

Santiam State Forest Update

State Forests Advisory Committee

September 16, 2021

FY 2021 Accomplishments – Timber Sales

10 Timber Sales planned and sold
totaling 46.675 MMBF

- ~1,850 acres of Modified Clearcut
- ~55 miles of Roadside Hazard Tree Mitigation Partial Cut
- Avg Stumpage Price = \$465.55/MBF
- Approx. Revenue Generated = \$21,400,000
- 29.430 MMBF Delivered to Date = ~63%



Niagara Restoration Sale – Unit 10

Sevenmile Timber Sale – Unit 4



FY 2021 Accomplishments – Roads

- **204.3 miles** of forest road have been cleared of debris, bank slough removal, drainage structures fixed
- **76 culverts** replaced
- Continuing to work on roadside hazard tree removal through timber sales, rock crushing projects, routine maintenance as well as other timber sale project work.



FY 2021 Accomplishments – Reforestation

Initial Planting

- Originally planned for 554 acres with ~223,000 DF & WRC Seedlings
- Post-fire accomplishment totaled 1,090 acres with 363,240 DF, WRC, WH, GF & RA seedlings
- Roughly doubled the acres with a shortened planning window and expanded species diversity

Aerial Seeding

- 4,338 acres accomplished with DF, WRC & NF
- Focused on areas that were non-economically feasible to harvest, DFC complex, inaccessible, and Draft HCA's



FY22 Reforestation Planning

FY22 Planting Plan

- 2,739 acres
 - By Age Class
 - Open for Planting (816 acres)
 - 0-10 years old (845 acres)
 - 11-30 years old (886 acres)
 - 30 years old + (192 acres)
- 1,070,996 Seedlings (DF, NF, WH, WRC)



Phase 1

- 173 Acres of Partial Cut & 226 Acres of Modified Clearcut across 4 Timber Sales
- Total Volume Planned: 6.5 MMBF
- 2 Post-fire Timber Sales (Elk Foot and West 7 Mile)
- 2 Timber Sales outside the fire perimeter (Good Aim Thin, Silver Dollar)
- 1 alternate outside the fire perimeter (Last West – 67 Acres 3.8 MMBF)

Public Comments/Responses

- Received 3 written comments and an e-mail directly to the district from ODFW
- Wide range of comments

Next Steps

- Working through considerations, adjustments and responses this week, approval in the following two weeks
- Phase 2 – Fern Ridge Project 14 acres Modified Clearcut & Roadside Hazard Partial Cut totaling 1.5 MMBF
- FY22 Total of 8 MMBF – IP Volume Range 8-25 MMBF

FY22 AOP – Update



Summary of Acres

	Total Gross Acres
Total District Acres	47,465
Within Fire Perimeter	24,352
Total Burned	16,616
Post Fire Harvest Area (FY 21, 22)*	2,426
Aerial Seeded	4,338
Planted (2021, 2022)**	2,729
"Unmanaged"	7,123

*Does not include Roadside Hazard mitigation areas. Roadside Hazard mitigation is the removal of snags and trees that have the potential to strike a target upon failure. There are 190 miles of road within the Fire Perimeter.

