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WESTERN LANE DISTRICT

2009 ANNUAL OPERATIONS PLAN

INTRODUCTION

This operations plan covers all state-owned forest land managed by the Oregon Department of Forestry in Lane County.

The *NW Oregon State Forests Management Plan* calls for active forest management to produce a desired array of stand structure types across the landscape. In Lane County, long-range desired future condition targets are to eventually produce and maintain approximately 40 percent of the forest in complex layered and older forest structure stands that include large trees, a multi-layered canopy, diverse understory vegetation, snags, down wood, and other key habitat features.

The activities and projects described will be designed to achieve the goals, strategies, and objectives of the *NW Oregon State Forests Management Plan* and the *Western Lane District Implementation Plan*. This Annual Operations Plan is divided into five major categories: Integrated Forest Management, Planning Activities, Information Systems, Public Information and Education, Administration, and Appendices. A summary of the results of the public involvement process will be added to the final plan.

The management activities planned for FY 09 are based on the range of objectives established in the *Western Lane District Implementation Plan* (Table 1), as well as the assumption that budget allotments will be similar to 2008. Sale planning continues to be heavily affected by northern spotted owl and marbled murrelet habitat protection.

Harvest Levels: The district has included 6.7 MMBF of timber harvest in this Annual Operations Plan, slightly more than the 6.0 MMBF target in the 2009 harvest level guidance. This harvest level volume is consistent with the *Western Lane District Implementation Plan*.

The timber sales listed will be auctioned any time between July 2008 and the winter of 2009/2010. Harvest may not be completed until 2012. The other activities listed in the AOP are planned to be accomplished between now and June 30, 2009.

Table 1. Annual Operations Plan (AOP) objectives compared to annual objectives identified in the 2003 Western Lane District Implementation Plan (IP) Table A-1. IP objectives are gross acres and AOP objectives are net acres.

Silvicultural Activity	IP Annual Objective		2009 AOP Objective
	Low	High	
Conifer Partial Cut	0	500	0
Conifer Clearcut	0	280	203
Hardwood Partial Cut	0	0	0
Hardwood Clearcut	0	0	0
Rehabilitation	0	0	0
Reforestation (Initial Planting within Clearcuts)	0	350	290
Precommercial Thinning	0	300	0
Fertilization	0	2000	0
Pruning	0	0	0

INTEGRATED FOREST MANAGEMENT OPERATIONS

Timber Harvest Operations

Overview of Timber Harvest Operations

The following planned commercial forest management activities meet the requirements of the *Western Lane District Implementation Plan*. Tabular summaries and detailed pre-sale reports for each planned timber sale are attached.

This AOP has 100% clearcut and 0% thinning. The harvest prescriptions are within the District Implementation Plan annual ranges for clearcut and partial cut.

At the current rate of harvest, about 14% of the State forest in the district will have had harvest activity of some sort during the July 2001 thru June 2011 ten year Implementation Plan period.

Be aware that only limited reconnaissance has been conducted on the proposed FY 2009 sales and that boundaries, volumes, and prescriptions may be modified as field work progresses. Plus, winter storms may cause blowdown that will need to be salvaged in lieu of preparing some of the sales listed.

Table 2. Stand Structure Development – This table summarizes how the Timber Harvest Operations in this AOP will contribute to achieving the district’s desired future condition. All values are in net acres.

Stand Structure	REG	CSC	UDS	LYR	OFS	GEN ¹
Current	0	0	203	0	0	
Post Harvest ²	203	0	0	0	0	
Desired Future				0	0	203

Regeneration (REG) Closed Single Canopy (CSC) Understory (UDS) Layered (LYR)
Older Forest Structure (OFS) General (GEN)

1. General (GEN) is not a stand structure, but identifies those stands that are not targeted for Layered or Older Forest Structure in the district landscape design. These stands may develop into any of the five stand structures.
2. The Post Harvest stand structure is an estimate of how the stands will develop within five years after the operations are completed.

The 2009 AOP does not change the acreage of management activity on land mapped with a *desired future condition* (DFC) of Layered. Activity in LYR DFC since FY 2002 remains at 650 acres – about 25% of the acres operated on FY 2002 - FY 2009. 120 acres are being actively managed for OFS under the 2007 revised AOP, the only year operations occurred in an area with a DFC of Older Forest Structure. This amounts to about 4% of the acres operated on 2002-2009.

