



Oregon

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"STEWARDSHIP IN FORESTRY"

June 30, 2023

To: Don Everingham, Area Director
From: Kate Skinner, Tillamook 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 2024

The FY 2024 State Forests Annual Operations Plan (AOP) for the Tillamook 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 2023 Tillamook District Implementation Plan (IP), and the FY 2024 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.

As prepared, this AOP consists of 51.9 MMBF of harvest volume. This volume will be achieved through 0 acres of partial cut harvest and 2,204 acres of regeneration harvest. There are 9 primary operations and 6 alternate operations within this plan. The operations are estimated to generate gross revenues of approximately \$17,611,100 and net revenues of \$13,005,664 (Tillamook Co. 85% /Washington Co. 15%). The volume is in alignment with the IP range of 47-52 MMBF.

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 2024 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 2024. 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 2024

The official copy of this AOP will be on file at the district office. Additional copies are available at the State Forests Program office in Salem, and are also available on the ODF web site at:

<http://www.oregon.gov/ODF/Pages/Reports.aspx>

Approved:



Kate Skinner
Tillamook District Forester

Tillamook District

2024 ANNUAL OPERATIONS PLAN



Tillamook DISTRICT

FISCAL YEAR 2024 ANNUAL OPERATIONS PLAN

OVERVIEW

This plan describes the activities and outcomes that Oregonians can expect to see on the Tillamook District for Fiscal Year 2024. 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). We strive 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. We are 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 ODF's wildlife biologists, aquatic specialist, archaeologist, geotechnical engineer, road engineers, as well as fish and wildlife biologists from the Oregon Department of Fish and Wildlife. The plan has undergone a 45-day public comment period. The operations were shared with the nine federally recognized Tribes in Oregon.

This annual operations plan will be reviewed by the Forest Trust Land Advisory Committee (representing the counties that deeded land to ODF), the State Forests Advisory Committee (composed of Oregonians representing many interests), a variety of interest groups, 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 2024 fiscal year.

A short summary of activities planned for the coming year:

- Planting 506,196 trees on 1,161, acres and conducting vegetation and animal management activities on an additional 2,322 acres to ensure the survival and growth of these plantations.
- Conducting density and operational surveys for northern spotted owls and marbled murrelets covering the majority of the district and surveying approximately 2 - 4 miles of streams for the presence of fish habitat.
- Protecting streams and water resources through a series of buffers and seasonal restrictions.
- Stream improvement projects. An initial screen by ODF's Aquatic and Riparian Specialist suggests that there may be potential opportunities for stream enhancement in some of the planned sale areas. Further field reconnaissance will be completed by District and Division Staff, along with Oregon Department of Fish and Wildlife, to determine possible locations.
- Habitat development projects such as creating snags, retaining green trees in clearcut areas, and leaving down wood, all for wildlife benefits in harvest areas and future forests.
- Maintaining 300 miles of road and improving 53.6 miles of road to ensure ditch water is dispersed and filtered, keeping runoff from entering streams. Constructing 11.6 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.
- Beginning the planning cycle to harvest approximately 51.9 million board feet of timber volume, through modified clearcuts and partial cuts, generating revenue of an estimated \$13 million in net value. This harvest level is in alignment with longer-term plans and modeling to ensure it is sustainable and promotes the development of a mixture of habitat types across the landscape.
- 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.
- Maintaining, managing, and patrolling the 381 miles of motorized and 19 miles of non-motorized trails, striving to protect the trail investments, provide for user safety, address developing trail issues, and protect water quality.
- Supporting the important volunteer network that assists in forest management including the following programs:
 - Camp Hosts and Adopt a Trail
 - 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 non-motorized trail use events. Evaluate new event proposals for fit with forest goals.
- Providing a firewood cutting program and miscellaneous forest products permits (salal, mushrooms, etc.) as done in 2022.
- Supporting ongoing research on the district, in partnership with research cooperatives and universities.

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INTRODUCTION

This annual operation plan outlines operations on state-owned forestland managed by the Tillamook District for Fiscal Year 2024, which begins July 1, 2023 and ends June 30, 2024. This document describes how the activities and projects undertaken by the district will achieve the goals, strategies, and objectives of the NW Oregon State Forest Management Plan, draft Habitat Conservation Plan, Tillamook State Forest Recreation Action Plan, and the Tillamook District 2024 Implementation Plan. Please refer to the district Implementation Plan's for more specific information on physical characteristics and other district resource information.

The Annual Operations Plan 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 Fiscal Year 2024, Appendix F describes any modifications to the Forest Land Management Classification System. Appendix G describes any modifications to the Tillamook District Landscape Design.

The proposed harvest operations and activities are planned to be designed, engineered, and submitted for processing during the Fiscal Year 2024 time period. Actual on-the-ground operations will likely not occur during Fiscal Year 2024 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 Fiscal Year 2024.

A 45-day public comment period was held from April 17, 2023, through May 31, 2023. The District Forester has reviewed and considered all comments received before approving this plan.

Accomplishments of forest management activities that occurred under previous Annual Operations Plans 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 Tillamook 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, archaeologist, 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 Fiscal Year 2024 Annual Operations Plan is estimated to produce 51.9 million board feet in volume, generate gross revenues of approximately \$17,611,100 and net revenues of \$13,005,664. The volume objective is within the 47-52 million board feet range outlined in the Tillamook District's 2023 Implementation Plan. However, some events may result in an Annual Operations Plan volume that is outside the Annual Harvest Objective range. These events may consist of, but are not limited to, storm damage, insect and/or disease outbreaks, timber market conditions or other significant events. Alternate timber sales included in the Annual Operations Plan may be sold as primary operations in response to any of these circumstances.

Additional operations may produce timber volume for the district during the 2024 fiscal year but are not included in this Annual Operations Plan. 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 Implementation Plan, and the Forest Management Plan. Examples of these sales include salvage, pulp sales, removal of hazard trees, pole sales, etc.

Refer to the attached Tillamook District Financial Summary Table (Appendix A, Table A-1) and vicinity map (Appendix B) for more detail on expected outputs from planned timber sales.

Table 1. Volume Harvest of Annual Operations Plan Harvest Compared to Implementation Plan Annual Objective. Volume is Million Board Feet.

Harvest Objectives	2023 Implementation Plan Harvest Ranges		Fiscal Year 2024 Annual Operations Plan
	Low	High	
Volume (million board feet)	47	52	51.9

Table 2. Summary of Primary Timber Harvest Operations Inside and Outside of Habitat Conservation Areas. All values are in net acres.

2024 Annual Operations Plan			
Harvest Outside of Habitat Conservation Areas		Harvest Inside of Habitat Conservation Areas	
Partial Cut Acres	Modified Clearcut Acres	Partial Cut Acres	Modified Clearcut Acres
0	2,098	0	106

Harvest Outside of Habitat Conservation Areas

The 2,098 acres of regeneration harvest planned for Fiscal Year 2024 represents approximately one percent of the district. All of the regeneration harvest acres will be designed as modified clearcuts.

Harvest Inside of Habitat Conservation Areas

South Fork Trask - Unit 104 is within a draft Habitat Conservation Area. District staff will consult with Area Biologist to determine the appropriate prescription and leave tree arrangements. The intent of this modified clearcut harvest is to remove the stunted red alder and Swiss Needle Cast infected Douglas-fir and replant with appropriate mixed species to establish a stand more conducive to habitat development.

The anticipated harvest acres, volume, and revenue for each proposed operation in this Annual Operations Plan are listed in the “Harvest Operations – Financial Summary” Table A-1 in Appendix A.

Overview of Structural Components

The guidelines for managing structural habitat components listed under Landscape Management Strategy 3 in the NW Oregon State Forests Management Plan (pg. 4-52) will be followed for the Fiscal Year 2024 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 Oregon State Forests Management Plan. Green tree arrangements for this

Annual Operations Plan may include; scattered individual trees, clumps of trees, and trees concentrated in and adjacent to riparian management areas, inner gorge areas, headwalls and Green Tree Retention areas that may be very difficult to harvest. The scattered individual upland leaves trees strategies include but are not limited to; minor tree species where available, trees with defect or decay, trees to be used as future tailholds, leaving trees around snags, and large trees that are not desired at the mill. Additional trees may be left in areas with a Desired Future Condition of complex or additional Species of Concern requirements. 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 Oregon State Forests Management Plan strategy for hard snags is to manage for at least two per acre on average across the landscape. The Forest Management Plan 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. Areas with less than 2 hard snags per acre will be evaluated and an appropriate snag prescription will be developed as needed. Snag strategies include retaining legacy structure, bear damaged trees will count towards the snag requirement, creation of snags in groups of 4-7 for purple martin habitat and if there are significant scattered upland green trees no snag creation will be required. Down Wood will continue to be created through bucking practices, leaving felled snags in the unit and tops on ground yarding areas.

In addition to the leave tree strategies within the Forest Management Plan all timber sales within Fiscal Year 2024 will also abide by the green tree retention strategies of the Draft Habitat Conservation Plan. Two trees per acre will be retained within any forest stand harvested using regeneration harvest techniques. Trees selected for retention will be outside of Riparian Conservation Areas and will be assessed during each final harvest so that selected trees will not be removed in subsequent rotations and will contribute to long-term recruitment of large diameter snags and downed wood. Overlaps may occur with the green tree retention strategies of the Forest Management Plan. Leave tree configuration will be determined during sale layout to ensure compliance with Forest Management Plan and Habitat Conservation Plan strategies.

Harvest Operations within Terrestrial Anchor Sites and Aquatic Anchors

The Tillamook District implements the State Forests' Species of Concern Strategies that specifically identifies fish and wildlife species of concern on the Tillamook District. Two of these strategies are Terrestrial Anchor Sites and Aquatic Anchor sites.

- Terrestrial Anchor Sites 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 Terrestrial Anchor Sites 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 Terrestrial Anchor Sites were designated for the development of complex structure in the Landscape Design.

- Aquatic Anchor sites are watersheds where salmon and aquatic amphibian conservation is emphasized. Riparian management strategies beyond those described in the Forest Management Plan will be applied within Aquatic Anchors. In addition, areas designated for the development of complex structure in the Landscape Design are clustered around streams important to fish in the Aquatic Anchor.

The Species of Concern Strategies provide long term goals for Terrestrial Anchor Sites and Aquatic Anchor. 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 Terrestrial Anchor Sites in 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 Terrestrial Anchor Sites. These sales were reviewed with ODF and Oregon Department of Fish and Wildlife Resource Specialists. Table 3 shows there are no harvests planned within the Terrestrial Anchor Sites proposed in 2024 Annual Operations Plan and also shows the cumulative operations in Terrestrial Anchor Sites since the strategy was adopted (Annual Operations Plans 2012 - 2024).

