

# Memo

**To:** Andy White, Northwest Oregon Area Director

**From:** Mike Totey, West Oregon District Forester

**CC:** Liz Dent, State Forests Division Chief  
Brian Pew, State Forests Deputy Division Chief

**Date:** July 3, 2014

**Re:** Information Item - Approved Annual Operations Plan for 2015

---

The 2015 State Forests Annual Operations Plan for the West Oregon District is attached for your review and approval. During my review of this plan, I have found that it is consistent with the Northwest Forest Management Plan, the 2012 West Oregon District Implementation Plan (IP), and the 2015 Annual Operations Planning guidance.

This Annual Operations Plan (AOP) covers proposed forest management activities for fiscal year 2015. The five primary sales included in this AOP are projected to generate 13.2 MMBF of volume.

Consistent with the Program's 2015 AOP guidance, the District has included five alternate sales, which were subjected to the same process of review and public comment as the regular sales.

These alternate sales may be used to replace primary sales that cannot be completed as planned. The alternate sales also allow flexibility for the program to respond to additional direction or policy changes that may be proposed by the Board of Forestry or State Forester as continuing discussions occur regarding the NW and SW Forest Management Plans. Such policy changes may directly or indirectly influence harvest levels during the 2015 fiscal year.

During its preparation, this plan was reviewed by technical specialists from the Oregon Department of Fish and Wildlife. Their comments were received verbally at the District's AOP meeting. Their comments have been documented and are on file at the district office. The draft

annual operations plan also underwent a 45-day public comment period, where no comments were received. There are no changes to the annual operations plan from public comments.

Approval of this plan does not constitute final approval of individual project details. Individual timber sales are subject to additional review processes at the district and program staff level before approval for auction. The operations described in this plan may be modified during the final preparation and/or implementation. Modifications to these operations will conform to the process included in the 2015 Annual Operations Planning guidance.

The District conducted a field review of Tower of Power with the Area Geotechnical Specialist to evaluate and address public safety concerns.

There is no direct reference to the conditional decertification and potential disposal of about 1,800 acres of CSL that could happen within the FY15 operating period.

Reforestation activities are aligned with FMP objectives and budget considerations. Young stand management activities are not in alignment with FMP objectives due to budgetary constraints. Roads management to provide safe, efficient access will be accomplished through timber sale contracts and a road maintenance contract. The FY15 AOP and fiscal budget do not include any new recreation facilities, recreation staff, and very minimal recreation support.

The official copy of this Annual Operations Plan will be on file at the district office. Additional copies are available at the State Forests Program office in Salem.

The plan is also available on the ODF web site 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)

APPROVED:



Mike Totey, West Oregon District, District Forester

7-3-2014

Date

# **WEST OREGON DISTRICT 2015 ANNUAL OPERATIONS PLAN**

# WEST OREGON DISTRICT

## 2015 ANNUAL OPERATIONS PLAN

### OVERVIEW

This plan describes the activities and outcomes that Oregonians can expect to see on State Forests in the West Oregon District for Fiscal Year 2015 (July 2014 - June 2015). Public Comments were sought 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.

Forests on the West Oregon District are actively managed, 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 Board of Forestry (Forest Development Fund (FDF)) timber sales go to local counties and other taxing districts, including schools. The revenue on "Common School Fund" Lands (CSL), owned by the State Land Board, goes directly to the Common School Fund which is managed by the Department of State Lands. ODF uses the remaining third of the FDF 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. These activities on CSL are funded by billing the State Land Board. 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 on the West Oregon District, 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.

A 45-day public comments period occurred between March 17, 2014 and May 2, 2014, during this time, ODF requested review and comments on our plan from others, including Benton, Lincoln, and Polk 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. There were no comments specific to any activities on West Oregon District.



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

- Planting 67,000 trees on 154 acres and conducting vegetation and animal management activities on an additional 300 acres to ensure the survival and growth of these plantations.
- Maintaining a 350 mile road network that provides access to timber harvest, other forest management activities, as well as various recreational opportunities. Improve and maintain roads to ensure ditch water is dispersed and filtered as much as possible, keeping runoff from entering streams.
- Conduct surveys for northern spotted owls and marbled murrelets to protect their habitat and comply with federal laws. Survey numerous streams for the presence of fish
- Protecting streams and water resources through a series of buffers and seasonal restrictions activities.
- Providing large wood for a partnership with the Oregon Dept of Fish & Wildlife. The project includes completing restoration projects on Wolf Creek in the Big Elk Drainage.
- Habitat development projects such as creating snags by removing the tops, retaining green trees in clearcut areas, and leaving down wood, all for wildlife benefits in harvest areas and future forests.
- 
- Review 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 13 million board feet of timber volume, through timber harvest operations, generating revenue of an estimated \$4 Million. This harvest level is 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.
- Providing a safe and clean environment for the myriad of dispersed activities that occur across the forest – hunting, camping, angling, sight-seeing, target shooting, mushroom picking, etc.
- Maintaining and managing the existing motorized and non-motorized trail networks through adopt-a-trail agreements, striving to protect the trail investments, provide for user safety, and protect water quality.
- Supporting the pre-planned organized motorized and non-motorized events Evaluate new proposals for fit with forest goals.
- 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.

# TABLE OF CONTENTS

<b>INTRODUCTION .....</b>	<b>6</b>
<b>INTEGRATED FOREST MANAGEMENT OPERATIONS .....</b>	<b>7</b>
Timber Harvest Operations.....	7
Overview of Timber Harvest Operations.....	8
Forest Roads Management .....	16
Road Construction.....	17
Road Improvement.....	17
Road Access Management .....	18
Road Maintenance .....	18
Land Surveying.....	18
Young Stand Management.....	18
Site Preparation .....	19
Planting .....	20
Vegetation Management.....	21
Tree Protection .....	21
Pre-commercial Thinning .....	22
Fertilization.....	23
Pruning.....	23
Recreation Management.....	23
Facilities.....	24
Trails.....	24
Management Activities .....	24
Land Exchange.....	25
Other Integrated Forest Management Operations .....	25
Aquatic and Riparian Resources .....	25

<b>Planning (and Information Systems)</b> .....	<b>27</b>
Stand Level Inventory and Other Vegetation Inventories.....	27
Fish and Wildlife Surveys.....	27
Research and Monitoring.....	28
Other Planning Operations.....	29
<b>Public Information and Education</b> .....	<b>29</b>
<b>Administration</b> .....	<b>29</b>
<b>Appendixes</b> .....	<b>32</b>
<b>A. Forest Land Management Classification Changes</b>	
<b>B. Summary Tables</b>	
<b>C. Maps</b>	
<b>D. Consultation with Other State Agencies</b>	
<b>E. Public Involvement</b>	
<b>F. Pre-Operations Reports (Available Upon Request)</b>	

---

# WEST OREGON DISTRICT

## 2015 ANNUAL OPERATIONS PLAN

### INTRODUCTION

This annual operations plan (AOP) is written in concurrence and alignment to the district's 2012 Implementation Plan. The AOP covers the State Forest lands managed by the West Oregon District for Fiscal Year (FY) 2015, which begins July 1, 2014 and ends June 30, 2015. It describes how the activities and projects undertaken by the district will achieve the goals and objectives of the 2012 West Oregon District Implementation Plan (IP) and the Northwest Oregon State Forest Management Plan (FMP). Refer to the district IP for more specific information on history, physical characteristics, and other resource information on the district.

The management activities planned for FY 2015 are based on the range of objectives established in the *2012 West Oregon District Implementation Plan* (Table 1 below), which are described in the IP Minor Modification addressed below, as well as the assumption that budget allotments will be similar to FY 2014.

The summary document of the AOP is divided into five categories: Integrated Forest Management, Planning and Information Systems, Public Information and Education, Administration, and Appendices.

The proposed harvest operations are planned to be laid out, contracts completed, and auctioned or submitted to Salem for processing during FY 2015 time period. The actual on-the-ground operations will likely not occur during FY2015 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 the FY 2015 time period.

A 45-day public comment period occurred between March 17, 2014 through May 2, 2014. State Forests received several hundred comments that were generally supportive of the implementation of the High Value Conservation Areas in the Forest Land Management Classification System. There were no comments specific to any activities on West Oregon District. The State Forester approved the Forest Land Management Classification System on June 25, 2014; his approval memo and the final summary of acres can be found in Appendix A.

The accomplishment 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 the 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 through the internet<sup>2</sup>.

## INTEGRATED FOREST MANAGEMENT OPERATIONS

### Implementation Plan (IP)

#### **Minor Modification**

The West Oregon District Implementation Plan (IP) under the Northwest Oregon State Forests Management Plan (FMP) was approved June 2012. The FMP provides for minor modifications as approved by the District Forester. Minor modifications are any modifications to the approved document that do not meet the definition of a major modification included in the approved IP document. The modification herein is less than 25% of the total harvest level and therefore qualifies as a minor modification.

#### Harvest Levels

The District recognized the need to have a higher proportion of clearcut harvest objectives in the first half of the IP period (as stated in the IP in Appendix A on pg.78), for the planned harvest ranges. This, along with the current status of T&E surveys, has caused the district to make an adjustment to the mixture of regeneration and partial cut harvest ranges to most efficiently and effectively meet FMP goals and objectives.

This modification will also help achieve the average of the annual harvest objective (12 MMBF) over the 10 year IP period. In FY13 WO accomplished 7.9 MMBF, in FY14 WO is projected to accomplish 11.3 MMBF, and in FY15 WO is planning to accomplish 13.2 MMBF. The total over those three years is 32.4 MMBF, or 10.8 MMBF/fiscal year, which is still less than the 12 MMBF annual harvest objective.

The modified IP harvest levels shown in the table below better reflects the current need of the district, the current stand conditions on the district, and will better meet the objectives over the life of the IP.

---

<sup>2</sup> The State Forests’ annual reports individual district annual reports are available on the Oregon Department of Forestry web site under publications.

Link: <http://www.oregon.gov/odf/Pages/pubs/publications.aspx>

Activity	Original IP Harvest Level	Modified IP Harvest Level
Partial Cut	200 – 1,000 acres	0 – 1,200 acres
Clearcut	100 – 280 acres	255 – 400 acres

This minor modification to the West Oregon District Implementation Plan is approved, effective March 6, 2014.

## Timber Harvest Operations

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

The planned timber harvest operations are within the total acres objective in the 2012 West Oregon District IP as modified. Activities in the AOP will contribute revenue to the counties with the overall objective of 13.2 MMBF.

It is estimated that active management will result in producing approximately 11.4 million board feet of conifer volume and 1.9 million board feet of hardwood volume, for a total of 13.2 million board feet. These FY2015 harvest operations are projected to generate gross revenues of approximately \$4,358,550. With an approximate total project work cost of \$312,000 anticipated, the net revenue produced is expected to be about \$4,046,550. Of this net revenue, approximately \$3,048,750 will be generated from Board of Forestry lands and the remaining \$997,800 will come from Common School lands. Refer to the Appendix B, Financial Summary table (B-1) for more detail on volumes and values.

In addition to revenue from timber sales, the district is anticipating selling approximately 70 minor forest products permits resulting in an additional \$7,000.

Table 1 compares the proposed acres by harvest type<sup>3</sup> in this AOP to the harvest acre ranges specified in the IP Minor Modification. Total planned acres in this AOP are 375 net acres (approximately 1.0% of the district's total acreage) which achieves the annual volume objective, in addition to making up for some of the 2 MMBF which was not planned for in the FY13 AOP. Harvest activities (net acres) in this AOP consist of 100% regeneration harvest. The anticipated harvest acres, volume, and revenue for each proposed operation in this AOP are listed in the "Harvest Operations – Financial Summary" table in Appendix B, while a vicinity map of these harvest operations can be found in Appendix C.

Table 1. Annual Operations Plan objectives compared to annual objectives identified in the 2012 West Oregon District Implementation Plan. All values are in net acres.

Silvicultural Activity	Modified IP Annual Objective		2015 AOP Objective
	Low	High	
Partial Cut Harvest	0	1,200	0
Regeneration Harvest	225	400	375

<sup>3</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).

