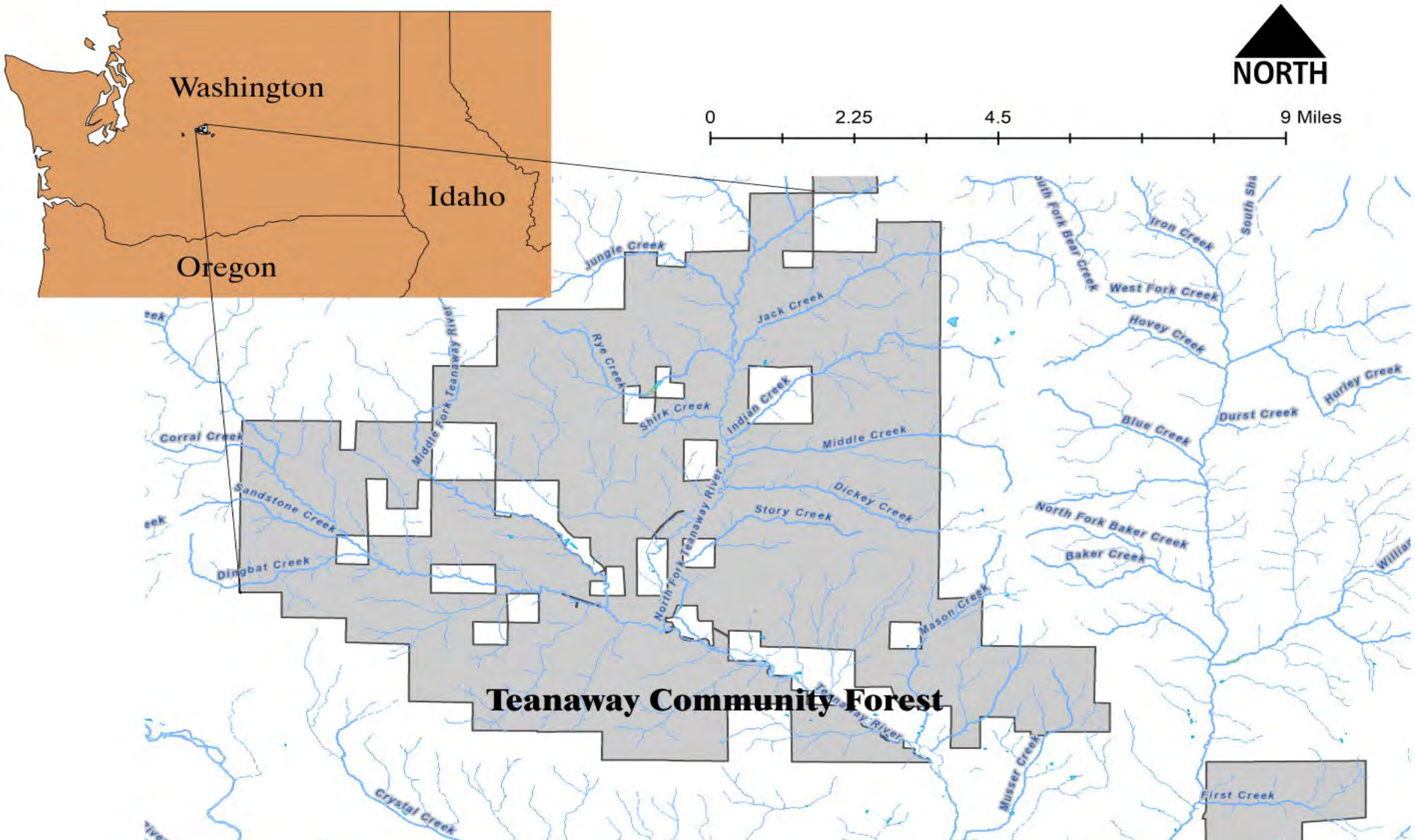
GOING BIG WITH LARGE WOOD

An Example of Landscape Scale Restoration in the Teanaway Community Forest

By: Ryan DeKnikker, Yakama Nation


Washington
Idaho
Oregon
NORTH
0
2.25
4.5
9 Miles
Teanaway Community Forest
Jungle Creek
Jack Creek
Rye Creek
Shirk Creek
Indian Creek
Middle Fork Teanaway River
Corral Creek
Sandstone Creek
Dingbat Creek
Middle Creek
Dickey Creek
Story Creek
North Fork Teanaway River
Mason Creek
Teanaway River
Musser Creek
Crystal Creek
First Creek
Iron Creek
West Fork Creek
Hovey Creek
Hurley Creek
Durst Creek
Blue Creek
North Fork Baker Creek
Baker Creek

A day's train load (40 to 50 cars) of logs ready to leave Casland on the daily eleven mile journey to the junction with

