



Oregon

Kate Brown, Governor

Department of Forestry

Forest Grove District
801 Gales Creek Road
Forest Grove, OR 97116
(503) 357-2191
Fax (503) 357-4548

June 27, 2022



"STEWARDSHIP IN FORESTRY"

To: Andy White, Area Director
From: Mike Cafferata, Forest Grove District Forester

CC: Michael Wilson, State Forests Division Chief
Ron Zilli, State Forests Deputy Division Chief
Colleen Kiser, State Forests Planning Manager

Re: Information Item – Approved Annual Operations Plan for FY 2023

The FY 2023 State Forests Annual Operations Plan (AOP) for the Forest Grove District has been completed. During my review of this plan, I have found that it conforms to the Oregon Forest Practices Act and is consistent with the 2010 Northwest Oregon State Forest Management Plan, the 2011 Forest Grove District Implementation Plan (IP), the 2023 Annual Operation Planning Standards, and the FY 2023 State Forests budget instructions.

During its preparation, this plan was reviewed by technical specialists from within the department and biologists from the Oregon Department of Fish and Wildlife. Information on the consultations with other agencies can be found in Appendix C. The draft AOP also underwent a 45-day public comment period. All comments were carefully considered and incorporated where appropriate. All changes that have occurred since the public comment period ended are summarized in Appendix D of the AOP.

Also included in the AOP is a minor modification of the District IP. Appendix G summarizes the changes made to the District Landscape Design. Changes of up to 240 acres annually are considered minor changes and can be approved by the District Forester concurrently with the AOP. The signing of this letter will approve these proposed changes.

As prepared, this AOP consists of 62.2 MMBF of harvest volume. This volume will be achieved through 194 acres of partial cut harvest and 1,514 acres of regeneration harvest. There are 12 primary operations and 6 alternate operations within this plan. The operations are estimated to generate gross revenues of approximately \$33,939,725 and net revenues of \$30,948,125 (\$11,950,575 in Tillamook County; \$12,753,230 in Washington County; and \$6,244,320 in Clatsop County). The IP target for Forest Grove is 61 MMBF. The District is currently running a shortage of volume of 2.8 MMBF for the IP. The planned volume of 62.2 MMBF will bring the Forest Grove District closer to alignment with its 10-year goal.

Reforestation and young stand management activities and investments are aligned with FMP objectives and budget considerations. Recreation facilities and trails are managed and maintained for safety, positive experiences and protecting other resources like water quality and are consistent with the FY 2023 budget level.

Approval of this plan does not constitute final approval of individual project details. Individual operations are subject to additional review processes at the district and division staff level before implementation. The planned amount and location of all management activities are based on the latest site-specific assessments and estimates of operational, T&E surveys, and market variables. Management activity levels may be adjusted and modified to account for any significant changes to these variables. The alternate sales in this Annual Operations Plan may be

used to replace the primary sales that cannot be completed as planned. Actual revenue realized from this AOP could change due to market fluctuations. Harvest operations and the associated project work provide an accurate picture of what will be designed and prepared for contract in FY 2023. Due to the time lag with contract duration, most of the actual harvest operations with associated revenues will not occur for a period of one to two years beyond the end of the fiscal year. Forest management activities such as reforestation and recreation projects will occur in FY 2023

The AOP is available on the ODF website
at: <https://www.oregon.gov/odf/working/pages/stateforests.aspx>

Approved:



Mike Cafferata
Forest Grove District Forester

Forest Grove District 2023 ANNUAL OPERATIONS PLAN



FOREST GROVE DISTRICT

FY 2023 ANNUAL OPERATIONS PLAN

OVERVIEW

This plan describes the activities and outcomes that Oregonians can expect to see on the eastern side of the Tillamook State Forest for FY 2023 (July 1, 2022 – June 30, 2023). The Tillamook State Forest is an actively managed forest, valued by many Oregonians for its mixture of environmental, economic, and social benefits. This plan supports this mixture and provides a balance of these benefits as required by Oregon Administrative Rule (OAR 629-035-0020). The agency strives to manage the forest sustainably, so that the benefits from the forest can be delivered into perpetuity. The forest harvesting is planned at a sustainable level; a level that our computer models suggest can be harvested year after year without reduction.

Forest habitat is expected to develop so the forest has a mixture of habitat types for all of Oregon's native wildlife. Recreational opportunities are diverse and high quality, allowing for off-highway vehicles, bicycling, hiking, hunting, horseback riding, and more, striving to minimize user and environmental conflicts in the context of a working forest.

Managing a public forest has its challenges. In addition to the challenges of providing the opportunities described above, the forest is expected to be financially self-supporting. About two-thirds of the revenues from state forest timber sales go to local counties and other taxing districts, including schools. Oregon Department of Forestry (ODF) uses the remaining third of the revenue to manage the forests and keep them healthy, through activities including fire protection, tree planting, thinning, research and monitoring, recreation services, road maintenance and stream habitat improvement. ODF is striving to continue to provide the current opportunities, and are considering a few opportunities for change.

Every year in the Forest, agency staff learn new things and find new challenges and opportunities. In preparing this plan, the agency has consulted with geotechnical specialists, wildlife biologists, fish biologists, aquatic specialists, engineers, adjacent landowners, and a variety of interest groups and the plan has undergone a 45-day public comment period.

This Annual Operations Plan (AOP) has been reviewed by the Forest Trust Land Advisory Committee (representing the counties that deeded land to ODF), the State Forests Advisory Committee (SFAC - composed of Oregonians representing many interests), Oregon Department of Fish and Wildlife, motorized and non-motorized recreation users, hunters, fishermen, and wildlife advocates, as well as Oregonians in general.

The activities shown in the Summary Document and appendixes are estimates based on plans, information, and conditions as known at this point in time. The type, amount, and specific activities will be further adjusted based on field work conducted and on updated assessments that occur during the 2023 fiscal year.

A short summary of activities planned for the coming year:

- Planting approximately 600,000 trees on 1,400 acres. Conducting vegetation management activities on 2,400 acres and animal management activities on an additional 1,600 acres to ensure the survival and growth of these plantations.
- Conducting surveys for northern spotted owls and marbled murrelets covering the majority of the district and surveying 8 miles of streams for the presence of fish habitat.
- Protecting streams and water resources through a series of buffers and seasonal restrictions.
- Habitat development projects such as creating snags by removing the tops, retaining green trees in clearcut areas, and leaving down wood, all for wildlife benefits in harvest areas and future forests.
- Maintaining approximately 100 miles of road and improving approximately 32 miles of road to ensure ditch water is dispersed and filtered as much as possible, keeping runoff from entering streams. Constructing 5.6 miles of new roads. These roads provide access to timber harvest as well as various recreational opportunities.
- Reviewing District roads to develop plans to block or vacate roads to help manage trash dumping and target shooting.
- Proposing to harvest approximately 62.2 million board feet of timber volume, through modified clearcuts, and partial cuts generating revenue of an estimated \$30.9 Million net value.
- Operating and maintaining developed facilities in a safe, clean, and responsible manner.

- Providing a safe and clean environment for the myriad of dispersed activities that occur across the forest – hunting, camping, angling, sight-seeing, target shooting, swimming, mushroom picking, etc.
- Improving, maintaining, managing, and patrolling the 117 miles of motorized and 70 miles of non-motorized trails, striving to protect the trail investments, provide for visitor safety, address developing trail issues, and protect water quality.
- Facilitating the important volunteer network that supports Recreation management through the following volunteer programs:
 - Camp Hosts
 - Adopt a Trail
 - Forest Clean-ups
 - Trail Maintenance and Construction Work Parties
- Facilitating the pre-planned 12 to 16 organized motorized trail use events and writing and administering 2 to 4 special use permits for motorized and non-motorized trail use events.
- Evaluating new event proposals for fit with Recreation program and forest management goals and objectives.
- Providing a firewood cutting program and miscellaneous forest products permits (salal, mushrooms, etc.) as done in previous years.
- Supporting ongoing research on the district, in partnership with research cooperatives and universities.
- Managing public access during fire season to prevent catastrophic fires through the use of red emergency fire gates.
- Managing waste dumping, vandalism, and community safety through the use of yellow gates and temporary farm gates.

TABLES OF CONTENTS

Summary	3
INTRODUCTION	8
INTEGRATED FOREST MANAGEMENT OPERATIONS	9
Timber Harvest Operations	9
Overview of Timber Harvest Operations.....	9
Harvest Operations within Terrestrial Anchor Sites and Aquatic Anchors.....	11
Summary of Timber Harvest Operations by Basin.....	13
Forest Roads Management	20
Overview.....	20
Road Construction	20
Road Improvement.....	20
Road Access Management	20
Road Maintenance	21
Management of Rock Source/Supply	21
Land Surveying	21
Young Stand Management	22
Site Preparation.....	22
Planting	23
Tree Protection	24
Vegetation Management – Release Treatments	24
Pre-Commercial Thinning (PCT).....	24
Pruning.....	25
Stocking Surveys.....	25
Invasive Species	25
Roadside Vegetation Management.....	25

Recreation Management	26
Overview of Recreation Management	26
Facilities (Campgrounds, Viewpoints, Trailheads, etc.)	26
Motorized (OHV) Trails	27
Non-motorized Trails	28
Trail Maintenance (OHV and Non-motorized)	30
Volunteer Program and Partnerships.....	30
Event Management.....	30
Grants	31
Target Shooting	31
Partnerships.....	31
Other Integrated Forest Management Projects	32
Aquatic & Riparian Management	32
Land Exchange	33
Law Enforcement and Public Safety	33
Firewood Cutting Program.....	33
Non-Timber Forest Products	33
Planning	34
Archaeological, Historical and Cultural Resources	34
Forest Inventory.....	34
Wildlife Surveys	35
Research and Monitoring.....	35
Recreation, Education, and Interpretation (REI) Program Planning – REI Program Wide	35
Other Planning Operations	36
Public Information and Education	36
Administration	37
APPENDICES	39

Appendix A	40
Appendix B	51
Appendix C	55
Appendix D	56
Appendix E	57
Appendix F	58
Appendix G	59

INTRODUCTION

This annual operation plan (AOP) outlines planned activities for state-owned forestland managed by the Forest Grove District for Fiscal Year 2023 (FY23), which begins July 1, 2022 and ends June 30, 2023. This document describes how the activities and projects undertaken by the district will achieve the goals, strategies, and objectives of the NW Oregon Forest Management Plan (FMP), Tillamook State Forest Recreation Action Plan, and the Forest Grove District 2011 Implementation Plan (IP). Please refer to the district IPs for more specific information on physical characteristics and other district resource information.

The AOP document is divided into five major categories: Integrated Forest Management; Planning and Information Systems; Public Information and Education; Administration and Appendices. A short summary of proposed activities is listed within this introduction. In addition to describing forest management activities for FY23, Appendix F describes any modifications to the Forest Land Management Classification System. Appendix G describes any modifications to the Forest Grove District Landscape Design. *

The proposed harvest operations and activities are planned to be designed, engineered, and submitted for processing during the FY23 time period. Actual on-the-ground operations will likely not occur during FY23 due to the time-lag associated with contract duration, which could be one to three years after auction. In contrast, reforestation, young stand management, recreation management, and planning activities will be carried out during FY23.

A 45-day public comment period was held from March 21, 2022 through May 05, 2022. The District Forester has reviewed all comments received before approving this plan.

As the State Forests Division continues to implement its new organizational structure under Work Force Futuring, recruitments are still taking place with the goal of being fully staffed across all units in early 2023. Training of new employees at the district level will be occurring throughout FY23.

Accomplishments of forest management activities which occurred under previous AOPs can be found in several reports, including the *State Forester's Annual Report for the Association of Oregon Counties* and the *Common School Forest Lands Annual Report*. These reports are available through the local district office or online.**

*Minor/major modifications and the procedures for making these changes are described in Forest Grove District IP.

**The State Forests' individual district annual reports are available on the Oregon Dept. of Forestry website under "Reports." You can access here: <http://www.oregon.gov/ODF/Pages/Reports.aspx>

INTEGRATED FOREST MANAGEMENT OPERATIONS

Timber Harvest Operations

Overview of Timber Harvest Operations

All of the Primary and Alternate harvest operations and many of the other forest management activities have been reviewed by ODF’s wildlife biologists, aquatic specialist, geotechnical engineer, road engineer, and planning manager, as well as fish and wildlife biologists from the Oregon Department of Fish and Wildlife. All of the operations will be reviewed against the State Historic Preservation Office and General Land Office databases for potential impact to cultural resources. Occasionally, operations may contain a resource or activity where review with another state agency, such as the Department of Agriculture is warranted. Written comments from the external resource specialists and the resolution of those comments can be found in Appendix C.

The FY23 AOP is estimated to produce 62.2 million board feet in volume, generate gross revenues of approximately \$33,939,725 and net revenues of \$30,948,125. The volume objective is slightly over the 61 MMBF goal outlined in the Forest Grove District’s 2011 Implementation Plan (IP). The goal is to achieve the average of the Annual Harvest Objective (AHO) over the expected duration for the IP. Under normal circumstances, the volume proposed in an AOP will be near the AHO target. However, some events may result in an AOP volume that is farther from the AHO target. These events may consist of, but are not limited to, storm damage, insect and/or disease outbreaks, prepared timber cruise results versus AOP volume estimates, timber market conditions or other significant events. Alternate timber sales included in the AOP may be sold as primary operations in response to any of these circumstances. As shown in Table 2, the District is currently running a shortage of volume of 2.8 MMBF for the IP. The planned volume of 62.2 MMBF will bring the Forest Grove District closer to alignment with its 10-year goal.

Additional operations may produce timber volume for the district during the 2023 fiscal year but are not included in this AOP. These are generally small areas, produce little volume, and/or are time sensitive in nature. These sales do not require significant effort to develop and execute and will comply with all policies, the district IP, and the FMP. Examples of these sales include salvage, pulp sales, removal of hazard trees, pole sales, etc.

Refer to the attached Forest Grove District Financial Summary Table (Appendix A, Table A-1) and vicinity map (Appendix B) for more detail.

Table 1. Annual Operations Plan objectives compared to annual objectives identified in the Forest Grove District 2011 Implementation Plan. Harvest values are acres, Volume is in MMBF.

Annual Harvest Objectives	IP Annual Objective		2023 AOP
	Low	High	
Volume (MMBF)	61		62.2
Partial Cut Harvest	0	2,100	194
Regeneration Harvest	500	2,000	1,514

Table 1 shows the proposed acres by harvest type. The 1,514 acres of regeneration harvest planned for FY23 represents 1 percent of the district. All of the regeneration harvest acres will be designed as modified clearcuts. There is one first entry moderate partial cut in young stands to help improve the growing conditions within the sale. The anticipated harvest acres, volume, and revenue for each proposed operation in this AOP are listed in the “Harvest Operations – Financial Summary” Table A-1 in Appendix A.