The district has included 5 alternate operations in this AOP. These alternate operations may be used to replace primary operations that cannot be completed as planned.

The net acres listed in Table 1 and the individual Pre-Operation Reports excludes the acreage contained in roads, stream buffers and no-harvest areas within the operation areas. The net acres reflect the amount of ground that will actually be in the operations.

All of the primary and alternate harvest operations and many of the other forest management activities have been review by ODF's wildlife biologists, aquatic specialist, geotechnical engineer, staff engineer, and operations coordinator, as well as fish and wildlife biologists from the Oregon Department of Fish and Wildlife. Information on operations that will occur within the provincial circle of a northern spotted owl has been provided to the US Fish and Wildlife Service. 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.

Some smaller additional operations targeting infrastructure maintenance may also produce timber volume during the 2015 fiscal year. These small operations are not included as part of the AOP because they affect a very small area, produce little volume or revenue, and do not require significant effort to develop and execute.

The landscape design associated with the IP shows the Desired Future Condition (DFC) for state forest land in the district. Areas designated to become complex forest are indicated as either Layered (LYR) or Older Forest Structure (OFS). Stands not planned for LYR or OFS are designated as General (GEN). A stand with a DFC of GEN may develop into any of the five stand structures defined in the Northwest Forest Management Plan.

During FY 2015, regeneration harvests on the District will all be modified clearcuts.

Regeneration Harvest - The IP states that regeneration harvesting will occur primarily in areas designated as DFC GEN. Most of these harvests will be in Understory (UDS) stands and some will be in Closed Single Canopy (CSC) stands. Regeneration harvests may also occur in stands designated for DFC Complex structure where it is determined that the fastest pathway to complexity is to start over (see IP for details). The 375 acres of modified clearcut harvest (Primary Operations) in this plan consists of five harvest units which support 47-153 year old Douglas-fir and 47-69 year old Red Alder trees. In these units, 372 acres are located in areas designated as DFC GEN and three acres are located in areas designated as DFC Complex. The DFC of these three acres will be changed in a modification to the IP (see Table 2). The current condition of these stands by acreage is 97% UDS and 3% LYR.

In order to protect water quality during active operations, a variety of methods will be used to prevent sediment from entering live streams. These methods include (but not limited to) maintaining culverts and other road drainage structures, using sediment control devices in

road ditches when necessary, and seasonal restrictions on logging roads and hauling operations. Culvert installment and replacement in live streams will be conducted between July 1 and September 15. Operations outside of this period will be reviewed with Oregon Department of Fish and Wildlife (ODF&W). Riparian management areas result in leave trees adjacent to the stream which protect stream temperature, provide nutrients, protects banks, and eventually provide wood to improve fish habitat.

## **Structural Habitat Components**

Structural habitat components such as green trees, snags and Down Woody Debris (DWD) are described in Chapter 4 of the NW FMP and may be considered for all harvest prescriptions.

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 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 FMP strategy for Down Woody Debris is to retain an average of 600 to 900 cubic feet of hard conifer logs (class 1 & 2) per acre during regeneration harvest. Stand Level Inventory data indicates that there is approximately 175 cubic feet of Class 1 & 2 conifer 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.

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. Post harvest DWD results can be attributed to natural recruitment from green tree retention, residual logging slash, and tree topping.

Snag and Down Wood Inputs - In two of the five proposed primary sale modified clearcuts, seven trees per acre will be left standing in the units which should provide future legacy trees, down wood, and snags. Out of these seven trees, two trees will be retained for future snags and/or down wood to be created either by natural occurrences or post harvest. In the other three proposed modified clearcut units, six trees per acre will be left standing. One of these trees/acre will be earmarked for future snags, either to occur naturally or by post-harvest treatment.

## Landscape Design

The landscape design is a long term vision of the Desired Future Condition (DFC) for an array of stand structures across the district which will be achieved through a variety of silvicultural prescriptions across diverse stands types.

The District’s vision for future development of complex and general stands on the landscape is described and mapped in the 2012 District Implementation Plan. The Landscape Design is composed of stands occupying 31 percent of the district and the stands are to be managed for DFC – Complex structure, either Layered (LYR) or Older Forest Structure (OFS). The “Harvest Operations – Stand Structure Summary” table in Appendix B provides an overview of the current condition of the Primary Harvest Operations and their anticipated stand structure five to ten years after harvesting has been completed. In addition, this table provides a summary of the Desired Future Condition of the Primary Harvest Operations.

The district will implement silvicultural prescriptions that are consistent with the mapped DFC, which take into account stand health and the ability of the present stand to achieve the DFC designation. These silvicultural prescriptions will generally be a partial cut designed to increase the structural complexity of the existing stand.

The development of the landscape design during implementation planning generally conducted at the stand level or higher using the best available information at the time, with the recognition that some minor changes will be necessary will be necessary during operational planning.

Table 2. Minor changes to the Landscape Design.

Operation/Unit	Modification	Acres Added	Acres Removed
Shroyer Summit (primary)	Remove DFC - OFS	0	2
Adjacent to Shroyer Summit	Add DFC – OFS to type 18830	2	0
Cedar Beaver (primary)	Remove DFC - OFS	0	1
Adjacent to Cedar Beaver	Add DFC – OFS to type 18666	1	0
Doe Over (alt.)	Remove DFC - OFS	0	3
Lower Yaquina MMMA	Add DFC -OFS	3	0
Total Change		6	6

As illustrated in Table 2, these modifications are necessary to create logical harvest boundaries. In these cases, the current landscape design employed stand polygons which did not match the actual on ground stand condition. The DFC-OFS acres removed from the three sale areas will be replaced either in adjacent stands or by the current DFC-GEN acres contained in the newly established Lower Yaquina Marbled Murrelet Management Area.

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

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

Terrestrial Anchor Sites (TAS) areas 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, with the management activities within those areas 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.

Since the adoption of the TAS in the 2012, the district has not proceeded with an operation in these areas. In the future, 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. 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 2013 through 2015).

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

Acres within TAS	Current AOP (2015)		Cumulative Harvest (Since 2013 AOP)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Entire District	210	526	457	919
Total – 36,633 ac % of Acres	0.6%	1.4%	1.3%	2.5%
<b>Green Mountain</b>	0	0	0	0
Total – 1,625 ac % of Acres	0.0%	0.0%	0.0%	0.0%
<b>Wolf Creek</b>	0	0	0	0
Total – 1,001 ac % of Acres	0.0%	0.0%	0.0%	0.0%
All TAS	0	0	0	0
Total – 2,626 ac % of Acres	0.0%	0.0%	0.0%	0.0%

Table 4 summarizes harvest operations within the AAs proposed in the 2015 AOP and the cumulative operations in AAs since the strategy was adopted (AOPs 2013 through 2015).

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

Acres within AA's	Current AOP (2015)		Cumulative Harvest (Since 2013AOP)	
	Clearcut	Partial Cut	Clearcut	Partial Cut
Entire District	375	0	832	919
Total – 36,633 ac. % of Acres	1.0%	0.0%	2.3%	2.5%
<b>Rock Creek</b>	59	0	129	49
Total – 4,768 ac % of Acres	1.2%	0.0%	2.7%	1.0%
<b>Upper Yaquina – Amphibian Emphasis</b>	70	0	70	0
Total – 3,493 ac % of Acres	2.0%	0.0%	2.0%	0.0%
<b>Wolf Creek</b>	0	0	152	0
Total – 3,194 ac % of Acres	0.0%	0.0%	4.8%	0.0%
All Aquatic Anchors	129	0	351	49
Total – 11,455 ac % of Acres	1.1%	0.0%	3.1%	0.4%

### Summary of Timber Harvest Operations by Basin

Table 2. Summary of Timber Harvest Operations in each basin. All values are in net acres.

Basin	2015 AOP	
	Partial Cut	Clearcut
Big Elk Creek	0	0
Luckiamute River	0	0
Marys River	0	246
Siletz River	0	59
Upper Yaquina River	0	70

## **Big Elk Creek Basin**

### **Primary Sales**

There are no primary harvest operations planned in this basin for FY 2015.

### **Alternate Sales**

Doe Over – This proposed sale consists of one, 60 net acre modified clearcut containing 72-78 year old Douglas-fir with some scattered hardwood. The current condition is CSC and UDS in addition to a little of LYR (3 acres). The DFC is GEN.

## **Luckiamute River Basin**

### **Primary Sales**

There are no primary harvest operations planned in this basin for FY 2015.

### **Alternate Sales**

Bonney Burgett Thin – This proposed sale consists of two partial cut units totaling 100 net acres. Area 1 is a 35 year old Douglas-fir plantation and Area 2 is a 27 year old Douglas-fir plantation. The current condition of both Areas are CSC and the DFC is GEN.

Wildwood Thin – This proposed sale consists of one partial cut unit totaling 96 net acres. The sale area consist of 26 to 32 year old Douglas-fir plantations. The current condition is CSC and the DFC is GEN. This sale is within both the Slide Creek and the Granite NSO circles.

## **Marys River Basin**

### **Primary Sales**

Tower of Power – This proposed sale consists of one 54 net acre modified clearcut. The timber types include a 75 year-old mixed alder and Douglas-fir stand and a 79 year-old Douglas-fir stand with scattered hardwood. The current condition is UDS and the DFC is GEN.

Bark Bite – This proposed sale consists of one unit, a 98 net acre modified clearcut. The timber type ranges from a 47 - 86 year-old DF stands with hardwoods. The current condition is UDS and the DFC is GEN.

Shroyer Summit – This proposed sale consists of one 94 net acre modified clearcut. The timber type is predominately 77 year old Douglas-fir with patches of hardwood. Most of the sale area was commercially thinned in 2004. The current condition is mostly UDS with some (2 acres) LYR and the DFC is GEN.

### **Alternate Sales**

There are no alternate harvest operations planned in this basin for FY 2015.

### **Siletz River Basin**

#### **Primary Sales**

Cedar Beaver – This 59 net acre proposed modified clearcut is comprised of one area, the majority of which is 78 year-old Douglas-fir with scattered hardwood. This portion of the proposed sale was commercially thinned in 2001 and the current condition is UDS. Approximately 10 acres of the sale area is, according to SLI imputation, 153 year-old DF with a current condition of LYR. The DFC is GEN. This sale is within the Rock Creek Aquatic Anchor. Increased protection measures along all Type F and small perennial Type N streams will be implemented.

#### **Alternate Sales**

Little Rock – This proposed sale consists of one modified clearcut unit totaling 27 net acres. The timber types are 73-78 year-old mixed conifer with hardwood patches. The current condition is UDS and the DFC is GEN. The western portion of the sale is in this basin and within the Rock Creek Aquatic Anchor. The Eastern portion is in the Upper Yaquina River basin and within the Upper Yaquina Aquatic Anchor – Amphibian Emphasis. Increased protection measures along small perennial Type N streams will be implemented.

Thin Woman – This proposed sale consists of three partial cut units totaling 145 net acres. These areas consist of 25-28 year old Douglas-fir plantations. The current condition of these Areas is CSC and the DFC is GEN. Areas 1 and 2 are within the Rock Creek Aquatic Anchor. Increased protection measures along all Type F and small perennial Type N streams will be implemented.

### **Upper Yaquina River Basin**

#### **Primary Sales**

Big LYR – This proposed sale consists of one, 70 net acre modified clearcut. The timber types are 73-78 year-old Douglas-fir with scattered hardwood and a 74 year-old hardwood Douglas-fir mixed stand. The majority of the DF stands were commercially thinned in 1998, a small portion was thinned in 2010. The current condition is UDS and the DFC is GEN. This sale is within the Upper Yaquina – Amphibian Emphasis Aquatic Anchor. Increased protection measures along small perennial Type N streams will be implemented.

#### **Alternate Sales**

Little Rock – This proposed sale consists of one modified clearcut unit totaling 27 net acres. The timber type ranges from a 73-78 year-old mixed conifer with hardwood stands. The current condition is UDS and the DFC is GEN. The eastern portion of the sale is in this basin

and within the Upper Yaquina Aquatic Anchor – Amphibian Emphasis. Increased protection measures along small perennial Type N streams will be implemented. The western portion is in the Upper Yaquina River basin and within the Rock Creek Aquatic Anchor. Increased protection measures along all Type F and small perennial Type N streams will be implemented.

