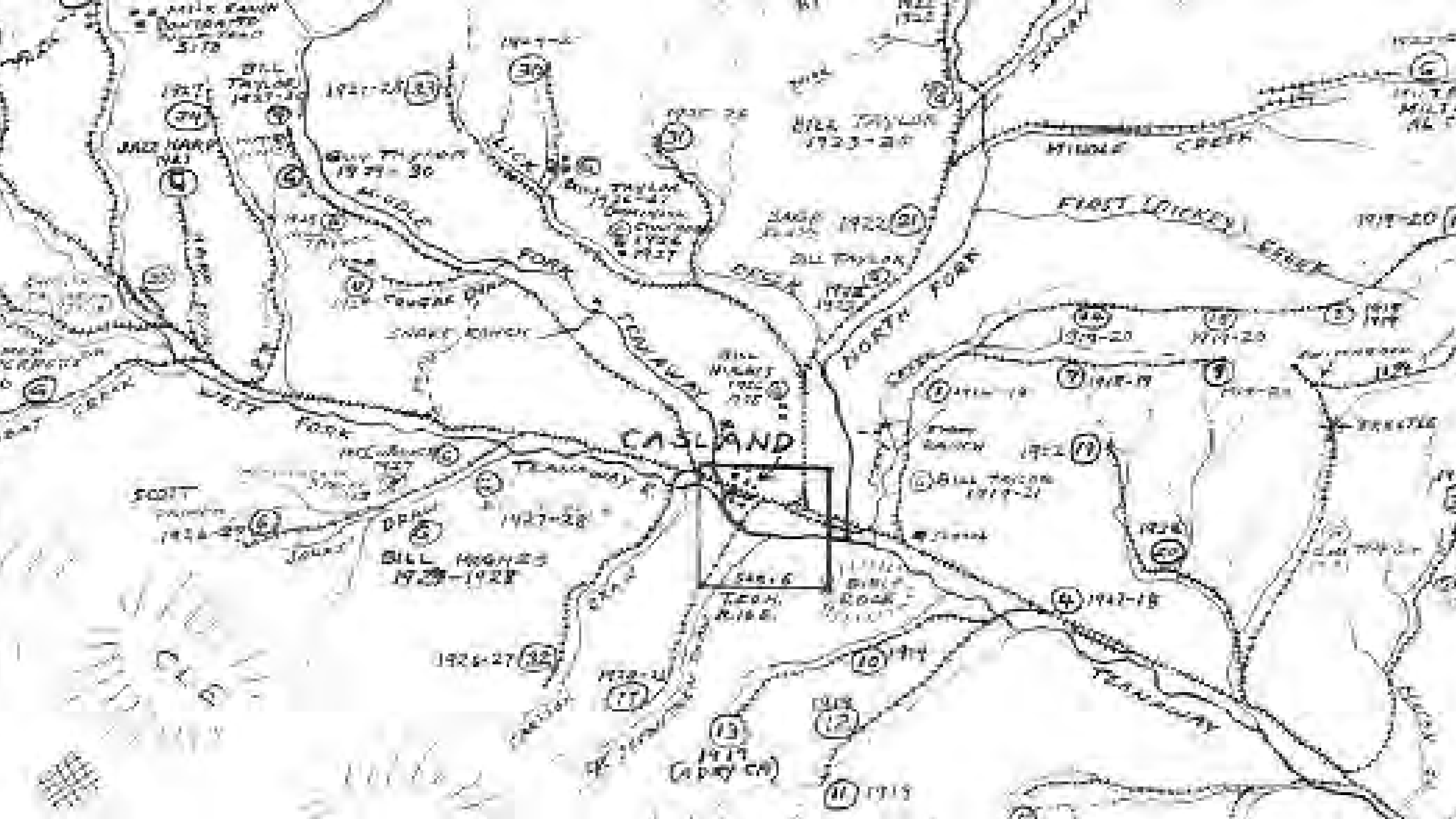


# Yakima Steelhead Recovery Plan

## Upper Yakima Action #14

- Restore instream and floodplain habitat complexity in Swauk and Taneum creeks and Teanaway and lower Cle Elum rivers.





