

# Memo

To: Andy White, Area Director

From: Mike Cafferata, Forest Grove District Forester

CC: Liz Dent, State Forest Division Chief  
Brian Pew, State Forest Deputy Division Chief  
Rob Nall, State Forests Operation Coordinator

Date: June, 2014

Re: Information Item – Approved Annual Operations Plan for FY 2015

The FY 2015 State Forests Annual Operations Plan (AOP) for the Forest Grove District is attached for your information. During my review of this plan, I have found that it conforms to the Oregon Forest Practices Act and is consistent with the 2010 Northwest Oregon State Forest Management Plan, the 2011 Forest Grove District Implementation Plan (IP) and the FY 2015 Annual Operation Planning Standards and Guidance. Consistent with the 2015 AOP guidance, the District has included a number of alternate sales, which were subjected to the same process of review and public comment as the regular sales.

During its preparation, this plan along with minor changes to the District Landscape Design was reviewed by technical specialists from within the department and biologists from the Oregon Department of Fish and Wildlife. The draft AOP also underwent a 45-day public comment period. The Forest Grove District did not receive any specific comments related to the FY15 AOP or the minor changes to the Landscape Design. Details of minor changes to the FY 15 AOP can be found in Appendix E of the AOP.

The management activities planned for this AOP are also consistent with the FY 2015 budget level. Due to agency budget constraints, the primary focus of the District Recreation Program will be directed at base level maintenance of existing infrastructure and trails.

The goal of the Forest Grove District IP is to maintain an average harvest level of 61 MMBF for the duration of the current IP. The FY 2014 AOP contract volume accomplishment exceeded the planned volume of 59 MMBF by 4.4 MMBF. After review of this information with the Area Director and the Deputy Division Chief, the FY 15 AOP planned volume has been reduced in accordance with the FY 2015 AOP Guidance to 56.6 MMBF. The 56.6 MMBF of harvest

volume will be achieved through 1,004 acres of partial cut and 1,121 acres of regeneration harvest. There are 12 primary operations and 4 alternate operations proposed within this plan. The net revenue estimate for the FY 2015 AOP is approximately \$21,652,760 (\$9,698,486 in Tillamook County; \$7,612,074 in Washington County; \$988,880 in Clatsop County and \$3,353,320 in Columbia County).

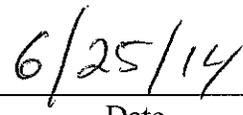
This annual operations plan covers proposed forest management activities for fiscal year 2015. Approval of this plan does not constitute final approval of individual project details. Individual operations are subject to additional review processes at the district and program staff level before implementation.

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. Modifications to these operations will conform to the process included in the draft Annual Operations Planning Directive. The alternate sales in this Annual Operations Plan may be used to replace regular sales that cannot be completed as planned. Actual revenue realized from this AOP could change due to market fluctuations.

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://oregon.gov/ODF/STATE\\_FORESTS/Annual\\_Operations\\_Plans.shtml](http://oregon.gov/ODF/STATE_FORESTS/Annual_Operations_Plans.shtml).

Approved:

  
Mike Cafferata  
Forest Grove District Forester

  
Date

**FOREST GROVE  
DISTRICT  
2015 ANNUAL  
OPERATIONS PLAN**



# FOREST GROVE DISTRICT

## 2015 ANNUAL OPERATIONS PLAN

### OVERVIEW

This plan describes the activities and outcomes that Oregonians can expect to see on the eastern side of the Tillamook State Forest for 2015. We welcome your comments, and will use them to improve this plan within the scope of the Department's authority, in alignment with the longer term overarching plans, and bounded by budgets and staff resources.

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 large 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. 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 improvement. Current financial constraints are currently limiting many activities and you will see this theme throughout the year's plan. We are striving to continue to provide the current opportunities, and are considering a few opportunities for change.

Every year in the Tillamook State Forest, we learn new things and find new challenges and opportunities. In preparing this plan, we have consulted with geotechnical specialists, wildlife biologists, fish biologists, aquatic specialists, engineers, adjacent landowners, and a variety of interest groups.

Over the next two months, ODF will request review and comments on our plan from others, including Washington County Commissioners, the Forest Trust Land Advisory Committee (representing the counties that deeded land to ODF), the State Forests Advisory Committee (SFAC - composed of Oregonians representing many interests), Oregon Department of Fish and Wildlife, the US Fish and Wildlife Service, motorized and non-motorized recreation users, hunters, fishermen, and wildlife advocates, as well as Oregonians in general.

During this time, we want to hear your feedback, suggested revisions. In addition, any *thank you* messages to staff and volunteers are welcomed and appreciated. Thanks in advance for your review and engagement.

### **A short summary of activities planned for the coming year:**

- Planting 600,000 trees on 1,420 acres and conducting vegetation and animal management activities on an additional 4,217 acres to ensure the survival and growth of these plantations.
- Conducting over 4,000 individual surveys for northern spotted owls and 20 miles of streams for the presence of fish.
- Protecting streams and water resources through a series of buffers and seasonal restrictions.
- Stream improvement projects. An initial screen suggests that 4 streams near planned harvest units could benefit from large wood additions to the stream system. These streams will be reviewed in the field by ODF's Aquatic and Riparian Specialist and ODFW for potential projects during sale layout.
- Providing large wood for a partnership with the Upper Nehalem Watershed Council. The project includes replacing a culvert on Apiary County Road that is limiting Coho fish passage and completing restoration projects on two segments of Oak Ranch Creek in the Nehalem Drainage.
- Habitat development projects such as creating snags by removing the tops (over 700 planned this year), retaining green trees in clearcut areas, and leaving down wood, all for wildlife benefits in harvest areas and future forests.
- Maintaining 700 miles of road and improving approximately 23 miles of road to ensure ditch water is dispersed and filtered as much as possible, keeping runoff from entering streams. 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 irresponsible target shooting.
- Beginning the planning cycle to harvest approximately 56.6 million board feet of timber volume, through modified clearcut and partial cut harvest, generating revenue of an estimated \$21 Million. 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 the following developed facilities in a safe, clean, and responsible manner:
  - 5 campgrounds
  - 2 day use picnic areas
  - 2 highway wayside interpretive sites
  - 12 trailhead facilities
- 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 82 miles of motorized and 63 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, Adopt a Trail and Trail Patrol
  - Forest Clean-up
  - Trail Maintenance and Construction Work Parties
  - OHV Trail Equipment Volunteer Operator
- Supporting the pre-planned 8 to 10 organized motorized events and providing support for 2 non-motorized events. Evaluate new event proposals for fit with forest goals.
- Supporting the planning effort on the Salmonberry Rail and Trail project, the opportunity to convert the damaged Tillamook to Banks railroad line into a rail line for portions and a recreational trail throughout its length.
- Coordinating and managing conflicts resulting from a Bonneville Power Administration power line rebuild operation in the Rogers Basin (Browns Camp Area) in summer/fall 2014.
- Providing a firewood cutting program and miscellaneous forest products permits (salal, mushrooms, etc.) as done in 2014.
- Supporting ongoing research on the district, in partnership with research cooperatives and universities.

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# **INTRODUCTION**

This annual operations plan (AOP) outlines state-owned forestland managed by the Forest Grove District for Fiscal Year 2015 (FY15), which begins July 1, 2014 and ends June 30, 2015. This document describes how the activities and projects undertaken by the district will achieve the goals, strategies, and objectives of the *NW Oregon Forest Management Plan (FMP)*, *Tillamook State Forest Recreation Action Plan*, and the *Forest Grove District 2011 Implementation Plan (IP)*. Please refer to the district IP for more specific information on physical characteristics and other district resource information.

The AOP document is divided into five major categories: Integrated Forest Management; Planning and Information Systems; Public Information and Education; Administration and Appendices. A short summary of proposed activities are listed within this introduction.

The proposed operations and activities are planned to be designed, engineered, and submitted for processing during the FY15 time period. Actual on-the-ground operations will likely not occur during FY15 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 FY2015.

A 45-day public comment period was held from March 17, 2014 through May 2, 2014. The District Forester considered the comments received during this period. Minor changes made prior to approving the AOP can be found in Appendix E.

In addition to describing forest management activities for FY 2015, Appendix A of this AOP also describes *major changes\** to the State Forests' Forest Land Management Classification maps, including the implementation of High Value Conservation Areas that were reviewed and approved by the State Forester after the public comment period.

Accomplishments of forest management activities that occurred under previous AOPs can be found in several reports, including the *State Forester's Annual Report for the Association of Oregon Counties*, the *Common School Forest Lands Annual Report*, and individual district annual reports (these reports also cover the accomplishments of the Fire Protection and Private Forests Programs). These reports are available through the local district office or online.\*\*

\*Major changes and the procedures for making these changes are described in OAR 629-035-0060

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

# **INTEGRATED FOREST MANAGEMENT** **OPERATIONS**

## **Timber Harvest Operations**

### **Overview of Timber Harvest Operations**

The FY15 AOP is estimated to produce 56.6 million board feet in volume, generate gross revenues of approximately \$23,064,360 and net revenues of \$21,652,760. The planned commercial forest management activities are in alignment with the guidelines and objectives outlined in the Forest Grove District's 2011 Implementation Plan (IP). The 56.6 million board foot (MMBF) volume is below the target of 61 MMBF in the IP. The FY 2014 AOP contract volume accomplishment exceeded the planned volume by 4.4 MMBF, therefore FY 15 AOP planned volume has been reduced in accordance with the FY 2015 AOP Guidance. The goal is to maintain an average harvest level of 61 MMBF for the duration of the current IP. Refer to the attached Financial Summary Table (Appendix B, Table B-1) and vicinity map (Appendix C) for more detail.

All of the Primary and Alternate harvest operations and many of the other forest management activities have been reviewed by ODF's wildlife biologists, aquatic specialist, geotechnical engineer, road engineer, and operations coordinator, as well as fish and wildlife biologists from the Oregon Department of Fish and Wildlife. Occasionally, operations may contain a resource or activity where review with another state agency, such as the Department of Agriculture or the Department of State Lands, is warranted. Written comments from the external resource specialists and the resolution of those comments can be found in Appendix D.

**Table 1. Annual Operations Plan objectives compared to annual objectives identified in the Forest Grove District 2011 Implementation Plan. All values are acres.**

<b>Silvicultural Activity</b>	<b>IP Annual Objective</b>		<b>2015 AOP Objective</b>
	<b>Low</b>	<b>High</b>	
Partial Cut Harvest	850	3,450	1,004
Regeneration Harvest	300	1,300	1,121

Table 1 shows the proposed acres by harvest type<sup>1</sup>. The 1,121 acres of regeneration harvest planned for FY15 represents one percent of the district. Of the 1,121 acres planned for regeneration harvest 100 percent will be designed as modified clearcuts. Of the 1,004 acres of partial cut, 64 percent are planned for light partial cut and 36 percent are planned for moderate partial cut. The anticipated harvest acres, volume, and revenue for each proposed operation in this AOP are listed in the "Harvest Operations – Financial Summary" Table B-1 in Appendix B, while a vicinity map of these harvest operations can be found in Appendix C.

<sup>1</sup> The definitions of the harvest types used to describe timber harvesting on State Forests can be found on the [State Forests website](#) under Forest Management and Planning. Briefly, a Modified Clearcut is the most common of three type of Regeneration Harvest (or clearcut) that may occur on State Forests. The defining characteristics of Modified Clearcuts are that they meet the structural component standards of the FMP (green tree, snag, and down wood).

## Overview of Structural Components

Structural habitat components such as green trees, snags and down woody debris (DWD) are considered for all harvest prescriptions; however, most intentional development and retention of structural components is done within regeneration harvest units.

The green tree retention target for regeneration harvest units is five trees per acre. Green tree arrangements for this AOP include; scattered individual trees, clumps of trees, and trees concentrated in and adjacent to riparian management areas.

The Forest Grove district began leaving green trees within clearcut units in 1987, 14 years prior to the Forest Management Plan. Green tree retention levels began at one tree for every 2 acres of harvest and slowly increased up to the current level of five to seven trees per acre.

In 1992 the district began to incorporate tree topping in our timber sale contracts. Since that time there have been thousands of trees topped to create hard snags on the Forest Grove district. The FMP strategy for hard snags is to manage for at least two per acre on average across the landscape. The need for snag creation for regeneration sales is evaluated on a sale by sale basis. The wind events of 12/06, 11/07, & 12/07 made significant contributions to snag and DWD levels despite the salvage of some large concentrations and roadside blow down. This in turn led to scattered bark beetle outbreaks resulting in additional tree mortality during 2009. The majority of beetle caused mortality is located within the McGregor, Wheeler, and Upper Salmonberry Basins. Minor amounts were observed in Larch Mtn., Gales Creek, and Roger's Basins. Based on these observations, snag creation will only be required on planned sales in the Sunday Creek Basin, Wilark Basin, Scoggins Basin, and portions of Gales Creek and Roger's Basins. A total of 712 manmade snags will be created with this AOP.

Beginning in 1997, the district restricted windthrow salvage to large concentrations and roadsides allowing DWD to accumulate across the landscape. While landscape DWD levels are still below the FMP targets it is believed that over time these targets will be achieved through a combination of natural processes and the ODF salvage policy. The FMP strategy for DWD is to retain an average of 600 to 900 cubic feet of hard conifer logs (class 1 & 2) per acre during regeneration harvest. Stand Level Inventory (SLI) data indicates that there is approximately 200 cubic feet of Class 1 & 2 DWD per acre over the district. These numbers do not include additions from recent wind events or all of the snags & DWD created with recent timber sale contracts. In 2008 the district completed DWD surveys on ten recently completed modified clearcut units. Class 1 & 2 DWD amounts ranged from 600 to 1,700 cubic feet per acre. This shows that our current practices are meeting the down wood strategy.

Another opportunity for natural recruitment of snags and DWD is created by laminated root rot disease (*Phellinus weirii*). In severe cases of root rot, we attempt to retard the spread of the disease by cutting out the infected trees. In other cases we do not cut out the infected trees. This allows the disease to spread at a rate of approximately one foot per year, slowly adding snags and DWD to the stand. Whether laminated root rot is treated or untreated, we know from experience that additional trees will be infected by the disease, creating snags and eventually DWD.

Within a given annual operations plan, snags and DWD may be retained at higher levels in some units and at lower levels in other units, with the intent of achieving the landscape

targets outlined in the Forest Management Plan strategies. The estimates used in the pre-operation reports for existing snags and DWD are based on our inventory for the sale area or on the basin average when not available for the sale area. The estimates for post harvest expectations are based on contract requirements, monitoring results, and SLI data from the previous ten years of regeneration harvests. Stand Level Inventory data collected on sales harvested over the past 10 years show an average of 665 cubic feet per acre of Class 1 and 2 DWD for regeneration harvest units, and 605 cubic feet per acre of Class 1 and 2 DWD for partial cut units. These post harvest DWD results can be attributed to natural recruitment from green tree retention, residual logging slash, and tree topping.

