



A Tour of the Teanaway

- Teanaway Community Forest and Partnerships
- Why We Care (in the context of science and management)
- Restoration Approach
- Monitoring
- Public Outreach
- Ways to Help

Teanaway Community Forest

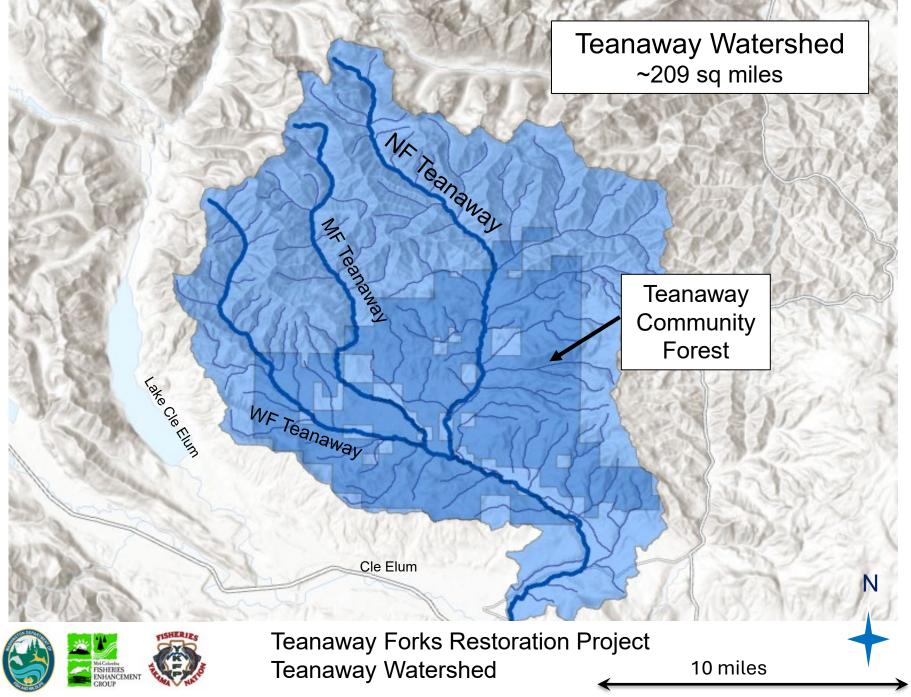
- Established in 2013
- Managed by WDNR & WDFW
- Guided by Advisory Committee
- Managed as Community Forest at least until 2035



Teanaway Community Forest Management Plan

















Partners (*doesn't capture everyone!)

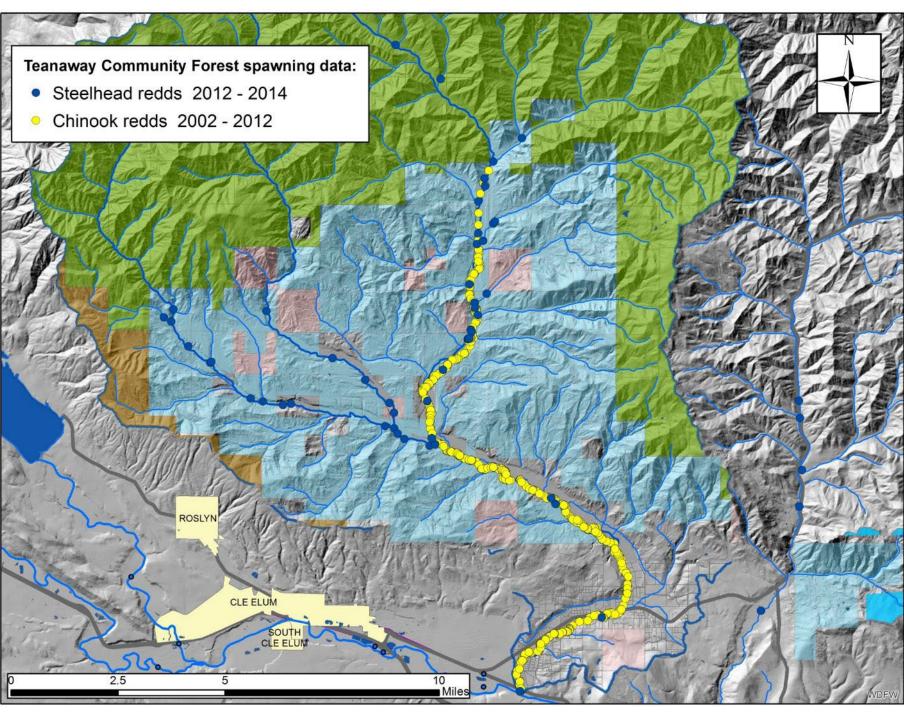
- Yakama Nation
- Mid-Columbia Fisheries
- WA Department of Fish and Wildlife
- WA Department of Natural Resources
- Central Washington University
- Mountains to Sound Greenway
- Steering Committee Members
- Grant Managers!





