TEANAWAY COMMUNITY FOREST RESTORATION & MANAGEMENT



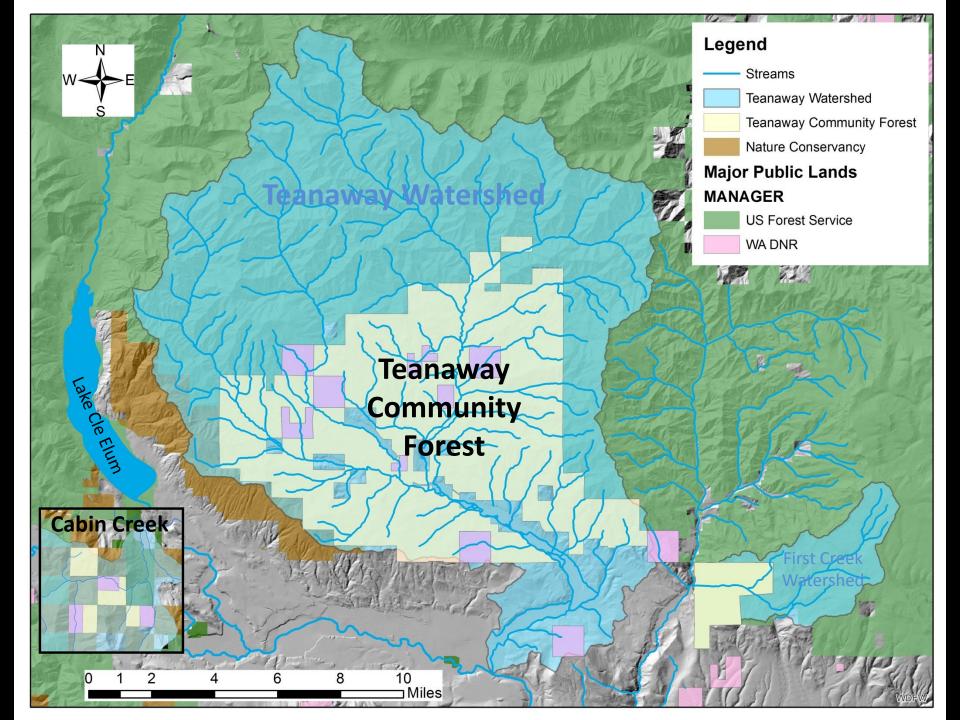








William Meyer, WDFW YBIP



Partnerships



Public & Teanaway Advisory Committee

Teanaway Accomplishments June 2018 update:

Goal 1: Water

- Treated 80 acres of floodplain with large wood
- Monitoring groundwater response
- Reduced 135 tons/year of fine sediment entrainment

Goal 2: Working Lands

- Constructed ~10+ miles of livestock fencing (2017/2018)
- 152 acres shaded fuel break
- 280 acres pre-commercial thinning

Goal 3: Recreation

- Recreation Planning complete September 2018
- DNR Funding for Campground improvements

Goal 4: Fish & Wildlife

- Removed 9 fish passage barriers, opening ~5.4 miles habitat
- Restored ~5.7 stream miles in 5 Tributary streams
- NFT Geomorphic Assessment 50% complete

