

Camp Creek Fire EDRR

Primary Goals

EDRR

Native Plant Establishment

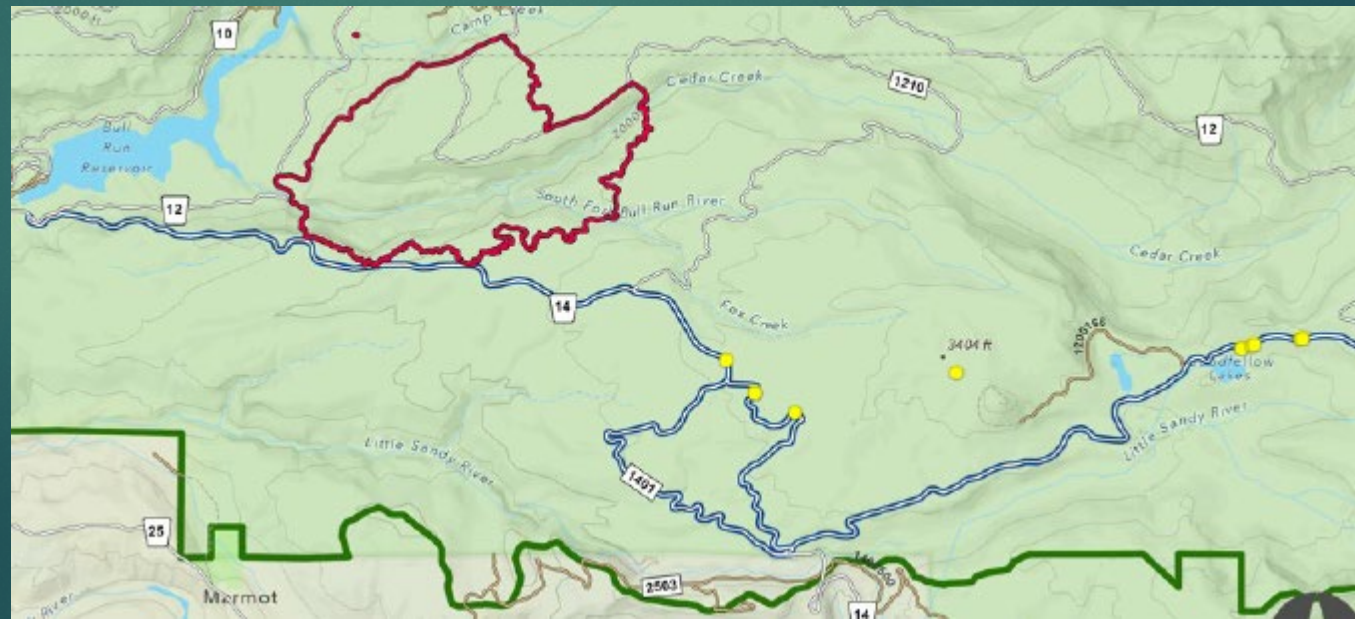
Plant Inventory

Monitoring



Early Detection and Rapid Response

- ▶ 1) EDRR Treatment-high intensity burn areas
- ▶ 2) Survey/treat high priority species in suppression areas
 - ▶ Hawkweed survey along south side in staging and suppression areas
 - ▶ False brome/herb Robert survey and treatment on north side (1211)
 - ▶ 35 miles or road surveys and treatment over 40 field days
 - ▶ Reductions of 90% in abundance
 - ▶ 13 species of focus