### Minor Landscape Design Modifications

As described in the 2011 Forest Grove IP, the district has mapped a Landscape Design that designates 30% of the district acres in a future complex condition, either Layered (LYR) or Older Forest Structure (OFS). The term General management (GEN) or non-complex will be used to describe the desired future condition (DFC) of stands that are not planned for OFS or LYR in the Forest Grove District’s landscape design. The DFC landscape design for the Forest Grove district was done using a “broad brush” method incorporating a variety of landscape design principles and strategies. The original Landscape Design mapping process used stand types instead of geographical breaks to define the future complex stand boundaries with the intent that the boundaries could be fine-tuned during the planning process. Actual boundaries between complex and general DFC’s are determined on the ground during the sale planning and preparation process. Minor changes in the DFC landscape design may occur on an annual basis due to a variety of reasons. These reasons may include; refinement of the DFC boundary on the ground, forest health issues, and fitting a stand to a more appropriate or realistic pathway based on additional data collected through Stand Level Inventory (SLI) and field observations during the AOP planning process.

Listed in Table 2 is a summary of the minor changes that were made during the planning for this AOP. All changes were reviewed by ODF Resource Specialists and ODFW. The total acres of complex DFC on the district is still 30 percent as required by the current implementation plan.

**Table 2. Minor Landscape Design Modifications**

<b>Operation/Unit</b>	<b>Modification</b>	<b>Acres Added to Complex</b>	<b>Acres Removed from Complex</b>
Mor Nor Wolf	Change from LYR to GEN		7
	Change from GEN to LYR	15	
Round House	Change from OFS to GEN		93
	Change from GEN to OFS	107	
Cat’s Meow (ALT)	Change from OFS to GEN		4
Gales Back Pocket (ALT)	Change from LYR to GEN		10
<b>Total Change</b>		<b>122</b>	<b>114</b>

## **Modification Summaries**

Mor Nor Wolf: The district is proposing to change 7 acres within Area 1 which currently have a DFC of Layered to a DFC of non-complex in addition to changing 15 acres outside of the sale from a DFC of non-complex to a DFC of Layered. The 7 acre area makes a logical harvest boundary for the current sale. The 15 acre replacement piece ties into an existing DFC Layered area. The stand within the replacement area is capable of becoming complex.

Round House: The district is proposing to change 93 acres that have a DFC of OFS to a DFC of non-complex. These stands are almost purely Douglas-fir and the district believes that performing a partial cut or multiple partial cuts within these areas will not move these stands toward a complex structure. The district has chosen 107 acres of stands outside of the sale area that contain multiple tree species and are capable of becoming complex structure to move from a DFC of non-complex to a DFC of OFS.

Cat's Meow (ALT): The district is proposing to change 4 acres within the sale which currently have a DFC of Older Forest Structure to a DFC non-complex. This proposed change is a refinement of the DFC to match harvest boundaries on the ground.

Gales Back Pocket (ALT): The district is proposing to change 10 acres within the sale which currently have a DFC of Layered to a DFC of non-complex. The acreage proposed to be removed from complex is an upland piece with no resource protection requirements. This piece of ground makes a logical harvest boundary and a financially viable addition to the timber sale.

## **Harvest Operations within Terrestrial Anchor Sites and Aquatic Anchors**

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

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

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

within these areas to ensure the harvest prescriptions and rate is consistent with the goals of these strategies.

Terrestrial Anchor Sites

Since the adoption of the TAS in the July 2011, the district has been proceeding with operations in these areas. Great care has been given in selecting stands for harvest and developing prescriptions in these areas to ensure that these harvest activities achieve the goals of the TAS. These sales were reviewed with ODF and ODFW Resource Specialists. Table 3 summarizes harvest operations within the TAS proposed in the 2015 AOP and the cumulative operations in TAS since the strategy was adopted (AOPs 2012 through 2015). One operation is proposed within the Wolf Creek TAS for the FY 2015 AOP. Partial cuts have occurred within the Upper Salmonberry and Wolf Creek TAS in previous fiscal years.

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

Acres within TAS	Current AOP (FY 2015)		Cumulative Harvest (Since FY 2012)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
<b>AOP Acres</b>	1,121	1,007	4,251	5,050
% of District Acres	1%	1%	3.7%	4.4%
<b>South Fork Wilson (2,081 ac)</b>	0	0	0	0
% of Acres	0	0	0%	0%
<b>Upper Salmonberry (3,097 ac)</b>	0	0	0	365
% of Acres	0	0	0%	12%
<b>Wolf Creek (4,203 ac)</b>	0	135	0	362
% of Acres	0	3.2%	0%	8.6%
<b>All TAS (9,381 ac)</b>	0	135	0	727
% of Acres	0	1.4%	0%	7.7%

Aquatic Anchors

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

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

Acreages	Current AOP (FY 2015)		Cumulative Harvest (since FY 2014)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
<b>AOP Acres</b>	1,121	1,004	2,163	2,225
% of District Acres	1%	1%	2%	1.9%
<b>Aquatic Anchor (AA) Basins</b>				
<b>Ben Smith Creek (2,410 ac)</b>	0	0	0	0
% of Acres	0%	0%	0%	0%
<b>Devils Lake Fork Wilson River (6,132 ac)</b>	96	0	327	126
% of Acres	1.6%	0%	5.3%	2%
<b>Elkhorn Creek (1,049 ac)</b>	0	0	0	0
% of Acres	0%	0%	0%	0%
<b>Lousignont Creek/Upper Nehalem River (12,355 ac)</b>	370	723	370	727
% of Acres	3%	5.9%	3%	5.9%
<b>S. Fork Salmonberry River (5,659 ac)</b>	40	0	76	260
% of Acres	<1%	0%	1.3%	4.6%
<b>Upper Rock Creek (3,295 ac)</b>	0	0	0	0
% of Acres	0%	0%	0%	0%
<b>All Aquatic Anchors (30,900 ac)</b>	506	723	773	1,113
% of Acres	1.6%	2.3%	2.5%	3.6%

### Summary of Timber Harvest Operations by Basin

In the following section, the harvest operations planned for FY15 will be summarized in the context of the eleven management basins on the Forest Grove District. ODF and ODFW resource specialists reviewed the FY15 AOP and provided input. Individual pre-operation reports include information regarding riparian protection and structural components such as snags, down wood, and green tree retention. Since the Forest Management Plan strategies provide standards for these components, they are not discussed in the summary. Road concerns and standards are discussed in the Forest Roads Management section.

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

Basin	2015 AOP	
	Partial Cut	Clearcut
Bell Mountain	0	0
Isolated Tracts	0	0
Gales Creek	372	0
Larch Mountain	0	0
McGregor	0	189
Rogers	0	327
Scoggins Creek	0	0
Sunday Creek	0	0
Upper Salmonberry	0	118
Wheeler	632	370
Wilark	0	117

### **Bell Mountain Basin**

There is no harvest operation planned for this basin.

### **Isolated Tracts Basin**

There is no harvest operation planned for this basin.

### **Gales Creek Basin**

Top Step: This is a moderate partial cut that is divided among three separate areas. The total acreage of the sale is 226. The stands within the sale range from 63 to 119-years-old and are mixed conifer stands. All three areas have a desired future condition of complex stands. Area 1 is located within an Aquatic Anchor.

Wild and Woolly: This is a 146 acre light partial cut. The Douglas-fir stands within this sale range from 60 to 70-years old. The DFC for this sale is for older forest structure. This thinning is designed to enhance the development of the stands toward a more diverse and complex structure. This will be accomplished by targeting Douglas-fir trees for removal while retaining all other tree species. This harvest will focus on removing primarily poles, a high value product, from the sale.

Gales Back Pocket (ALT): This is a 115 acre modified clearcut. The mixed conifer stands within this sale range from 35 to 65 years-old. The sale will be replanted with a mixture of Douglas-fir, western hemlock and western red cedar seedlings. The DFC for this sale is for non-complex stands.

Two Storeys (ALT): This is a 103 acre modified clearcut divided between two sale areas. The stand within the sale consists of 62-year-old Douglas-fir. The sale has a DFC of non-complex. The root disease *Phellinus weirri* is present within this sale. This sale will be reforested with a mixture of western hemlock, western red cedar, and red alder. Douglas-fir trees may be planted in pockets where *Phellinus weirri* is not present. There is a hiking trail adjacent to Area 2. The sale boundary will be at least 50 feet from the hiking trail. The

marketing unit and recreation unit will work collaboratively during sale layout and contract writing to ensure trail protection.

Cat's Meow (ALT): This is a 157 acre modified clearcut divided between two sale areas. The stands within the sale consist of Douglas-fir trees between 75 and 80-years-old. The sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. There is a transmission line owned by Bonneville Power that runs through a portion of the sale. Extra planning and care will be taken while harvesting near these lines.

### **Larch Mountain Basin**

No harvest operation is planned within this basin.

### **McGregor Basin**

Mor Nor Wolf: This is a 189 acre modified clearcut divided between two sale areas. The Douglas-fir stands within the sale range from 61 to 66-years-old. The sale has a DFC of non-complex. The root disease *Phellinus weirri* has been found within this sale. The sale will be replanted with a mixture of western hemlock, western red cedar and potentially some red alder seedlings. Douglas-fir seedlings may be planted in areas where *Phellinus weirri* is not present.

### **Rogers Basin**

Blazing Saddles: This is a 124 acre modified clearcut divided between two sale areas. The mixed conifer stands within this sale range from 55 to 63-years-old. The sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. The Firebreak Trail is located to the west of Area 1. This trail will need to be crossed with a temporary road to facilitate harvesting. The marketing unit and recreation unit will work collaboratively during sale layout and contract writing.

Cedar Flats: This is a 97 acre modified clearcut. This Douglas-fir stand is 48-years-old. The sale has a DFC of non-complex. The stand contains the root disease *Phellinus weirri*. The sale will be replanted with a mixture of western hemlock, western red cedar and possibly red alder seedlings. Douglas-fir seedlings may be planted in areas where root disease is not present. The Blockbuster Trail is adjacent to the sale and the Nels Rogers Trail runs through the southern portion of the sale. The marketing unit and recreation unit will work collaboratively during sale layout and contract writing to ensure trail protection. This sale is located within an Aquatic Anchor. Increased protection measures along streams within the regeneration harvest area will be implemented as specified in the FMP.

Chicken of the Tree: This is a 106 acre modified clearcut. The Douglas-fir stands within this sale range between 56 to 63-years-old. The sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. The Pink Ribbon motorcycle trail runs through the sale. The marketing unit and recreation unit will work collaboratively during sale layout and contract writing to ensure trail protection.

## **Scoggins Creek Basin**

No harvest operation is planned within this basin

## **Sunday Creek Basin**

Blind Ambition (ALT): This is a 116 acre modified clearcut. The Douglas-fir trees within the sale are 58-years-old. The sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar.

## **Upper Salmonberry Basin**

Sam Hill: This is a 117 acre modified clearcut divided between two areas. The Douglas-fir trees within the sale are approximately 60-years-old. The sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. Area 1 is located within an Aquatic Anchor. Increased protection measures along streams within the regeneration harvest area will be implemented as specified in the FMP.

## **Wheeler Basin**

Motley Lou: This is a 276 acre light partial cut. The stands within this sale range between 69 to 86-years-old. The sale has a DFC of layered and older forest structure. A portion of this sale is located within the Wolf Creek Terrestrial Anchor Site. This thinning is designed to maintain and enhance the development of the stands toward a more diverse and complex structure. This will be accomplished by targeting Douglas-fir trees for removal while retaining all other tree species. ODF and ODFW biologists have reviewed this sale and the proposed prescription in the field. This sale is also located within an Aquatic Anchor.

Poley Anna: This is a 216 acre light partial cut consisting of two separate sale areas. The Douglas-fir stands within this sale are almost 80-years-old. The desired future condition of this sale is non-complex. The goals for this operation are to develop access to the parcel and to harvest high value products, primarily poles. The remaining timber will be considered for clearcut in 5 to 10 years. This sale is located within an Aquatic Anchor.

Pride of Doty: This is a 214 acre modified clearcut divided among three separate sale areas. The Douglas-fir stands within this sale are 63-years-old. This sale has a DFC of non-complex. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. This sale is located within an Aquatic Anchor. Increased protection measures along streams within the regeneration harvest areas will be implemented as specified in the FMP.

Round House: This is a combination sale with four modified clearcut areas totaling 157 acres and one moderate partial cut area of 140 acres. The Douglas-fir stands within this sale are 70-years-old. The areas that are to be clearcut have a DFC of non-complex. The partial cut area has a DFC of older forest structure. The clearcut areas will be replanted with mostly Douglas-fir seedlings along with a mixture of western hemlock and western red cedar. The Raven Ridge mountain bike trail runs through the sale. The marketing unit and recreation unit will work collaboratively during sale layout and contract writing to ensure trail protection.

The sale is located within an Aquatic Anchor. Increased protection measures along streams within the regeneration harvest areas will be implemented as specified in the FMP.

## **Wilark Basin**

Captain's Log: This is a 117 acre modified clearcut. The Douglas-fir trees within the sale are approximately 71-years-old. The sale has a DFC of non-complex stands. The sale will be replanted with mostly Douglas-fir seedlings mixed with western hemlock and western red cedar. There is a transmission line owned by Bonneville Power that runs through a portion of the sale. Extra planning and care will be taken while harvesting near these lines.

## **Forest Roads Management**

### **Overview**

The district's primary road network is an established system that has been in place for over twenty years. It provides access for forest management activities, fire suppression, and recreation. Visions, guiding principles, and goals for managing the district's road network are discussed in the *Northwest Oregon State Forests Management Plan* (April 2010) and the *State Forest Roads Manual* (July 2000). The *State Forest Roads Manual* also provides standards and guidance for all road management activities and definitions, road classifications and other terms.

The district's total road system consists of mostly collectors and spurs with a few under-standard roads: in total approximately 700 miles of mostly single-lane roads with turnouts. Many of the district's main roads (collectors) were originally built as railroads and then converted to truck roads in the 1940s and 1950s to standards considerably less stringent than those applied today. These roads were originally often constructed with inadequate drainage systems, poor surfacing, and little regard for slope stability and fish passage. Most of these roads have been upgraded and now have rock surfacing, width, and alignment. Drainage structure improvement continues District wide. There are still a few roads that are a legacy from those earlier decades and need improvement, access restriction, or vacating.

Almost all of the road work in this AOP is related to constructing spur roads and for improving haul routes for the FY15 timber sales. In addition, the District road crew will be maintaining roads not used for timber sales. Timber sale associated road work is summarized in Table B-4.

Identification and control of invasive weeds, mostly scotch broom, is a priority during this fiscal year. The Forest Roads Unit has been inspecting roads for presence and severity of scotch broom on District roads as limited resources are available.

Under this Plan, 12 miles of road will be constructed, and 22 miles of road will be improved. Of the roads to be improved, all are collector or spur roads that are part of the existing road system and will be improved to maintain current road standards.

## **Road Construction**

Road construction and improvement identified in this plan will be primarily achieved through project work connected with timber sales. All roads constructed as part of this AOP will be spurs. These are narrow roads (12 foot surfaced width). Collectors that connect these sale areas to the mainline system make up the remaining 20 percent of the Forest Grove system, though no collectors will be constructed as part of this AOP.

There are 12.3 miles of new spur construction in the AOP, including 12.1 miles of rocked road and 0.2 miles of native surface (dirt) road. Construction costs are estimated at \$857,600. Most of these spur roads will be constructed on gentle slopes. New LiDAR based slope information was helpful in locating roads away from locally steep slopes.

