

**ABSTRACT:** The Klickitat Watershed Enhancement Project (KWEP) enhances and restores watershed health in the Klickitat River subbasin. Project actions target stream reaches and watersheds that support steelhead (*Oncorhynchus mykiss*; ESA- listed as "Threatened") and/or spring Chinook (*O. tshawytscha*). Implemented by the Yakama Nation Fisheries Program (YNFP) and funded by Bonneville Power Administration, KWEP addresses Yakima-Klickitat Fisheries Project (YKFP) as well as Columbia Basin Fish & Wildlife Program habitat goals of the Northwest Power and Conservation Council.

Since 2000, KWEP has implemented over 18 projects resulting in:

- " correction of fish barriers at 3 sites restoring access to over 11.5 miles of habitat
- " enhancement of over 7400' of stream including construction of 57 LWD jams
- " installation of at least 15,000 plantings along 8,000' of stream
- " fencing of over 10000' of stream
- " creation of more than 3500 square-feet of wetland
- " restoration of high-flow access to over 800 lineal feet of side channels
- " monitoring streamflow at 13 sites
- " assessment of over 74 miles of stream
- " assessment of over 110 miles of road and railroad
- " treatment of 10.5 miles of road for drainage improvements

KWEP works interactively with other BPA-funded projects including YKFP Data Management and YKFP Monitoring and Evaluation. KWEP has cooperated with numerous private and public entities, including:

- " Washington Department of Fish & Wildlife
- " Mid-Columbia Regional Fisheries Enhancement Group
- " Columbia Land Trust
- " Washington Department of Natural Resources
- " Yakama Nation Water Program
- " Washington State Parks & Recreation
- " Underwood Conservation District
- " Central & Eastern Klickitat County Conservation District
- " Yakama Forest Products
- " BIA Forestry and BIA Range
- " Klickitat County
- " private individuals

These partnerships have involved over 10 projects resulting in:

- " conservation of over 1050 acres and 4 miles of fish-bearing streams and side channels
- " correction of 4 fish passage barriers restoring access to 3.3 miles of habitat
- " enhancement of over 3400' of stream
- " installation of at least 9,000 plantings along 3,000' of stream
- " design and development of relational databases to manage habitat, temperature, and sediment data
- " implementation of no-till agricultural practices on several hundred acres of farmland

Current projects involve:

- " replacement of 3 passage barriers that will restore access to over 5 miles of habitat
- " treatment of over 2000 feet of road to restore access to 0.5 miles of side channels
- " install over 7000 plantings along 5 riparian acres
- " enhance over 3500 feet of active channel and restore access to over 4500 feet of side channels

Additionally, KWEP staff have provided technical support to private landowner and assisted various planning processes including:

- " Subbasin Planning (Northwest Power Council)
- " Recovery Planning (NOAA Fisheries)
- " Strategic Planning (Washington Salmon Recovery Funding Board)
- " Watershed Planning (Washington Department of Ecology)