Table 2. Accomplishment of AOP Harvest Volume Compared to IP Annual Objective (MMBF)

Fiscal Year	IP Annual Objective	AOP Planned Volume	AOP Sold Volume	Cumulative Difference from Objective ¹
FY 12	61	59	60.8	-0.2
FY 13	61	63.5	63.1	1.8
FY 14	61	59	63.3	4.1
FY 15	61	56.7	64.9	8.0
FY 16	61	58.1	57.4	4.4
FY 17	61	56.1	55.5	-1.2
FY 18	61	65.5	68.2	6.1
FY 19	61	56.5	55.2	0.3
FY 20	61	61.5	64.0	3.3
FY 21	61	58.4	60.4	2.7
FY 22	61	60.8	55.5 ²	-2.8
FY 23	61	62.2		-1.6

1. IP Harvest Objective versus Sold Volume.
2. This number is a combination of sold sale volume and planned sale volume and will be updated as sales continue to be sold.

Overview of Structural Components

The guidelines for managing structural habitat components listed under Landscape Management Strategy 3 in the NWO State Forests Management Plan (pg. 4-52), will be followed for the FY23 Annual Operations Plan. Structural components may be retained at higher levels in some units and at lower levels in other units. The intent is to achieve the targets outlined in the Forest Management Plan strategies in a given annual operations plan.

The green tree retention target for regeneration harvest units is an average of five trees per acre in the NW FMP. Green tree arrangements for this AOP may include; scattered individual trees, clumps of trees, and trees concentrated in and adjacent to riparian management areas, inner gorge areas or headwalls. The final decision on the location and arrangement of the green trees is made while the sale is being laid out to incorporate information on potential minor tree species, unique stand features, steep slopes, visual considerations, reforestation considerations, etc. To promote diversity on the landscape a variety of green tree placement strategies will be used.

The NW FMP strategy for hard snags is to manage for at least two per acre on average across the landscape. The FMP strategy for Down Woody Debris is to retain an average of 600 to 900 cubic feet of hard conifer logs (class 1 & 2) per acre during regeneration harvest. Strategies for retaining snags and down wood are determined using a current condition assessment from forest inventory data or timber cruising data. The need for snag creation in each unit is evaluated based on cruise or inventory information that documents snags in decay class 1 and 2 in the sale and surrounding landscape. Units with less than 2 hard snags per acre will be evaluated and an appropriate snag prescription will be developed as needed. Down Wood will continue to be created through bucking practices, leaving felled snags in the unit and tops on ground yarding areas.

The wind events of December 2006, November 2007, December 2007, and the snow/ice event of January 2017 made significant contributions to snag and DWD levels despite the salvage of some large concentrations of blow down. This in turn led to scattered bark beetle outbreaks resulting in additional tree mortality during 2009. The majority of beetle caused mortality is located within the McGregor, Wheeler, and Upper Salmonberry Basins. Minor amounts were observed in Larch Mtn., Gales Creek, and Roger's Basins. Based on these observations, snag creation may only be required on planned sales in the Sunday Creek Basin, Wilark Basin, Scoggins Basin, and portions of Gales Creek and Roger's Basins.

Harvest Operations within Terrestrial Anchor Sites and Aquatic Anchors

The District's 2011 IP applied the State Forests' Species of Concern Strategies that specifically identifies fish and wildlife species of concern on the Tillamook State Forest. Two of these strategies are Terrestrial Anchor Sites (TAS) and Aquatic Anchor (AA) sites.

- Terrestrial Anchor Sites (TAS) areas are intended to benefit terrestrial wildlife species of concern, especially those associated with older forest or interior habitat conditions, sensitive to forest fragmentation, or do not readily disperse across younger forest conditions. Management within TAS is intended to be limited, to emulate natural small-scale disturbance patterns, and to minimize short-term negative impacts to habitat. All areas that were designated as TAS were designated for the development of complex structure in the Landscape Design.
- Aquatic Anchor (AA) sites are watersheds where salmon and aquatic amphibian conservation is of concern. Riparian management strategies beyond those described in the FMP will be applied within AAs. In addition, areas designated for the development of complex structure in the Landscape Design are clustered around streams important to fish in the AA.

The Species of Concern Strategies provide long term goals for TAS and AA. The management activities within those areas are designed to achieve those goals. These strategies have not identified specific limits to the total area that can be harvested within these areas; however, the district and resource specialist will be tracking the harvest trends within these areas to ensure the harvest prescriptions and rate is consistent with the goals of these strategies.

Terrestrial Anchor Sites

Since the adoption of the TAS in the July 2011, the district has been proceeding with operations in these areas. Great care has been given in selecting stands for harvest and developing prescriptions in these areas to ensure that these harvest activities achieve the goals of the

TAS. These sales were reviewed with ODF and ODFW Resource Specialists. Table 3 shows there are 52 acres of Partial Cut within the TAS proposed in the 2023 AOP and also shows the cumulative operations in TAS since the strategy was adopted (AOPs 2012 through 2023).

Table 3. Summary of Harvest Operations within TAS (Acres and Percent)

Acres within TAS	Current AOP (FY 2023)		Cumulative Harvest (Since FY 2012)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Terrestrial Anchor Site (TAS) Basin				
South Fork Wilson (2,081 ac)	0	0	0	0
% of Acres	0%	0%	0%	0%
Upper Salmonberry (3,097 ac)	0	0	0	674
% of Acres	0%	0%	0%	21.8%
Wolf Creek (4,199 ac)	0	52	0	861
% of Acres	0%	1.2%	0%	20.5%
All TAS (9,377 ac)	0	52	0	1,535
% of Acres	0%	0.5%	0%	16.4%

Aquatic Anchors

The AAs became effective July 1, 2013 and replaced the Salmon Anchor Habitat Strategy that expired June 30, 2013. Increased water protection measures will be implemented on regeneration harvest operations planned within the AA's as specified in the Species of Concern strategy. Table 4 shows the current harvest and the cumulative total from FY 2014.

Table 4. Summary of Harvest Operations within AA (acres and percent)

Acreages	Current AOP (FY 2023)		Cumulative Harvest (since FY 2014)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Aquatic Anchor (AA) Basins				
Ben Smith Creek (2,410 ac)	0	0	0	0
% of Acres	0%	0%	0%	0%
Devils Lake Fork Wilson River (6,132 ac)	108	0	799	118
% of Acres	1.8%	0%	13.0%	1.9%
Elkhorn Creek (1,049 ac)	0	0	190	0
% of Acres	0%	0%	18.1%	0%
Lousignont Creek/Upper Nehalem River (12,355 ac)	172	168	2,202	1,531
% of Acres	1.4%	1.4%	17.8%	12.4%
S. Fork Salmonberry River (5,659 ac)	25	0	82	595
% of Acres	<1%	0%	1.4%	10.5%
Upper Rock Creek (3,295 ac)	12	0	144	84
% of Acres	0.4%	0%	4.4%	2.5%
All Aquatic Anchors (30,900 ac)	317	168	3,417	2,328
% of Acres	1.0%	0.5%	11.0%	7.5%

Summary of Timber Harvest Operations by Basin

In the following section, the harvest operations planned for FY23 will be summarized in the context of the eleven management basins on the Forest Grove District. Since the Forest Management Plan strategies provide standards for structural components such as green trees, snags, down wood as well as riparian protection, these are not discussed in the summary. Road strategies and standards are discussed in the Forest Roads Management section. Additional information regarding the harvest operations may be found within Table A-2, the Forest Resources Summary in Appendix A.

Table 5. Summary of Timber Harvest Operations in each basin. All values are in net acres.

Basin	2023 AOP	
	Partial Cut	Clearcut
Bell Mountain	0	0
Isolated Tracts	0	0
Gales Creek	0	154
Larch Mountain	0	112
McGregor	0	270
Rogers	0	312
Scoggins Creek	0	190
Sunday Creek	0	150
Upper Salmonberry	0	154
Wheeler	194	172
Wilark	0	0
Totals	194	1,514

Bell Mountain Basin

Bible Creek ALT: This is a 4 unit first entry partial cut sale totaling 246 acres. The Douglas-fir and red alder stands within this sale are between 37 and 48 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands.

No new road construction is expected for harvest. Approximately 4.7 miles of road will be improved in conjunction with this sale.

Isolated Tracts Basin

No harvest operation is planned for this basin.

Gales Creek Basin

Double Parked: This is a two unit modified clearcut totaling 154 acres. The Douglas-fir and red alder stands within this sale are 71 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.6 miles of spur road will be constructed to help facilitate the harvest of this sale. Approximately 4.32 miles of road will be improved in conjunction with this sale.

Gales Creek Campground, Gales Creek Day Use Area, and Gales Creek Trailhead are near the sale areas and public access to the named facilities is along the planned timber sale haul

route. The Marketing Unit and Roads Unit will work closely with the Recreation Unit to put provisions in place to minimize impact to the recreation facilities and to mitigate conflicts with the recreation public.

Portions of Unit 1 and Unit 2 may be visible from Highway 6. This will be taken into account while determining green tree retention strategies.

Skinny Kitty ALT: This is a 3 unit first entry partial cut sale totaling 139 acres. The Douglas-fir and red alder stands within this sale are between 34 and 38 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands.

Approximately 0.77 miles of spur road will be constructed to help facilitate the harvest of this sale.

Unit 2 is within a Draft Habitat Conservation Area. The thinning prescription for this stand will be developed to create more complex structure and improve habitat.

Larch Mountain Basin

Hog Heaven: This is a 112 acre modified clearcut. The mixed conifer stand within this sale is 69 years old. The majority of the stand has a current condition of Understory with 3 acres having a current condition of Layered. The Layered portion is included to create a logical operational timber sale boundary. The Desired Future Condition of the entire sale is non-complex. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.35 miles of spur road will be constructed to help facilitate the harvest. Approximately 4.03 miles of road will be improved in conjunction with this sale.

McGregor Basin

Bolero: This is a 80 acre modified clearcut. The mixed conifer stands within this sale are between 72 and 79 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

A 0.13-mile spur road is needed for this sale. The spur will be constructed prior to the Bolero sale.

A portion of this sale is located within the Upper Rock Creek Aquatic Anchor.

Two Mac: This is a two unit modified clearcut totaling 190 acres. The mixed conifer and red alder stands within this sale are between 72 and 79 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands.

Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.79 miles of spur road will be constructed to help facilitate the harvest. Approximately 9.53 miles of road will be improved in conjunction with this sale.

Rogers Basin

BD Power: This is a 108 acre modified clearcut. The mixed conifer and red alder stands within this sale are between 61 and 67 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

No new road construction is expected for harvest. Approximately 2.55 miles of road will be improved in conjunction with this sale.

The existing gate on the BD5 Road is planned to be moved from its current location at the 1.5 mile marker to the junction of BD5 Road and Beaverdam Road. The purpose of moving the gate is to prevent target shooting, dumping and long-term camping along the BD5 Road network.

Motorized trails exist within the sale boundary. The Marketing Unit and Roads Unit will work closely with the Recreation Unit to put provisions in place to minimize impact to the recreational trails and mitigate public use safety concerns.

The majority of this sale is located within the Devils Lake Fork Wilson River Aquatic Anchor.

West Rogers: This is a two unit modified clearcut totaling 204 acres. The mixed conifer and red alder stands within this sale are between 65 and 69 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.26 miles of spur road will be constructed to help facilitate the harvest. Approximately 1.29 miles of road will be improved in conjunction with this sale.

Motorized trails exist within Unit 1 and adjacent to Unit 2. The Marketing Unit and Roads Unit will work closely with the REI Team to put provisions in place to reduce impacts to the trail to mitigate conflicts with the recreation public.

Scoggins Creek Basin

Nor Skogg: This is a 106 acre modified clearcut. The majority of the Douglas-fir and red alder stands are 68 years old with 6 acres of an 88 year old stand. The stands within the sale have

a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 1.05 miles of spur road will be constructed to help facilitate the harvest. Approximately 0.75 miles of road will be improved in conjunction with this sale.

Scoggins Divide: This is a 84 acre modified clearcut that consists of mixed conifer and red alder between 66 and 70 year old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.58 miles of spur road will be constructed to help facilitate the harvest. Approximately 1.39 miles of road will be improved in conjunction with this sale.

Sunday Creek Basin

Two Windy: This is a two unit modified clearcut totaling 150 acres. The Douglas-fir stand within this sale are between 64 and 73 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.22 miles of spur road will be constructed to help facilitate the harvest. Approximately 1.96 miles of road will be improved in conjunction with this sale.

Upper Salmonberry Basin

CE Junction ALT: This is a 117 acre modified clearcut that consists of an 79 year old Douglas-fir and red alder stand. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands on 113 acres and of complex stands on 5 acres. The 5 acres of Desired Future Condition of complex are proposed to be changed to a Desired Future Condition of non-complex stands to create logical operational boundaries. Please see Appendix G for more information regarding these proposed changes. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

No new road construction is expected for harvest. Approximately 1.39 miles of road will be improved in conjunction with this sale.

Front Nine: This is a 3 unit modified clearcut totaling 154 acres. The mixed conifer and red alder stands within this sale are between 61 and 80 years old. The stands within the sale have

a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

No new road construction is expected for harvest. Approximately 2.68 miles of road will be improved in conjunction with this sale.

A portion of this sale is located within the South Fork Salmonberry River Aquatic Anchor.

Wheeler Basin

Back Track ALT: This is a combination sale with 1 moderate partial cut of 97 acres and a modified clearcut of 59 acres.

The stands within the modified clearcut (Unit 1) are between 70 and 73 years old. The current condition of Unit 1 is Understory with a Desired Future Condition of non-complex. Following the completion of harvest, Unit 1 will be planted with a mix of species to be determined closer to the time of reforestation.

The stands within the moderate partial cut (Unit 2) are 70 years old on 96 acres and 87 years old on the remaining 2 acres. The current condition of Unit 2 is Understory with a Desired Future Condition of non-complex. Unit 2 will target the removal of some of overstory Douglas-fir trees while retaining western hemlock and western red cedar trees. The prescription will help improve stand growing conditions and help move the Understory stands towards the pathway of complex stands.

Approximately 2.14 miles of spur road will be constructed to help facilitate the harvest of this sale. Approximately 0.65 miles of road will be improved in conjunction with this sale.

Unit 2 is within a Draft Habitat Conservation Area. The thinning prescription for this stand will be developed to create more complex structure and improve habitat.

This sale is located within the Lousignont Creek/ Upper Nehalem River Aquatic Anchor.

