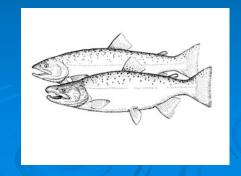
Yakima Side Channels Project

Habitat for Fish

Kelly Larimer
YKFP Habitat Biologist



Project: 1997-051-00

Yakima Side Channels



Priority Reaches –Easton/Cle Elum, Kittitas, Naches, Union Gap, & Lower Naches

- The Yakima Side Channels (YSC) Project was initiated in '97 and is co-managed by WDFW and the Yakama Nation as part of the Yakima-Klickitat Fisheries Project (YKFP).
- The projects aims to protect high value floodplain containing healthy and functional side channel, wetland, and riparian forest habitats.

The Bigger Picture

Past Landscape

Current Situation







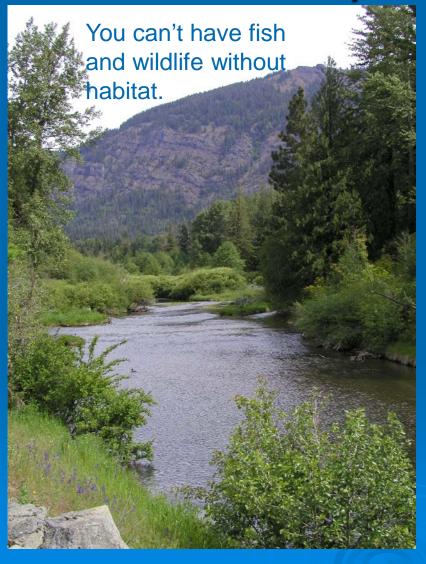
The Bigger Picture

Past Landscape

Current Situation



YSC Acquisition Criteria



- We follow a directed approach:
 - willing seller
 - high value habitat quality and quantity
 - prime spawning and/or rearing habitat
 - critical habitat for listed
 Mid-Columbia steelhead
- Preference to properties that have a water right, and/or are adjacent to protected lands.

YSC Project Success



Scatter Creek Side Channel near Cle Elum.

- Protected ~976 acres of high value habitats in five priority reaches.
- YSC has generated over \$1.5 million in matching, non-BPA funds for habitat acquisitions.
- Partnered on several restoration projects (e.g., Hanson Ponds, Holmes).

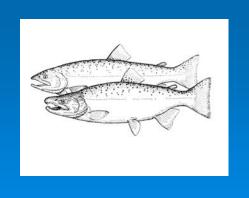
YSC Project Status



Dixon Property near Cle Elum

- Phase 1 Goal:
 Protect a total of
 2,000 acres of the
 most productive
 mainstem and side
 channels
- Complete studies and restoration activities on key floodplain reaches.

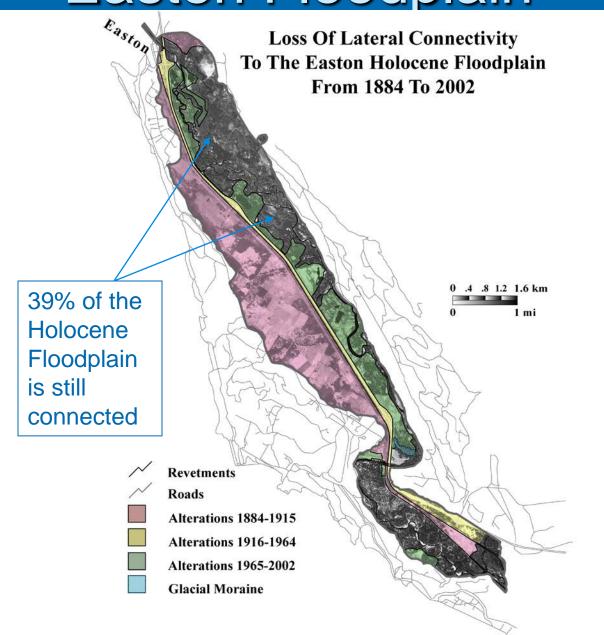
Acquisitions: What YSC has protected & What we aim to protect by 2009



Priority Floodplains:

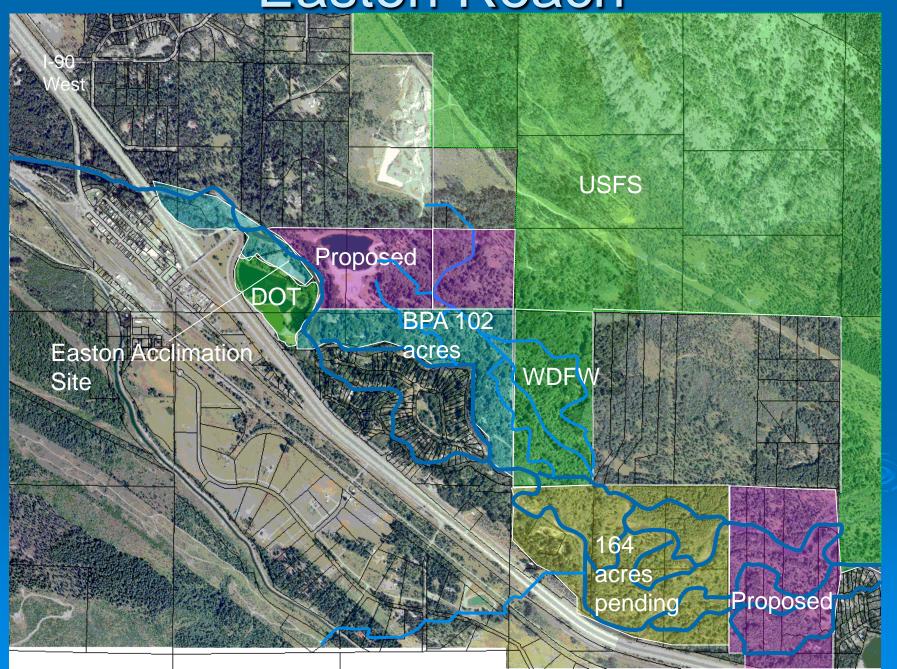
- > Easton
- >Cle Elum
- >Lower Naches

Easton Floodplain





Easton Reach



Chinook Salmon redd and carcass distribution

2002 - Easton Reach

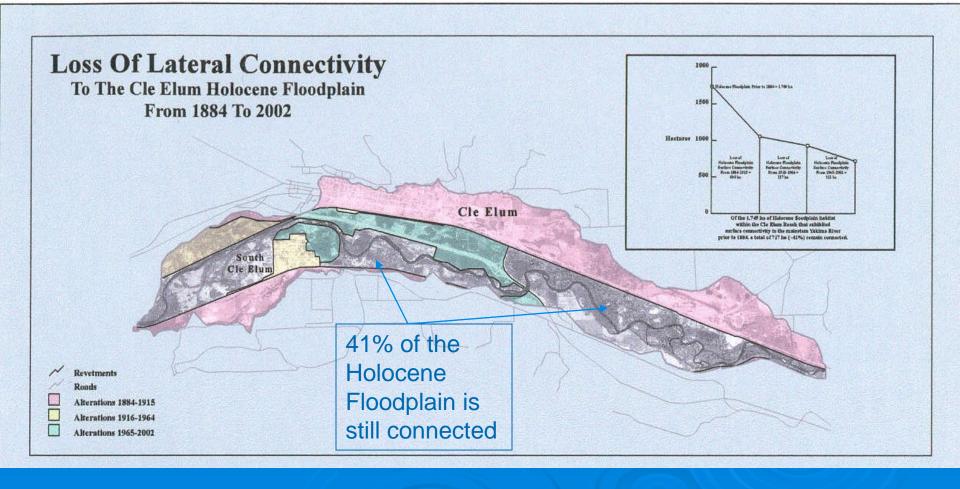




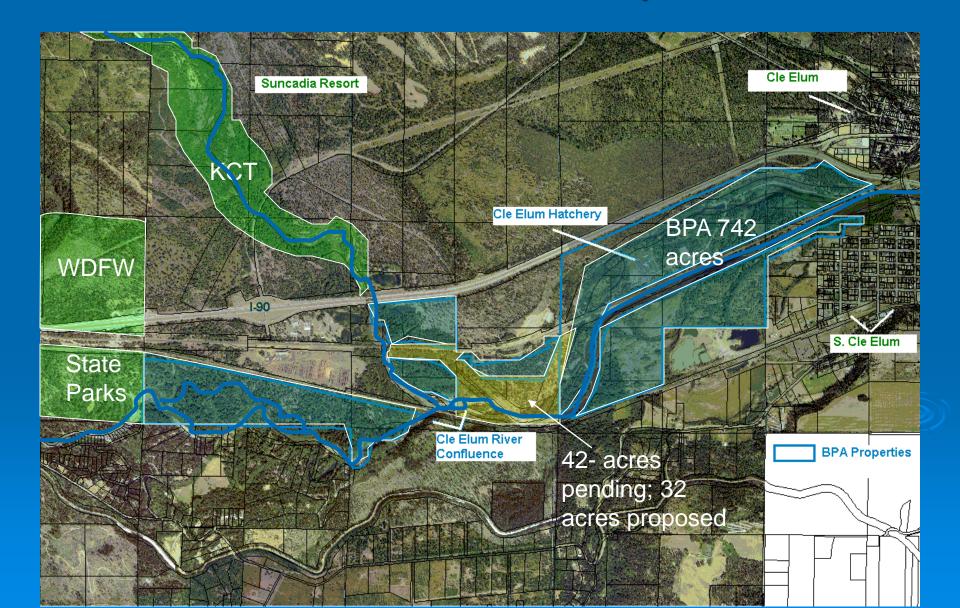