Table 3. Summary of Harvest Operations within Terrestrial Anchor Sites (Acres and Percent)

Acres within Terrestrial Anchor Sites	Current Annual Operations Plan (Fiscal Year 2024)		Cumulative Harvest (Since Fiscal Year 2012)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Terrestrial Anchor Site Basin				
Bastard Creek (5,021 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
Ripple Creek (3,831 acres)	0	0	0	559
% of Acres	0%	0%	0%	14.6%
Miami (6,396 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
Hembre (2,981 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
Boundary (2,138 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
All Terrestrial Anchor Sites (10,958 acres)	0	0	0	559
% of Acres	0%	0%	0%	2.7%

Aquatic Anchors

The Aquatic Anchors 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 Aquatic Anchor's as specified in the Species of Concern strategy. Table 4 shows the current harvest and the cumulative total from Fiscal Year 2014.

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

Acreages	Current Annual Operations Plan (Fiscal Year 2024)		Cumulative Harvest (since Fiscal Year 2014)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Aquatic Anchor (Aquatic Anchor) Basins				
Ben Smith Creek (3,602 acres)	0	0	638	0
% of Acres	0%	0%	17.7%	0%
Cedar Creek (7,214 acres)	103	0	1,162	0
% of Acres	1%	0%	16.2%	0%
Coal Creek (1,237 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
Cook Creek (18,286 acres)	233	0	1,936	322.5
% of Acres	1.3%	0%	10.6%	1.7%
East Fork S Fork Trask (15,627 acres)	456	0	3,713	290.4
% of Acres	2.9%	0%	23.7%	0.7%
Elkhorn (3,860 acres)	252	0	944	0
% of Acres	6.6%	0%	24.6%	0%
Foley Creek (4,403 acres)	0	0	146	0
% of Acres	0%	0%	3.3%	0%
Little N Fork Wilson (10,310 acres)	253	0	1,370	0
% of Acres	2.4%	0%	13.3%	0%
Miami (13,910 acres)	0	0	548	0
% of Acres	1.8%	0%	3.9%	0%
Middle Kilchis (14,155 acres)	0	0	0	0
% of Acres	0%	0%	0%	0%
S Fork Salmonberry (2,813 acres)	39	0	39	567.6
% of Acres	1.3%	0%	1.3%	20.1%
All Aquatic Anchors	1,336	0	10,502	1,181

(95,417 acres)				
% of Acres	1.4%	0%	11.0%	1.2%

Summary of Timber Harvest Operations by Basin

In the following section, the harvest operations planned for Fiscal Year 2024 will be summarized in the context of the 11 management basins on the Tillamook 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	2024 Annual Operations Plan	
	Partial Cut	Clearcut
N. Fork Nehalem	0	0
Lower Nehalem	0	569
Short Sands	0	0
Miami	0	0
Kilchis	0	114
Tillamook Bay	0	0
Wilson	0	546
Tillamook River	0	0
Trask	0	975
Nestucca	0	0
Little Nestucca	0	0
Totals	0	2,204

North Fork Nehalem Basin

There are no harvest operations planned in this basin for Fiscal Year 2024.

Lower Nehalem Basin

Lost Creek South (Primary): This sale includes four modified clearcut units (Units 198, 199, 308, and 309) totaling 297 acres. The main species in these stands are red alder, Douglas-fir, and western hemlock. Stand ages range from 49–73. The current condition for all stands is understory or closed single canopy and have a desired future condition of general stewardship.

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

There will be 1.28 miles of new road construction and 0.46 miles of road improvement.

South Side (Primary): This sale includes three modified clearcut units (Units 212, 215, and 423) totaling 272 acres. The main species in these stands are Douglas-fir, red alder, and western hemlock. Stand ages range from 56–73. The current condition for all stands is understory and have a desired future condition of general stewardship.

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

This sale is located within the Cook Creek/Lower Nehalem River and South Fork Salmonberry River Aquatic Anchors.

There will be 1.10 miles of new road construction and 17.56 miles of road improvement.

Tin Pants (Alternate): This sale includes four modified clearcut units (Units 202, 211, 425, and 510) totaling 407 acres. The main species in these stands are Douglas-fir, western hemlock, and red alder. Stand ages range from 53–71. Current condition for all stands is understory. All stands have a desired future condition of general stewardship.

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

This sale is located within the Cook Creek/Lower Nehalem River Aquatic Anchor.

There will be 2.02 miles of new road construction and 3.6 miles of road improvement.

Short Sands

There are no harvest operations planned in this basin for Fiscal Year 2024.

Miami

There are no harvest operations planned in this basin for Fiscal Year 2024.

Kilchis

Kilchis Company (Alternate): This sale includes three modified clearcut units (Units 847, 919, and 921) totaling 291 acres. The main species in these stands are Douglas-fir and red alder. Stand ages range from 50–59. All stands have a desired future condition of general stewardship. Current condition for all stands is understory.

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

Approximately 19 acres of Unit 919 are located within the Middle Kilchis River Aquatic Anchor. There will be 3.14 miles of new road construction and 16.10 miles of road improvement.

Sam Downs (Primary): Unit 131 lies within the Kilchis basin. See sale description under Wilson Basin.

Tillamook Bay

There are no harvest operations planned in this basin for Fiscal Year 2024.

Wilson

King of Diamonds (Primary): This sale includes three modified clearcut units (Units 344, 419, and 596) totaling 293 acres. The main species in these stands are Douglas-fir and red alder. Stand ages range from 55–62. The current condition for all stands is understory and have a desired future condition of general stewardship.

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

There will be 1.95 miles of new road construction and 5 miles of road improvement.

Unit 344 is located within the Cedar Creek Aquatic Anchor.

A portion of the sale area may be visible from Highway 6.

Sam Downs (Primary): This sale includes four modified clearcut units (Units 131, 251, 696, and 702) totaling 368 acres. The main species in these stands are Douglas-fir and red alder. Stand ages range from 55–62. The current condition for all stands is understory or closed single canopy and have a desired future condition of general stewardship.

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

There will be 1.70 miles of new road construction and 2.49 miles of road improvement.

A portion of this sale is located within the Little North Fork Wilson River Aquatic Anchor.

A portion of the sale area may be visible from Highway 6.

Tillamook River

There are no harvest operations planned in this basin for Fiscal Year 2024.

Trask

Clear Creek (Primary): This sale includes two modified clearcut units (Units 45 and 46) totaling 121 acres. The main species in these stands are Douglas-fir and red alder. Stand ages range from 51–54. All stands have a current condition of understory and a desired future condition of general stewardship.

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

There will be 0.77 miles of new road construction and 0.2 miles of road improvement.

Coast Range South (Alternate): This sale includes three partial cut units (Units 883, 884, and 885) totaling 219 acres. The main species in these stands are Douglas-fir and red alder. Stand ages range from 54 – 65.

All stands have a desired future condition of general stewardship. Current condition of all stands is understory, except for 2 acres of layered in Unit 885.

The sale area is located within the Moon Creek East owl circle. A preliminary biological assessment is being developed for this sale. Residual basal area for partial cut units should not go below 140ft², with the goal being to maintain a minimum of at least 40% canopy cover.

There will be 2.2 miles of new road construction and 3.13 miles of road improvement.

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

East Scotch (Alternate): This sale includes one modified clearcut unit (Unit 631) totaling 83 acres. The main species in this stand are Douglas-fir and red alder. This stand is 56-60 years old and has a current condition of understory. The desired future condition is a mix of general stewardship, layered, and older forest structure.

This sale lies within a draft Habitat Conservation Area. District staff will consult with Area Biologist to determine the appropriate prescription and leave tree arrangements. The intent of this harvest is to remove the stunted red alder and Swiss Needle Cast infected Douglas-fir.

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

There will be 0.20 miles of new road construction and 2.50 miles of road improvement.

Elk Bugle (Primary): This sale includes four modified clearcut units (Units 445, 446, 453, and 464) totaling 252 acres. The main species in these stands are Douglas-fir and red alder.

Current condition for all stands is understory. Stand ages range from 58–60. All stands have a desired future condition of general stewardship.

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

This sale is located within the Elkhorn Creek Aquatic Anchor.

There will be 1.03 miles of new road construction and 16.19 miles of road improvement.

Ed Sheeridan (Alternate): This sale includes one modified clearcut unit (Unit 47) totaling 108 acres. The main species in this stand are Douglas-fir and red alder. This stand is 55 years old and has a current condition of understory. This stand has a desired future condition of general stewardship.

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

There will be 0.17 miles of new road construction and 6.08 miles of road improvement.

Little Rock (Primary): This sale includes one modified clearcut unit (Units 580) totaling 117 acres. The main species in these stands are Douglas-fir and red alder. Stand age is 49. All stands have a current condition of understory and a desired future condition of general stewardship.

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

This sale lies within the East Fork of the South Fork Trask River Aquatic Anchor.

There will be 0.25 miles of new road construction and 2 miles of road improvement.

Rocky 3 (Primary): This sale includes two modified clearcut units (Units 582, and 583) totaling 201 acres. The main species in these stands are Douglas-fir, western hemlock, and red alder. Stand ages range from 53 – 66. All stands have a current condition of understory, except for 9 of layered in Unit 583. Desired future condition is general stewardship.

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

This sale lies within the East Fork of the South Fork Trask River Aquatic Anchor.

There will be 0.99 miles of new road construction and 3 miles of road improvement.

Simmons Spur (Alternate): This sale includes three modified clearcut units (Units 473, 476, and 536) totaling 240 acres. The main species in these stands are Douglas-fir and red alder. Stand

age is 58. All stands have a current condition of understory and a desired future condition of general stewardship.

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

This sale is located within the Elkhorn Creek Aquatic Anchor.

There will be 1.34 miles of new road construction and 1.16 miles of road improvement.

South Fork Trask (Primary): This sale includes three modified clearcut units (Units 104, 352, and 753) totaling 283 acres. The main species in this stand are Douglas-fir and red alder. Stand ages range from 53–60. The current condition for all stands is understory or closed single canopy a desired future condition of general stewardship.

Unit 104 is within a draft Habitat Conservation Area. District staff will consult with Area Biologist to determine the appropriate prescription and leave tree arrangements. The intent of this harvest is to remove the stunted red alder and Swiss Needle Cast infected Douglas-fir.

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

This sale lies within the East Fork of the South Fork Trask River Aquatic Anchor.

