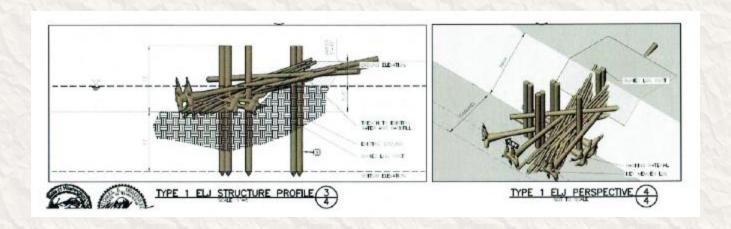






Moyax

- 25' X 14" DBH, log pile
- Engineer specifications required vertical piles be driven to 12' embedment
- 10 Type 1 ELJ structures = 90 piles (9/structure)



Glacial Clay, 2 feet below bed surface and ~8 feet deep = pile refusal



Movax getting smokin hot.



Sharpened pile points and fastened steel tips



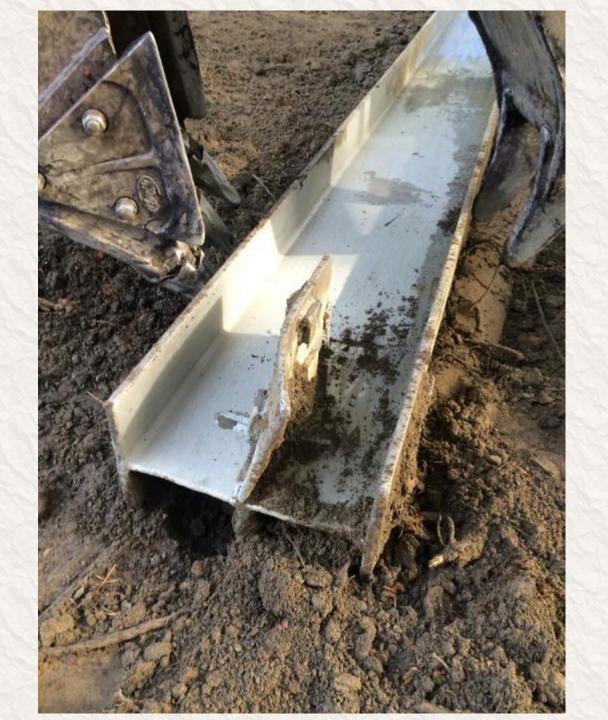
18', modified H-Pile for getting the pile holes started



This should work....



Turns out, rock can beat steel...





A new invention- Meet "Big Red" by BCI

Contractors

Big Red Movie













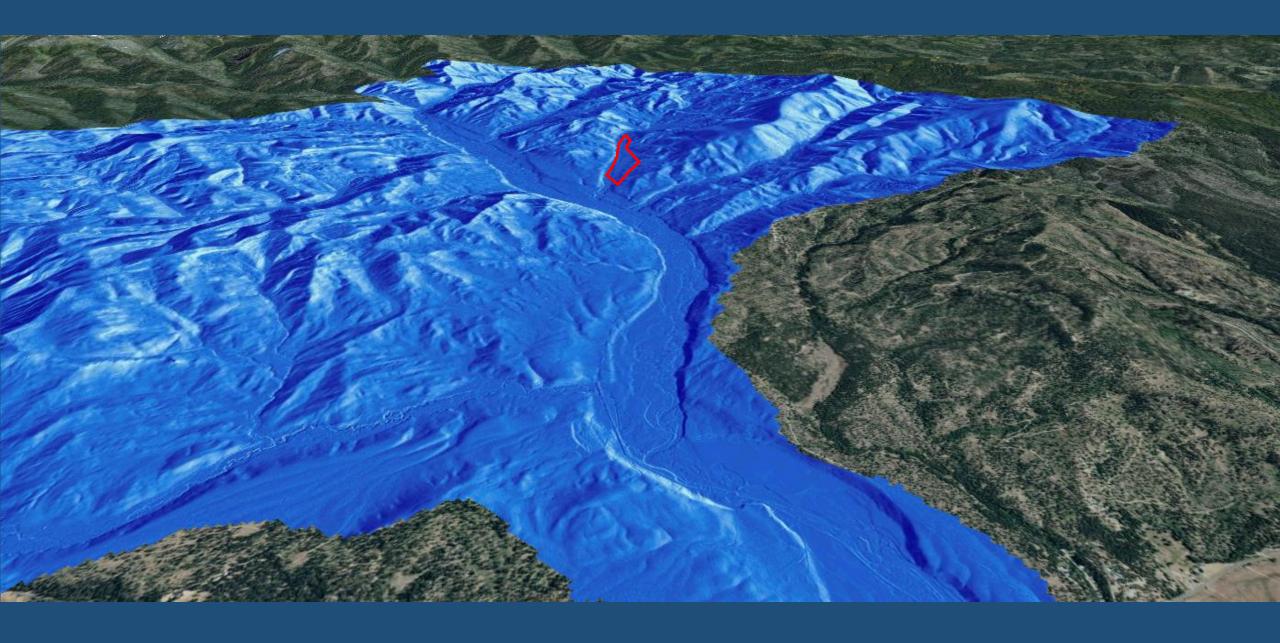
Project #2:
Indian Creek
Restoration Project