Lou's Stew: This is a 6 unit sale. Units 1, 2, 4, 5, and 6 are first entry partial cuts totaling 194 acres. Unit 3 is a 52 acre modified clearcut due to a large presence of Phellinus in the stand. The Douglas-fir and red alder stands in all Units are between 36 and 46 years old. Unit 1 has a current stand condition of Closed Single Canopy and a Desired Future Condition of Layered. Units 2-6 have a current condition of Understory and a Desired Future Condition of non-complex. Following the completion of harvest, Unit 3 will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 1.80 miles of spur road will be constructed to help facilitate the harvest of this sale. Approximately 0.42 miles of road will be improved in conjunction with this sale. Approximately 1.70 miles of collector and spur roads will be vacated in conjunction with this sale.

Unit 6 is within a Draft Habitat Conservation Area. The thinning prescription for this stand will be developed to create more complex structure and improve habitat.

Units 2-6 and the majority of Unit 1 are located within the Lousignont Creek/ Upper Nehalem River Aquatic Anchor. Unit 1 is located within the Wolf Creek Terrestrial Anchor Site.

Round Bell: This is a 120 acre modified clearcut. The mixed conifer and red alder stands within this sale are 70 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

No new road construction is expected for harvest. Approximately 3.07 miles of road will be improved in conjunction with this sale.

A gate is planned to be installed on the haul route to the west of the sale.

A non-motorized trail exists within the sale boundary. ODF field staff will carefully consider recreation and public use values along with environmental and economic values throughout the sale preparation process. The Marketing Unit will work closely with the Recreation Unit to examine options, if feasible, for reducing the amount of harvest seasons for the sale, as well as to put site specific provisions in place to minimize impacts to and closures of the recreational trail in order to mitigate conflicts with the recreation public while providing for staff and public safety.

This sale is located within the Lousignont Creek/ Upper Nehalem River Aquatic Anchor.

Triple Crown ALT: This is a 3 unit modified clearcut totaling 149 acres. The mixed conifer and red alder stands in Units 1 and 2 (totaling 140 acres) are 83 years old and the 9 acre stand in Unit 3 is 92 years old. The stands within the sale have a current condition of Understory with a Desired Future Condition of non-complex stands. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

Approximately 0.06 miles of spur road will be constructed to help facilitate the harvest. Approximately 3.76 miles of road will be improved in conjunction with this sale.

This sale is located within the Lousignont Creek/ Upper Nehalem River Aquatic Anchor.

Wolfs End ALT: This is a 113 acre modified clearcut that consists of mixed conifer and red alder stands between 82 and 84 years old. The current condition of 91 acres is Layered and Understory on the remaining 22 acres. The stands within the sale have a Desired Future Condition of non-complex. Following the completion of harvest, the sale will be planted with a mix of species to be determined closer to the time of reforestation.

No new road construction is expected for harvest. Approximately 5.18 miles of road will be improved in conjunction with this sale.

Wilark Basin

No harvest operation is planned for this basin.

Forest Roads Management

Overview

The State Forest Road network provides access for forest management activities, fire suppression, and recreation. Visions, guiding principles, and goals for managing the road network are discussed in the Northwest Oregon State Forests Management Plan (April 2010) and the State Forest Roads Manual (July 2000). The State Forest Roads Manual also provides standards and guidance for all road management activities and definitions, road classifications and other terms.

Almost all of the roadwork in this AOP is related to constructing spur roads and for improving haul routes for the FY23 timber sales. This section describes the types of road management activities that will occur in FY23 and the attached Forest Roads Summary Table (Appendix A, Table A-3) describes the anticipated total amounts.

Road Construction

Road construction and improvement identified in this plan will be primarily achieved through project work connected with timber sales. New LiDAR based slope information is helpful in locating roads away from locally steep slopes.

Road Improvement

Road improvement projects will use ODF road inventory protocols to assess existing road drainage, stability, surfacing and vegetation conditions, and to aid in the development of transportation system improvement plans. The majority of this improvement work will be performed on collector and spur roads and will consist of installing new cross drains and disconnect culverts, replacing culverts, ditchline improvements, and new surfacing.

Road Access Management

State Forests are managed to support public access while providing for community safety, environmental benefits, protection of state and private assets, and wildfire prevention. Following timber harvest, roads are evaluated for their public access benefits and costs. Some roads are closed and vacated to reduce the maintenance costs and to minimize impacts to the environment. These areas remain open for walk-in use. The Department retains the option of gating roads if vandalism, neighbor concerns, or excessive road damage from public use becomes a problem in particular areas. The public may still access these areas on foot, bicycle or horseback.

Road Maintenance

Roads will be maintained as necessary to protect water quality and the road system asset value. Road maintenance activities will follow the maintenance guidance in Chapter 7 of the Forest Roads Manual and the Forest Practices rules. Road maintenance is accomplished under timber sale contracts for roads used for hauling forest products, using the State Forests road crew or work order contracts. Maintenance is focused on ensuring proper drainage to prevent sediment entering streams. Collector roads and roads in active sale areas need and get the most maintenance. District personnel respond to heavy storms and thaw periods by performing road inspections, additional maintenance, and where necessary, stopping heavy truck use during periods when roads cannot handle traffic without damage to water quality or the road asset.

Management of Rock Source/Supply

The District provides durable rock for in-sale spurs and haul routes, which allows for year-round harvest opportunities. Rock quarry development, rock crushing, and/or purchasing rock is necessary to provide sufficient quantities of the road rock for planned road construction, road improvement, and road maintenance activities.

Quarry developments are planned for the following operations; however, these plans are subject to change as timber sale project work is laid out:

- BD Power
- Front Nine
- Hog Heaven
- Lou's Stew
- Nor Skogg
- Round Bell
- Two Mac
- West Rogers

Annually, the District requires between 2,000 to 4,000 cubic yards of crushed rock stockpiles for appraised road maintenance work. The District will continue to explore new rock sources and further development of existing rock quarries in FY23.

Land Surveying

Every year surveying needs are analyzed and planned to be kept at a minimum level while ensuring property lines and corners are clearly marked. Survey work may be accomplished through service contracts with licensed professional land surveyors, cost sharing with adjacent landowners or utilizing the licensed surveyor on staff with ODF. Land surveying may be necessary on the following sales:

- No surveys are needed.

Young Stand Management

The State Forest strategy is to use a range of silvicultural tools to establish and maintain diverse stands of well-adapted natural species throughout the landscape to meet the objectives and goals in the Forest Management Plan and District Implementation Plan. These tools include site preparation, planting, tree protection, vegetation management, pre-commercial thinning, early commercial thinning and interplanting or replanting. Each practice must be considered and prescribed for individual stands on a site-specific basis.

This section describes the types of reforestation and young stand management activities that will occur in FY23 and the attached Young Stand Management Table (Appendix A, Table A-4) describes the anticipated total amounts. The location and amount (acres) of these activities are estimates based on plans, information and conditions as known at this point in time. The type, amount and specific stand management prescriptions will be further adjusted based on when existing harvest units are completed and on updated assessments and surveys that will occur during and after the 2022 growing season.

Reforestation activities will be completed by using experienced contractors. A portion of the activities will be completed by utilizing crews from South Fork Camp. These crews work on activities such as tree protection, mechanical hand release, and noxious weed control.

The reorganization of the State Forest Districts leveling the workforce between districts created an opportunity for Forest Grove to take on an additional workload. The Forest Grove reforestation staff will be assisting with the management of 1,059 acres in the Tillamook District.

Seedlings / Nurseries: In order to meet the goals of the Forest Management Plan, the State Forests Program requires tree seedlings that are physiologically healthy and best suited for the planting sites. A wide variety of seedlings are grown at forest nurseries throughout the Pacific Northwest to meet the reforestation needs. Seedlings are grown in three different stock types: 1) plug seedlings or one-year-old container grown seedlings, 2) plug ones which are grown one year in a container followed by a second year in a bare root bed, and 3) straight bare root seedlings grown from seed in a bare root bed and then transplanted to a lower stocking bare root bed. The budget accounts for a string of growing costs over several years rather than just those costs of the trees being grown and planted in the winter. The budget for seedlings includes portions of the costs for growing seedlings for three planting years. Additionally, there are costs associated with the seed that is used for growing the seedlings, estimated transportation costs and various costs associated with packaging and freezer and/or cooler storage. The individual species mixture and stock type used for a particular reforestation unit is determined after the final inventory from the forest nursery and varies by District.

Site Preparation

Site preparation is any planned measure to prepare a site to allow for favorable growing conditions for newly planted seedlings. More than one of these techniques may be used for any given site based on the attributes and reforestation prescription for the site. The three main site preparation techniques are mechanical, chemical and slash burning.

- 1) Slash Burning: Slash burning can be accomplished by broadcast burning the entire unit or burning piles that result from mechanical site preparation.

- 2) Mechanical: Mechanical site preparation is the use of mechanized equipment to rearrange or alter forest slash and/or disturb the forest surface layer and vegetation to create seedbeds or planting spots. Planting spots are created in a fairly even distribution. Dense slash concentrations created during timber harvest may be mechanically piled as part of the timber sale contract.
- 3) Chemical: Chemical site preparation involves the application of herbicides to control competing vegetation before planting or natural regeneration and during the early stages of seedling establishment. Applications occur by two primary methods: aerially by helicopter or ground based with the use of backpack application equipment. The objective is to control brush species to allow stand establishment and maintain 2-3 years free of significant competing vegetation. The actual site preparation plan will be prepared in late spring when harvest unit availability and brush development is better known.

Planting

Tree planting operations are conducted for various reasons. These include meeting Forest Practices Laws, quickly establishing a new stand of trees after timber harvesting, and increasing species diversity in the area and across the landscape. Planting is comprised of matching the appropriate species and stock type to the planting site. Forest health strategies are addressed on a site specific basis when the planting plan is developed. Site specific prescriptions consider target species, aspect, elevation, soil types, Swiss Needle Cast risk where applicable, *Phellinus weirii* (laminated root rot) presence, required stocking guidelines, natural advanced regeneration, and the desired future condition of the stand. To accomplish this, a mixture of species is planted to provide for a healthy, productive, and sustainable forest ecosystem over time and to be more resilient to climate change. The following are different types of planting.

- 1) Initial Planting (Regeneration harvest units): Planting activities establish the desired species and stocking levels to meet the goals in the Forest Management Plan and Forest Practices Laws. Planted seedlings will be well suited and adapted to the reforestation site and where appropriate, a mixture of species may be planted to increase diversity on the landscape.
- 2) Interplanting: Interplanting may occur when stocking levels fall below or are at risk of falling below FPA minimums. In certain instances, interplanting will occur to increase stocking on high quality sites to fully capture the site. In other areas, lower stocking will be acceptable, as it will provide high quality early seral habitat while still meeting FPA requirements.
- 3) Underplanting: This type of planting is occasionally conducted after thinning in order to introduce both species diversity and an additional future layer of structure into a stand.
- 4) Natural Regeneration: Units or portions of units are assessed prior to planting. Natural regeneration is considered primarily in western hemlock stands that have been salvaged from wind storms, where small gaps and holes less than 2 acres have been created in partial cut units, and in unit rock outcrops or cliffs. Natural regeneration of red alder and other minor species is used to provide diversity in all harvest units.

Tree Protection

Animal damage on newly planted seedlings reduces their overall size, health and vigor. Extensive damage can lead to interplanting, may extend the time to achieve free to grow status as defined by the Forest Practices Act and prevent meeting Forest Management Plan goals. Deer and elk, as well as mountain beaver, can heavily damage young seedlings. Various tree protection strategies are applied to help re-establish trees in areas with high concentrations of these species. Most commonly, various types of physical barriers (bud caps, vexar tubes, etc.) help prevent damage from big game. Direct control includes trapping mountain beaver in highly populated areas prior to planting helps prevent damage to newly planted trees.

Vegetation Management – Release Treatments

Vegetation management is done to reduce light, moisture or nutrient competition from undesirable vegetation in a young stand of trees to improve survival and growth. It can also be used to alter tree species composition under pressure from insect and disease and favor species that are tolerant or resistant to the threat. Vegetation management may be required to meet forest practices reforestation stocking requirements, the NW Oregon State Forests Management Plan and the District Implementation Plans. There are two types of vegetation management, chemical and manual release treatments. They are described below.

Chemical Release: Chemical release treatments involve the application of herbicides to control undesirable vegetation. Typical application methods are broadcast, directed spray, and hack and squirt. Broadcast application treatments are sprayed over the top of seedlings and undesirable vegetation using either aerial or backpack methods. Directed spray applications are made with a backpack and target individual plants. This method is often used to remove invasive species such as Scotch broom from young stands. Hack and squirt involves basal or stem injection of chemicals. This method is typically applied to hardwoods as a way to release conifers from hardwood competition.

Manual Release: Manual release can include cutting down of noxious weeds or hardwoods. Hardwood release is used when ingrowth of hardwoods, mainly red alder in the northwest and madrone and tanoak in the southwest, threaten to change the stand from conifer dominate to hardwood dominate. In this treatment, the majority of hardwoods are removed using chainsaws leaving all of the conifer trees. This differs from PCT (described below) in the fact that conifer spacing and species are not manipulated. While hardwoods are important on the landscape and some are retained, long-term conifer production is the goal for many stands across the district.

Pre-Commercial Thinning (PCT)

PCT is a silviculture activity used to manipulate the density, structure or species composition of overstocked young forest stands. Generally, the purpose of a PCT operation is to release the biggest and best growing trees so they can maintain their growth. PCT is normally conducted in a stand between the ages of 10 and 20 years old. In areas of disease such as Swiss Needle Cast or *Phellinus weirii*, PCT can be used to favor species other than impacted Douglas-fir trees in the residual stand.

Pruning

No pruning activities are planned for this AOP beyond western white pine for disease prevention of blister rust. Approximately 35 acres are anticipated. This work will be accomplished by utilizing South Fork Camp crews.

Stocking Surveys

The Reforestation Unit has the responsibility of ensuring that the goals of the Forest Management Plan are met. Stocking surveys is one tool to ensure the stands are on track for the desired future condition. The surveys are done in order to check initial plantation survival at a time when the seedlings are vulnerable and there is still time to remedy problems, by using interplanting and animal damage control measures as examples. In addition, stocking surveys are conducted in order to assess free-to-grow status and to get baseline data on the stand for future management planning, for example evaluating release treatments and pre-commercial thinning candidates.

Invasive Species

Most noxious weeds or invasive plants are found along roads and have spread into plantations. The main sources for the weed introduction into the forest are vehicle tires, equipment moved into and out of district, and where soil disturbance occurs. 100% weed-free grass seed and certified weed-free straw used for mulch is required for project work on roads. Equipment washing is required in timber sale contracts to prevent the introduction of weed seed from other sites. It is also required that weed-free hay is used for feeding stock on State Forest Lands.