There will be 2.85 miles of new road construction and 2.95 miles of road improvement.

Nestucca

There are no harvest operations planned in this basin for Fiscal Year 2024.

Little Nestucca

There are no harvest operations planned in this basin for Fiscal Year 2024.

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 (September 2006). The State Forest Roads Manual also provides standards and guidance for all road management activities and definitions, road classifications and other terms.

Proposed work order contracts continue to address Federal Emergency Management Agency projects and priority fish passage improvement projects. This section describes the types of road management activities that will occur in Fiscal Year 2024 and the attached Forest Roads Summary Table (Appendix A, Table A-3) describes the anticipated total amounts.

Road Construction

The District evaluates each timber sale and strives to build the minimum number of roads required, except where the District has identified road systems that can be moved away from existing streams to mitigate hydrological issues. This may result in more road miles, but relocating roads away from the stream network is beneficial for watershed processes. The District tries to limit the number of stream crossings where possible when building new roads. Where stream crossings are unavoidable, new and replacement stream crossings will be designed to meet National Oceanic and Atmospheric Administration Fisheries (2022) passage criteria to maintain passage for covered fish species where applicable and follow best management practices outlined in the State Forest Roads Manual. All planned road construction is reviewed by the geotechnical specialist to ensure that new roads are located in stable locations to provide the best protection to natural resources while meeting the objective of the road. Discussions are held regarding the long-term use of the road by district staff for reforestation and future management, and whether a road needs to be surfaced or if it can be left unsurfaced. Financial costs of the construction and long-term maintenance are considered as well as potential impact to sale operations, anticipated closures related to weather, and long-term impact to wildlife and recreation.

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.

Additional opportunities for road improvement associated with timber sales will be explored and considered during sale layout to further increase protection of resources and improve economic viability.

Work Order Contracts

Road maintenance and improvement projects not associated with a timber sale will be primarily facilitated through Work Order Contracts. This process uses the same protocols and guidance outlined in the road improvement and maintenance sections but allows the department to be efficient in accomplishing this work and prepare for future projects. The work associated with these contracts can include bridge design, fish culvert installation, road brushing, road maintenance and repair, or repairing/replacing gates.

Other Planned Road Projects to be completed by Work Order Contract in the Fiscal Year 2024 Annual Operations Plan:

- 2024 Land Survey – A property line survey associated with timber sales.
- 2024 Roadside Spray – An herbicide application to treat invasive plants and maintain safe road visibility.
- Cedar Creek Engineering #2 – Licensed engineering oversight and inspections during construction of a bridge near Cedar Creek.
- Cedar Creek Bridge – A construction contract for a fish passable bridge on a tributary of Cedar Creek.

- Cook Creek Work Order Contract – A construction contract to rebuild a portion of Cook Creek Road.
- Hembre Ridge Road Improvement – A construction contract to widen and improve drainage on a portion of Hembre Ridge Road.
- Toll Road Rocking – A construction contract to rock the first 4 miles of Toll Road.
- South Fork Trask and Toll Road Stockpiles – A rock crushing and stockpile construction contract to replenish road maintenance stockpiles.
- Cruiser Creek Stockpiles - A rock crushing and stockpile construction contract to replenish road maintenance stockpiles.
- Hatchery Creek Engineering #1 – An engineering contract to design a fish passable crossing structure for Buck Mountain Road over Hatchery Creek.
- Tillamook Culverts #4 – A contract to replace 18 existing culverts.
- Tillamook Pullback Work Order Contract – A contract to pullback unstable materials to be identified by the district.
- 2024 Vacating – A construction contract to vacate roads to be determined by the district.
- Road Maintenance – Road Maintenance contracts in the Fall, Winter, and Spring to supplement district road crew efforts.
- Bridge Maintenance – A contract to professionally repair elements of existing bridges.
- Gate Installation – A construction contract to replace and upgrade 3 existing gates.

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.

Tillamook District is considering the installation of gates on dead end spurs within harvest units scheduled for site prep activities. The gates would be closed prior to application of herbicides and then reopened a few days after the activity. Utilization of temporary gates will improve security for equipment and reduce conflicts between operations and forest users. In addition, the physical barrier reduces the number of employees needed on site each day. Temporary closure would normally not be more than a week at a location.

Cook Creek Road Construction

The Oregon Department of Forestry is planning a project to restore access to the Cook Creek basin by relocating the damaged portion of Cook Creek Road. Cook Creek Road was damaged in the December 2015 storms and has been closed ever since. The construction is planned to start in 2023 and to be completed late fall of 2024.

North Coast Travel Management Area

The North Coast Travel Management Area on the Tillamook State Forest is located on the north end of the forest in the God's Valley area. The Travel Management Area regulates vehicle travel on spur roads during archery and the general deer and elk seasons to provide "walk in" hunting opportunities, increase bull/buck escapement, and reduce road damage. Sign maintenance and public contact in the Travel Management Area is performed by volunteer and district staff. Enforcement of the Travel Management Area is provided by Oregon State Police and County Deputies on a limited basis. Maps of Travel Management Area areas are available at ODF and Oregon Department of Fish and Wildlife offices. Tillamook District has partnered with Oregon Department of Fish and Wildlife on this project since 2002.

Oregon Hunters Association Gate Program

Every September through November, during hunting season, road closures occur on the district to provide the public with "walk-in" hunting and help with bull/buck escapement. The program uses locked metal gates to restrict vehicle access to selected spur road systems from September 1st through November 30th each year. Gate locations are reviewed each year and moved to new locations as harvest units grow up and are able to provide cover. ODF has partnered with the Oregon Hunters Association (Tillamook Chapter) and Oregon Department of Fish and Wildlife to implement the Oregon Hunters Association Gate Program since 2005.

Hydrologic Connectivity

Hydrological connectivity surveys are performed on haul routes during sale layout. ODF prioritizes road improvement projects that address hydrologic connectivity and culvert replacements that are barriers to fish migration on active or planned haul routes and sites of opportunity near active or planned haul routes. Road maintenance investments are made to support forest operations, protect existing road infrastructure and water quality, and provide for safety improvements. ODF also closely monitors road conditions on active haul routes and performs additional patrols and assessments during and after inclement weather events. The District will continue conducting hydrologic connectivity surveys and mitigating items discovered during this process.

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, Forest Practices rules, and Chapter 4 of the Draft Habitat Conservation Plan. Road maintenance is accomplished under timber sale contracts for roads used for hauling forest products, using the State Forest 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:

- King of Diamonds
- Lost Creek South
- Rocky 3
- Sam Downs
- South Fork Trask
- South Side

Annually, the District requires between 7,000 to 12,000 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 pits in Fiscal Year 2024.

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:

- Coast Range South – ½ mile

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 Fiscal Year 2024 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 2023 growing season.

The majority of the on the ground reforestation activities will be completed by using experienced contractors. A portion of the activities will be completed by utilizing district staff and crews from South Fork Camp. The South Fork crews work on activities such as brush removal and tree protection.

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 is 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 the first year and then transplanted the second year 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 from an extensive post-harvest survey. Final planting plans are then finalized in the fall after inventories from seedling nurseries are received.

Site Preparation

Site preparation is any planned measure to prepare a site to allow for favorable growing conditions for newly planted seedlings. The majority of Site prep is chemical but more than one of these techniques may be used for any given site based on the attributes and reforestation prescription for the site and not all sites need site preparation to establish seedlings. 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 tree 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. Initial plant species will consist of western hemlock, noble fir, western red cedar, and Douglas-fir. Douglas-fir will be included in planting units outside of the areas of severe Swiss needle cast. The target at age 10 is a mixed conifer stand with a minor hardwood component. These stands generally have the most potential to develop into complex stands, are the most resistant to pest and environmental impacts and retain the most future options.
- 2) Interplanting: Interplanting may occur when stocking levels fall below or are at risk of falling below Forest Practices Act 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 Forest Practices Act requirements. Actual plans will be made after stocking surveys have been completed in the fall.
- 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 windstorms, 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.

Bud Caps: Bud caps are installed on Douglas-fir seedlings in 0-2 year old plantations with heavy elk/deer browse pressure. A combination of contract and South Fork Camp crews will be responsible for the accomplishment of these acres.

Direct Control: Trapping mountain beaver prior to planting a harvest unit significantly reduces damage from these animals. Follow-up trapping may also be needed in 1-3 year old plantations where small populations have rebounded and are causing damage on young seedlings.

Vegetation Management – Release Treatments

Vegetation management is done to reduce light, moisture, and or nutrient competition from vegetation in a young stand of seedlings to improve survival and growth. 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 competing vegetation. Typical application methods are broadcast, directed spray, and hack and squirt. Broadcast application treatments are sprayed over the top of seedlings and 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. The actual plan will be developed in late spring or early summer when competing brush is more developed and actual needs can be assessed. Contract crews will be responsible for accomplishing these acres.

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, 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 Pre-Commercial Thinning (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. The actual plan will be developed in early spring when brush and red alder is more developed and actual needs can be assessed. Both contract and South Fork Camp crews will be responsible for the completion of these acres.

Pre-Commercial Thinning

Pre-Commercial Thinning is a silviculture activity used to manipulate the density, structure or species composition of overstocked young forest stands. Generally, the purpose of a Pre-Commercial Thinning operation is to release the biggest and best growing trees so they can maintain their growth. Pre-Commercial Thinning 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*, Pre-Commercial Thinning can be used to favor species other than impacted Douglas-fir trees in the residual stand. The actual plan will be developed early in the Annual Operations Plan year after potential stands have been surveyed and accessed for Pre-Commercial Thinning need.

Pruning

No pruning activities are planned for this Annual Operations Plan.

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 Recreation personnel to identify appropriate steps each unit can take to prevent the introduction and spread of invasive plants. Knotweed and Scotch broom 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 Spraying

The Forest Roads Team will be responsible for 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 2023, roadside vegetation surveys will be conducted to determine roadside chemical treatment needs for Fiscal Year 2024. 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, Off Highway Vehicle 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 Fiscal Year 2024 and will require varying degrees of Recreation program and district staff attention. Designated dispersed use sites will be monitored, maintained, closed or improved as resources allow to meet safety, sanitation, and resource protection objectives.

The Fiscal Year 2024 plan focuses on maintaining current trails, facilities, and opportunities by maintaining the existing infrastructure, providing for public safety and sanitation, and mitigating 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 Fiscal Year 2023 will extend into Fiscal Year 2024.

Facilities (Campgrounds, Viewpoints, Trailheads, etc.)