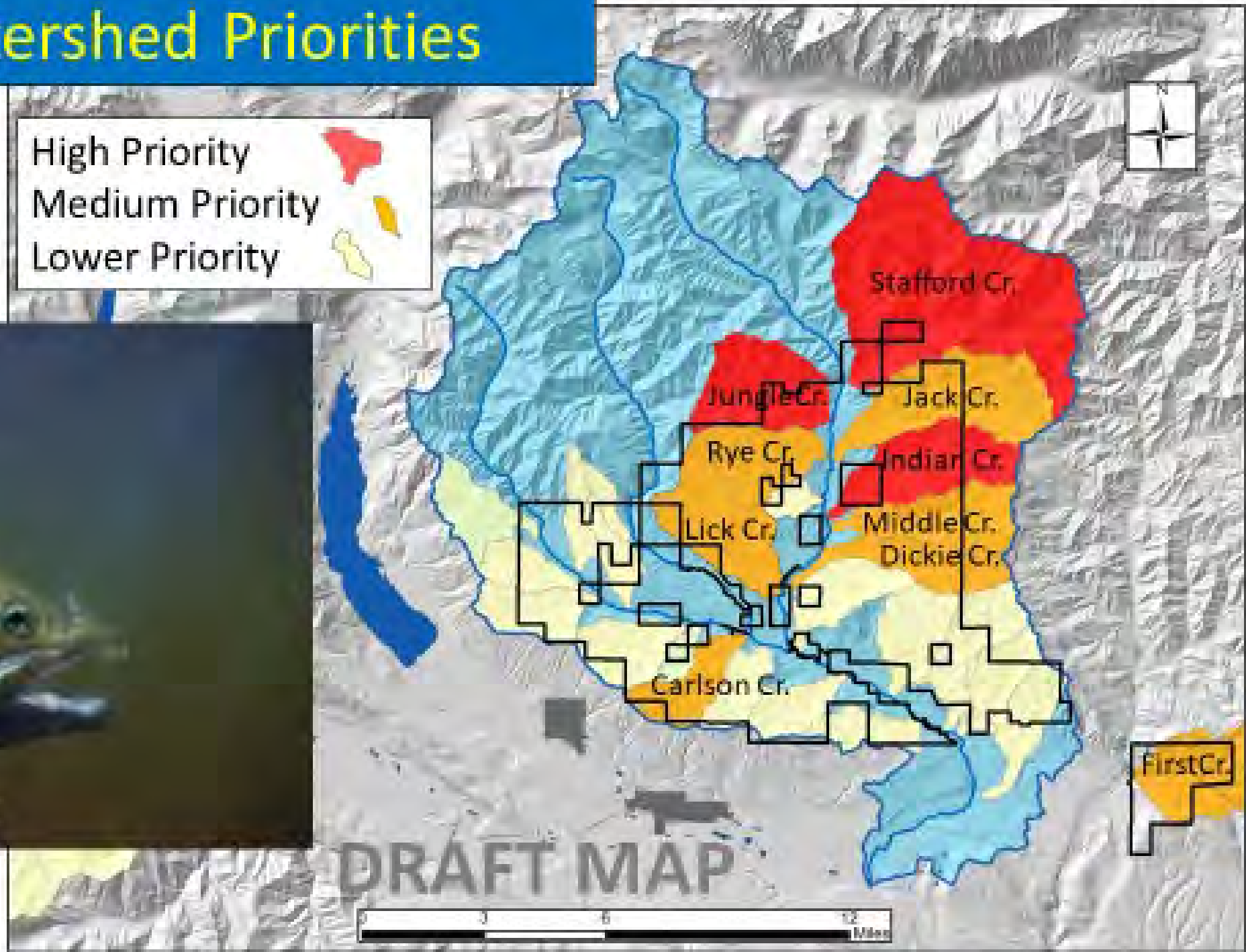
*Note: Former Railroad Alignment

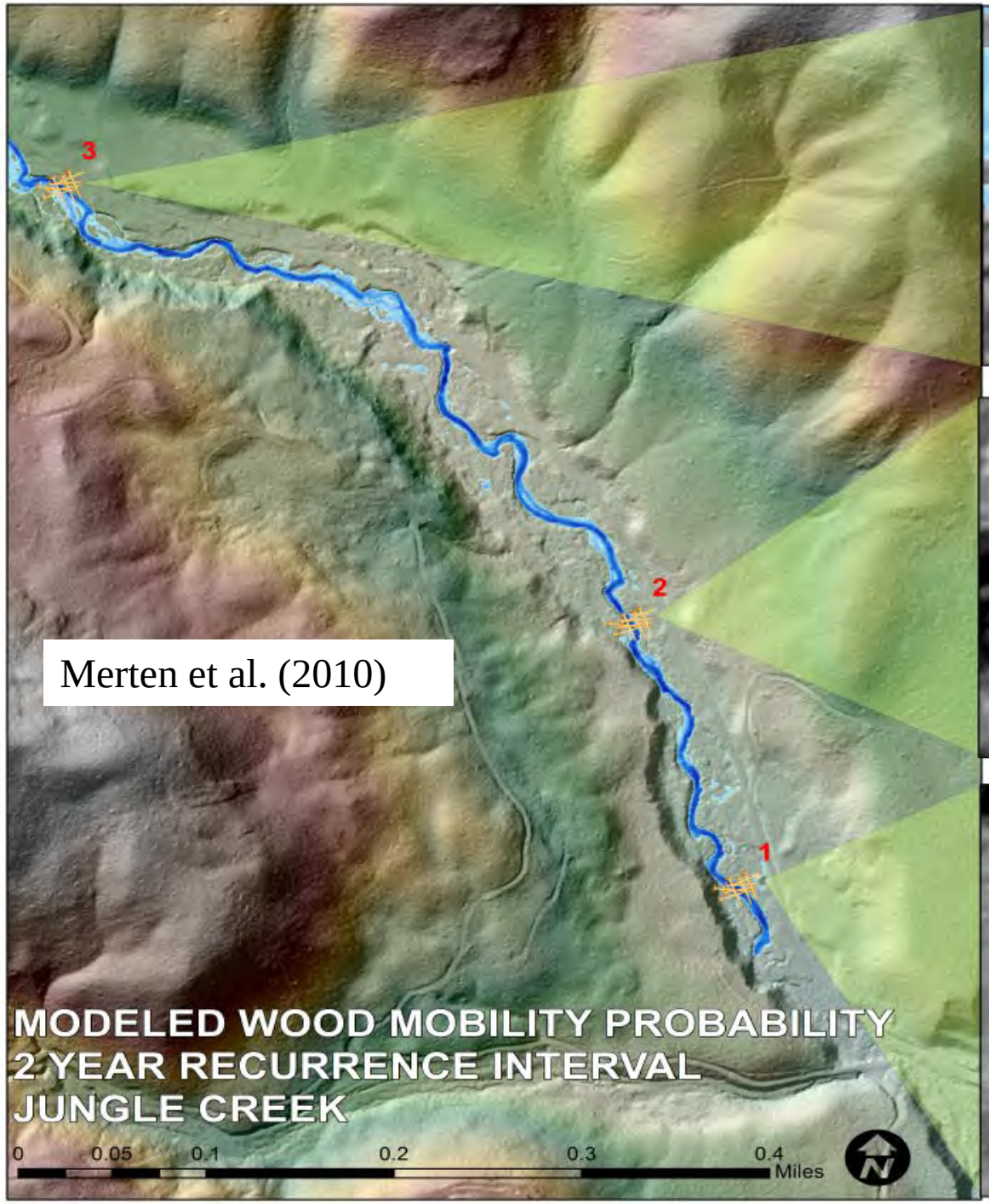
2003

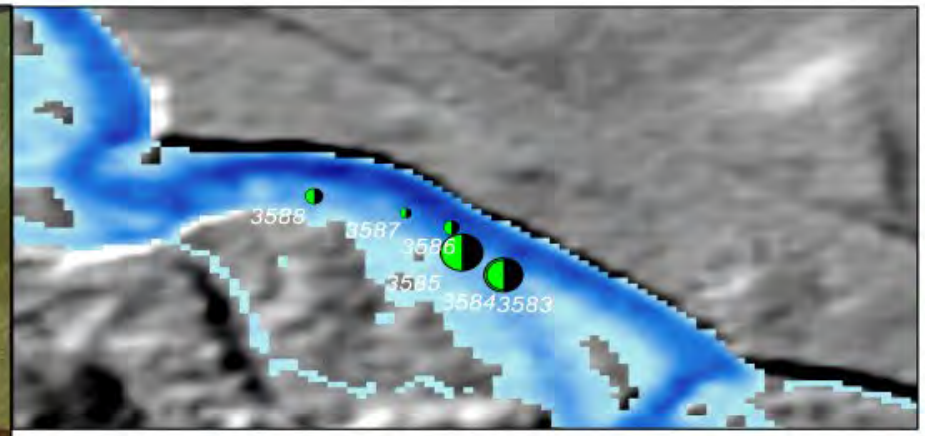
2008
04/30/2008