Reforestation continues to work with Marketing, Forest Roads, and REI Team personnel to identify appropriate steps that can be taken to prevent the introduction and spread of invasive plants. Knotweed, Scotch broom, and false brome are the primary species known to exist in the District. Active control measures are being planned and prioritized for roadside, in-unit, and trail treatment.

Roadside Vegetation Management

Reforestation works with the Forest Roads personnel on the management of vegetation alongside forest roads. Vegetation management protects the investment by preventing damage from unchecked vegetation growth, helps to maintain a safe driving environment by maintaining clear sight distance, controls noxious weeds, and reduces fire hazards. Roadside vegetation will be controlled manually, mechanically or chemically where necessary. The method used will depend on the characteristics of the vegetation and its location. During the spring of 2022, roadside vegetation surveys will be conducted to determine roadside chemical treatment needs for FY23. The project will be done by utilizing experienced contractors.

Recreation Management

Overview of Recreation Management

Recreation use has been taking place on the Tillamook State Forest for more than 70 years and has been managed in varying degrees. Currently the direction for management of the Recreation Program flows from the Northwest Oregon State Forest Management Plan (2010).

Recreation use includes hunting, fishing, target shooting, OHV riding, mountain biking, hiking, equestrian use, mushroom picking, sight-seeing, picnicking, boating, swimming, and camping. Recreation use takes place in developed sites and in dispersed sites across state forest land. Use levels for all activities are expected to increase.

Dispersed site activities are expected to continue in FY23 and will require varying degrees of Recreation Program and district staff attention. Dispersed use sites will be monitored, maintained, and improved or closed as resources allow to meet safety, sanitation, and resource protection objectives.

The FY23 plan focuses on maintaining current trails, facilities, and opportunities by maintaining the existing infrastructure, provide for public safety and sanitation, and mitigate damage to natural resources.

Due to facility and trail maintenance needs, winter weather limitations, timber sale activity, fire season restrictions, and staffing vacancies some project work from FY22 will extend into FY23. Covid-19 has had a direct influence on the delivery of project work, recreation opportunities and services on state forest land and will continue to influence operational opportunity in FY23.

Facilities (Campgrounds, Viewpoints, Trailheads, etc.)

The Recreation Program plans to operate and maintain the following developed facilities on the Forest Grove District:

- 5 campgrounds
- 2 day-use picnic areas
- 2 highway wayside interpretive sites
- 14 trailhead facilities
- 4 target shooting lanes

All developed facilities will be operated and maintained in good working order and will be kept clean and safe for public use. They will be managed to minimize user conflict and to avoid adversely impacting the resource.

FY23 Facility projects on the Forest Grove District are identified and described in the following table (Table 6).

Table 6. Developed and Dispersed Facility Projects

Project Type	Project Name	Work Resources	Project Description
Facility Improvement	Rogers Camp Trailhead Re-grade and Re-Rock	Recreation Staff, NWOA Roads Team	Construction – In partnership with the NWOA roads team, regrade and re-rock the parking area.
Facility Maintenance	Reehers Camp Kiosk Replacement	Recreation Staff, South Fork AIC Crew	Construction- Fabrication and Installation of informational kiosk
Facility Maintenance	Gales Creek Overlook Maintenance	Recreation Staff, Contractor	Construction – Repaint the parking lines at the Overlook’s parking area.
Facility Maintenance - (Planning)	Information Board Maintenance and Replacements	Recreation Staff	Planning – Evaluate current design standards and develop plan for future construction of information boards at recreation sites across the district.
Facility Maintenance – (Planning)	Site Sign Maintenance and Replacement	Recreation Staff	Planning – Evaluate current design standards and develop plan for future construction of site signs at recreation sites across the district.

Projects delineated as “planning” will be evaluated with public and/or specialist review over the next fiscal year. The “planning” projects will not be implemented during this fiscal year. Components of the projects may occur as specifically noted in Table A5.

Motorized (OHV) Trails

The Recreation Program will continue to place emphasis on trail system planning, maintenance, and upgrade of existing trails. Project work will continue to focus on upgrading and improving the designated OHV trail network in an effort to better connect the trail system, protect forest resources, minimize conflict with other forest management activities, re-establish trails after timber harvest, move trail users off the mainline haul and public use roads, reduce trail congestion and the potential for conflict between trail users, improve user safety, improve maintenance efficiency, and reduce infrastructure investments and maintenance workload.

To support OHV Program management, ODF receives All Terrain Vehicle (ATV) Fund dollars from Oregon Parks and Recreation Department to support personnel and associated service and supply costs.

FY23 motorized trail projects on the Forest Grove District are identified and described in the following table (Table 7).

Table 7. Motorized Trail Projects

Project Type	Project Name	Work Resources	Project Description
Trail Bridge Replacement	Military Trail Bridge Replacement	OHV Program Staff	Construction – Replace old trail bridge at existing location with new bridge or culvert.

Projects delineated as “planning” will be evaluated with public and/or specialist review over the next fiscal year. The “planning” projects will not be implemented during this fiscal year. Components of the projects may occur as specifically noted in Table A6.

Non-motorized Trails

The Recreation Program will continue to place emphasis on trail system planning, maintenance, and upgrade of existing trails. The Recreation Program will continue to place emphasis on improving trail system connectivity and diversity, reducing user conflict, addressing user safety, protecting resources and investment, improving sustainability, and reducing maintenance need.

FY23 non-motorized trail projects on the Forest Grove District are identified and described in the following table (Table 8).

Table 8. Non-Motorized Trail Projects

Project Type	Project Name	Work Resources	Project Description
Trail Maintenance	Trail Signage Maintenance and Replacement	Recreation Staff	Planning and Construction - Replace and construct trail signs across the district.
Trail Construction	Drifty Mountain Bike Trail	Recreation Staff, State Forest Resource Specialists, Volunteers	Planning, Design, and Construction – Drifty Trail is a gravity assisted one-way downhill mountain bike trail project. Project work will include completion of trail location and design, resource specialist review of the final trail location, and construction of the trail. Volunteers from the mountain bike community will complete the trail location, design, and construction work with ongoing guidance from ODF staff. Construction timing will be dependent on resource specialist review, internal workloads, and availability of volunteer resources.
Trail Bridge Construction	Wilson River Trail Segment D Bridge #2	Recreation Staff, State Forest Resource Specialists, South Fork AIC Crews	Planning, Design and Construction - Construct trail bridge #2 along the Wilson River Trail Segment D. Project work will include confirming location and length, as well as bridge type in coordination with the State Forest Engineer. Installation will take place during the fiscal year by ODF staff and South Fork crews.
Trail Bridge Replacement - (Planning)	Wilson River Trail Seasonal Bridge Replacement	Recreation Staff, State Forest Resource Specialists, Design Contractor	Planning – Completing bridge design for a year-round bridge across Elk Creek for the Wilson River Trail. Project work will include confirming location and length, as well as bridge type in coordination with the State Forest Engineer. Additional planning would be done for grant assistance to cover the estimated \$160,000 construction cost. Installation to take place in FY2024 or 2025.
Trail Bridge - (Planning)	Wilson River Trail Segment D Bridge #1	Recreation Staff, State Forest Resource Specialists, Design Contractor	Planning – Completing bridge design for trail bridge #1 along the Wilson River Trail Segment D. Project work will include confirming location and length, as well as bridge type in coordination with the State Forest Engineer. Additional planning would be done for grant assistance to cover the estimated \$100,000 construction cost. Installation to take place in FY2024 or 2025.
Trail Bridge Replacement - (Planning)	Wilson River Wagon Road Trail Bridge 5 Replacement	Recreation Staff, State Forest Resource Specialists	Planning – Work with the ODF Aquatic Specialist to determine the proper re-route of the existing trail and structure. Installation to take place in FY2025 or 2026. Project forwarded from FY21 AOP.

Projects delineated as “planning” will be evaluated with public and/or specialist review over the next fiscal year. The “planning” projects will not be implemented during this fiscal year. Components of the projects may occur as specifically noted in Table A6.

Trail Maintenance (OHV and Non-motorized)

Maintenance of existing trails remains the Recreation Programs highest trail program priority. Trails will be maintained as necessary to protect investment, address developing resource and safety issues, and to protect water quality. Trail maintenance activity includes the completion of trail condition assessments on all trails, development of maintenance strategies, and completion of maintenance work. Basic trail maintenance work typically involves cleaning water bars and rolling dips, cleaning out culverts, trail tread work, cleaning trail bridges, clearing downed trees, brushing, and sign replacement. Heavy trail maintenance work, which typically results from winter storms, includes repairing trail bridges, re-establishing trail tread in slide or washout areas, rebuilding stream ford crossings, clearing and logout work associated with heavy concentrations of downed trees, and rerouting trails due to slides, washouts, or safety issues.

The Recreation Program expects to complete condition assessments and trail clearing maintenance on all trails on the Forest Grove District (117 miles OHV and 70 miles non-motorized). Trail user safety, investment protection, and resource protection maintenance will be completed as needed. Other basic trail maintenance work is completed on most trails every two or three years. Approximately 35% to 45% of the network on the Forest Grove District will receive basic trail maintenance attention in FY23. Recreation Program staff will work with the state forest engineer to conduct trail bridge inspections that will help inform trail bridge maintenance needs.

Volunteer Program and Partnerships

Volunteer activities could include the below list if safety and Covid protocols can be met.

- Camp Host Program at Gales Creek, Reehers Camp, & Browns Camp Campgrounds
- Trail Maintenance and Construction Work Parties
- Adopt a Trail
- SOLVE Forest Clean-up

Covid-19 has influenced our ability to offer the same level of volunteer opportunity and engagement as has been offered in the past. Covid 19 will continue to have influence on delivery of this component of the Recreation Program. To the extent possible, within the bounds of Covid safety protocols, in FY23, activities associated with the volunteer program will include the recruitment, selection, and management of campground hosts; planning and management of trail maintenance, trail development, and special volunteer projects; and facilitation of Adopt a Trail program activities.

The Recreation Program will continue to look for opportunities to develop new partnerships and to enhance existing partnerships that will increase our collective capacity to meet program and project goals and objectives.

Event Management

Recreation staff will review and/or administer permits for 15 motorized events on the Tillamook State Forest. Events include motorcycle races, 4WD events, dual sport events,

and observed motorcycle trials. These events may change in scope, scale, or number as Covid protocols are further refined for group events.

Recreation and District staff will process and administer a limited number of permits for recreation related special uses of State Forest Lands. Special uses include commercial and non-commercial activities such as guide services, filming for advertisements, and trail running events. Special use permits for a 25K, 50k and marathon distance running event, a cross country running camp and hunting guides are planned for renewal in FY23.

Grants

The Recreation Program expects to apply for and administer several grants in FY23 to support project and program activity.

The program will be administering the following grants to support the construction phase of the Kings Mountain Trailhead Expansion Project.

- Land and Water Conservation Fund (Administration – Pending Approval by NPS)
- Recreation Trails Program Grant (Administration)
- Tillamook County Transient Lodging Tax Grant (Administration)

The program will be exploring applying for grants to support a variety of infrastructure projects across state forest land.

The Recreation Program will also be partnering with clubs and organizations that will be submitting grant applications to advance Recreation program work in NWOA.

Target Shooting

The Recreation Program, in collaboration with our partners in the target shooting community and Forest Grove District staff, will continue to work on implementing a target shooting management strategy that will work towards:

- Resolving the safety, sanitation, and environmental issues.
- Reducing the fire potential associated with target shooting.
- Developing public ownership and involvement in the development and implementation of the strategy.
- Maintaining safe and sustainable opportunities for recreational target shooting on the TSF.

Partnerships

ODF will continue to partner with local recreation providers such as Visit Tillamook Coast, the North Coast Trails Coalition, the user community, and Federal, State and County agencies. The long-term partnership with Tillamook County Sheriff's office will continue in FY23 with three full time Forest Deputies.

Other Integrated Forest Management Projects

Aquatic & Riparian Management

All fish bearing streams found in State Forests are subject to the Management Standards for Aquatic and Riparian Areas as outlined in Appendix J found in the Northwest Oregon State Forests Management Plan (2010). An objective of State Forests' aquatic resources is to maintain, enhance, and restore quality fish habitat. This is achieved primarily through riparian buffer strategies specific to the aquatic resource characteristics such as presence of fish, size, and flow duration. The goal of all riparian management prescriptions is to obtain mature forest conditions (e.g., development of the natural community appropriate for that site) as expediently as possible. Aquatic Anchors (AA) have been established on watersheds in the District in which additional aquatic conservation measures are applied when regeneration harvesting. Small, perennial, non-fish bearing streams will be protected with 50 foot no harvest buffers and all fish bearing streams and large and medium non-fish bearing streams will be protected with 100 foot no harvest buffers as per AA Species of Concern strategies.

Several strategies, described in the Forest Management Plan, dictate protection measures designed to protect, maintain, and restore aquatic and riparian functions. These strategies are employed during harvest activities and include but are not limited to: leave trees adjacent to streams to protect stream temperature, provide nutrients, protect stream banks, and eventually provide wood to improve fish habitat. Best management practices for road construction, reconstruction, and maintenance minimize impacts to water quality.

Threatened and Endangered Fish Species: Federally Threatened Salmon and Steelhead listed species with Critical Habitat Designations found within the District include Oregon Coast Coho Salmon, Upper Willamette River Chinook, and Upper Willamette River Steelhead.

Fish Distribution Surveys: Streams are classified in part as supporting fish (Type F) or not supporting fish (Type N). Riparian protection measures depend in part on the presence of fish. Many streams in the past have been surveyed with electro-fishing techniques that established the upper extent of fish use. However, many small streams have not yet been surveyed for fish presence. Streams needing classification in the AOP will be evaluated with a Physical Habitat Survey. The physical methodology was developed in conjunction with Oregon Department of Fish and Wildlife. The seasonal/perennial break in the streams will be evaluated during fish distribution surveys or during sale layout.

Restoration Goals and Identification Process: The overarching principles for fish habitat restoration are described in the Forest Management Plan. There are stream enhancement opportunities identified in association with some sales in this AOP. Before determining if these potential projects will go into a full planning process, more field review is needed. The ODF Aquatic and Riparian Specialist will be consulted to help identify these candidates and may consult with ODFW fish biologists as needed.