The Recreation program plans to operate and maintain the following developed facilities on the Tillamook District:

- 6 Campgrounds
- 1 Off Highway Vehicle Event Staging Area
- 1 Off Highway Vehicle Staging Area
- 8 Day-use areas/ Trailheads
- 2 Interpretive sites
- 82 designated dispersed campsites
- 3 boat launch facilities

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.

Fiscal Year 2024 Facility projects on the Tillamook District are identified and described in the following table (Table 6).

Table 6. Developed Facility and Dispersed Campsite Projects

Project Type	Project Name	Project Status	Work Resources	Project Description
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Planning	Site Sign Replacement	Ongoing-Approved in Fiscal Year 2023	Recreation Staff	Develop standard design of site signs at recreation sites consistent with state forest branding.
Planning	Information Board and Kiosk Replacements	Ongoing-Approved in Fiscal Year 2023	Recreation Staff	Develop standard design of information boards and Kiosks at recreation sites consistent with state forest branding.
Facility Infrastructure Replacement	Nehalem Falls Campground Bollard Replacement	Fiscal Year 2024	Recreation Staff, South Fork AIC Crews, NW Oregon Area Roads Team	Installation of boulders for campsite delineation at Nehalem Falls Campground.
Facility Construction	Jones Creek Camp Host Water System	Fiscal Year 2024	Recreation Staff, Contractor	Establishing power to the water well system and water lines from well to camp host site.

Motorized (Off Highway Vehicle) 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 Off Highway Vehicle 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 Off Highway Vehicle program management, ODF receives All-Terrain Vehicle Fund dollars from Oregon Parks and Recreation Department to support personnel and associated service and supply costs.

Fiscal Year 2024 Motorized trail projects on the Tillamook District are identified and described in the following table (Table 7).

Table 7. Motorized Trail Projects

Project Type	Project Name	Project Status	Work Resources	Project Description
Trail Infrastructure Construction and Replacement	Yellowjacket Trail Bridge #2 Replacement and Trail Bridge #3 Construction	Fiscal Year 2024	Off Highway Vehicles Program Staff, Contractor	Replacement of failed trail bridge and new trail bridge construction
Trail Infrastructure Construction	Will's Trail Bridge Construction	Fiscal Year 2024	Off Highway Vehicles Program Staff, Contractor	Construction of new trail bridge

Trail Infrastructure Replacement	Blue Bus Trail Bridge Replacement	Fiscal Year 2024	Off Highway Vehicles Program Staff	Replacement of trail bridge damaged by winter storms.
Trail Infrastructure Construction	Laughlin Rd. Trail Bridge Construction	Fiscal Year 2024	Off Highway Vehicles Program Staff	Construction of new trail bridge.
Trail Infrastructure Construction	Jarvis Trail Bridge Construction	Fiscal Year 2024	Off Highway Vehicles Program Staff	Construction of new trail bridge.
Trail Infrastructure Construction and Replacement	Deer Fence Trail Bridge #1 Construction and Trail Bridge #2 Replacement	Fiscal Year 2024	Off Highway Vehicles Program Staff	Construction of new trail bridge and replacement of damaged trail bridge.
Trail Construction	North Tower	Approved in Fiscal Year 2021	Off Highway Vehicles Program Staff	Construction of 3 miles of trail and vacating 1.7 miles of trail to be completed in Fiscal Year 2024.
Trail Infrastructure Replacement	Yellowjacket Trail Bridge #1 Replacement	Ongoing-Approved in Fiscal Year 2023	Off Highway Vehicles Program Staff	Replacement of failed trail bridge.
Trail Construction	Duane's Trail Extension	Fiscal Year 2024	Off Highway Vehicles Program Staff	1 mile of trail construction to be completed in Fiscal Year 2024
Trail Construction	Black Summit	Fiscal Year 2024	Off Highway Vehicles Program Staff	Project consists of 1.9 miles of trail construction. Construction of 0.75 miles of trail to be completed in Fiscal Year 2024.
Planning	Tillamook State Forest Off Highway Vehicles Trail System Management Plan Development	Ongoing	Off Highway Vehicles Program Staff	Development of Off Highway Vehicles trail system management plan.

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.

Fiscal Year 2024 non-motorized trail projects on the Tillamook District are identified and described in the following table (Table 8).

Table 8. Non-Motorized Trail Projects

Project Type	Project Name	Project Status	Work Resources	Project Description
Planning	Trail Signage Replacement	Ongoing-approved in Fiscal Year 2023	Recreation Staff	Develop standard design of trail signage consistent with state forest branding.
Planning	Trail Inventory and Assessment	Fiscal Year 2024	Recreation Staff	Inventory and assessment of non-motorized trails in the Tillamook District.

Trail Maintenance (Motorized 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.

Maintenance needs vary year to year based on factors such as volume of use and seasonal weather conditions. The recreation program has a goal of performing maintenance on 1/3 of the trail system annually to meet our trail management objectives.

Trail maintenance activity includes the completion of trail condition inspections on all trails, development of maintenance plans, prioritization of maintenance needs and completion of maintenance work identified. Standard trail maintenance work may include cleaning water bars and rolling dips, cleaning out culverts, trail tread work, cleaning trail bridges, clearing downed trees, brushing, sign maintenance, and trail infrastructure repair.

Heavy trail maintenance work which results from winter storms includes repairing trail bridges, re-establishing trail tread in slide or washout areas, rebuilding stream ford crossings, clearing and log out work associated with heavy concentrations of downed trees, and rerouting trails due to slides, washouts, or safety issues. Heavy trail maintenance work will be incorporated into trail maintenance plans and conducted as needed.

Trail condition inspections will be conducted on all trail miles on the Tillamook District (381 miles Off Highway Vehicle and 19 miles non-motorized). Standard trail maintenance work is planned to be completed on 127 miles of Off Highway Vehicles trail and 7 miles of non-motorized trail on the Tillamook District in Fiscal Year 2024.

Recreation Program staff will work with the state forest engineer to conduct trail bridge inspections that will help inform trail bridge maintenance needs.

Timber Sale and Recreation Resource Interactions

As a working forest it is inevitable that as we plan future timber harvests there is interaction with our growing recreational infrastructure. The Marketing staff and Recreation staff have devoted a large amount of time and effort to identify each of these sale and trail interactions and identify what actions could be taken to protect the trails or in instances where the trail did not meet our sustainability or resource protection goals to vacate it.

Details have been added to Pre-Operation reports for each timber sale that has nearby recreational resources to detail what actions are planned for the recreational resource.

Timber sales may extend for several years depending on the flow of operations. The Fiscal Year shown in the table below are the year that the timber sales were approved. Trail assessments will occur as operations are completed.

Table 9. Timber Sale & Trail Interactions

Project Type	Timber Sale Name	Trail Name	Timber Sale Fiscal Year	Project Description
Planning	Elk Bugle	- Bi-Frost	FY24	Trails within the identified timber sales will be assessed upon completion of logging operations to determine if trails are able to be re-opened or if additional trail planning efforts are required. See timber sale pre-op reports for additional information.
Planning	King of Diamonds	- Deer Fence - Cedar Jones - Diamond Mill - Diamond View - Elk Bellow	FY24	
Planning	Rocky 3	- Tire Iron	FY24	
Planning	Sam Downs	- Reids Ridge	FY24	
Planning	South Fork Trask	- Misery - Many Bucks	FY24	
Planning	Simmons Spur	- Blue Lagoon - Elkhorn	FY24	
Trail Vacating/ Rerouting	Simmons Spur	- Elkhorn	FY24	

				timber sale operations. See timber sale pre-op reports for additional information.
Trail Vacating	King of Diamonds	- Cedar Jones - Diamond View	FY24	Trails within the identified timber sales were found to not meet our sustainability or resource protection goals and will be vacated prior to or in conjunction with the timber sale operations. See timber sale pre-op reports for additional information.

Volunteer Program and Partnerships

Volunteers contribute labor, supplies, and expertise to the Recreation, Education, and Interpretation Program. Volunteers have partnered with ODF to construct new trails, maintain infrastructure, and preserve natural resources.

Volunteer activities include:

- Camp Host Program at Jones Creek, & Nehalem Falls Campgrounds
- Trail Maintenance and Construction Work Parties
- Adopt a Trail
- “Stop Oregon Litter and Vandalism” Beach & Riverside Cleanup Event

In Fiscal Year 2024, 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 partner with local recreation providers and volunteers. The 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, four-wheel drive events, dual sport events, and observed motorcycle trials.

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 Fiscal Year 2024.

Grants

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 NW Oregon Area.

Other Integrated Forest Management Projects

Aquatic & Riparian Management

All fish bearing streams found in State Forests are subject to the new Habitat Conservation Plan and the current Forest Management Plan 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 have been established on watersheds in the District in which additional aquatic conservation measures are applied when regeneration harvesting.

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 large wood to improve fish habitat. Best management practices for road construction, reconstruction, and maintenance minimize impacts to water quality.

In addition to the strategies detailed in the Forest Management Plan all goals and strategies identified within the Draft Habitat Conservation Plan will be followed for Fiscal Year 2024 timber sales. These goals and strategies at times will overlap with those within the management plan. Final stream protection configurations will be determined during sale layout to ensure compliance with Forest Management Plan and Habitat Conservation Plan strategies.

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.

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 Annual Operations Plan 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 potential stream enhancement opportunities identified in association with the sales in this Annual Operations

Plan. 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 Oregon Department of Fish and Wildlife fish biologists as needed.

Potential Stream Projects are associated with the following Timber Sales:

- South Fork Trask, Clear Creek, East Scotch, Elk Bugle, Kilchis Company, King of Diamonds, Rocky 3, Simmon's Spur, South Fork Trask, and Tin Pants – Potential opportunities may exist. District will work with the Aquatic and Riparian Specialist, in consultation with Oregon Department of Fish and Wildlife, to determine if opportunities are present.

Other Planned Projects to improve aquatic areas within the Fiscal Year 2024 Annual Operations Plan:

- 53.6 miles of road improvement, including installing additional cross drain culverts to hydrologically disconnect the roads from streams.
- Bridge installation for fish passage on a tributary of Cedar Creek.
- Engineering designs for a fish passage bridge on Hatchery Creek.
- Rebuild Cook Creek Road away from river channel.

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 Division of State Lands.

Watershed Council & other Partnerships: Tillamook District participates in multiple Watershed Councils. The main councils are Lower Nehalem and Nestucca/Neskowin. The Tillamook Estuaries Partnership is also active within the district boundaries. District staff attends meetings throughout the year at Lower Nehalem Watershed Council, provides presentations when requested and participates in workgroups and committees when appropriate. The District ownership is very small in the Nestucca Basin and there have not been recent opportunities to partner on projects. District staff occasionally attends meetings with the Nestucca/Neskowin Watershed Council and provides presentations and information when requested.