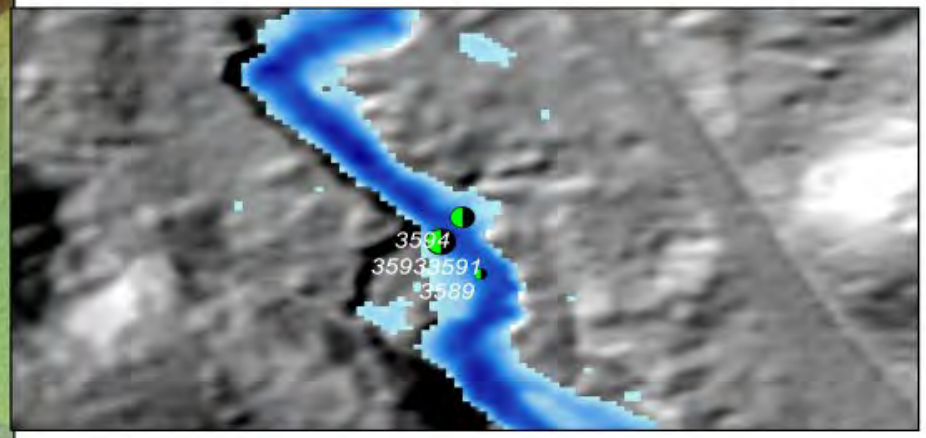
2013

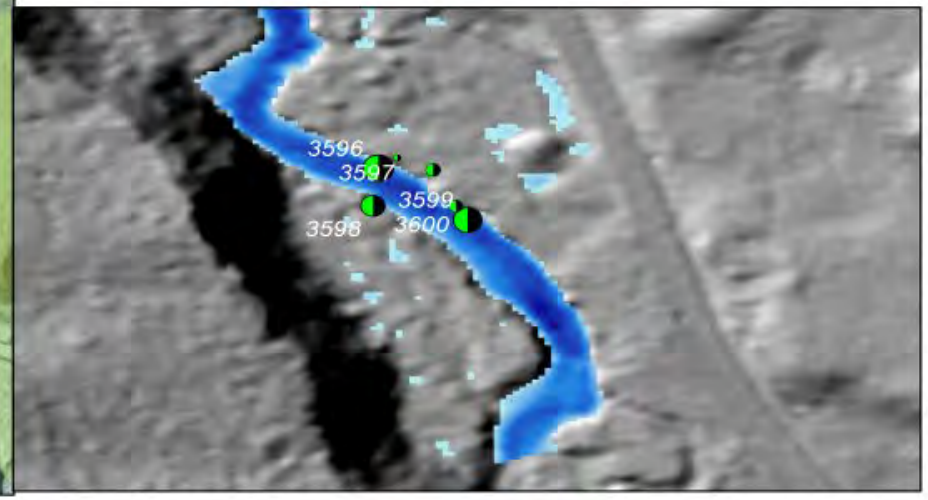
TCF Sub-Watershed Priorities











Legend

Probability of wood mobilization