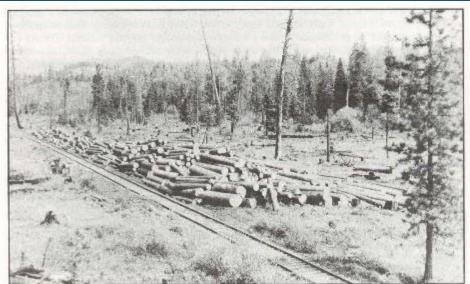








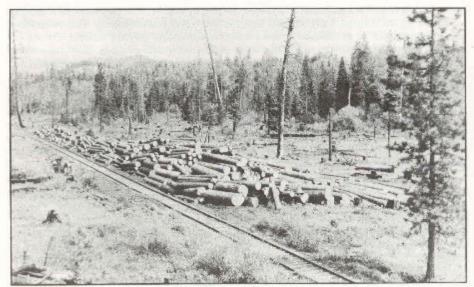




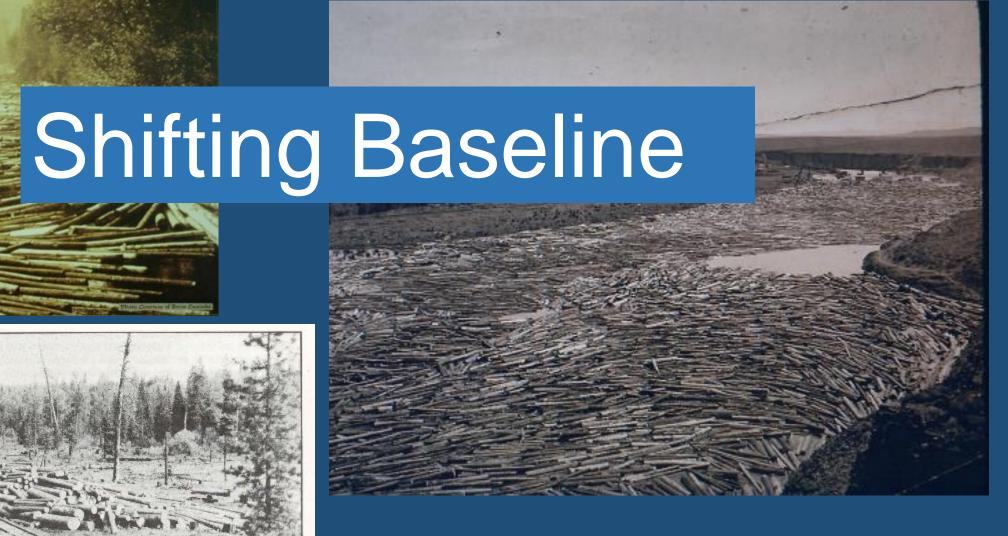
Logs along the North Fork spur waiting to be reloaded onto rail cars. Mid 1920s. (Photograph courtesy of Jack Whitnall.)







Logs along the North Fork spur waiting to be reloaded onto rail cars, Mid 1920s. (Photograph courtesy of Jack Whitnail.)