The District participates in the Salmon Super Highway (Tillamook-Nestucca Fish Passage). The group has set a goal of establishing fish passage on 95% of the historic available habitat in the Tillamook-Nestucca Sub-basin across multiple landowners. Staff serve on both the executive and technical teams associated with this project.

Land Exchange

None Planned.

Law Enforcement and Public Safety

ODF and the Tillamook County Sheriff's Office partner to maintain three full time forest deputies that are funded through all terrain vehicle grants and ODF . Tillamook District staff work closely with the forest deputies and the Forest Grove District staff to facilitate law enforcement activity on the district.

The forest deputies enforce state, county, and forest recreation laws with an emphasis on all terrain vehicle enforcement as they patrol the forest in both the Tillamook and Forest Grove Districts. Deputies provide search and rescue services as needed. Fire laws pertinent to recreation use are enforced by county deputies, fire protection, and recreation staff. The forest deputies are essential to the success and overall management of the forest and their presence benefits all forest users.

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. Firewood cutting is allowed all year except for the months of July and August. The District sold over 400 woodcutting permits last fiscal year.

Non-Timber Forest Products

Special Forest Products are available on the district commercially and for personal use. Commercial permits vary in price and cover harvest of poles, beargrass, ferns, moss, salal, tree seedlings from ditches or cut-banks, and vine maple.

Collection for Personal Use is allowed without a permit for a variety of products but in small quantities limited per person. The public can get information at the district office of specific use volumes, permit costs, and availability.

Planning

Below are the significant district-level planning projects currently scheduled for commencement, completion, or both in Fiscal Year 2024.

Archaeological, Historical and Cultural Resources

All of the operations have been reviewed against the State Historic Preservation Office and General Land Office databases for potential impact to cultural resources. All of the operations have been shared with the nine federally recognized Tribes in Oregon.

The following timber sales were identified to have potential cultural or historic within or in proximity to the timber sale. During sale layout or administration if foresters find any potential evidence of cultural or historic items inadvertent discovery policies will be followed.

- Clear Creek
- Coast Range South
- Rocky 3

- Simmon’s Spur
- South Fork Trask
- Tin Pants

Forest Inventory

The State Forests Division is developing a lidar-based inventory that will replace Stand Level Inventory when completed. Lidar data was collected in 2020 for most ODF lands. Contract crews collected United States Forest Service Forest Inventory Analysis 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 Fiscal Year 2024 Annual Operations Plan, the District will continue the northern spotted owl 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 Northern Spotted Owl Operational Policies*, November 2017. If ODF obtains a Habitat Conservation Plan these policies will be re-evaluated.

Marbled Murrelet Surveys

In Fiscal Year 2024, 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. If ODF obtains a Habitat Conservation Plan these policies will be re-evaluated.

Threatened and Endangered Plants

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

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 Implementation Plan.

Research and Monitoring

Districts will assist in a variety of research and monitoring projects in Fiscal Year 2024. Examples include:

Swiss Needle Cast Cooperative Studies: (ODF Districts and Swiss Needle Cast Cooperative)

- Monitoring of Swiss Needle Cast disease conditions through periodic measurements.
- Installation of new monitoring plot network to take place of aging Growth Impact Study Plot network in stands 10 to 20 years old.

Recreation, Education, and Interpretation Program Planning – Program Wide

In Fiscal Year 2024, Recreation, Education, and Interpretation program staff will be working on the following planning efforts.

- Support the State Forest Division's Forest Management Plan work, Habitat Conservation Plan work and District Annual Operations Plan development and implementation.
- Reservation Feasibility Study- Study the potential to move Nehalem Falls, Jones Creek, Keenig Creek, and Jordan Creek Campgrounds to a campsite reservation system for operation season. This project began in the 2023 operations season and will continue through the 2024 operations season.
- Recreation Standards Development- Recreation, Education, and Interpretation team 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.). This project began in Fiscal Year 2023 and will continue in Fiscal Year 2024.
- Volunteer Program Manual- The Recreation, Education, and Interpretation 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. This project began in Fiscal Year 2023 and will continue in Fiscal Year 2024.

Public Information and Education

Public Information and Involvement

The district will maintain supporting information for the Implementation Plan, Land Management Classification System, and Annual Operations Plans for public review. Public involvement will include public review and input on the Fiscal Year 2024 Annual Operations Plan and on a minor modification to the Desired Future Condition found in the 2009 Implementation Plan. District personnel will participate in public education opportunities such as assisting the Tillamook Forest Education and Interpretation program, watershed council meetings, recreation planning meetings, school field trips and other public events as the opportunity arises. The district will continue to meet with concerned citizens or groups at the district office, at meetings or in the field. The district is developing tour opportunities to engage with interested stakeholders on the forest.

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

There will be 21 permanent positions whose full-time function is to manage State Forest land on the District, and 8 permanent positions who work part-time on management of State Forest land. In addition, the District will be supported by the NW Oregon Area Recreation, Education, and Interpretation Team and the NW Oregon Area Operations Team as well as the Division Planning and Coordination Team. All are responsible for implementing the 2024 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 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 Recreation, Education, and Interpretation team, 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, Recreation, Education, and Interpretation team, and Planning & Coordination Team in developing the Annual Operations Plan.

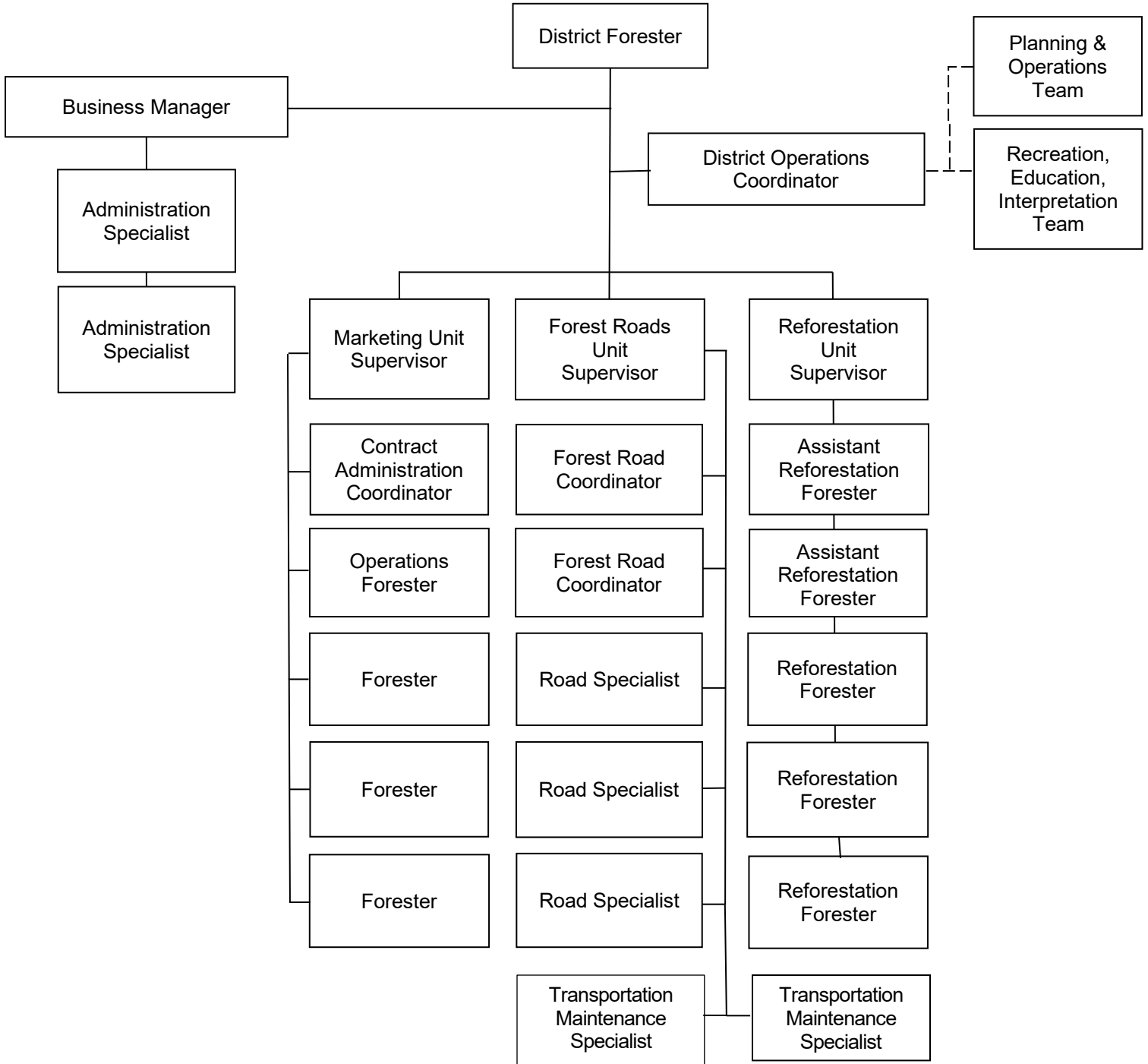
The Reforestation unit is responsible for all activities in forest plantations from the time the harvesting is complete until the new stand produces commercial timber. The activities of this unit include site preparation, trapping, tree planting, vegetation management, tree improvement, and pre-commercial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

Administration consists of the District Forester, District Operations Coordinator, District Business Manager, and three Administrative Specialists. The District Forester and District Operations Coordinator provide policy direction, budget development, and oversight to the field units. The Office Manager and two Administrative 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, issuing permits for firewood cutting and special forest products; and issuing log-load ticket books and branding hammers. The district administration staff will support all employees working on the district which includes members of Recreation, Education, and Interpretation Team, Operations Team, and Planning Coordination Team with Duty Station in Tillamook.

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 Forest Management Plan, Implementation Plan, Annual Operations Plan, and Recreation Plan. The

sales and projects are coordinated across the district and with the NW Oregon Area and Division Teams from the development of the Annual Operations Plan to the final sale administration for consistency within and between units to meet common goals.

Tillamook 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. Vicinity 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 Comment Process

This appendix will describe the results of the public involvement process of this Annual Operations Plan.