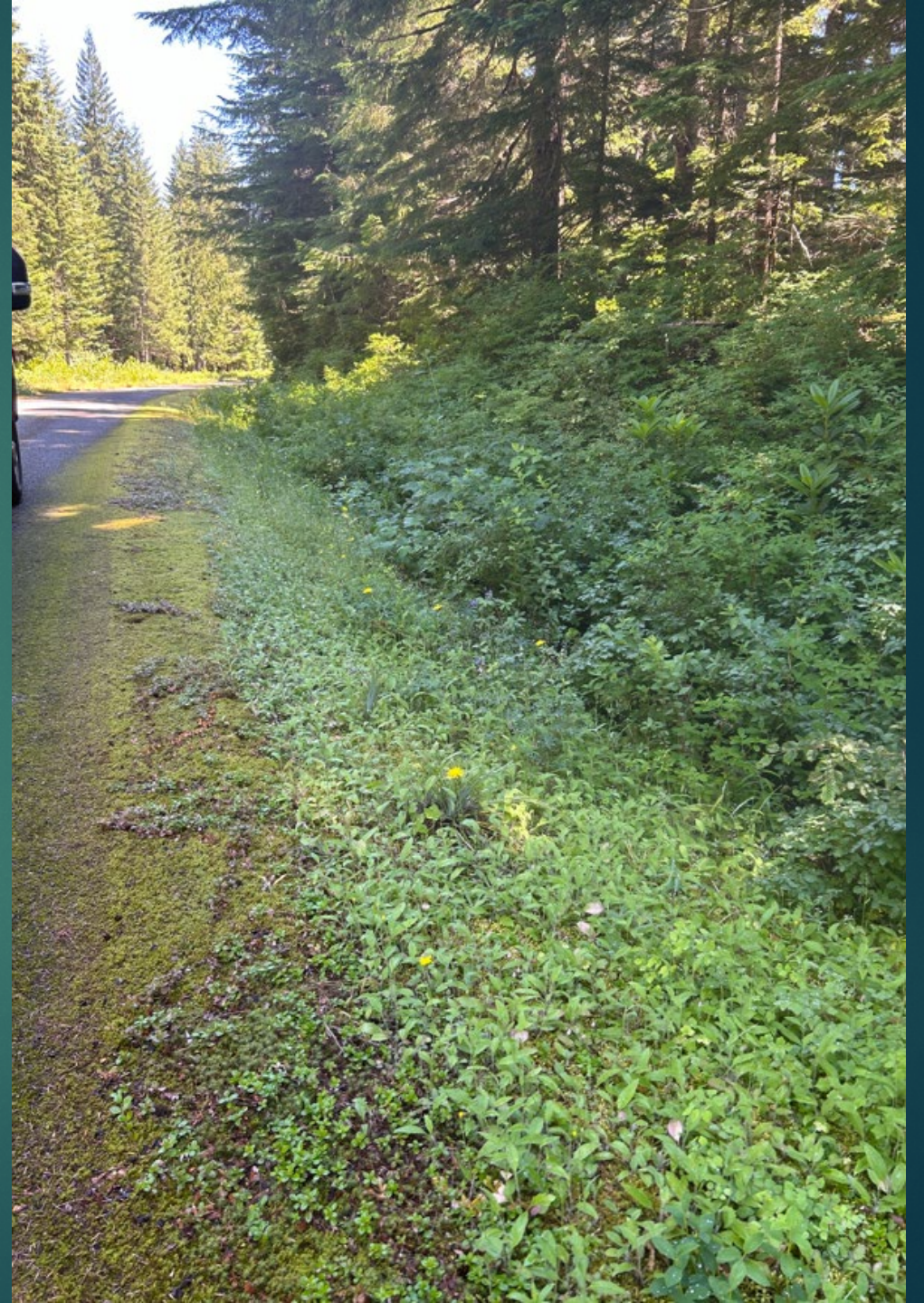
Challenging Species

Common Hawkweed

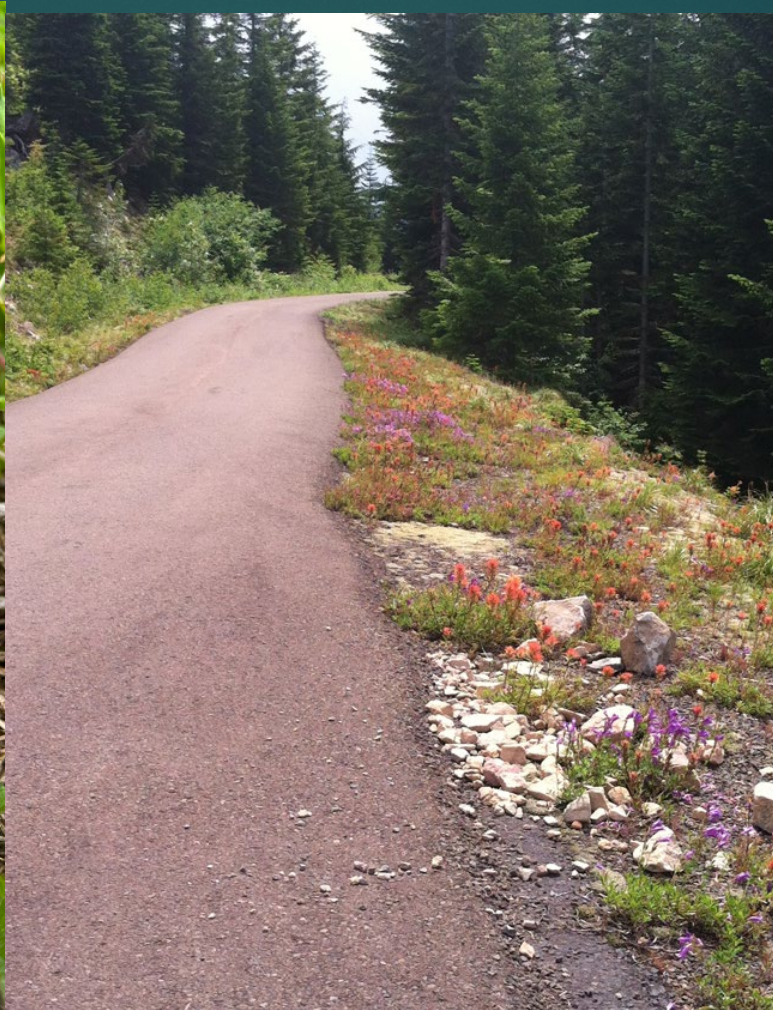
- ▶ Very dense along roads
- ▶ Shade suppressed prior to fire
- ▶ Wind-blown seed

Scotch broom