0.15

0.3 Kilometers

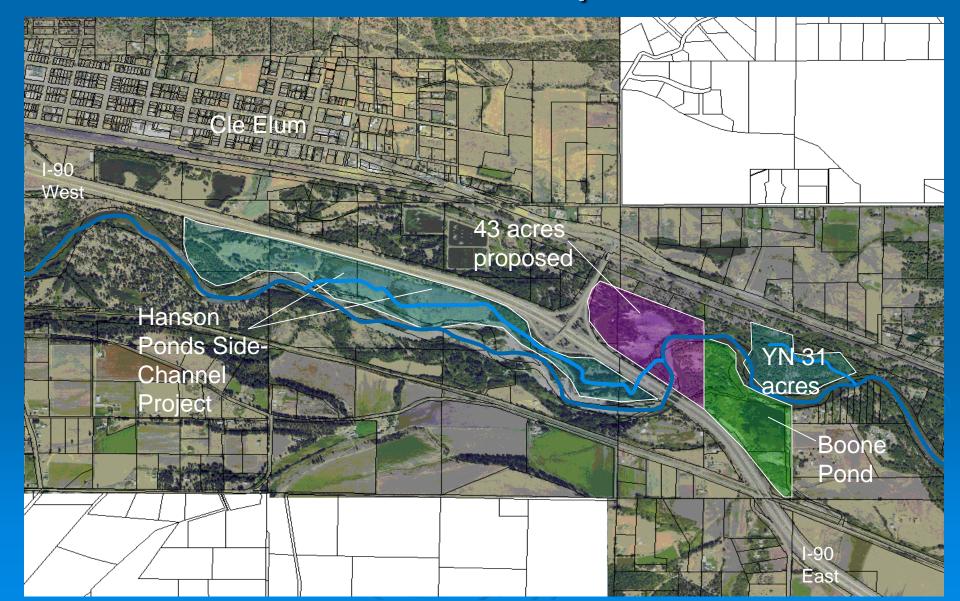
Cle Elum Floodplain Reach



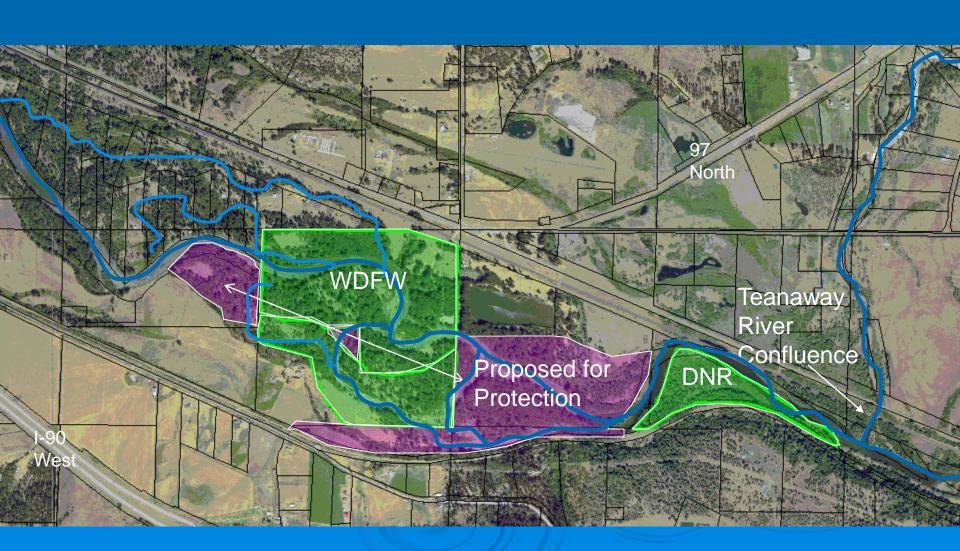
Cle Elum Reach Properties



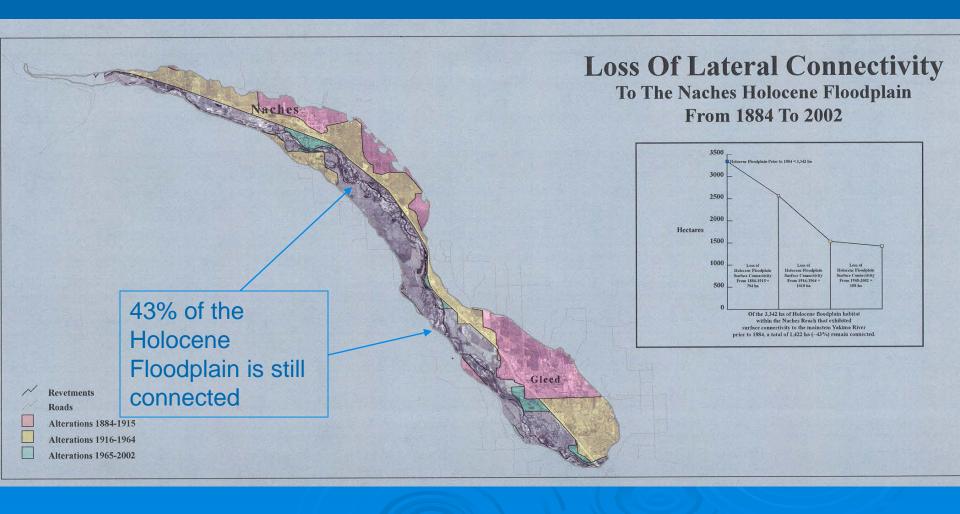
Cle Elum Reach Properties cont.