PM2YR

- 0.01
- 0.025
- 0.05
- 0.075
- 0.1

Depth2YR.tif

Value

High : 4.33398

Low : 0.100098

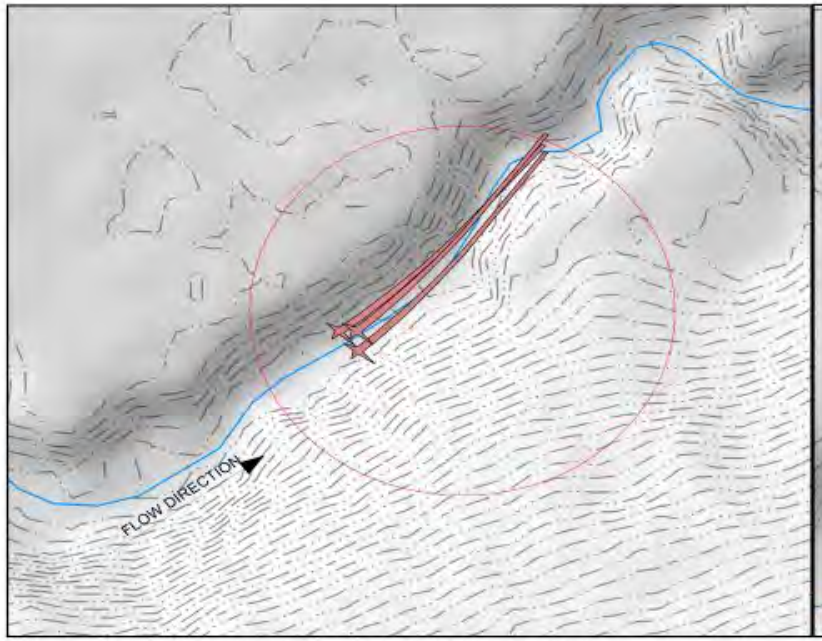
teanaway_community_forest_beh

Value