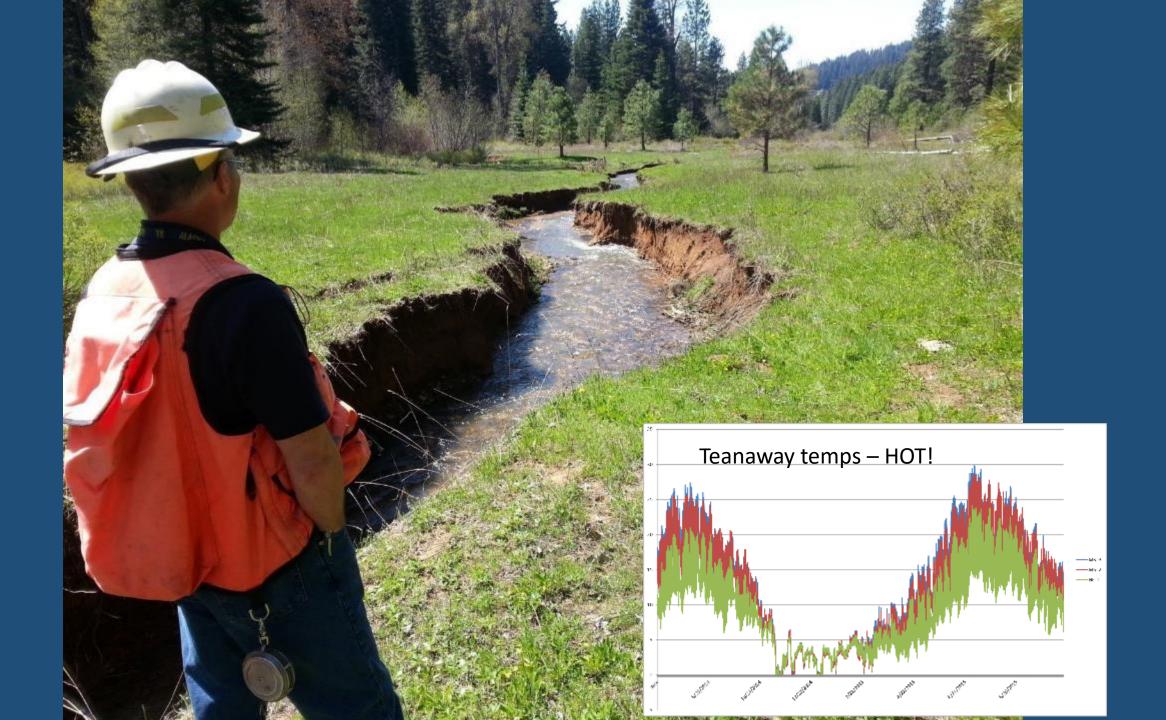


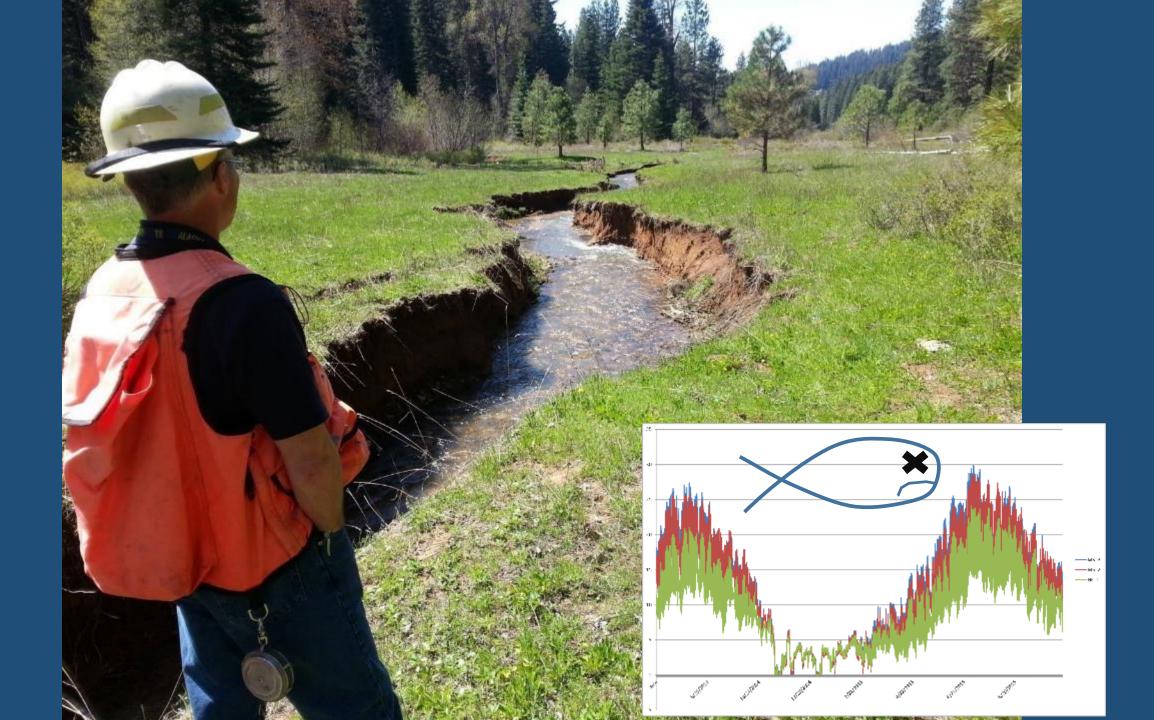


Natural Log Jam in Middle Fork Teanaway River, circa 1900, Ponderosa forest on East slope of Cascades, Washington

Source: Russell, I. C. 1909. Rivers of North America. G.P. Putnam's Sons, New York. 327pp. Figure B, Plate XII, page 239. (Scan by T. Abbe)