Summary of Operations by Basin

Table 3. Summary of Timber Harvest Operations in each basin. All values are in net acres. Values do not include R/W cut within partial cuts or outside harvest units.

Basin	2009 AOP		Cumulative Operations ¹ (FY 02—09)	
	Partial Cut	Clearcut	Partial Cut	Clearcut
Lane County	0	203	1444	1312

1. The Cumulative Operations include all Timber Harvest Operations, prepared and proposed, under the current implementation plan period (July 1, 2001 through June 30, 2011). Operations or units that were proposed, but have been subsequently dropped, are not included in the total.

Harvest in future GEN areas is as follows:

- Knapp Nose: This is a three unit clearcut sale with a typical Nelson Mountain Burn 70 year old Douglas-fir timber type. Only Douglas-fir and alder will be harvested, leaving the bigleaf maple and chinquapin, plus hemlock and cedar (if any). In addition to minor species and riparian associated leave trees, 2 or 3 Douglas-fir per acre will be left on the uplands. The sale area and the general area contains numerous snags and abundant down wood, which will be left after logging. No wildlife trees will be created at this time, and no merchantable logs will be intentionally left for down wood.

All units border Type F streams with wide, hardwood riparian zones. The hardwood will be left and additional conifer bordering these zones will be left.

2800 feet of rocked spur and about 200 feet of dirt spur must be constructed. Roads are on relatively gentle ground and little or no endhaul is anticipated. 4700 feet of road improvement is necessary. Improvement is minor and consists of cleaning ditches and culverts, smoothing the road and removing slumps, and adding patch rock. This "improvement" could also be classed as preoperations road maintenance.

- Wimble Pass: An 80 acre modified clearcut in 85 year old Douglas-fir which was partial cut in the 1970's. The ground is gentle, a half mile of easy road construction is required, and only very small perennial Type Ns are involved. All incense cedar, redcedar, grand fir, and hemlock will be left. In addition, defective bigleaf maple and Douglas-fir will be marked to leave. 40 Douglas-fir wildlife trees over 15" DBH will be created. No merchantable logs will be intentionally left for down wood due to the large amounts of current down wood and the proximity to a public road
- Nelson Junction Clearcuts (Alternate Sale): Two 20 acre modified clearcuts separated by a Type N stream in 70 year old Douglas-fir. Since the stream is low gradient and flows directly into Nelson Creek, the riparian zone will be more robust than normal for Type N's. In addition, a four acre patch of steep ground adjacent to the stream will be left uncut.

Bigleaf maple and conifer other than Douglas-fir will be leave trees. An additional two Douglas-fir per acre will be left on the uplands. The sale area and the general area contains numerous snags and abundant down wood, which will be left after logging. Sixty wildlife trees will be created in the clearcuts and twenty in the four acre leave unit. No merchantable logs will be intentionally left for down wood.

Over a mile of gravel road construction and 2000 feet of improvement is required. The construction and improvement is on gentle ground. Improvement entails upgrading an outsloped dirt spur to a ditched gravel road with crossdrain culverts.

- Nelson Junction Thinnings (Alternate Sale): Two units totaling 65 acres of medium density thinning in 70 year old Douglas-fir. The two units are separated by a 1994 thinning. Only Douglas-fir will be cut and 40 wildlife trees will be created. 25 foot no-cut riparian zones will be left along streams.

4500 feet of dirt spur will be constructed on gentle ground and waterbarred and tank trapped when logging is completed.

- Nelson Junction Pre-roading (Alternate Sale): 1700 feet of new gravel spur will be constructed on gentle ground, and 2100 feet of existing dirt road will be upgraded and rocked to prepare for the 2011 sale, Another Nelson. In addition, a steel gate will be required by the landowner whose land will be crossed by the new construction. The

road is being built at this time to reduce damage to the new private plantation through which it crosses.

- Fish Ridge (Alternate Sale): Fish Ridge originally was Area 5 of Center 8, a 2008 sale. Fish Ridge is a 52 acre medium thinning in a mixed Douglas-fir/hemlock stand which naturally seeded after being clearcut in about 1955.

About 600 feet of dirt spurs need to be constructed. All are on gentle ground. The sale has no creeks.

- Two Knobs (Alternate Sale): Three small modified clearcuts totaling 40 acres abutting private forest. The timber is almost entirely Douglas-fir about 60 years old mixed with bigleaf maple. Less than a half mile of road will be constructed. All the road is on ridgetops with no potential for affecting streams. Two acres of Type F RMA will be heavy thinned.