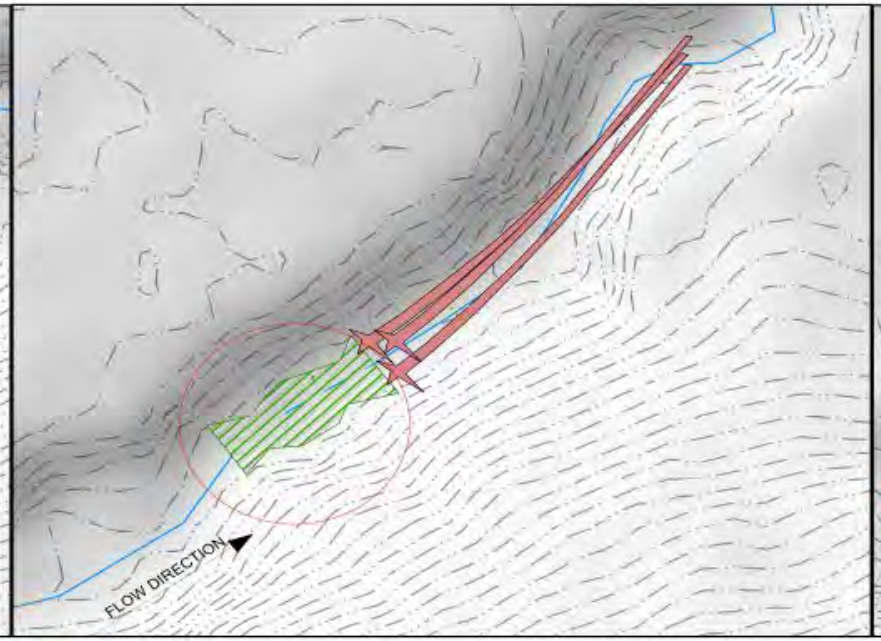
High : 246

Low : 18

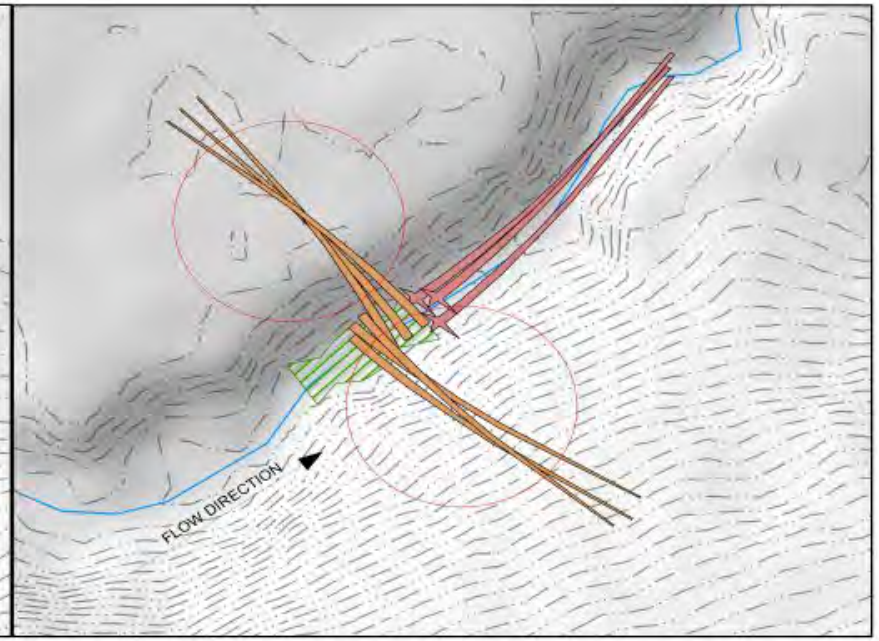
Log_ID	PM2YR
3583	0.338334
3584	0.253454
3585	0.411062
3586	0.054206
3587	0.032114
3588	0.070177
3589	0.03883
3591	0.196125
3592	0.011175
3593	0.177704
3594	0.128354
3595	0.04867
3596	0.205369
3597	0.01183
3598	0.13494
3599	0.18628
3600	0.041039