Goal 5: Community Partnerships

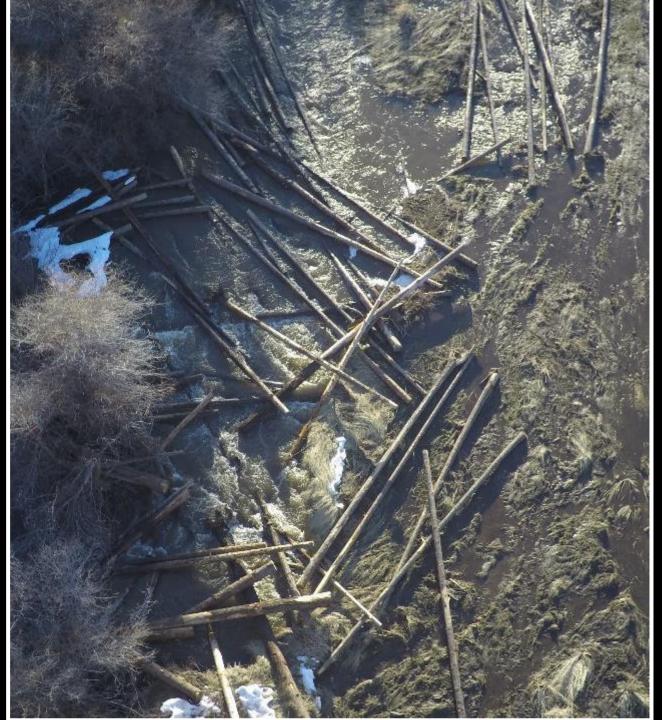








Goal 1: Water



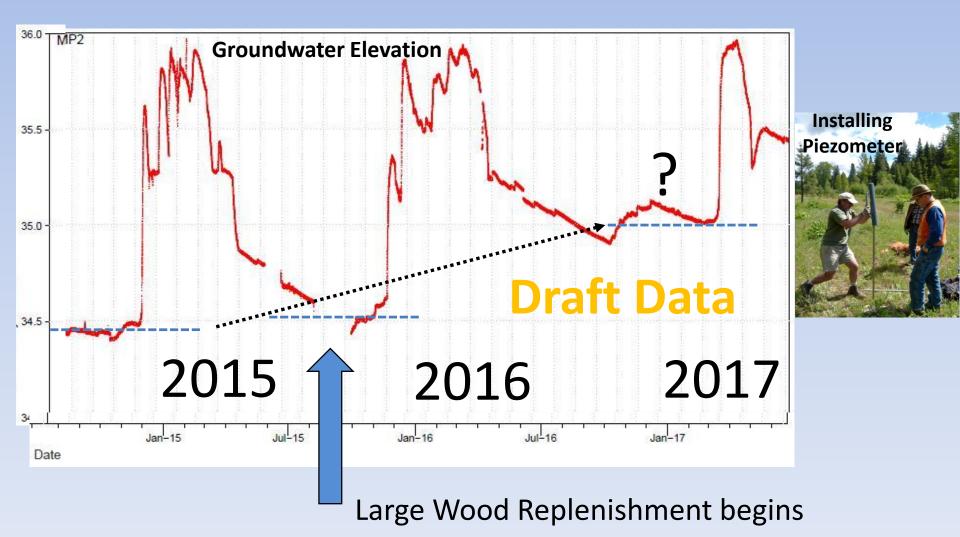


2015-2017 Treated ~80 acres

2018 Treat ~70 acres

Indian Creek Groundwater Monitoring

*Preliminary Results:



Fine Sediment Treatment

DIAN

150

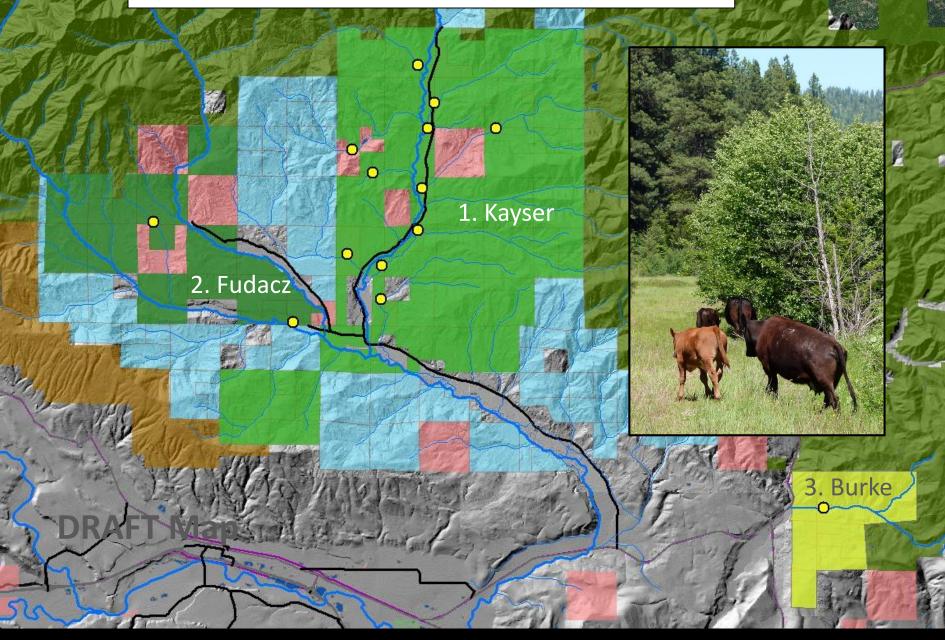


Reduced 135 tons/year of fine sediment (55% of total)