Harvest in future LYR areas is as follows:

- Miller Hardwood (Alternate Sale): A 38 acre modified clearcut in hardwood stands 55 to 70 years old. The area burned in the 1920's. In about 1954 the timber left after the fire was logged. Hardwoods seeded in both after the fire and after the mid 1950's logging.

This sale is between ODF marbled murrelet habitat to the north and BLM marbled murrelet habitat to the south. The sale contains a few large conifer. All trees over 40 inches DBH will be left.

The upper portion of the old, overgrown, 1950's road will be reconstructed and two short spurs will be constructed to allow landings to be built on stable, ridge top locations. The old road was built by sidecasting waste material. Reconstruction will require at least some of that material to be retrieved and endhauled to stable locations.

Harvest in future OFS areas is as follows:

- Tunnel Selective (Alternate Sale): A medium density thinning in a 100 year old Douglas-fir stand to speed it on its path towards OFS. The stand currently has about 100 trees per acre and will be thinned to about 40 trees per acre. 0.4 miles of overgrown spurs must be reconstructed. 0.9 miles of connector road will be vacated by waterbarring and blocking.

Forest Roads Management

Overview

The *Forest Roads Manual 2000* describes the vision, guiding principles and practices for road construction and maintenance on ODF managed forest land. This AOP describes

four categories of road management activities: Construction, improvement, closure/vacation, and maintenance.

Construction for this period will add 1.1 miles of gravel road to the district permanent road network. None of the access to these new gravel roads is controlled by ODF. Dirt roads will be vacated and blocked.

Table 4. Summary of Road Management Activities. All values are in miles.

	Mainline (High Use)		Collector (Medium Use)		Spur (Low Use)	
	AOP	IP ¹	AOP	IP ¹	AOP	IP ¹
Road Construction	0	0	0	0.5-1.2	1.1	1.5-2.5
Road Improvement	0	0	0.9	0.8-1.0	0	0.2-0.8
Road Vacation	0	0	0	0-0.2	0	0.2-0.4
Road Maintenance – District²	0	NA	10	NA	10	NA
Road Maintenance – Active Operations³	6	NA	3	NA	2	NA

1. These are annual estimates derived from Table 7-6 (Road Activities for the Western Lane District from FY 2002 through FY 2011) of the 2003 District Implementation Plan. The values above were derived by dividing the values in Table 7-6 by 10.

2. The road maintenance estimates include only the work to be completed during Fiscal Year 2009 by district personnel and service contracts. However, the exact amount cannot be predicted at this time. Estimates of road maintenance were not made in the Implementation Plan.

3. This is a broad estimate of the road maintenance that may be accomplished during the fiscal year, through active commercial operations. However, the exact amount can not be predicted at this time.

Road Construction

The road construction shown below is discussed in greater detail in the attached Pre-Operations Reports. Refer to these reports for cost estimates and maps showing the proposed road locations. Only limited reconnaissance has been conducted on the proposed FY 2009 sales. Locations and costs may change as field work progresses.

Approximately 1.1 miles of road will be constructed.

- Knapp Nose: 0.6 mile of spurs.
- Wimble Pass: 0.5 miles of spurs.

Road Improvement

Approximately 0.9 miles of connector road for the Knapp Nose sale will be improved by re-building the subgrade, installing culverts, and rocking. This road is entirely on owners other than state.

Road Access Management

Rocked roads are not normally vacated since we want to keep these roads open for forest management purposes and public recreation. Most ODF-controlled roads are ridgetop with little potential for sediment to enter streams.

Access to Areas 1 and 2 of Knapp Nose is controlled by a private gate which is kept locked year around. ODF must obtain a temporary agreement to access these units and construct road.

ODF has agreements and easements for the other unit of Knapp Nose, but road use permits and fees may be required. Access to Wimble Pass is restricted by a private gate which is locked except during general deer and elk hunting season, and sometime even locked then.

ODF controlled roads are usually kept open for public use. However, we retain the option of gating if vandalism, neighbor concerns, or excessive road damage from public use becomes a problem in particular areas.

Road Maintenance

Road maintenance is accomplished by timber sale purchasers, through R/W agreements, and by contracting road maintenance. In addition, small amounts of roadside herbicide application is done by District personnel. The District does not own heavy equipment such as graders, dozers, or backhoes.