CASLAND

MIDDLE CREEK

FIRST DICKENS CREEK

NORTH FORK

SOUTH FORK

SANDY CREEK

34

BILL TAYLOR  
1927-30

1921-24 (23)

BILL TAYLOR  
1929-30

30

20

BILL TAYLOR  
1924-27

BILL TAYLOR  
1923-24

BILL TAYLOR  
1922-23

BILL TAYLOR  
1924-25

1917-20

24

25

26

27

28

29

31

32

BILL TAYLOR  
1919-21

30

SCOTT  
1934-37

33

1927-28

BILL HUGHES  
1925-1928

34

10

4

1942-45

17

13

1919  
(ADRY CR)

12

11

W. H. H.



**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)

## The shifting baseline...



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





2002

Photos by Jim Matthews

07/08/2002

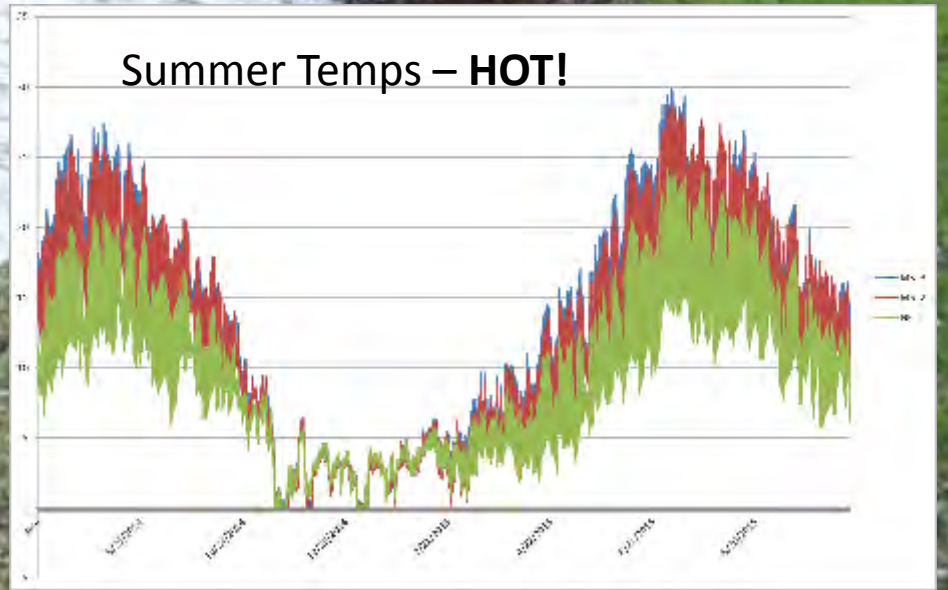
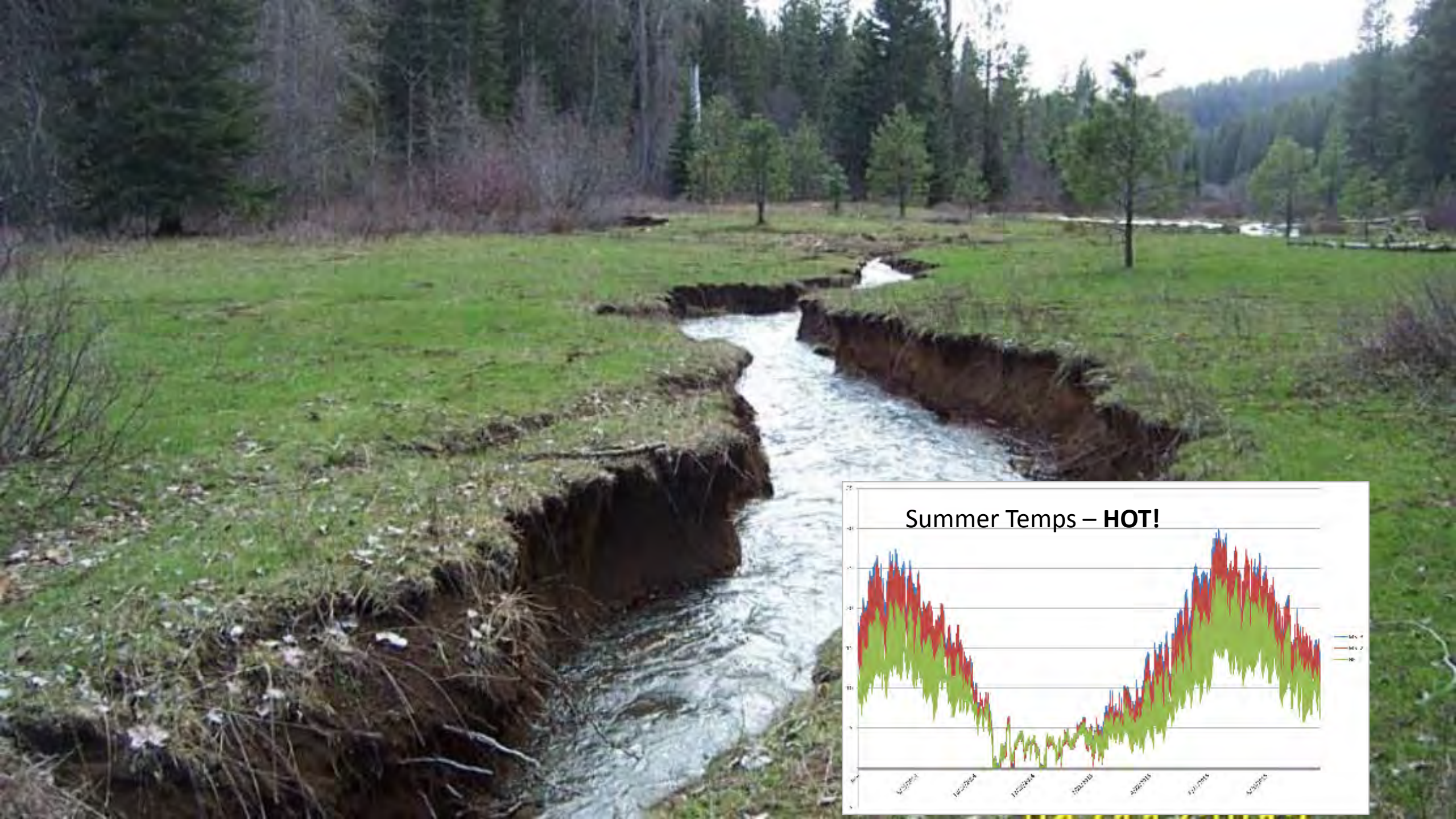


