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Precipitation-Runoff Processes in the Feather River Basin, Northeastern California, and Streamflow Predictability, Water Years 1971-97: Usgs Scientific Investigations Report 2004-5202

By Anne E. Jeton

BiblioGov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 96 pages. Dimensions: 9.7in. x 7.4in. x 0.2in.Precipitation-runoff processes in the Feather River Basin of northern California determine short- and long-term streamflow variations that are of considerable local, State, and Federal concern. The river is an important source of water and power for the region. The basin forms the headwaters of the California State Water Project. Lake Oroville, at the outlet of the basin, plays an important role in flood management, water quality, and the health of fisheries as far downstream as the Sacramento-San Joaquin Delta. Existing models of the river simulate streamflow in hourly, daily, weekly, and seasonal time steps, but cannot adequately describe responses to climate and land-use variations in the basin. New spatially detailed precipitation-runoff models of the basin have been developed to simulate responses to climate and land-use variations at a higher spatial resolution than was available previously. This report characterizes daily rainfall, snowpack evolution, runoff, water and energy balances, and streamflow variations from, and within, the basin above Lake Oroville. The new models ability to predict streamflow is assessed. This item ships from La Vergne,TN. Paperback.

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