

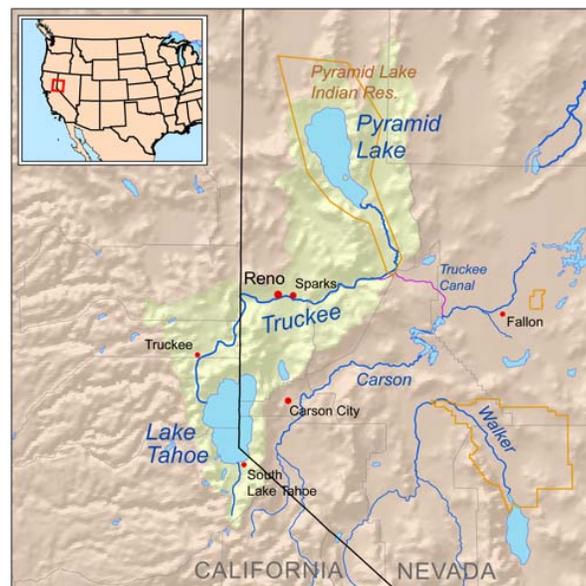
Truckee River Basin Study

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The Truckee River is a vital water source for more than 400,000 people in both California and Nevada. From its origins in the high Sierra Nevada Mountains at elevations over 10,000 feet, the Truckee River Basin encompasses an area of approximately 3,060 square miles in California and Nevada. While the greater portion of the Truckee River Basin's surface area, and certainly the majority of its demands for water resources, lie within the State of Nevada, most of the precipitation and virtually all of the basin's water storage lies within the State of California. This geographic imbalance between the basin's water supplies and its water demands has created conflicts surrounding the rights to, and the uses of, water resources within the Truckee River Basin.

The Truckee Basin Study will evaluate the projected increase in water demands imposed by a growing human population and compare those demands to existing reservoir storage and other supplies. The Study will identify structural and non-structural strategies for resolving the imbalances of supply and demand. Utilizing broad stakeholder involvement and consensus, the Basin Study will provide recommendations which incorporate adaptive strategies to respond to climate change effects and other uncertainties.

The Basin Study will specifically identify potential climate change impacts to the Truckee River hydrology that relate to agricultural and urban water supply and demand; flood control; hydroelectric power generation; recreation; fish, wildlife, and their habitats (including endangered species issues); water quality; flow and water dependent ecological systems .



It is envisioned that the Basin Study will accomplish the following objectives:

- achieve broad consensus to identify a set of climate change scenarios to consider for the Truckee Basin within the context of addressing water supply and demand risks, reliability, and other resource issues;
- provide potential revised inputs to the Truckee River RiverWare hydrologic modeling for the overall Truckee Basin including the Lake Tahoe sub-basin and Truckee Meadows areas; and,
- Prioritization of identified strategies and options and recommendations for potential future actions.

Non-Federal cost-share partners include The Truckee River Flood Management Project, Placer County Water Agency, The Truckee Meadows Water Authority and the Tahoe Regional Planning Agency. The total cost of the study is \$1.7 million with a 50/50 cost share. The Basin Study cost-share partners and Reclamation will encourage a wide spectrum of groups and organizations to participate in the study process.

