

# TEANAWAY COMMUNITY FOREST RESTORATION & MANAGEMENT



March 14th, 2018  
YRBWEP Workgroup Meeting



Scott Nicolai



William Meyer, WDFW YBIP  
Jeff Burnham, WDFW



Larry Leach, DNR

# Partnerships



Public & Teenaway Advisory Committee

# Teanaway Accomplishments

March 2018 update:

**Goal 1: Water**



**Goal 2: Working Lands**



**Goal 3: Recreation**



**Goal 4: Fish & Wildlife**



**Goal 5: Community Partnerships**

# Teanaway Accomplishments

March 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 ~7+ miles of livestock fencing (2017)
- 152 acres shaded fuel break
- 280 acres pre-commercial thinning



## Goal 3: Recreation

- Recreation Planning complete May 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 80% complete



# Goal 1: Water



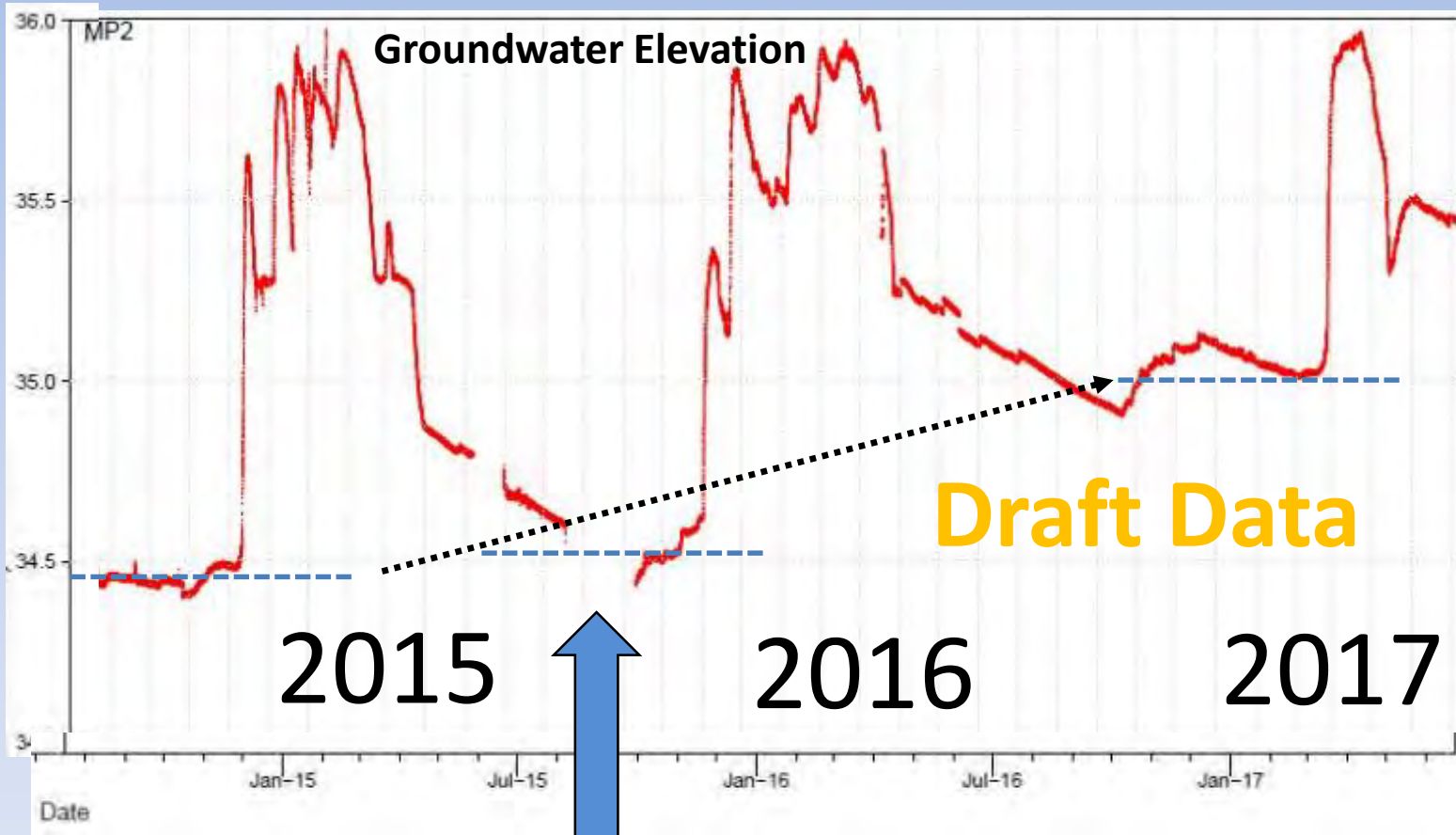


2015-2017  
Treated ~80 acres

2018  
Treat ~70 acres

# Indian Creek Groundwater Monitoring

*\*Preliminary Results:*



# Fine Sediment Treatment



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



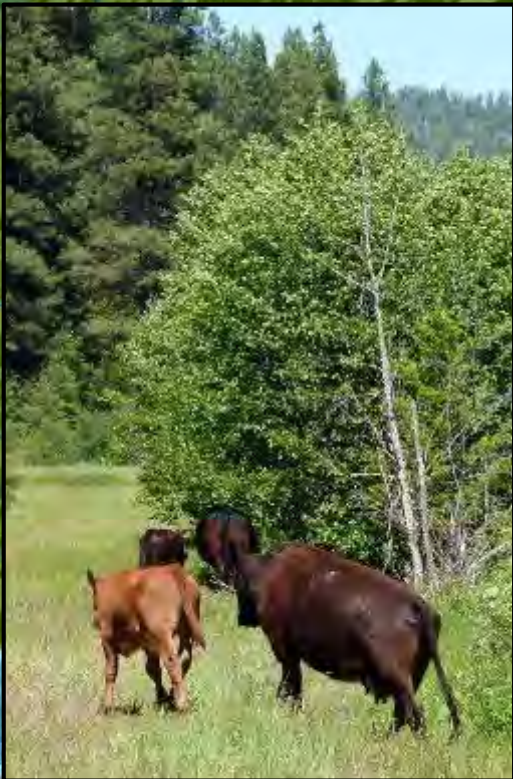
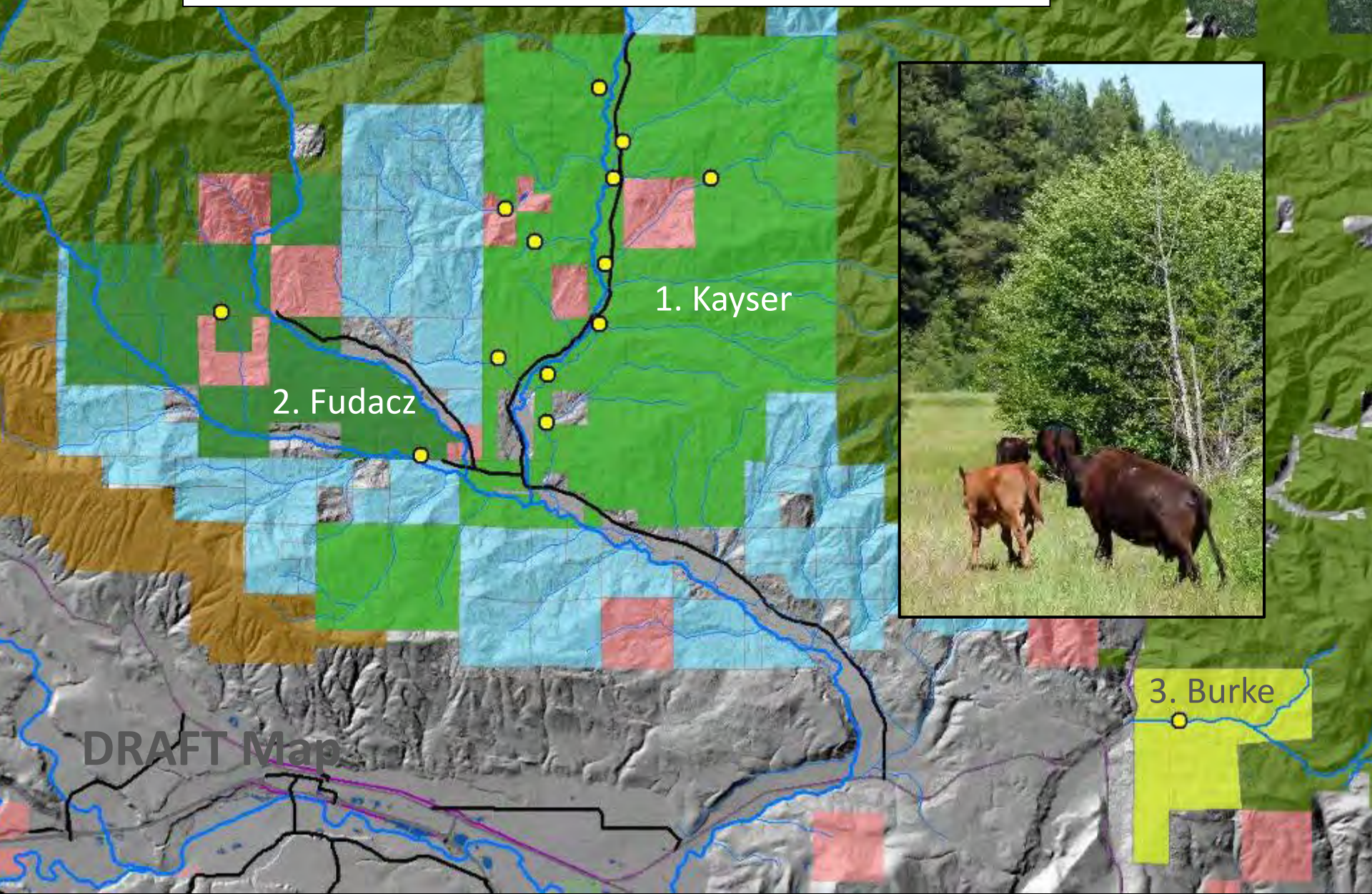