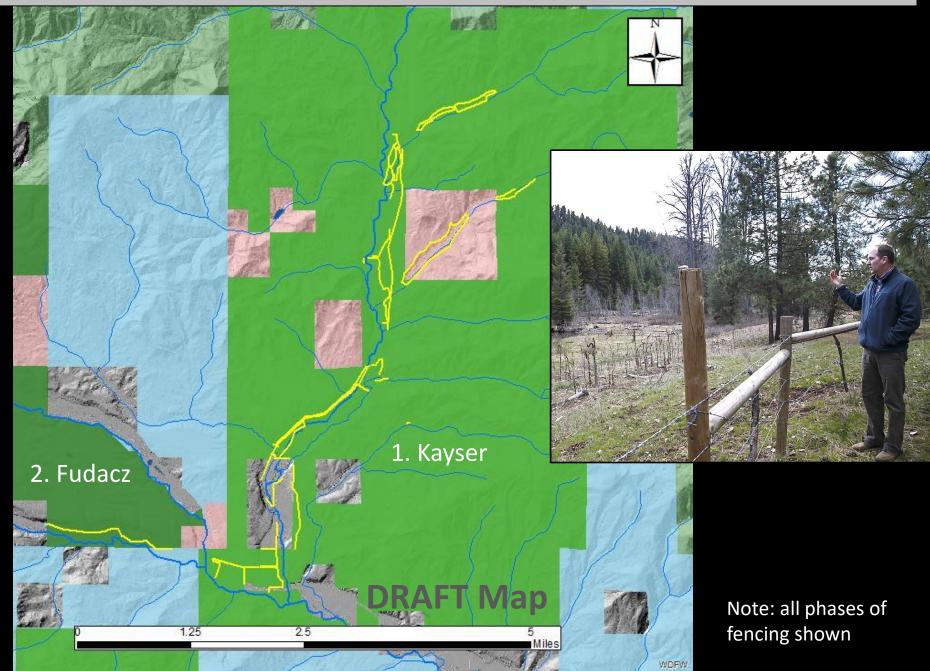
Goal 2: Working Lands



Working Lands: Grazing - 3 Leases



Floodplain fencing: ~7+ miles of fence constructed

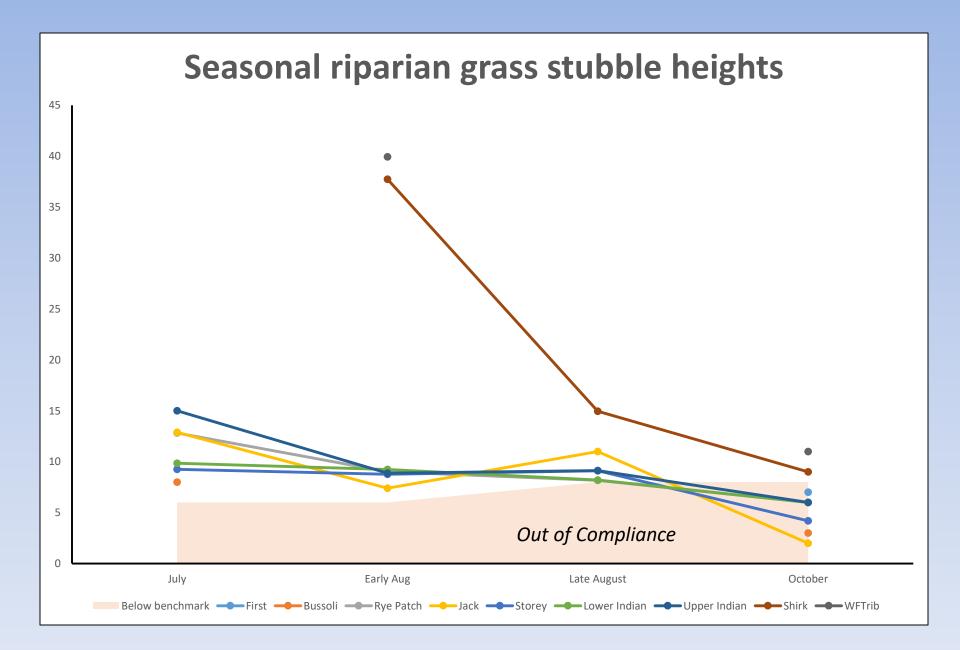


TCF Monitoring Results 2017

Riparian monitoring point – Shirk Cr.

Upland monitoring point – Storey Cr.





Compliance

Targets

- Year 1: 75% compliance
- Year 2: 90% compliance
- Year 3: 100% compliance

Jolly Mountain Fire 2017

Photo: Tracy Rooney

Total Burn 57.5 sq. miles

TCF Burn ~14.5 sq. mi.

