. From the regression analysis equation, R2 gives a value of 469. 0 which shows that models are suitable for predicting the expected flow in the river. Using the same method the peak flood values for different Return Periods (Qmax index) were also obtained, which can prove useful for the storm management in the area. Thus, hydraulic construction on Rezan River should be designed based on the average data of the design-flood discharges of other catchment rivers around

کلمات کلیدی:

.watershed management, catchment area, maximum discharge, flood

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