# Goal 2: Working Lands



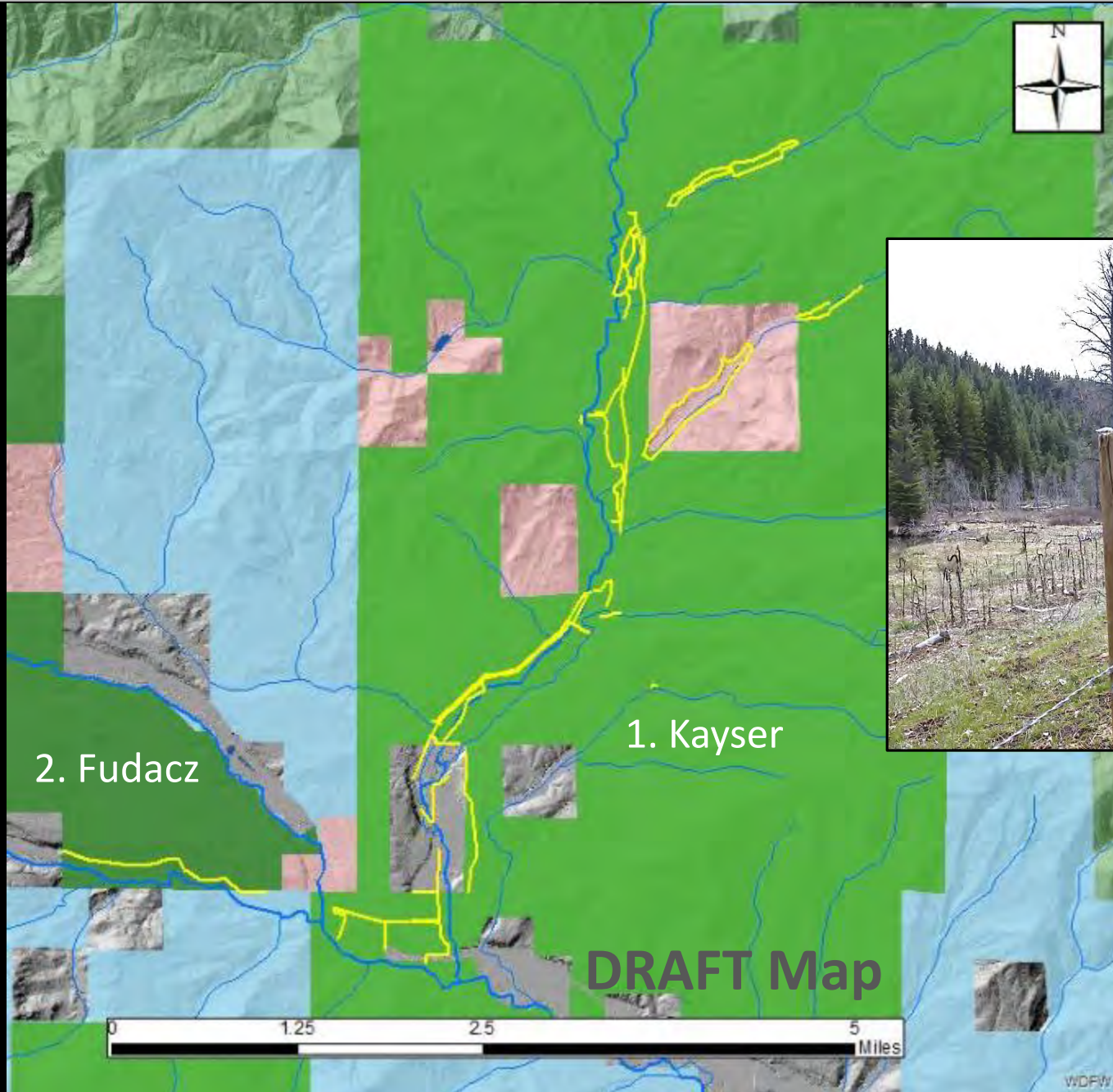
NF Teanaway

# Working Lands: Grazing - 3 Leases



3. Burke

# Floodplain fencing: ~7+ miles of fence constructed



Note: all phases of fencing shown



# TCF Monitoring Results 2017

Riparian monitoring point – Shirk Cr.