970

Burn Severity Map

© 2018 Google





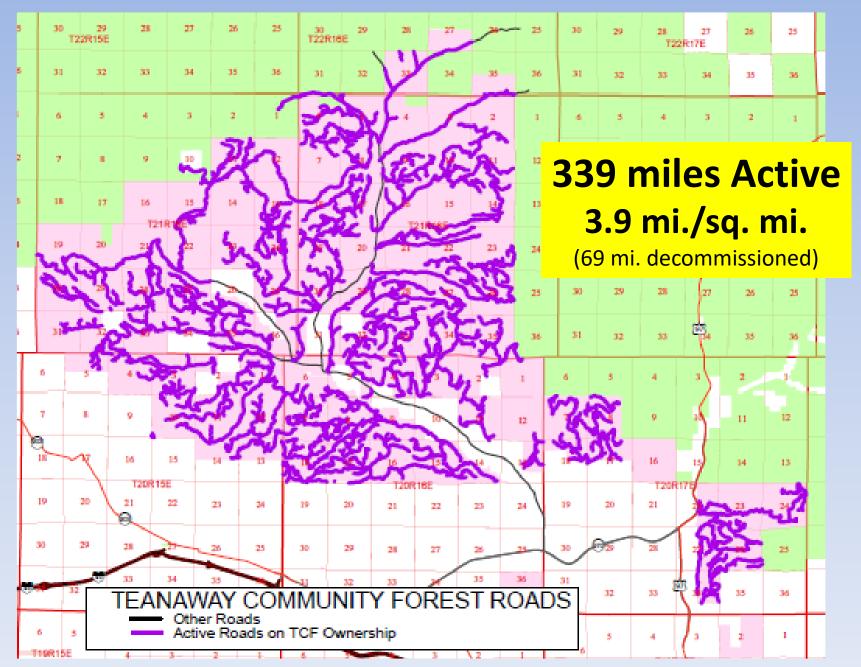
DNR constructed a Fire Break upper Lick Creek

DNR constructed "shaded fuel break"

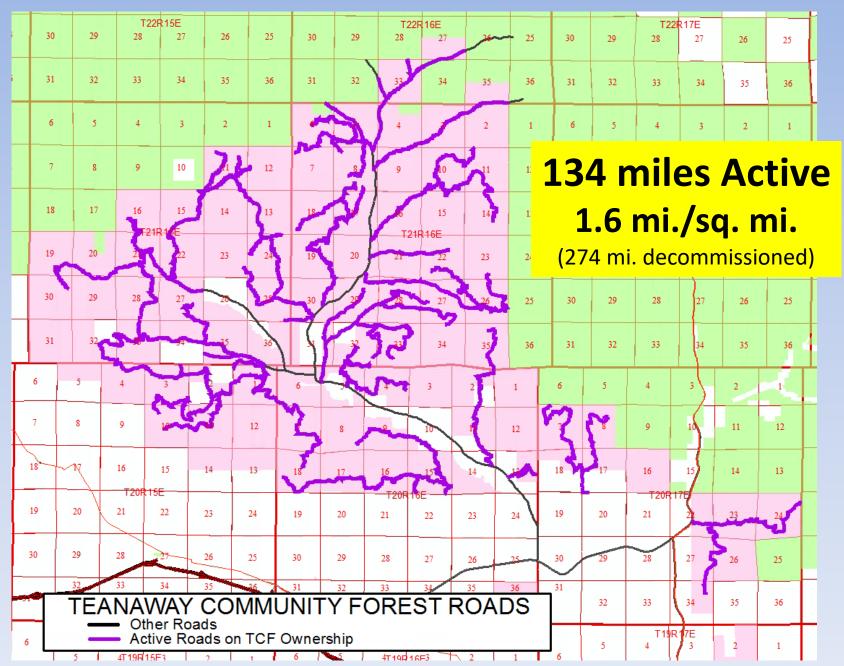
2015-2017 \$328K 280 acres of Pre Commercial Thin 152 acres of Shaded Fuel Break