## **Road Improvement**

Approximately 22 miles of road will be improved as part of the FY 15 primary timber sales.

The majority of this improvement work will be performed on collector and spur roads and will consist of installing new crossdrains, replacing culverts, ditchline improvements, and new surfacing. Improvement costs are estimated at \$454,300.

## **Road Access Management**

Approximately 0.9 miles of road will be vacated or blocked as part of timber sales in this years' AOP. Upon completion of logging, 0.7 miles of dirt spur roads and 0.2 miles of surfaced spur roads constructed in this AOP will be blocked. Roads continue to be planned to reduce conflicts with recreational uses, and keeping the correct users on the correct road or trail, reducing conflicts when trails cross or use roads. The blocking of these surfaced roads will help the Recreation Unit better manage dispersed camping and dumping of trash.

A total of three gates will be installed with this AOP to help manage access: Cedar Flats, Mor Nor Wolf, and Two Storeys (Alt). Access management is needed due to current trash dumping issues and target shooting issues.

Total road vacating and blocking are estimate at \$9,000.

## **Road Maintenance**

Roads will be maintained as necessary to protect water quality and the road system asset value. Road maintenance activities will follow the maintenance guidance in Chapter 7 of the Forest Roads Manual and the Forest Practices rules. Road maintenance is accomplished under timber sale contracts for roads used for hauling forest products, and using the district road crew for all other roads. Maintenance is focused on ensuring proper drainage to prevent sediment entering streams. After this, roads are graded to allow efficient forest management and where needed, recreation. Collector roads and roads in active sale areas need and get the most maintenance. District personnel respond to heavy storms and thaw periods by 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.

## **Land Surveying**

There has not been an active land survey program on the District for a number of years. Fortunately, many of our neighbors have been surveying, and have marked property boundaries. For the FY 15 AOP, property lines need to be examined in the field to determine the status of the lines for the Captain's Log and the Top Step sales.

## **Young Stand Management**

### **Site Preparation**

These activities prepare the planting sites so new stands can be effectively established. Treatments include slash burning, mechanical site preparation, and chemical treatments.

- 1) Slash Burning: There are two sales that could see broadcast burning in FY15, including Beaverdam Switchbacks and Daily Grind Area 3 for a total of 64 acres. These units, or portions of them, have favorable burn boundaries and offer great opportunities for cost effective site prep and training for district personnel. Protection Unit staff will be involved in the coordination of these activities.

Other harvest units completed in 2013 and 2014 will be considered for burning of landings and piles to create additional planting spots within the units. Post harvest assessments will determine the actual necessity to burn.

- 2) Mechanical Site Preparation: There are eight units that may need some amount of mechanical site preparation, up to 225 acres, which is included in the timber sale contract. These sales have relatively gentle terrain that can be accessed by equipment to accomplish site preparation without causing significant soil compaction.

Mechanical site preparation may include slash manipulation or piling and reduction of competing vegetation. It is utilized where slopes are less than 35%, brush and/or harvesting debris prevent the planting and establishment of the desired number of trees per acre and burning is either more costly or impractical due to poor control boundaries or smoke management restrictions. Planting spots are created in a fairly even distribution.

- 3) Chemical Site Preparation: This method of site preparation is used when it is found to be the most cost effective method to control vegetation that would severely impact the survival and growth of newly planted seedlings. The objective is to control brush species to allow stand establishment and maintain 2-3 years free of significant competing vegetation. The current estimate is for approximately 700 acres on eleven harvest units, which is slightly higher than the historical average for the District. The actual site preparation plan will be prepared in late spring when harvest unit availability and brush development is better known. Most chemical site preparation is completed by helicopter spraying. Some smaller areas will be done using ground methods where aerial application is not cost effective or to protect adjacent ownership or specific resources (i.e. water).

## Planting

Initial Planting: Planting activities establish the desired species and stocking levels to meet the goals in the Forest Management Plan. Seedlings are planted in modified clearcuts, areas that have had *Phellinus weirii* treatment, and stands where current stocking does not meet Forest Management Plan goals.

- 1) Initial Planting (Clearcut Units): There are an estimated 1200 to 1300 acres that will be planted during FY15. All of these sites will be planted to allow for the establishment of stands that can be managed to provide complex structure. Douglas-fir stock will compose 70%-85% of planting stock on these sites where root rot is not a concern. Other native species will be selected and either mixed with the Douglas-fir or planted on micro sites for which they are best suited. These species include noble fir, grand fir, western hemlock, western red cedar, and red alder. The objective of planting a variety of species is to create a healthy and diverse stand by placing tree species on sites for which they are well adapted and where they will experience a high rate of survival and growth. This approach should result in stands that have adequate levels of species diversity and distribution that can be managed for complex structure.
- 2) Interplanting: The interplanting objective is to raise stocking in young plantations that are below acceptable levels, to a minimum of 300 trees per acre. Surveys are conducted one and two years after initial planting to determine interplanting needs. Where necessary, interplanting is done the following winter. During the spring and fall of 2014 surveys will be conducted to determine interplanting needs for the 2015 planting season. The current estimate is 130 acres.
- 3) Underplanting: None planned in FY15.

## Vegetation Management

Vegetation management is done to reduce light or moisture competition in a young stand of trees 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 Forest Grove District Implementation Plan.

Vegetation management can be categorized as manual cutting, aerial application of herbicides and ground-based application of herbicides. Each method is tailored to the location and vegetation control needs and all three are valuable tools used to manage vegetation in young stands. For noxious weed control, ground based application of herbicides will be the most effective and common treatment, although manual cutting is also used in some circumstances.

Emphasis is being put on site preparation and planting the first season following timber harvest, resulting in better performance of trees in planted units, a reduced need for follow-up interplanting or vegetation management, and the opportunity for diverse vegetation to develop along with planted trees. Plantations will be evaluated during the spring and summer of 2014 to determine treatment needs for FY15.

Manual: The current estimate is 100 acres.

Chemical: The current estimate is 450 acres. Weather issues at the tail end of “spray season” in the fall of 2013 prohibited planned release work that will be carried over into the fall of 2014 (FY2015).

Invasive Species: Reforestation continues to work with the Marketing, Forest Roads, and Recreation Units to identify appropriate steps each unit can take to prevent the introduction and spread of invasive plants. Knotweed, Scotch broom and false brome are the primary species known to exist in the District. Active control measures are being planned and prioritized for roadside, in-unit and trail treatment. Funding is limited.

## **Tree Protection**

Deer and elk, as well as mountain beaver, can heavily damage young stands and prevent meeting FMP goals. 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 are used to prevent damage from big game. Harvest units in the Hagg Lake area suffer significant deer and elk damage. Mountain beaver populations have greatly increased in the past few years across the District. We continue to observe historically high levels of damage.

Approximately 28 acres of new tube installation and maintenance will be required with the FY15 planting for protection of cedar. The bulk of this is located in micro-sites well suited to cedar or in pockets of *Phellinus weirii* (root rot) delineated in harvest units. The need for mountain beaver trapping has been identified on approximately 600 acres. Heavy populations are being trapped in harvest units prior to planting.

## **Pre-commercial Thinning**

Considerable acres of PCT were accomplished in the 2011 and 2012 fiscal years utilizing American Recovery and Reinvestment Act dollars, allowing us to get “ahead of the game” by thinning some stands slightly early. Funding under that program is no longer available. No PCT is anticipated for the 2015 AOP.

## **Fertilization**

Budget constraints in FY2015 eliminate the consideration of any fertilization.

## **Pruning**

No pruning is planned for FY2015 beyond W. white pine for disease prevention of blister rust. Approximately 100 acres are anticipated.

## **Recreation Management**

### **Overview of Recreation Management**

Recreation use has been taking place on the Tillamook State Forest and the Forest Grove District for more than 60 years and has been managed in varying degrees since the 1960s. Currently the direction for management of the Recreation program flows from the Northwest Oregon State Forest Management Plan (2001), the Tillamook State Forest Comprehensive

Management Plan (1993), and the Recreation Action Plan 2000 (2001). Budget levels remain static and Agency focus continues to be on maintaining existing infrastructure and opportunities.

## Planned Activities for 2015

### Facilities

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

- 5 campgrounds
- 2 day use picnic areas
- 2 highway wayside interpretive sites
- 12 trailhead facilities

All developed facilities will be operated and maintained in good working order and will be kept clean and safe for public use and managed to minimize user conflict and to avoid adversely impacting the resource. The operating season for developed campground facilities will remain consistent with the FY2014 operating season.

Project Type	Project Name	Work Resources	Project Description
Infrastructure Upgrade	Browns Camp Picnic Table Replacement	South Fork Inmate Crew	Replacement of 12 to 15 tables in Browns Camp OHV Campground and staging area. Project work consists of purchasing tables from Permapost, assembling / installing tables at Browns Camp and removing rotten / failing tables.
Facility Improvement	Elk Creek Campground Gate Relocation	ODF Equipment Operators	Project work will consist of integration planning and site design work and construction work to move the gate at the entrance to Elk Creek Campground north about 200 feet and developing additional off-season parking opportunity for visitors.
Facility Improvement	Elk Creek Trailhead Parking Area Expansion	ODF Equipment Operators & South Fork Inmate Crew	Project work will consist of integration planning, site design, and construction work to expand the trailhead parking area.
Infrastructure Upgrade	Stagecoach Horse Camp Bathroom Upgrade	South Fork Inmate Crew Oregon Equestrian Trail Volunteers	Project work will consist of removing existing wooden bathroom buildings and replacing them with new wooden structures adding a means to keep moisture from wicking and rotting the siding / interior walls.
Facility Improvement -Planning	Gales Creek Trailhead Parking Area Expansion	ODF Equipment Operators & South Fork Inmate Crew	Project work will consist of integration planning, site design, and construction work to expand the trailhead parking area
Infrastructure Upgrade	Gales Creek Overlook Rail Fence Upgrade	South Fork Inmate Crew	For this project fence rails will be harvested on site while fence posts and other materials will be purchased. Project work will include removal of existing fence, installation of post footings consisting of sono-tubes, concrete and knife plates, installation of posts and rails.
Infrastructure Upgrade	Gales Creek Campground Well Access Improvement	ODF Equipment Operators & South Fork Inmate Crew	Project work will consist of relocating existing boulder barriers to other locations in the facility and installing to removable bollard posts.

## **Dispersed Use**

Each year, an extensive amount of dispersed recreation use occurs across the Tillamook State Forest. Most of this use is associated with recreation activities such as hunting, camping, angling, sight-seeing, target shooting, swimming, and mushroom picking. Most of these activities take place at specific dispersed use sites. These activities are expected to continue in 2015 and will require varying degrees of District staff attention. Dispersed use sites will be monitored and maintained, as resources allow, to meet safety and sanitation objectives.

## **OHV Trails**

The District will continue to place emphasis on maintenance and upgrade of existing trails, development of partnerships to increase our capacity to manage the trail network, and on upgrading and improving the designated OHV trail network in an effort to better connect the trail system, protect forest resources, 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.

2015 OHV trail projects are identified and described in the following table (Table 6)

**Table 6. OHV Trail Projects**

<b>Project Type</b>	<b>Project Name</b>	<b>Project Mileage</b>	<b>Work Resources</b>	<b>Project Description</b>
Bridge Construction	#8 Julies Trail Bridges 1 and 4	NA	ODF Equipment Operators & OHV Trail Equipment and South Fork Inmate Crews. Project to be funded by a Yamaha Access Initiative Grant.	Construction of bridges 1 and 4. This project addresses user safety, trail system sustainability and resource protection issues.
Trail Construction and Upgrade	#6 Browns Powerline Upgrade and Reroute	½ -3/4 mile of trail construction and 1.2 mile of vacating work	ODF Equipment Operators & OHV Trail Equipment	Project work consists of vacating old sections of trail and constructing a sustainable trail loop. Doing so will improve drainage, reduce footprint, improve public safety, improve trail network connectivity, improve user experience, and reduce potential conflict with forest operations in the future. In addition, construction of this loop will also eliminate the existing use of two BPA access road sections for trail connections.
Trail Construction and Upgrade	#25 Elliott Creek Trail Upgrade		ODF Equipment Operators & OHV Trail Equipment	Elliott Creek Trail exists on a old road grade which is wide, flat and lacks proper water control. Project work consists of converting the existing road grade to a raised trail. Doing so will improve drainage and trail sustainability, reduce maintenance frequency, and improve user experience.
Planning	#12 Gummyworm Trail to #15 Island Trail Reroute	1.2 miles of trail construction and 0.9 miles of trail vacating	ODF Equipment Operators & OHV Trail Equipment Volunteers	Integration planning, trail location and design, and partnership development. , This project will disperse trail users, improve public safety, reduce OHV use along forest roads and minimize the impact to trail network connections due to forest management operations.
Planning	#15 Island Trail Extension	½ to ¾ mile	Resource specialist and district staff.	Integration planning, trail location and design, and partnership development. Construction of this segment would better disperse trail users and eliminate the need to use 1 to 2 miles of road to travel from Island Trail to Chute Trail.
Planning	#45 Logjam Trail Extension	½ to ¾ mile	Resource specialist and district staff.	Integration planning, trail location and design, ,and partnership development. Construction of this segment would better disperse trail users and eliminate the need to use 1 to 2 miles of road to travel from Log Jam Trail to Chute trail and Lyda Camp Area trails

**Non-motorized Trails**

The District will be focused on making improvements to existing non-motorized trails to address user safety, resource protection, investment protection, sustainability, and user accommodation. FY2015 non-motorized trail projects are identified and described in the following table (Table 7)

**Table 7. Non-Motorized Trail Projects**

Project Type	Project Name	Project Mileage	Work Resources	Project Description
Trail Construction and Bridge Replacement	Four County Point Trail	Short reroute and culvert installation	ODF District Staff , South Fork Crew s	This project will involve removing Four County Point Trail bridge #2, constructing a short reroute, and installing a culvert at the new crossing.
Trail Construction	Gales Creek Trail Segment C Reroute	½ to ¾ of a mile	ODF District Staff South Fork Crews	The Gales Creek Trail, Segment C project will re-route about a section of the trail between Round Top Road and Bell Camp Road to improve trail grades, trail sustainability, and user safety.
Trail Construction and Bridge Removal	Gales Creek Trail Segment A	1000 foot Trail Reroute	ODF District Staff South Fork Crews Volunteers	This project will reroute a section of the trail to improve trail sustainability, reduce trail maintenance need, and to eliminate two failing trail bridges.
Trail Bridge Replacement	Nels Rogers Trail Bridge #4	30 foot long bridge	ODF District Staff South Fork Crews Volunteers	This project addresses user safety, trail system sustainability and resource protection issues.
Trail Bridge Replacement	University Falls Trail Bridge	Culvert Installation	ODF District Staff South Fork Crews Volunteers	This project involves removing the bridge and installing a culvert. It addresses user safety, trail system sustainability, and resource protection issues.
Planning	Step Creek Trail Phase 3	0.5 Miles	ODF District Staff ODF Resource Specialists	The Step Creek Trail is 1.7 mile non-motorized trail located in the Reebers Camp Area. It is an easy to moderate trail open to hiking, mountain biking, and horseback riding. It has been developed in phases and approximately 75% of the existing trail has been constructed by volunteers. This project continues the extension of the Step Creek Trail to the Gales Creek Trail. Once connected with the Gales Creek Trail it will create a 3.5 to 4 mile long loop trail opportunity in the Reebers Camp area
Planning	Wilson River Trail Segment C	5.5 Miles	IMBA Staff Volunteers ODF District Staff ODF Resource Specialists	Integration planning, partnership development, fund raising, and trail location. This project represents phase two of a three phase project to extend the Wilson River Trail east from Elk Creek Campground to Storey Burn Trail. It will be a partnership project with the International Mountain Biking Association and other local trail use clubs and organizations.