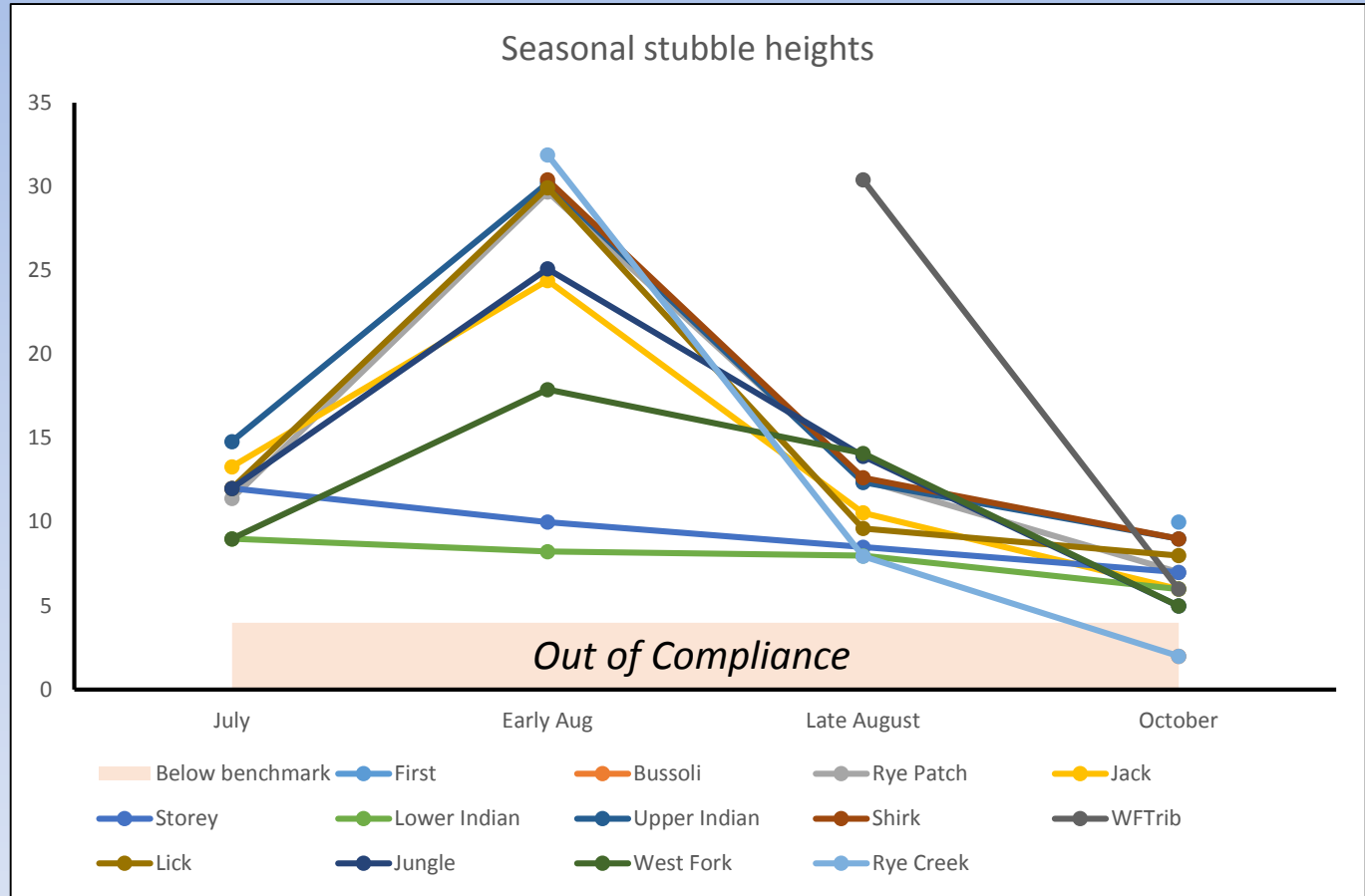
Upland monitoring point – Storey Cr.



# Upland grass monitoring >4" stubble

Site: Compliance:

|              |                                     |
|--------------|-------------------------------------|
| Jungle       | <input checked="" type="checkbox"/> |
| Jack         | <input checked="" type="checkbox"/> |
| Rye Creek    | <input type="checkbox"/>            |
| Rye Patch    | <input checked="" type="checkbox"/> |
| Upper Indian | <input checked="" type="checkbox"/> |
| Lower Indian | <input checked="" type="checkbox"/> |
| Shirk        | <input checked="" type="checkbox"/> |
| Lick         | <input checked="" type="checkbox"/> |
| Bussoli      | <input type="checkbox"/>            |
| Storey       | <input checked="" type="checkbox"/> |
| West Fork    | <input checked="" type="checkbox"/> |
| WF Trib      | <input checked="" type="checkbox"/> |
| First Cr     | <input checked="" type="checkbox"/> |

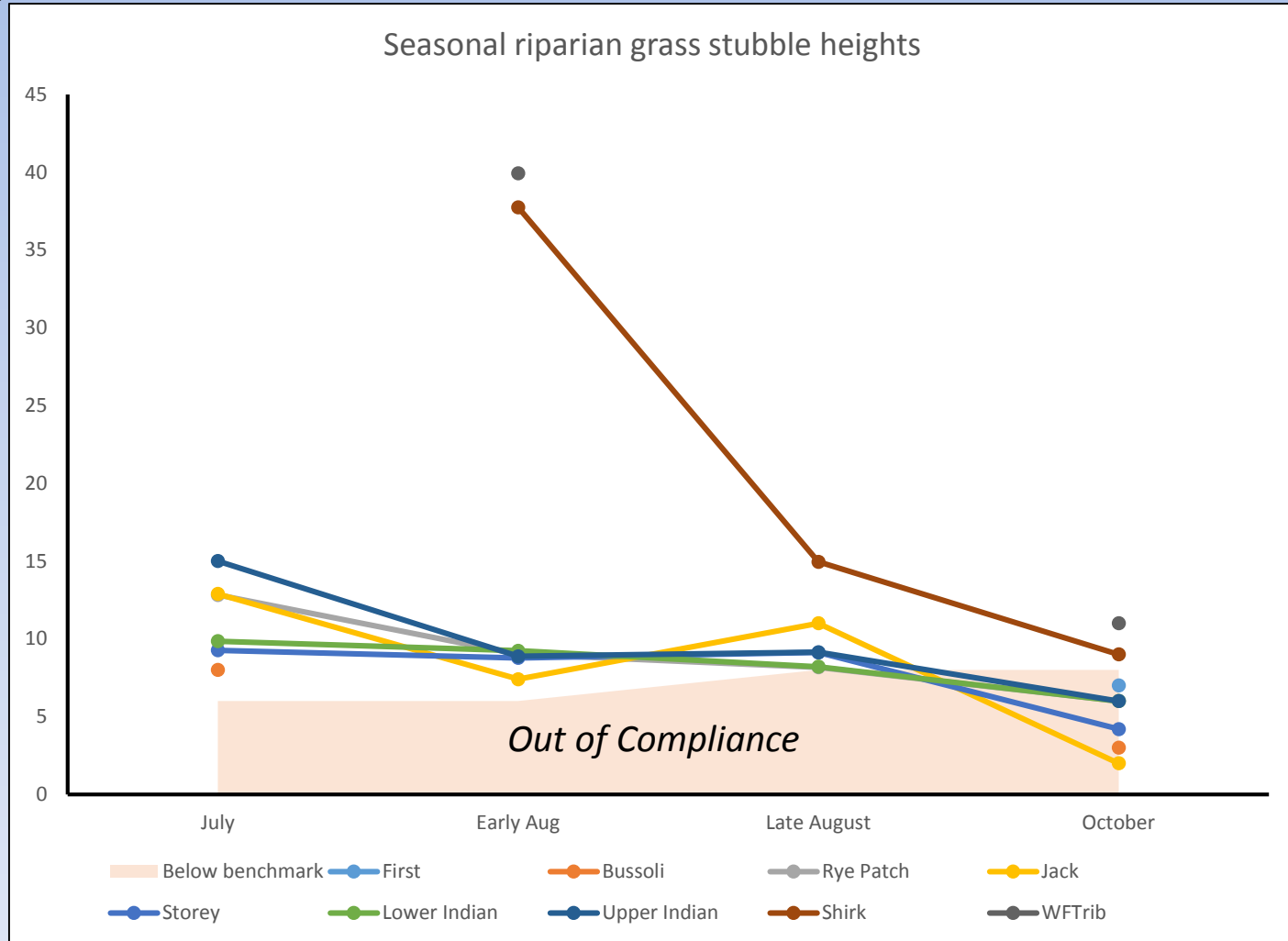


# Riparian grass monitoring >8" stubble

Site:

Compliance:

|              |                                     |
|--------------|-------------------------------------|
| Jungle       | <input checked="" type="checkbox"/> |
| Jack         | <input type="checkbox"/>            |
| Rye Patch    | <input type="checkbox"/>            |
| Upper Indian | <input type="checkbox"/>            |
| Lower Indian | <input type="checkbox"/>            |
| Shirk        | <input checked="" type="checkbox"/> |
| Bussoli      | <input type="checkbox"/>            |
| Storey       | <input type="checkbox"/>            |
| WF Trib      | <input checked="" type="checkbox"/> |
| First Cr     | <input checked="" type="checkbox"/> |

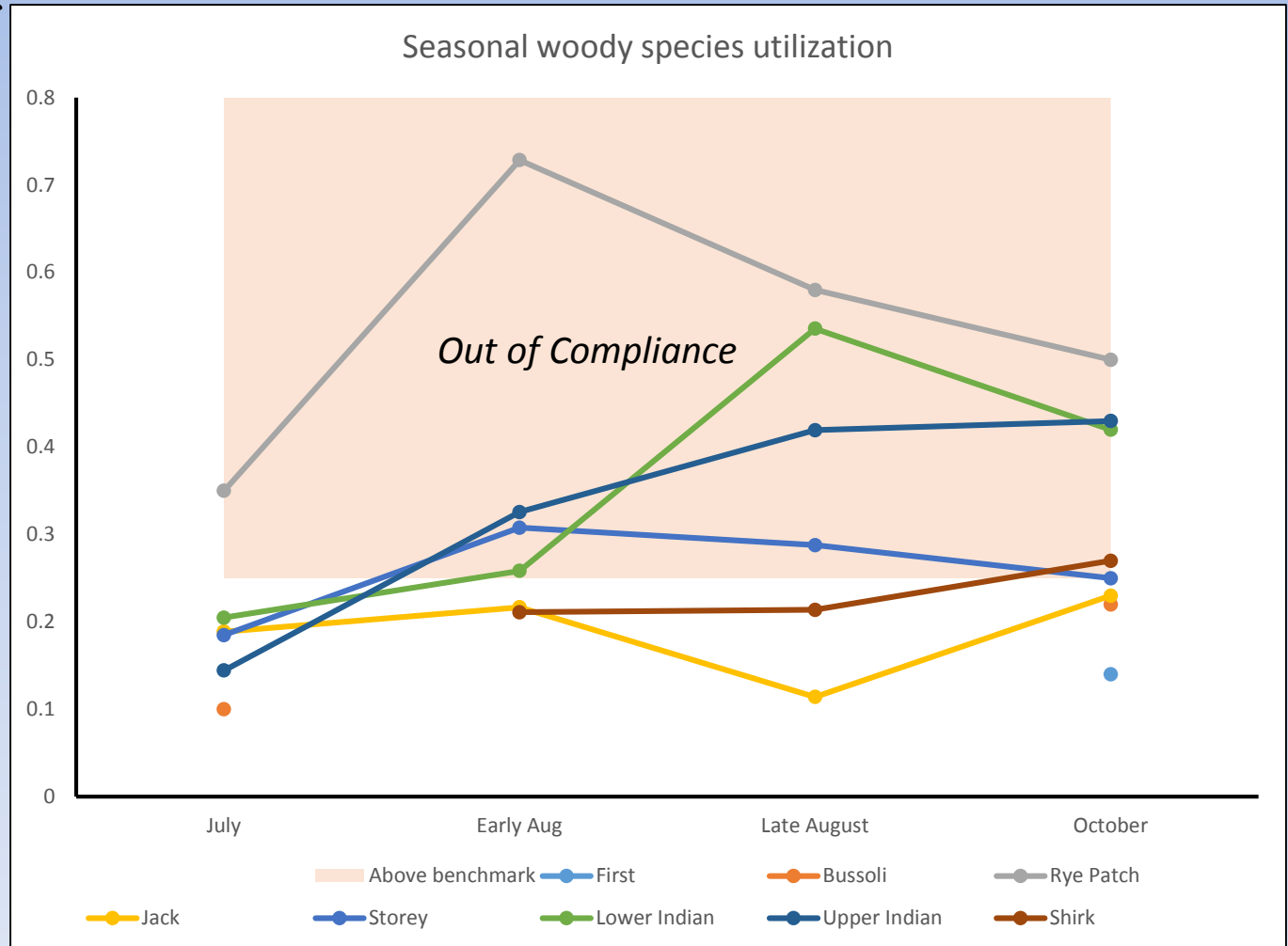


# Woody species utilization <25%

Site:

Compliance:

|              |                                     |
|--------------|-------------------------------------|
| Jungle       | <input checked="" type="checkbox"/> |
| Jack         | <input checked="" type="checkbox"/> |
| Rye Patch    | <input type="checkbox"/>            |
| Upper Indian | <input type="checkbox"/>            |
| Lower Indian | <input type="checkbox"/>            |
| Shirk        | <input checked="" type="checkbox"/> |
| Bussoli      | <input checked="" type="checkbox"/> |
| Storey       | <input checked="" type="checkbox"/> |
| W Fork Trib  | <input checked="" type="checkbox"/> |
| First Creek  | <input checked="" type="checkbox"/> |