2008



2013

04 / 11 / 2013





A photograph of a forest stream with a blue text box overlaid. The stream flows through a forest with trees displaying vibrant autumn foliage in shades of yellow, orange, and red. The water is clear and reflects the surrounding trees. The text box is dark blue with white text.

Where's the Wood?

Wood is a Critical Part of a Healthy, Productive Stream



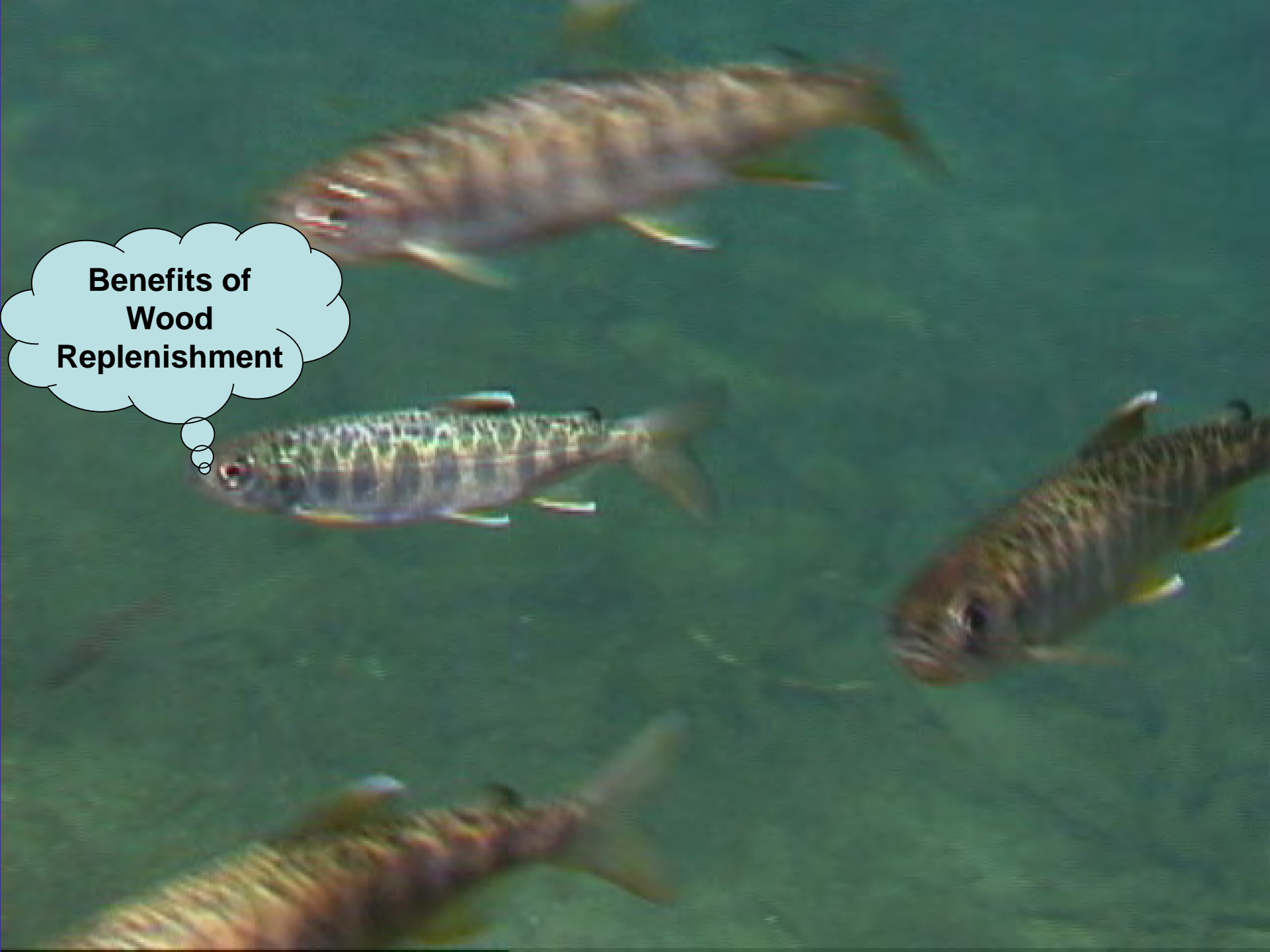


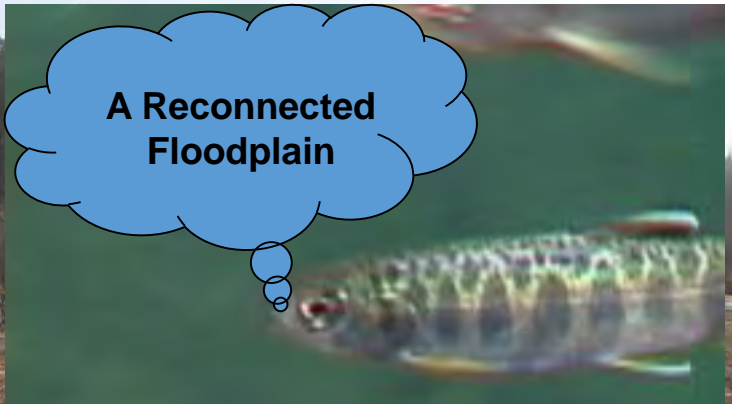
09.13.2010 11:22



Engineered structures – Part of the plan.