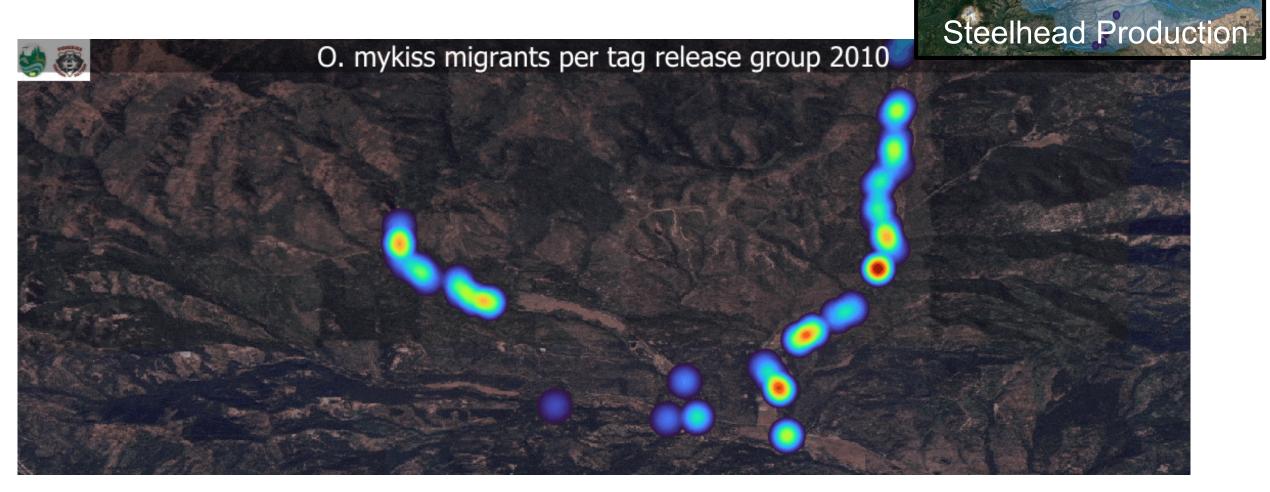


*extirpated, but may be reintroduced



Steelhead hotspot:

on average, 3-4% of tagged O. mykiss are steelhead (G. Temple, pers. Comm.)







Mitigating effects from upland land use

- Road decommissioning and upgrades
- Culvert replacements
- Fencing (physical and virtual) to reduce impacts on riparian
- Forest health treatments



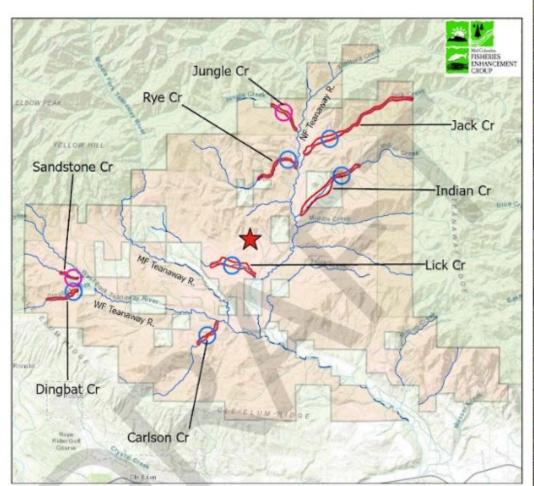
Tributary restoration: fighting hysteresis

Prior large wood projects are serving their purpose, but not reversing incision. Restoring a stream <u>requires more</u> <u>effort</u> than what caused the damage in the first place.



