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Managing Water in the West

Overview of the Yakima Basin Storage Study

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U.S. Department of the Interior Bureau of Reclamation

Objective

Examine the feasibility and acceptability of augmenting storage in the Yakima Basin to:

- Benefit instream flow & ecosystem health.
- Firm up irrigation water supply in drought years.
- Provide for future municipal water needs.

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Support Models

Assessment Model

RiverWare (river flow)

Indicators of Hydrologic Alteration

(hydrograph description)

(Used for Coarse Evaluation)

Hydrologic Evaluation

River 2-D, SSTAR-W &

HEC-RAS

(habitat)

Ecosystem
Diagnosis
&Treatment

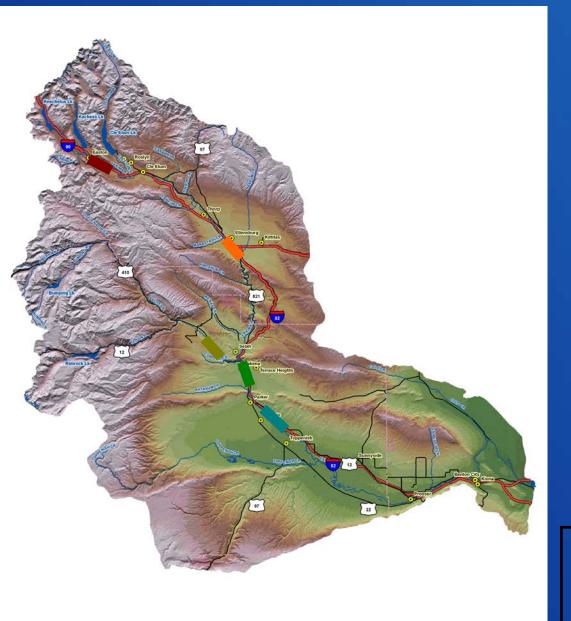
(fisheries assessment)

Temperature & Sediment

(physical)

Biological Evaluation

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2-D Floodplains

Easton

Ellensburg

Lower Naches

Gap-to-Gap

Wapato

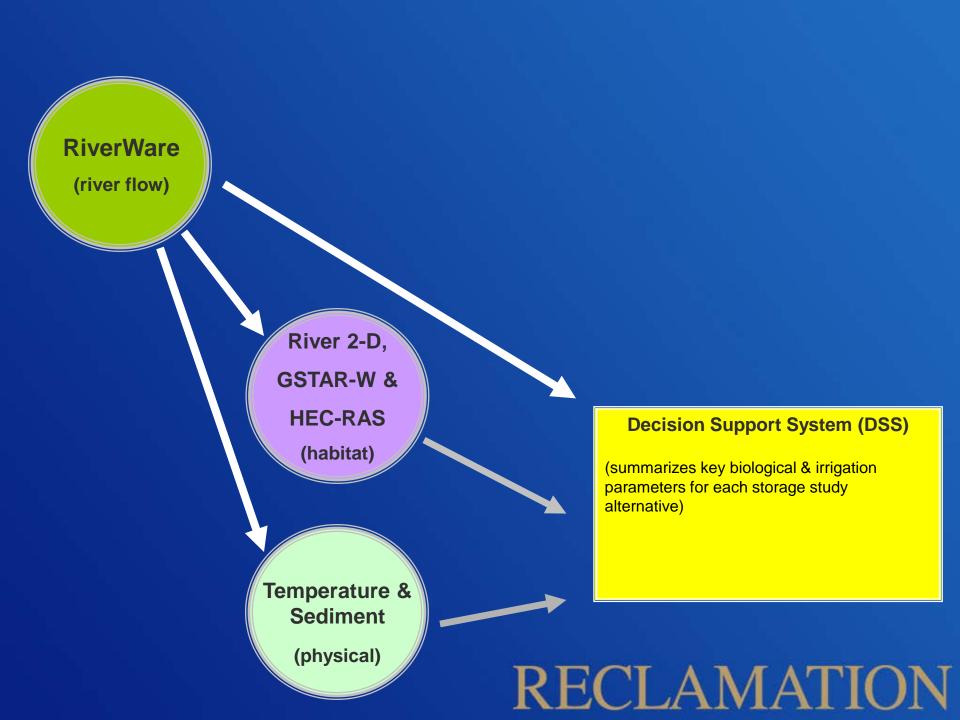
Temperature Model

Roza Dam to Prosser Dam

Sediment Model

- 1. Town Dam to Wilson Cr
- 2. Naches R. to approx Benton City Br.
- 3. Lower Naches

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Jim Hatten (USGS- Cook Lab)

Present the 2-D model results for the Wapato reach.

Jeff Thomas (USFWS)

Present the Decision Support System.

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