- ▶ Dense at the top of 1210
- ▶ Very shade suppressed, almost absent prior to fire







Seed Collection- reference site north side

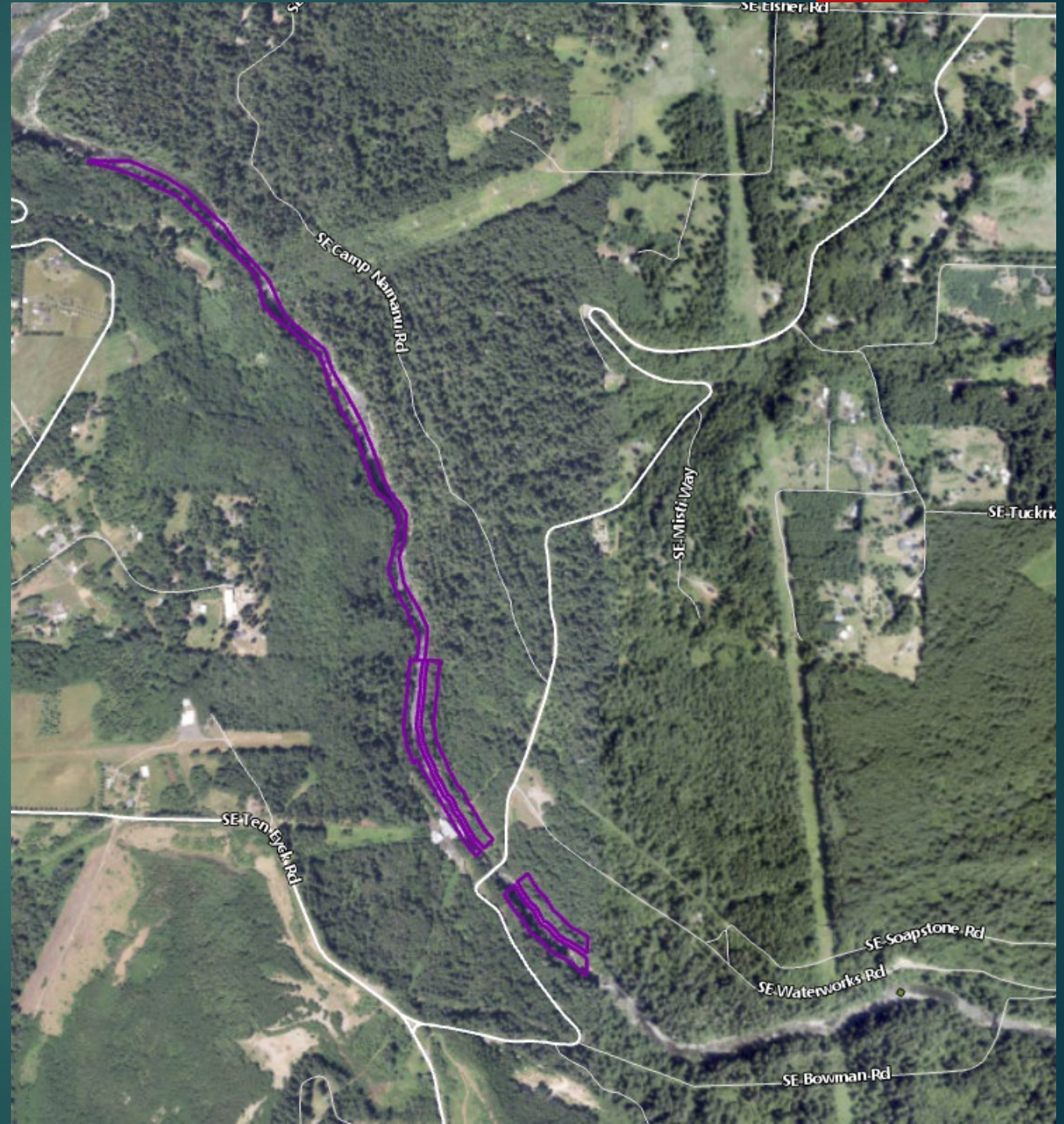
EDRR work and plant establishment to continue in 2025