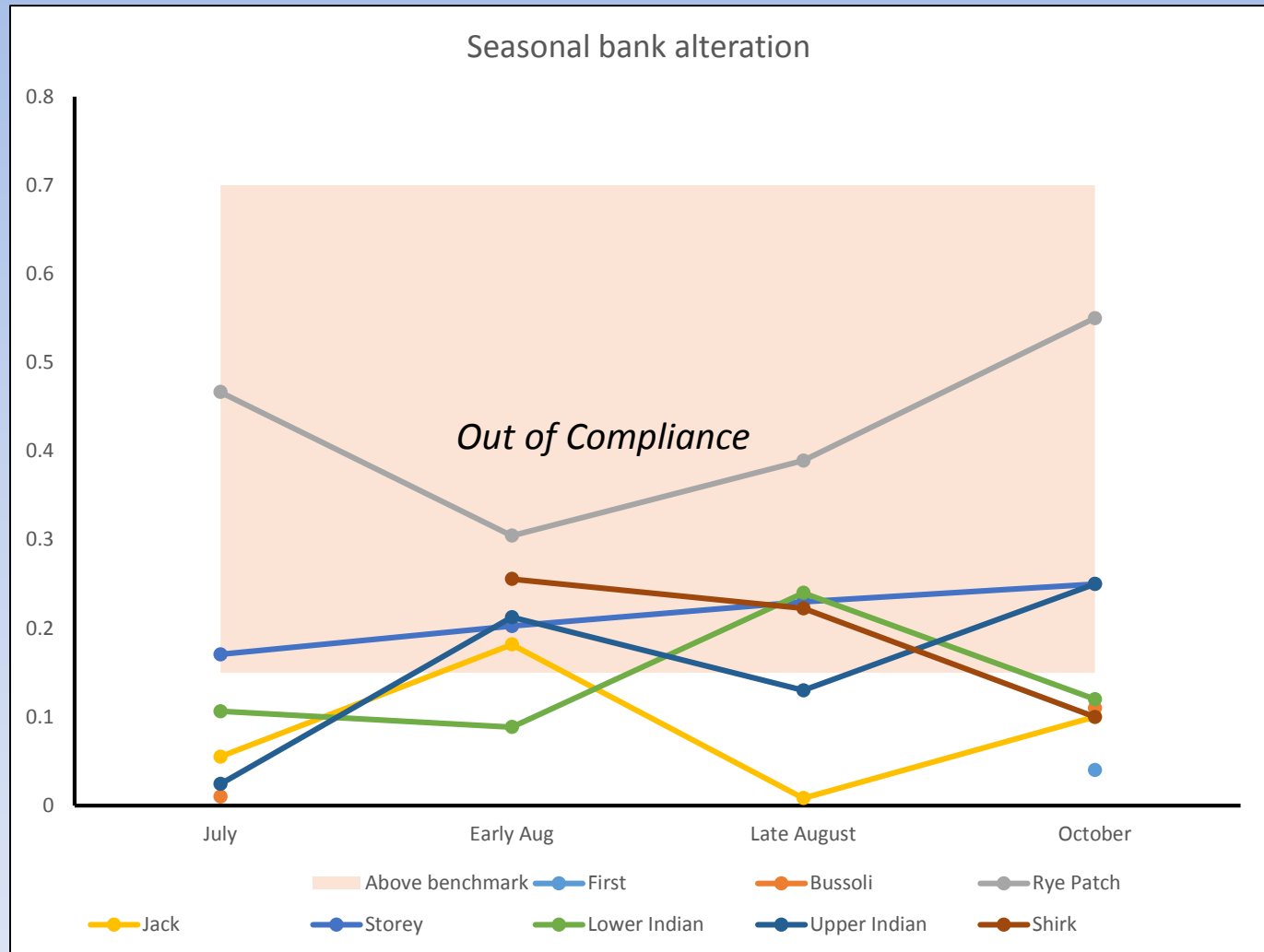




# Bank alteration monitoring <15%

Site: Compliance:

|              |                                     |
|--------------|-------------------------------------|
| Jungle       | <input checked="" type="checkbox"/> |
| Jack         | <input checked="" type="checkbox"/> |
| Rye Patch    | <input type="checkbox"/>            |
| Upper Indian | <input type="checkbox"/>            |
| Lower Indian | <input checked="" type="checkbox"/> |
| Shirk        | <input checked="" type="checkbox"/> |
| Bussoli      | <input checked="" type="checkbox"/> |
| Storey       | <input type="checkbox"/>            |
| W Fork Trib  | <input checked="" type="checkbox"/> |
| First Creek  | <input checked="" type="checkbox"/> |



# Compliance

## Targets

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

# Jolly Mountain Fire 2017

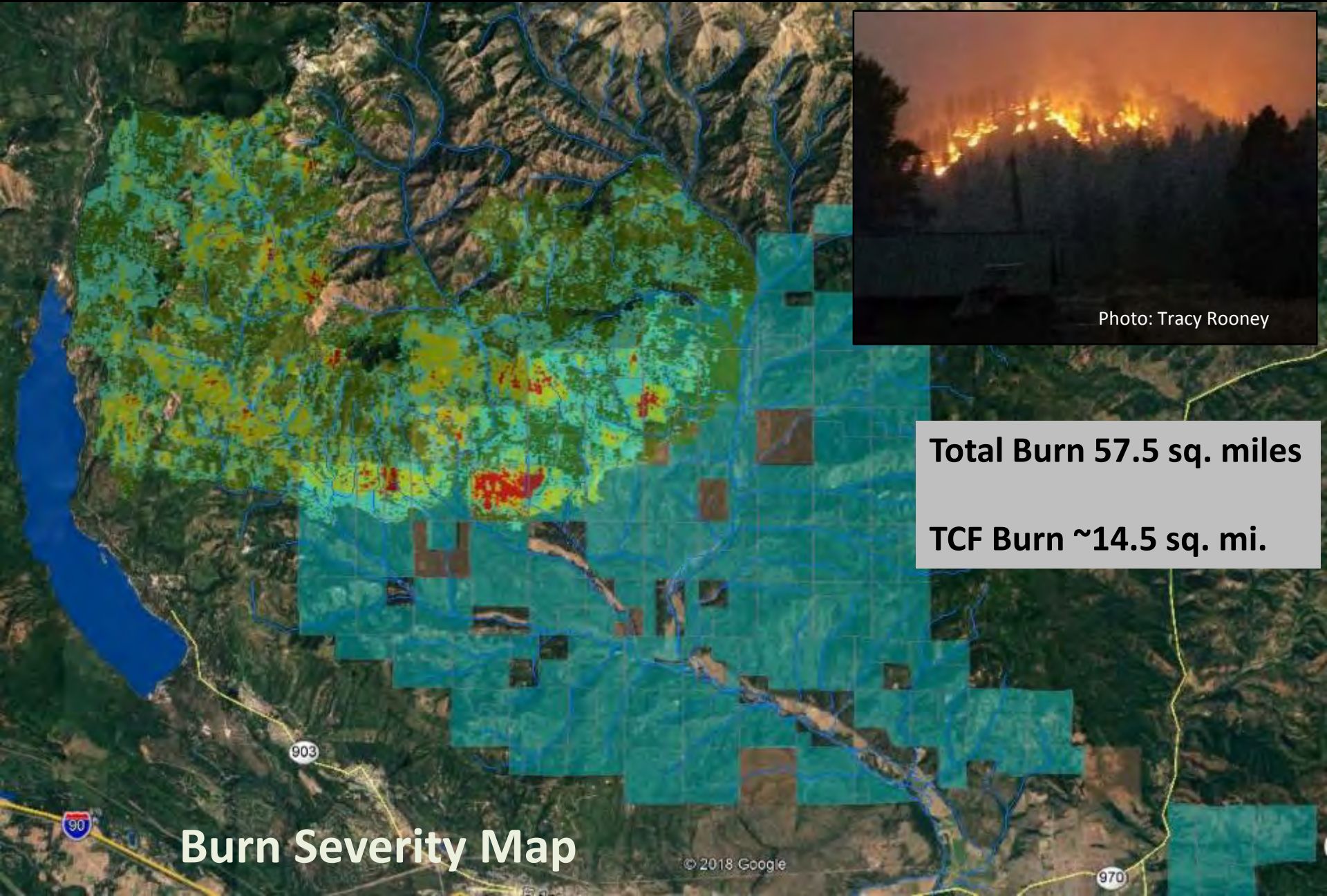


Photo: Tracy Rooney

**Total Burn 57.5 sq. miles**  
**TCF Burn ~14.5 sq. mi.**


**Burn Severity Map**





DNR constructed “shaded fuel break”



A dirt road with visible tire tracks curves through a forest of tall, thin pine trees. The ground is covered in dry grass and fallen pine needles. The sky is overcast.