E. Pre-Operations Reports

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

F. Forest Land Management Classification

G. 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: Tillamook

Fiscal Year: 2024

Date: 06/26/2023

Primary Operation	Fund %		County	Sale Quarter	Net Acres		Volume (MMBF)			Value		
	BOF	CSL			Partial Cut	Clear-cut	Con-ifer	Hard-woods	Total	Gross	Projects	Net
Clear Creek	100%	0%	Tillamook	3	0	121	2.3	0.2	2.5	\$762,300	\$225,010	\$537,290
Elk Bugle (445/446/453/464)	100%	0%	WA (87) TL (13)	1	0	252	5.7	0.3	6.0	\$2,419,200	\$164,861	\$2,254,339
King of Diamonds (344/419/596)	100%	0%	Tillamook	2	0	293	6.7	0.3	7.0	\$2,496,360	\$313,500	\$2,182,860
Little Rock (580)	100%	0%	Tillamook	4	0	117	2.8	0.1	2.9	\$1,038,375	\$55,560	\$982,815
Lost Creek South (198/199/308/309)	100%	0%	Tillamook	2	0	297	5.3	2.7	8.0	\$2,061,936	\$148,166	\$1,913,770
Rocky 3 (582/583)	100%	0%	Tillamook	1	0	201	4.9	0.1	5.0	\$2,040,150	\$200,000	\$1,840,150
Sam Downs (131/251/696/702)	100%	0%	Tillamook	3	0	368	6.5	0.5	7.0	\$2,126,765	\$635,000	\$1,491,765
South Fork Trask (104/352/753)	100%	0%	Tillamook	3	0	283	6.2	0.8	7.0	\$2,622,750	\$476,300	\$2,146,450
South Side (212/215/423)	100%	0%	Tillamook	4	0	272	5.0	1.5	6.5	\$2,043,264	\$471,039	\$1,572,225
Sub-total:					0	2,204	45.4	6.5	51.9	\$17,611,100	\$2,689,436	\$14,921,664
Project WOC Sub-total:					0	0	0.0	0.0	0.0	\$0	\$1,916,000	
Total:					0	2,204	45.4	6.5	51.9	\$17,611,100	\$4,605,436	\$13,005,664

Alternate Operations

Coast Range South	100%	0%	Tillamook		219	0	1.5	0.2	1.7	\$523,200	\$332,800	\$190,400
East Scotch (631)	100%	0%	Tillamook		0	83	1.0	0.3	1.3	\$398,400	\$63,000	\$335,400
Ed Sheeridan	100%	0%	Tillamook		0	108	1.6	0.3	1.9	\$583,200	\$33,295	\$549,905
Kilchis Company	100%	0%	Tillamook		0	291	4.0	0.4	4.4	\$1,191,645	\$814,000	\$377,645
Simmons Spur (473/476/536)	100%	0%	Tillamook		0	240	5.8	0.4	6.2	\$1,872,000	\$176,500	\$1,695,500
Tin Pants	100%	0%	Tillamook		0	407	8.0	1.2	9.2	\$2,933,550	\$958,000	\$1,975,550

Total:					219	1,129	21.9	2.8	24.7	\$7,501,995	\$2,377,595	\$5,124,400
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PRIMARY HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

District: Tillamook

Fiscal Year 2024

Date: 06/26/2023

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 ⁶	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues
Clear Creek	-	-	-	-	-	-	-	-	X	-	-	-	-	-	X	-	*	-	X	-	
Elk Bugle	-	-	-	-	-	X	-	-	X	X	-	-	-	-	X	-	X	X	-	-	
King of Diamonds	-	-	-	-	-	X	-	-	X	X	-	-	-	-	X	-	-	X	-	X	
Little Rock	-	-	-	-	-	-	-	-	-	X	-	-	-	-	X	-	-	-	-	-	
Lost Creek South	-	-	-	-	-	X	-	-	-	-	-	-	-	-	X	-	*	-	-	-	
Rocky 3	-	-	-	X	-	X	-	-	X	X	-	-	-	-	X	-	-	X	X	-	
Sam Downs	-	X	-	-	-	-	-	-	-	X	-	X	-	-	X	-	*	X	-	X	
South Fork Trask	-	X	-	-	-	-	-	-	X	X	-	-	-	-	X	-	-	X	X	-	Unit 104 is within a draft HCA
South Side	-	-	-	-	-	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 in consultation 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.

⁶ An * indicates further Geotechnical review is required prior to approval of the Annual Operations Plan.

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 MIMA (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 ⁶	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues
Coast Range South	-	-	-	X	-	X	-	-	-	-	-	X	-	-	X	-	-	-	X	-	
East Scotch	-	X	-	-	X	-	-	-	X	X	-	-	-	-	X	-	*	-	-	-	Within a draft HCA
Ed Sheeridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	
Kilchis Company	-	X	-	-	-	X	-	-	X	X	-	-	-	-	X	-	-	-	-	-	
Simmons Spur	-	-	-	-	-	-	-	-	X	X	-	-	-	-	X	-	*	X	X	-	
Tin Pants	-	X	-	-	-	X	-	-	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' 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 inconsultation 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.

⁶ An * indicates further Geotechnical review is required prior to approval of the Annual Operations Plan.

FOREST ROADS SUMMARY

District: Tillamook

Fiscal Year: 2024

Date: 06/26/2023

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					
Clear Creek	0.77	\$94,196	0.20	\$12,880	\$117,934	\$225,010	\$762,300	29.5%	
Elk Bugle	1.03	\$90,871	16.19	\$36,490	\$37,500	\$164,861	\$2,419,200	6.8%	
King of Diamonds	1.95	\$251,865	5.00	\$8,500	\$53,135	\$313,500	\$2,496,360	12.6%	
Little Rock	0.25	\$28,000	2.00	\$3,500	\$24,060	\$55,560	\$1,038,375	5.4%	
Lost Creek South	1.28	\$85,949	0.42	\$37,083	\$25,134	\$148,166	\$2,061,936	7.2%	
Rocky 3	0.99	\$101,360	3.00	\$5,000	\$93,640	\$200,000	\$2,040,150	9.8%	
Sam Downs	1.70	\$397,000	2.49	\$105,140	\$132,860	\$635,000	\$2,126,765	29.9%	
South Fork Trask	2.85	\$421,700	2.95	\$54,600	\$0	\$476,300	\$2,622,750	18.2%	
South Side	1.10	\$423,669	17.56	\$35,120	\$12,250	\$471,039	\$2,043,264	23.1%	
Sub-total	11.9	\$1,894,610	49.8	\$298,313	\$496,513	\$2,689,436	\$17,611,100	15.3%	
Sub-total WOC (see below)	0.4	\$700,000	4.0	\$110,000	\$1,106,000	\$1,916,000	\$0		
Totals	12.3	\$2,594,610	53.8	\$408,313	\$1,602,513	\$4,605,436	\$17,611,100	26.2%	

Alternate Operations

Coast Range South	2.22	\$149,470	3.13	\$125,262	\$58,068	\$332,800	\$523,200	63.6%	
East Scotch	0.20	\$23,000	2.50	\$40,000	\$0	\$63,000	\$398,400	15.8%	
Ed Sheeridan	0.17	\$18,735	6.08	\$14,560	\$0	\$33,295	\$583,200	5.7%	
Kilchis Company	3.14	\$443,780	16.10	\$344,150	\$26,070	\$814,000	\$1,191,645	68.3%	
Simmons Spur	1.34	\$90,840	1.16	\$64,810	\$20,850	\$176,500	\$1,872,000	9.4%	
Tin Pants	2.02	\$286,630	3.60	\$206,100	\$465,270	\$958,000	\$2,933,550	32.7%	
Total	9.1	\$1,012,455	32.6	\$794,882	\$570,258	\$2,377,595	\$7,501,995	31.7%	

Road Projects Not Associated with Harvest Operations in this AOP:		None
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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					
Land Survey					\$20,000	\$20,000	FDF		
Roadside Spray					\$30,000	\$30,000	FDF		
Cedar Creek Engineering #2					\$30,000	\$30,000	FDF		
Cedar Creek Bridge WOC					\$300,000	\$300,000	FDF		
Cook Creek WOC	0.40	\$700,000				\$700,000	FDF		
Hembre Ridge Road Improvement					\$120,000	\$120,000	FDF		
Toll Road Rocking			4.00	\$110,000		\$110,000	FDF		
South Fork Trask and Toll Stockpiles					\$70,000	\$70,000	FDF		
Cruiser Creek Stockpiles					\$95,000	\$95,000	FDF		
Hatchery Creek Engineering #1					\$30,000	\$30,000	FDF		
Tillamook Culverts #4 WOC					\$100,000	\$100,000	FDF		
Tillamook Pullback WOC					\$40,000	\$40,000	FDF		
Tillamook Vacating 2024					\$20,000	\$20,000	FDF		
Road Maintenance					\$210,000	\$210,000	FDF		
Bridge Maintenance					\$20,000	\$20,000	FDF		
Gate Installs					\$21,000	\$21,000	FDF		
Total	0.40	\$700,000	4.00	\$110,000	\$1,106,000	\$1,916,000			

REFORESTATION AND YOUNG STAND MANAGEMENT SUMMARY

District:

Fiscal Year: 2024

Date: 04/05/2023

Projects Conducted by ODF Staff or Contractors	Board of Forestry			Common School Forest Lands			District	
	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	2,000	\$1.38	\$2,760.00			\$0.00	2,000	\$2,760.00
Site Prep - Mechanical	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Site Prep - Chemical - Aerial	1,000	\$103.26	\$103,260.00			\$0.00	1,000	\$103,260.00
Site Prep - Chemical - Ground	161	\$120.00	\$19,320.00			\$0.00	161	\$19,320.00
Initial Planting	1,161	\$280.00	\$325,080.00			\$0.00	1,161	\$325,080.00
Interplanting	300	\$230.00	\$69,000.00			\$0.00	300	\$69,000.00
Underplanting	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Tree Protection - Barriers	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Tree Protection - Direct Control	1,200	\$140.00	\$168,000.00			\$0.00	1,200	\$168,000.00
Release - Chemical - Aerial	0	\$0.00	\$0.00			\$0.00	0	\$0.00
Release - Chemical - Ground	500	\$100.00	\$50,000.00			\$0.00	500	\$50,000.00
Release - Manual	0	\$120.00	\$0.00			\$0.00	0	\$0.00
Precommercial Thinning	1,500	\$250.00	\$375,000.00			\$0.00	1,500	\$375,000.00
Pruning	0	\$0.00	\$0.00			\$0.00	0	\$0.00
*Stocking Surveys	8,000	\$7.78	\$62,240.00			\$0.00	8,000	\$62,240.00
Invasive Species	500	\$130.00	\$65,000.00			\$0.00	500	\$65,000.00
Roadside Vegetation Mngt	435	\$80.46	\$35,000.10			\$0.00	435	\$35,000.10
Other	2,200	\$5.00	\$11,000.00			\$0.00	2,200	\$11,000.00
Totals	18,957	--	\$1,285,660.10	0	--	\$0.00	18,957	\$1,285,660.10