On roads not being actively used for timber hauling, the District practices a low level of maintenance by maintaining drainage and keeping encroaching vegetation in check. No attempt is made to maintain smooth running surfaces. In some instances, rather than incurring the expense of continuously pulling ditches, drive-thru waterbars are combined with outsloping to minimize surface erosion caused by water running down wheel tracks caused by public use.

During periodic road inspections and in the course of normal forestry work we look for areas with potential sidecast failures. If found, fixing these areas will be done as part of timber sale contracts or more immediately as separate road maintenance contracts, depending upon the recommendation of the Area geotech.

Land Surveying

All land surveying for standard sales will be completed before FY 09. If Tunnel Selective is used as a replacement sale, additional land surveying may be necessary.

Young Stand Management

Rehabilitation

No rehabilitation is planned for FY 2009.

Site Preparation

Site preparation is the activity to create planting spots and/or reduce brush cover to allow planted seedlings and natural seedlings to become established. Site preparation may be slash burning, slash and brush piling, or herbicide treatment. Vine maple, bigleaf maple, and salmonberry are the primary competing species in most areas.

Approximately 34 acres of clearcut (Big Gate) is a candidate for aerial herbicide site preparation. Another 14 acres (Almasie) will be either hand or aurally treated. A decision will be made on the Green Reach sale when logging is completed.

Planting

The district reforestation program depends on tree planting supplemented by residual natural seedlings and saplings, hardwood stump sprouting, and natural seeding (which may continue to establish seedlings about 10 years after harvest). All clearcut units are planted with a mix of conifer with Douglas-fir the primary species. Usually 300 trees per acre are planted (12x12 spacing). About 290 acres of initial planting is anticipated. A mixture of conifer species will be used.

Vegetation Management

In some cases, a few years after plantation establishment, competing vegetation threatens the survival of future crop trees. Competing vegetation is usually salmonberry and vine maple. Excess red alder and/or bigleaf maple may also need to be controlled.

About 70 acres of plantation will be hand treated (hack and squirt) with herbicide to reduce the amount of re-sprouting bigleaf maple and vine maple. Bigleaf maple trees over 6 inches in diameter will not be treated.

About 30 acres of plantation (Cram) may be hand sprayed for scotch broom.

Tree Protection

Planted conifer is sometimes clipped off by mountain beavers. In other areas deer or elk may bite off the tips. Occasionally the District may encase seedlings in plastic mesh tubes for protection. The district has not trapped mountain beavers, but may consider doing so in heavily populated areas.

No tree protection or trapping is planned. However, examination this spring may show that seedling protection is necessary in some areas.

Precommercial Thinning (density management)

Thinning stands at age 15 to 18 is a common forestry practice designed to concentrate growth on future crop trees. Our current tree planting density and species mix – 300 mixed conifer per acre – may allow us to forgo precommercial thinning in the future unless considerable natural seeding occurs soon after harvest and competes with the planted trees.

The district is not planning to precommercially thin this fiscal year.

Fertilization

The District has no plans for fertilization in FY 2009.

Pruning

Pruning is the practice of cutting off the lower limbs of young trees to produce knot free lumber in the distant future. The District has no plans for pruning.

Recreation Management

Overview of Recreation Management

ODF-managed land in Lane County is scattered and not adjacent to areas of high recreational interest. However, State land has a low level of hunting, mushroom picking, and backroad driving. Our timber sale activities increase forage for big game and grouse, and our road building improves recreational access. Wood cutting is a popular recreational activity in this District. Whenever we have public access to newly logged units, we offer free wood cutting permits. We now limit our permits to less than 100 per year.

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

No campgrounds, viewpoints, or recognized trails exist on ODF managed land in Lane County.

Trails

See above.

Land Exchange

None planned

Other Integrated Forest Management Operations

None planned

Planning (and Information Systems)

Below are the significant district-level planning projects currently scheduled for FY 2009.

Stand Level Inventory and Other Vegetation Inventories

Stand level inventory contracts are administered by the Salem staff. These contracts will continue in 2009 with the goal of completed the entire district in a few years.

H&H Project

We expect that ODF will continue to refine the Harvest and Habitat model in FY 2009.

Fish and Wildlife Surveys

Western Lane District has a very active spotted owl and marbled murrelet survey program.

We typically survey 10 to 15 current and potential sale areas each year for spotted owls under ODF contracts or in cooperation with federal agencies. In addition, owl occupancy on many activity centers that affect State land is monitored.

Marbled murrelet surveys are conducted annually on about 10 potential sale areas.