Potential Stream Projects may be associated with the following Timber Sales:

- BD Power
- Double Parked
- Two Mac

Other Planned Projects to improve aquatic areas within the FY23 AOP:

- The replacement of a bridge on Beaverdam Road near the 2.0 mile marker. District personnel will work with Resource Specialists and a contracted Licensed Engineer on this project.
- The design for the replacement of a bridge on Carlson Creek Road (Chicken Camp Bridge).
- 32 miles of road improvement including installing disconnect culverts, installing additional cross drain culverts and to add mitigation where applicable to hydrologically disconnect the roads from streams as possible. Hydrologic connectivity of the haul routes for the FY23 AOP is measured at 15.2%, it is estimated the percent connected will be reduced to 12.4% thru road improvements and mitigation.

Restoration accomplishments are reported to Oregon Watershed Enhancement Board using the Oregon Watershed Restoration Inventory electronic filing process and reported by ODF annually in our report to the counties, board of forestry, and Department of State Lands.

Land Exchange

There are no active land exchange projects for this AOP.

Law Enforcement and Public Safety

ODF and the Tillamook County Sheriff's Office (TCSO) partner to maintain 3 full time forest deputies that are funded through ATV grants and ODF dollars. Recreation Program and District staff work in partnership with the forest deputies, the TCSO, and the District staff to facilitate the law enforcement activity across the Tillamook State Forest. This partnership is managed out of the Tillamook District office

The forest deputies enforce state, federal, and forest recreation laws with an emphasis on ATV enforcement as they patrol the forest. Deputies also provide search and rescue services as needed. Fire laws pertinent to recreation use are enforced by the forest deputies, fire protection staff, and recreation staff. The forest deputies are essential to the success and overall management of the forest and their presence benefits all forest users.

Recreation program and District staff also work closely with the Washington County Sheriff's Office (WCSO) and Oregon State Patrol to support and facilitate law enforcement patrol, EMS, and search and rescue activities on the Tillamook State Forest in western Washington County.

Firewood Cutting Program

The primary objective of the District Firewood Cutting Program is to provide a source of firewood from State Forests to the public for personal use. The permit fee for personal firewood cutting is \$20 for two cords. Permits are issued for a period of three weeks. Historically firewood cutting has only been allowed outside the months of fire season.

Non-Timber Forest Products

Approximately 200 miscellaneous forest products permits are sold each year, mostly for salal and mushrooms, generating approximately \$20,000 in revenue.

Planning

Below are the significant district-level planning projects currently scheduled for commencement, completion, or both in FY23.

Archaeological, Historical and Cultural Resources

Prior to the FY23 AOP, Archaeologists from the Oregon Department of Transportation (ODOT) were the source of archeological review for State Forest operations. Several projects in the Forest Grove FY23 AOP were previously presented as alternate operations in FY22 and were reviewed at that time by ODOT for potential impacts to cultural resources. No known historical or archaeological sites were found during that review. However, ODOT's review of historic maps and other information indicated that there was human activity near some of our planned operations that could have led to the presence of cultural artifacts today.

Projects that were not covered prior to FY23 have been contracted out to a certified private contractor. This third party reviewed any remaining projects for potential impacts to cultural or historic resources.

The following areas (listed by historic activity) will be reviewed on the ground to determine if cultural artifacts are present:

- Cabin: Back Track
- Trail: BD Power
- House: CE Junction
- Cabin, Trail, and CCC Camp Reehers: Lou's Stew
- Wagon Road: Round Bell
- Trail: Seven Cedars Quarry
- Road/Trail: Skinny Kitty
- Cabin, Trail, and Road: Triple Crown
- Trail: West Rogers
- Road/Trail: Wildcat Fish Pipe

Forest Inventory

The State Forests Division is developing a lidar-based inventory that will replace SLI when completed. Lidar data was collected in 2020 for most ODF lands. Contract crews collected USFS FIA plots in 2021. The State Forest Division's Inventory Program is in the process of developing a raster-based estimate of forest biometrics across most of its ownership.

Wildlife Surveys

Northern Spotted Owl Surveys

For the FY23 AOP, the District will continue the northern spotted owl (NSO) survey program, in order to comply with federal and state Endangered Species Acts and to contribute to Forest Management Plan (FMP) goals. Survey requirements are determined in accordance with *ODF Northern Spotted Owl Operational Policies*, November 2017.

Marbled Murrelet Surveys

In FY23, the District will continue its marbled murrelet survey program in order to comply with Federal and State Endangered Species Acts and to contribute to Forest Management Plan goals. Survey requirements are determined in accordance with ODF policy, guidance, and survey protocols.

T&E Plants

The District will continue to screen harvest operations against the Oregon Biodiversity Information Center (Orbic) database and other known locations on the District to identify potential conflicts with plant species listed in the District IP.

Species of Concern Wildlife

The District will continue to screen harvest operations against several wildlife databases to identify potential conflicts with wildlife of concern listed in the District IP.

Research and Monitoring

The Forest Grove District will assist in a variety of research and monitoring projects in FY23. Examples include:

- ◆ Red alder research areas.
- ◆ White Pine Blister Rust resistance studies.
- ◆ OSU research areas (commercial thinning and wildlife studies).
- ◆ Commercial thinning and *Phellinus weirii* research areas.
- ◆ Commercial thinning and Swiss Needle Cast study areas.
- ◆ Riparian zone functions study areas.
- ◆ Green tree retention and seedling growth demonstration areas.
- ◆ OSU Intensive Forest Management study.

Recreation, Education, and Interpretation (REI) Program Planning – REI Program Wide

In FY23, REI program staff will be working on the following planning efforts.

- Support the State Forest Division's Forest Management Plan work, HCP work and District AOP development and implementation.

- Reservation Feasibility Study- Study the potential to move Browns Camp, Elk Creek, Stagecoach, Reehers Camp, and Gales Creek Campgrounds to a campsite reservation system for the 2023 operations season.
- Recreation Standards Development- REI to work with a consultant to develop a recreation program standards manual for recreation facility infrastructure (ex. fire pits, information boards, picnic tables, site signs...etc.)
- Volunteer Program Manual- The REI program is undergoing an extensive re-evaluation of the volunteer program including onboarding, communication, and recruitment components. The deliverable of this process will be development of a volunteer manual that will be applied across all forests and programs.

Other Planning Operations

During FY23, the District will continue to conduct Hydrological Connectivity Surveys on the road systems as time allows. In conjunction with the REI Team, the District will provide input and context to recreation planning. The district will also continue to participate in FMP and HCP reviews as needed.

Public Information and Education

Public Information and Involvement

Public information and involvement activities will include:

- Review and input regarding the FY23 Annual Operations Plan.
- Volunteer engagement in trail work parties, Solve cleanups, adopt a trail, adopt a project, camp host programs, and other aspects of the recreation program.
- OHV Trail System Plan Development.
- Recreation project planning and design.
- Outreach to underserved or underrepresented groups.

Public Education

Recreation program staff will be involved in a variety of projects focused on informing and educating the public and interpreting the natural and cultural history of the Tillamook State Forest (TSF). Public Education activities will include:

- Maintenance of the ODF website and the Tillamook State Forest Blog.
- Development, management, and maintenance of recreation facility and forest information board messaging.
- Update of Recreation Program maps and brochures.
- Engagement with partners on their website presence.
- Review and support of responsible target shooting messaging on social media prepared and managed by our partners in the recreational target shooting community.

The Tillamook Forest Center is located at mile post 22 on the Wilson River Highway and serves as a hub for public education, forest information, and information on recreational opportunities. The Tillamook Forest Center hosts more than 50,000 visitors per year. The Smith Homestead

Day Use Area is located ½ mile east of the Tillamook Forest Center and hosts many school groups, family activities, and other visitors.

Administration

During FY23 the district will be transitioning to a new organization. There will be 17 permanent positions whose full-time function is to manage State Forest land on the District and 4 permanent positions who work part-time on management of State Forest land. In addition, the District will be supported by the NWOA Recreation, Education, and Interpretation Team and the NWOA Operations Team as well as the Division Planning and Coordination Team. All are responsible for implementing the FY23 Annual Operations Plan. The district positions are divided into 4 functional groups: Forest Management, Forest Roads, Reforestation, and Administration. See the attached organizational chart.

There is a Marketing Unit which is responsible for all aspects of timber marketing. These activities include participating in the planning process, unit layout, assisting with road layout and design, timber cruising, timber sale appraisal, contract writing, contract administration, and coordinating with the REI, Planning, and Operations Teams.

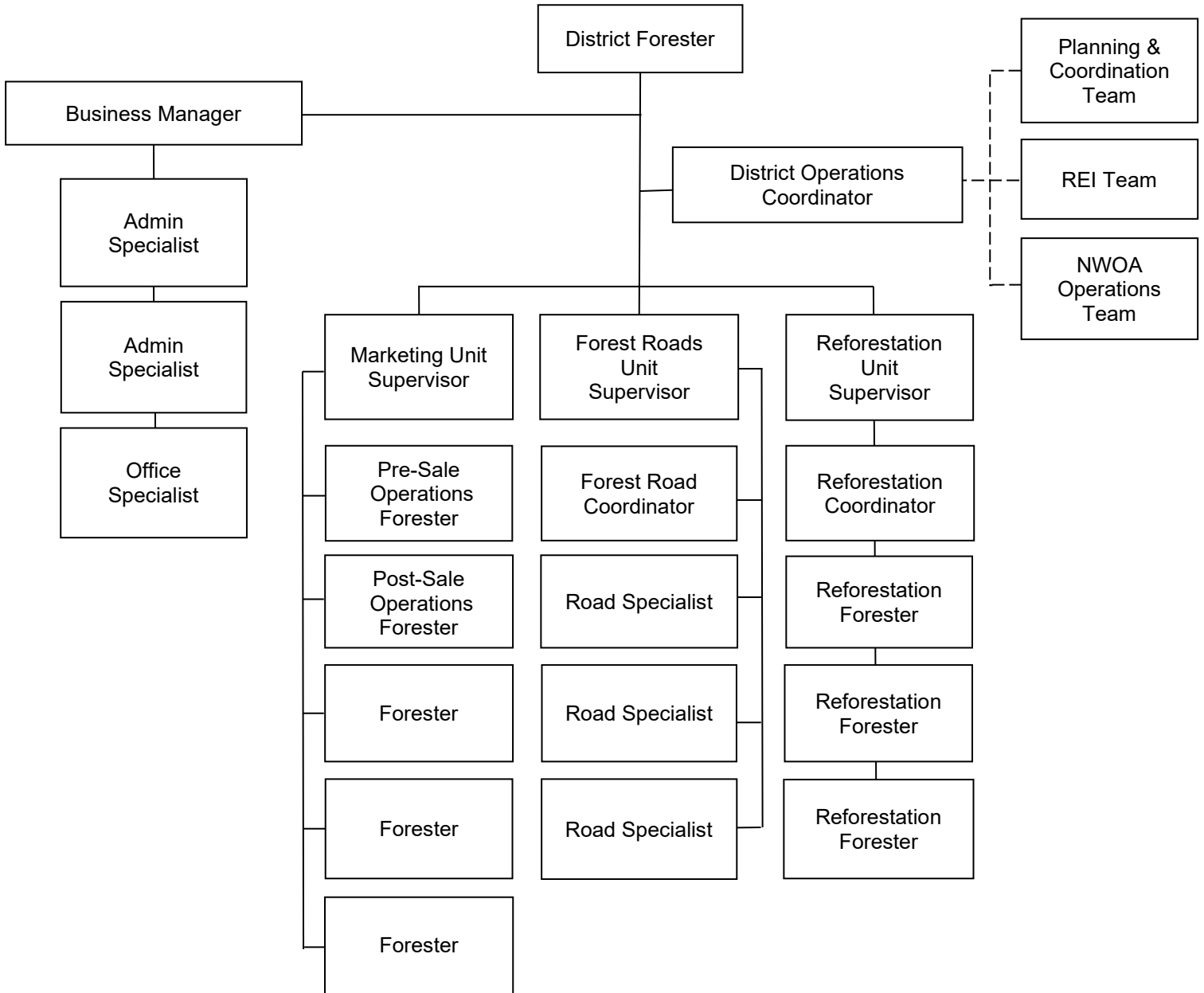
The Forest Roads unit is responsible for all aspects of road management and land surveying. These activities include road design and layout, rock pit development, road maintenance, property line location, road construction and improvement appraisals, contract preparation, and road contract administration. The Forest Roads unit works with the Operations, REI, and Planning & Coordination Team in developing the AOP.

The Reforestation unit is responsible for all activities in forest plantations from the time the harvesting is complete until the new stand produces commercial timber. The activities of this unit include site preparation, trapping, tree planting, vegetation management, tree improvement, and pre-commercial thinning. The reforestation unit also coordinates South Fork crews and administers contracts to complete these tasks. The Reforestation Unit will coordinate with the REI team as needed.

Administration consists of the District Forester, District Operations Coordinator, Office Manager, and Office Specialists. The District Forester and District Operations Coordinator provide policy direction, budget development, and oversight to the field units. The Office Manager, and Office Specialists provide clerical support to State Forest Management. These positions are responsible for initial public contact, distribution and filing of documents, and providing assistance at timber sale auctions. The Office Specialist is also responsible for issuing permits for firewood cutting, and special forest products.

Each of these units and teams are responsible for ensuring the management approaches, activities, and projects are designed to meet the goals, strategies, and objectives of the FMP, Implementation Plan, AOP, and Recreation Plan. The sales and projects are coordinated across the district and with the NWOA and Division Teams from the development of the AOP to the final sale administration for consistency within and between units to meet common goals.

Forest Grove District Organization Chart



APPENDICES

A. Summary Tables –

1. Harvest Operations – Financial Summary
2. Harvest Operations – Forest Resource Summary
3. Forest Road Management Summary
4. Reforestation and Young Stand Management Summary
5. Recreation Site Management Summary
6. Recreation Trail Management Summary
7. Recreation Grant Management Summary

B. Maps

1. Harvest Operations Vicinity Map
2. Recreation Projects Vicinity Map
3. Recreation Facilities Vicinity Map

C. Consultations with Other State Agencies

This appendix summarizes the results of consultations with the Oregon Department of Fish and Wildlife, Oregon Department of Transportation and other agencies as appropriate.

D. Public Involvement

This appendix will describe the results of the public involvement process of this AOP.

E. Pre-Operations Reports

Pre-Operations Reports are available from the district upon request.