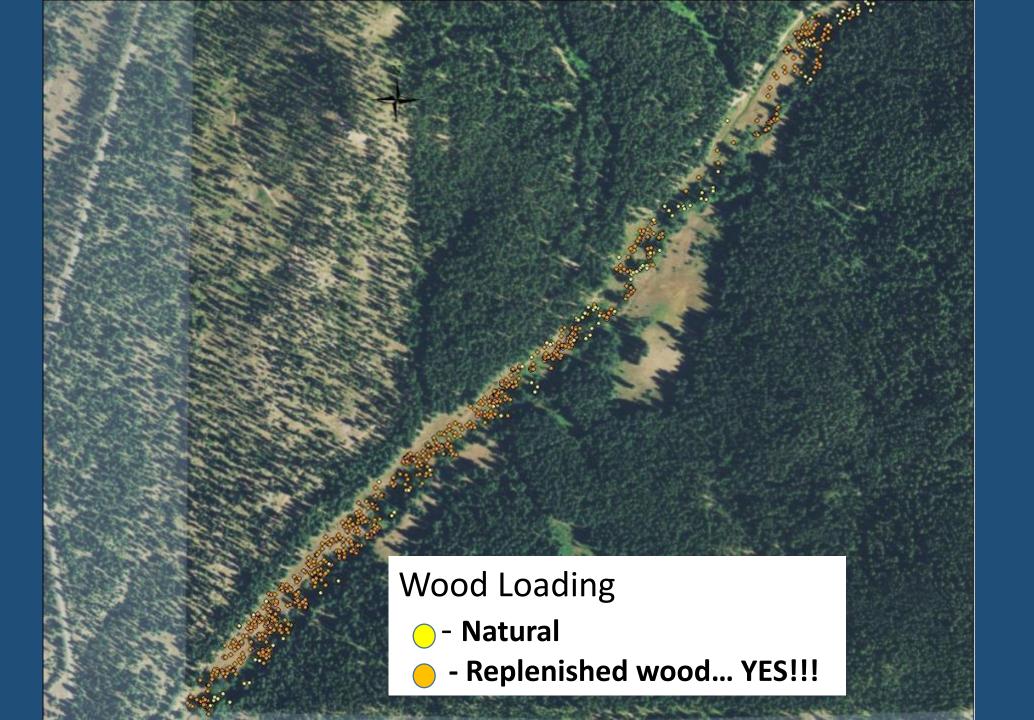




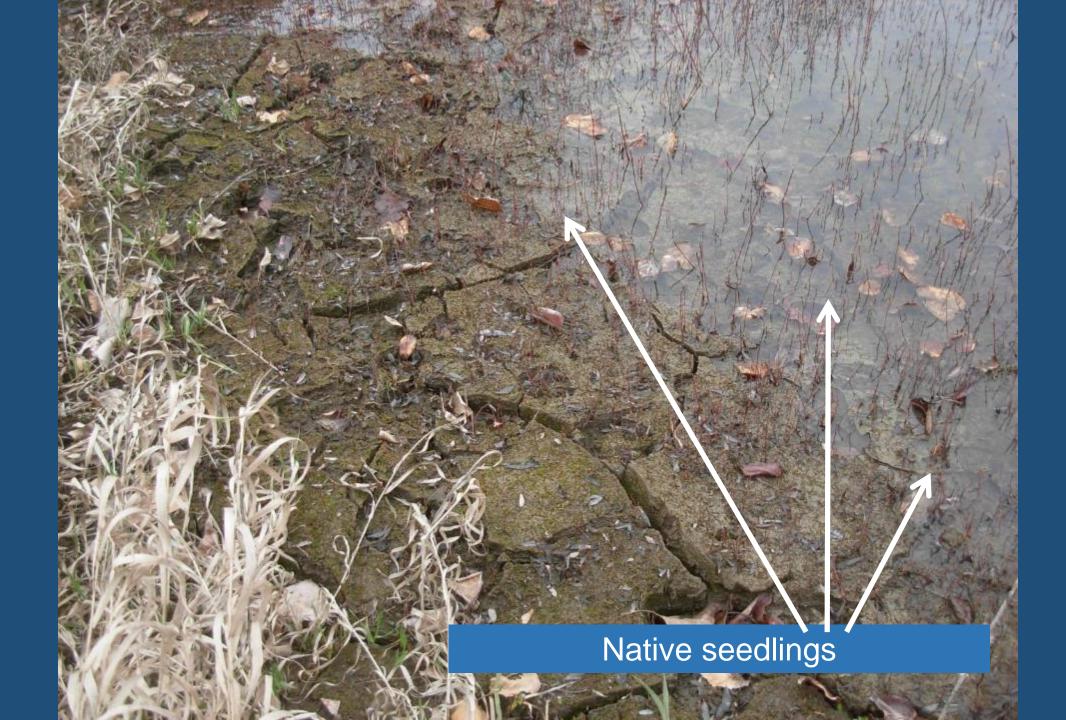


















"...... Protect and enhance the water supply..."