## Forest Roads Management

The primary transportation focus is to protect and secure access for forest management activities. This involves constructing new roads where needed, vacating old roads that no longer meet current standards, and maintaining or upgrading existing roads. Other resource management activities and other users are also considered in the transportation planning. The approximately 350 mile transportation system provides access for timber removal, recreation, fire control and removal of other forest products.

Visions, guiding principles, and techniques that are the framework of the District's road management program are discussed in detail in the IP and the Forest Roads Manual (2000), and govern the planning and implementation of the activities discussed in this section. Planning of these activities are Level III plans, as discussed in the Forest Road Manual.

As listed in the Forest Roads Summary Table B-3, it is estimated that 0.7 miles of new road construction and 1.1 miles of road improvement will be included with the FY 2015 operations plan. These roads will provide improved access for hauling forest products from the operation areas.

The District has conducted a detailed inventory of the District's road system, collecting information on road surfacing, condition, drainage, and stream crossings. This inventory was completed in conjunction with the Oregon Salmon Plan. This inventory will continue to be updated as staff time permits. For the FY 2015 operations plan, existing roads and drainage systems on designated haul routes of timber sales have been evaluated to determine high priority road or drainage structure maintenance, abandonment, replacement, or improvement projects.

All road maintenance and improvement will be confined to the haul routes. There will be no road vacating. The District has balanced wet weather and dry weather hauling by using existing rocked roads, improving existing dirt roads to a surfaced condition and surfacing some new construction. Drainage structures that are in need of replacement, and are on the haul routes, will be replaced with the timber sale that will use that haul route. No fish stream crossing structures are planned. Activities under this Plan will add approximately 0.7 miles of road to the District's active road system.

Road maintenance will consist of re-shaping roads with a road grader, and applying spot rock where needed. Replacement of wear rock due to hauling will be applied post harvest. Road improvement will consist of re-opening existing unsurfaced roads and applying a lift of

rock for winter harvest operations. Drainage structure maintenance will be cleaning culvert inlets and outlets.

District activities to control noxious weeds consist primarily of controlling Scotch broom (and other brooms) in and around plantations. Most of these infestations start along roads and spread from there. Other species, which are occasionally targeted for control, include knotweed, false brome and Himalayan blackberry. Approximately 10 miles of Noxious weed control is planned during this fiscal year and will be accomplished using District personnel and equipment. Much of this is spot treatment. All logging equipment will be washed before entering and leaving STATE lands to control the spread of noxious weeds.

## **Road Construction**

Since the mainline roads are already in place on the district, these new roads will be short, low use, single lane spur roads averaging 14 feet wide. Approximately 87% of the roads to be improved will be rocked with base rock, providing an all season surface for harvest operations only. Natural surfacing will be the final condition for the remaining improved roads. The natural surface roads will be waterbarred, and blocked to restrict public vehicle access after harvest and/or prior to the beginning of the wet season. Restricting access to natural surface roads will control soil erosion and ensure that the drainage systems remain intact.

All roads to be constructed will be built on gentle, stable topography, to minimize slope stability concerns, soil erosion, and downstream water quality issues. However, if it is determined during timber sale layout that a new road must be constructed through steeper terrain, the staff engineer and area geo-technical specialist may be contacted and requested to conduct an onsite inspection and provide input related to mitigating any negative effects of road construction.

All road construction is classified as surfaced or unsurfaced spurs. All newly constructed roads will be built on side slopes less than 50% or on ridge tops, requiring no end-haul. All excavated material will be used in the constructed road prism.

All road construction projects are directly associated with this year's sale plan.

## **Road Improvement**

All road improvement projects are associated with commercial forest management operations and consist of re-opening existing unsurfaced spurs and landings. All of the improvement activities will be performed on low use spur roads and will be accomplished using a dozer or road grader. There are no drainage structure issues associated with any spur improvement.

## **Road Access Management**

All surfaced and newly constructed or improved unsurfaced roads are categorized as active use roads. The unsurfaced roads will be blocked and water barred in the wet season. After the wet season, these roads may be re-opened and harvest activities may resume. Once harvesting is completed, these roads will be blocked, water barred, and damaged culverts removed until the next harvest entry. Road surfaces may be grass seeded to reduce erosion and protect water quality.

All haul routes which access the FY2015 timber sales are surfaced, all weather roads and are generally accessible by the public. There are exceptions where these roads access private timber lands and are gated. Unsurfaced roads that originate from non-gated public access roads will be blocked in wet weather to prevent the public from gaining access. t All roads accessing the FY2015 timber sales have easements.

## **Road Maintenance**

District roads that are not under timber sale contracts are maintained by a service contract. District personnel and equipment are utilized to control roadside brush and spread grass seed along dirt road where needed. All maintenance required for timber sales will be limited to haul routes only. Graded haul routes will have the ditches and culvert catch basins cleaned where needed. Where significant, slough material will be removed from ditch lines or road surfaces and placed in stable waste areas.

Road maintenance for roads being used for timber sale access becomes the responsibility of the timber sale purchaser once sale activity has begun.

Roadside vegetation control, utilizing District personnel and equipment, will be conducted along roads with encroaching vegetation. The objective is to reduce vegetation along "right-of-ways" for improved maintenance and visibility.

## **Land Surveying**

Approximately 0.75 miles of property line previously surveyed will need to be reflagged. Approximately 4 miles of property line will need to be surveyed and established. There are 13 property corners which will need to be located and their associated bearing trees painted. This survey work will be accomplished with District personnel and equipment and/or through professional contracts.

## Young Stand Management

The purpose of conducting young stand management operations is to prepare for, establish, or maintain a new forest, or new forest layer, through operations such as site preparation,

tree planting and protection, vegetation management, pre-commercial thinning, and pruning. Another operation often associated with, but not limited to, young stand management is invasive species control. Through the use of these operations many of the silvicultural goals and objectives of the FMP and IP are met.

Specific information regarding operations can be found in Table B-4, and in the discussion, below.

Due to current budget limitations, most young stand management activities are limited to those essential to forest establishment. Accordingly, these activities are readily supported within the base budget. Alternatively, other management operations such as stocking density control (Pre-commercial Thinning), and low priority vegetation management (release), may not be fully funded.

## **Site Preparation**

The purpose of site preparation is to prepare areas for replanting after harvest operations or rehabilitation activities by removing or controlling the vegetative or slash cover. This allows seedlings to become established while reducing the competition with other vegetation for moisture, sunlight, and nutrients. Both chemical and mechanical (slash piling and burning) site preparation may be used on the same acreage. During this operations plan period, one or more site preparation activity will be conducted on approximately 300 acres. This work includes mechanical brush and slash piling, pile burning, and chemical site preparation. Site preparation activities will be conducted in the following basins:

Big Elk Creek Basin – Two areas totaling 60 acres will receive a chemical site prep treatment. A portion of these same harvest areas will be piled in FY 2014 and pile burned in FY 2015. Approximately 30 acres of a previously planted harvest area will receive site prep chemical treatment to allow replanting of the site.

Luckiamute River Basin – There are no site preparation activities planned in this basin in the 2015 FY.

Marys River Basin – One 30 acre harvest unit will have a chemical site preparation application, and possibly a broadcast burn.

Siletz Basin – There is one 64 acre unit that will have chemical site prep. A small portion of this same unit will have pile burning activity. Two units totaling 70 acres will likely be machine piled in FY 2014, but these piles will be burned during FY 2015.

Upper Yaquina River Basin – One 48 acre harvest area will have mechanical slash piling and the piles burned during this FY.

## **Planting**

Tree planting operations are conducted for various reasons. These include meeting Forest Practices Laws, quickly establishing a new stand of trees after timber harvesting, and increasing species diversity in the area and across the landscape. Some planting (underplanting) is intended to create an additional tree layer in a partial cut stand for increased structure and diversity. Planting will also ensure future opportunities and options for the management of stands to produce desired structures across the landscape. The IP indicates that annual reforestation acreage will be between 200 and 400 acres. About 285 acres is scheduled to be planted (initial planting, underplanting and interplanting) during FY 2015.

### **Initial Planting:**

This type of planting is conducted after a timber harvest reduces the stocking level to a degree that more trees are required on the site. Approximately 154 acres will have initial planting. Seedlings will be planted at a rate of 435 trees per acre (TPA). Initial planting will occur in the following basins:

Big Elk Creek Basin – Two clearcut harvest areas (60 acres total) will be planted. Both will be planted to Douglas-fir (75%), western hemlock and western redcedar (20%) and Sitka spruce (5%).

Luckiamute River Basin – No planting will occur in this Basin during FY 2015.

Marys River Basin – One clearcut harvest area (30 acres) will be planted to Douglas-fir (75%), western hemlock (6%) and western redcedar (19%).

Siletz River Basin – One clearcut harvest (64 acres) will be planted to Douglas-fir (75%), western hemlock and western redcedar (24%) and Sitka spruce (1%).

Upper Yaquina River Basin – No planting will occur in this Basin during FY 2015.

### **Underplanting:**

This type of planting is conducted after thinning in order to introduce both species diversity and an additional future layer of structure into a stand. No underplanting will occur during FY 2015.

### **Interplanting:**

This type of planting will occur on areas that were initially planted one to three years ago, but for various reasons (animal damage, disease, seedling/planting quality, etc) seedlings did not survive in sufficient numbers. Approximately 30 acres of a unit in the Big Elk Creek Basin is planned for interplant and an estimated additional 20 acres of interplant may be

needed. Individual areas usually vary in size from one to twenty acres. A variety of tree species will be planted, depending on the site conditions and availability of stock.

## **Vegetation Management**

Release operations are conducted in established plantations to control undesirable vegetation that competes for moisture, sunlight, and nutrients. The objective is to retain preferred trees in the stand and maintain acceptable growth rates of the established stands. Vegetation management operations are also used to eradicate noxious weeds which may not actually threaten seedlings but which have the potential to spread and displace desirable vegetation. Vegetation management methods are either manual or chemical.

### **Manual Release:**

Areas of manual release are typically small areas in young plantations that are either too close to streams or private property to treat with chemicals or where target vegetation is too large to be effectively treated with chemicals. This type of release will keep preferred trees from being overtopped by competing vegetation. About 200 acres of manual release is forecast to be needed. This work will be accomplished by inmate crews. The work could occur in any of the management basins.

### **Chemical Release:**

These operations vary from aerial applications targeting multiple weed species growing over entire young plantations to ground based backpack applications targeting individual undesirable plants. Approximately 336 acres of both ground-based and aerial chemical vegetation management is forecast for this period. Units are likely to be located in all of the district management basins.

## **Noxious Weeds**

Sites will be evaluated for treatment as they are identified. Roughly 20 acres of chemical and manual vegetation treatment targeting noxious weeds is forecast for FY 2015. This acreage does not include roadside management. These operations are typically on small acreage and will target such noxious weeds as Scotch broom, false brome, and spotted knapweed. The treatment areas will be scattered through most all of our management basins.

## **Tree Protection**

Tree protection operations are conducted to reduce, control, or mitigate animal damage on desired trees in the stands. These operations are intended to maintain stocking and growth rates at acceptable levels. The District uses three methods to provide protection

to trees: installing tubes over seedlings, applying a big game repellent to the seedling, or trapping animals (mountain beaver).

### **Tubing:**

On this District, tubing has proven effective in most cases in keeping animal browse on cedar to an acceptable level. Tubes will be installed on all of the western redcedar planted during this period. The work will be done by a contract crew. Western redcedar will be planted on portions of all of the areas designated for initial planting during this period.

### **Big Game Repellent (BGR):**

BGR (Plantskydd) has been applied from time to time on western redcedar in the past and more recently to western hemlock and Douglas-fir on a trial basis. It appears to have helped prevent near total removal of western hemlock by big game species in problem areas. Plantskydd will not be applied during FY 2015 due to budget constraints.