F. FY23 AOP Major Modification

G. District Implementation Plan Minor Modification – Landscape Design

Appendix A

Summary Tables

- **Table A-1: Commercial Forest Management Operations - Financial Summary**
- **Table A-2: Commercial Forest Management Operations – Forest Resource Summary**
- **Table A-3: Forest Roads Summary**
- **Table A-4: Reforestation and Young Stand Management Summary**
- **Table A-5: Recreation Site Management – Financial Summary**
- **Table A-6: Recreation Trail Management – Financial Summary**
- **Table A-7: Recreation Grant Management – Financial Summary**

TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date: 06/14/2022

AOP Sale Name	Fund %		County	Sale Quarter	Net Acres		Volume (MMBF)			Value			
	BOF	CSL			Partial Cut	Clear-cut	Conifer	Hard-woods	Total	Gross	Projects	Net	
BD Power	100%		Till	2		108	3.5		3.5	\$1,989,365	\$127,000	\$1,862,365	
Bolero	100%		Clat	3		80	3.4		3.4	\$1,898,400	\$0	\$1,898,400	
Double Parked	100%		Wash	3		154	7.1		7.1	\$4,002,460	\$296,500	\$3,705,960	
Front Nine	100%		Till	4		154	6.3		6.3	\$3,725,260	\$156,600	\$3,568,660	
Hog Heaven	100%		Till	1		112	4.7		4.7	\$2,446,080	\$181,500	\$2,264,580	
Lou's Stew ¹	100%		Till/Wash	1	194	52	2.7		2.7	\$1,170,840	\$133,900	\$1,036,940	
Nor Skogg	100%		Wash	2		106	4.7		4.7	\$2,751,760	\$150,200	\$2,601,560	
Round Bell	100%		Wash	3		120	3.7		3.7	\$2,194,800	\$138,000	\$2,056,800	
Scoggins Divide	100%		Wash	4		84	3.4		3.4	\$1,773,660	\$154,800	\$1,618,860	
Two Mac	100%		Clat	1		190	8.9		8.9	\$4,796,820	\$450,900	\$4,345,920	
Two Windy	100%		Wash	2		150	6.2		6.2	\$3,198,000	\$81,000	\$3,117,000	
West Rogers	100%		Till	4		204	7.8		7.8	\$3,992,280	\$116,200	\$3,876,080	
Sub-total:						194	1,514	62.2	0.0	62.2	\$33,939,725	\$1,986,600	\$31,953,125
Project WOC Sub-total:						0	0	0.0	0.0	0.0		\$1,005,000	
Total:						194	1,514	62.2	0.0	62.2	\$33,939,725	\$2,991,600	\$30,948,125

Alternate Operations

Back Track ²	100%		Till/Wash		97	59	4.5		4.5	\$2,222,640	\$330,300	\$1,892,340
Bible Creek	100%		Till		246		2.1		2.1	\$815,880	\$47,500	\$768,380
CE Junction	100%		Till			117	4.0		4.0	\$2,247,570	\$49,800	\$2,197,770
Skinny Kitty	100%		Wash		139		1.0		1.0	\$406,770	\$38,500	\$368,270
Triple Crown	100%		Till			149	5.8		5.8	\$3,261,180	\$99,800	\$3,161,380
Wolf's End	100%		Wash			113	4.2		4.2	\$2,153,215	\$155,400	\$1,997,815
Total:					482	438	21.6	0.0	21.6	\$11,107,255	\$721,300	\$10,385,955

¹ Lou's Stew - 144 acres PC in Tillamook County, 52 acres MC in Tillamook County, 50 acres PC in Washington County

² Back Track - 67 acres PC in Washington County, 30 acres PC in Tillamook County, 59 acres of MC in Washington County

PRIMARY HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

District: Forest Grove

Fiscal Year 2023

Date: 06/14/2022

This table lists Forest Resources and other issues addressed within Pre-Operations Report due to their presence within or near harvest operations

Primary Harvest Operations	Unit (Optional)	Forest Health Issues ¹	Invasive Species	LYR/OFS Structures ²	Landscape Design LYR/OFS ³	Install/Replace Culverts on Fish Bearing / Perennial Streams	Harvesting within 100' of Fish Bearing Stream	Domestic Water Source	Potential Stream Habitat Improvement ⁴	Within Aquatic Anchor	Within Terrestrial Anchor	Operating within a NSO Provincial Circle (BA Required)	Operating within a MMMA (BA Required)	Murrelet Timber Sale Screening Process Required (MM Policy 2.27)	T&E Fish Adjacent to Harvest Unit / Haul Route ⁵	T&E Plants	Geotechnical Issues Needing Field Review	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues
BD Power	1	-	X	-	-	X	-	-	X	X	-	-	-	-	X	-	-	X	X	-	
Bolero	1	-	X	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	
Double Parked	1, 2	-	X	-	-	X	-	-	X	-	-	-	-	-	X	-	-	X	-	X	
Front Nine	1, 2, 3	-	X	-	-	-	-	-	-	X	-	-	-	-	X	-	-	-	-	-	
Hog Heaven	1	-	X	X	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	3 acres with Current Condition of LYR
Lou's Stew	1 - 6	X	X	-	X	-	-	-	-	X	X	-	-	-	X	-	-	-	X	-	Unit 1 Partial Cut DFC = Layered & within TAS
Nor Skogg	1	-	X	-	-	X	-	-	-	-	-	-	-	-	X	-	-	-	-	-	
Round Bell	1	-	X	-	-	-	-	X	-	X	-	-	-	-	X	-	-	X	X	-	
Scoggins Divide	1	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Two Mac	1, 2	-	X	-	-	-	-	-	X	-	-	-	-	-	X	-	-	-	-	-	
Two Windy	1, 2	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
West Rogers	1, 2	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-	X	X	-	

¹ A 'x' (in any column) indicates yes the resource or other issue occurs within or near the harvest operation and is addressed by the Pre-Operations Report

² A 'x' indicates the harvest operation contains stands that are currently in a Layered or Older Forest Stand Structure

³ A 'x' indicates that the operation contains areas that have been designated for the development of complex forest stands (LYR/OFS)

⁴ The final decision on these projects will occur during sale preparation and inconultation with ODFW.

⁵ This table lists harvest operations (units or log haul routes) that are adjacent to streams that are known to contain T&E fish. The Pre-Operation Report identifies whether T&E fish are present in the basin.

ALTERNATE HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

This table lists Forest Resources and other issues addressed within Pre-Operations Report due to their presence within or near harvest operations

Alternate Harvest Operations	Unit (Optional)	Forest Health Issues ¹	Invasive Species	LYR/OFS Structures ²	Landcape Design LYR/OFS ³	Install/Replace Culverts on Fish Bearing/ Perennial Streams	Harvesting within 100' of Fish Bearing Stream	Domestic Water Source	Potential Stream Habitat Improvement ⁴	Within Aquatic Anchor	Within Terrestrial Anchor	Operating within a NSO Provincial Circle	Operating within a MIMMA (BA Required)	Murrelet Timber Sale Screening Process Required (MM Policy 2.27)	T&E Fish Adjacent to Harvest Unit / Haul Route ⁵	T&E Plants	Geotechnical Issues Needing Field Review	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues
Back Track	1, 2	-	X	-	-	X	-	-	-	X	-	-	-	-	X	-	-	X	X	-	
Bible Creek	1 - 4	-	X	-	-	-	-	-	-	-	-	-	-	-	X	-	-	X	-	-	
CE Junction	1	-	X	-	X	-	-	-	-	-	-	-	-	-	X	-	-	-	X	-	5 acres proposed for Minor Modification with this plan
Skinny Kitty	1, 2, 3	-	X	-	-	-	-	X	-	-	-	-	-	-	X	-	-	-	X	-	
Triple Crown	1, 2, 3	-	X	-	-	-	-	-	-	X	-	-	-	-	X	-	-	-	X	-	
Wolfs End	1	-	X	X	-	X	-	-	-	-	-	-	-	-	X	-	-	-	-	-	92 acres with Current Condition of LYR

¹ A 'x' (in any column) indicates yes the resource or other issue occurs within or near the harvest operation and is addressed by the Pre-Operations Report

² A 'x' indicates the harvest operation contains stands that are currently in a Layered or Older Forest Stand Structure

³ A 'x' indicate that the operation contains areas that have been designated for the development of complex forest stands (LYR/OFS)

⁴ The final decision on these projects will occur during sale preparation and inconultation with ODFW.

⁵ This table lists harvest operations (units or log haul routes) that are adjacent to streams that are known to contain T&E fish. The Pre-Operation Report identifies whether T&E fish are present in the basin.

FOREST ROADS SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date: 06/14/2022

Primary Operations	Construction		Improvement		Other Projects	Total Project Costs	Gross Value of Operation	Total Cost as a percent of Gross Value	Comments
	Miles	Cost	Miles	Cost					
BD Power	0.00	\$0	2.55	\$102,000	\$25,000	\$127,000	\$1,989,365	6.4%	
Boiero	0.00	\$0	0.00	\$0	\$0	\$0	\$1,898,400	0.0%	
Double Parked	0.60	\$60,200	4.32	\$236,300	\$0	\$296,500	\$4,002,460	7.4%	
Front Nine	0.00	\$0	2.68	\$156,600	\$0	\$156,600	\$3,725,260	4.2%	
Hog Heaven	0.35	\$30,000	4.03	\$151,500	\$0	\$181,500	\$2,446,080	7.4%	
Lou's Stew	1.80	\$90,200	0.42	\$33,700	\$10,000	\$133,900	\$1,170,840	11.4%	
Nor Skogg	1.05	\$105,400	0.75	\$44,800	\$0	\$150,200	\$2,751,760	5.5%	
Round Bell	0.00	\$0	3.07	\$138,000	\$0	\$138,000	\$2,194,800	6.3%	
Scoggins Divide	0.58	\$57,700	1.39	\$97,100	\$0	\$154,800	\$1,773,660	8.7%	
Two Mac	0.79	\$39,300	9.53	\$290,400	\$121,200	\$450,900	\$4,796,820	9.4%	
Two Windy	0.22	\$18,500	1.96	\$62,500	\$0	\$81,000	\$3,198,000	2.5%	
West Rogers	0.26	\$13,000	1.29	\$103,200	\$0	\$116,200	\$3,992,280	2.9%	
Sub-total	5.6	\$414,300	32.0	\$1,416,100	\$156,200	\$1,986,600	\$33,939,725	5.9%	
Sub-total WOC (see below)	0.0	0.0	0.0	0.0	\$1,005,000	\$1,005,000	\$0		
Totals	5.6	\$414,300	32.0	\$1,416,100	\$1,161,200	\$2,991,600	\$33,939,725	8.8%	

Alternate Operations

Back Track	2.14	\$214,000	0.65	\$16,300	\$100,000	\$330,300	\$2,222,640	14.9%	
Bible Creek	0.00	\$0	4.74	\$47,500	\$0	\$47,500	\$815,880	5.8%	
CE Junction	0.00	\$0	1.39	\$34,800	\$15,000	\$49,800	\$2,247,570	2.2%	
Skinny Kitty	0.77	\$38,500	0.00	\$0	\$0	\$38,500	\$406,770	9.5%	
Triple Crown	0.06	\$5,900	3.76	\$93,900	\$0	\$99,800	\$3,261,180	3.1%	
Wolfs End	0.00	\$0	5.18	\$155,400	\$0	\$155,400	\$2,153,215	7.2%	
Total	2.97	\$258,400	15.7	\$347,900	\$115,000	\$721,300	\$11,107,255	6.5%	

Road Projects Not Associated with Harvest Operations in this AOP: None

Road Projects to be Completed as a Work Order Contract

Operation	Construction		Improvement		Other Projects	Total Project Costs	Funding Source	Comments
	Miles	Cost	Miles	Cost				
Beaverdam Bridge install	0.00	\$0	0.00	\$0	\$500,000	\$500,000	FDF	Bridge Replacement Project
Beaverdam Bridge Construction Administration	0.00	\$0	0.00	\$0	\$10,000	\$10,000	FDF	Engineer oversight during construction
Lock, Block and Make Go Away	0.00	\$0	0.00	\$0	\$20,000	\$20,000	FDF	Access management for public safety or resource protection
Chicken Camp Bridge Design	0.00	\$0	0.00	\$0	\$25,000	\$25,000	FDF	Design of bridge replacement
Crushing Kitty	0.00	\$0	0.00	\$0	\$450,000	\$450,000	FDF	Rock crushing contract
Total	0.00	\$0	0.00	\$0	\$1,005,000	\$1,005,000		

REFORESTATION AND YOUNG STAND MANAGEMENT SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date: 06/14/2022

Projects Conducted by ODF Staff or Contractors	Board of Forestry Common School Forest Lands						District	Forest Grove
	Acres Planned	Average Cost*/Acre	BOF Cost	Acres Planned	Average Cost*/Acre	CSL Cost	Total Acres	Total Cost
	Site Prep - Broadcast Burning	0	\$0.00	\$0.00			\$0.00	0
Site Prep - Piling Burning	750	\$19.54	\$14,655.00			\$0.00	750	\$14,655.00
Site Prep - Mechanical	164	\$83.25	\$13,653.00			\$0.00	164	\$13,653.00
Site Prep - Chemical - Aerial	959	\$67.00	\$64,253.00	70	\$67.00	\$4,690.00	1,029	\$68,943.00
Site Prep - Chemical - Ground	320	\$116.00	\$37,120.00			\$0.00	320	\$37,120.00
Initial Planting	1,297	\$190.00	\$246,430.00	70	\$190.00	\$13,300.00	1,367	\$259,730.00
Interplanting	275	\$150.00	\$41,250.00			\$0.00	275	\$41,250.00
Underplanting	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Tree Protection - Barriers	335	\$99.55	\$33,349.25			\$0.00	335	\$33,349.25
Tree Protection - Direct Control	334	\$120.00	\$40,080.00			\$0.00	334	\$40,080.00
Release - Chemical - Aerial	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Release - Chemical - Ground	250	\$116.00	\$29,000.00			\$0.00	250	\$29,000.00
Release - Manual	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Precommercial Thinning	175	\$180.00	\$31,500.00			\$0.00	175	\$31,500.00
Pruning	0	\$0.00	\$0.00			\$0.00	0	\$0.00
*Stocking Surveys	2,900	\$0.00	\$0.00			\$0.00	2,900	\$0.00
Invasive Species	245	\$118.00	\$28,910.00			\$0.00	245	\$28,910.00
Roadside vegetation Mngt	100	\$200.00	\$20,000.00			\$0.00	100	\$20,000.00
*Other	500	\$0.00	\$0.00			\$0.00	500	\$0.00
Totals	8,604	--	\$600,200.25	140	--	\$17,990.00	8,744	\$618,190.25