Lower Cle Elum Reach

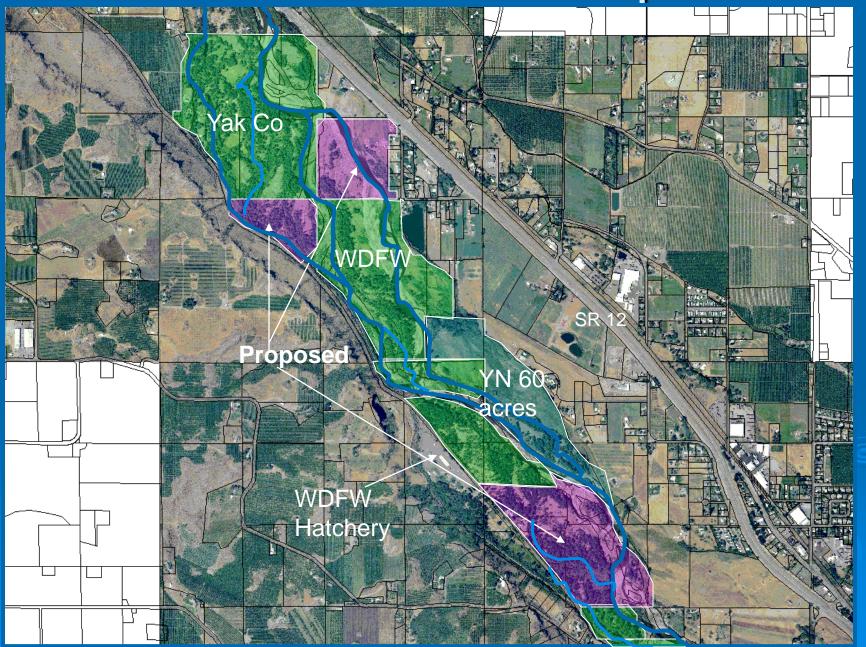


Lower Naches Floodplain

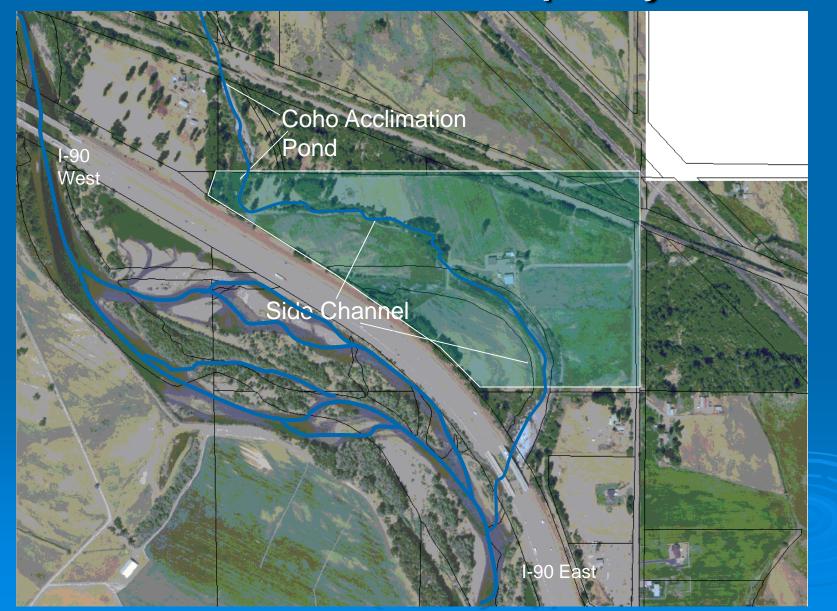


Naches River Properties acrès Yak S. Naches YN 150 acres

Lower Naches Floodplain



Kittitas Reach Property-Holmes



Kittitas Reach Property-Holmes



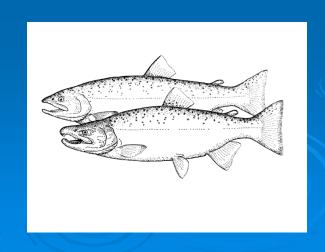
Holmes Restoration -2006