2017-2019 \$125K 40 acres of Shaded Fuel Break

TCF ROADS CURRENTLY ACTIVE



TCF ROADS PROPOSED TO BE ACTIVE



Goal 3: Recreation

Recreation Planning complete September 2018 Campground improvements

Goal 4: Fish & Wildlife

Teanaway Steelhead

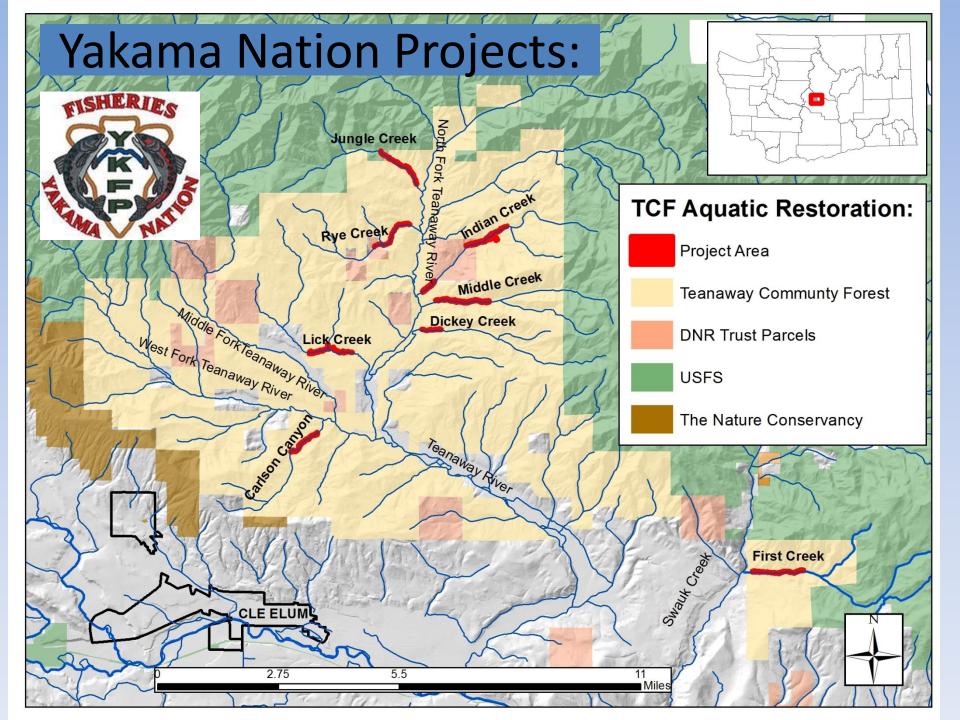
Spotted Owl





Bull Trout



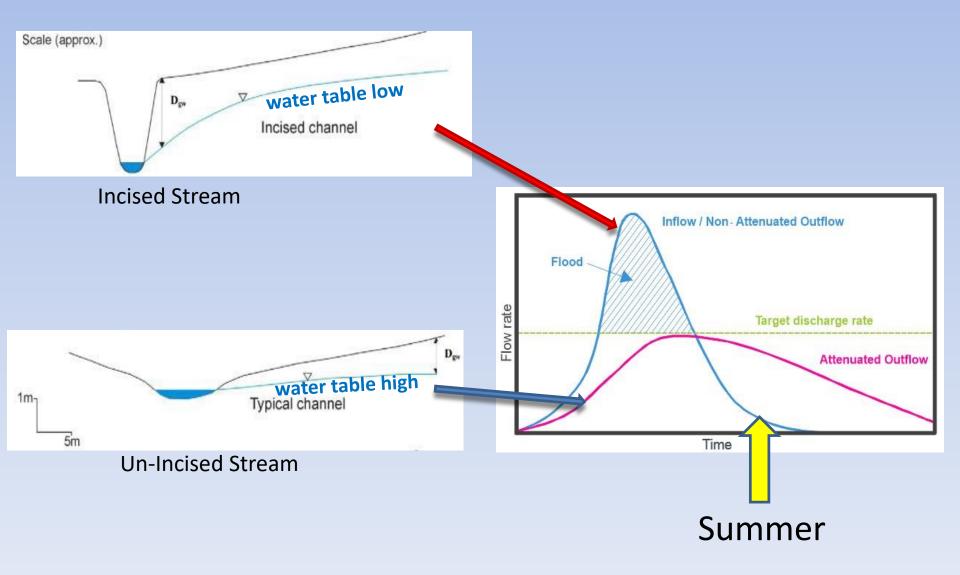








Incised Streams & Hydrograph



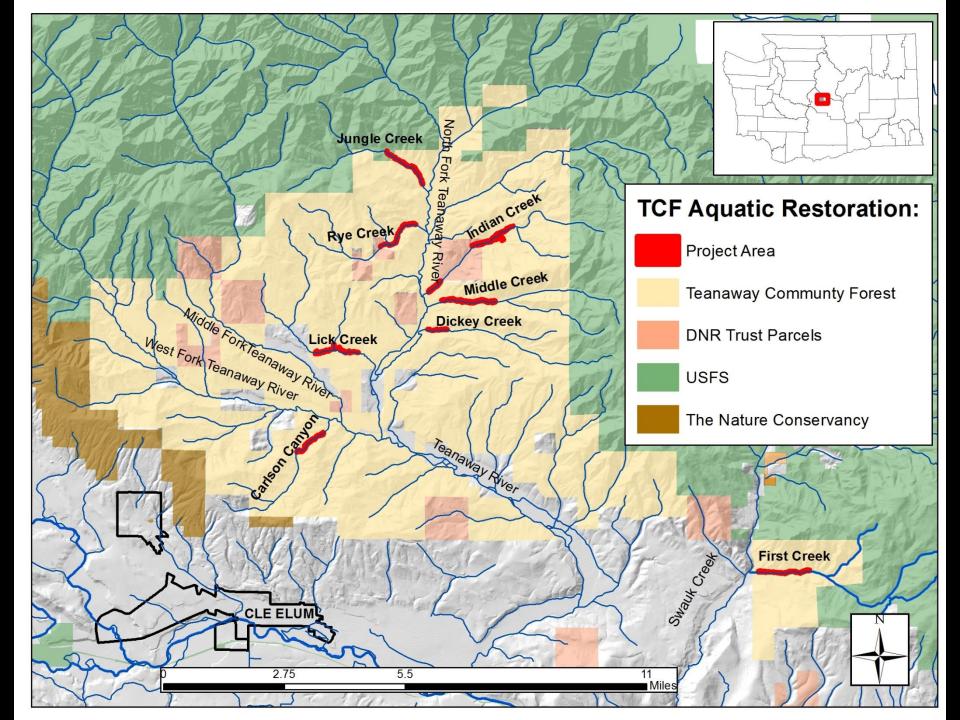