**Trail Maintenance (OHV and Non-motorized)**

Maintenance of existing trails remains our highest trail program priority. Trails will be maintained as necessary to protect investment, address developing issues, and to protect water quality. Trail maintenance activity includes the completion of trail condition assessments (143 miles), development of maintenance strategies, and completion of maintenance work. Basic trail maintenance work typically involves cleaning water bars and

rolling dips, cleaning out culverts, basic trail tread work, repairing trail bridges, clearing downed trees, brushing, and sign replacement.

The District expects to complete condition assessments and trail clearing maintenance on all trails and will complete user safety and resource protection maintenance as needed. Other basic trail maintenance work is completed on most trails every two or three years. Approximately 50% of the network will receive basic maintenance attention in 2015.

## **Volunteer Program**

The recruitment and use of volunteers is critical to the overall success of the recreation program. The district currently manages a Volunteer Program that includes the following recreation oriented sub-programs:

Camp Host	Trail Maintenance and Construction Work Parties
Adopt a Trail	OHV Trail Equipment Volunteer Operator
Forest Clean-up	Trail Patrol

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; facilitation of Adopt a Trail program activities; and management of the Tillamook State Forest Volunteer Trail Patrol program. The Recreation Unit anticipates facilitating an estimated 6,000 to 8,000 hours of volunteer contribution in FY2015.

## **Event Management**

The Forest Grove district permits organized sponsored trail use events. Both motorized and non-motorized trail events are held on the district. The events consist of poker runs (fun runs), competitive timed motorcycle races, trials motorcycle competitions, and four-wheel drive rallies. Other events, such as equestrian poker rides, mountain bike races, running races, and archery events are scheduled less frequently. Non-motorized events will be evaluated to determine if the District has the capacity to continue to support these activities. In FY 2015 the district expects to review, permit, and administer 8 to 10 motorized trail events and 2 non-motorized trail events, one in the spring and one in the fall. Motorized events for FY 2015 were scheduled at a meeting in November, 2013. There are no plans to pre-schedule FY 2015 non-motorized events.

## **Unplanned Activities**

The activities above represent project and program work items for the fiscal year. However, the Agency often receives requests from non-profit and commercial businesses to utilize the forest for their trail use events or business ventures. Any new requests beyond the above described workload will be reviewed and evaluated based on the following criteria to determine whether or not the request will be permitted:

- Safety
- Risk of environmental damage
- Risk of trail and facility impacts
- Conflict with other forest users

- Conflict with other forest management activity
- Contributions to social, environmental, and economic goals
- Contribution to forest management plan goals
- Risk of fire
- Impacts on law enforcement
- Staff workload
- Opportunity for new partnerships and increased program capacity

## **Land Exchange**

There are no active land exchange projects for this AOP.

## **Other Integrated Forest Management Operations**

### **District Annual Operation Firewood Cutting Plan**

The district administers an active public woodcutting program issuing between 2,000 and 3,000 permits annually, generating \$20,000 to \$30,000 in gross revenue. The Forest Grove District will continue to issue personal firewood cutting permits in the coming year for the entire district.

#### Where:

The entire district will be open to wood cutting as described on the permits **except** for areas shown on maps attached to permits. Areas excluded from wood cutting are sold timber sales, recreation sites, planned operations, ODOT right of way, etc. All of these areas are shown as cross hatch on the maps. The district is divided into four basins for the purpose of issuing firewood permits.

#### When:

Permits will be issued for 3 week periods, during the months outside the fire season. Wood Cutting will be closed from July 1<sup>st</sup> until end of fire season.

#### Who:

Personal firewood cutting permits will be issued with a limit of 5 permits per individual or household per 12 month period (fiscal year, July 1<sup>st</sup> – June 30<sup>th</sup>). Oregon Department of Forestry does not guarantee the quality or availability of wood when issuing firewood cutting permits. Permits will be sold and administered to employees under the same process as used by public.

#### Permit Fee:

The permit cost is \$20 for 2 cords of firewood and is not transferrable to another party.

### **Miscellaneous Forest Products**

Approximately 200 miscellaneous forest products permits are sold each year, mostly for salal and mushrooms, generating approximately \$20,000 in revenue. In addition, the district sells a small number of negotiated timber sales. These sales may be utilized for recovery of wind

thrown trees, fire killed trees, or when an adjacent landowner needs to purchase right-of-way timber from the state in the event they have been granted permission to construct an access road across state ownership. These special sales usually generate revenues between \$40,000 and \$80,000 annually.

## **Planning (and Information Systems)**

Below are the significant district-level planning projects currently scheduled for commencement, completion, or both in FY15.

### **Stand Level Inventory and Other Vegetation Inventories**

No Stand Level Inventory (SLI) is planned for FY15. Stocking surveys will be conducted on approximately 2,000 acres of young stands to determine if desired live tree stocking levels have been met and to assess the need to manage competing vegetation or animal damage. These surveys will cost approximately \$20,000.

### **Wildlife Surveys**

#### Northern Spotted Owl Surveys

For FY15 sales, Forest Grove District will continue its northern spotted owl survey program, in order to effectively comply with federal and state Endangered Species Acts and to contribute to Forest Management Plan (FMP) goals. Survey requirements for each sale are determined in accordance with *ODF Northern Spotted Owl Operational Policies*, January 2012.

Two sales within the FY 14 sale plan, all 16 of the sales within the FY15 sale plan (including alternate sales), and 14 sales within the FY 16 sale plan are being surveyed for northern spotted owls, due to the presence of potentially suitable spotted owl habitat within and adjacent to the sale areas. Survey requirements for each of the sales are summarized in the table below. In addition to the spotted owl survey program associated with planned timber sales, monitoring surveys of known spotted owl sites will continue in FY15, in order to determine site occupancy and the pair, nesting, and reproductive status of resident owls.

#### Marbled Murrelet Surveys

All of the Forest Grove District is located within the Systematic Survey Zone (*ODF Marbled Murrelet Operational Policies*, July 2010), thus operational surveys for marbled murrelets will not be conducted for sales in the FY15 sale plan.

**Table 8. Summary of Surveys for Threatened and Endangered Species**

Operation	AOP Year	Species <sup>1</sup> (NSO/MM)	Survey Years <sup>2</sup>	BA <sup>3</sup> Required	Special Considerations
Parallel Universe	FY 2014	NSO	2010,2011, 2012, 2013, 2014	No	
Wolf Den City	FY 2014	NSO	2012, 2013, 2014	No	
Blazing Saddles	FY 2015	NSO	2013, 2014	No	
Captain's Log	FY 2015	NSO	2013, 2014	No	
Cedar Flats	FY 2015	NSO	2013, 2014	No	
Chicken of the Tree	FY 2015	NSO	2013, 2014	No	
Mor Nor Wolf	FY 2015	NSO	2013, 2014	No	
Motley Lou	FY 2015	NSO	2013, 2014	No	
Poley Anna	FY 2015	NSO	2013, 2014	No	
Pride of Doty	FY 2015	NSO	2013, 2014	No	
Round House	FY 2015	NSO	2013, 2014	No	
Sam Hill	FY 2015	NSO	2013, 2014	No	
Top Step	FY 2015	NSO	2013, 2014	No	
Wild and Woolly	FY 2015	NSO	2013, 2014	No	
Blind Ambition ALT	FY 2015	NSO	2013, 2014	No	
Cat's Meow ALT	FY 2015	NSO	2013, 2014	No	
Gale's Back Pocket ALT	FY 2015	NSO	2013, 2014	No	
Two Storeys ALT	FY 2015	NSO	2013, 2014	No	
Catch and Release	FY 2016	NSO	2014	No	
Clear Head	FY 2016	NSO	2014	No	
Cope Control	FY 2016	NSO	2014	No	
Dodgin' Scoggins	FY 2016	NSO	2014	No	
Gales 80	FY 2016	NSO	2014	No	
More Cow Bell	FY 2016	NSO	2014	No	
My Mulligan	FY 2016	NSO	2014	No	
Nehail Rail	FY 2016	NSO	2014	No	
Nehalem Breaks	FY 2016	NSO	2014	No	
Nor Sam	FY 2016	NSO	2014	No	
Piggy Back	FY 2016	NSO	2014	No	
Rusty Rope	FY 2016	NSO	2014	No	
Shinning C	FY 2016	NSO	2014	No	
Sunday Punch	FY 2016	NSO	2014	No	
Whirling Derby	FY 2016	NSO	2014	No	

<sup>1</sup> Surveys are conducted according to accepted protocols when habitat for the specific species is determined to be present. NSO – northern spotted owl, MM – marbled murrelet.

<sup>2</sup> Years that surveys have been completed or are planned.

<sup>3</sup> A Biologic Assessment is required for this operation due to the presence of NSO or MM in the vicinity of the operation.

## Aquatic and Riparian Resources

The Forest Grove District's distinguishing geographic feature is its location in relation to the Coast Range divide. About one-half of the district land base drains to the Pacific Ocean and the other half flows to the Willamette River. Five rivers originate within the district. These include the Nehalem River, Salmonberry River, Wilson River, Tualatin River, and the North

Fork Trask River. In addition, nine important tributaries feed into these rivers from within the district: Wolf Creek, North Fork Wolf Creek, Lousignont Creek, North Fork Salmonberry, Gales Creek, Devils Lake Fork, South Fork Wilson, Scoggins Creek, and the North Fork of the North Fork Trask River.

Barney Reservoir lies at the district's southern end and is mostly surrounded by state forest land. Covering approximately 450 acres and with a capacity of 20,000 acre-feet, this reservoir supplies water to much of Washington County.

Several strategies, described in the Forest Management Plan, dictate protection measures designed to protect, maintain, and restore aquatic and riparian functions. These strategies are employed during harvest activities and include but are not limited to: leave trees adjacent to streams to protect stream temperature, provide nutrients, protect stream banks, and eventually provide wood to improve fish habitat. Best management practices for road construction, reconstruction, and maintenance minimize impacts to water quality. Aquatic Anchors have been established on 6 watersheds in which additional aquatic conservation measures are applied. The Aquatic Anchors include: Upper Rock Creek, Lousignont Creek/Upper Nehalem River, South Fork Salmonberry, Devils Lake Fork Wilson River, Elkhorn Creek and Ben Smith Creek.

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. Fish distribution information varies across the district. Many streams have been surveyed with electro-fishing techniques that established the upper extent of fish use. However many very small streams have not yet been surveyed for fish presence. Streams in the AOP will be evaluated with either an electro-fishing method (through contractual arrangements with private consultants or support from ODFW) or with a Physical Habitat Survey (*State Forest Program Bulletin 09-04, Determining the Upper Extent of Fish Use...*). 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.

Aquatic and Riparian Conditions: Watershed assessments have been completed on 3 watersheds on this district. In addition the Oregon Department of Fish and Wildlife completed Fish Habitat Assessments and summarized the findings by district (ODFW 2005-2006). Limiting factors have largely been identified in the ODFW conservation strategy, the 2005 State of Oregon Coastal Coho Assessment (OCCA) (State of Oregon 2005), and ODF watershed analyses. Common limiting factors include: a lack of large wood in streams, increased fine sediment in riffles, a lack of complex pool habitat, and a need for more off-channel habitat. The task during this AOP is to identify, design, and implement projects to address the limiting factors either through opportunistic projects (e.g. harvest units adjacent to streams that meet certain criteria) or through larger, multi-collaborator, diversely funded projects .

Restoration Goals and Identification Process: The overarching principles for fish habitat restoration are described in the Forest Management Plan. Landscape and site-specific strategies will improve levels of aquatic function in the short term to meet the immediate habitat needs of depressed species and place aquatic habitats on a trajectory toward desired conditions. At the same time actions are carried out to restore the ecological processes and functions that create and maintain self-sustaining habitats over the long term. Restoration strategies include completing assessments to identify limiting factors and identify, design, and implement projects to remedy identified problems. Projects should mimic natural process, use multidisciplinary approach, and consider site-specific as well as watershed scale processes

and disturbance regimes. Projects will be designed to re-establish natural physical and biological processes. The district's approach to restoration planning is further refined in the Implementation Plan (*Forest Grove District 2011 Implementation Plan, "Aquatic Resources – Stream Enhancement Projects", page 38*). The types of projects in order of priority are: (1) Fish Passage, (2) Road Decommission or Hydrologic Disconnection, (3) Instream Habitat Projects, (4) Alternative Plans to Manage Riparian Areas, and (5) Beaver Relocation. More information on these project types and rationale for priorities is provided in the Forest Grove District IP.

Projects can be planned or implemented *opportunistically* (when operating near streams that would benefit from restoration efforts) or with a more complex and typically *larger scale* approach both of which will be evaluated for ecological benefits. All sales will be evaluated for the ability to do in stream habitat projects. Those projects with high benefit and relative lower costs, which are supported by ODFW, will be implemented as resources allow.

For the Forest Grove District the goals are to:

- Implement 2-5 collaborative projects over a 10-year period if resources and partners are available.
- Implement 2-3 opportunistic projects per year if resources are available.
- Contribute to fish passage improvement and hydrologic disconnection.

In the FY 15 AOP an initial screen by the district, ODFW fish biologist, the ODF Aquatic and Riparian specialist, and ODF road specialists has identified four streams within Mor Nor Wolf, Motley Lou, Pride of Doty and Poley Anna as a potential candidate for restoration projects. These streams will be reviewed in the field by ODF's Aquatic and Riparian Specialist and ODFW for potential projects during sale layout.

#### Planned Projects within the FY 15 AOP:

- 22 miles of road will be improved. This includes installing additional cross drain culverts to hydrologically disconnect the roads from streams. There are no fish passage issues to be addressed on these roads.
- The District is working in partnership with the Upper Nehalem Watershed Council on a project on Oak Ranch Creek. If grant funding is secured, the project will replace a culvert on Apiary County Road that is limiting Coho fish passage and complete restoration projects on two segments of Oak Ranch Creek. The District will provide trees to be used for the restoration projects.

Restoration accomplishments are reported to OWEB using the OWRI electronic filing process and reported by ODF annually in our report to the counties, board of forestry, and DSL.

## **Research and Monitoring**

The Forest Grove District will assist in a variety of research and monitoring projects in FY15. Examples include:

- ◆ Red alder research areas.
- ◆ White Pine Blister Rust resistance studies.
- ◆ OSU research areas (commercial thinning and wildlife studies).
- ◆ Commercial thinning and *Phellinus weirii* research areas.
- ◆ Commercial thinning and Swiss Needle Cast study areas.
- ◆ Riparian zone functions study areas.

- ◆ Green tree retention and seedling growth demonstration areas.
- ◆ OSU Intensive Forest Management study.