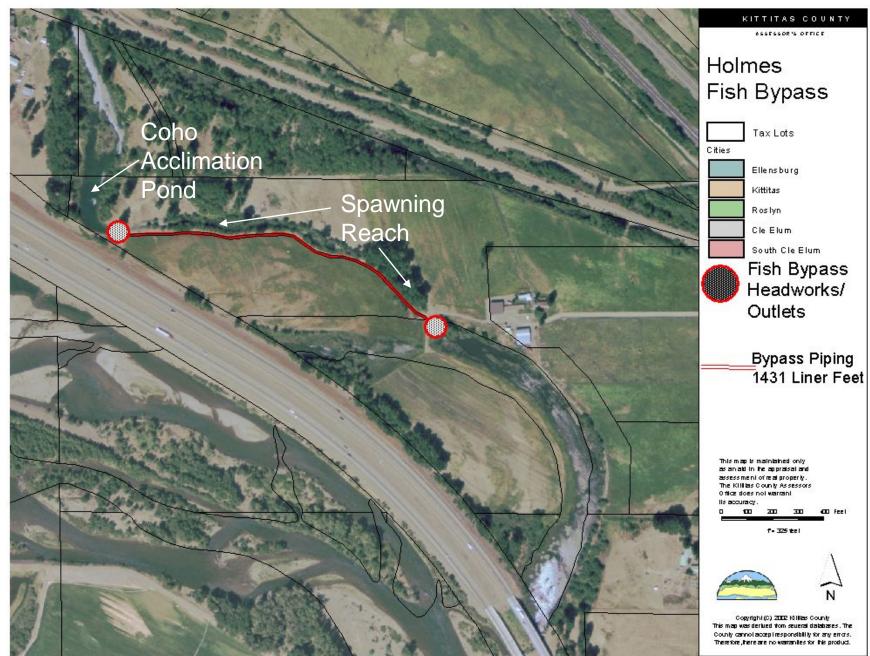
> Funding:

- National Fish and Wildlife Foundation –Community Salmon Fund Grant
- Mid-Columbia Regional Fisheries Enhancement Group

Elements:

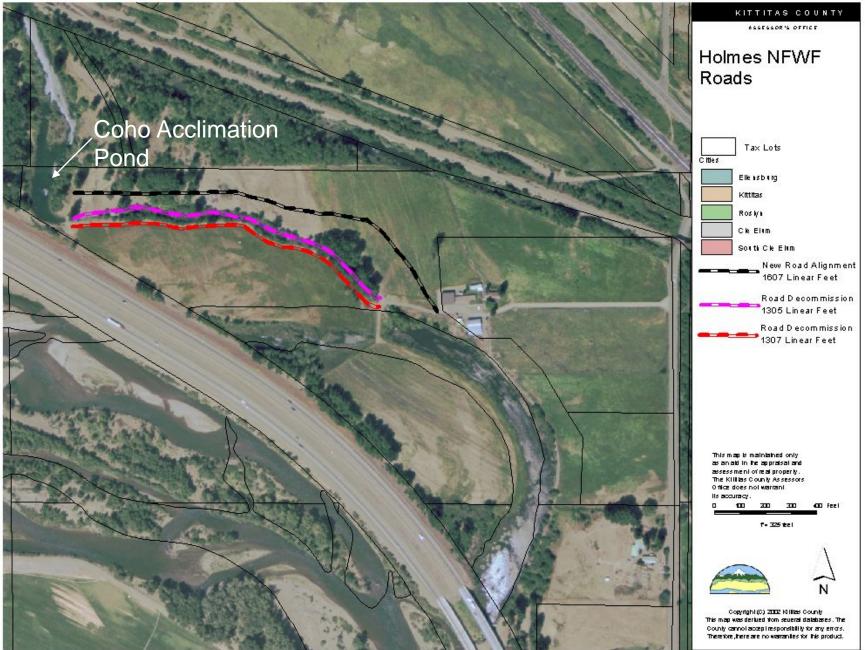
- Road Decommission/relocation
- Fish By-Pass
- Riparian planting/restoration
- Instream restoration