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

Projects Conducted by Adults in Custody	Board of Forestry			Common School Forest Lands			District	
	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	\$0.00
Site Prep - Piling Burning	0		\$0.00			\$0.00	0	\$0.00
Site Prep - Mechanical	0		\$0.00			\$0.00	0	\$0.00
Initial Planting	0		\$0.00			\$0.00	0	\$0.00
Interplanting	0		\$0.00			\$0.00	0	\$0.00
Underplanting	0		\$0.00			\$0.00	0	\$0.00
Tree Protection - Barriers	0		\$0.00			\$0.00	0	\$0.00
Tree Protection - Direct Control	120		\$0.00			\$0.00	120	\$0.00
Release - Manual	200		\$0.00			\$0.00	200	\$0.00
Precommercial Thinning	100		\$0.00			\$0.00	100	\$0.00
Pruning	0		\$0.00			\$0.00	0	\$0.00
Invasive Species	0		\$0.00			\$0.00	0	\$0.00
Other	0		\$0.00			\$0.00	0	\$0.00
Totals	420	--	\$0.00	0	--	\$0.00	420	\$0.00

Grant Funded Activities Project	Board of Forestry			Common School Forest Lands			District	
	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: Tillamook

Fiscal Year: 2024

Date : 02/24/2023

Project	ODF (\$)	Other (\$)	Total Costs**	Comments
Nehalem Falls Campground Bollard Replacement			\$0	Installation of boulders for campsite delineation at Nehalem Falls Campground.
Jones Creek Camp Host Water System	\$25,000		\$25,000	Establishing power to the water well system and water lines from well to camp host site. Estimated labor cost included.

FDF Total	\$25,000
Other Total	\$0
TOTAL	\$25,000

**Labor cost not reflected in totals unless indicated in comments.

RECREATION TRAIL MANAGEMENT SUMMARY

District: Tillamook

Fiscal Year: 2024

Date : 02/24/2023

Project	Construction Projects			Maintenance			Total Costs**	Comments
	Miles	ODF (\$)	Other (\$)	Miles	ODF (\$)	Other (\$)		
Non-Motorized								
Trail Maintenance				19.0			\$0	Maintenance work to be completed by ODF staff and/or volunteers.
Motorized								
Yellowjacket Trail Bridge #2 Replacement and Trail Bridge #3 Construction			\$46,000				\$46,000	Contract construction of replacement of failed trail bridge (\$20,000) and new trail bridge construction (\$26,000). Estimated labor cost included.
Will's Trail Bridge Construction			\$33,000				\$33,000	Contract construction of new trail bridge. Estimated labor cost included.
Blue Bus Trail Bridge Replacement			\$27,000				\$27,000	Replacement of trail bridge damaged by winter storms. Work to be completed by ODF OHV staff and/or volunteers.
Laughlin Rd. Trail Bridge Construction			\$20,000				\$20,000	Construction of new trail bridge. Work to be completed by ODF OHV staff and/or volunteers.
Jarvis Trail Bridge Construction			\$11,000				\$11,000	Construction of new trail bridge. Work to be completed by ODF OHV staff and/or volunteers.
Deer Fence Trail Bridge #1 Construction and Trail Bridge #2 Replacement			\$45,000				\$45,000	Construction of new trail bridge (\$18,000) and replacement of damaged trail bridge (\$27,000). Work to be completed by ODF staff and/or volunteers.
North Tower Trail	1.7						\$0	Construction of 3 miles of trail and vacating 1.7 miles of trail to be completed in FY24. Work to be completed by ODF OHV staff and/or volunteers.
Yellowjacket Trail Bridge #1 Replacement							\$0	Replacement of failed trail bridge. Materials purchased in FY23 (\$16,000). Work to be completed by ODF OHV staff and/or volunteers.
Duane's Trail Extension	1.0						\$0	1 mile of trail construction to be completed in FY24. Work to be completed by ODF OHV staff and/or volunteers.
Black Summit Trail	1.9						\$0	Project consists of 1.9 miles of trail construction. Construction of 0.75 miles of trail to be completed in FY24. Work to be completed by ODF OHV staff and/or volunteers.
Trail Maintenance				127			\$0	Maintenance work to be completed by ODF OHV staff and/or volunteers.
							FDF Total	\$0
							Other Total	\$182,000
							TOTAL	\$182,000

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

**Labor cost not reflected in totals unless indicated in comments.

RECREATION GRANT MANAGEMENT SUMMARY

District: Tillamook

Fiscal Year: 2024

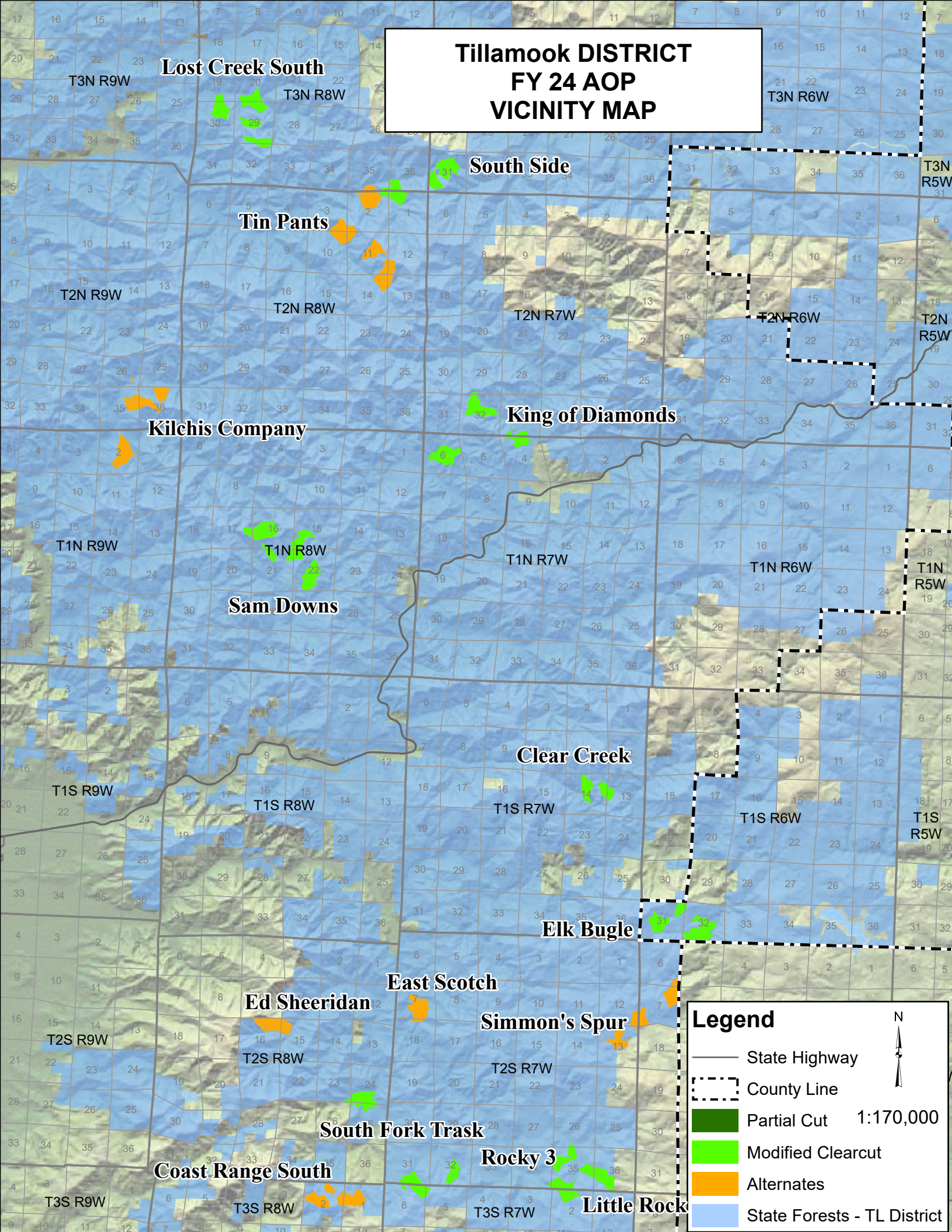
Date: 02/24/2023

Project Name	Grant	Status	Award Date (actual or anticipated)	Goals/Purpose	Funding		Project Total	Comments
					Grant (\$)	Match (\$)		
CXT Toilet Building Purchase and Installations	Land and Water Conservation Fund Grant	Application submittal expected October 2023	07/01/2024	Facility Improvement, Visitor Accomodation, and Resource Protection	\$100,000	\$100,000	\$200,000	Grant funding application submittal planned in FY24 for replacement of toilet building at Spruce Run Campground and toilet building additions at Jones Creek Campground and Drift Creek Trailhead. Matching ODF funds will be a FY25 expenditure.
OHV Trail Bridges	Yamaha OAI	Pending Application	07/01/2023	Trail System Improvement, Visitor Accomodation, and Resource Protection	\$40,000	\$142,000	\$182,000	Material purchase for Deer Fence Trail bridges. Matching funds to come from ATV Fund allocation.
					Grants Total		\$140,000	
					Match Total		\$242,000	
					TOTAL		\$382,000	