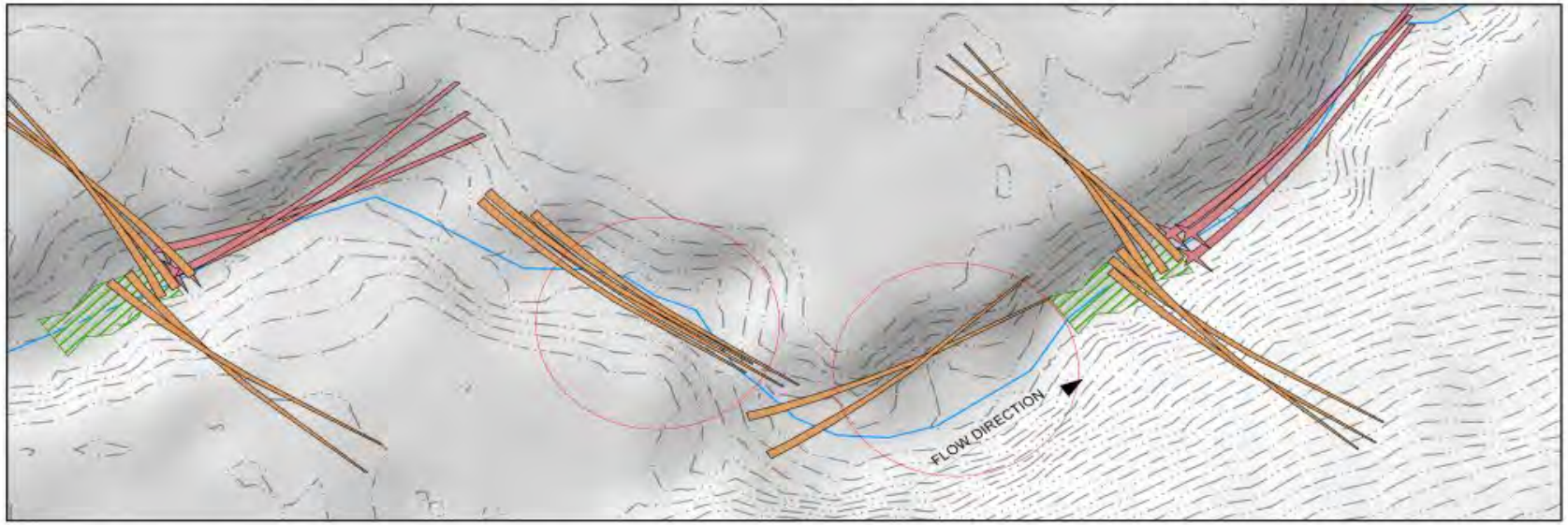
1. ADD 2-3 ROOTWAD LOGS. ROOTS ORIENTED UPSTREAM



2. STUFF BRUSH BUNDLE IN CHANNEL AGAINST UPSTREAM FACE OF ROOTWADS



3. ADD 2-3 LOG BUNDLE ATOP BRUSH BUNDLE EXTENDING LATERALLY FROM APPROXIMATELY THE TOE OF CHANNEL UP OUT OF CHANNEL. REPEAT DIRECTLY UPSTREAM, PLACING BUTT OF LOGS AGAINST OPPOSITE TOE OF CHANNEL



4. PLACE BUNDLES OF 3-4 SAW LOGS ON BED OF CHANNEL LONGITUDINAL TO STREAM END TO END UP TO NEXT LOG JAM SITE AND REPEAT

LICK CREEK HELICOPTER WOOD PLACEMENT CONCEPT

LOG LOADER & SKILLED OPERATOR

GRAPPLES PIVOT!
CAT

THANKS!

Bonneville POWER ADMINISTRATION

American Rivers
Rivers Connect Us®

Wildlife Conservation Society

NOAA — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — U.S. DEPARTMENT OF COMMERCE

WASHINGTON DEPARTMENT OF NATURAL RESOURCES

TROUT UNLIMITED

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE

This River Runs Forever
Yakima Basin Integrated Plan