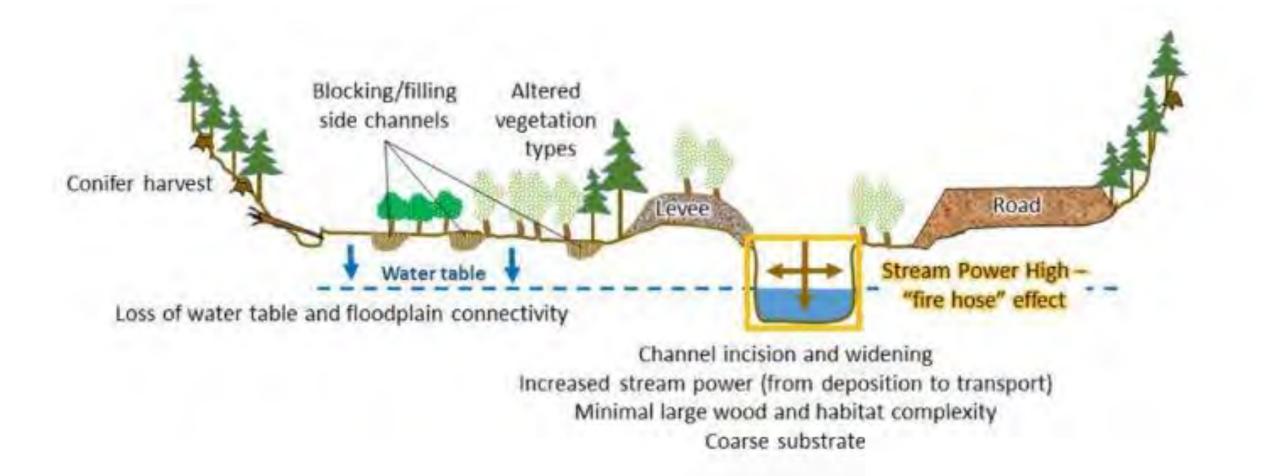


### Wood Fiesta: The Yakima Basin Helicopter Aquatic Restoration Effort

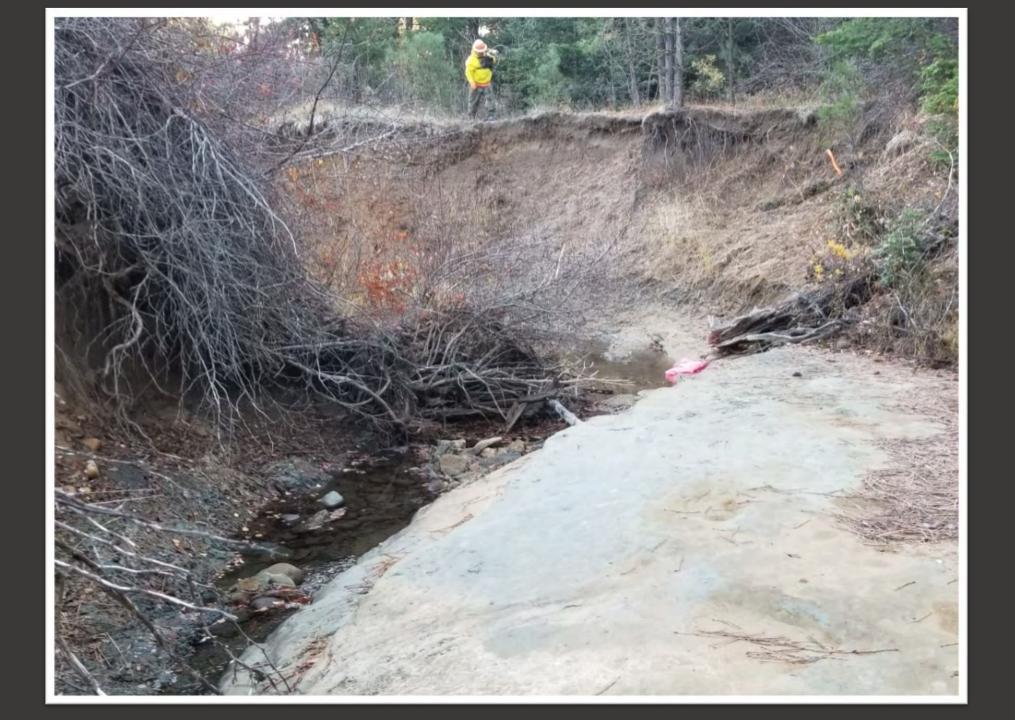
Shannon Adams, Wilbur Barrick, Ashton Bunce, Kelly Clayton, Ryan DeKnikker, Tom Elliott, John Marvin, Scott Nicolai, Connor Parrish, Rebecca Wassell