**This number does not include acres that will be planted following Post Fire Harvest.

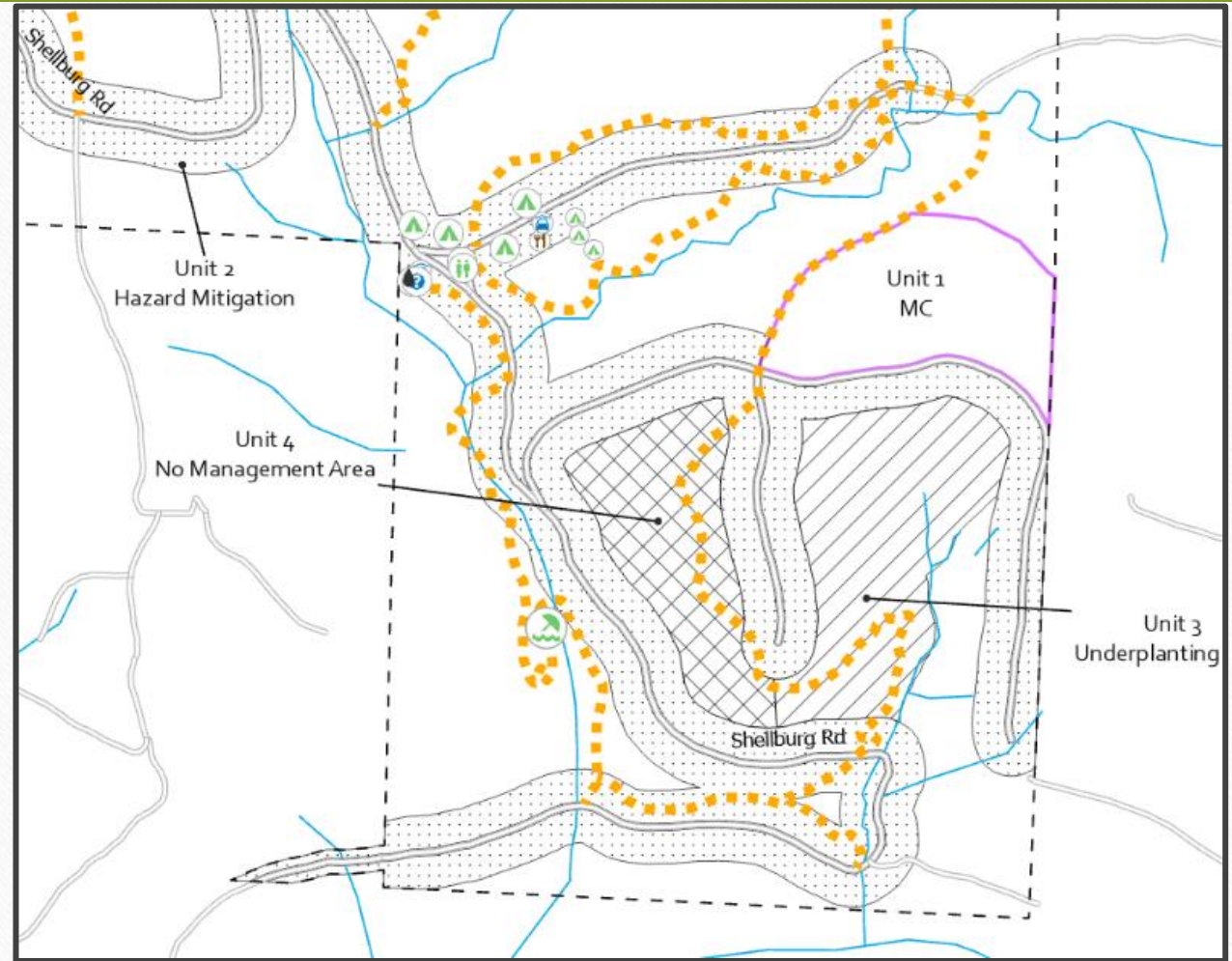


Questions



Forest Management

- Harvest
 - Harvest Rxs
 - Modified Clearcut
 - Under Planting
 - No management
 - Hazard Tree Removal Rx - Single Tree
 - Setting up an opportunity to showcase and monitor the different RXs we are using post-fire



Legend

Manged Lands	Walk-in Campsite	Drinking Water	Modified Clearcut
Restroom	Fee Station	Shellburg Falls	Partial Cut - Hazard Mitigaton
Hiking Trailhead	Picnic Shelter	Trails	Underplanting Area
Drive-in Campsite	Parking	Roads	No Management Area
	Kiosk	Streams	

