The Yakima Beaver Project





Background



 Used to be lots of beaver that did storage and habitat....

Beavers eliminated by fur trade

Habitat ills followed....



The Museum presents a visual and interpretative experience into the romantic era of the Mountain man and provides a comprehensive overview of the Western Fur Trade's historical significance. Situated in the heart of the country that was once the hub of the Rocky Mountain Rendezvous system (six of the

rendezvous of the early 1800s were held in the Green River Valley near present day Pinedale, Wyoming), the Museum stands as a monument to the men and the commerce that opened the West.



Beaver Hat

Yakima Beaver Project Goal



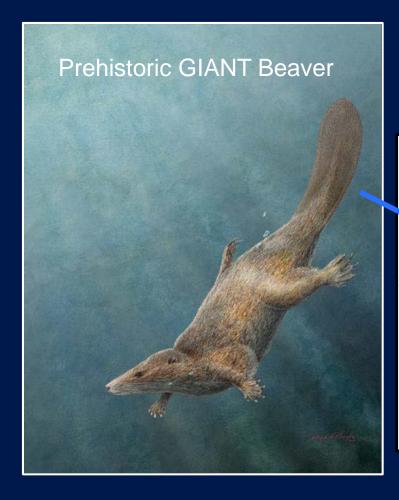


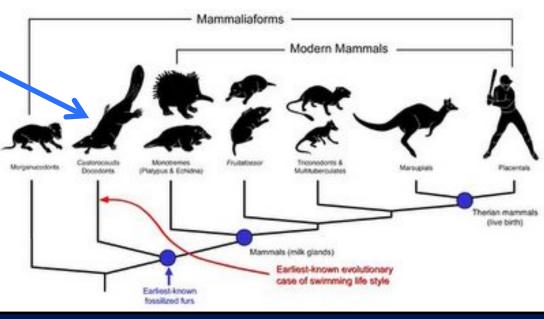
Goal: Restore upper Yakima watersheds How?

- 1. Remove "problem" beavers from valley
- 2. Place beavers in holding facility
- 3. Release beaver in key upper watersheds
 - Teanaway River Indian Creek, Jack Creek etc.
 - Taneum Creek
 - Manastash Creek
 - 4. Monitor success

Beaver evolution







The prehistoric GIANT BEAVER was the size of a black bear!

VISITORS CONTROL THE ACTION OF THREE DIRE WOLVES ATTACKING THE GIANT ANCIENT BEAVER.





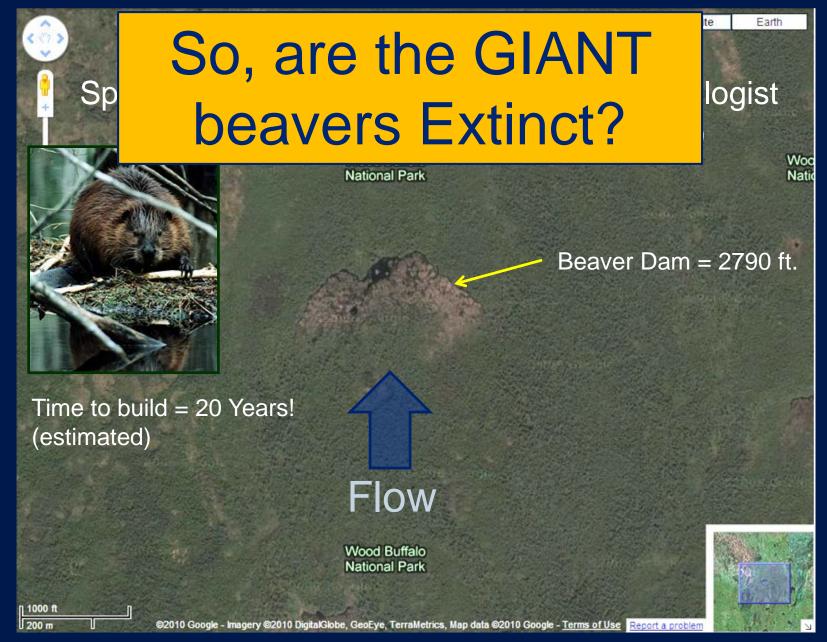
Our trees are too small....





World's Longest Beaver Dam.....

