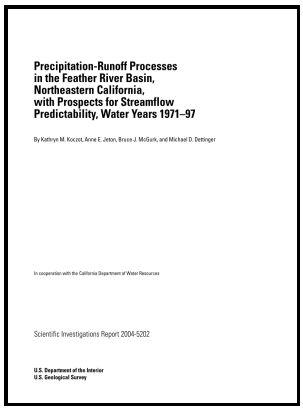
Precipitation-runoff and streamflow-routing models for the Willamette River Basin, Oregon

U.S. Geological Survey - Precipitation Runoff Modeling System (PRMS) Streamflow Modules



Description: -
-
Petroleum.
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Streamflow -- Oregon -- Willamette River Watershed.
Runoff -- Oregon -- Willamette River Watershed.Precipitation-runoff and streamflow-routing models for the Willamette River Basin, Oregon
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Water-resources investigations report -- 95-4284.Precipitation-runoff and streamflow-routing models for the Willamette River Basin, Oregon
Notes: Includes bibliographical references (p. 69-70).
This edition was published in 1997

Tags: #HESS

A mass Budget for Mercury in the Willamette River Basin, Oregon, USA

Geological Survey Water-Resources Investigations Report 01-4041, 53 p. This mechanism is supported by Chegwidden et al. To parse the contributions of climate factors represented by the GCMs and hydrologic factors represented by the hydrologic models , we perform ANOVA on the 40 discharge ratios.

Filesize: 65.84 MB

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Many of the larger tributaries also have streamflow points in our dataset, so we can infer the role of tributaries in changing the flood magnitudes in the future, as discussed below. The Willamette River basin is much smaller, and a large storm can affect the entire basin on the same day Parker and Abatzoglou, 2016 , whereas storms typically take a couple of days to move across the Snake and Columbia rivers and generally move upstream.

A mass Budget for Mercury in the Willamette River Basin, Oregon, USA, Water, Air, Soil Pollution

As with magnitudes, the agreement in timing suggests a robust modeling setup since the comparison tests the ability of the combined climate—hydrologic modeling system to match observed streamflow, constrained only by the broad physics of the climate system and by meteorological bias correction which cannot substantially change the timing of the day of the year most conducive to high streamflows.

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The flood season expands significantly in many currently snow-dominant rivers, moving from only spring to both winter and spring.

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