Lower Bull Run Tree Planting



HCP Lower Bull Run

Conservation Easement
21 acres





BULL RUN

SOAPSTONE

SOAPSTONE

WATERWORKS

10 I/J Project

road 10
mi .6-1.8

BOWMAN

camp creek
microwave
tower

microwave
mitigation

Hamilton
Creek
Mitigation

10E Road Project
(Road 10, MP
6.2-8.4)
10R Road
Project

PHELPS

PHELPS

TEN EYCK





Stock type- Plug vs Bareroot



Figure 5A: Douglas-fir container stock types. From left to right: S-4 (4-cubic-inch root plug, 313A), S-10 (10-cubic-inch root plug, 415D), and S-20 (20-cubic-inch root plug, 615A).



Figure 5B: Douglas-fir bare-root stock types. From left to right: 2 + 0 (2 years in a seedbed plus 0 years in a transplant bed), 1 + 1 (1 year in a bare-root seedbed plus 1 year in a transplant bed), and plug + 1 (started as a container ["plug"] seedling plus 1 year in a transplant bed).

Plant Survival

- ▶ Herbivory
- ▶ Shade tolerance
- ▶ Lack of irrigation
- ▶ Climate adaptability




Plant Selection for Changing Climate


- ▶ Selection of plant materials using Seedlot Selection tools
- ▶ Generally selecting from lower elevations and adjacent zones
- ▶ Experimentation/ plots


Seedlot Selection Tool


AboutToolLayersSaved Runs


The Seedlot Selection Tool (SST) is a GIS mapping program designed to help forest managers match seedlots with planting sites based on climatic information. The climates of the planting sites can be chosen to represent current climates, or future climates based on selected climate change scenarios.





- **1. Select Objective**


You can find seedlots for your planting site or planting sites for your seedlot
- **2. Select Location**

You can click on the map or enter coordinates to locate your seedlot or planting site
- **3. Select Region**