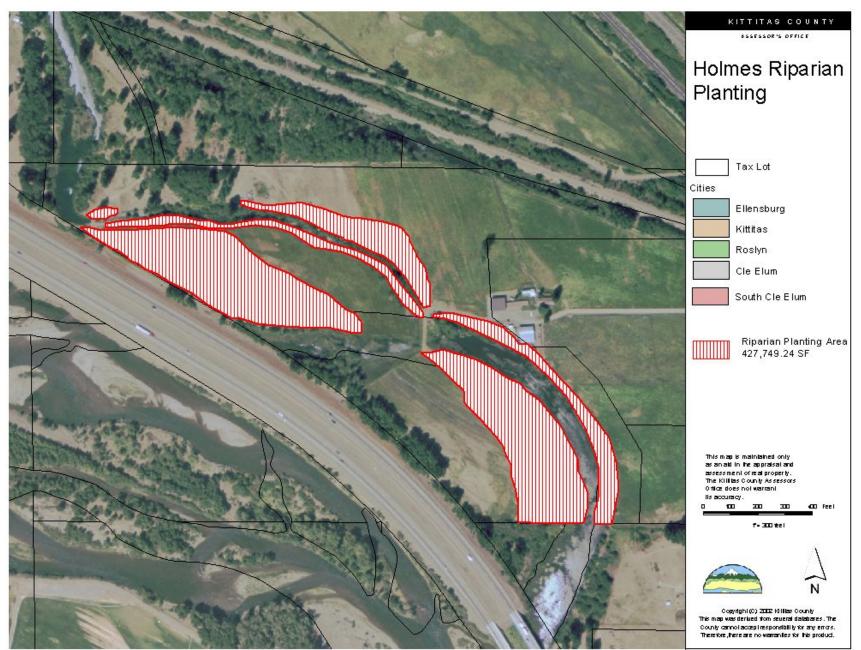




By-pass Outlet







Salmon in the Classroom- 2006







Community Work Party – April 2006



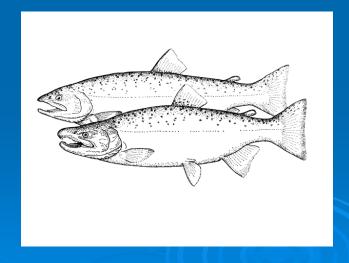




Feasibility Studies

Thorp to Irene
Rhinehart Reach
Restoration

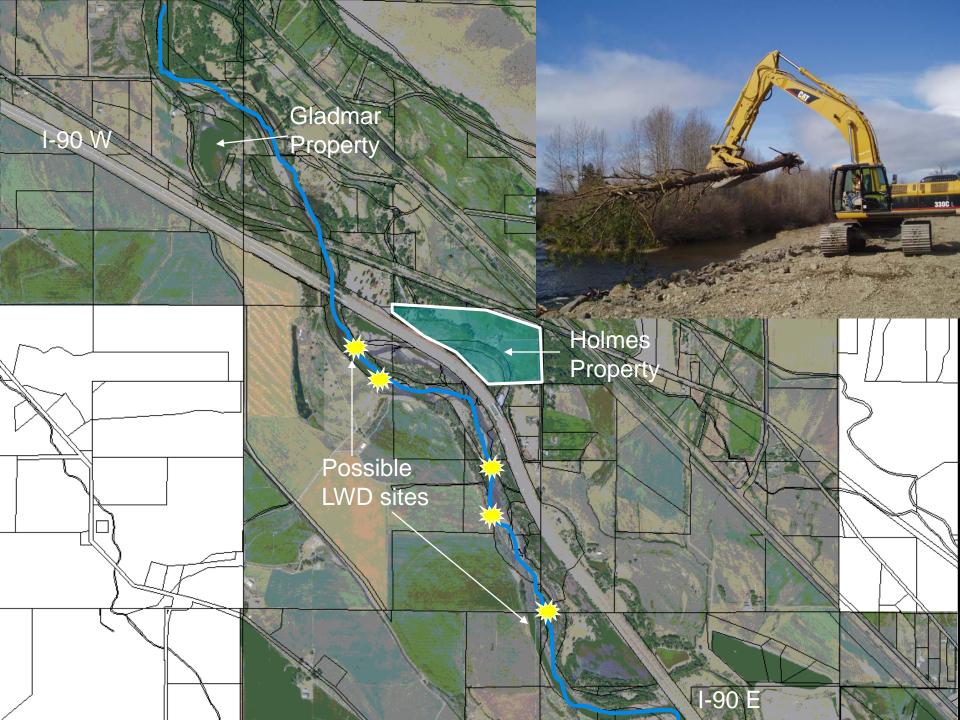
Lower Cle Elum River Restoration