**2015-2017 \$328K**

280 acres of Pre Commercial Thin  
152 acres of Shaded Fuel Break

**2017-2019 \$125K**

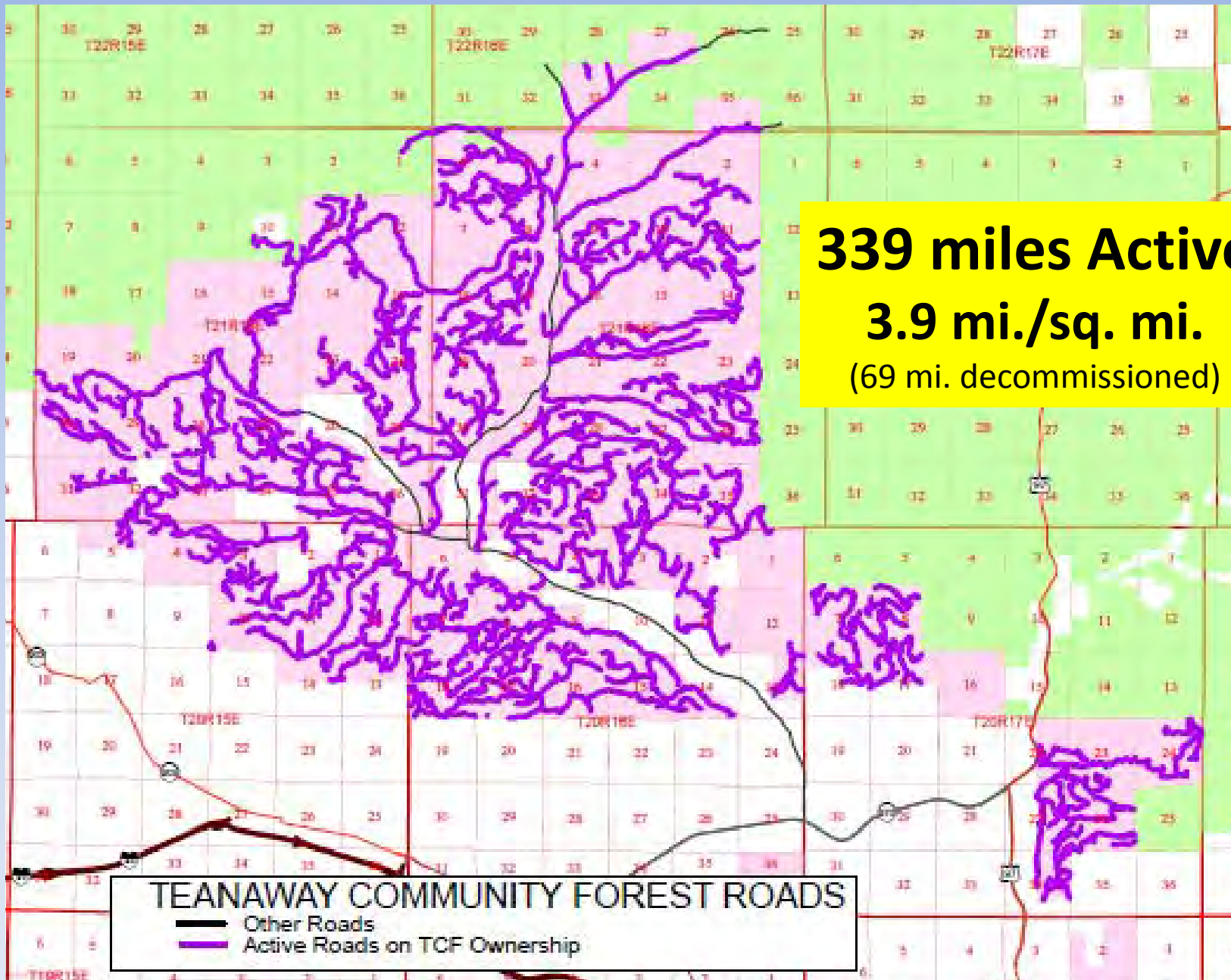
40 acres of Shaded Fuel Break

# TCF ROADS CURRENTLY ACTIVE

**339 miles Active**  
**3.9 mi./sq. mi.**  
(69 mi. decommissioned)

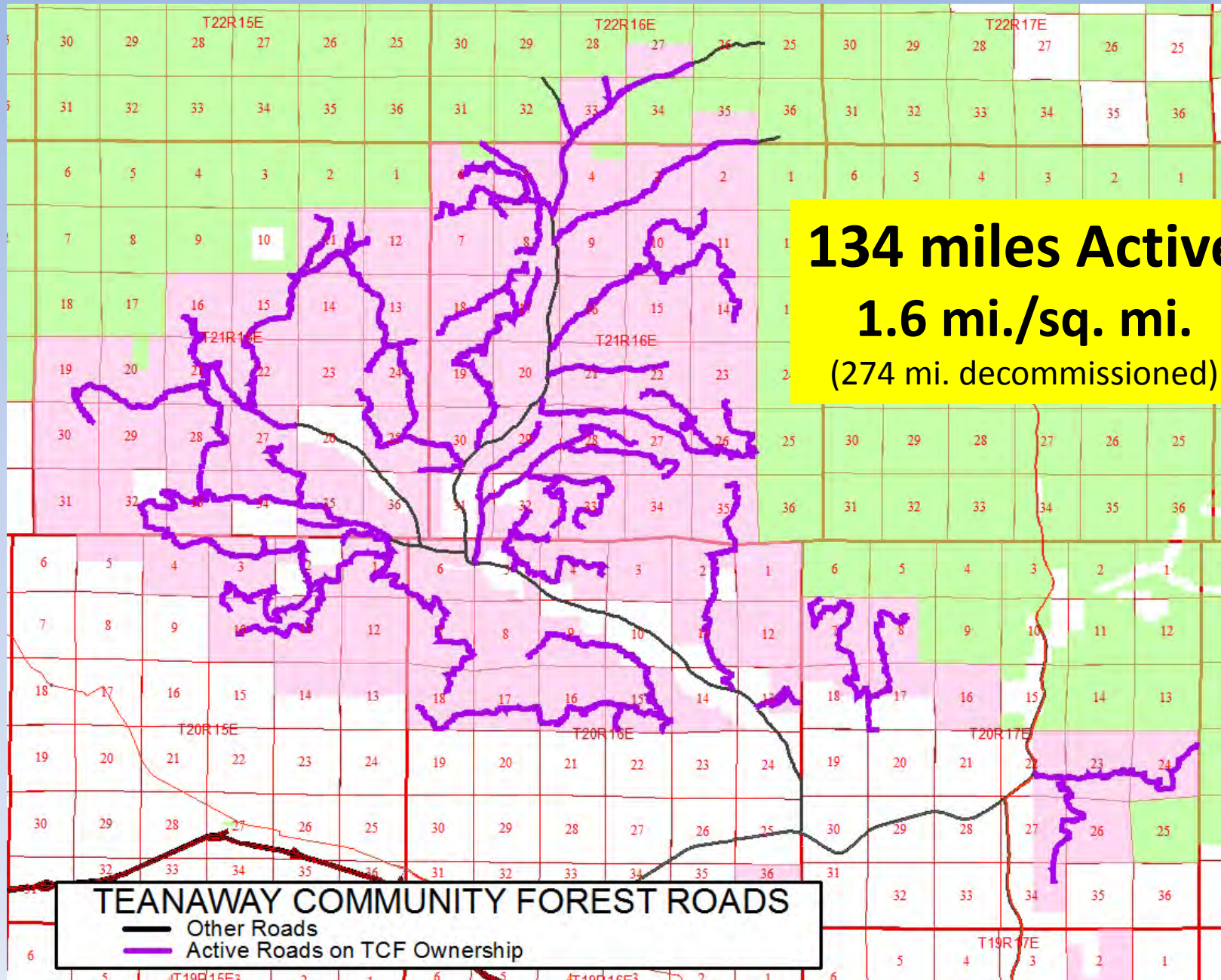
## TEANAWAY COMMUNITY FOREST ROADS

- Other Roads
- Active Roads on TCF Ownership