**Benefits of  
Wood  
Replenishment**







**Recharges the  
Aquifer with Cold  
Water!**

03.31.2011 10:04













01.18.2011

Spread the water out, SLOW IT DOWN,  
Protect Infrastructure

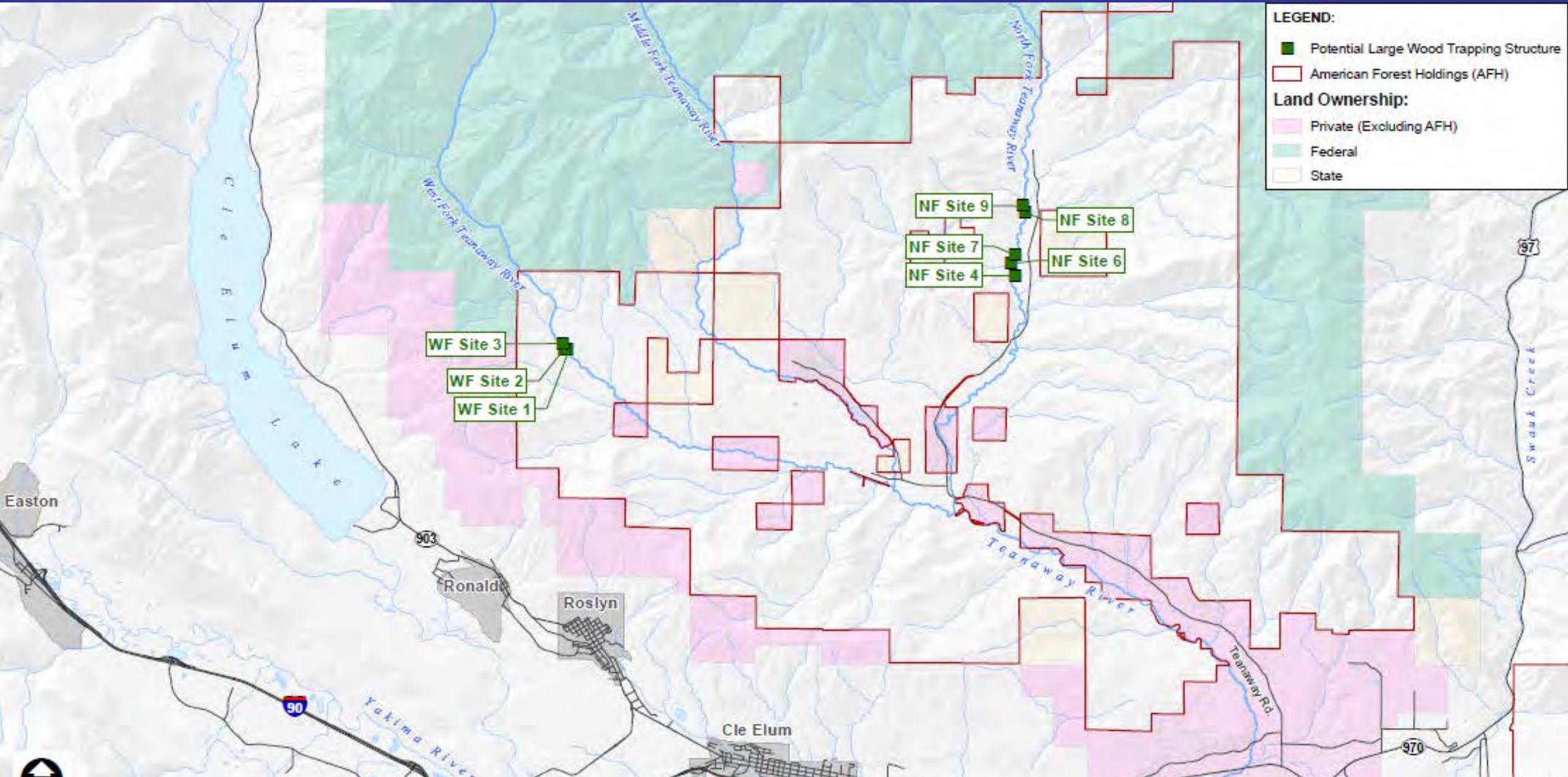


05.15.2011 13:53



03.31.2011 10

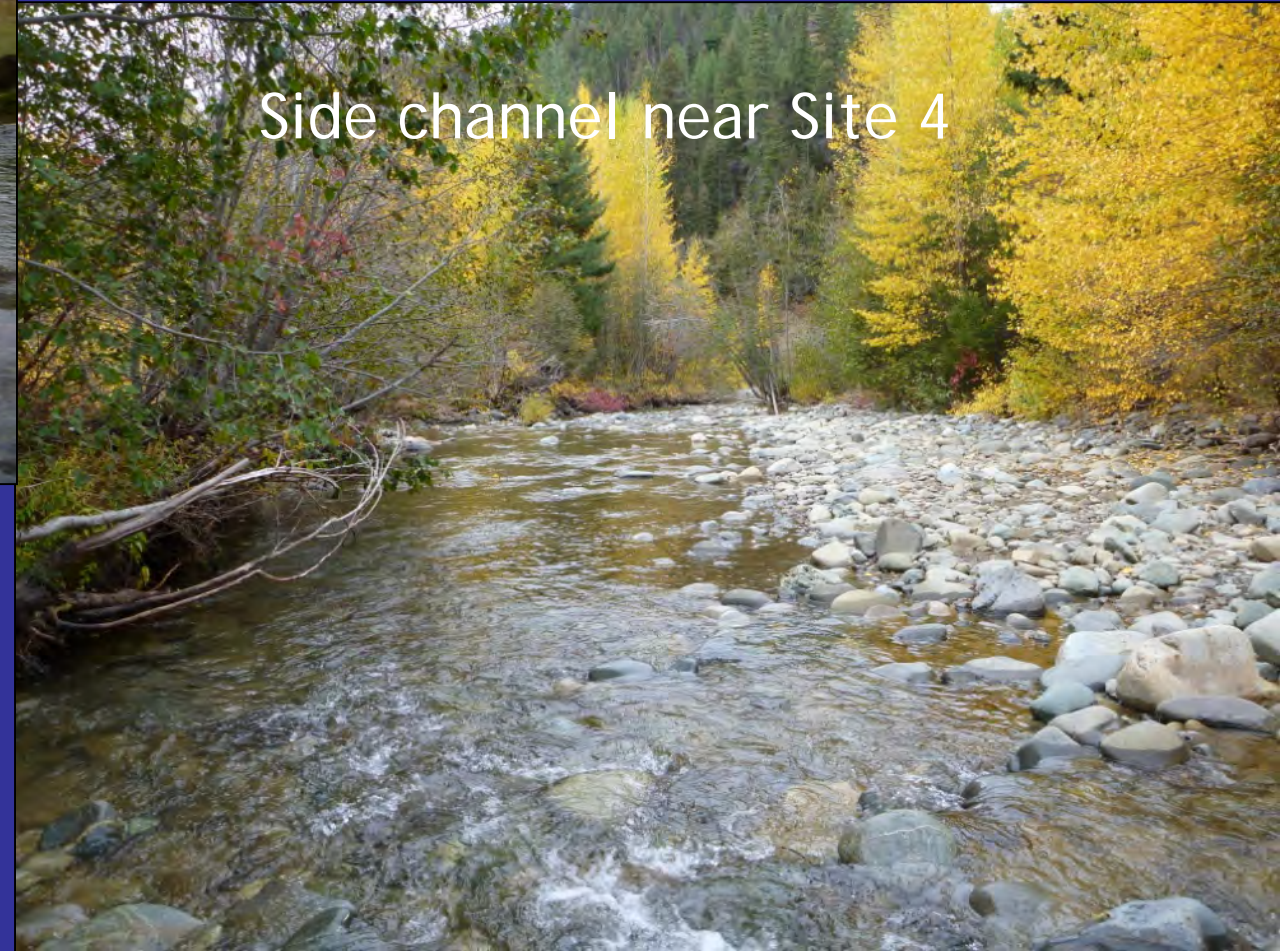