## AGGRESSIVE HABITAT DESTRUCTION

# FLOOD REHABILITATION

## AGGRESSIVE HABITAT RESTORATION









# We received a large pot of funding that needed to be spent in <1 years time

# W O O D

Yakama Nation & Mid-Columbia Fisheries
Enhancement Group
>6,000 habitat logs
7 Yakima River tributaries F

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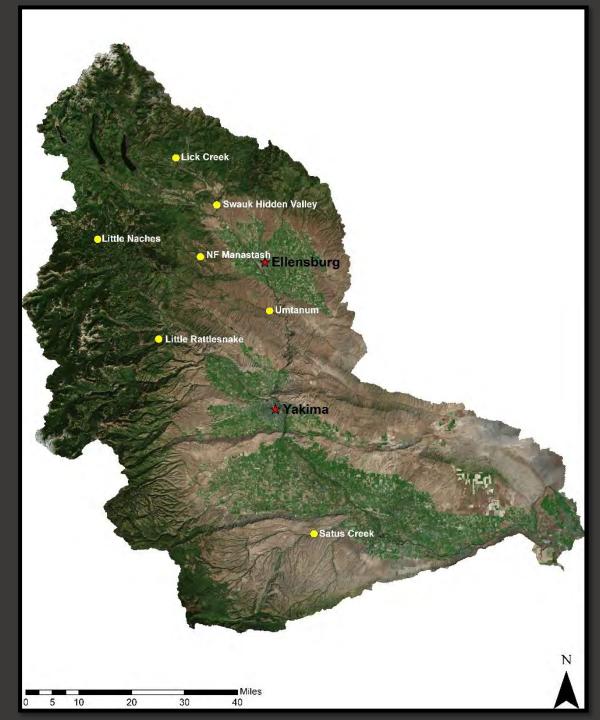
- 24-miles of stream
- <3 weeks time</li>

## Planning for Wood Fiesta

Broad stakeholder meetings

Project specific meetings and site visits with identified project manager and all relevant collaborators

> Biweekly phone calls <u>Thank you Becca</u>!

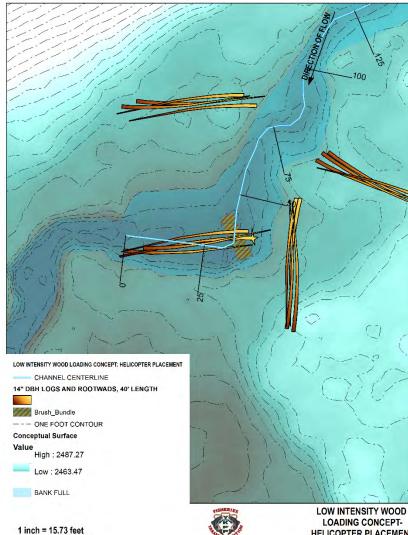


- Lick Creek 650+ habitat logs in 1.5 miles
- Swauk Creek 550+ habitat logs in 1 mile
- Little Naches 1000 habitat logs in 1.5 miles
- Umtanum 1000 habitat logs in 4.5 miles
- Little Rattlesnake 500 habitat logs in 5 miles
- NF Manastash 2000 habitat logs in 7.5 miles
- Satus Creek 400 habitat logs in 3 miles