The District has no plans to conduct fish presence surveys in FY 2009. Forest Practices data and personal knowledge is used for sale planning.

Table 5. Summary of status of T&E surveys for 2009 AOP sales.

Operation	Species (NSO/MM)	Status
Knapp Nose (All)	NSO	One year of surveys completed. Surveys planned for CY 2008.
Knapp Nose A1	MM	One year of surveys completed. Surveys planned for CY 2008.
Wimble Pass (All)	NSO	One year of surveys completed. Surveys planned for CY 2008.
ALTERNATE SALES		
Nelson Junction (All)	NSO	One year of surveys completed. Surveys planned for CY 2008.
Nelson Junction Pre-Roading	MM	One year of surveys completed. Surveys planned for CY 2008.
Fish Ridge (All)	NSO	One year of surveys completed. Surveys planned for CY 2008.
Fish Ridge (All)	MM	One year of surveys completed. Surveys planned for CY 2008.
Miller Hardwood	NSO	One year of surveys completed. Surveys planned for CY 2008.
Miller Hardwood	MM	One year of surveys completed. Surveys planned for CY 2008.
Two Knobs	NSO	One year of surveys completed. Surveys planned for CY 2008.
Two Knobs	MM	One year of surveys completed. Surveys planned for CY 2008.
Tunnel Selective	NSO	One year of surveys completed. Surveys planned for CY 2008.
Tunnel Selective	MM	One year of surveys completed. Surveys planned for CY 2008.

Watershed Assessments

None planned for FY 2009.

Research and Monitoring

Stream and riparian monitoring is being conducted jointly with the State Forests and Private and Community Forests programs on a tributary of Nelson Creek and on the main stem of Knapp Creek.

Other Planning Operations

None anticipated

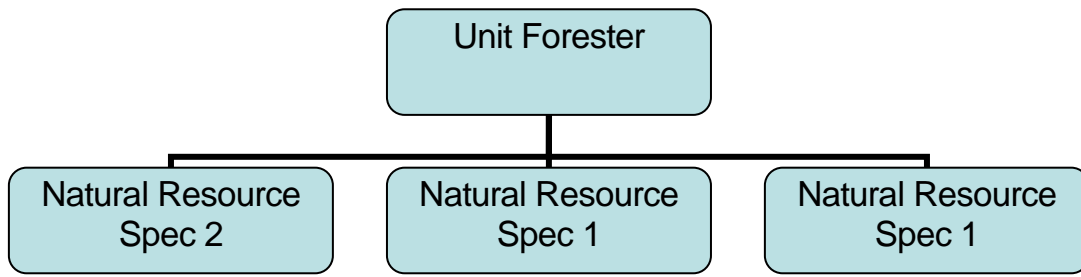
Public Information and Education

Public information and involvement will include public review and comments on the 2009 AOP. In addition, informal public review and comment on all district State Forests management activities on an ongoing basis is expected and welcomed.

Administration

There are currently four full time foresters (Management Unit Forester, Natural Resources Specialist 2, and two Natural Resource Specialist 1's) in the Western Lane District State Forests program. The NRS 2 also acts as the computer systems and GIS specialist for all District programs. The four foresters perform all the tasks normally handled by engineering, marketing, reforestation/young stand management, GIS, T&E, and planning specialists in the larger districts.

The State Forests budget partially funds the District Forester, Office Manager, and Receptionist/Dispatcher. Since there is no Assistant District Forester, the Management Unit Forester is responsible for the State Forests portion of that position.



APPENDICES

A. Summary Tables

B. Pre-Operations Reports

C. Public Involvement

D. Additional Maps

TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: Western Lane

Fiscal Year: 2009

Date: 06/25/2008

Operation	Payment	Fund BOF	CSL	County	Sale Qtr	Net Acres		Volume (MMBF)			Value			Stumpage \$/MBF
						Partial Cut	Clear-cut	Conifer	Hard-woods	Total	Gross	Projects	Net	
Knapp Nose	R	100%	0%	Lane	4	0	123	4.1	0.0	4.1	\$1,439,550	\$56,000	\$1,383,550	\$350
Wimble Pass	R	0%	100%	Lane	4	0	80	2.6	0.0	2.6	\$975,000	\$32,000	\$943,000	\$375

Total:	0	203	6.7	0.0	6.7	\$ 2,414,550	\$ 88,000	\$2,326,550
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203 Total Acres