# Pilot wood designs



# North Fork Existing Site Conditions



Looking upstream at Site 4



Side channel near Site 4



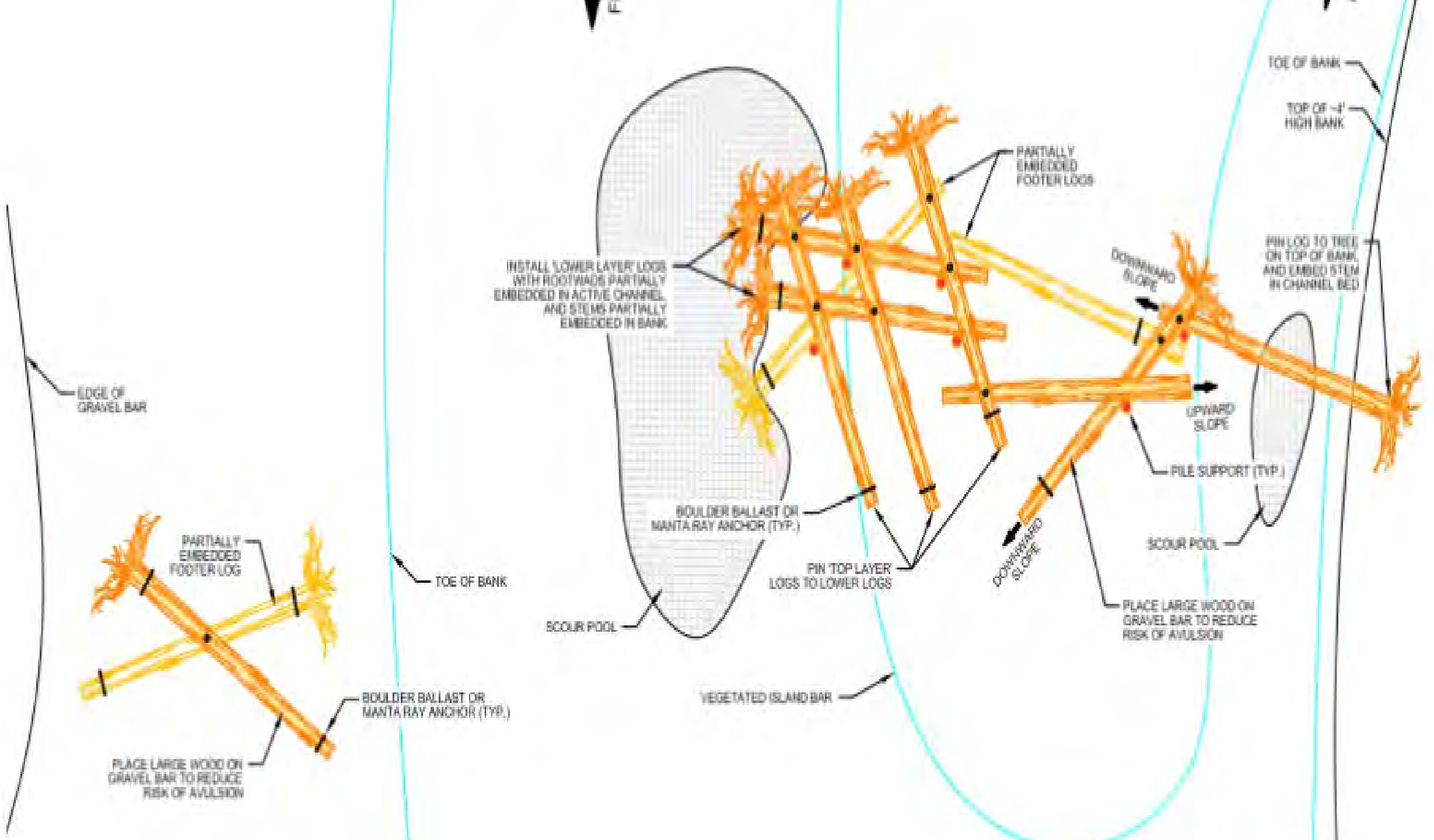




Existing natural wood jam between Sites 4 and 6 in the North Fork Teanaway River.



Looking upstream at North Fork Teanaway Site 6



**Designed to increase:**

- **Availability of spawning gravels;**
- **Pool frequency;**
- **Floodplain and side channel connectivity.**











# Indian Creek Restoration



Wood Loading

● - Natural



# Indian Creek Restoration



## Wood Loading

● - Natural

● - Replenished wood