* Work to be completed by ODF staff; cost are for materials only

Projects Conducted by Adults in Custody <i>(costs are for materials only)</i>	Board of Forestry			Common School Forest Lands			District	Forest Grove
	Acres Planned	Average Cost*/Acre	BOF Cost	Acres Planned	Average Cost*/Acre	CSL Cost	Total Acres	Total Cost
Site Prep - Broadcast Burning	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Site Prep - Piling Burning	250	\$0.00	\$0.00			\$0.00	250	\$0.00
Site Prep - Mechanical	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Initial Planting	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Interplanting	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Underplanting	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Tree Protection - Barriers	518	\$67.52	\$34,975.36			\$0.00	518	\$34,975.36
Tree Protection - Direct Control	554	\$0.00	\$0.00			\$0.00	554	\$0.00
Release - Manual	250	\$0.00	\$0.00			\$0.00	250	\$0.00
Precommercial Thinning	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Pruning	35	\$0.00	\$0.00			\$0.00	35	\$0.00
Invasive Species	100	\$0.00	\$0.00			\$0.00	100	\$0.00
Other	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Totals	1,707	--	\$34,975.36	0	--	\$0.00	1,707	\$34,975.36

Grant Funded Activities	Board of Forestry			Common School Forest Lands			District	Forest Grove	Funding
Project	Acres Planned	Average Cost*/Acre	Cost	Acres Planned	Average Cost*/Acre	Cost	Total Acres	Total Cost	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	

RECREATION SITE MANAGEMENT SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date : 06/14/2022

Project	Construction Cost (Funding)		Improvement Cost (Funding)		Operations/Maint. (Funding)		Total Costs	Comments
	ODF (\$)	Other (\$)	ODF (\$)	Other (\$)	ODF (\$)	Other (\$)		
Campgrounds								
Stagecoach Horsecamp					\$1,000		\$1,000	Vault Service (1000)
Gales Creek Campground					\$9,000		\$9,000	Vaults (6000), Garbage (3000)
Reehers Camp			\$2,500		\$6,400		\$8,900	Vaults (4500), Garbage (1900), Kiosk Replacement (Fabrication and construction by South Fork AIC Crews 2500)
Browns Camp						\$19,000	\$19,000	Vaults (9000), Garbage (10000) ATV Fund transfer dollars
Elk Creek Campground					\$8,800		\$8,800	Vault (4000), 2 portable toilets at the TH for 16 weeks (4800)
Designated Dispersed Campsites								
Little Browns Camp						\$5,800	\$5,800	Garbage Service 10 weeks (1000). 2 portable toilets for 4 months (4800). ATV Fund transfer dollars
Lyda Camp						\$4,800	\$4,800	2 portable toilets for 4 months (4800). ATV Fund transfer dollars
Day Use Areas								
See Campgrounds for day use areas and campground associated trailhead sites							\$0	

Trailheads								
Kings Mountain	\$190,000				\$3,000		\$193,000	Vault Service (3000), Construction (190,000)This is match in support of grant funds
Summit Trailhead							\$0	
Rogers Camp Trailhead					\$2,000	\$2,000	\$4,000	Vault Service (4000)
Bell Camp Trailhead					\$0		\$0	Maintenance
Storey Burn Trailhead					\$0		\$0	Maintenance
Fear and Loaming Trailhead					\$0		\$0	Maintenance
Drift Creek Trailhead					\$0		\$0	Maintenance
Deyoe Creek Trailhead					\$0		\$0	Maintenance
University Falls Trailhead					\$0		\$0	Maintenance
Upper Raven Ridge Trailhead					\$0		\$0	Maintenance
Lower Raven Ridge Trailhead					\$0		\$0	Maintenance
Interpretive Sites								
Gales Creek Overlook					\$2,000		\$2,000	Asphalt sealing and parking striping
Sunset Rest Area							\$0	
Other Operations								
Dumpsites, Vandalism, & Abandoned Vehicles							\$8,000	Across All Districts
Recreational Facility Directional Signing			\$6,000				\$6,000	Planning, Fabrication, and Installation for NWOA Recreation Facilities
Volunteer Program					\$12,000		\$12,000	Recognition/Supplies/Services (Potable Water, Electricity, Phone) - Across all districts
Other Operations Expenses					\$62,000	\$7,800	\$69,800	All Districts - Supplies and services for developed and dispersed facility operations - Well testing (2,500), county well reviews (1,800), well maintenance (4,000), fee envelopes (500), dust abatement (10,000), hazard tree removal, tools and equipment (15,000), invasive species and weed removal (2,000), general operations supplies (20,000) and uniforms (6,000), trail maps and brochures (8,000).
NWOA Janitorial Contract					\$60,000	\$25,000	\$85,000	NWOA Facilities (OHV and Non-Motorized)
Recreation Standards Manual Development (NWOA)			\$22,500	\$7,500			\$30,000	75% FDF, 25% ATV Fund
							FDF Total	\$387,200
							Other Total	\$71,900
							TOTAL	\$467,100

RECREATION TRAIL MANAGEMENT SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date : 06/14/2022

Project	Construction Projects			Improvement Projects			Operations & Maintenance Projects			Total Costs	Comments
	Miles	ODF (\$)	Other (\$)	Miles	ODF (\$)	Other (\$)	Miles	ODF (\$)	Other (\$)		
Non-Motorized											
Wilson River Trail Trail Segment D	6.0	\$54,000								\$54,000	Trail construction project. South Fork, Volunteers, and Northwest Youth Corps. Continuation of project construction (FY22 project).
Wilson River Trail Segment D Bridge #2		\$24,000								\$24,000	Planning, Design, and construction of a 45' long trail bridge
Bridge Inspections (15)								\$10,500		\$10,500	Contractor for inspections in NWOA (700/Bridge)
Trail Maintenance							70.0	\$5,000		\$5,000	Material costs only
Trail Sign Maintenance and Replacement								\$3,000		\$3,000	South Fork Fabrication
Wilson River Trail Segment D Bridge #1 Design								\$30,000		\$30,000	Planning and design of a 67 foot bridge
Wilson River Trail Segment C Bridge Design (Elk Creek Xing)								\$30,000		\$30,000	Planning and design of a estimated 100 foot bridge
Motorized											
Military Trail Bridge #1						\$15,000				\$15,000	Bridge replacement. (Carry over from FY22 planning project)
Trail Maintenance							117.0		\$2,000	\$2,000	OHV Trail Crew & Volunteers, \$2000 for Contractor Fabrication. Recreation Program Staff Install. ATV Funds & Donations
Trail Sign Replacement									\$1,500	\$1,500	OHV Equipment Maintenance and Repairs (NWOA OHV Program)
OHV Equipment Maintenance									\$9,000	\$9,000	OHV Equipment Rental (NWOA OHV Program)
Equipment Rental									\$6,000	\$6,000	PPE, Bridge Repair Material, Culverts, Sign Posts..etc. (NWOA OHV Program)
Special Projects and Field Supplies									\$20,000	\$20,000	Contractor for inspections in NWOA (700/bridge). ATV Transfer Funds
Bridge Inspections (10)									\$7,000	\$7,000	
										FDI Total	\$156,500
										Other Total	\$60,500
										TOTAL	\$217,000

*A portion of the motorized recreation costs are funded through OPRD ATV funds.

RECREATION GRANT MANAGEMENT SUMMARY

District: Forest Grove

Fiscal Year: 2023

Date : 06/14/2022

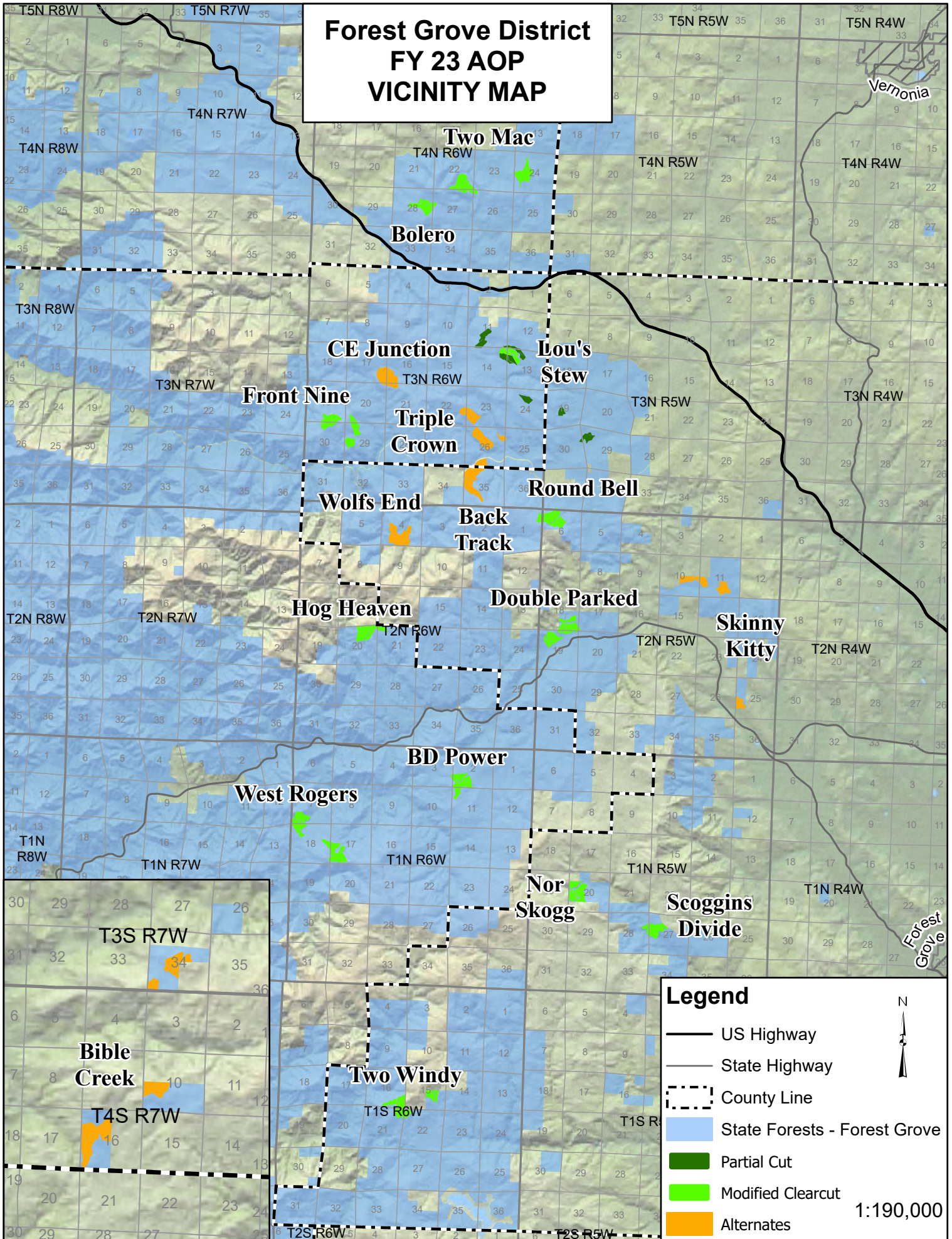
Grant	Status	Award Date (actual or anticipated)	Recreation Leadership Approval	Goals/Purpose		Funding		Project Total	Comments
						Grant (\$)	Match (\$)		
Recreation Trails Program Grant	Application to be submitted in November 2022.	Anticipated - In FY22 - (June 2023)		To support construction of Wilson River Trail Bridges		\$212,000	\$53,000	\$265,000	20% match required. Match dollars would be needed in FY24 or FY25. Grant cycle to open September 1st 2022.
								\$0	
						Grants Total		\$212,000	
							Match Total		\$53,000
							TOTAL		\$265,000

Appendix B








Vicinity Maps

- **Harvest Operations Vicinity Map**
- **Recreation Projects Vicinity Map**
- **Recreation Facilities Vicinity Map**

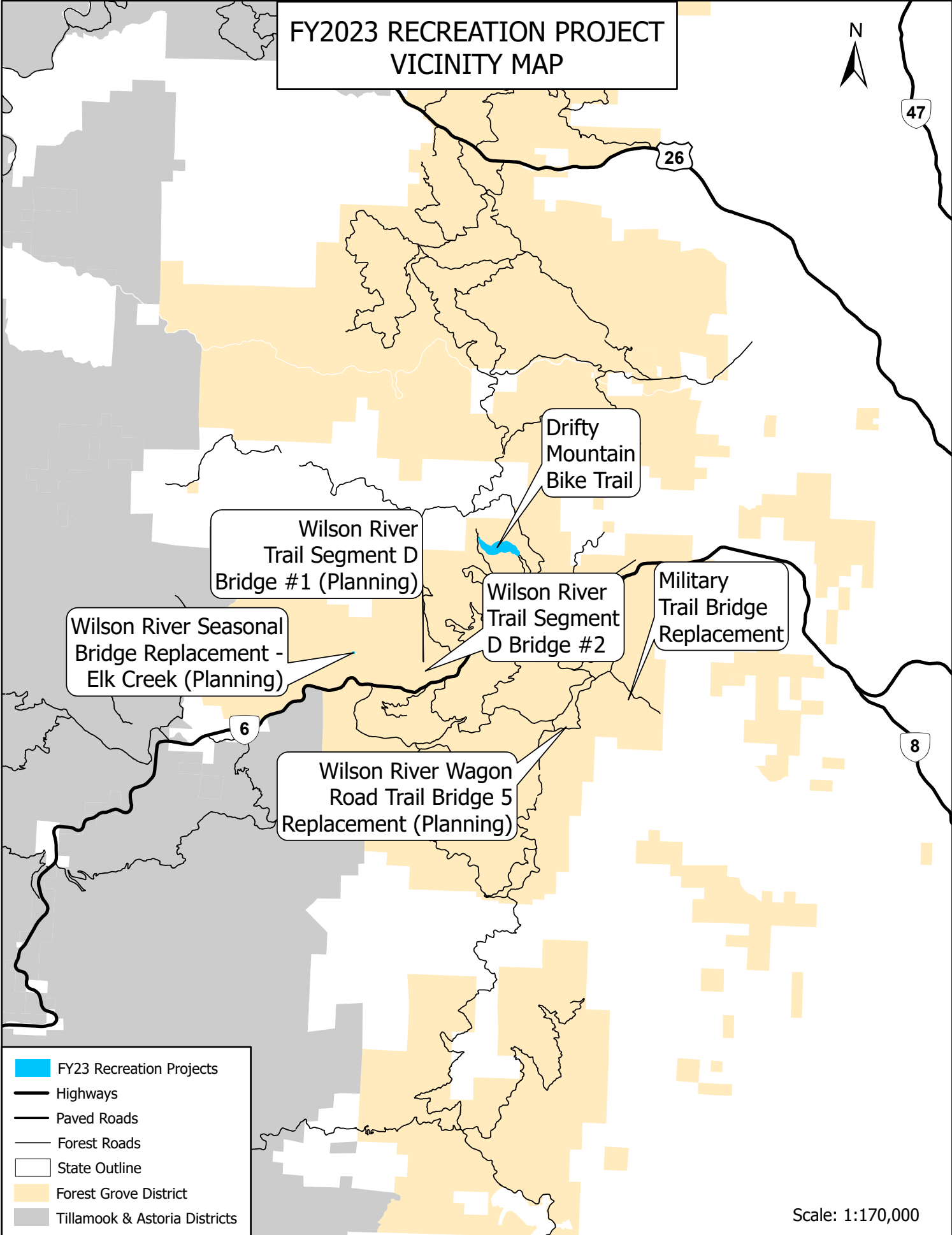
Forest Grove District FY 23 AOP VICINITY MAP