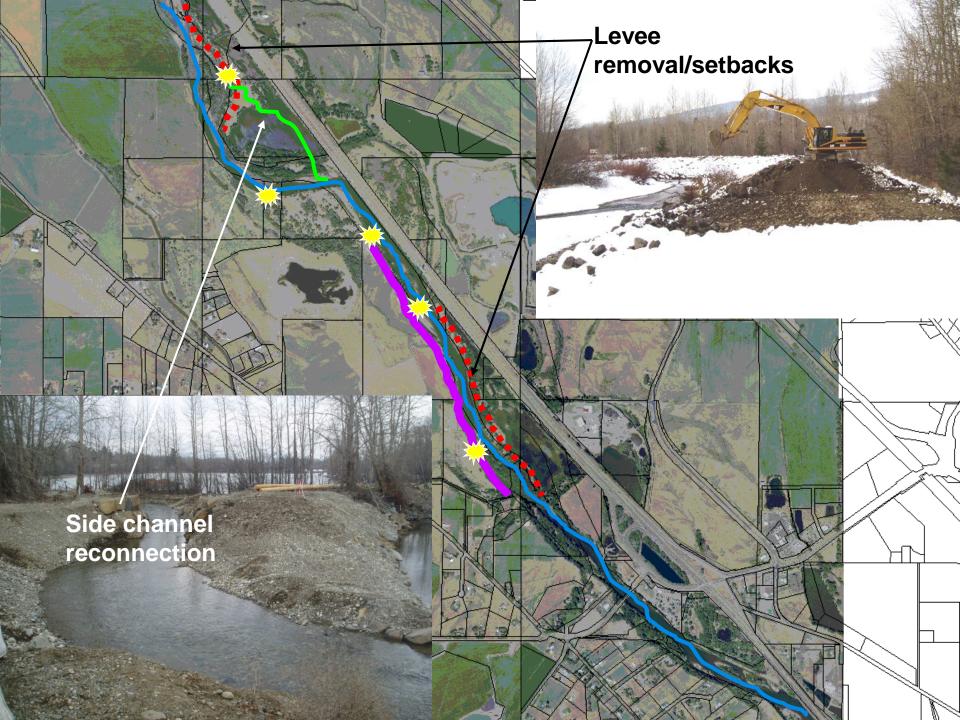


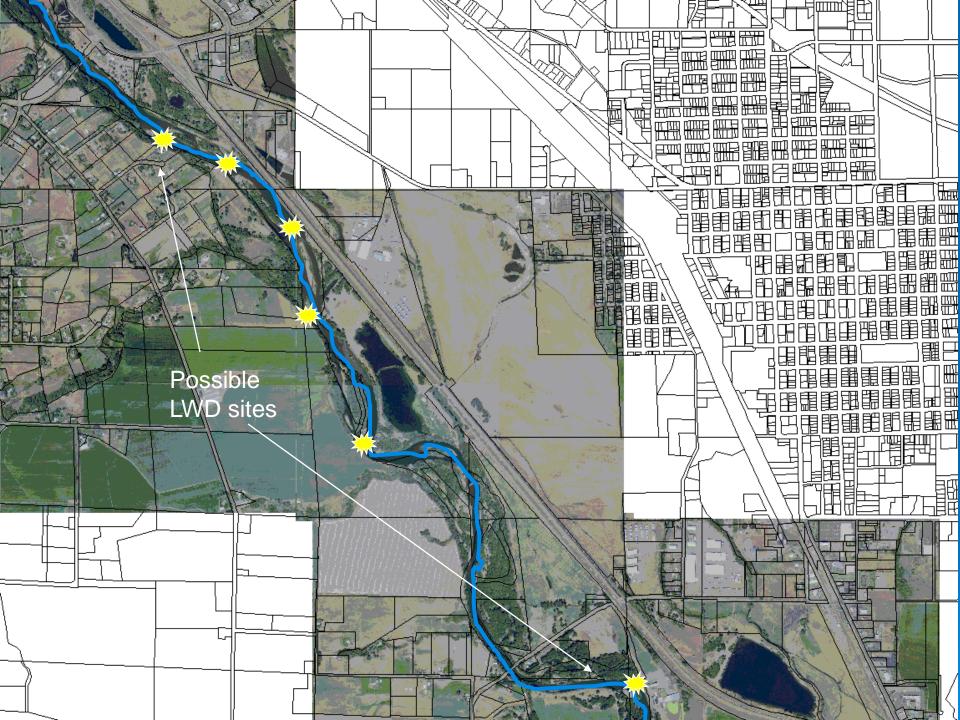
Thorp to Irene Rhinehart Park Restoration Project



- Large Woody Debris (LWD)
- Levee Removal/Reconfigure
- Side Channel Restoration
- Riparian Restoration
- Landowner Agreements/ Conservation Easements
- > Partners:
 - Yakama Nation-YKFP
 - WDDOT
 - Landowners
 - Others?