- "...... Protect and enhance the water supply..."
 "....... Maintain working lands while protecting key
- watershed functions and aquatic habitat..."

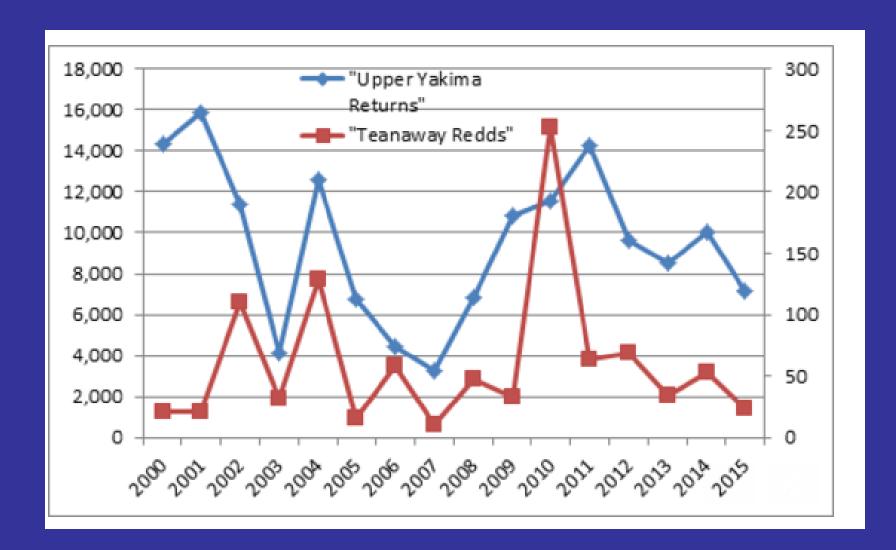
- "...... Protect and enhance the water supply..."

 "....... Maintain working lands while protecting key watershed functions and aquatic habitat..."

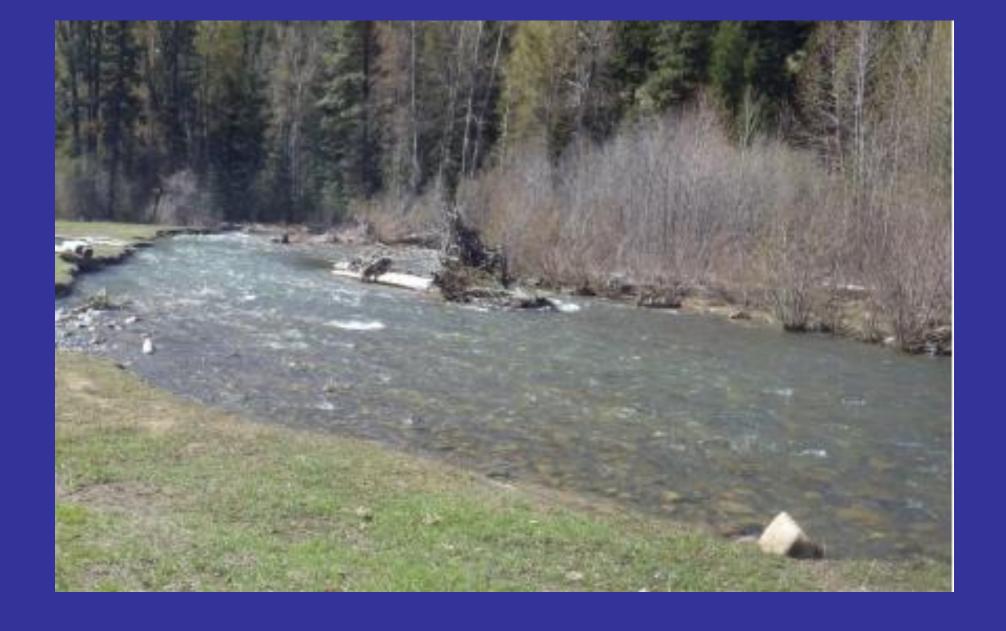
 "Conserve and restore vital habitat for fish, including
- steelhead, spring chinook, and bull trout..."