#### **High Intensity**

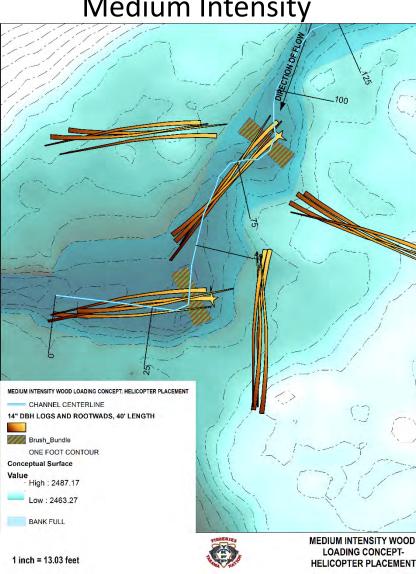
#### **Medium Intensity**

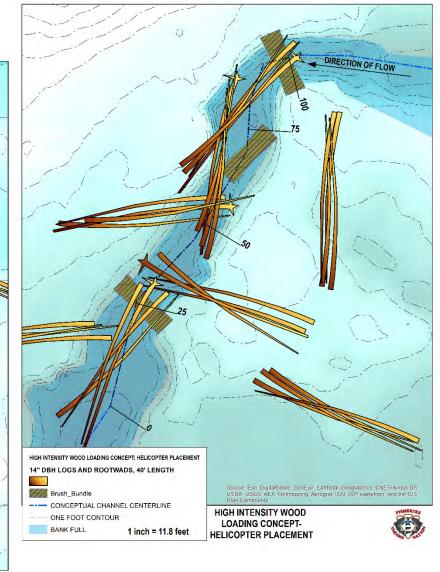
#### Low intensity



LOADING CONCEPT-

HELICOPTER PLACEMENT





1 inch = 15.73 feet



## Permitting, Agreements & Contracts

#### Umtanum (WDFW)

- BNSF (Railroad) Flagger Request
- SEPA
- HPA
- HIPIII
- Section 106
- MOA with WDFW for source wood harvest, delivery & staging
- Contract with BFI for reseeding
- BLM CRS addendum for staging
- Contract with Northern Wasco Co. PUD

#### Little Rattlesnake (DNR)

- DNR Aquatics Land-Use License
- DNR Uplands Land-Use License
- USFS Road-Use Permit
- SEPA
- HPA
- HIPIII
- Section 106
- Contract for delivery & staging
- Wood Acquisition
- MOA between YN & MCF

#### NF Manastash (WDFW & DNR)

- SEPA
- HPA
- HIPIII
- MOA with WDFW for source wood harvest, delivery, staging & reseeding
- Section 106
- DNR Aquatics Land-Use License
- MOA between YN & MCF
- Contract with Northern Wasco
   Co. PUD

#### Lick Creek (TCF)

- SEPA
- HPA
- HIPIII
- Section 106
- Contract for source wood harvest, delivery & staging

#### Swauk Creek (Private Ownership)

- 3 Landowner Agreements
- Additionally Insured on Yakama Nation Policy
- MOA with WDFW for source wood harvest, delivery & staging
- HPA
- HIPIII
- Section 106
- USFWS Partner's Addendum

#### Little Naches (USFS)

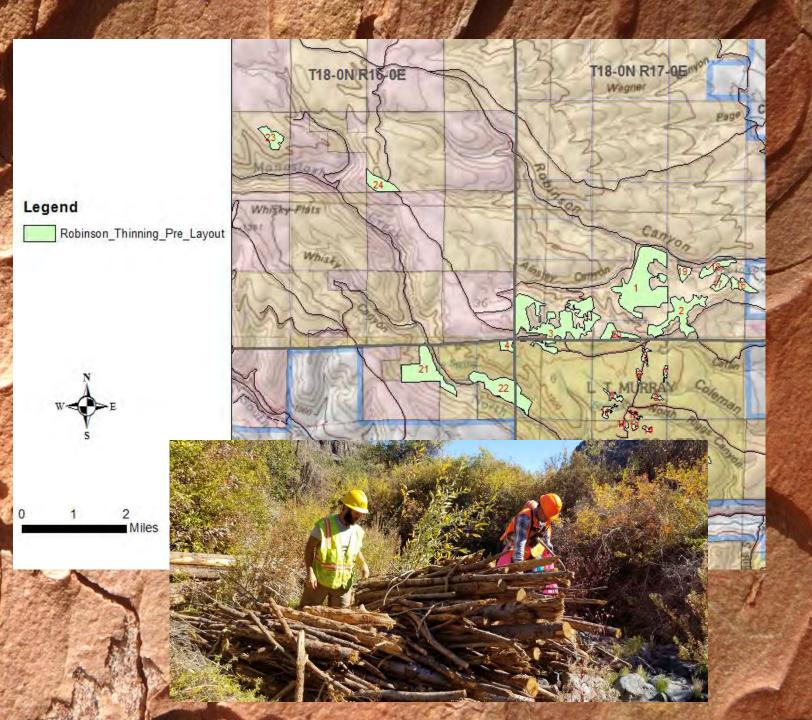
- NEPA CatEx
- ARBO
- HPA
- Contract with TNC
- Section 106
- Supplemental Project Agreement with USFS
- MOA between YN &
   MCF

