

عنوان مقاله:

development of a basin scale flood forecasting system for flood control and dam safty

محل انتشار:

سمپوزیوم برآورد عدم قطعیت در مهندسی سد (سال: 1384)

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نویسندگان:

W. C. JEONG - Senior Researcher, Hydro-systems Center, Korea Institute of Water and Environment, Korea Water Resources Corporation

M. H. HWANG - Head Researcher, Hydro-systems Center, Korea Institute of Water and Environment, Korea Water Resources Corporation

I. H. KO - Director, Hydro-systems Center, Korea Institute of Water and Environment, Korea Water Resources Corporation

خلاصه مقاله:

The purpose of this study is to acquire how to construct a real-time rainfall-runoff forecasting system (RRFS) to analyze the streamflow states of the major points at up and downstream of a dam in order to simulate the low flow in the dry season as well as to improve the uncertainty of flood prediction in the flood season. The RRFS includes the following functions; 1) integrated management of water quantity and water quality, 2) identification of characteristics of water use for municipal, industrial and agricultural purposes, 3) derivation of hydrologic rainfall-runoff relationship, and 4) estimation of streamflow by sub-basins and major points. In this paper, it will be introduced the RRFS developed by the web-based interface technology and also its application to the Geum river basin.

کلمات کلیدی:

Rainfall-runoff forecasting system, Flood, Integrated water management, SSARR model

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