### **Direct Control:**

Mountain beaver trapping will likely occur on all of the units that are planned for planting during this period (approximately 204 acres). Assessments will be made after the units are harvested as to the need for control work. Maintenance trapping will also occur in portions of units that were trapped previously that show continued high levels of mountain beaver damage (approximately another 50 acres). During FY 2015, this work will be done by the Mill Creek inmate crew.

## **Pre-commercial Thinning**

Pre-commercial thinning (PCT) operations are conducted on stands that are above a desired stocking level. The operations generally have several objectives including the following: 1) reduce stocking to levels which will maintain diameter growth, and to a lesser extent height growth; 2) provide an opportunity for selecting residual trees based on initial growth, form, and defect, and 3) favor particular species that are needed to improve stand composition and diversity. The IP states that annual PCT acreage will be between 200 and 800 acres. Approximately 977 acres of plantations or patchcuts would benefit from PCT during the FY 2015 AOP period. These are stands that are currently stocked with 400 or more trees/acre. In order for these stands to become financially viable commercial thinning within 10-15 years, they will need to be thinned. However, due to budget constraints, it is unlikely that PCT will be conducted. The District has been able to accomplish some of the PCT back-log in the recent past by utilizing grant funds (ARRA).

The plantations needing PCT, listed below, range from 13 to 16 years old and are stocked with an average of 400 TPA of Douglas-fir and other conifer. PCT would increase the health and vigor of the stands by removing an average of 150 TPA of the smallest and/or most defective Douglas-fir trees. Most conifers other than Douglas-fir and most hardwoods would be reserved from cutting, thus maintaining the present diversity.

Big Elk Creek Basin – Approximately 255 acres in seven plantations.

Luckiamute River Basin – Approximately 134 acres in two plantations.

Marys River Basin – Approximately 73 acres in one plantation.

Siletz River Basin – Approximately 227 acres in three plantations.

Upper Yaquina River Basin – Approximately 288 acres in six plantations.

## **Fertilization**

No fertilization activities will occur during FY 2015.

## **Pruning**

The purpose of pruning is to remove limbs in order to create future high quality clear wood, or to reduce the potential for disease. The IP states that annual pruning acreage may vary between 0 and 50 acres.

### **Pruning for Clear Wood:**

No new pruning for clear wood will be initiated during this period.

### **Pruning for White Pine Blister Rust:**

Approximately 30 acres of white pine pruning may occur during this fiscal year. Any work conducted will be done by inmate crews.

## Recreation Management

Current recreational activities on the District consist mostly of dispersed camping, sightseeing, hiking, hunting, and fishing. However, there are three sites that do receive some level of consistent visitor use during certain periods of the year. They are:

1. Big Elk Creek. This area has two primitive campsites along Big Elk Creek that have all weather access. These campsites are consistently used during summer weekends and through much of the hunting seasons.
2. Baber Meadows. The Mt. Baber ATV Club uses Baber Meadows as an ATV staging/riding area. This staging area provides access to a 32.6 mile trail loop on ODF and private land. The club schedules some organized riding events but riders use the

trail system at other times of the year, as well. The other staging area at Salmon Creek provides closer access to the Mt. Baber trail system for those riders coming from the Willamette Valley.

3. **Black Rock.** A mountain bike club, the “Black Rock Mountain Bike Association” has created and maintains about 9.5 miles of trails in the eastern portion of ODF ownership at Black Rock. The club schedules some organized riding events but riders use the trail system at all times of the year, as well.

Recreation planning and management are covered in the 2012 IP in detail. Current economic and funding constraints do not allow for development of additional recreation infrastructure. However, long term vision and goals (given improved economic conditions) are outlined in the IP.

### **Facilities (Campgrounds, View Points, Trail Heads, etc.)**

The facilities at Baber Meadows include a restroom, an informational kiosk, an adjacent kid’s track, all weather access roads to camping and staging areas, nine surfaced trailer sites with picnic tables and fire rings, and two primitive camp sites. There is also a newly constructed overflow parking area to the west of the meadows. The facilities at the Salmon Creek Staging Area consist of a surfaced parking lot and an informational kiosk.

Facilities at Black Rock include a small parking area and an informational kiosk.

### **Trails**

The 32.6 mile ATV trail loop on ODF and private forest land will be maintained throughout the year by the Mt. Baber ATV club members. About 4.2 miles of trail system is on State land.

The 9.5 mile mountain bike trail system in the Black Rock area will be maintained throughout the year by the Black Rock Mountain Bike Association.

### **Management Activities**

The Mt. Baber ATV club generally hold a number of organized riding events during the fiscal year. Riders use the staging areas and trails throughout the year unless restrictions are in place that would temporarily curtail activities (i.e. fire season restrictions, active timber sales, etc.).

The Black Rock Mountain Bike Association may have some organized riding events along with scheduled “work party” events. The trail system is used continuously throughout the year.

## Land Exchange

There are currently no land exchanges planned, however assessment and evaluation of other potential land exchanges will be on going throughout the year. The district's "Land Acquisition and Exchange Plan" was updated in FY 2013.

## Other Integrated Forest Management Operations

### **Aquatic and Riparian Resources**

Stream restoration is a Forest Management Plan aquatic and riparian strategy for maintaining and improving aquatic functions. Within the West Oregon District Implementation plan, in the Aquatic Resources section, it is stated as a goal that the district will implement restoration projects to improve aquatic habitat, riparian function, and water quality where appropriate and feasible. Another goal in the IP is to implement 0-2 opportunistic projects per year if resources and partners are available. To work towards this goal in this AOP, there are two potential stream restoration projects being considered for the primary timber sales. One restoration project is wood placement along a portion of Marys River. This project will be planned with the Shroyer Summit timber sale. The other is another wood placement project along Bark Creek and planned with the Bark Bite timber sale. The District will provide logs and appraise for operator time for log placement in each selected streams to improve juvenile fish habitat. An ODF&W fish biologist will design and administer these projects.

### **Minor Forest Products**

#### **District Firewood Cutting Program**

West Oregon District typically issues between 50 and 90 personal use firewood cutting permits each fiscal year, producing an estimated revenue of \$1,000 to \$1,800. In addition, the District issues between 5 to 10 commercial firewood permits with an estimated revenue of \$500 to \$1,000. This represents a significant workload, in the fall through spring months, for the forester in charge of permits. No personal use firewood permits are issued during closed fire season.

#### Purpose:

The primary objective of the District Firewood Cutting Program is to provide a source of firewood from State Forests to the public for personal use and secondarily to reduce fuel hazards, improve visibility along roads, and provide a recreational opportunity. The District's Firewood Cutting Program is tied to the completion of timber sales. Timber

sale contracts require any non-merchantable wood or cull material that has been yarded to the landing and is suitable for firewood to be placed in a pile.

State Forests are managed for multiple benefits, and snags, downed wood and stumps are important habitat components under our Forest Management Plan. Permittees should follow the permit instructions, review the permit and district maps, and consult with ODF personnel to ensure they remain on State Forests land. Property lines are frequently unmarked and ODF firewood permits are only valid on State Forests land. Harvesting firewood without the landowner's permission is trespass.

Firewood is a high-risk vector for wood-boring insects, such as emerald ash borer and Asian longhorned beetle, two species responsible for widespread defoliation of forests in Midwest and Eastern states. The Oregon Invasive Weed Council and ODF encourage people to obtain their firewood in a place as close as possible to the place where it will be burned. Recreationists have a role in protecting the forests by not moving firewood great distances.

Permit Fee:

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

When:

By phoning the Philomath office, the public may have their names put on a permit list opened each year on September 1<sup>st</sup> and again on March 1<sup>st</sup>. Persons will be notified, in order, when permits become available. Occasionally, if there is no wood forecast to be available during one of these periods, the district may opt not to maintain a list until the next period. Permits will be issued for a 2 week period, during the months outside of fire season. Fire season is generally from July 1<sup>st</sup> through October 15<sup>th</sup>, but actual dates can vary dramatically from year to year..

Who:

A limited number of personal firewood cutting permits will be issued to the public, on a first on the permit list-first served basis, with a limit of 2 permits per individual or household within a 12 month period. The permit cannot be used to sell firewood to another party. Firewood cutting permits will be sold and administered to public employees under the same processes used by the public. Oregon Department of Forestry does not guarantee the quality or availability of wood when issuing firewood cutting permits, as such, permit fees will not be refunded. Exceptions to the two cord limit may be made for non-profit organizations, with prior district authorization.

Where:

Designated firewood cutting areas will be marked on the permit map, which excludes active and sold timber sales, recreation sites, and planned operations. There is no guarantee that units or travel routes will be posted in the field.

### How:

Collected permit fees will be used to help reimburse administration of the firewood cutting program. Enforcement of firewood cutting permits will be accomplished by contracted law enforcement officers and following the Firewood Cutting Guidance described in 12.2.G1.2.2. Additional firewood cutting permit requirements and guidelines are provided with the permit.

### Commercial Firewood Permits:

In areas behind locked gates or on unsurfaced road systems only open during dry weather, a limited number of commercial permits may be offered. The district maintains an on-going list of interested parties. Permits are sold for \$100 and permittee is allowed up to 10 cords per permit. Permits are for a one-month time period. This wood may be sold by the permittee and therefore requires that the permittee fill out a Notification of Operations which is filed with the Oregon Department of Forestry and results in notification to the Department of Revenue. Permittee must fill out this notification regardless of whether they intend to sell the firewood or not.

### **Miscellaneous Forest Products**

The District typically issues between 30 and 50 miscellaneous forest product permits for salal, vinemaple, forest plants, chanterelle mushrooms and Oregon grape each fiscal year. Permits are sold for \$100 per permittee. The estimated revenue from these permits is \$6,000 to \$9,000 a year.

## Planning (and Information Systems)

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

There is approximately 22 stands which are planned for Stand Level Inventory in FY 2015.

Stocking surveys of two, six, and thirteen-fifteen year old plantations will continue. Approximately 1,800 acres are planned for surveying by district personnel.

### **Fish and Wildlife Surveys**

There are numerous streams identified for fish presence surveys within or adjacent to all operation areas. The ODF&W fish biologists will be contacted for their assistance in conducting fish presence surveys for those streams currently classified as unknown associated with the harvest operations. If they are not available to provide assistance then District personnel will work with ODF Aquatic Specialist in utilizing the physical characteristic survey protocol to determine stream classification.

Surveys for northern spotted owls will be conducted for six operations. Surveys for marbled murrelets will be conducted for seven operations.

Table 3. Summary of Surveys for Threatened and Endangered Species

<b>Operation</b>	<b>Species<sup>1</sup></b>	<b>Survey Years<sup>2</sup></b>	<b>Species<sup>1</sup></b>	<b>Survey Years<sup>2</sup></b>	<b>BA<sup>3</sup> Required</b>	<b>Special Considerations</b>
Tower of Power	<b>MM</b>	12&13	<b>NSO</b>	12&13	No	MM surveys valid until 4/1/19
Bark Bite	<b>MM</b>	11,12&13	<b>NSO</b>	12,13 & 14	No	MM surveys valid until 4/1/19
Big LYR	<b>MM</b>	13&14	<b>NSO</b>	13&14	No	MM surveys valid until 4/1/20
Shroyer Summit	<b>MM</b>	13&14	<b>NSO</b>	13&14	No	MM surveys valid until 4/1/20
Cedar Beaver	<b>MM</b>	13&14	<b>NSO</b>	13&14	No	MM surveys valid until 4/1/20
<b>Alt – Doe Over</b>	<b>MM</b>	13&14	<b>NSO</b>	13&14	No	MM surveys valid until 4/1/20
<b>Alt – Little Rock</b>	<b>MM</b>	12 & 13	<b>NSO</b>	12,13 & 14	Yes	Harvest operation in Non-habitat buffer of expanded MMMA
<b>Alt – Bonney Burgett Thin</b>	<b>MM</b>	13&14	<b>NSO</b>	Not required	No	
<b>Alt –Thin Women</b>	<b>MM</b>	13&14	<b>NSO</b>	Not required	Yes – MM Areas 1&3	
<b>Alt – Wildwood Thin</b>	<b>MM</b>	13&14	<b>NSO</b>	Not required	Yes – Granite NSO circle	

<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.

