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
### Summary of Acres

<table>
<thead>
<tr>
<th></th>
<th>Total Gross Acres</th>
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</thead>
<tbody>
<tr>
<td>Total District Acres</td>
<td>47,465</td>
</tr>
<tr>
<td>Within Fire Perimeter</td>
<td>24,352</td>
</tr>
<tr>
<td>Total Burned</td>
<td>16,616</td>
</tr>
<tr>
<td>Post Fire Harvest Area (FY 21, 22)*</td>
<td>2,426</td>
</tr>
<tr>
<td>Aerial Seeded</td>
<td>4,338</td>
</tr>
<tr>
<td>Planted (2021, 2022)**</td>
<td>2,729</td>
</tr>
<tr>
<td>&quot;Unmanaged&quot;</td>
<td>7,123</td>
</tr>
</tbody>
</table>

*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
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