#### Satus Creek (Yakama Reservation)

- Water code permit
- Section 106
- HIPIII
- Contract for source wood harvest, delivery & staging

## Source Wood

- A large portion of wood came from units thinned for forest health and fire resiliency
  - L.T. Murray provided wood for Swauk, Umtanum, and NF Manastash
  - TNC ownership provided wood for Little Naches
  - Reservation provided wood for Satus
- Additional wood was purchased
- WCC cut and bundled small diameter trees/slash



## Wood Staging



| Stelindex | enter your sea |
|-----------|----------------|
|           |                |

arch terms here.... SEARCH

Honor Protect Restore News About Us

Show project map

#### Yakima Basin "Wood Fiesta"

Home

Harvest

#### Project abstract:

The Yakima Basin "Wood Fiesta" Helicopter Aquatic Restoration project is a multi-watershed collaborative effort aimed at enhancing aquatic habitat in remote watersheds that have been greatly altered by past management practices. Large wood will be placed in stream and on the floodplain of seven Yakima River tributaries using a helicopter to improve habitat for native fish species. The projects are located in remote areas where terrain and or vegetation limits the use of ground-based equipment to place large wood. More information on these projects and associated temporary impacts to public access can be found below.

Click here to watch a video about the Wood Fiesta effort

#### Project locations and temporary restrictions to public access:

Restrictions to public access are required during implementation due to hazardous conditions including falling trees and other debris. (Check back as this table will be updated regularly with new developments)

| Project<br>Location | Description   | Recreational Impacts   |
|---------------------|---|--|
| Lick Creek          | Project will restore 1 mile<br>of Lick Creek with 500<br>habitat logs, beginning<br>approximately 1.5 miles<br>from the confluence with<br>the NF Teanaway River. | No major impacts.<br>Project is planned for<br>October 15, 2018  |
| Swauk Creek         | Project will restore 1<br>mile of stream with 500<br>habitat logs within the<br>lower 4 miles of Swauk<br>Creek.  | No major impacts. This<br>project is located on<br>private property and is<br>planned for the October<br>13, 2018. |
|                     |   | The Umtanum Creek<br>Recreation Site,  |



#### Status: Completed 10/01/2018 to 11/15/2018 Lead Project: Yakima Klickitat Fisheries Project (YKFP) Activity: <u>Restoration</u> Targeted Populations: <u>Mid Columbia River Steelhead</u> <u>Spring Chinook</u> <u>Coho</u> <u>Lamprey</u> <u>Westslope Cutthroat Trout</u>

In partnership with:

## Outreach

#### Yakima Basin "Wood Fiesta" Helicopter Aquatic Restoration

The Yakama Nation and its partners are planning a large scale restoration effort in the <u>fall of 2018</u>. Helicopters will be used to place wood in streams and an floodplains to enhance habitat for native fish. Projects will result in temporary closures to recreational access this fall.