## Research and Monitoring

The following research and monitoring projects are on-going during this fiscal year, but it is not expected that any active measurements will be taken during the year. Any monitoring/measurement work will be done mainly by the cooperators:

1. Vegetation and wildlife response to gaps in young stands (Peuttman/OSU)
2. Growing stock study of thinned stands at Black Rock (McGuire/OSU)

3. Effects of sulfur applications on Swiss needle cast infected Douglas-fir (Kanaskie/OSU)
4. Effects of thinning in Swiss needle cast infected Douglas-fir stands (Mainwaring/OSU)

## **Other Planning Operations**

During FY 2015, the District will be involved in the following planning activities:

1. FY 2015 AOP - This plan will cover all management operations on State Forest lands on the District for FY 2015, which begins July 1, 2014 and ends June 30, 2015.
2. Collecting additional data to enhance road inventory information.

## Public Information and Education

### **Forestry Education**

The District maintains supporting information on the Implementation Plan, Forest Land Management Classification System, and Annual Operations Plans for public review. In addition, District personnel will attempt to participate in watershed council meetings, outdoor school presentations, ATV club meetings, and other public events as the opportunity arises and time permits. The District will continue to meet with concerned citizens or groups when they have questions or as needed. Participation in all of these activities will be driven by staffing and workload limitations.

## Administration

There are thirteen positions on the West Oregon District that are fully or partially funded for the management of State Forest lands. The District Forester, Assistant District Forester, administrative support staff, a Forest Officer and a seasonal forest management technician are partially funded. These positions are divided into two functional groups: Administration and State Forests (See Figure 1).

Administration is composed of the District Forester, Assistant District Forester, Office Manager and two Office Specialists. The District Forester and Assistant District Forester provide the following functions for the management of State Forest lands on the District:

policy direction; budgeting; coordination between units and programs; and oversight to the field units. The Office Specialists provide administrative support for the management of State Forest lands. They are responsible for initial public contact, distribution and filing of documents, and providing assistance at timber sale auctions. They are also responsible for assisting with permits for firewood cutting and special forest products harvesting.

The State Forests Unit consists of six fully funded positions and two partially funded positions. The unit is responsible for young stand management; timber sale preparation and administration; forest planning; geographic systems coordination; and road maintenance.

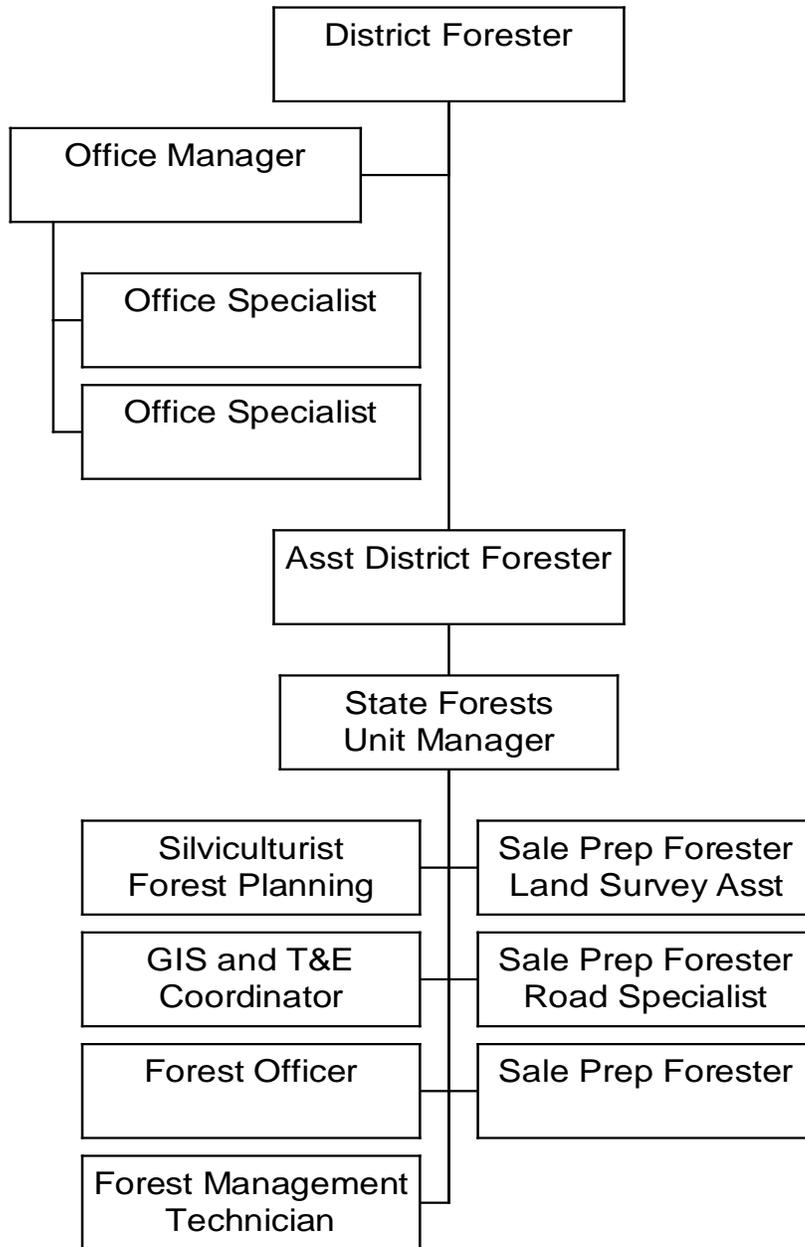
The State Forests Unit Supervisor (who is also a licensed land surveyor) coordinates all of the activities in the unit. The duties include employee supervision, reforestation oversight, contract review and approval, and timber sale planning, and establishing and maintaining the property lines of all state forest land on the District. The Unit Supervisor prepares the annual operations plans for the District's state forest lands and is active in implementation of the District's IP and Northwest Oregon State FMP. The Unit Supervisor is also responsible for all recreation management on state forest lands.

Young stand management is accomplished by the District Silviculturalist and two seasonal assistants. They are responsible for all activities conducted in forest plantations from the time harvesting is completed through reforestation and stand establishment. Their activities include site preparation, tree planting, vegetation management, pruning, tree improvement, and pre-commercial thinning. The District Silviculturalist is also responsible for providing input on timber sale planning and recommending pathways and prescriptions for all stands that will lead to achieving the District's desired future condition. In addition, this position is responsible for invasive species surveying, monitoring and treatment.

The timber sale preparation and administration is accomplished with a staff of four, three Sale Preparation Foresters, and a GIS coordinator. Their responsibilities include all aspects of timber harvesting, from unit layout through the completion of the harvest contract. The activities include unit layout, cruising, appraisal, contract preparation, and contract administration. They also ensure that current standards for retention of snags, green trees, and down wood are met and that riparian management strategies are correctly applied to the harvest units. They also assist with the layout and design of new roads. One Sale Preparation Forester is responsible for securing access to all state forest lands. One Sale Preparation Forester is responsible for managing the cutting of firewood and sale of miscellaneous forest products, such as salal and Oregon grape. The GIS Coordinator is also the Threatened and Endangered Species Coordinator.

The portion of road maintenance not associated with timber sale contracts is accomplished through a service contract and a Sale Prep Forester who possesses a Pesticide Applicator License for vegetation control along forest roads.

**West Oregon District  
State Forest Management Organization  
Figure 1**



All personnel involved with the management of state forest lands spend some portion of their time in public information and education, generally one to three days per year. The District Forester, Assistant District Forester, State Forests Unit Forester spend considerably more time on public information and education, because of their involvement with the Northwest Oregon State FMP.

---

# APPENDIXES

## A. Forest Land Management Classification changes with maps

See following pages.

## B. Summary Tables

- B-1 Timber Harvest Operations – Fiscal Summary
- B-2 Timber Harvest Operations – Forest Structure Summary
- B-3 Forest Roads Management Fiscal Summary
- B-4 Young Stand Management Fiscal Summary
- B-5 Recreation Management Fiscal Summary
- B-6 Harvest Operations – Forest Resource Summary

## C. Maps

Vicinity Map (showing all Commercial Operations) relative to the District ownership.

## D. Public and Other Agencies Involvement

See following pages.

## E. Pre-Operations Reports

Available upon request.



# 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.



---

Doug Decker  
State Forester

6.25.14

---

Date

## APPENDIX A

### Changes to Forest Land Management Classification

The Forest Land Management Classification (FLMC) 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 FLMC places all state forest land within one of four land management classifications. The classifications are: 1 - General Stewardship, 2 – Focused Stewardship, 3 – Special Stewardship, 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.

This Appendix is an update to the West Oregon District FLMC. The updates meet the definition of a major modification. A major modification is defined as one that cumulatively exceeds 500 acres within one year. Major modifications require a 30 day public comment period which occurred between March 17 and May 2, 2014 in conjunction with the District's 2015 AOP comment period. In response to the public comment period the Division received eight letters/emails, approximately 1,700 form type emails, and fifteen comments generated through an on-line survey. Almost all of the comments were generally supportive of the implementation of the FLMC 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 proposed changes were approved by the State Forester.

The West Oregon District FLMC was last updated in July 2013. Since that time, the Board of Forestry approved changes to the FLMC Administrative Rule that renamed the Special Stewardship classification to Special Use Area as well as added a new classification called High Value Conservation Area. This FLMC update incorporates these new classifications and provides updated acres for each classification and subclass listed in the tables below.

Tables 2 and 3, originating in the District Implementation Plan have been updated to reflect these changes. As defined in OAR 629-035-0060, major modifications require State Forester approval. Updated FLMC maps are also included in this Appendix.

