

RECLAMATION

Managing Water in the West

Keechelus to Kachess Pipeline

Overview

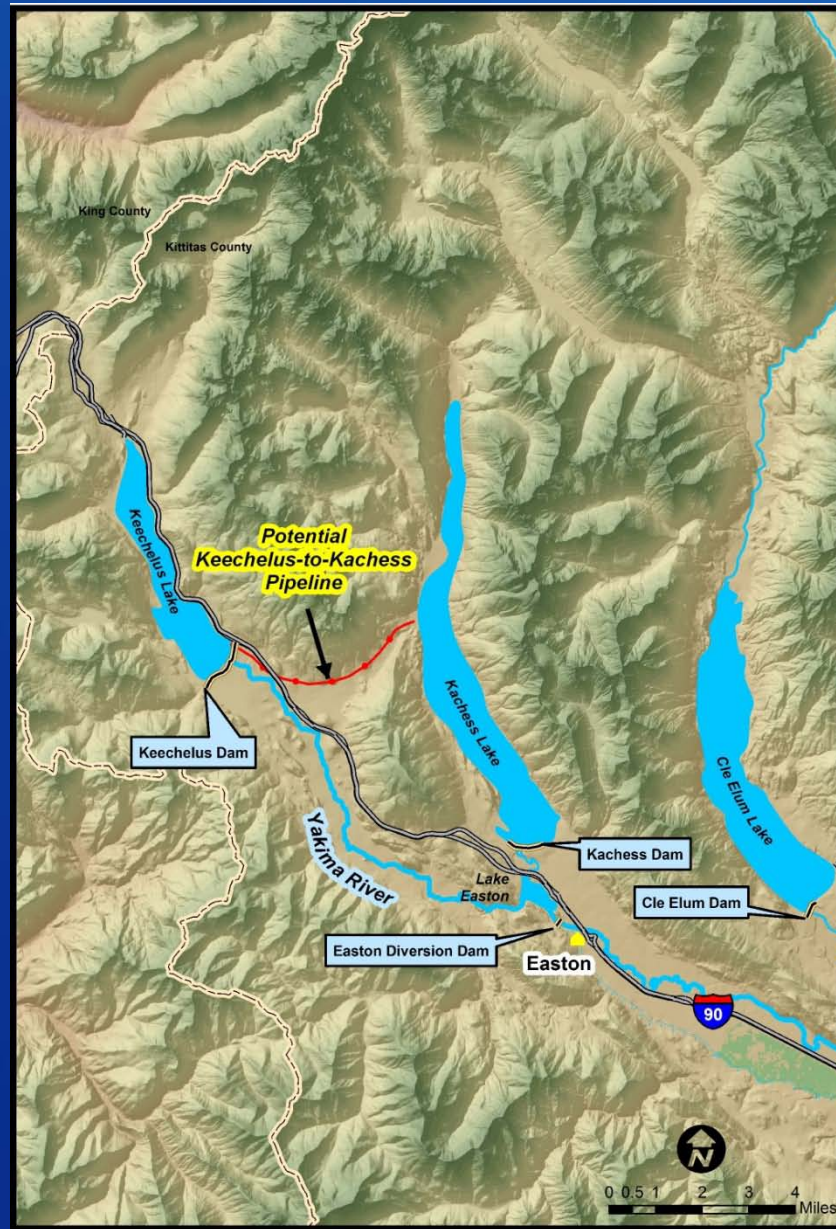
September 23, 2009

Yakima, WA



U.S. Department of the Interior
Bureau of Reclamation

Keechelus to Kachess Pipeline



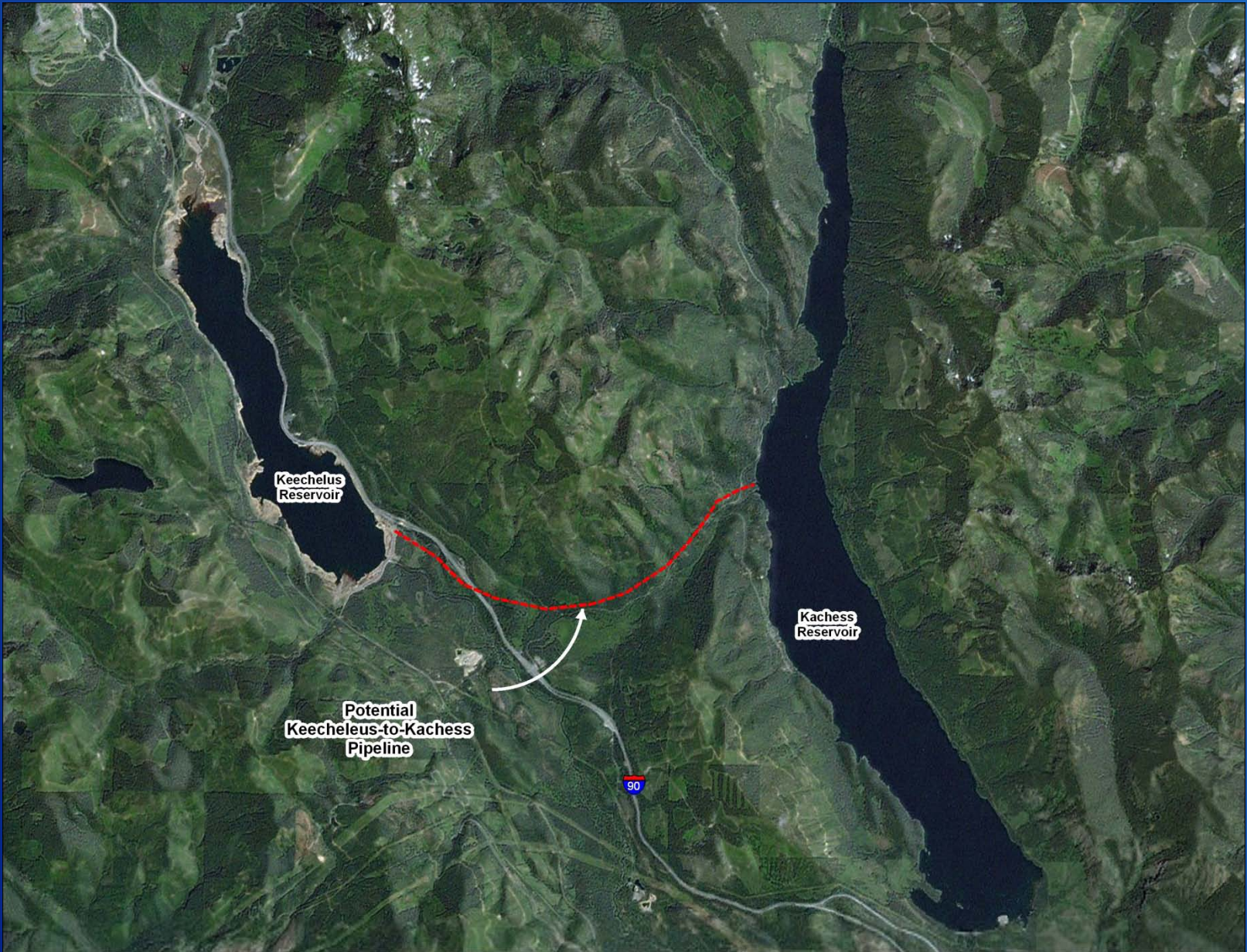
RECLAMATION

Keechelus Lake



Kachess Lake

RECLAMATION



Keechelus
Reservoir

Kachess
Reservoir

Potential
Keechelus-to-Kachess
Pipeline

90

RECLAMATION

Purpose

- **Improve water storage in Kachess Lake**
 - Keechelus watershed generates 88,200 acre-feet more than the active storage capacity. (runoff to capacity ratio 1.5:1)
 - Kachess watershed generates 25,000 acre-feet less than the active storage capacity. (runoff to capacity ratio .9:1)
 - Transfer water to increase the volume of total stored water.
- **Streamflow management in the upper Yakima River**
 - Bypass releases from Keechelus Dam for anadromous fisheries management, primarily during September spawning.

Facilities

- **5 mile gravity-flow pipeline**
 - **5-foot-diameter pipe.**
 - **Maximum capacity of 210cfs.**
 - **50-foot-wide strip right-of-way.**
 - **Modification of Keechelus Dam's outlet works may be required.**

Cost

- **Appraisal-level project cost for the Yakima River Basin Storage Alternatives (July 2004)**
 - **Total project cost (rounded) \$25,000,000**

Questions?



RECLAMATION