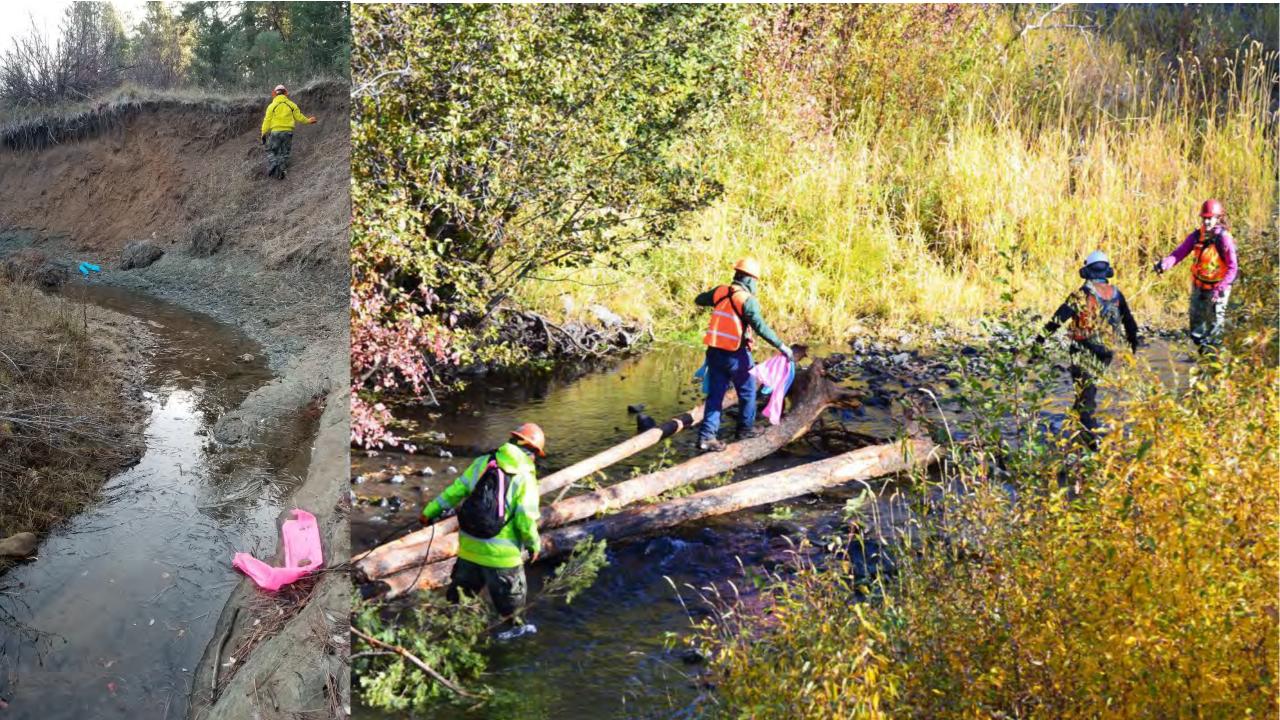






KEEP CALM IT'S GAME DAY















## Media Coverage



contribute (https://give.opb.org/opb/)

News

#### Environment (/News/Topic/Environment/) Helicoptering In Logs For The Northwest's Largest **River Restoration**

by Courtney Flatt (/contributor/courtney-flatt/) (Follow) NWPB/EarthFix Nov. 6, 2018 2 p.m.



5,000 logs will be dropped into Yakima River tributaries to enhance ecosystem

Follow



5,000 logs will be dropped into Yakima River tributaries to enhance ecosystem The "Wood Fiesta" airliff will place logs in Yakima River tributaries to help habitat and protect against wildfire and flooding damage. The effort should benefit the ecosys... scutterines.com

8:03 PM - 29 Sep 2018

24-mile stream enhancement project lifts off ning this week, natural r te what is arguably and forests. The effort, dubbed The ima River Wood Fi-Helicopter Aquatic ration Project is a watershed efforthat have wate: altered by beer ment prac his month and no ma Nation and its rs are placing le m and on the floor n Yakima River / orth Fork M e Teanaway's Lick itanum Creek e Naches River, Li

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Yakama Nation Fishe The Wood Fiesta effor sique in that the proj Dro plan project locaand Wildlife (WDFW), The s mentioned earlier in

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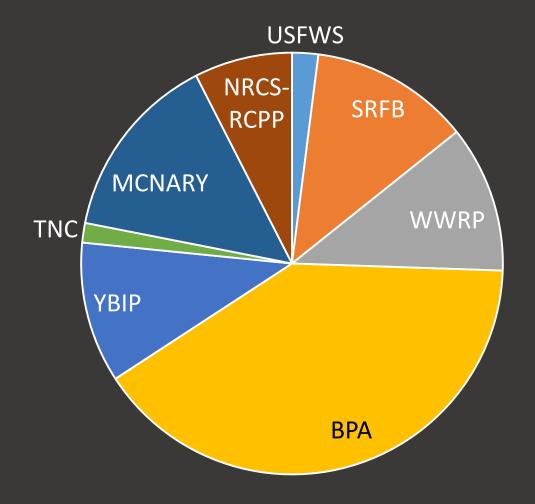








## FUNDING SUPPORT



## THANK YOU TO OUR PARTNERS!!!!!!!!!!





# Questions?