### **Other Planning Operations**

Other planning activities will include road inventory updates and road closure opportunity plans.

## **Public Information and Education**

### **Public Information and Involvement**

Public information and involvement activities will include review and input regarding the FY16 Annual Operations Plan. In addition, public involvement activities concerning the Recreation program will include planning and facilitating Volunteer Trail Patrol meetings, participating and presenting at user group club meetings, and involving individuals or clubs in various district projects.

### **Public Education**

The district is involved in a variety of projects focused on informing and educating the public and interpreting the natural and cultural history of the Tillamook State Forest.

Associated activities will include:

- ◆ Maintenance of the Tillamook State Forest web page and recreation information phone line.
- ◆ Development of information board messages and content.
- ◆ Updating and reprinting OHV and Non-motorized trail guides.
- ◆ Writing press releases about Recreation program projects and recreation opportunities on the Tillamook State Forest.
- ◆ Writing articles for user group newsletters, ODF website, The Lookout, and other publications.
- ◆ Developing tools and displays to recognize and recruit volunteers and to inform and educate the public about Tillamook State Forest recreation opportunities.
- ◆ Supporting local OHV user group education programs.
- ◆ Supporting and participating in NWOA Forestry education and interpretive programs.

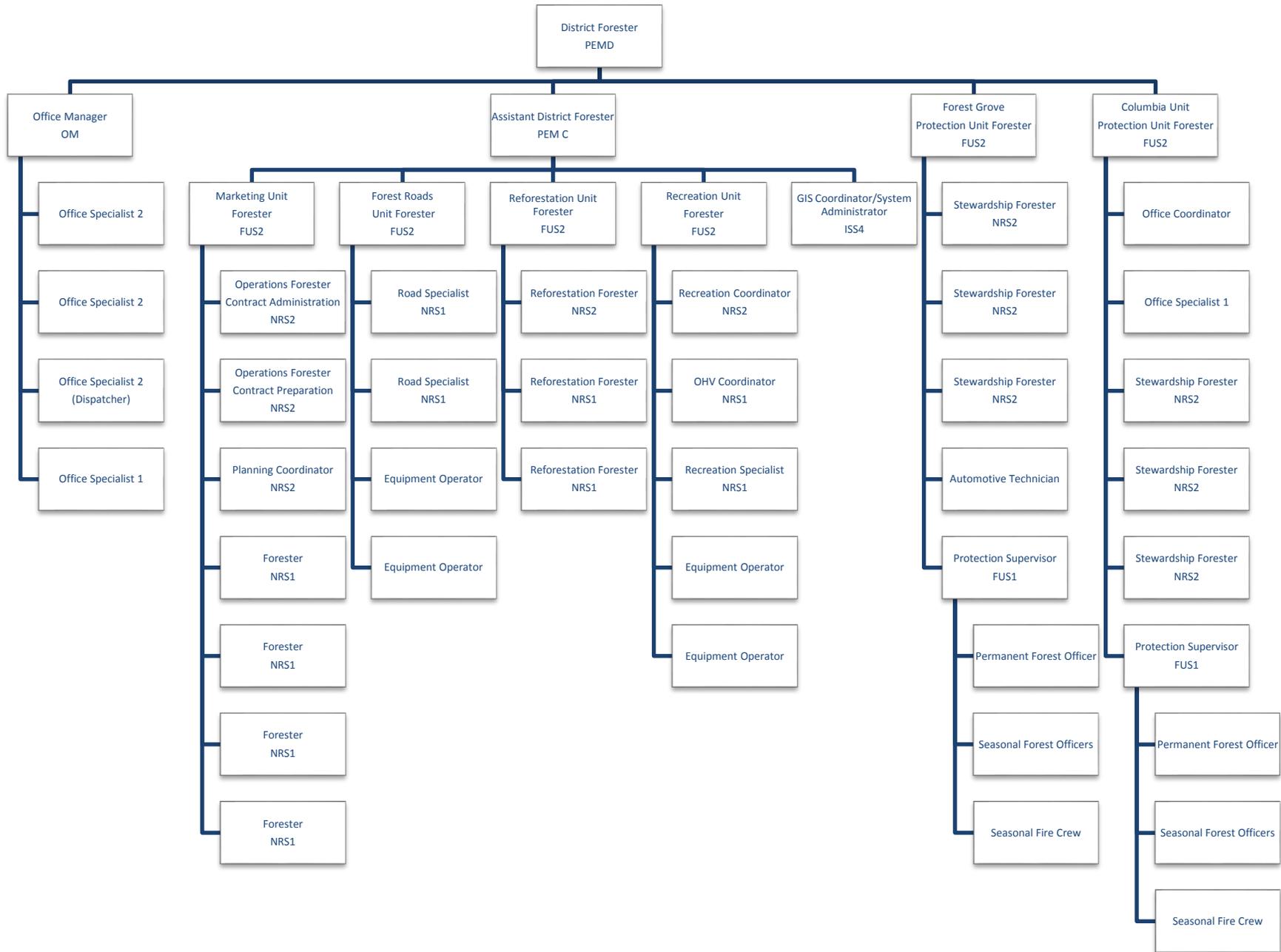
## **Administration**

The State Forest Program in Forest Grove District is organized into five separate functional work units. The five work units include:

- ◆ **Administration** includes the District Forester, Assistant District Forester, Office Manager and clerical staff. The administrative function provides policy and planning direction, budgeting, coordination between units and programs, oversight to the field

units, public contact and clerical support. The office staff is also responsible for assisting with special forest products permits and firewood permits.

- ◆ The **Forest Roads Unit** is responsible for the planning and maintenance of the district State Forest road network, the design and administration of all timber sale road development and the establishment and maintenance of State Forest property lines.
- ◆ The **Forest Management / Marketing Unit** is responsible for the planning, preparation and administration of all State Forest timber sales on the district, planning and administering threatened and endangered (T&E) species surveys, and developing and maintaining GIS data and map products related to these functions.
- ◆ The **Recreation Unit** is responsible for the planning and development of new trails and facilities, management of existing trails and facilities (campgrounds, day-use sites trailheads, and staging areas), development and management of volunteer programs, public contact and information, and monitoring and assessment of overall recreational use patterns.
- ◆ The **Reforestation / Young Stand Management Unit** is responsible for all the planning, prescription determination and administration of all reforestation and young stand management activities on State Forest land, including all the associated monitoring and record keeping.



# **APPENDIXES**

## **A. Forest Land Management Classification Changes**

This appendix describes major changes to the Forest Land Management Classification and includes maps of the specific changes.

## **B. Summary Tables**

1. Harvest Operations – Financial Summary
2. Harvest Operations – Forest Resource Summary
3. Harvest Operation – Stand Structure Summary
4. Forest Road Management Summary
5. Reforestation and Young Stand Management Summary
6. Recreation Management Summary

## **C. Maps**

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

## **D. Consultations with Other State Agencies**

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

## **E. Public Involvement**

This appendix describes the results of the public involvement process of this AOP.

## **F. Pre-Operations Reports**

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

# Appendix A

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## **FLMCS Changes**

This is an explanation of proposed major changes to the Forest Land Management Classification System.

# APPENDIX A

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## **Forest Land Management Classification System (FLMCS) Major Change Notification**

The FLMCS is a method of describing the management emphasis of parcels of state forest land. The management emphasis identifies the extent to which a parcel of land can be managed for a variety of forest resources. It also identifies when a particular forest resource may need a more focused approach in its management, or possibly an exclusive priority in its management.

The framework of the FLMCS places all state forest land within one of four land management classifications. The classifications are: (1) General Stewardship, (2) Focused Stewardship, (3) Special Use, and (4) High Value Conservation Area. Subclasses are assigned for the specific forest resources that require a Focused Stewardship, Special Use or High Value Conservation Area Classification.

A major modification of the FLMCS is defined as one that cumulatively exceeds 500 acres within one year. When changes in excess of 500 acres are proposed, a 45 day public comment period is held to allow review and suggestions. The public comment period occurred between March 17 and May 2, 2014 and included three open houses that focused on the implementation of the revised FLMCS rules. In response to the public comment period, the Division received:

- Eight letters/emails
- Approximately 1,700 form letter type emails
- Fifteen comments generated through an on-line survey

Almost all of the comments were generally supportive of the implementation of the FLMCS and they contained no specific requests to change the maps/data. Many of the comments included a request that the Department improve the durability of the High Value Conservation Areas; this issue is currently being addressed through the Alternative Forest Management Plan Project. The changes were approved by the State Forester.

The current FLMCS for the Forest Grove District was established in early 2011. In 2013 following a public comment period, the Board of Forestry modified the process to add a new classification called High Value Conservation and rename Special Stewardship to Special Use. As a result of this significant change to the FLMCS, the District took this opportunity to do a thorough re-evaluation of all the classifications within the district. Terrestrial Anchor Sites, the stream bank zone and inner zone of riparian management areas (RMA) are now proposed to be classified as High Value Conservation areas. Another large change within the District FLMCS is that previously Aquatic Anchors had been erroneously placed in the Aquatic and Riparian Habitat subclass. These are now correctly classified within the Wildlife Habitat subclass. A previous overlap error was corrected within the Focused Stewardship buffers along RMAs which resulted in lowered acreage within the Aquatic and Riparian Habitat subclass. Using LiDAR and field recon, additional acres were added to the Operationally Limited subclass.

The following tables from the Forest Grove District Implementation Plan, 2011 have been modified to reflect these changes:

**Table 2. Forest Grove District Acres, by Class and Fund**

<b>Classification</b>	<b>Board of Forestry</b>	<b>Common School</b>	<b>Administrative Sites</b>	<b>Total Acres*</b>
High Value Conservation	19,090	62	0	19,152
Special Use	17,201	17	16	17,234
Focused	66,645	417	0	67,062
General	35,987	166	0	36,153

\*The sum of the total acres is greater than the total acres within the District. This is due to the overlap between the High Value Conservation, Special Use and Focused classifications on the forest.

**Table 3. Forest Grove District Acres, Focused, Special Use and High Value Conservation Subclasses**

	<b>Acres Focused</b>	<b>Acres Special Use</b>	<b>Acres High Value Conservation</b>
Administrative Sites	0	112	0
Aquatic and Riparian Habitat	15,361	0	9,903
Cultural Resources	25	99	0
Deeds	0	0	0
Domestic Water Use	10,549	0	0
Easements	0	3	0
Energy and Minerals	0	80	0
Operationally Limited	0	16,313	0
Plants	0	0	574
Recreation	19,328	141	0
Research/Monitoring	441	203	0
Transmission	0	268	0
Visual	10,524	485	0
Wildlife Habitat	35,651	0	9,639

Updated FLMCS maps are included for review.



# Oregon

John A. Kitzhaber, MD, Governor

## Department of Forestry

State Forester's Office  
2600 State Street  
Salem, OR 97310-1336  
503-945-7200  
FAX 503-945-7212  
[www.oregon.gov/ODF](http://www.oregon.gov/ODF)



"STEWARDSHIP IN FORESTRY"

To: Liz Dent, State Forest Division Chief  
From: Doug Decker, State Forester  
Date: June 25, 2014

Subject: Implementation of the Revised Forest Land Management Classification Rule on State Forests

This memo addresses approval of the implementation of the revised Forest Land Management Classification System (FLMCS) rule, including the new High Value Conservation Areas and Special Use classifications, on State Forest lands managed by the following districts: Astoria, Coos, Forest Grove, North Cascade, Southwest Oregon, Tillamook, West Oregon, and Western Lane.

On June 5, 2013, the Oregon Board of Forestry adopted a revision to the FLMCS rule (OAR 629-035-0055) that added the classifications of High Value Conservation Area and Special Use while removing the Special Stewardship Classification. The purpose of this rule revision was to increase the visibility of the important conservation strategies that were already occurring on State Forests.

It was clear that implementation of this rule revision would result in a major change to the FLMCS maps/data and would be required to be available for public comment for 30-days (OAR 629-035-0060). Upon approval of the rule revision, the districts were directed to begin the task of updating the FLMCS data with the goal of having draft maps available for a public comment process that would occur concurrently with the normal 45-day public comment period for the Annual Operations Plans.

The public comment period occurred between March 17 and May 2, 2014 and included three open houses that focused on the implementation of the revised FLMCS rules, especially the location and purpose of High Value Conservation Areas. The open house were held early in the public comment period at the Forest Grove, Astoria, and Tillamook district offices. In response to the public comment period, the Division received:

- Eight letters/emails
- Approximately 1,700 form letter type emails
- Fifteen comments generated through an on-line survey

Almost all of the comments were generally supportive of the implementation of the FLMCS. Many of the comments included a request that the Department improve the durability of the High Value Conservation Areas; this issue is currently being addressed through the Alternative Forest Management Plan Project.

Several individuals indicated that old growth should be classified as High Value Conservation Areas. After reviewing the management strategies for old growth in the Northwest Oregon, Southwest Oregon, and Elliott State Forest Management Plans, I have found that old growth stands (as defined in those plans) qualifies for classification as High Value Conservation Areas under the Unique, Threatened, or Endangered Plants subclass. I have directed the districts to include existing old growth stands as High Value Conservation Areas in their final FLMCS designations.

After reviewing the draft FLMC maps/data, the public input, the recommendations from the District Foresters and Area Directors, and consistent with OAR 629-035-0060 (2), I am approving the revised FLMCS for Astoria, Coos, Forest Grove, North Cascade, Southwest Oregon, Tillamook, West Oregon, and Western Lane Districts.