Spring Chinook recovery





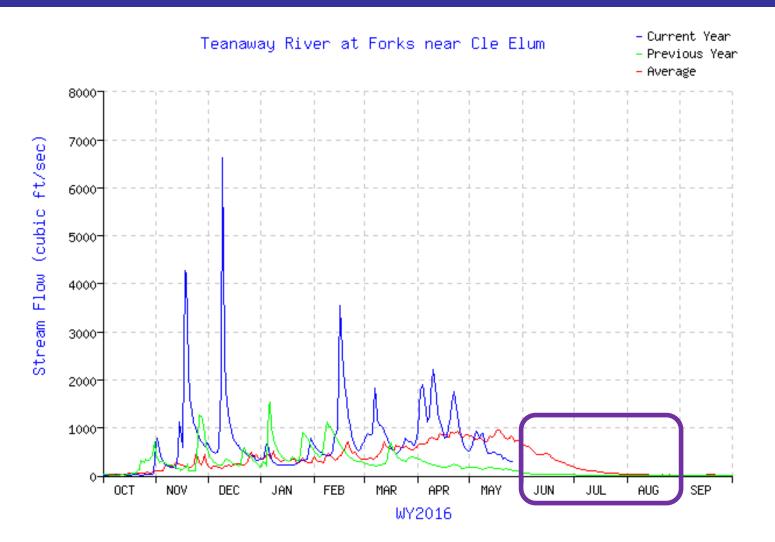




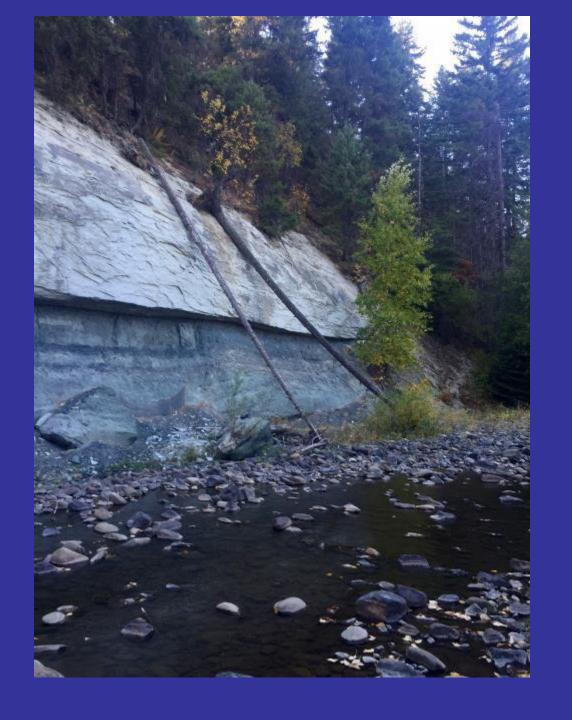


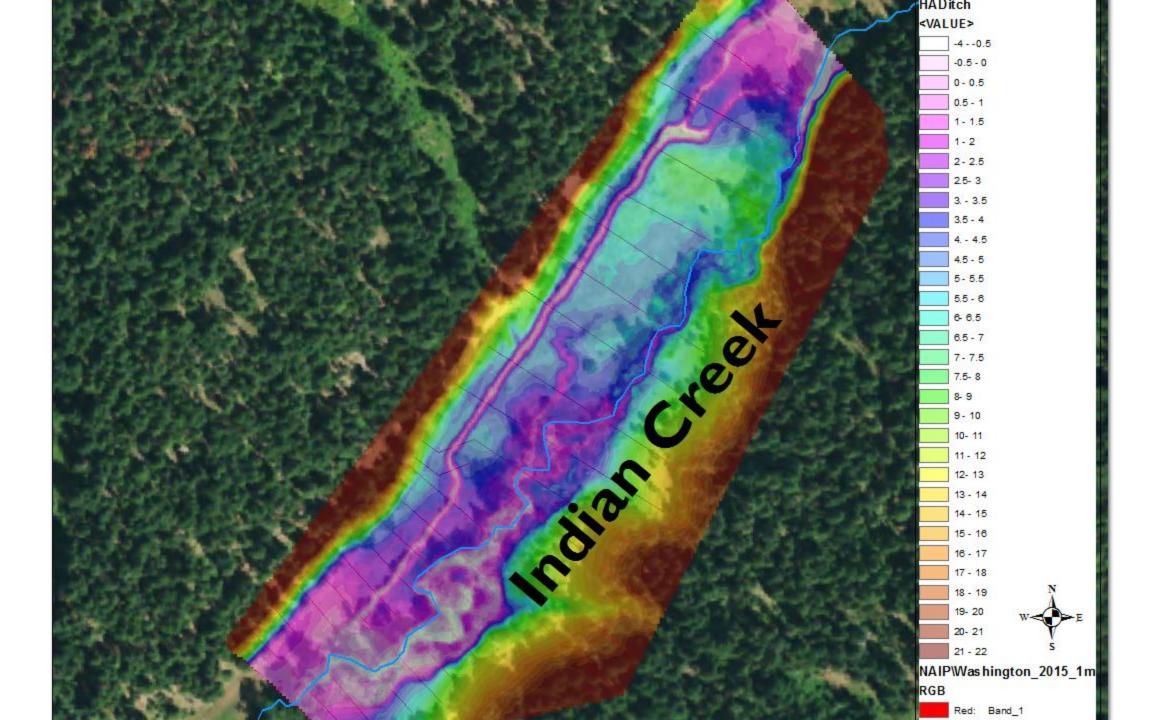
















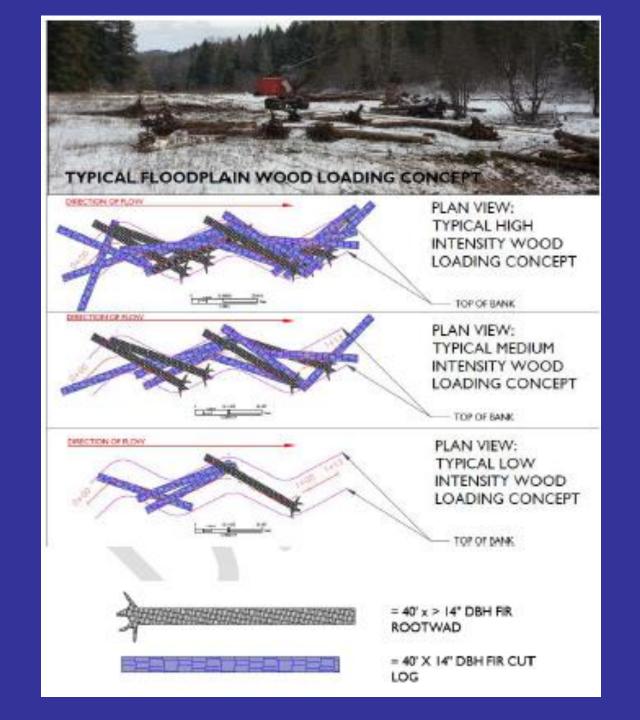
Teanaway Community Forest Aquatic Restoration Project 60% Design Report

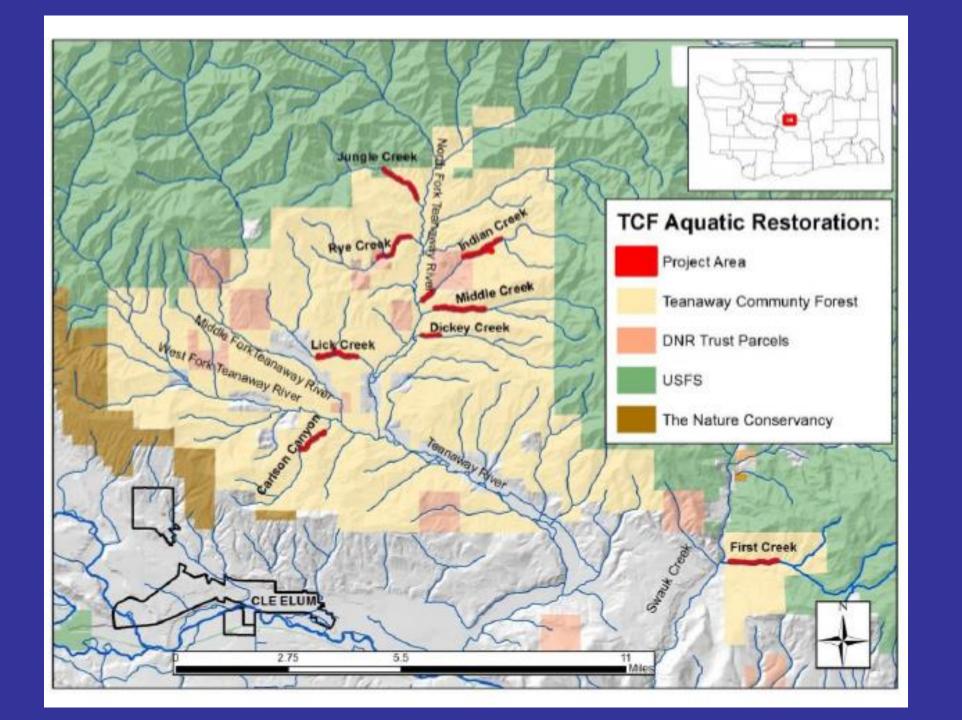
Date:
Yakama Nation Fisheries-Yakima Klickitat Fisheries Program
Ryan DeKnikker
509-945-5389
dekr@yakamafish-nsn.gov



Natural Log Jam in Middle Fork Teanaway River, circa 1900, Ponderosa forest on East slope of Cascades, Washington

Source: Russell, I. C. 1909. Rivers of North America. G.P. Putnam's Sons, New York. 327pp. Figure B, Plate XII, page 239. (Scan by T. Abbe)





I'll Be Back...





