



Central Klickitat Conservation District

District Manager: Loren Meagher Board Chair: Steve Cunningham
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Legislative District: 14 Congressional District: 3

Other Accomplishments

- ▶ Participated in the development of a county wide community wildfire protection plan.
- ▶ Partnered with Eastern Klickitat Conservation District, Washington State Conservation Commission, Washington Department of Fish & Wildlife, and Klickitat County to develop several projects that will steward the management of local agricultural and timber lands with significant cultural and natural resource values.
- ▶ Developed a design to increase and improve 1,300 feet of instream habitat in Swale Creek watershed in 2015. The design was successfully funded in 2018 for implementation to improve salmonid habitat.

2018 FEATURE ACCOMPLISHMENT

Projects Aim to Lower Water Temperature in Little Klickitat River



Beaver dam analogue operating under early winter flow conditions.

Resource Challenge

Fourteen segments of the Little Klickitat River exceed state standards for water temperature. Low effective shade, low in-stream flows, and increased sediment loads are cited as potential sources for elevated water temperatures. The Birney Project, located on the Little Klickitat River, lacked vegetation necessary to prevent heavy erosion along 460 feet of streambank. During high flow events, the 10-foot high stream banks rapidly slough off and deposit sediment into the Little Klickitat River.

Project Summary and Results

This project improves instream temperature, riparian shade, and rapid erosion of stream. The project implemented Post Assisted Wood Structures (PAWS) and a Beaver Dam Analogue (BDA). The PAWS and BDAs are process-based restoration strategies intended to mimic beaver activity, introduce structural diversity, and drive change over time. These structures are constructed using small logs, willow cuttings, broken tree branches, and other natural materials that are woven in with driven wooden posts. Native trees and shrubs were also planted to increase shade, stabilize the banks, and improve habitat.



Post assisted wood structure with willow plantings along the streambank and enclosed native trees and shrubs planted above.

Key Partners

Washington Department of Ecology

Priorities for 2019...

- ▶ Provide assistance to 30 landowners currently on a waitlist for Firewise assessments, fuel reduction projects and water quality improvement projects.
- ▶ Sustain a source of base funding to support district operations and pursue grant funding in order to improve community outreach and involvement with natural resources in Central Klickitat County.