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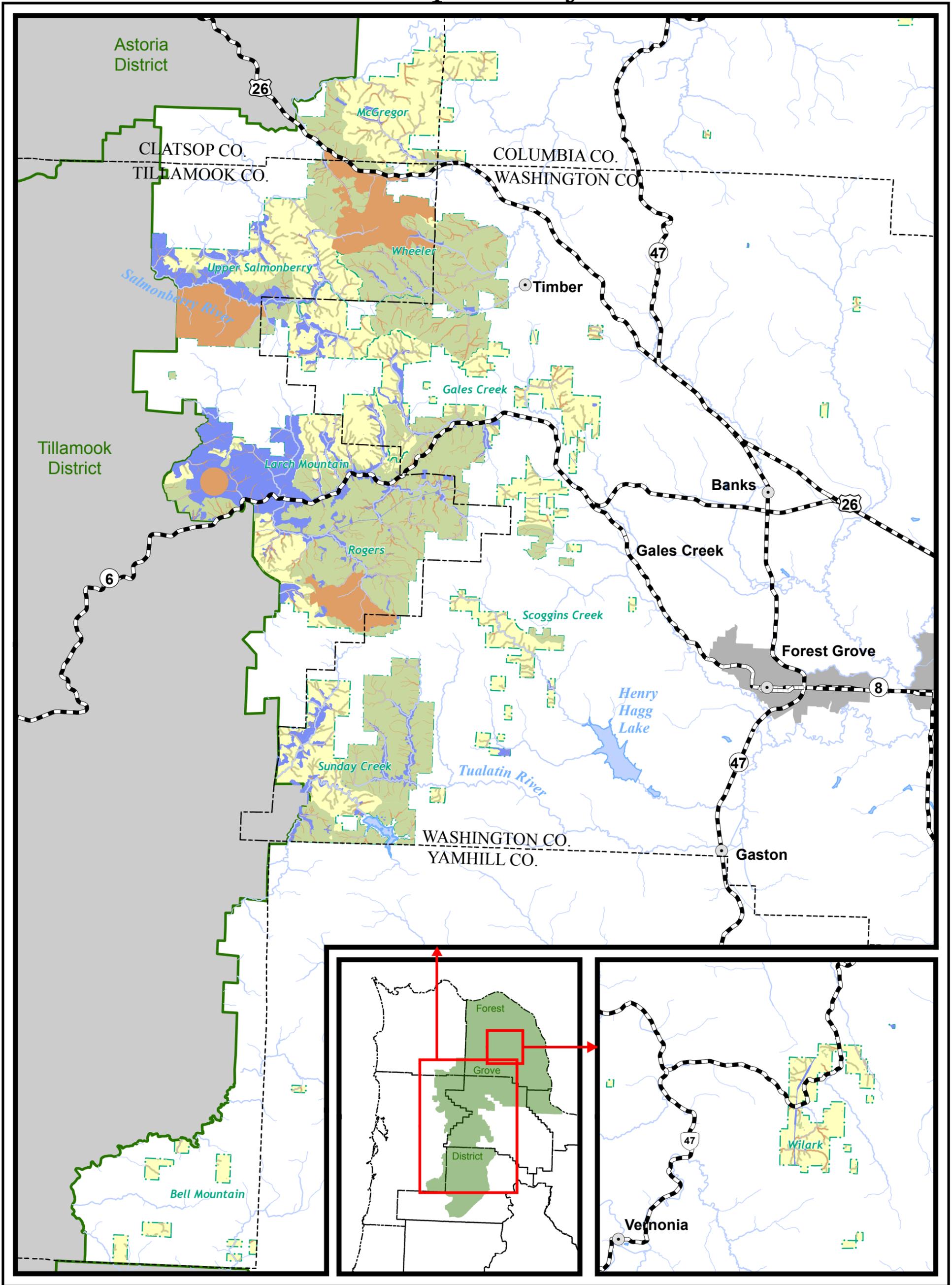
Doug Decker  
State Forester

6.25.14

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Date

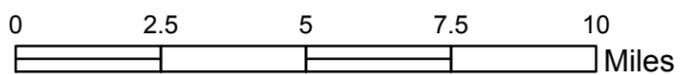
# Forest Grove District Stewardship Classifications



## Stewardship Classifications

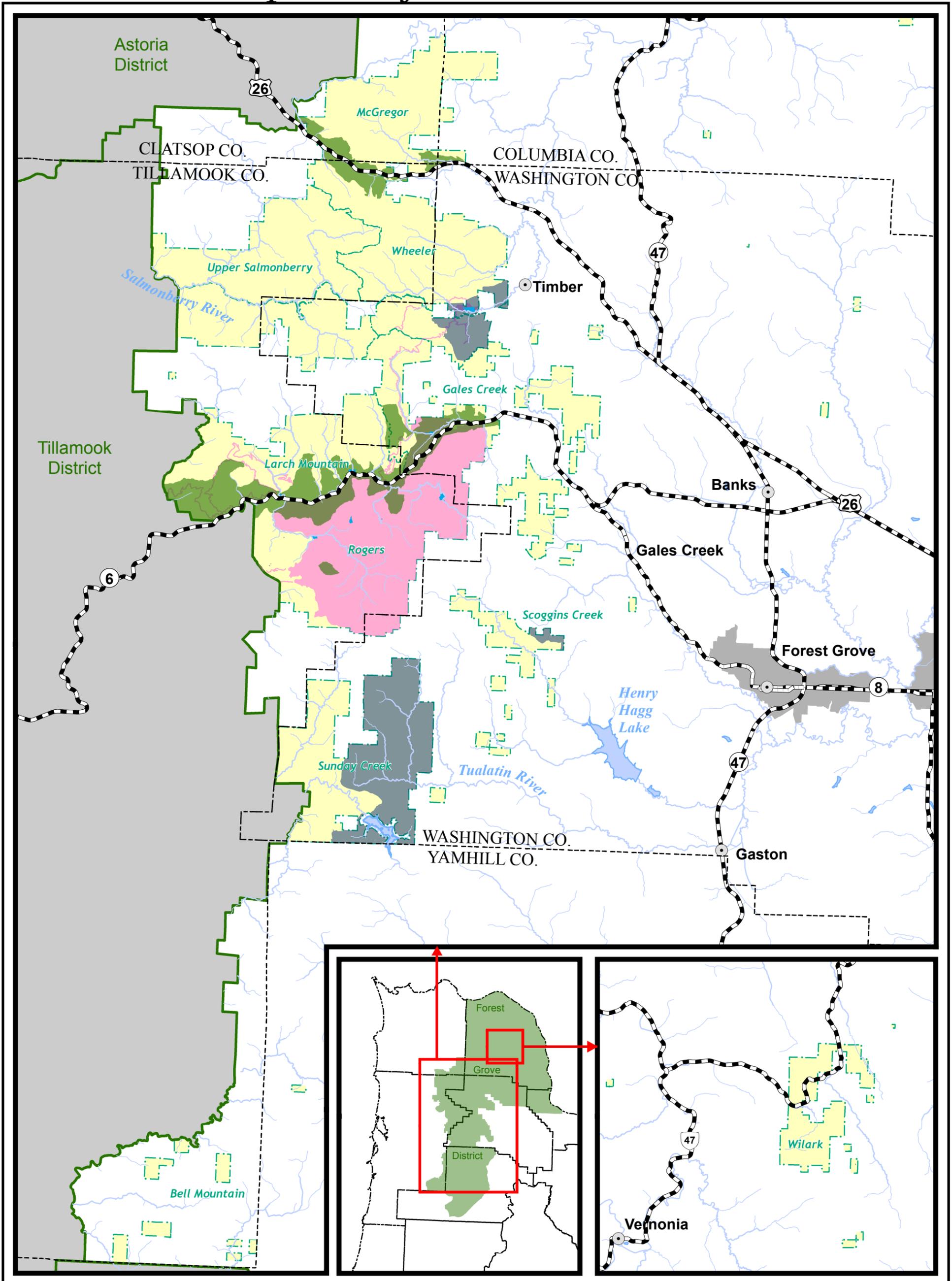
- High Value Conservation Area
- Special Use
- Focused

- Towns
- Roads
- Streams, Large
- Streams, Medium
- Adjacent Districts
- Management Basins



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# Forest Grove District Stewardship Classifications - Social Subclasses



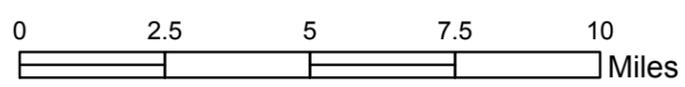
**Special Use**

- Recreation
- Visual

**Focused**

- Domestic Water Use
- Visual
- Recreation

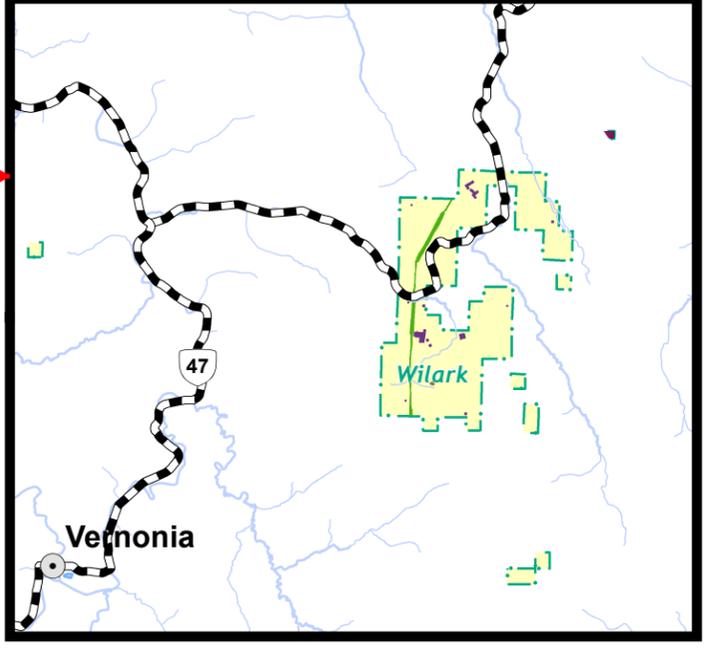
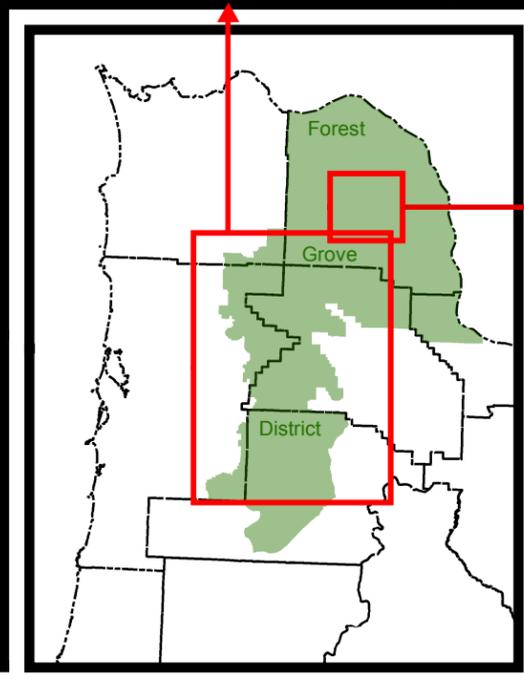
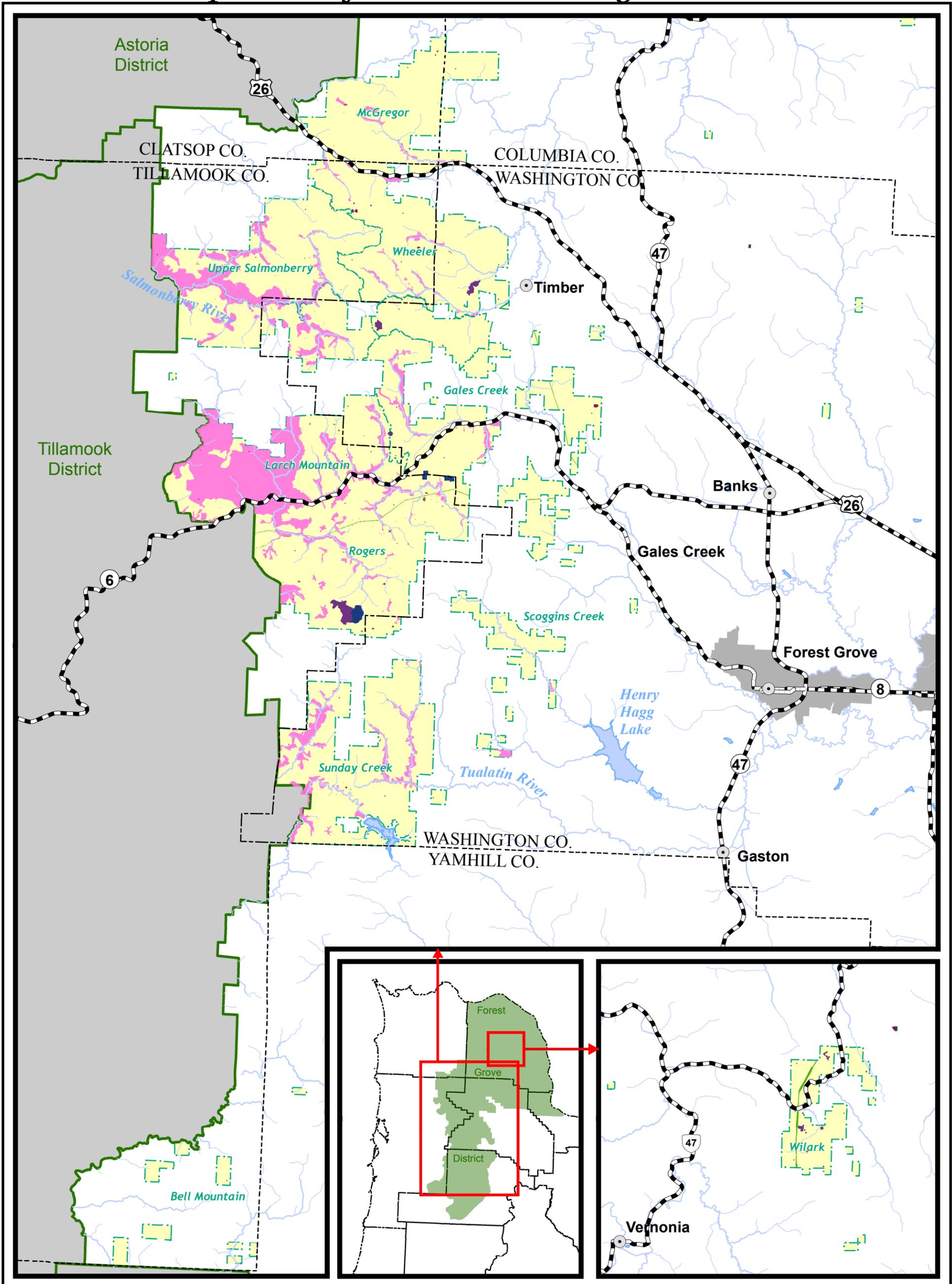
- Towns
- Roads
- Streams, Large
- Streams, Medium
- Adjacent Districts
- Management Basins



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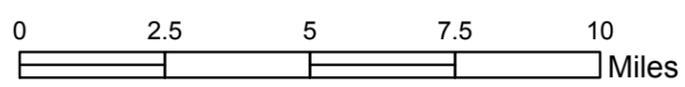
# Forest Grove District