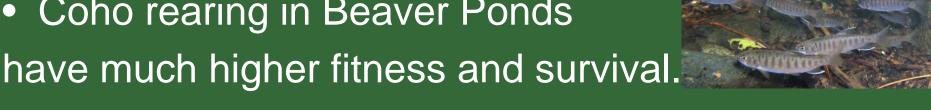




Why care about Beaver?



Coho rearing in Beaver Ponds



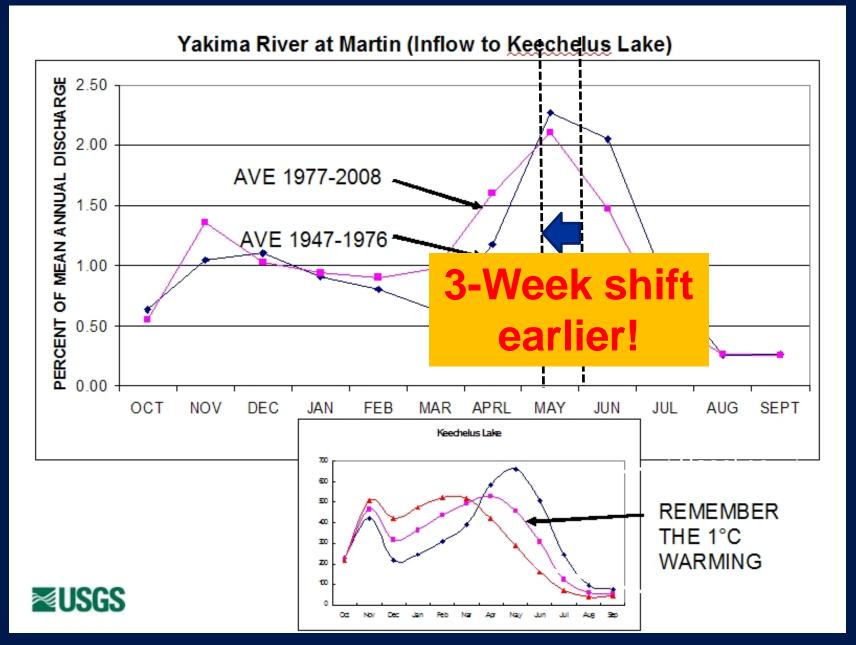
Beavers engineer for free

Beavers store water – water is what fish swim in.

Beavers are cool! And......

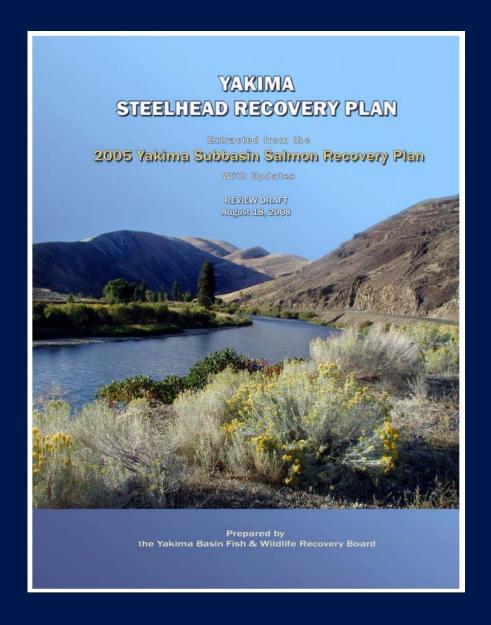
Yakima Hydrograph shifts over time

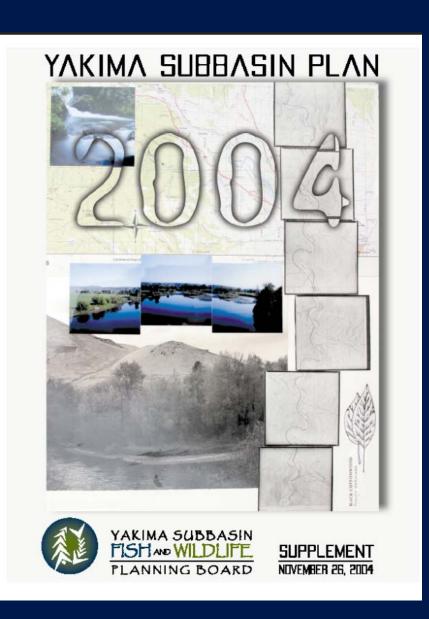




The plans call for beaver reintroduction







Methow Beaver project example: Step 1 GIS



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Legend

Beaver Model -Priority Reach Selections for Beaver Reintroduction

Gradient Class:

less than 3 percent

less than 6 percent

less than 9 percent

less than 12 percent

Historic Beaver Sightings

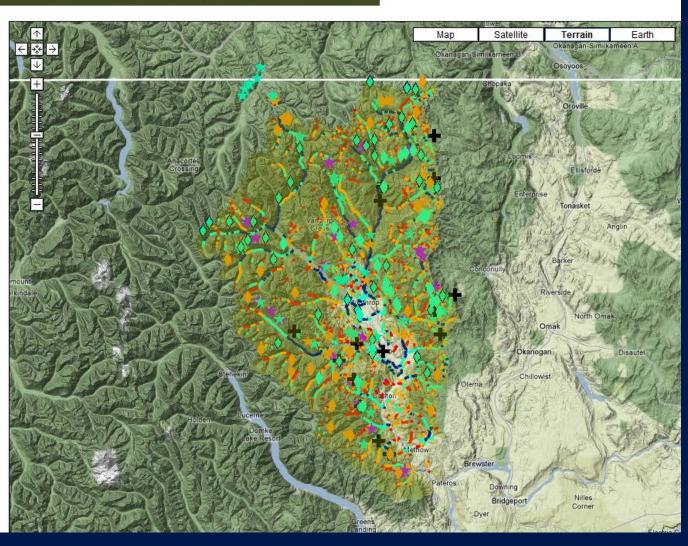
- 1930s Existing Beaver
- 🕴 1930s Good Habitat No Beaver
- 1930s Beaver Reintroduction
- 1956 Beaver Dam Sighting
- 1990s Unknown
- * 1990s No Active Beaver
- * 1990s Active Beaver