2015 Work: Indian Creek

and the

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20.00





NF Teanaway

Indian Creek

LiDAR hillshade



Relative Elevation Model



Wood Loading Levels

Medium

Low

TREATMENT APPROACH/100 FEET OF STREAM

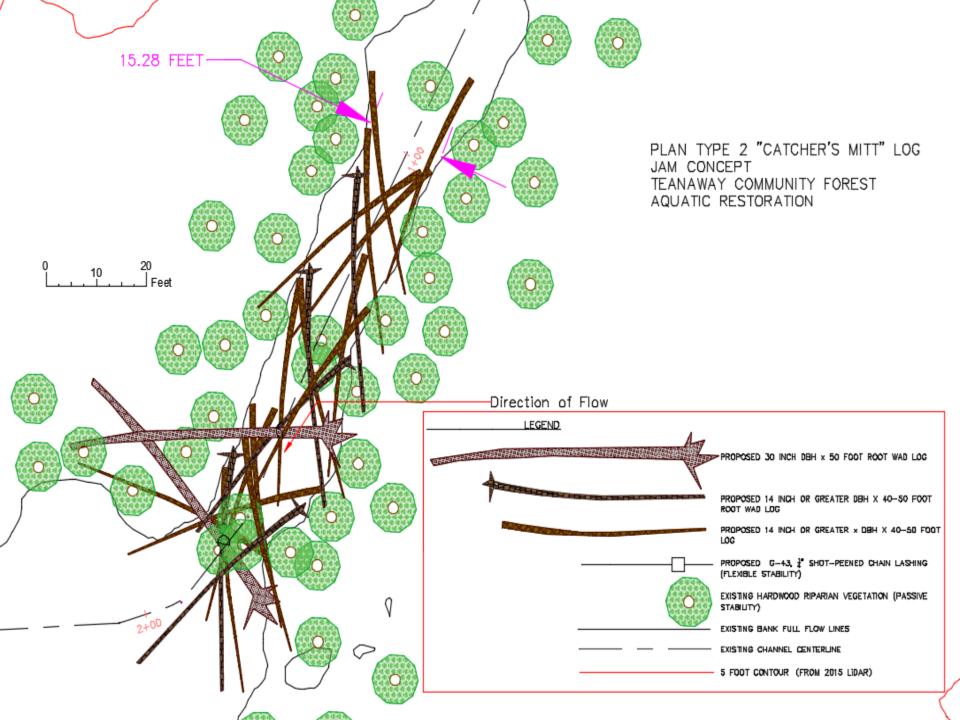
HI INTENSITY = 15 CUT LOGS & 5 ROOTWAD LOGS

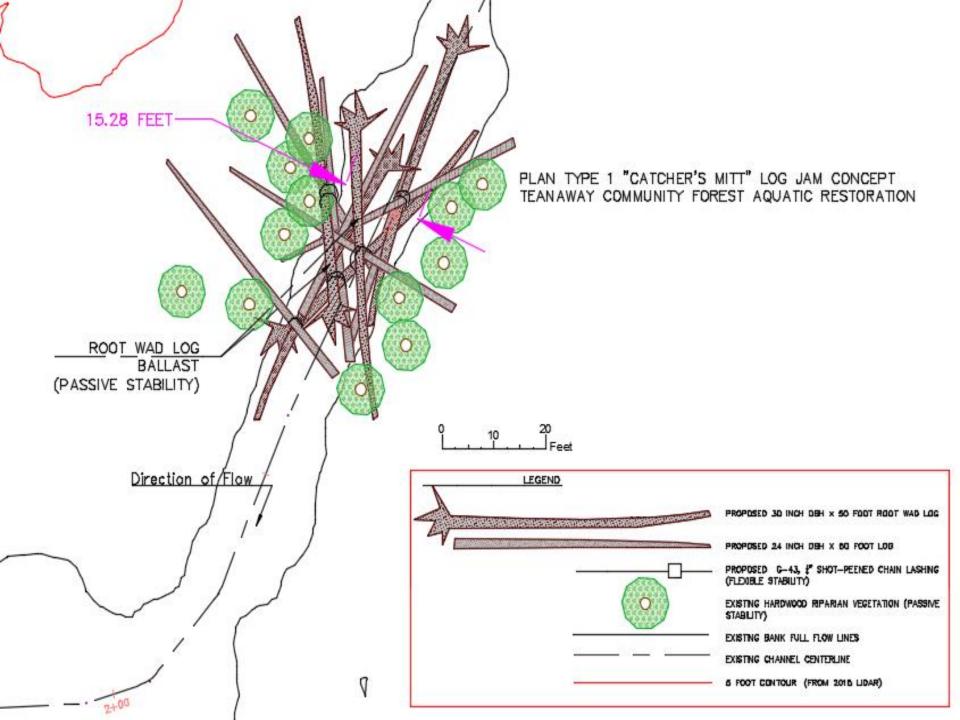
MEDIUM INTENSITY = 7 CUT LOGS & 2 ROOTWAD LOGS