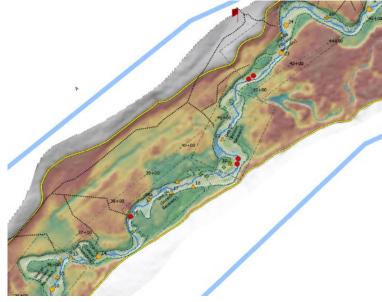
Beaver restoration principles

Restoration, Coexistence, Education, Translocation



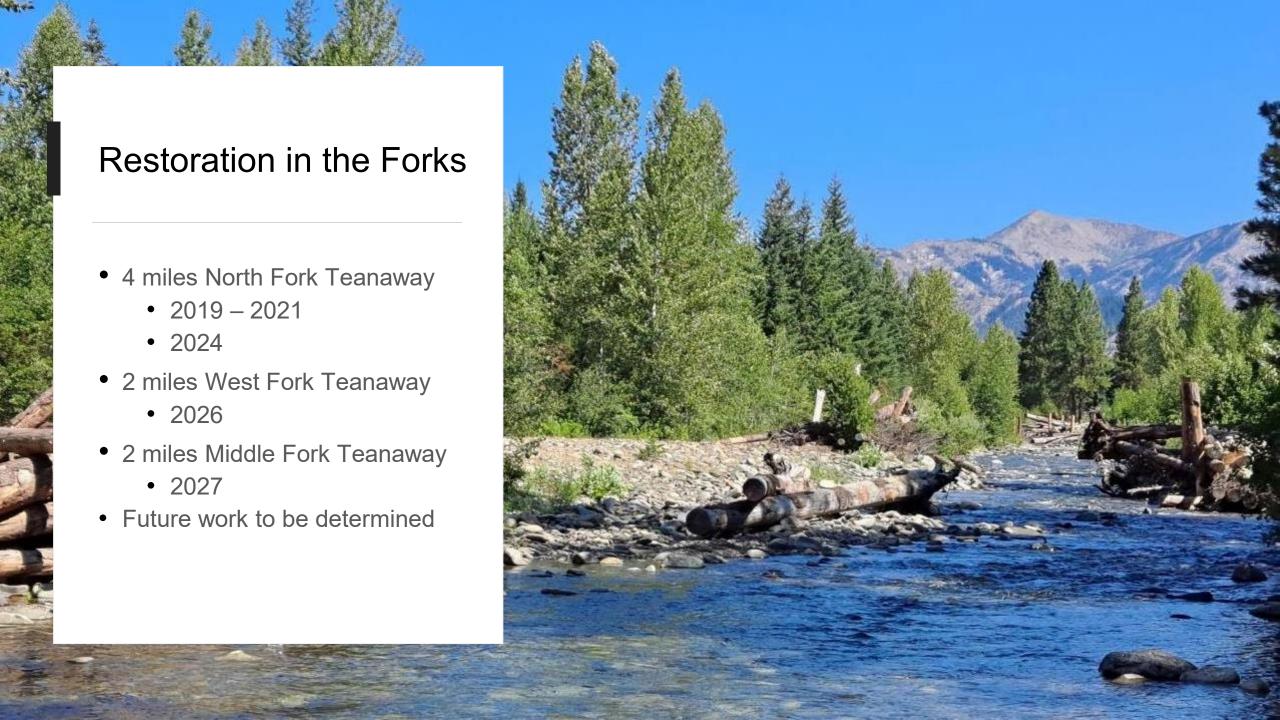






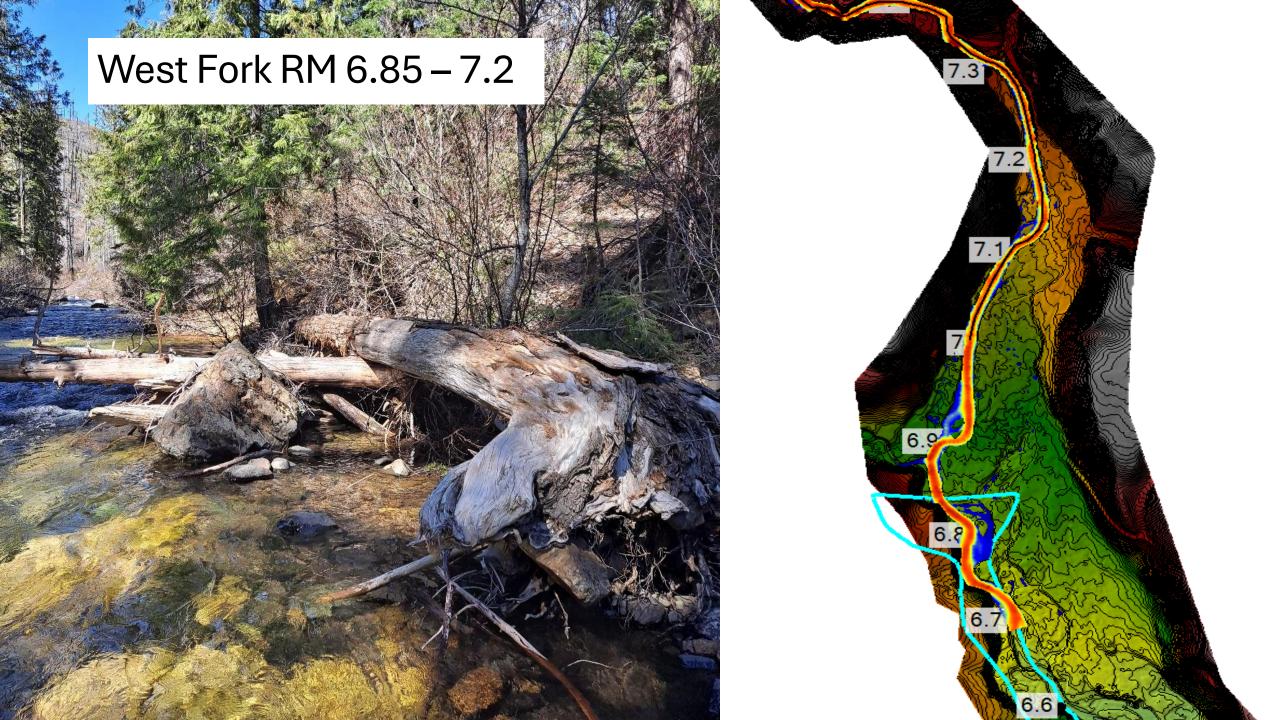


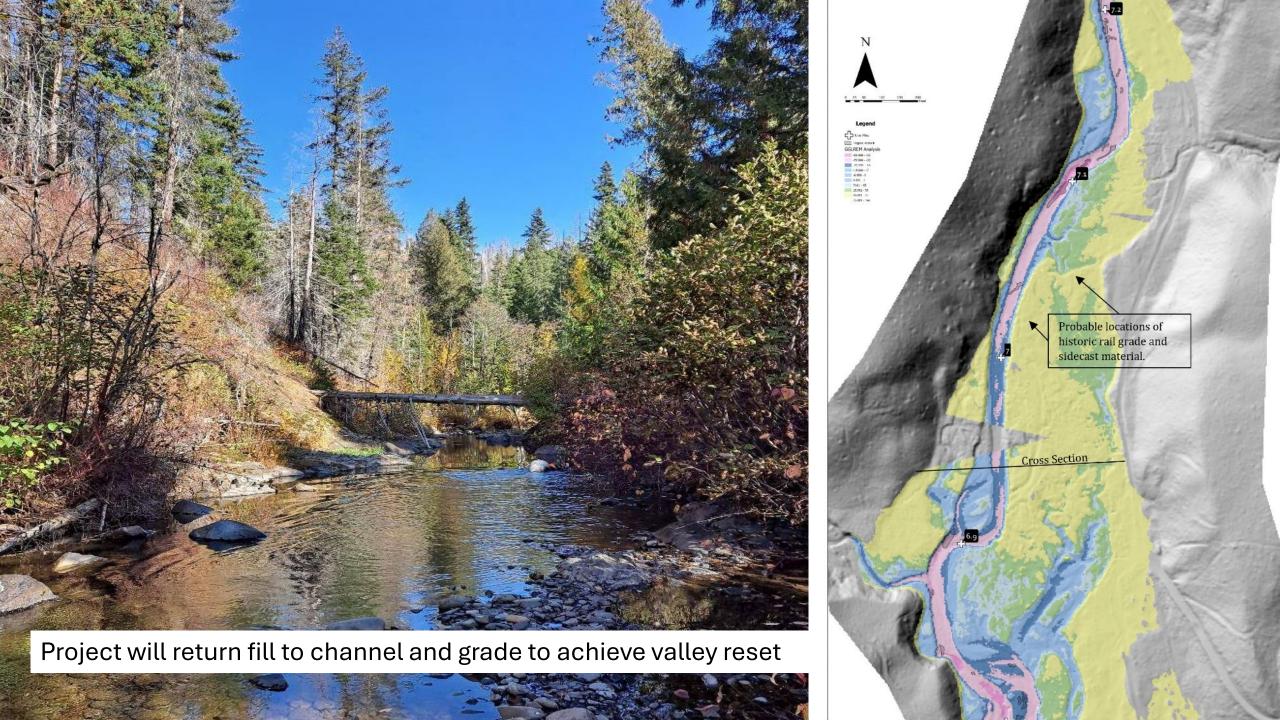