Appendix B – Vicinity Maps

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

Tillamook DISTRICT FY 24 AOP VICINITY MAP



Lost Creek South

**Tillamook DISTRICT
FY 24 AOP
VICINITY MAP**

South Side

Tin Pants

Kilchis Company

King of Diamonds

Sam Downs

Clear Creek

Elk Bugle

East Scotch

Ed Sheeridan

Simmon's Spur

South Fork Trask

Rocky 3

Coast Range South

Little Rock

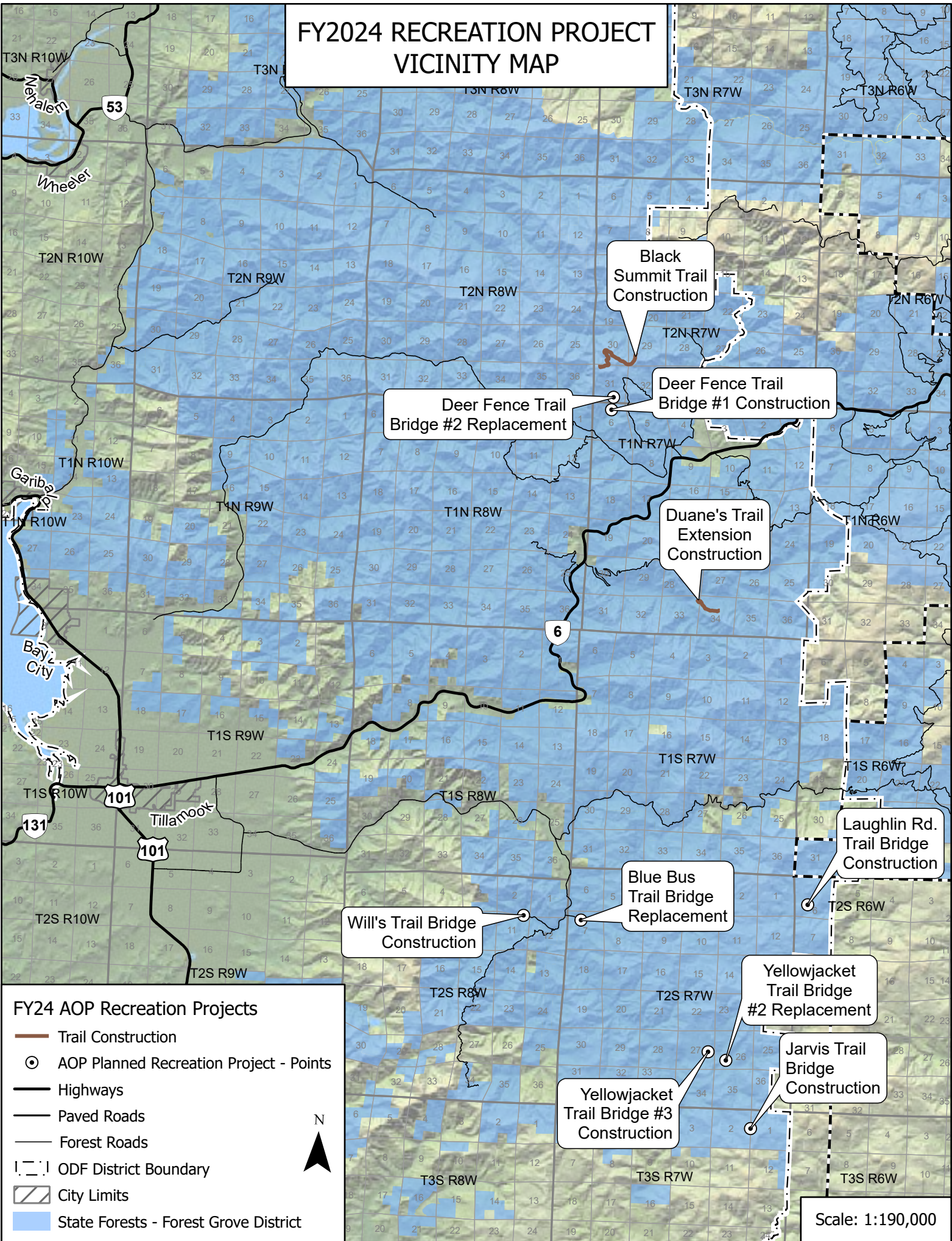
Legend

- State Highway
- County Line
- Partial Cut
- Modified Clearcut
- Alternates
- State Forests - TL District

N

1:170,000

FY2024 RECREATION PROJECT VICINITY MAP



Black Summit Trail Construction

Deer Fence Trail Bridge #2 Replacement

Deer Fence Trail Bridge #1 Construction

Duane's Trail Extension Construction

Laughlin Rd. Trail Bridge Construction

Will's Trail Bridge Construction

Blue Bus Trail Bridge Replacement

Yellowjacket Trail Bridge #2 Replacement

Jarvis Trail Bridge Construction

Yellowjacket Trail Bridge #3 Construction

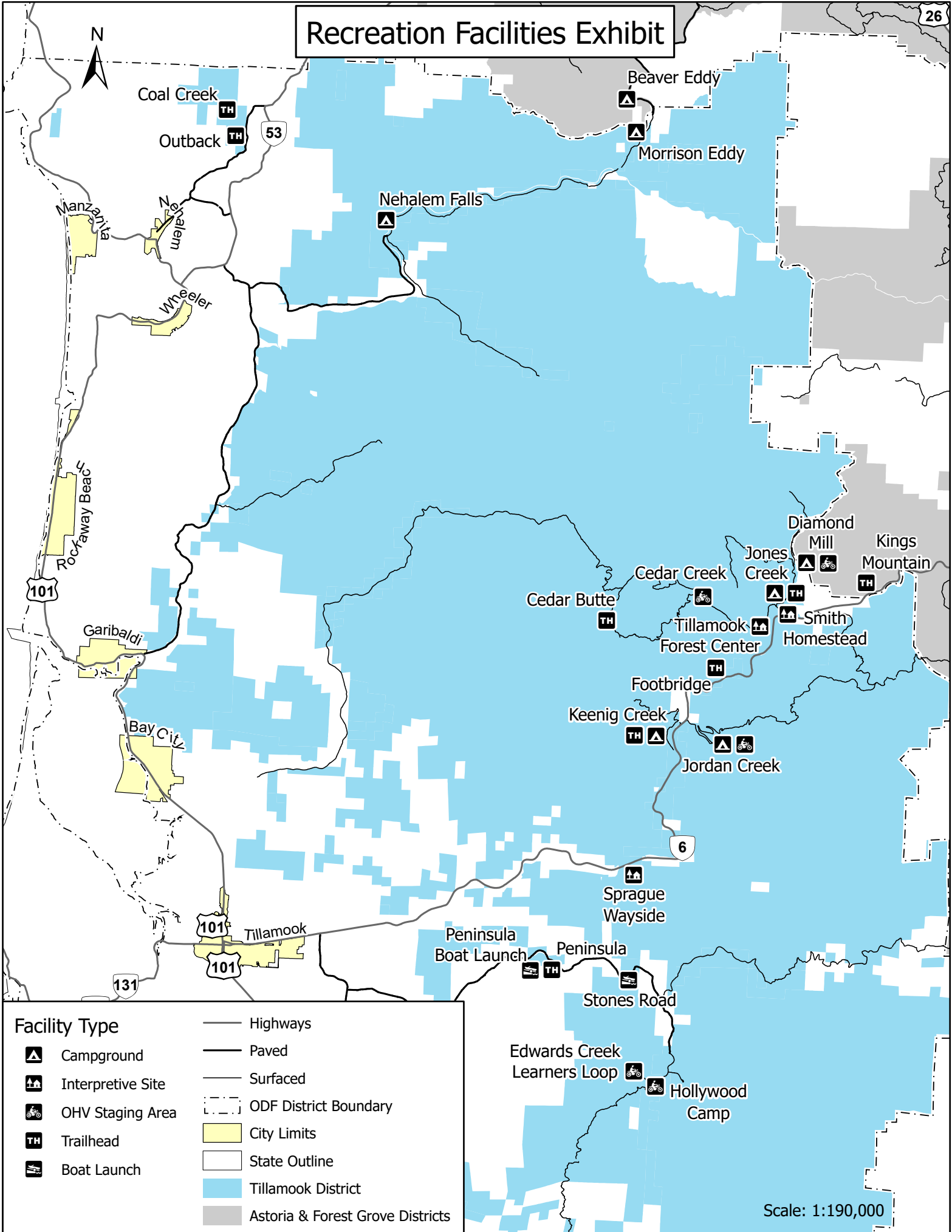
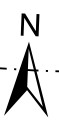
FY24 AOP Recreation Projects

- Trail Construction
- AOP Planned Recreation Project - Points
- Highways
- Paved Roads
- Forest Roads
- ODF District Boundary
- City Limits
- State Forests - Forest Grove District



Scale: 1:190,000

Recreation Facilities Exhibit



Facility Type

- Campground
- Interpretive Site
- OHV Staging Area
- Trailhead
- Boat Launch

- Highways
- Paved
- Surfaced
- ODF District Boundary
- City Limits
- State Outline
- Tillamook District
- Astoria & Forest Grove Districts

Scale: 1:190,000

Appendix C – Consultations with Other State Agencies

Oregon Department of Fish and Wildlife:

Oregon Department of Fish and Wildlife biologists attended a Fiscal Year 2024 Annual Operations Plan review meeting for resource specialists and were provided the Summary and Pre-Operations Reports for review. Oregon Department of Fish and Wildlife identified several stream enhancement opportunities associated with sales in the Fiscal Year 2024 Annual Operations Plan and some stream culverts that should be evaluated for fish passage if they have not been assessed already. Before determining if these potential enhancement projects will go into a full planning process, more field review is needed. The ODF Aquatic and Riparian Specialist will be consulted to help review these candidates to make sure that the streams will benefit from the proposed projects and may consult with Oregon Department of Fish and Wildlife fish biologists as needed. All culverts along haul routes for the proposed sales will be evaluated during sale preparation to ensure that they meet standards set in the ODF Roads Manual including fish passage.

Appendix D – Public Comment Process

The Oregon Department of Forestry issued a Press Release in April 2023, announcing a formal 45-day public comment period for the Fiscal Year 2024 Annual Operations Plans from April 25 through June 8, 2023.

The purpose of the Public Comment Period is to provide an opportunity for the public to review the Annual Operations Plan, 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 Tillamook District FY24 AOP since the Public Comment Period:

Timber Harvest Operations:

- *Tin Pants* – Haul Route information was updated to reflect the status of the Cook Creek Road reconstruction and to note a potential alternate haul route.
- *Elk Bugle* – Unit locations of Tillamook Western Slug and permanent plot were corrected. Stream buffers updated for Unit 464.
- *King of Diamonds* stream buffers updated.
- *Simmon's Spur* stream buffers updated.
- It was noted in sales that have not had a geotechnical review completed yet that they will be reviewed prior to sale layout.
- *Clear Creek* has been moved from Alternate status to becoming a primary sale.

Below is a link to a summary of the comments received for the FY24 AOPs and ODF's responses to those comments.

<https://www.oregon.gov/odf/documents/aboutodf/2024-aop-public-comment-summary.pdf>

Appendix E – Pre-Operations Reports

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 Modification Notification

No modifications are proposed for the Fiscal Year 2024 Annual Operations Plan.

Appendix G – Landscape Design
Implementation Plan Minor Modification Notice

No modifications are proposed with the Fiscal Year 2024 Annual Operations Plan.