## Stewardship Classifications - Management Subclasses



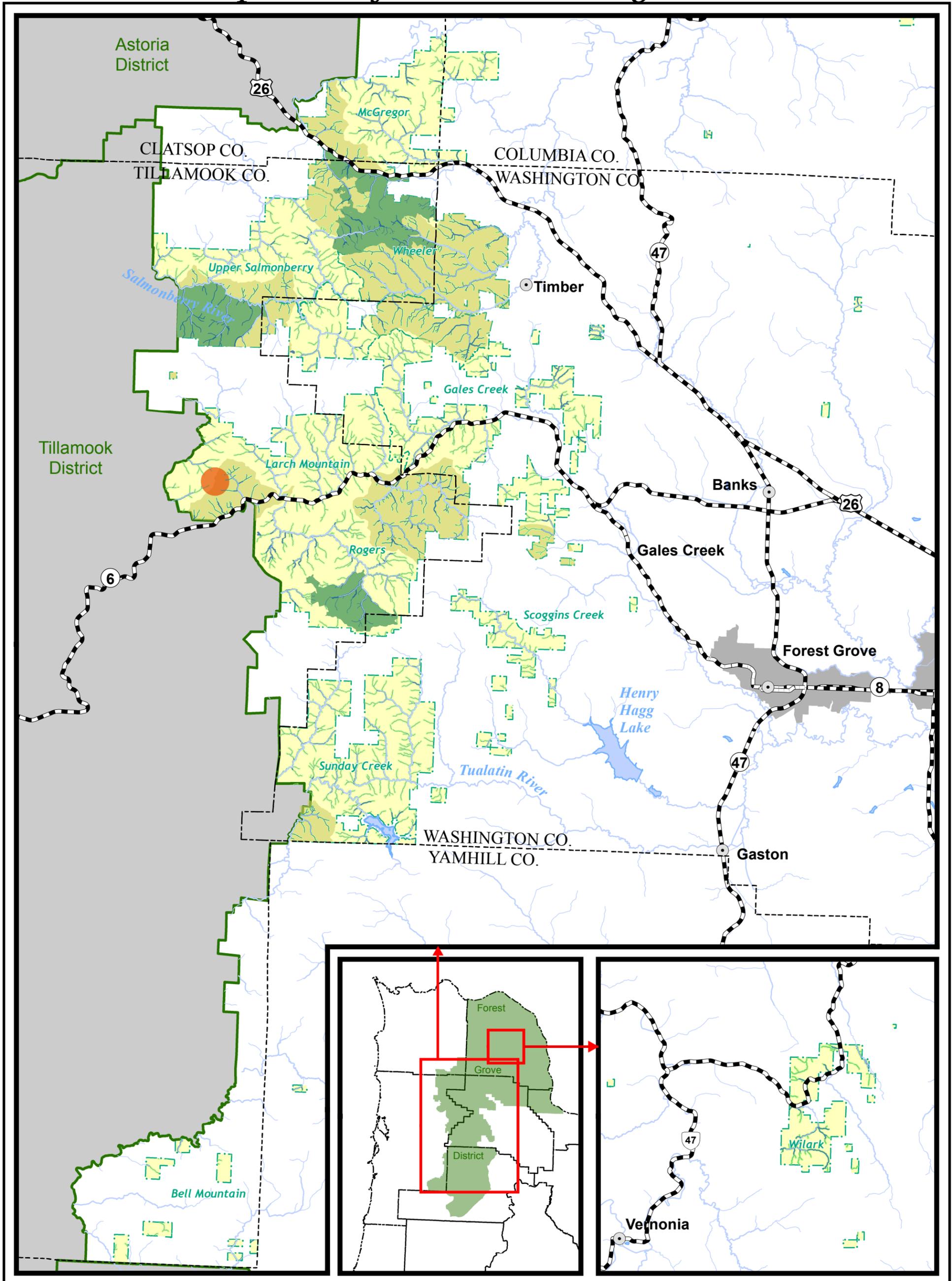
- Special Use**
- Cultural Resources
  - Research/Monitoring
  - Administrative Sites
  - Transmission
  - Easements
  - Operationally Limited
  - Energy and Minerals
- Focused**
- Research/Monitoring
  - Cultural Resources

- Towns
- Roads
- Streams, Large
- Streams, Medium
- Adjacent Districts
- Management Basins



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# Forest Grove District Stewardship Classifications - Biological Subclasses



## High Value Conservation Area

- Aquatic and Riparian Habitat
- Wildlife Habitat
- Plants

## Focused Stewardship

- Aquatic and Riparian Habitat
- Wildlife Habitat
- Plants

● Towns

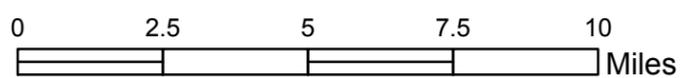
— Roads

— Streams, Large

— Streams, Medium

— Adjacent Districts

— Management Basins



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# Appendix B

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- **Table B-1: Commercial Forest Management Operations - Financial Summary**
- **Table B-2: Commercial Forest Management Operations – Forest Resource Summary**
- **Table B-3: Commercial Forest Management Operations – Forest Structure Summary**
- **Table B-4: Forest Roads Summary**
- **Table B-5: Reforestation and Young Stand Management Summary**
- **Table B-6: Recreation Management – Financial Summary**

## TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: Forest Grove

Fiscal Year: 2015

Date: 05/20/2014

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
Blazing Saddles	100%	0%	Tillamook	1		124	3.3		3.3	\$1,320,000	\$167,200	\$1,152,800
Captain's Log	100%	0%	Columbia	3		117	4.4		4.4	\$1,870,000	\$0	\$1,870,000
Cedar Flats	100%	0%	Tillamook	2		76	2.7		2.7	\$1,201,200	\$33,150	\$1,168,050
	100%	0%	Washington			21	0.8		0.8	\$338,800	\$9,350	\$329,450
Chicken of the Tree	100%	0%	Tillamook	3		106	3.3		3.3	\$1,386,000	\$142,200	\$1,243,800
Mor Nor Wolf	100%	0%	Clatsop	3		75	2.8		2.8	\$1,104,000	\$115,120	\$988,880
	100%	0%	Columbia			114	4.1		4.1	\$1,656,000	\$172,680	\$1,483,320
Motley Lou	100%	0%	Tillamook	2	170		3.1		3.1	\$1,185,600	\$134,880	\$1,050,720
	100%	0%	Washington		106		2.1		2.1	\$790,400	\$89,920	\$700,480
Poley Anna	100%	0%	Washington	4	216		2.8		2.8	\$1,260,000	\$90,700	\$1,169,300
Pride of Doty	100%	0%	Tillamook	1		214	8.0		8.0	\$3,352,260	\$62,700	\$3,289,560
Round House	100%	0%	Tillamook	4		22	0.5		0.5	\$276,488	\$15,632	\$260,856
	100%	0%	Washington		140	135	8.0		8.0	\$3,179,612	\$179,768	\$2,999,844
Sam Hill	100%	0%	Tillamook	1		117	3.9		3.9	\$1,560,000	\$27,300	\$1,532,700
Top Step	98%	2%	Washington	3	226		4.2		4.2	\$1,596,000	\$112,000	\$1,484,000
Wild and Woolly	100%	0%	Washington	3	146		2.6		2.6	\$988,000	\$59,000	\$929,000
						<b>1,004</b>	<b>1,121</b>	<b>56.6</b>	<b>56.6</b>	<b>\$23,064,360</b>	<b>\$1,411,600</b>	<b>\$21,652,760</b>

### Alternate Operations

Blind Ambition	100%	0%	Washington			97	3.1		3.1	\$1,178,000	\$0	\$1,178,000
Cat's Meow	100%	0%	Washington			157	8.0		8.0	\$3,600,000	\$0	\$3,600,000
Gales Back Pocket	90%	10%	Washington			115	4.7		4.7	\$1,880,000	\$56,800	\$1,823,200
Two Storeys	100%	0%	Washington			103	3.0		3.0	\$1,200,000	\$58,800	\$1,141,200

## PRIMARY HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

District:

Forest Grove

Fiscal Year 2015

Date: 05/19/2014

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 <sup>1</sup>	Invasive Species	LYR/OFS Structures <sup>2</sup>	Landscape Design LYR/OFS <sup>3</sup>	Install/Replace Culverts on Fish Bearing / Perennial Streams	Harvesting within 100' of Fish Bearing Stream	Domestic Water Source	Potential Stream Habitat Improvement <sup>4</sup>	Within Aquatic Anchor	Within Terrestrial Anchor	Operating within a NSO Provincial Circle	Within 1/4 mile of MIMA	T&E Fish Adjacent to Harvest Unit / Haul Route <sup>5</sup>	T&E Plants	Geotechnical Issues Needing Field Review	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues
Blazing Saddles			x	x		x											x	x		
Captain's Log			x	x																Bonneville Powerlines
Cedar Flats		x	x							x							x	x		
Chicken of the Tree			x														x			
Mor Nor Wolf	1	x	x	x	x									x			x		x	proposed DFC change
	2	x	x											x			x		x	
Motley Lou			x	x	x	x				x	x			x				x		
Poley Anna	1		x	x						x				x						
	2		x							x				x						
Pride of Doty			x							x				x					x	
Round House	1		x	x						x							x	x		proposed DFC change
	2, 3, 4, 5		x		x	x				x										proposed DFC change
Sam Hill	1		x	x						x										
	2		x	x																
Top Step	1		x		x					x										
	2, 3		x	x	x															
Wild and Woolly			x	x	x													x		

<sup>1</sup> 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

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

<sup>3</sup> A 'x' indicate that the operation contains areas that have been designated for the development of complex forest stands

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

<sup>5</sup> This table lists harvest operations (units or log haul routes) that are adjacent to streams that are known to contain T&E fish. The Pre-Operation Report identifies

### 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 <sup>1</sup>	Invasive Species	LYR/OFS Structures <sup>2</sup>	Landscape Design LYR/OFS <sup>3</sup>	Install/Replace Culverts on Fish Bearing / Perennial Streams	Harvesting within 100' of Fish Bearing Stream	Domestic Water Source	Potential Stream Habitat Improvement <sup>4</sup>	Within Aquatic Anchor	Within Terrestrial Anchor	Operating within a NSO Provincial Circle	Within 1/4 mile of MMMA	T&E Fish Adjacent to Harvest Unit / Haul Route <sup>5</sup>	T&E Plants	Geotechnical Issues Needing Field Review	Recreation Sites	Cultural Resources	Scenic Resources	Other Resources or Issues	
Blind Ambition			x																		
Cat's Meow			x	x	x																Bonneville Powerlines, proposed DFC change
Gales Back Pocket		x	x	x	x																proposed DFC change
Two Storeys		x	x														x		x		

<sup>1</sup> 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

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

<sup>3</sup> A 'x' indicate that the operation contains areas that have been designated for the development of complex forest stands

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

<sup>5</sup> This table lists harvest operations (units or log haul routes) that are adjacent to streams that are known to contain T&E fish. The Pre-Operation Report identifies

## TIMBER HARVEST OPERATIONS - FOREST STRUCTURE SUMMARY

District: Forest Grove

Fiscal Year 2015

Date: 05/20/2014

Current Structure	
	Total
REG	
CSC	
UDS	1,356
LYR	884
OFS	
<b>Total</b>	<b>2,240</b>

Post Harvest Structure				
REG	CSC	UDS	LYR	OFS
804		552		
432			452	
<b>1,236</b>	<b>0</b>	<b>552</b>	<b>452</b>	<b>0</b>

Desired Future Condition		
GEN	LYR	OFS
994		362
457	411	16
<b>1,451</b>	<b>411</b>	<b>378</b>

## FOREST ROADS SUMMARY

District: Forest Grove

Fiscal Year: 2015

Date: 05/19/2014

Operation	Construction		Improvement		Other Projects	Total Project Costs	Gross Value of Operation	Total Cost as a percent of Gross Value	Comments
	Miles	Cost	Miles	Cost					
Blazing Saddles	1.09	\$66,500	3.27	\$77,700	\$23,000	\$167,200	\$1,320,000	12.7%	
Captain's Log	0.00	\$0	0.00	\$0	\$0	\$0	\$1,870,000	0.0%	
Cedar Flats	0.63	\$37,500	0.00	\$0	\$5,000	\$42,500	\$1,540,000	2.8%	
Chicken of the Tree	0.44	\$26,200	1.60	\$96,000	\$20,000	\$142,200	\$1,386,000	10.3%	
Mor Nor Wolf	1.42	\$99,600	4.93	\$142,200	\$46,000	\$287,800	\$2,760,000	10.4%	
Motley Lou	2.45	\$196,000	1.44	\$28,800	\$0	\$224,800	\$1,976,000	11.4%	
Poley Anna	0.79	\$48,000	3.80	\$38,000	\$4,700	\$90,700	\$1,260,000	7.2%	
Pride of Doty	0.90	\$53,800	0.39	\$7,900	\$1,000	\$62,700	\$3,352,260	1.9%	
Round House	2.45	\$171,700	4.68	\$23,700	\$0	\$195,400	\$3,456,100	5.7%	
Sam Hill	0.45	\$27,300	0.00	\$0	\$0	\$27,300	\$1,560,000	1.8%	
Top Step	1.20	\$96,000	0.80	\$16,000	\$0	\$112,000	\$1,596,000	7.0%	
Wild and Woolly	0.50	\$35,000	0.95	\$24,000	\$0	\$59,000	\$988,000	6.0%	
<b>Total</b>	<b>12.31</b>	<b>\$857,600</b>	<b>21.86</b>	<b>\$454,300</b>	<b>\$99,700</b>	<b>\$1,411,600</b>	<b>\$23,064,360</b>	<b>6.1%</b>	

### Alternate Operations

Blind Ambition	0.0	\$0	0	\$0	\$0	\$0	\$1,178,000	0.0%	
Cat's Meow	0.0	\$0	0	\$0	\$0	\$0	\$3,600,000	0.0%	
Gales Back Pocket	0.68	\$41,100	0.78	\$15,700	\$0	\$56,800	\$1,880,000	3.0%	
Two Storeys	0.9	\$52,300	0.65	\$6,500	\$0	\$58,800	\$1,200,000	4.9%	

### Road Projects Not Funded by Harvest Operations

Operation	Construction		Improvement		Other Projects	Total Project Costs	Funding	Comments
	Miles	Cost	Miles	Cost				

## REFORESTATION AND YOUNG STAND MANAGEMENT SUMMARY

District: Forest Grove

Fiscal Year: 2015

Date: 12/10/2013

ODF Funded Activities Management Activity	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
Initial Planting	1,290	\$275	\$354,750				1,290	\$354,750.00
Interplanting	130	\$185	\$24,050				130	\$24,050.00
Underplanting	0						0	\$0.00
Tree Protection-Barriers	28	\$225	\$6,300				28	\$6,300.00
Tree Protection-Direct Control	600	\$50	\$30,000				600	\$30,000.00
Site Prep-Chemical- Aerial	700	\$55	\$38,500				700	\$38,500.00
Site Prep-Chemical- Hand	100	\$85	\$8,500				100	\$8,500.00
Site Prep -Slash Burning Piles	600	\$15	\$9,000				600	\$9,000.00
Site Prep -Slash Burning Brdcst	64	\$250	\$16,000				64	\$16,000.00
Site Prep -Mechanical	225	\$160	\$36,000				225	\$36,000.00
Fertilization	0						0	\$0.00
Noxious weeds	20	\$100	\$2,000				20	\$2,000.00
Release-Chemical- Aerial	350	\$65	\$22,750				350	\$22,750.00
Release,-Chemical-Hand	100	\$75	\$7,500				100	\$7,500.00
Release-Mechanical-Hand	30	\$80	\$2,400				30	\$2,400.00
Precommercial Thinning	0						0	\$0.00
Pruning - white pine blister rust	100	\$50	\$5,000				100	\$5,000.00
Other -- stocking surveys	2,000	\$10	\$20,000				2,000	\$20,000.00
<b>TOTALS</b>	<b>6,337</b>	<b>--</b>	<b>\$582,750</b>	<b>0</b>	<b>--</b>	<b>\$0</b>	<b>6,337</b>	<b>\$582,750</b>

\*Planting costs include all costs including seedlings

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

**RECREATION MANAGEMENT SUMMARY**

District: Forest Grove

Fiscal Year: 2015

Date Filled Out: 02/14/2014

Operation	Construction Projects	Construction Cost (Funding)		Improvement Projects	Improvement Cost (Funding)		Operations and Maintenance	Operations/Maint. (Funding)		Total Costs	Comments
		ODF	Other		ODF	Other		ODF	Other		
<b>Facilities</b>											
<b>Campgrounds</b>											
Stagecoach HC				1	\$ 6,500.00		X	\$ 1,000.00		\$ 7,500.00	Operations = sewage only. Improvement = Bathroom upgrades
Gales Creek CG				1	\$ 1,000.00		X	\$ 7,000.00		\$ 8,000.00	Operations = garbage (2000) & sewage only (5000). Improvement = Well access bollards
Reehers Camp							X	\$ 5,500.00		\$ 5,500.00	Operations = garbage (1500) & sewage (4000) only.
Lyda Camp							X		\$ 2,400.00	\$ 2,400.00	O&M Portable toilets. ATV Fund Transfer
Browns Camp							X		\$ 14,600.00	\$ 14,600.00	Operations = garbage & sewage only. Browns Camp operations funded by ATV Transfer allocation.
Elk Creek				2	\$ 2,500.00		X	\$ 3,000.00		\$ 5,500.00	Operations = sewage only. Improvement = 1.Relocate gate & expand parking at the gate (1000) 2.Expand trailhead parking area (1500)
Other Operations Expenses							X	\$ 50,350.00		\$ 50,350.00	Includes: Well testing, county well reviews, well maintenance, fee envelopes, host water, host supplies, dust abatement, picnic table replacement (11,000), recycle center replacement (3,000), CXT toilet painting (3,600), hazard tree removal, facilities operations supplies, signs, SF Dumpster. Also includes O&M of day use facilities.
<b>Designated Dispersed Campsites</b>											
										\$ -	
<b>Day Use Areas</b>											
										\$ -	
<b>Trailheads</b>											
Rogers Camp							X	\$ 1,600.00	\$ 1,600.00	\$ 3,200.00	Operations = sewage only. 1/2 charged to ATV Fund Transfer.