Lower Cle Elum River Restoration Project

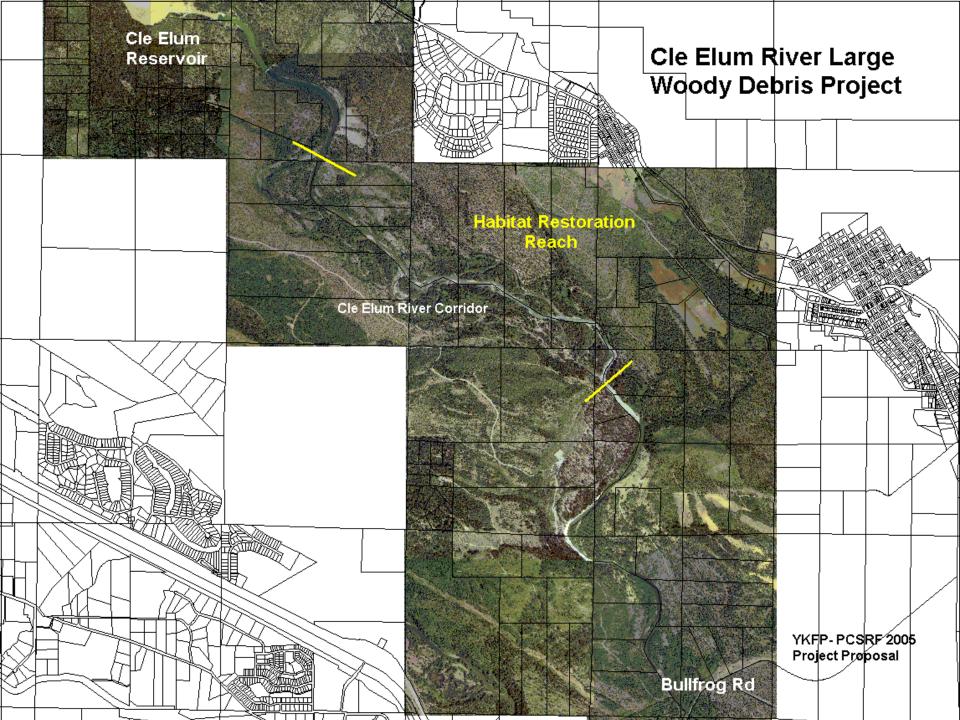


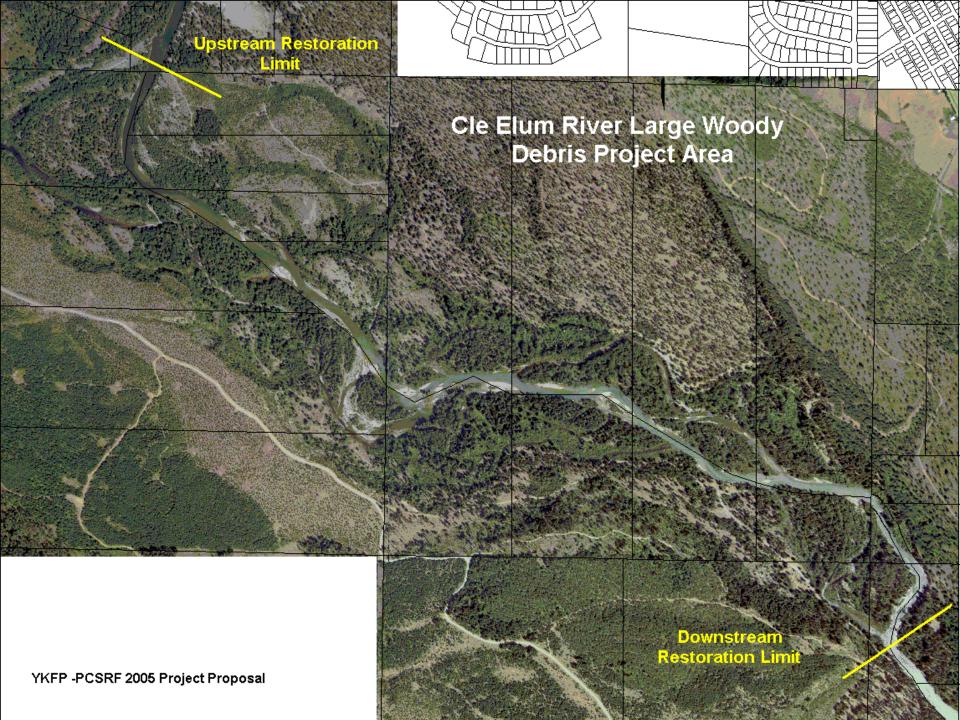
Components:

- Geomorphic study
- Flow modeling
- BMI study

Desired Outcomes

- Flood Cle Elum River /Normative Flow
- Increased side channel connectivity and off channel rearing use
- LWD structures and recruitment





Species Benefit









Public Benefits







Risk and Lost Opportunities



- Growth pressure is causing land values to escalate, which increases project expenses.
- Past habitat crediting issues and prior fiscal challenges have stalled this project for three years. Meanwhile, prudent habitat protection opportunities are being lost.

Do we want this?





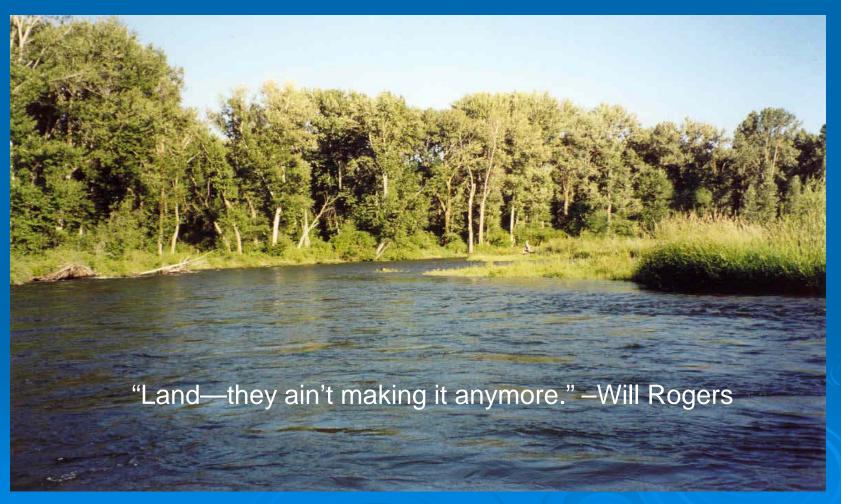
Or this?



Strategies to further YSC work

- FUND Habitat Conservation Now, Avoid Lost Opportunities and Increased Costs.
- Expand landowner outreach and support.
- Continue coordination and partnerships with agencies and organizations.
- Work with local governments to implement incentive-based habitat protection programs.

Habitat Protection = Long Term Viability



Yakima Side Channels