# TCF ROADS PROPOSED TO BE ACTIVE



# Goal 3: Recreation



**Recreation Planning complete May 2018**  
**Campground improvements**






# Goal 4: Fish & Wildlife

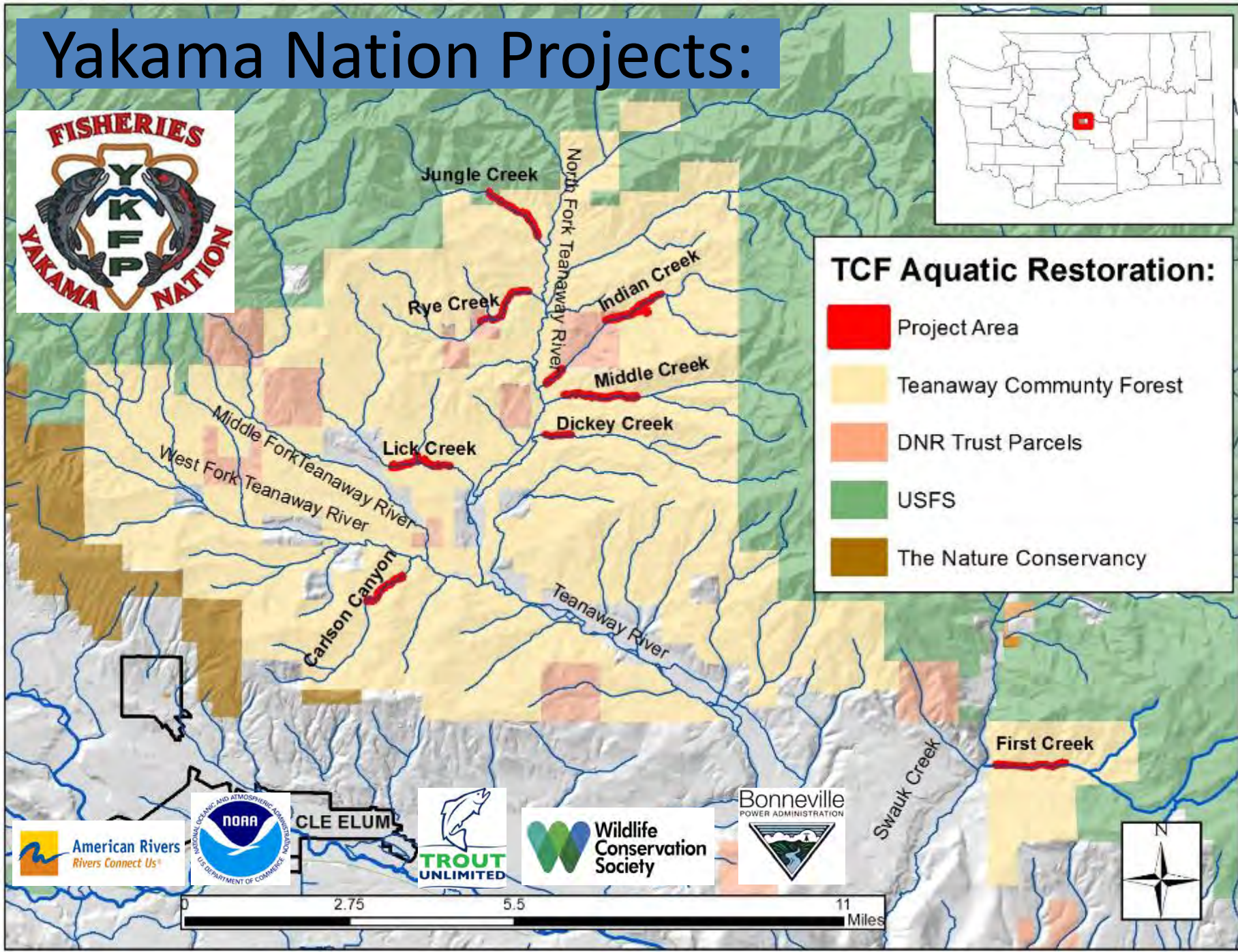


# Yakama Nation Projects:



### TCF Aquatic Restoration:

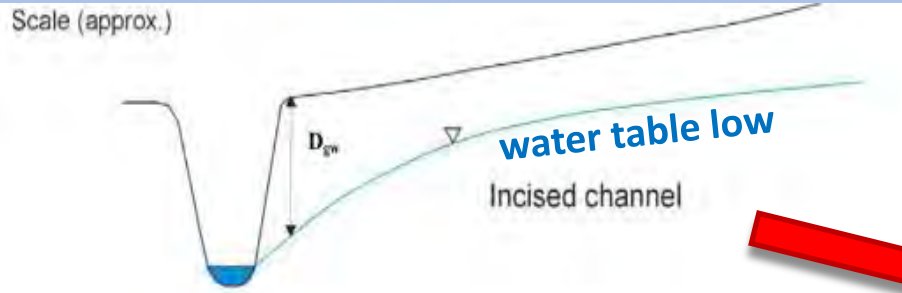
-  Project Area
-  Teanaway Community Forest
-  DNR Trust Parcels
-  USFS
-  The Nature Conservancy



