



# BUILDING A FUTURE FOR WATER, WILDLIFE AND WORKING LANDS

YAKIMA RIVER BASIN INTEGRATED WATER RESOURCE MANAGEMENT PLAN

## Cle Elum Reservoir

*Fish Passage • Habitat Enhancement • Structural/Operational Changes • Surface Storage*

### Quick Facts

- Managed by Bureau of Reclamation (USBR).
- 165 ft high, stores 436,900 acre feet (142.3 billion gallons).
- One of five USBR reservoirs in the Yakima Basin.
- All reservoirs constructed without fish passage.
- Coho, sockeye, summer chinook extirpated.

### Cle Elum Fish Passage Systems

The Yakama Nation reintroduced sockeye to Lake Cle Elum in 2009 and works closely with USBR and Yakima Basin Integrated Plan stakeholders to restore fish passage throughout the basin. This commitment has made great initial strides at Cle Elum Reservoir, where construction on a unique downstream passage system broke ground in September 2015. This system will offer exiting fish a series of inlets into a helix structure, accommodating:

- The height of the dam.
- Seasonal variations in water level due to irrigation drawdowns.



### Cle Elum Pool Raise

USBR completed work to raise the dam's radial gates three feet, increasing storage capacity by 14,600 acre feet. This water is reserved for in-stream use, to ensure migrating and resident fish have cold, clean water throughout the year. However, the incremental storage cannot be used until measures are in place to reinforce shorelines at private property against erosion. Availability of federal funding determines the pace of the work.

### Funding Needs

In 2017, construction on radial gates to increase water storage at Cle Elum Reservoir was completed. However, to use the increased storage, \$13,500,000 is needed to address shoreline protection and modify recreational facilities. The increased storage cannot be used until the bank stabilization is completed. In FY20, \$3,500,000, matched with state funds, is requested.

Fish passage facilities at Cle Elum Reservoir are in construction. Construction of an access road and bridge and a large underground vault (secant pile) that will hold the innovative helix structure is complete. Next up is a tunnel, followed by construction of the helix structure and intake system. This next phase will



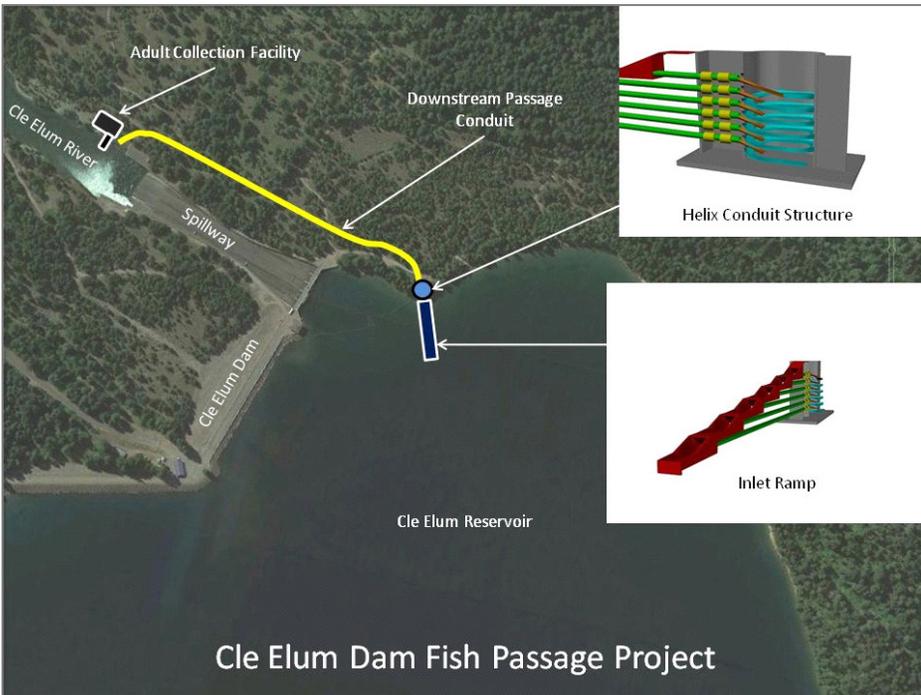
require \$75 million over 3 years, split evenly between the state and Reclamation. In FY20, \$10,000,000, matched by state funds, is requested to keep construction on the project active.

### Watershed Benefits

The coldest, cleanest water in the Yakima Basin are the waters that flow in the tributaries. Construction of fish passage facilities at Cle Elum Reservoir and other Yakima Basin dams will provide salmon and steelhead access to these cold, clean waters to support spawning and rearing.

### Economic Benefits: New Recreational Fishing Opportunities

Every year, recreational fishing injects \$1.1 billion into Washington's economy, funding 14,655 jobs. With fish passage, the Yakima Basin has the potential to become home of the largest sockeye run in the United States outside of Alaska, making Washington a worldclass destination for fishermen . Fish passage will also benefit other species of salmon and steelhead opening up vast new recreational fishing opportunities.



#### Questions?

Please give us a call.

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