Table 2. West Oregon District Acres, by Stewardship Class and Fund\*

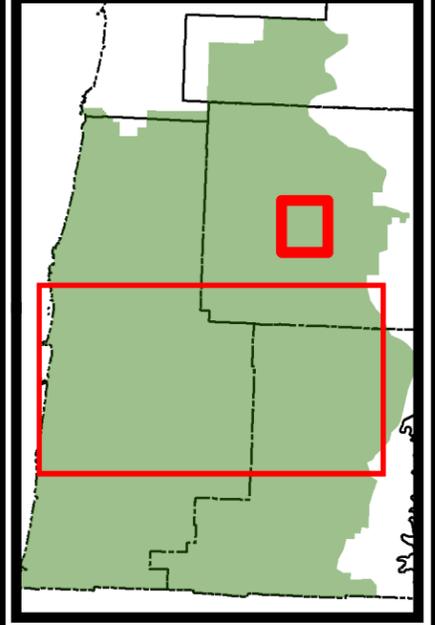
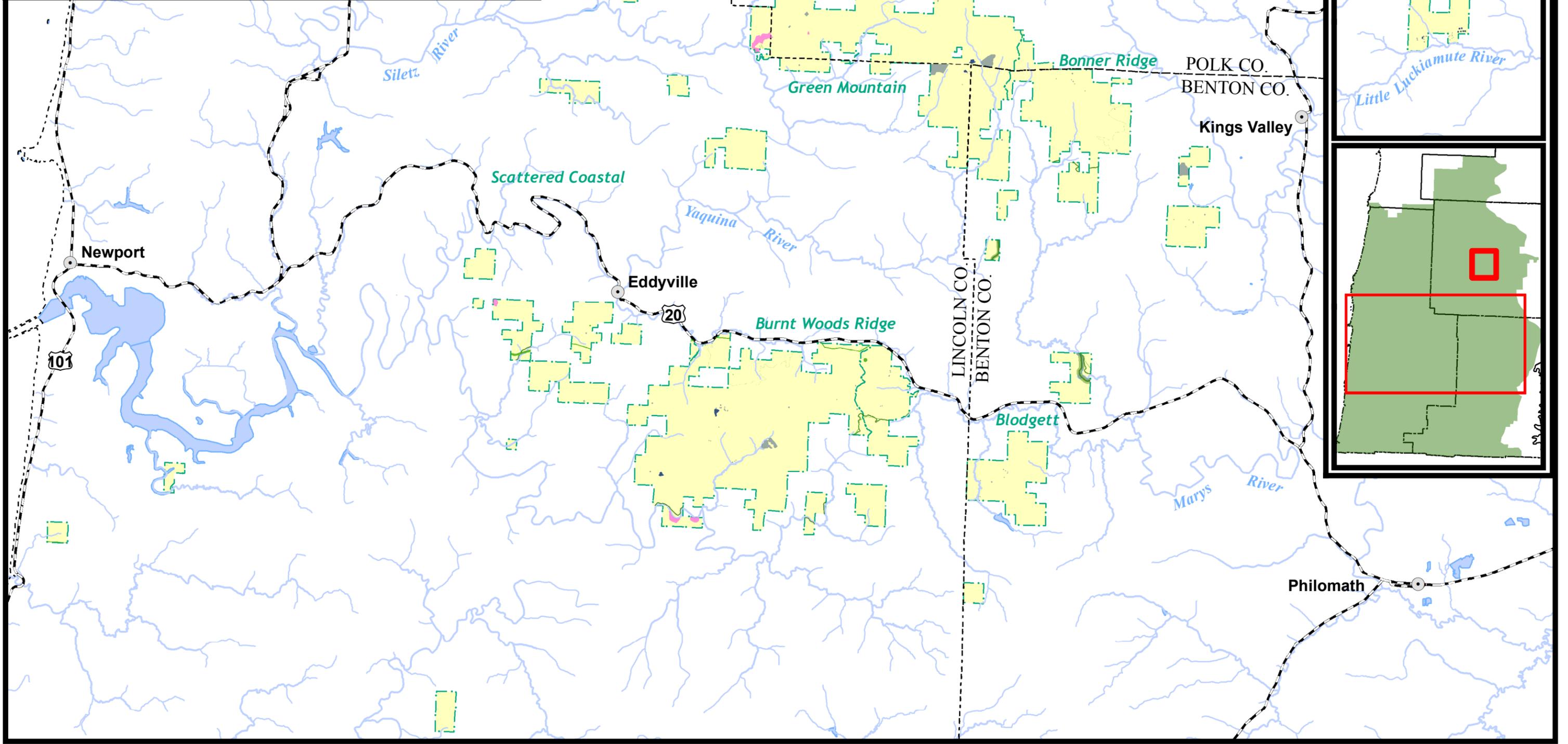
<b>Classification</b>	<b>BOF</b>	<b>CSL</b>	<b>Total Acres</b>
Focused Stewardship	21,831	5,187	27,018
Special Use	265	100	364
High Value Conservation Area	4,918	2,135	7,054
General Stewardship	11,776	2,637	14,413

Table 3. Forest Land Management Classification for West Oregon District – Focused and Special Subclasses (Acres)

	<b>Focused Stewardship</b>	<b>Special Use</b>	<b>High Value Conservation Area</b>
Administrative Sites	0	6	0
Agriculture, Grazing	0	0	0
Aquatic & Riparian	3,279	0	2,485
Cultural Resource	8	5	0
Domestic Water Use	31	0	0
Energy & Minerals	0	0	0
Easements	68	113	0
Operationally Limited	0	112	0
Plants	22	0	0
Recreation	275	6	0
Research/Monitoring	228	31	0
Transmission	22	73	0
Visual	2,697	19	0
Wildlife Habitat	20,391	0	4,570

\*Acres in Table 2 and Table 3 include overlapping classifications.

# West Oregon District Management Subclasses



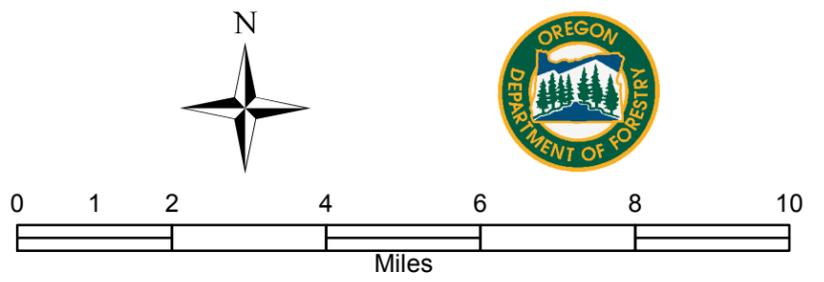
- Special Use**
- Administrative Sites
  - Easements
  - Research/Monitoring
  - Transmission
  - Operationally Limited

- Focused**
- Easements
  - Research/Monitoring
  - Transmission

Towns

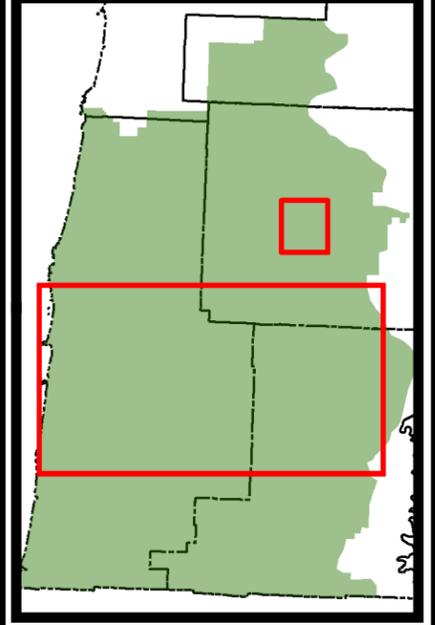
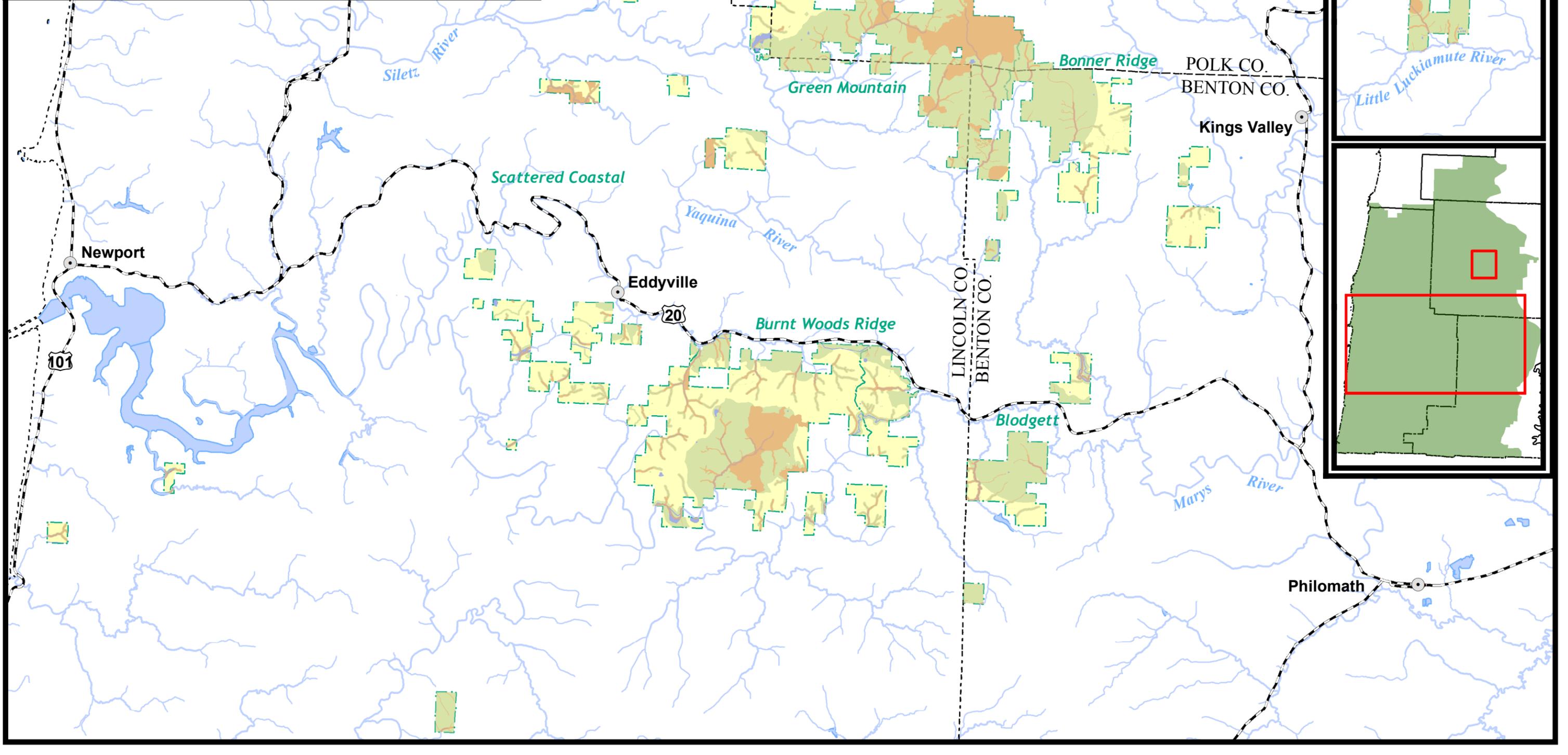
- Roads**
- Streams, Large
  - Streams, Medium

Management Basins



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

# West Oregon District Stewardship Classifications



## Stewardship Classifications

- High Value Conservation Area
- Special Use
- Focused
- Other

## Towns

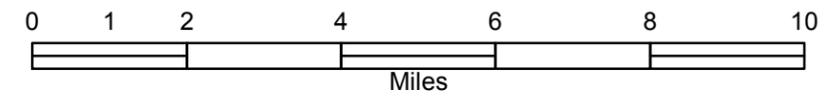
- 

## Roads

- Streams, Large
- Streams, Medium

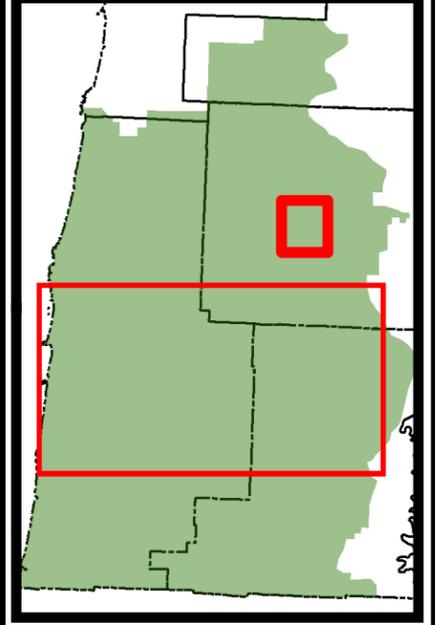
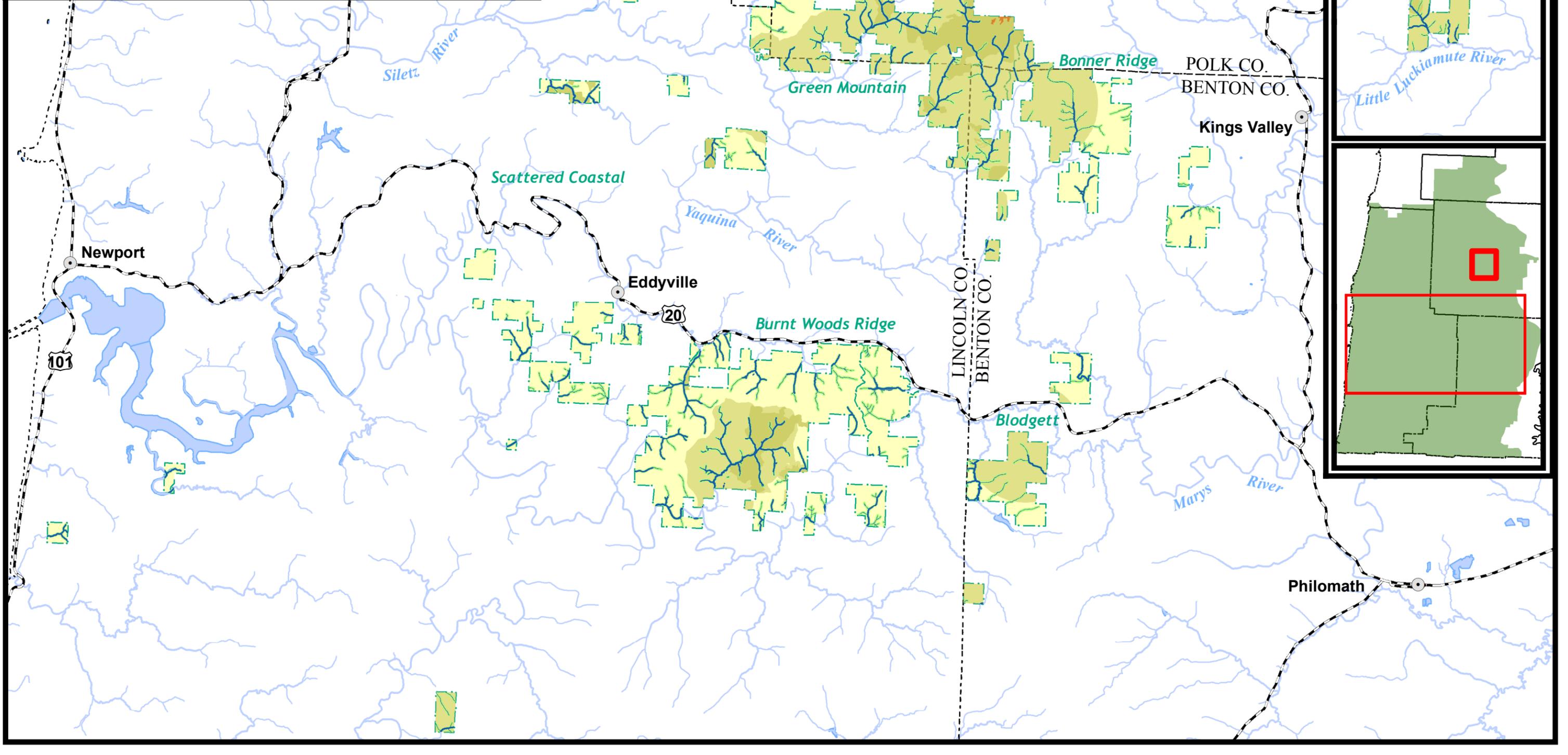
## Management Basins