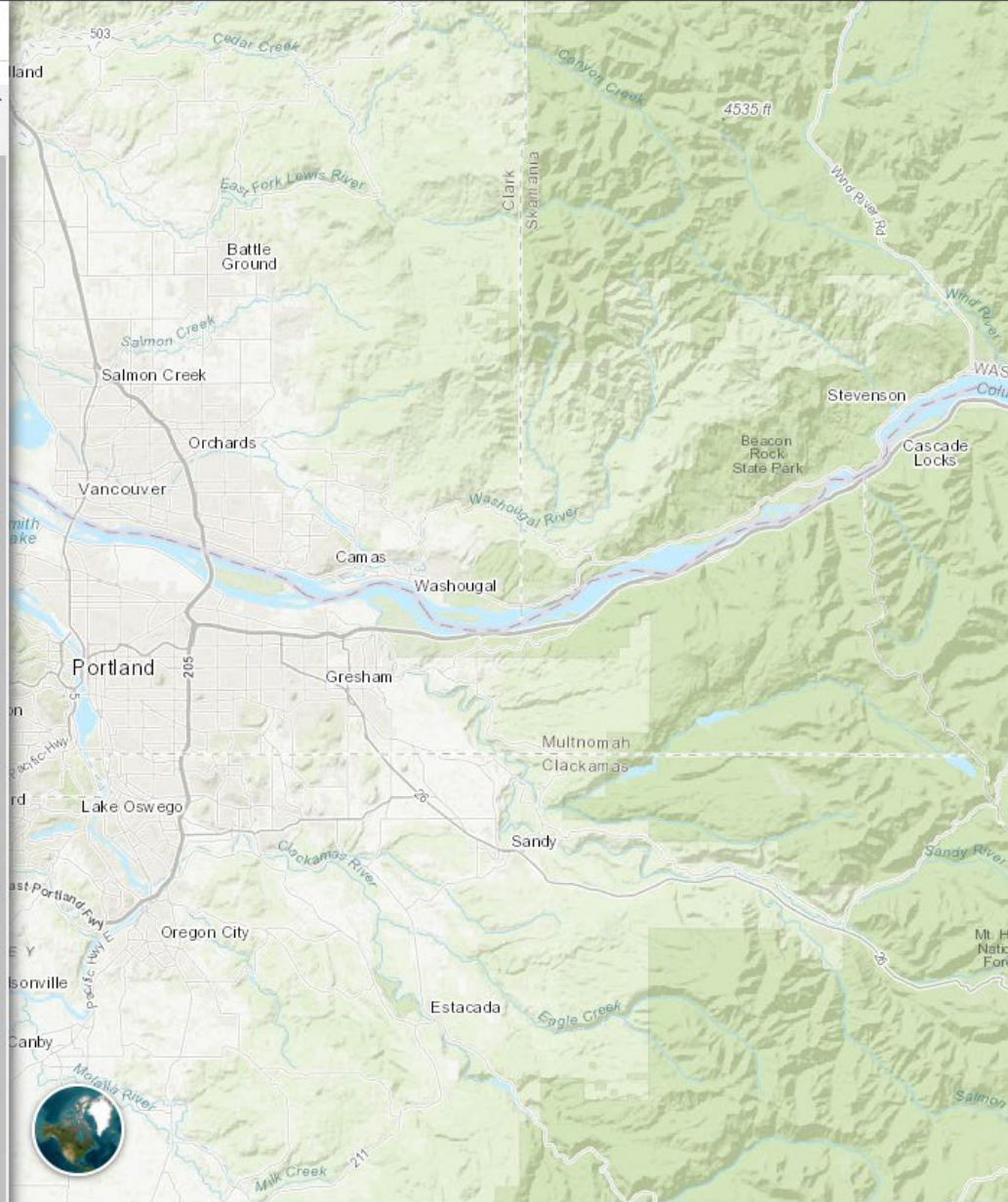
You can select the geographic region closest to your site or choose from a list of available regions
- **4. Select Climate Scenarios**

You can select historical, current, or future climates for your seedlots of planting sites
- **5. Select Transfer Limit Method**

You can enter your own custom limit, use an existing zone to calculate a transfer limit, or use a function relating genetic variation to climate to calculate a transfer limit
- **6. Select Climate Variables**

You can use a variety of climate variables to match your seedlot and planting site
- **7. Map your Results**

The map shows where to find appropriate seedlots or planting sites



Compare
Click to

Vegetation Stewardship Plantings

Lower Bull Run 8600 plants (conservation easements)

EDT Reach	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total
Cedar 2 & 3						1,800	1,200	850	100				240	300	4,490
Gordon 1A & 1B			1,325	800	500	6,700		250	1,290	360			375	800	12,400
Lower Bull Run				2,800	2,850	1,950		150	375	500					8,625
Sandy 2				2,900	5,500	15,300	2,700	4,015	13,853	2,950	1,080	600	2,175	350	51,423
Sandy 3	1,820	1,730	450	200	400	350	600		350	50				150	6,100
Sandy 7										1,250		1,650			2,900
Sandy 8				105											105
Total	1,820	1,730	1,775	6,805	9,250	26,100	4,500	5,265	15,968	5,110	1,080	2,250	2,790	1,600	86,043

Bull Run Mitigation and understory plantings- 7500 plants