Public Lands

Download the KML files from this webmap for viewing in Google Earth

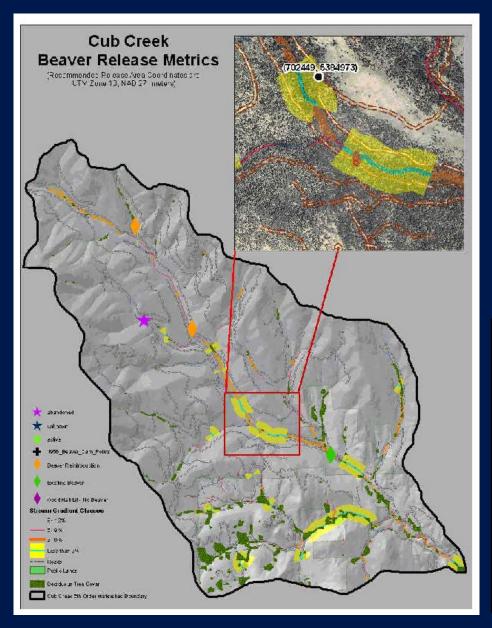
Historic Beaver Sightings

Priority Reach Selections by Gradient Class



Methow GIS Analysis: Sub-watershed



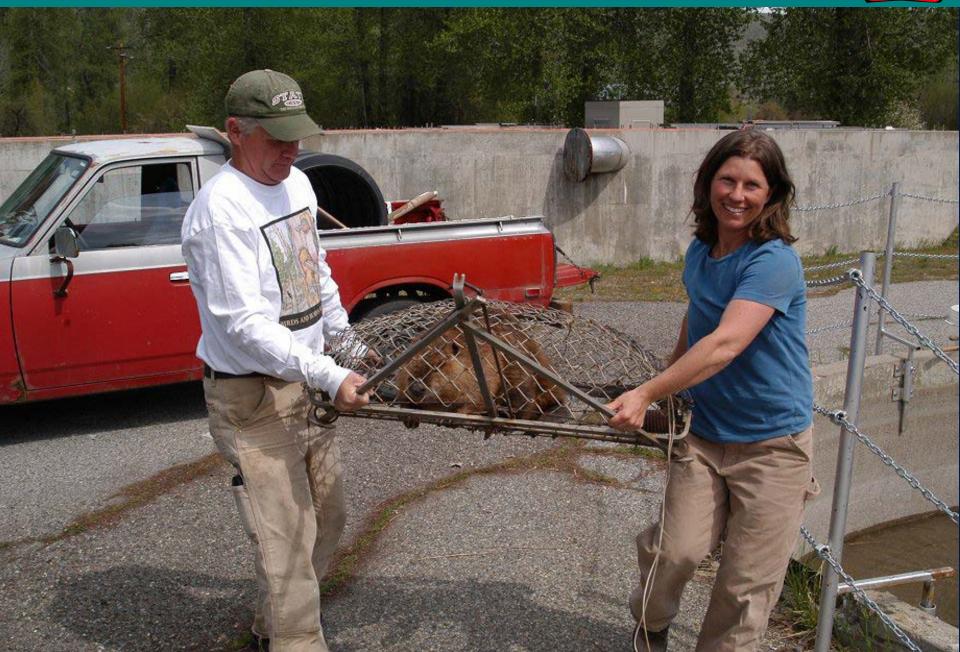






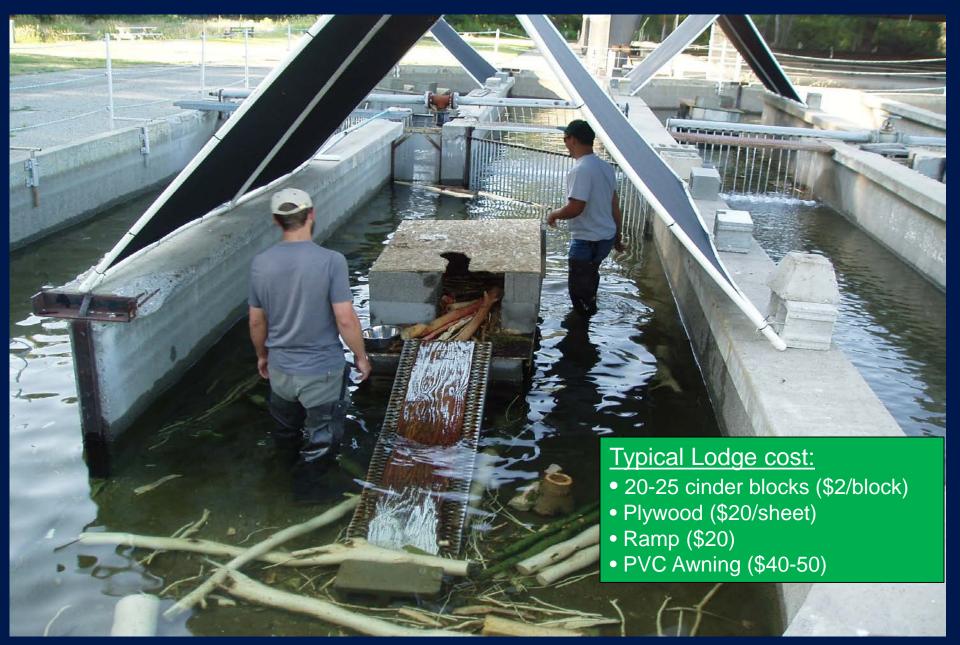
Step 2: Capturing a beaver





Temporary beaver "lodge"