- 



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

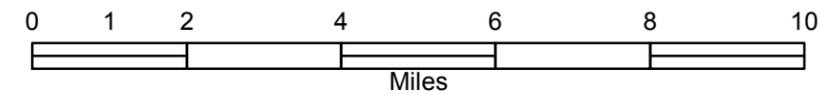
# West Oregon District Biological Subclasses



**High Value Conservation Areas**  
 Aquatic and Riparian Habitat  
 Wildlife Habitat

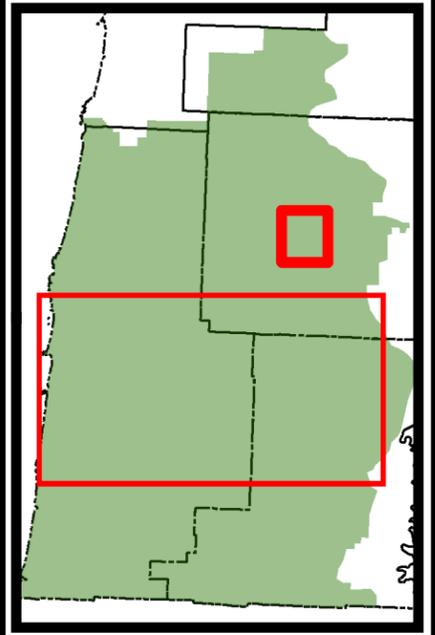
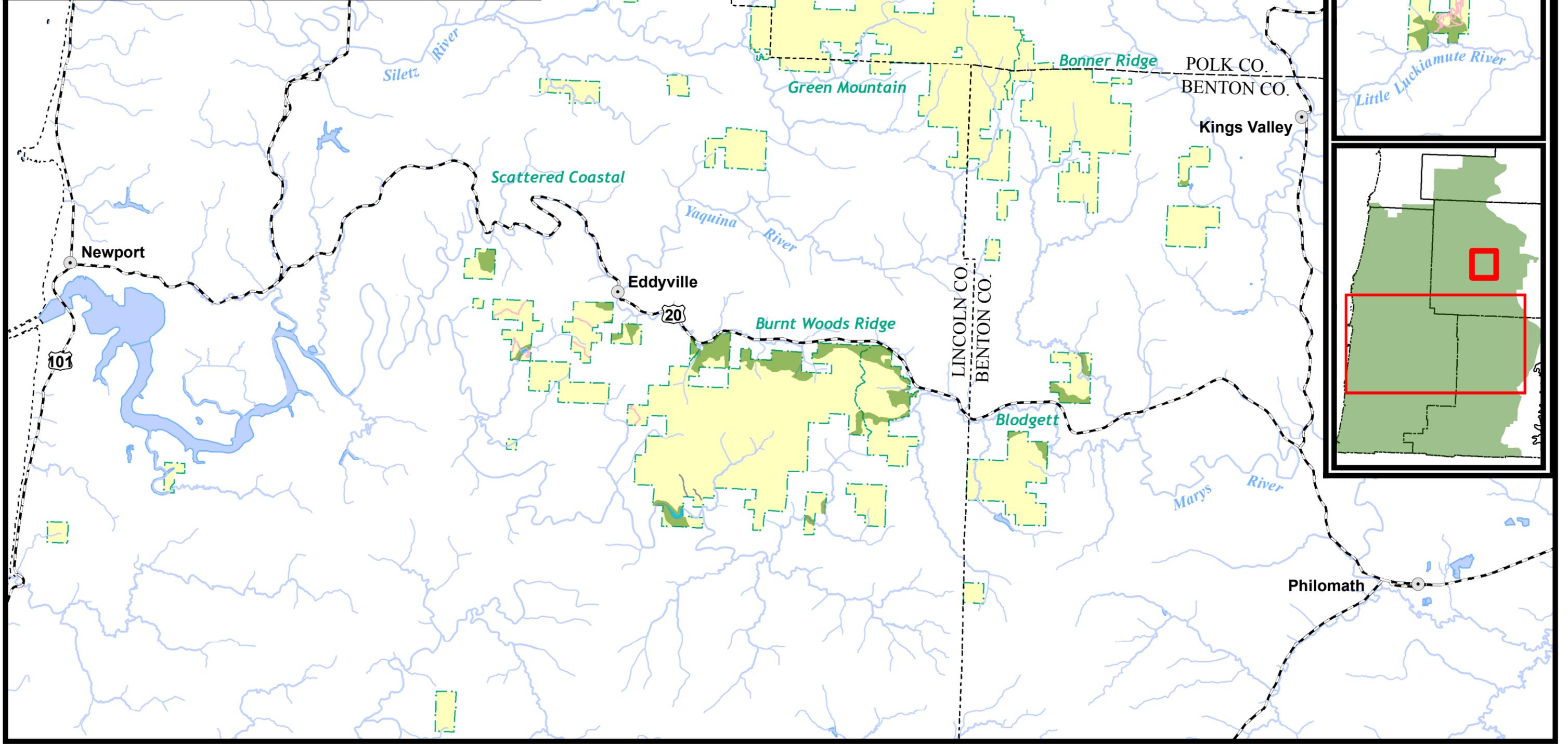
**Focused**  
 Plants  
 Aquatic and Riparian Habitat  
 Wildlife Habitat

Towns  
 Roads  
 Streams, Large  
 Streams, Medium  
 Management Basins

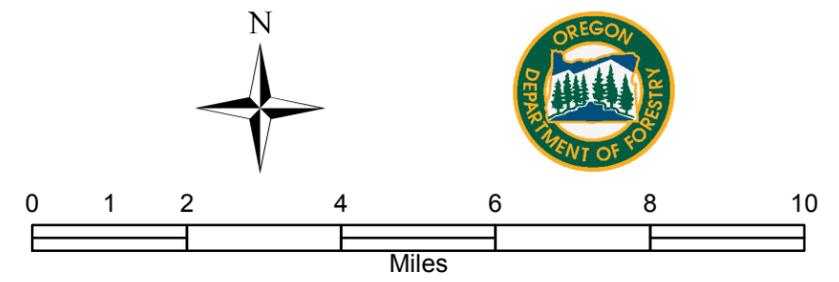


This product is for informational purposes, and may not be suitable for legal, engineering or surveying purposes. This information or data is provided with the understanding that conclusions drawn from such information are the responsibility of the user.

# West Oregon District Social Subclasses



- |                    |                    |              |                 |                          |
|--------------------|--------------------|--------------|-----------------|--------------------------|
| <b>Special Use</b> | <b>Focused</b>     | <b>Towns</b> | <b>Roads</b>    | <b>Management Basins</b> |
| Recreation         | Cultural Resources | Towns        | Roads           | Management Basins        |
| Visual             | Domestic Water Use |              | Streams, Large  |                          |
|                    | Visual             |              | Streams, Medium |                          |
|                    | Recreation         |              |                 |                          |



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

## TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: West Oregon

Fiscal Year: 2015

Date: 03/03/2014

Primary Operation	Fund %		County	Sale Quarter	Net Acres		Volume (MMBF)			Value		
	BOF	CSL			Partial Cut	Clear-cut	Conifer	Hardwoods	Total	Gross	Projects	Net
Tower of Power	46%	54%	Lincoln	2	0	54	1.6	0.4	2.0	\$642,600	\$43,000	\$599,600
Bark Bite	100%	0%	Benton	2	0	98	3.2	0.7	3.9	\$1,269,100	\$39,000	\$1,230,100
Big LYR	31%	69%	Linc & Ben	3	0	70	1.8	0.4	2.1	\$689,500	\$91,000	\$598,500
Shroyer Summit	100%	0%	Benton	4	0	94	3.2	0.4	3.6	\$1,193,800	\$68,000	\$1,125,800
Cedar Beaver	47%	53%	Polk	4	0	59	1.6	0.0	1.6	\$563,550	\$71,000	\$492,550
<b>Total:</b>					<b>0</b>	<b>375</b>	<b>11.4</b>	<b>1.9</b>	<b>13.2</b>	<b>\$4,358,550</b>	<b>\$312,000</b>	<b>\$4,046,550</b>

### Alternate Operations

Doe Over	20%	80%	Lincoln	Alt	0	60	2.2	0.2	2.5	\$825,000	\$104,000	\$721,000
Little Rock	100%	0%	Lincoln	Alt	0	27	0.9	0.2	1.2	\$373,950	\$37,000	\$336,950
Bonney Burgett Thin	100%	0%	Benton	Alt	100	0	0.6	0.0	0.6	\$77,880	\$37,000	\$40,880
Thin Women	54%	46%	Polk	Alt	145	0	0.8	0.0	0.8	\$94,140	\$21,000	\$73,140
Wildwood Thin	100%	0%	Benton	Alt	96	0	0.6	0.0	0.6	\$69,120	\$18,000	\$51,120

## PRIMARY HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

District: West Oregon

Fiscal Year: 2015

Date: 03/03/2014

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>	Landcape 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 MIMMA	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
Tower of Power	1							X								X	X		X	Genetic Parent Trees adjacent to harvest area
Bark Bite	1								X							X				Genetic Parent Trees adjacent to harvest area
Big LYR	1	X								X			X	X						
Shroyer Summit	1	X		X	X			X	X										X	Adjacent Railroad
Cedar Beaver	1		X	X	X	X			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 inconsultation 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 whether T&E fish are present in the basin.

## ALTERNATE HARVEST OPERATIONS - FOREST RESOURCE SUMMARY

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

Alternate Harvest Operations	Unit (Optional)	Forest Health Issues <sup>1</sup>	Invasive Species	LYR/OFS Structures <sup>2</sup>	Landcape 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 MIMMA	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	
Doe Over	1		X	X	X		X		X					X		X			X	Public Safety along Big Elk Co. Road	
Little Rock	1									X			X	X							
Bonney Burgett	1&2		X											X							Permanent plot & pruned trees
Thin Women	1,2,3		X				X			X			X	X			X				Sulfur Trial & pruned trees
Wildwood Thin	1	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 whether T&E fish are present in the basin.