Legend

-  US Highway
 -  State Highway
 -  County Line
 -  State Forests - Forest Grove
 -  Partial Cut
 -  Modified Clearcut
 -  Alternates
- 1:190,000

FY2023 RECREATION PROJECT VICINITY MAP



Wilson River Seasonal Bridge Replacement - Elk Creek (Planning)

Wilson River Trail Segment D Bridge #1 (Planning)

Wilson River Trail Segment D Bridge #2

Military Trail Bridge Replacement

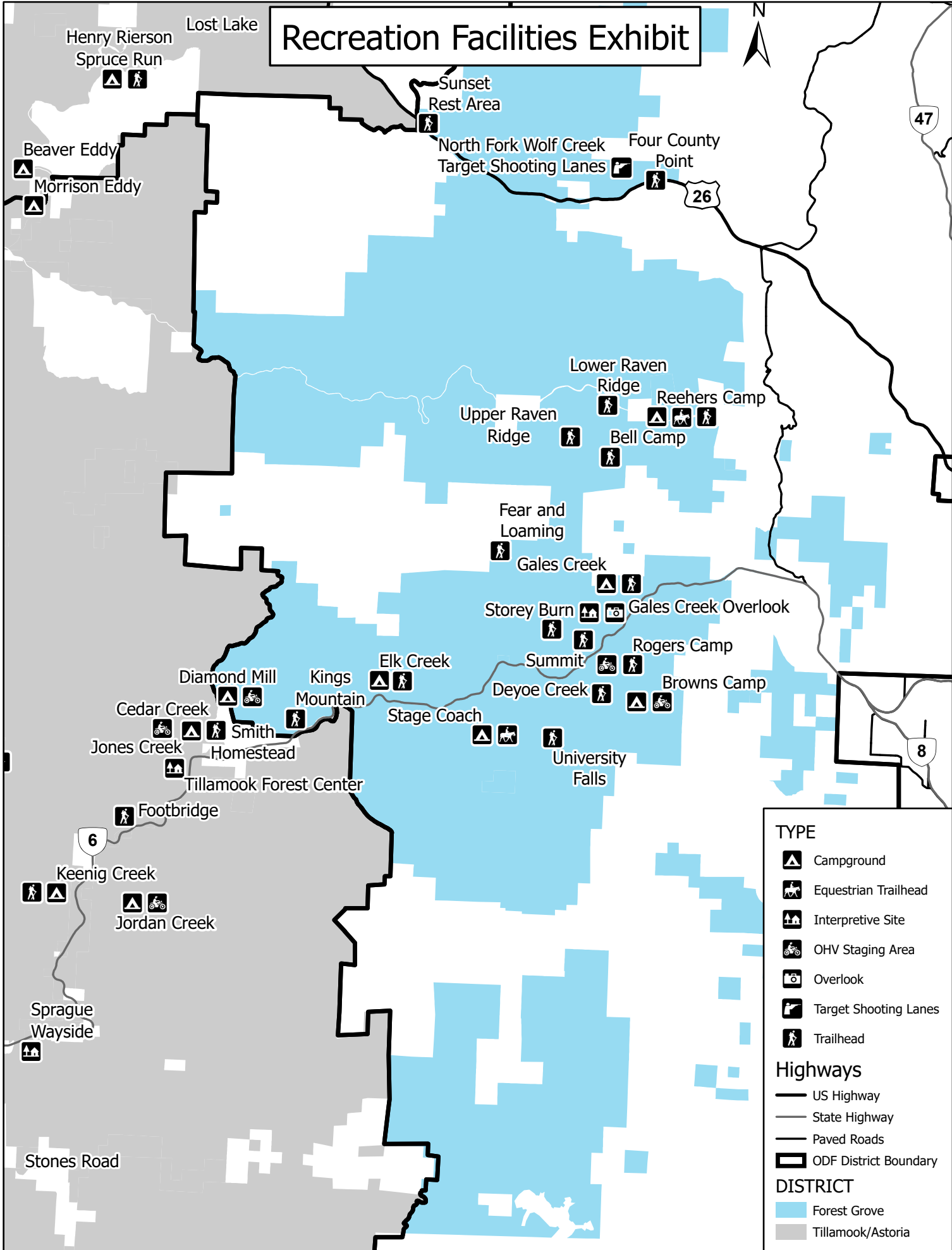
Wilson River Wagon Road Trail Bridge 5 Replacement (Planning)

Drifty Mountain Bike Trail

- FY23 Recreation Projects
- Highways
- Paved Roads
- Forest Roads
- State Outline
- Forest Grove District
- Tillamook & Astoria Districts

Scale: 1:170,000

Recreation Facilities Exhibit



- TYPE**
- Campground
 - Equestrian Trailhead
 - Interpretive Site
 - OHV Staging Area
 - Overlook
 - Target Shooting Lanes
 - Trailhead
- Highways**
- US Highway
 - State Highway
 - Paved Roads
 - ODF District Boundary
- DISTRICT**
- Forest Grove
 - Tillamook/Astoria

Appendix C

Consultations with Other State Agencies

Oregon Department of Fish and Wildlife (ODFW):

ODFW biologists were provided the Summary Document and Pre-Operations Reports for review. A follow up cooperator/specialist meeting was held to address questions and concerns. ODF&W expressed an interest in working with ODFs Stream Specialist on identifying potential stream enhancement projects and prescriptions throughout the coming fiscal year.

Appendix D

PUBLIC COMMENT PROCESS FOR THE FY23 ANNUAL OPERATIONS PLAN

The Oregon Department of Forestry issued a Press Release in March 2022, announcing a formal 45-day public comment period for the FY23 Annual Operations Plans from March 21, 2022 through May 5, 2022.

The purpose of the Public Comment Period is to provide an opportunity for the public to review the AOP, ask questions, make recommendations and offer comments. As a public agency, ODF strives to operate in the best interest of Oregonians. We provide opportunities for public participation to assist us in securing the greatest permanent value from state forests for all Oregonians.

The following changes have been made to the Forest Grove FY23 AOP since the Public Comment Period:

Pre-Operations Reports:

- Due to updated stream information, the following changes have been made:
 - Additional stream buffers added to Two Windy Unit 1, Skinny Kitty Units 2 and 3, and West Rogers Unit 2.
 - Edits to stream buffers in Bible Creek Units 1, 2, and 3, and Lou's Stew Units 1, 2, and 5.
- The boundary of West Rogers Unit 1 was reduced by 12 acres to ensure the unit is less than 120 acres and the adjacent stand makes a logical future sale.
- Clarification made to the Green Tree Retention Strategy wording in the Scoggins Divide and Nor Skogg Pre-Operations Reports.
- After further field review, updates have been made to the Road Vacating and Planned New Construction along Carlson Creek Road associated with Lou's Stew timber sale. This project will vacate approximately 1,970 feet of Carlson Creek Road which parallels a perennial stream and constructs approximately 2,100 feet of new road uphill of the existing road.
- The Pre-Operations Reports, maps, Summary Tables and the Summary Document have been updated to reflect these changes.

Recreation:

- Drifty Trail, a gravity assisted one-way downhill mountain bike trail project, has been added as an implementation project to the FY23 AOP.

Below is a link to a summary of all comments received for the FY23 AOPs and ODF's responses to those comments.

<https://www.oregon.gov/odf/documents/aboutodf/2023-aop-public-comment-summary.pdf>

Appendix E

Pre-Operations Report

Pre-Operations Reports are available online through a Web Application at the following link:

<https://geo.maps.arcgis.com/apps/webappviewer/index.html?id=ae569c1ff445457eb8fe1b556699bce8>

Just zoom to the District you are interested in and click on any sale. A pop-up box should show up with a link to the Pre-Operations Report for the sale.

Appendix F

Forest Land Management Classification System (FLMCS) Modification Notification

No modifications are proposed with the FY2023 AOP.

Appendix G

Landscape Design – Forest Grove District Implementation Plan Minor Modification Notice

As described in the Forest Grove District IP, the district has mapped a Landscape Design that designates 30% of the district acres in a future complex condition, either Layered (LYR) or Older Forest Structure (OFS). The term General management (GEN) or non-complex will be used to describe the Desired Future Condition (DFC) of stands that are not planned for OFS or LYR in the Forest Grove District’s landscape design. The DFC landscape design for the Forest Grove district was done using a “broad brush” method incorporating a variety of landscape design principles and strategies. The original Landscape Design mapping process used stand types instead of geographical breaks to define the future complex stand boundaries with the intent that the boundaries could be fine-tuned during the planning process. Actual boundaries between complex and general DFC’s are determined on the ground during the sale planning and preparation process. Minor changes in the DFC landscape design may occur on an annual basis due to a variety of reasons. These reasons may include; refinement of the DFC boundary on the ground, forest health issues, and fitting a stand to a more appropriate or realistic pathway based on additional data collected through Stand Level Inventory (SLI) and field observations during the AOP planning process. Changes of up to 240 acres annually are considered minor changes and can be approved by the District Forester concurrent with the Annual Operation Planning process.

The district is proposing to change 5 acres that have a current DFC of OFS to non-complex or “general” to create a logical operational boundary in the CE Junction timber sale.

The district is proposing to modify 2 acres that currently have a DFC of “general” and change it to LYR. These acres are alongside and upslope of the Salmonberry River, a fish bearing stream. These acres contain multiple tree species, are capable of becoming complex structure, are located along a fish bearing stream, and are within a Draft Habitat Conservation Area. This new complex designation would expand upon areas that already have a DFC of complex structure. See map below.

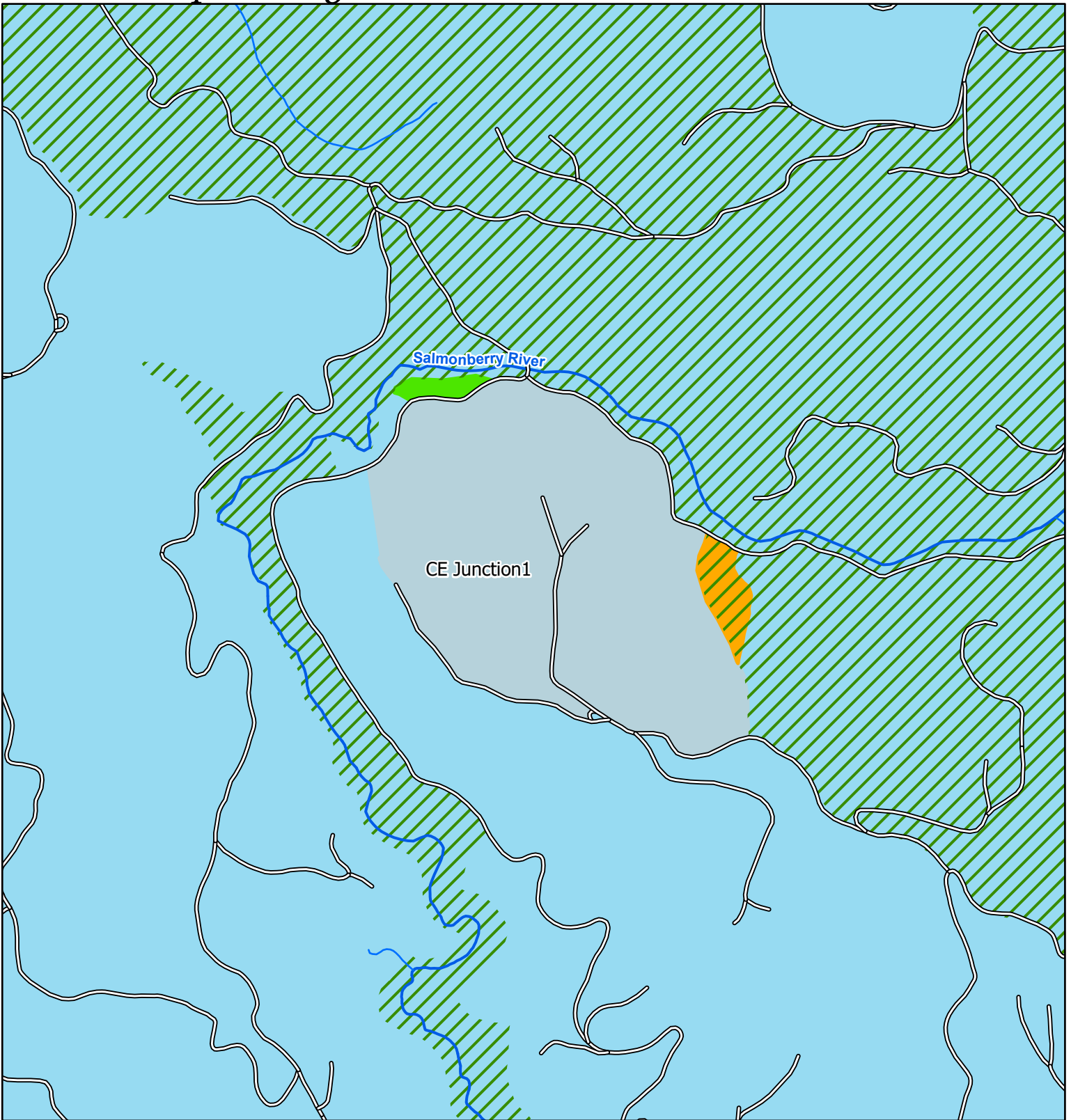
The removal of acres within the landscape design was reviewed by an ODF biologist and other resource specialists.

The designation of DFC complex on the Forest Grove District remains at 30%.

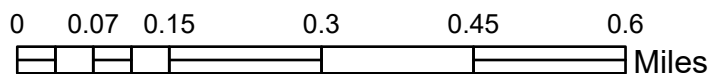
Summary of Minor Landscape Design Modification			
Acres Removed		Acres Added	
Desired Future Condition	Acres	Desired Future Condition	Acres
LYR	0	LYR	2
OFS	5	OFS	0
Total Acres Removed	5	Total Acres Added	2

Forest Grove District

Landscape Design - Desired Future Condition Revision



- Large
- Medium
- Roads
- Current DFC Complex
- Change From DFC Non-Complex to Complex
- Change From DFC Complex to Non-Complex
- Timber Sale
- State Forest Land



This product is for informational purposes, and may not be suitable for legal, engineering or surveying purposes. This information or data is provided with the understanding that conclusions drawn from such information are the responsibility of the user.

02/04/2022