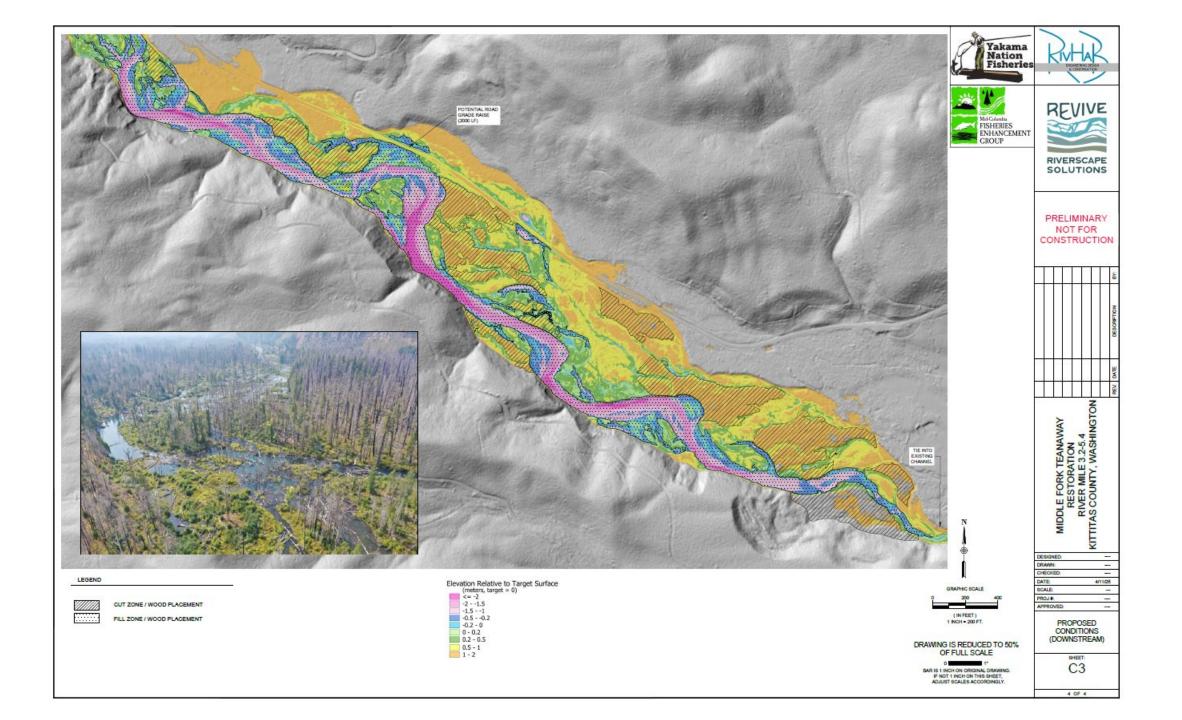












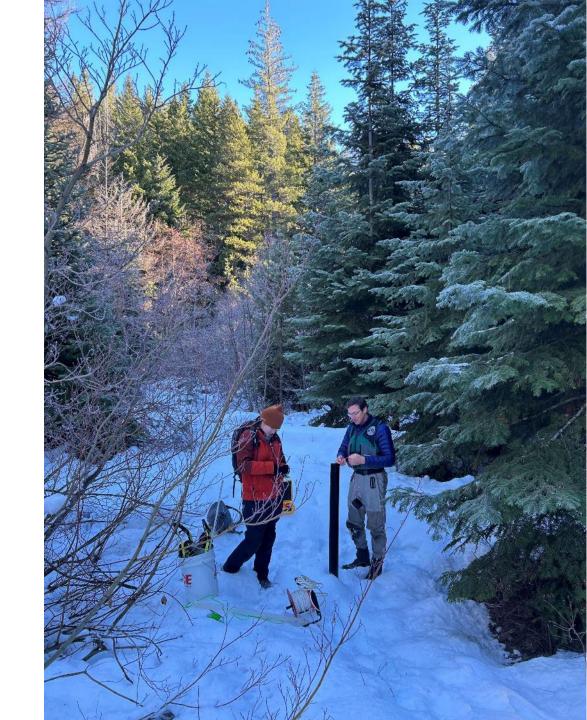
Looking upstream and downstream...

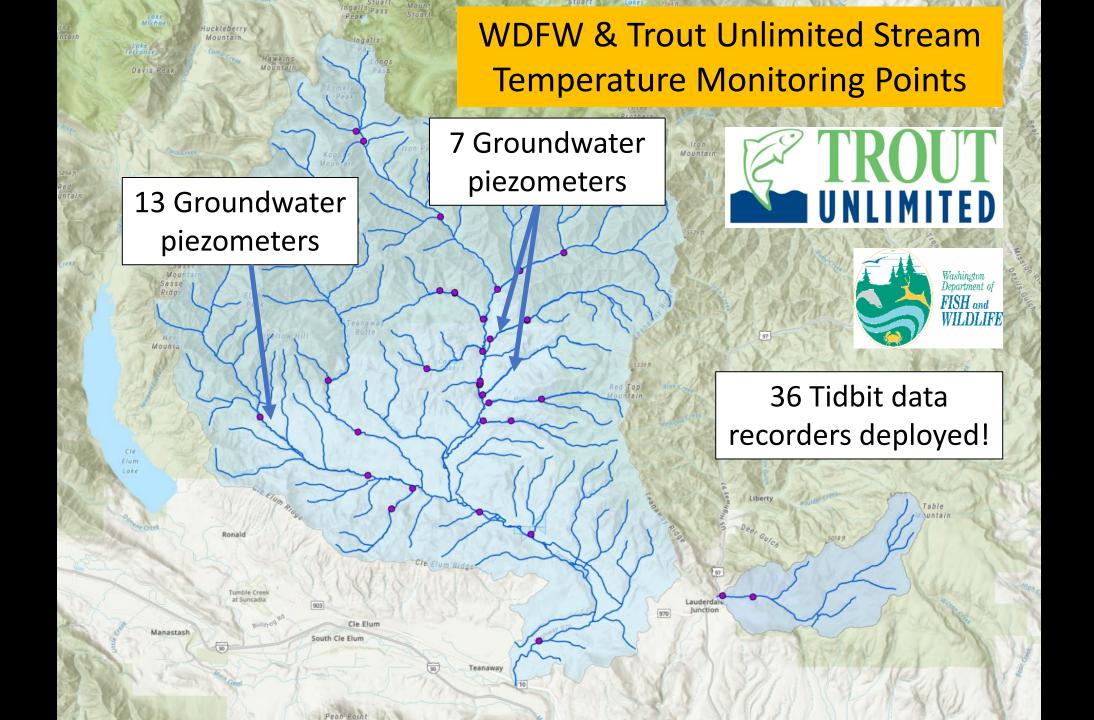
- NOAA funding requested for design of additional West and Middle Fork reaches, and for the confluence area
- North Fork Teanaway adaptive management may be needed



So how will we know if it works?

- Groundwater & flow
- Temperature
- Topography
- Riparian condition
- In-stream habitat





And how are we getting the word out?





TEANAWAY RIVER FORKS

HOW PARTNERS ARE WORKING TOGETHER TO RESTORE FISH HABITAT IN THE NORTH, MIDDLE AND WEST FORK TEANAWAY RIVERS

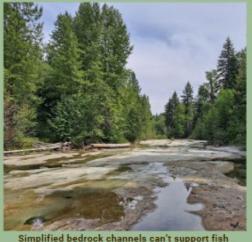
WHO'S INVOLVED?