A few floodplain tidbits...



Restoring Floodplains at the Cosumnes River Preserve

Judah Grossman, Project Director Rodd Kelsey, Lead Scientist

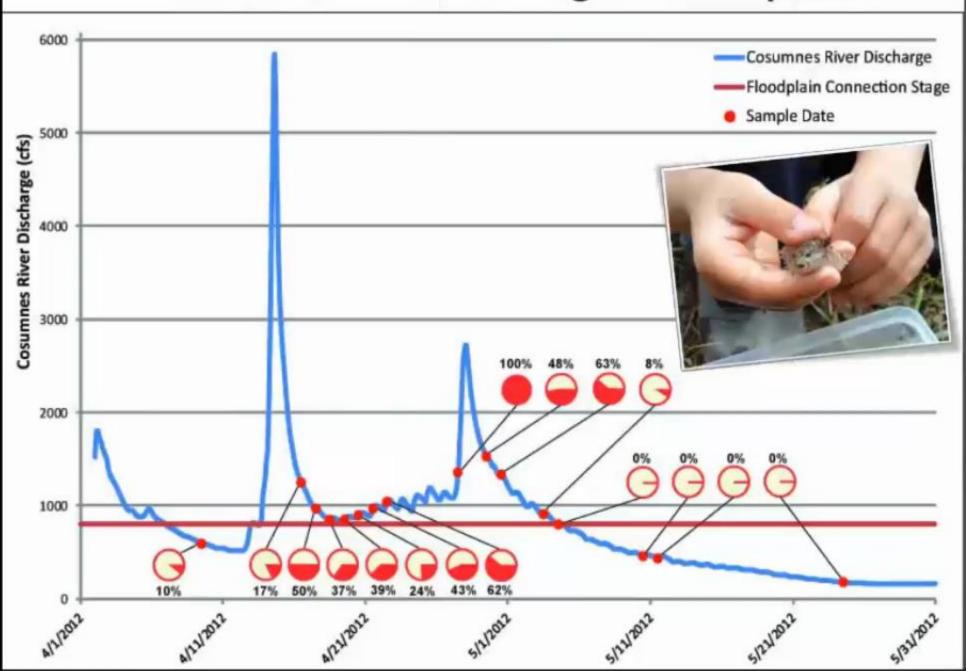
RESTORATION WEBINAR SERIES SEPTEMBER 3, 2015





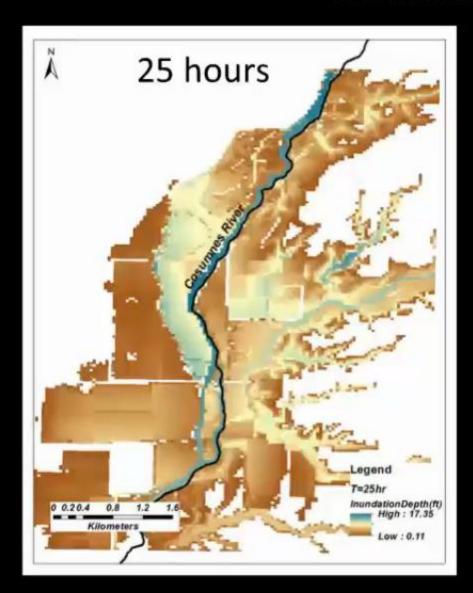


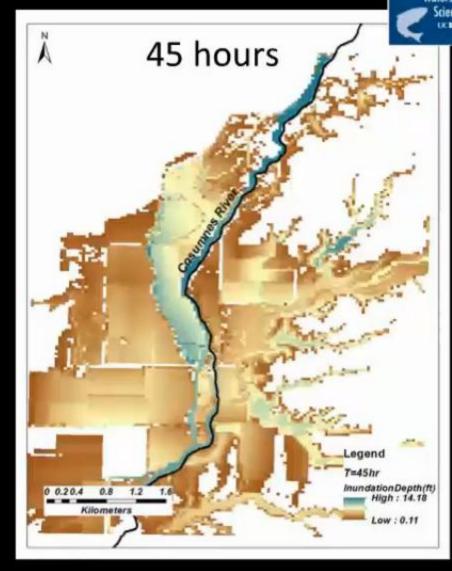
Percent Native Fish Leaving the Floodplain



February 2015:300 Acre-feet of recharge

Press Esc to exit full screen mode.





Center for

Thanks for your time!