LOW INTENSITY = 2 CUT LOGS & 1 ROOTWAD

FLOODPLAIN ROUGHNESS = 70 LOGS/ACRE

TREATMENT APPROACH





=21 = 35 LOG<14" 14" = 8, LOG>14" = 25, LOG<14" =112 RW> 25" = 2, LOG>14" = 18, LOG , LOG>14" = 18, LOG<14" =67 14" = 1, LOG>14" = 4, LOG<14" = 77 11, LOG>14" = 32, LOG<14" =98 22, LOG<14" E84 = 31 = 32, RW> 14" = 23, LOG>14" = 69, LOG>14" =10 LOG<14" = 32 18W> 14P = 1, LOG>14P = 2, LOG<14P = 183 = 18, LOGS14^D =88 = 49, LOG<14" =61 RW> 14" = 2, LOG>14" = 5, LOG<14" = 88 RW> 14" = 4, LOG>14" = 12, LOG<14" =28 = 42 1,7 = , LOG<14" : LOG>14" = , LOG>14" = 8, LOG<14" =35 LOG>14" = 8, LOG<14" =46 RW2 14" = 4, LOG214" = 12, LOG214" =25 RW> 14" = 2, LOG>14" = 5, LOG<14" =70 0RW> 14" = 2, LOG>14" = 5, LOG<14" =35 RW> 14" = 22, LOG>14" = 67, LOG<14" E 8, LOG<14P 32. 10. 5 1 LOG>14" = 1 , RW> 25" = LOG>14" LOG>14" LOG>14" LOG> L0G>14" 6 6 RW> 14" = 6. = 16. 11 RW> 14" ġ, é RW> 140 R.W > R W > 14.0= 0 Ū, R W > 14" 1 4 " 14 -RW> < M > NN R W > TRUCK TURN AROUND **MIDDLE CREEK** Type_1_Log_Jam Type_2 ······ Access Low_Intensity_Wood_Loading Medium_Intensity_Wood_Loading High_Intensity_Wood_Loading Floodplain_Wood_Loading Middle Material Staging S 2_FOOT_CONTOUR_MIDDLE 1 inch = 399.91 feet

LOG<14" =43

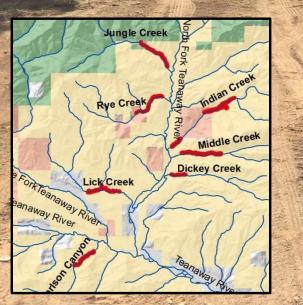
= 46,

= 2, LOG>14"

RW> 25"

16.

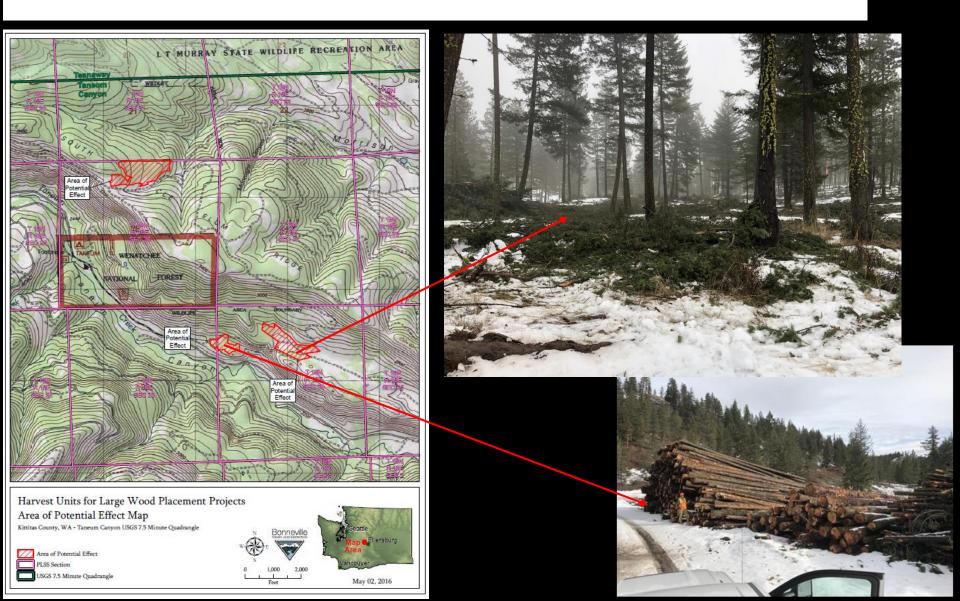
That's a lot of wood!