Transferring the beaver for delivery





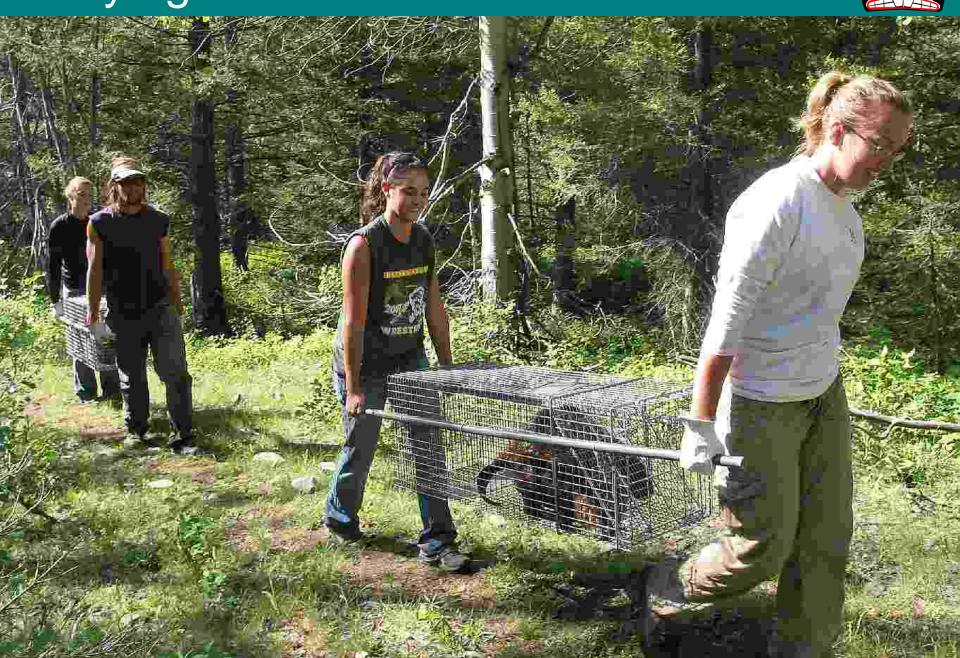
Bringing some play toys along





Carrying the clients to their new home





The new homestead





Temporary Lodge and small pond



Front view



Side view



Oua La! Water storage and fish rearing





Outreach and Education



Beaver Relocation Project



A coalition of partners, including the Methow Conservancy, Pacific Biodiversity Institute, US Forest Service, the National Fish and Wildlife Foundation, Ecotrust, Washington Audubon, the Washington Department of Fish and Wildlife, and the US Fish and Wildlife Service Winthrop National Fish Hatchery, have come together in the Methow River watershed to begin addressing water issues using a natural tool. A plan to remove beavers from places where they conflict with landowners and release them in unoccupied habitat higher in the watershed was originally developed in 2001, based on the experience of biologists, hydrologists, and aquatic ecologists in other Western states. The partners have agreed that water quality improvements are needed, the time is right, and have all contributed to the development of a working plan for beaver restoration.

In this project we will move the beavers to places in the National Forest where they will not cause future problems and where they can increase stream complexity, increase riparian vegetation, increase groundwater recharge, capture stream sediment, and delay stream runoff. In so doing we hope to provide significant, measurable improvements to water quality. This project is a new and different partnership for all the parties concerned. It requires stepping out of traditional roles and collaborating in creative ways.

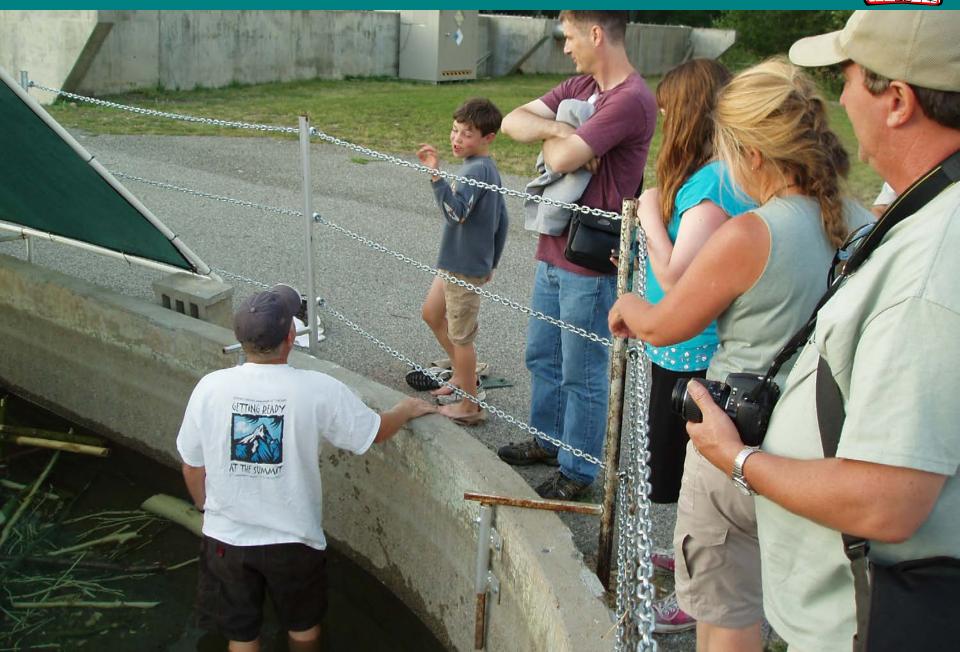






The Dare.....





The Dive....





Success!





The little ones don't bite.....





A happy ending.....







The End