Operation	Construction Projects	Construction Cost (Funding)		Improvement Projects	Improvement Cost (Funding)		Operations and Maintenance	Operations/Maint. (Funding)		Total Costs	Comments
		ODF	Other		ODF	Other		ODF	Other		
Gales Creek Trailhead				1	\$ 1,500.00					\$ 1,500.00	Improvement = Expand trailhead parking area
Deyoe Creek										\$ -	
University Falls										\$ -	
Summit Trailhead										\$ -	
Four County Point TH										\$ -	
Storey Burn Trailhead										\$ -	
Kings Mountain TH							X	\$ 2,300.00		\$ 2,300.00	Operations sewage only.
Bell Camp Trailhead										\$ -	
<b>Interpretive Sites</b>											
Gales Creek Overlook				1	\$ 5,000.00					\$ 5,000.00	Improvement = Replace walkway viewing area fence
Sunset Rest Area (Trails)										\$ -	
										\$ -	
<b>Trails</b>											
<b>Non-Motorized</b>											
Four County Point Trail Bridge Removal, Reroute, and Culvert Installation				X	\$ 500.00					\$ 500.00	South Fork Crew Project
Gales Creek Trail Segment C Reroute.				X							South Fork Crew & Volunteer Project
Gales Creek Trail Segment A Reroute				X	\$ 800.00					\$ 800.00	South Fork Crew & Volunteer Project
Nels Rogers Trail Bridge #4				X	\$ 8,000.00					\$ 8,000.00	South Fork Crew & Volunteer Project
University Falls Trail Bridge				X	\$ 800.00					\$ 800.00	South Fork Crew & Volunteer Project
Wilson River Trail Segment C											Integration Planning, Partnership Development, and Fundraising. This project will be a collaboration with IMBA and local trail use clubs.
Step Creek Trail Phase 3											Intergration Planning, Location & Design. Partnership project with OET.
Maintenance								\$ 1,000.00		\$ 1,000.00	South Fork Crews and Volunteers. Basic Trail Maintenance on 40 miles of trail
<b>Motorized</b>											
Julies Trail Bridges 1 and 4				X		\$ 10,343.00				\$ 10,343.00	Replacing bridges 1 and 4. Yamaha Grant funding



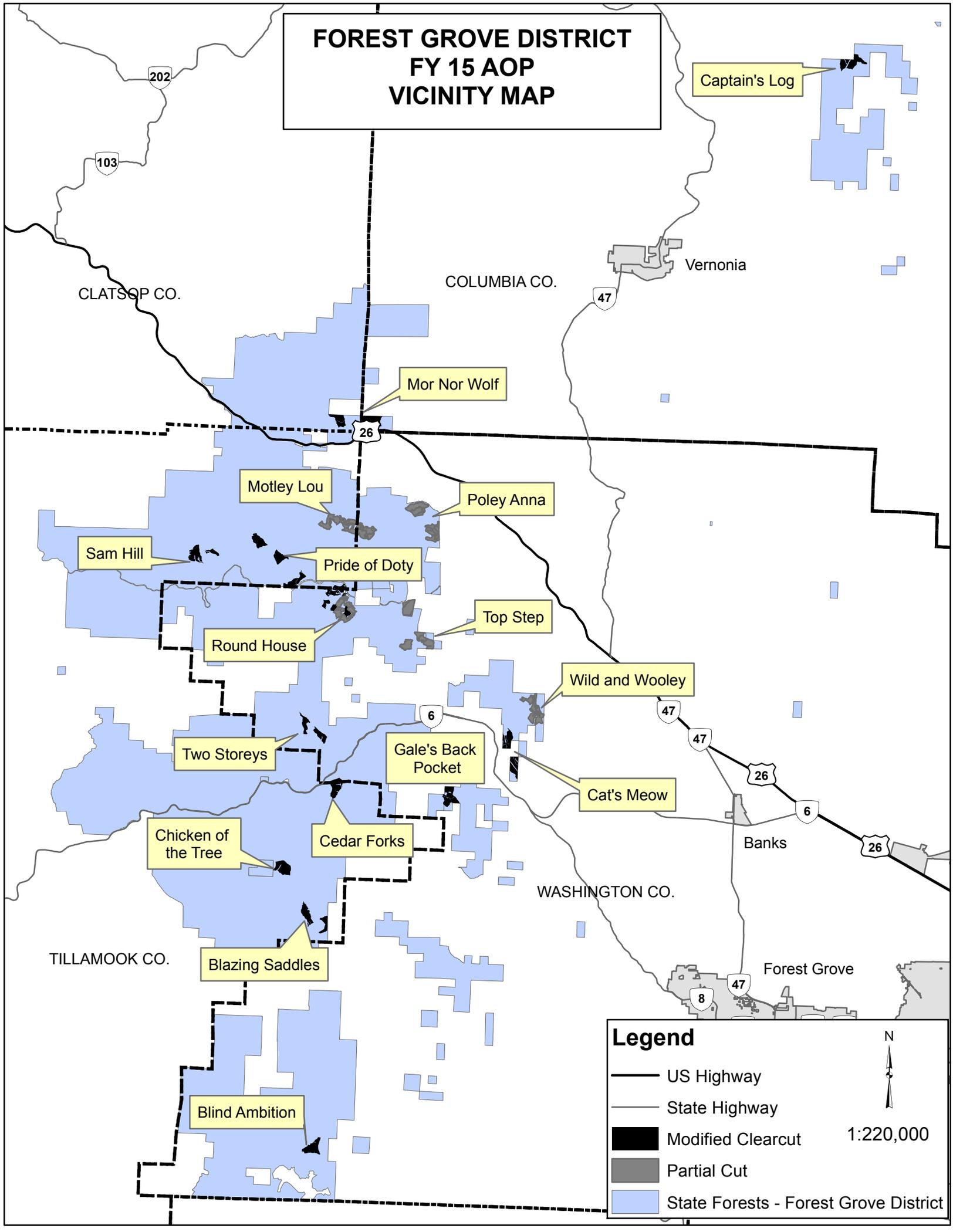
# Appendix C

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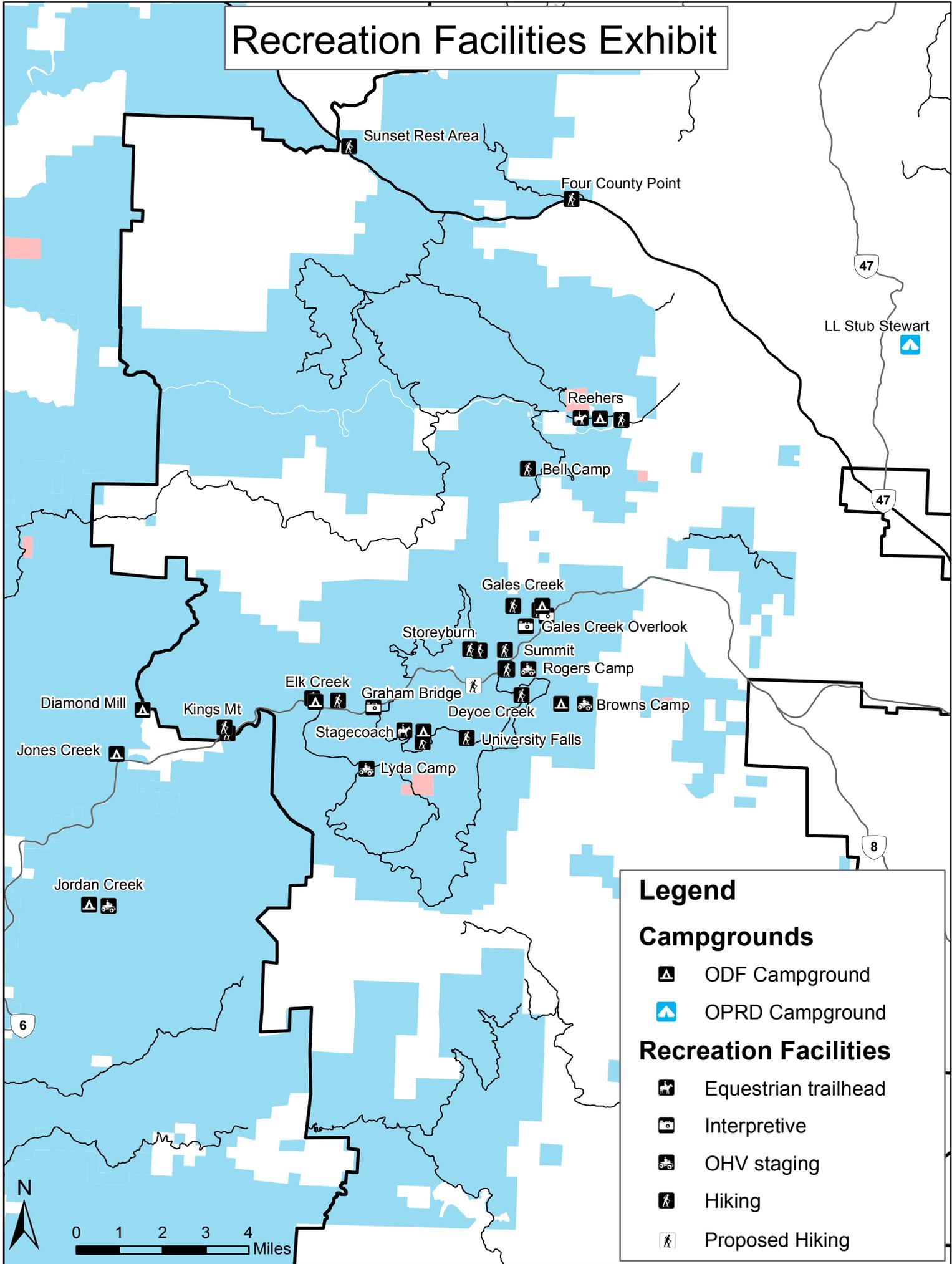
## **Maps**

- Vicinity Map of Pre-Operation locations
- Vicinity Map of Recreation project locations
- Vicinity Map of Recreation Facilities

# FOREST GROVE DISTRICT FY 15 AOP VICINITY MAP



# Recreation Facilities Exhibit



## Legend

### Campgrounds

- ODF Campground
- OPRD Campground

### Recreation Facilities

- Equestrian trailhead
- Interpretive
- OHV staging
- Hiking
- Proposed Hiking

**FY 15 AOP  
FOREST GROVE DISTRICT  
RECREATION PROJECT VICINITY MAP**

CLATSOP

UMBIA

Timber Rd.

26

Four County Point Trail

Timber Rd.

Cochran Rd.

WASHINGTON

Round Top Rd

Step Creek Trail

Gales Creek Trail Seg C

Wildcat Mtn. Rd.

703

Storey Burn Rd.

Gales Creek Campground & Trailhead

Gales Creek Overlook

Gales Creek Trail Seg A

Elk Creek Campground & Trailhead

Browns Powerline Trail

TILLAMOOK

University Falls Trail Bridge 1

Elliott Creek Trail

Nels Rogers Trail Bridge 4

Stagecoach Horse Camp

So. Fork Wilson Rd.

Island Trail

Julies Trail Bridges 1 & 4

Logjam Trail

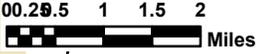
Gummyworm to Island Trail

SSM200

Scale

1:125,000

1 in = 2 miles



2500

8

# Appendix D

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## **Consultations with Other State Agencies**

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

- No written comments from other agencies have been received at this time.

# Appendix E

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## **Public Involvement**

This appendix describes the results of the public involvement process of this AOP and will be added prior to the approval of the AOP.

## APPENDIX E: PUBLIC COMMENT PROCESS FOR THE 2015 ANNUAL OPERATIONS PLAN

The Oregon Department of Forestry issued a Press Release in March 2014, announcing a formal public comment period for the 2015 Annual Operations Plans from March 17 through May 2, 2014.

The purpose of the Public Comment Period was to provide an opportunity for the public to review the AOPs, ask questions, make recommendations, and offer comments. As a public agency, ODF operates in the best interest of Oregonians, conducting business in an open way with opportunities for scrutiny to foster and maintain public confidence that ODF operations are benefiting Oregonians.

Past experience has shown that public comments have the potential to improve plans, so the objective was not only to inform the public, but to receive feedback that would help to clarify the AOPs, improve their consistency with the long range FMPs and IPs, and to become aware of any new information that could affect a planned operation or improve its efficiency or effectiveness.

The Forest Grove District did not receive any comments regarding the FY 2015 AOP. Comments in favor of the high value conservation areas in the Forest Land Management Classification update were received. Public comments and the responses to these comments can be found at:

[http://www.oregon.gov/odf/pages/state\\_forests/annual\\_operations\\_plans.aspx](http://www.oregon.gov/odf/pages/state_forests/annual_operations_plans.aspx)

### **The following changes to the Forest Grove FY 2015 AOP since the Public Comment Period:**

**Wild and Woolly:** After a closer look at the prescription for the sale, the volume was adjusted from 2.3 MMBF to 2.6 MMBF. This changes the net revenue from \$815,000 to \$929,000. This is an increase of \$114,000.

**FY 15 AOP Volume Adjustment:** The district has finished preparing all of the primary sales from the FY 14 AOP for auction. The contract volume for FY 14 was 4.4 MMBF over the planned volume. In order to maintain the goal of an average harvest volume of 61 MMBF for the duration of the district's current Implementation Plan, the planned FY 15 AOP volume will drop from 61 MMBF to 56.6 MMBF. This is in accordance with the FY 15 AOP State Forest Division Guidance.

**Gales Back Pocket:** In order to comply with the new FY 15 AOP harvest volume mentioned above, Gales Back Pocket will move from being a primary sale to an alternate sale.

# Appendix F

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## **Pre-Operations Reports**

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