## TIMBER HARVEST OPERATIONS - FOREST STRUCTURE SUMMARY

### Primary Operations

District: West Oregon

Fiscal Year 2015

Date: 03/03/2014

Current Structure	
	Total
REG	0
CSC	0
UDS	363
LYR	12
OFS	0
<b>Total</b>	<b>375</b>

Post Harvest Structure <sup>1</sup>				
REG	CSC	UDS	LYR	OFS
0	0	0	0	0
0	0	0	0	0
363	0	0	0	0
12	0	0	0	0
0	0	0	0	0
<b>375</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Desired Future Condition <sup>2</sup>		
GEN	LYR	OFS
0	0	0
0	0	0
363	0	0
12	0	0
0	0	0
<b>375</b>	<b>0</b>	<b>0</b>

1. Expected structure 5 - 10 years after FY 2013 operations are completed.

2. This table reflects the landscape design after the modifications described in the Forest Management Operations section have been approved.

### FOREST ROADS SUMMARY

District: West Oregon

Fiscal Year: 2015

Date: 03/03/14

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					
Tower of Power	0.11	\$1,000	0.18	\$21,000	\$21,000	\$43,000	\$642,600	7%	
Bark Bite	0.38	\$5,000	0.00	\$0	\$34,000	\$39,000	\$1,269,100	3%	
Big LYR	0.00	\$0	0.65	\$48,000	\$43,000	\$91,000	\$689,500	13%	
Shroyer Summit	0.00	\$0	0.00	\$0	\$68,000	\$68,000	\$1,193,800	6%	
Cedar Beaver	0.19	\$1,000	0.27	\$20,000	\$50,000	\$71,000	\$563,450	13%	
						\$0			
						\$0			
<b>Total</b>						<b>\$312,000</b>	<b>\$4,358,450</b>	<b>7%</b>	

#### Alternate Operations

Doe Over	0.00	\$0	1.93	\$53,000	\$51,000	\$104,000	\$825,000	12%	
Little Rock	0.36	\$2,000	0.36	\$27,000	\$8,000	\$37,000	\$373,950	13%	
Bonney Burgett Thin	0.00	\$0	0.91	\$22,000	\$15,000	\$37,000	\$77,880	47%	
Thin Women	0.00	\$0	0.00	\$0	\$21,000	\$21,000	\$94,140	22%	
Wildwood Thin	0.00	\$0	0.00	\$0	\$18,000	\$18,000	\$69,120	25%	

#### Road Projects Not Funded by Harvest Operations

Operation	Construction		Improvement		Other Projects	Total Project	Funding	Comments
	Miles	Cost	Miles	Cost				
N/A						\$0		
						\$0		
						\$0		
						\$0		
						\$0		

## REFORESTATION AND YOUNG STAND MANAGEMENT SUMMARY

District: West Oregon

Fiscal Year: 2015

Date: 02/08/2014

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*	74	\$295.00	\$21,830.00	80	\$295.00	\$23,600.00	154	\$45,430.00
Interplanting*	46	\$175.00	\$8,050.00	4	\$175.00	\$700.00	50	\$8,750.00
Underplanting*	0	\$200.00	\$0.00	0	\$200.00	\$0.00	0	\$0.00
Tree Protection-Barriers	74	\$65.00	\$4,810.00	80	\$65.00	\$5,200.00	154	\$10,010.00
Tree Protection-Direct Control	160	\$25.00	\$4,000.00	94	\$25.00	\$2,350.00	254	\$6,350.00
Site Prep-Chemical- Aerial	74	\$60.00	\$4,440.00	80	\$60.00	\$4,800.00	154	\$9,240.00
Site Prep-Chemical- Hand	30	\$275.00	\$8,250.00	0	\$250.00	\$0.00	30	\$8,250.00
Site Prep -Slash Burning	165	\$25.00	\$4,125.00	21	\$25.00	\$525.00	186	\$4,650.00
Site Prep -Mechanical	48	\$180.00	\$8,640.00	0	\$180.00	\$0.00	48	\$8,640.00
Fertilization	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Noxious weeds	16	\$75.00	\$1,200.00	4	\$75.00	\$300.00	20	\$1,500.00
Release-Chemical- Aerial	258	\$85.00	\$21,930.00	57	\$85.00	\$4,845.00	315	\$26,775.00
Release,-Chemical-Hand	21	\$225.00	\$4,725.00	0	\$225.00	\$0.00	21	\$4,725.00
Release-Mechanical-Hand	160	\$75.00	\$12,000.00	40	\$75.00	\$3,000.00	200	\$15,000.00
Precommercial Thinning	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Pruning (for disease control only)	24	\$200.00	\$4,800.00	6	\$200.00	\$1,200.00	30	\$6,000.00
Stocking Surveys	1,500	\$5.00	\$7,500.00	300	\$5.00	\$1,500.00	1,800	\$9,000.00
<b>Totals</b>	<b>2,650</b>	<b>--</b>	<b>\$116,300.00</b>	<b>766</b>	<b>--</b>	<b>\$48,020.00</b>	<b>3,416</b>	<b>\$164,320.00</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	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	
			\$0.00			\$0.00	0	\$0.00	

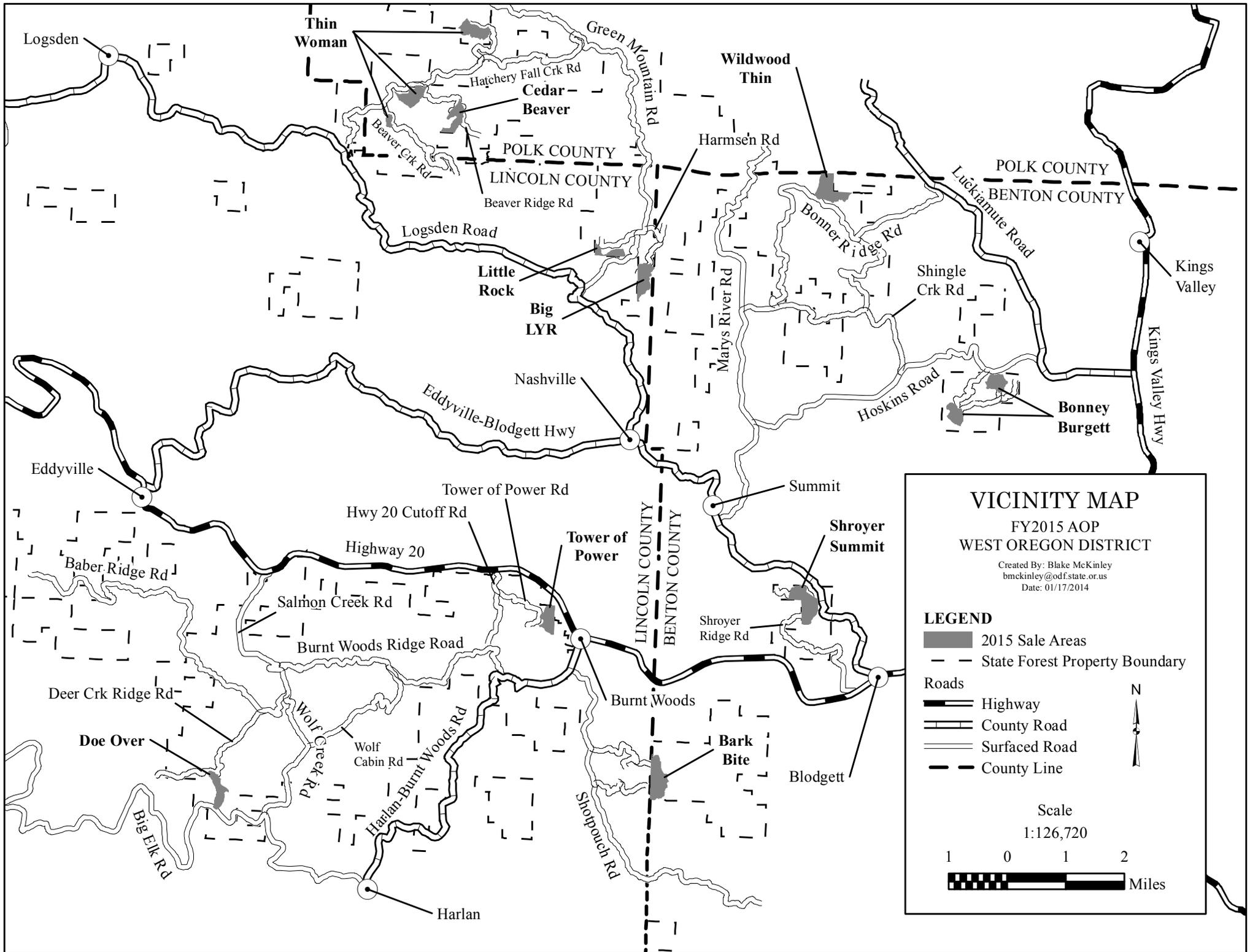
**RECREATION MANAGEMENT SUMMARY**

District: West Oregon

Fiscal Year: 2015

Date Filled Out: 03/03/2014

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>											
Baber Meadows								\$500		\$500	Maintained mostly by Mt Baber
										\$0	ATV Club. ODF pumps pit toilets.
										\$0	
										\$0	
										\$0	
<b>Designated Dispersed Campsites</b>											
Big Elk										\$0	
										\$0	
										\$0	
										\$0	
										\$0	
<b>Day Use Areas</b>											
Black Rock Stunt Area										\$0	Maintained entirely by Black
										\$0	Rock Mountain Bike Association
Black Rock Parking Area										\$0	Maintained entirely by Black
										\$0	Rock Mountain Bike Association
										\$0	
<b>Trailheads</b>											
None										\$0	
										\$0	
<b>Interpretive Sites</b>											
None										\$0	
										\$0	
<b>Trails</b>											
<b>Non-Motorized</b>											
Black Rock bike trails										\$0	Maintained entirely by Black
										\$0	Rock Mountain Bike Association
<b>Motorized</b>											
Mt. Baber ATV trails										\$0	Maintained entirely by
											Mt. Baber ATV Club
<b>Other Operations</b>											
Law Enforcement								\$8,000		\$8,000	Polk, Lincoln & Benton
											County Forest Patrols
Dumpsites Cleanup										\$0	
Special Projects								\$1,500		\$1,500	Emergency Repairs
										0	
										District Total	\$10,000
										Other Total	\$0
										<b>TOTAL</b>	<b>\$10,000</b>



**VICINITY MAP**  
 FY2015 AOP  
 WEST OREGON DISTRICT

Created By: Blake McKinley  
 bmckinley@odf.state.or.us  
 Date: 01/17/2014

**LEGEND**

- 2015 Sale Areas
- State Forest Property Boundary

Roads

- Highway
- County Road
- Surfaced Road
- County Line

N

Scale  
 1:126,720

1    0    1    2  
 Miles

## APPENDIX D

### CONSULTATION WITH OTHER AGENCIES FOR THE 2015 ANNUAL OPERATIONS PLAN

Representatives of the Oregon Department of Fish and Wildlife have reviewed the Pre-Operations reports and attended the District review meeting. Comments were made on several proposed sales and incorporated into the Pre-Operations reports prior to the public comment period.

This annual plan contains one operation which was reviewed by the United States Fish and Wildlife Service. This operation is the Wildwood Thin which is within the Granite Northern Spotted Owl circle. Their assessment is a low risk of negatively affecting spotted owls, therefore no changes were made to this plan.

Note: A complete list of all comments and the responses for other districts related to the FY15 AOP can be found on our web site:

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

## **APPENDIX E**

### **PUBLIC COMMENT PROCESS FOR THE 2015 ANNUAL OPERATIONS PLAN**

The Oregon Department of Forestry provided a formal 45 day public comment period for the 2014 Annual Operations Plans from March 17 to May 2, 2014.

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

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 AOP's, 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.

At the end of the public comment period, the West Oregon District did not receive any comments specific to the 2015 AOP.

The State Forest Advisory Committee (SFAC) reviewed the West Oregon District FY14 AOP and had no specific comments.

Note: A complete list of all comments and the responses for other districts related to the FY15 AOP can be found on our web site:

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