9,870 Floodplain Logs3,838 Instream Logs1279 Rootwad Logs

14,987 Total

FOREST HEALTH THINNING UNITS



Other Material Sources

- PURCHASED WITH BPA FUNDING
 - SUNCADIA ROAD CLEARING JOB
 - BELSAAS YARD IN ELLENSBURG



- CLE ELUM RANGER DISTRICT:
 - BLOW DOWN FROM KACHESS
 CAMPGROUND
 - ILLEGALLY CUT WOOD FROM MINE SITE ON SWAUK CREEK





2017 TCF Aquatic Restoration Work Implemented

- IN STREAM WOOD

ndian creek

Middle Creek

Jungle Creek

lleure

Iea

Orth Fork

- Floodplain_Wood_Loading
- 1 inch = 2,019 feet

Recent Progress, 2017/2018

1,987 logs and logs with root wads Instream

3,550 logs placed on floodplain surfaces

BEFORE



Indian Creek



Progress - Indian Creek

- 2.2 miles of instream wood
- 40 acres of floodplain enhancement









Photo By: Zack Mayes, Yakama Nation



Middle Creek

Photo: Colin DeKnikker

Progress - Middle Creek

- Middle Creek- 100% complete
 - · 1.1 miles of instream wood placed
 - · 27 acres of floodplain enhancement



Jungle Creek





AFTER

Progress - Jungle Creek

- Jungle Creek- 90% complete
 - 1.25 miles of instream wood
 - 16 acres of floodplain enhancement



Major Time Constraints

Photo: Tracy Rooney

Major Time Constraints

Jolly Mountain Fire – 1 month work lost

Photo: Tracy Rooney

Major Time Constraints

Jolly Mountain Fire – 1 month work lost

Inadvertent Cultural Resources Discovery- 4 months work lost

Photo: Tracy Rooney

Next steps



Next steps

Mainstem Teanaway Forks Restoration

Fish Passage Barrier Assessment

Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual



WASHINGTON DEPARTMENT OF FISH & WILDLIFE

HABITAT PROGRAM

Technical Applications (TAPPS) Division

TCF Fish Passage:

- Removed 9 Barriers to date
- Opened ~5.4 miles of habitat



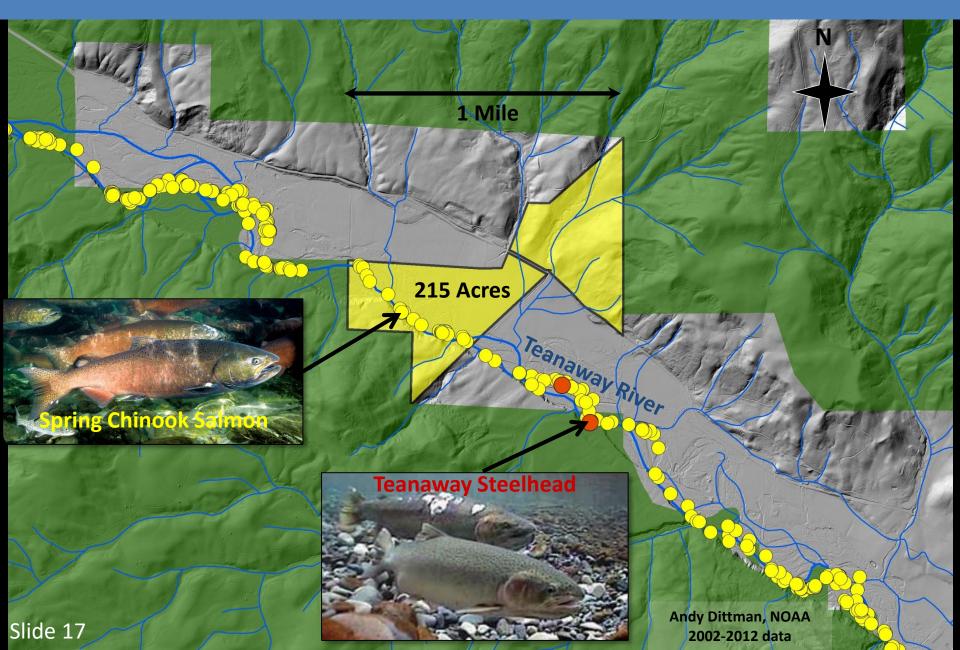
Teanaway Community Forest Fish Passage Barriers





Road Abandonment: 32.9 miles road abandoned

Teanaway Property – WDFW Acquisition



Matching Funds:













Questions ?