Yakama Nation Fisheries, Mid-Columbia Fisheries Enhancement Group, WA Department of Fish and Wildlife and WA Department of Natural Resources, with guidance from the Teanaway Community Forest Advisory Council, are working to improve habitat in the rivers.



Wood added to the North Fork Teanaway has increased habitat complexity

CHINOOK, COHO, STEELHEAD, AND RESIDENT TROUT ALL CALL THE TEANAWAY FORKS HOME



COMPLEX HABITAT BENEFITS

FISH, WILDLIFE, AND PEOPLE!

WHY DOES WOOD MATTER?

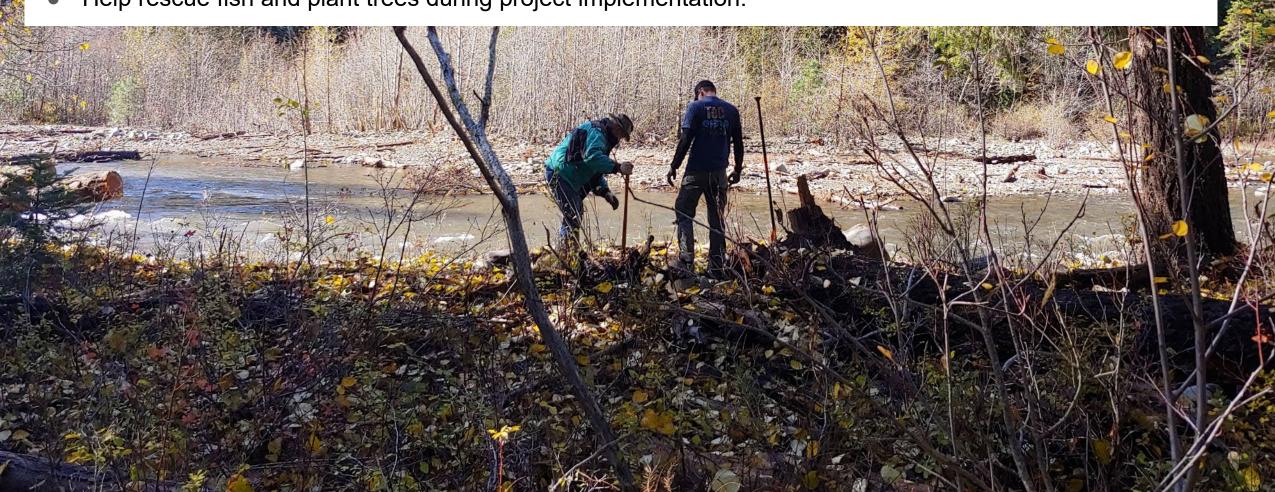
Past land management has reduced the amount of wood in rivers. Rivers need wood to maintain and restore natural processes. In-stream wood builds spawning habitat, scours deep pools, increases food availability for fish, and reconnects floodplains.

INCREASED COMPLEXITY IN THE RIVERS:

- 1. Improves salmon and steelhead growth and survival
- 2. Allows floodwaters to spread across the floodplain, decreasing downstream damage
- 3. Holds water on the landscape and makes it available for the forest



- Monitor more things there are so many questions to be asked!
- Donate large wood to the project. Please.
- Help WDFW and Trout Unlimited with temperature monitoring.
- Help the TCF Goal 5 committee with TCF stewardship and public outreach.
- Help rescue fish and plant trees during project implementation.





Thank you to:

Agency partners: WDFW, WDNR

Archaeological Services, LLC

Bonneville Power Administration

GG Environmental, LLC

Gibson and Son

Interfluve

Mountains to Sound Greenway

National Fish and Wildlife Foundation

Natural Systems Design

NOAA Fisheries

ReClaim

RivHab/Revive

Salmon Recovery Funding Board

Teanaway Community Forest Advisory Committee

Teanaway Forks Restoration Steering Committee

Thayer Excavating

Trout Unlimited

USDA Forest Service Enterprise Team

Washington Department of Ecology

Water Pushing Dirt

Waterfall Engineering

Yakima Basin Integrated Plan