Young Stand Management/ Reforestation



Reforestation Prescriptions

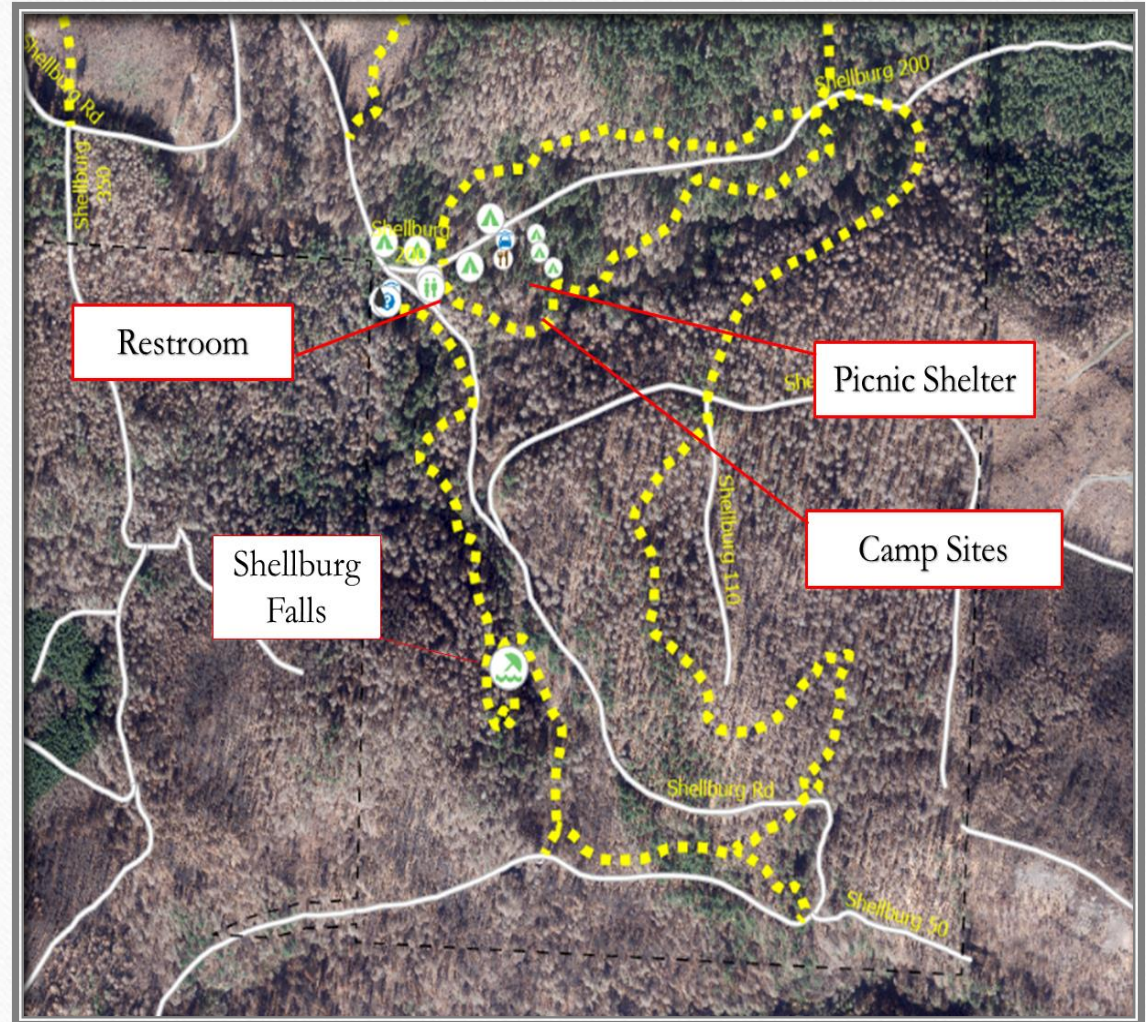
Natural Seed in
Under Planting

Initial Planting after overstory removal



FY22 Fern Ridge Project

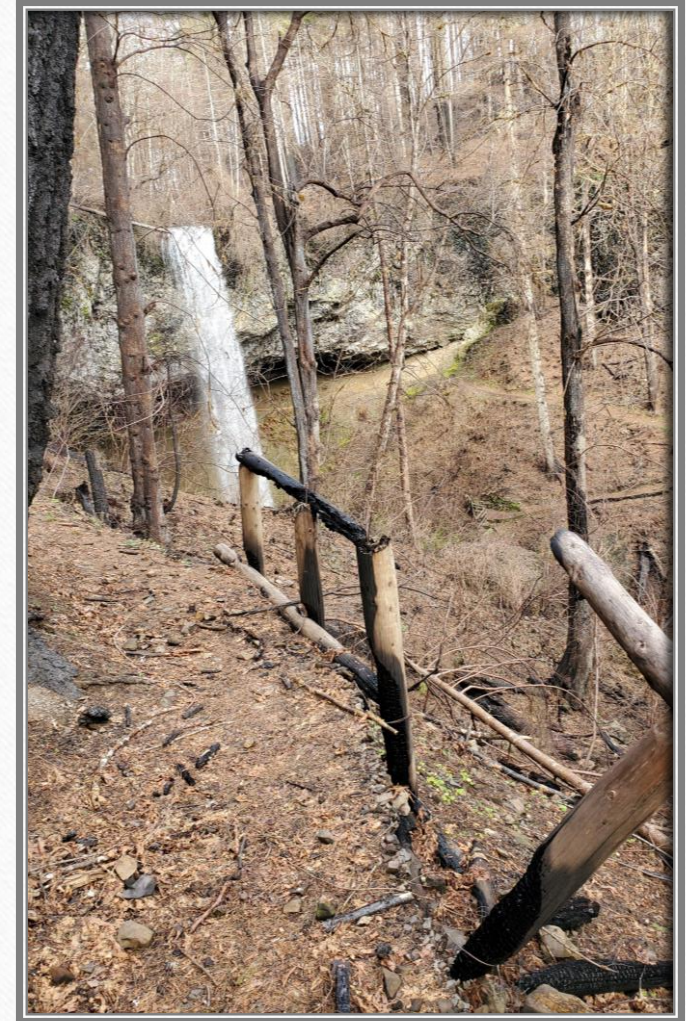
- Overview of the Area
- Recreation Site
 - Infrastructure
 - Falls
 - Trails