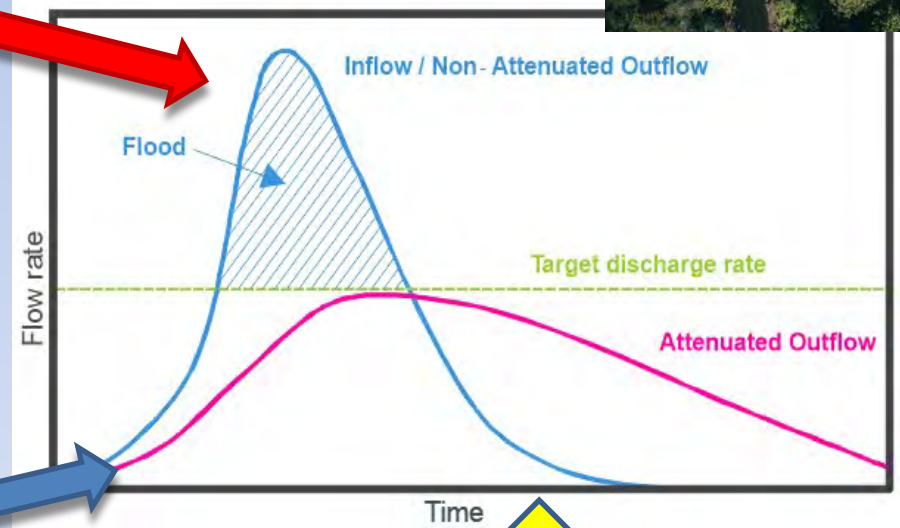
CLE ELUM



# Incised Streams & Hydrograph



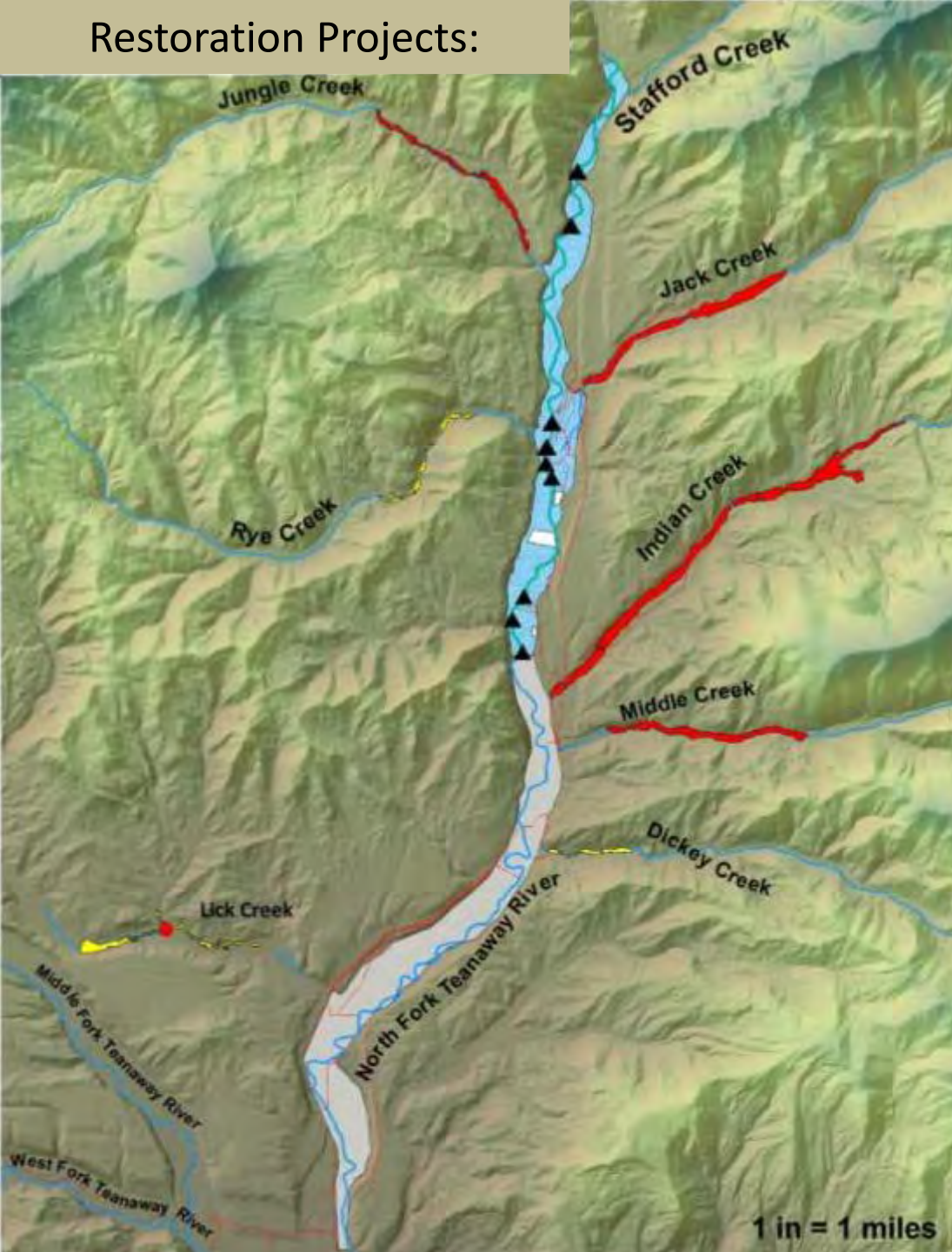
Incised Stream



Un-Incised Stream

Summer

# Restoration Projects:



## Incised Indian Creek



# L.T. Murray Wildlife Area, Thinning



# Indian Creek





# Indian Creek LWH Project



# Middle Creek



# Jungle Creek



# Major Time Constraints



# Major Time Constraints

A photograph of a large fire burning in a forest at night. The fire is bright orange and yellow, with thick smoke rising into the dark sky. The trees in the foreground are silhouetted against the fire's glow. The overall scene is dramatic and intense.

Jolly Mountain Fire – 1 month work lost

# Major Time Constraints



Jolly Mountain Fire – 1 month work lost

Inadvertent Cultural Resources Discovery- 4 months work lost

# Next steps



# 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 8 Barriers to date
- Opened ~5.4 miles of habitat





# Teanaway Community Forest Fish Passage Barriers

Before



Lick Creek Culvert 33% Passable

After



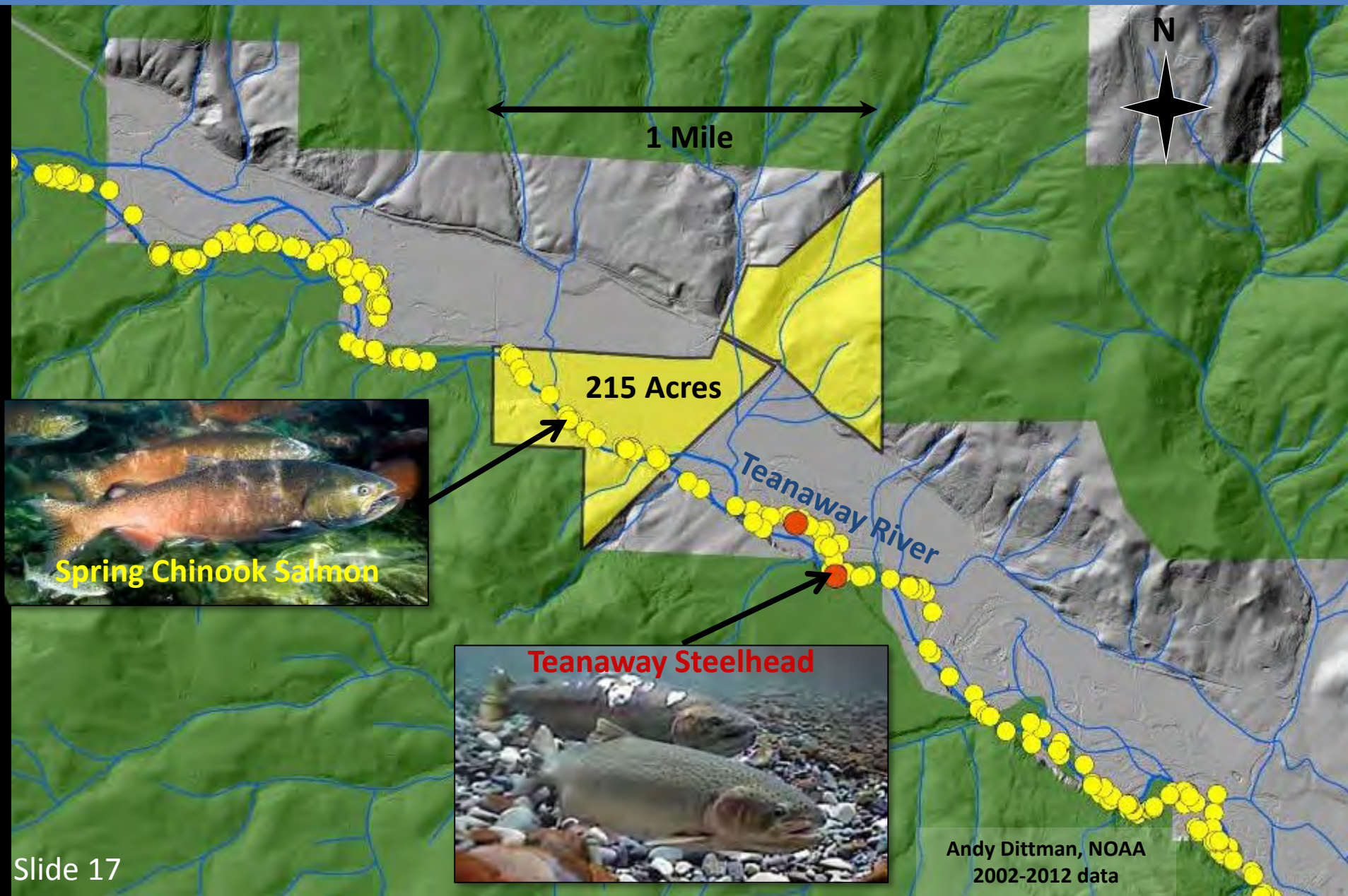
**Road Abandonment:**  
32.9 miles road abandoned



# Matching Funds:



# Teaway Property – WDFW Acquisition



# Questions ?