Recreation

Shellburg Falls Recreation Area

- Recreation Trail and Infrastructure Repair
- Day Use and Interpretation Area
- Immediate needs to be addressed with this project (hazard tree removal, focus on day use, camping closures, etc),
- Future plans



Fern Ridge Aquatics & Riparian



Larger riparian buffers to protect water quality & habitat

- e.g., 120' horizontal buffer distance on fish streams
- No salvage or harvest within riparian areas
- Danger trees Rx = fall and leave

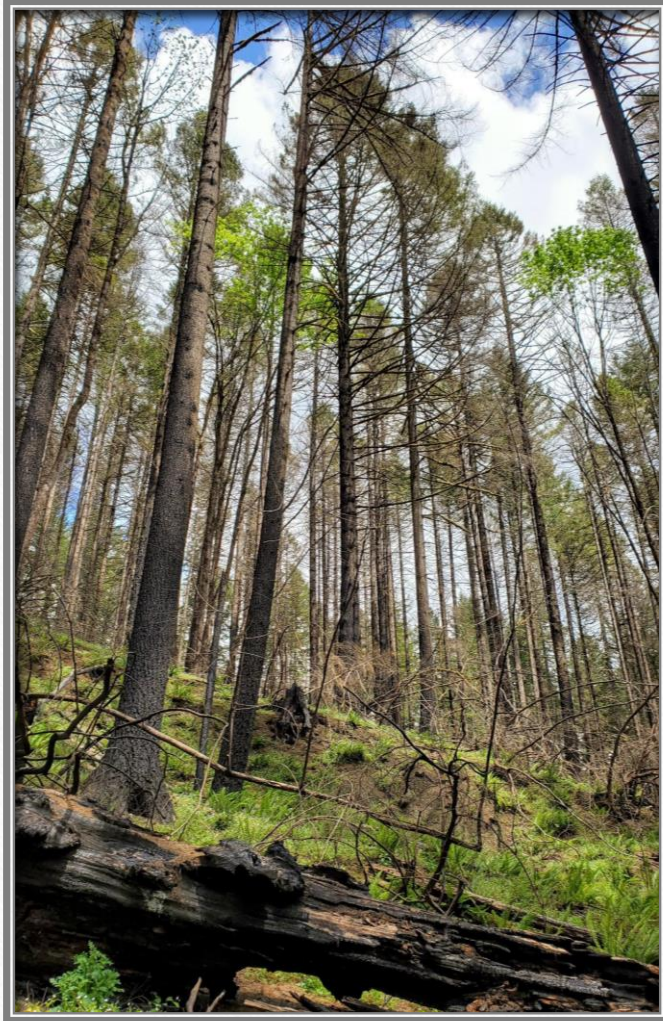
Post-fire monitoring

- Riparian vegetation (in progress)
- Water quality & quantity (planned 2022)
- Soil (planned 2022)

Planned restoration actions

- Riparian planting
- Culvert decommission

Ongoing partner coordination: ODFW, USFS, OSU, North Santiam WC, Partners of the North Santiam, USGS, Governor's Science Team



Wildlife

Future projects within Desired Future Condition Complex, Terrestrial Anchor Sites, and Habitat Conservation Areas

- Varying stand densities and patch cuts
- Underplanting
- Snag and downed wood component

Habitat contributions

- Snag and downed wood retention
- Vertical and horizontal stand diversity
- Early seral habitat

Monitoring

Response to Management

Fixed-radius plots to compare trends in structure and revegetation

- Habitat: Snags/downed wood
- Reforestation: Seedling growth
- Structure/Seral stage over time: canopy mortality and heterogeneity
- Understory: invasive species

Considerations

- Detailed in Restoration Plan
- Compare to other stands with different post-fire treatments
- Within unit, plots may vary in distance to living seed sources

Education and Interpretation

- Documentation Package
- Master Planning
- Future Vision



Thoughtful consideration of social, economic, and environmental values

- Re-establish safe public access
- Restoring trails and recreation infrastructure
- Monitoring a variety of post-fire landscape treatments
- Harvesting 1.5mmbf of timber
- Identifying Interpretation and Education Opportunities
- Green trees, snag and downed wood retention
- Implementing protections for aquatic habitat and water quality
- Focused public engagement process



Next Steps

- Feedback Survey
 - How to meet social, environmental, and economic goals specific to the Shellburg area
- Timeline
 - Feedback to ODF by September 30
 - Consideration and Edits
 - Report out on draft project design SFAC Oct. 29th Meeting
 - Public Comment Period 14-day in November

Questions / Feedback