Alternate Operations

Nelson Junction	R	100%	0%	Lane	4	65	40	2.2	0.0	2.2	\$715,000	\$111,000	\$604,000	\$325
Fish Ridge	R	0%	100%	Lane	4	52	0	0.4	0.0	0.4	\$60,000	\$0	\$60,000	\$150
Miller Hardwood	R	100%	0%	Lane	4	0	38	0.6	0.3	0.9	\$270,000	\$150,000	\$120,000	\$275/\$350
Two Knobs	R	100%	0%	Lane	4	2	40	0.9	0.0	0.9	\$299,000	\$28,000	\$271,000	\$325
Tunnel Selective	R	100%	0%	Lane	4	42	0	1.0	0.0	1.0	\$375,000	\$34,000	\$341,000	\$375

Total:	161	118	5.1	0.3	5.4	\$1,719,000	\$323,000	\$1,396,000
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TIMBER HARVEST OPERATIONS - FOREST STRUCTURE SUMMARY

District: Western Lane

Fiscal Year 2009

Date: 06/25/2008

Operation	Area	Net Acres			Stand Structure Development Pathway			Structural Components	
		Partial Cut	Clearcut	Total	Current	Post-Harvest	Desired	Green Trees/Ac	Snags/ Ac
Knapp Nose	All	0	123	123	UDS	REG	GEN	5+	2+
Wimble Pass	All	0	80	80	UDS	REG	GEN	5+	2+

Total	0	203
Annual Range (Gross Ac)	0-280	0-500

ALTERNATES

Nelson Junction	1	0	40	40	UDS	REG	GEN	5+	2+
Nelson Junction	2	0	80	80	UDS	REG	GEN	5+	2+
Nelson Junction	3	52	0	52	UDS	UDS	GEN	NA	0.5+
Nelson Junction	4	0	0	0	UDS	UDS	GEN	NA	0.5+
Wimble Pass	All	0	0	0	UDS	REG	GEN	5+	2+
Fish Ridge	All	52	0	52	UDS	UDS	GEN	NA	<0.5
Miller Hardwood	All	0	38	38	UDS	REG	LYR	5+	1
Two Knobs	1,2,3	0	40	40	UDS	REG	GEN	5+	2+
Two Knobs	4	2	0	2	UDS	UDS	GEN	NA	<0.5
Tunnel Selective	All	42	0	42	UDS	UDS	OFS	NA	2+

FOREST ROADS SUMMARY

District: Western Lane

Fiscal Year: 2009

Date: 06/25/2008

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					
Knapp Nose	0.6	\$50,000	0.9	\$6,000	\$0	\$56,000	\$1,439,550	4%	
Wimble Pass	0.5	\$32,000	0.0	\$0	\$0	\$32,000	\$975,000	3%	
	1.1		0.9						

Total:	\$88,000	\$2,414,550	4%
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Alternate Operations

Nelson Junction	0.0	\$63,000	0.8	\$48,000	\$0	\$111,000	\$715,000	16%	
Fish Ridge	<0.1	\$1,500	<0.1	\$2,000	\$0	\$3,500	\$60,000	6%	
Miller Hardwood	0.4	\$130,000	0.9	\$20,000	\$0	\$150,000	\$270,000	56%	
Two Knobs	0.4	\$28,000	0.0	\$0	\$0	\$28,000	\$299,000	9%	
Tunnel Selective	0.6	\$25,500	1.2	\$7,000	\$1,500	\$34,000	\$375,000	9%	
	1.4		2.1						

Total:	\$326,500	\$1,719,000	19%
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Road Projects Not Associated with Commercial Forest Management Operations

Roadside Spray	\$1,500
Road Brushing	\$0
Road Maint	\$5,000

Reforestation and Young Stand Management Report

District: Western Lane

Fiscal Year: 2009

Date: 1/30/08

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	184	\$200	\$36,800	106	\$213.00	\$22,578	290	\$59,378
Interplanting								
Underplanting								
Tree Protection-Barriers								
Tree Protection-Direct Control								
Site Prep-Chemical- Aerial				34	\$75	\$2,550	34	\$2,550
Site Prep-Chemical- Hand	14	\$90	\$1,260				14	\$1,260
Site Prep -Slash Burning								
Site Prep -Mechanical								
Fertilization								
Noxious weeds								
Release-Chemical- Aerial								
Release,-Chemical-Hand	30	\$80	\$2,400				30	\$2,400
Release-Mechanical-Hand								
Precommercial Thinning				65	\$120.00	\$7,800	65	\$7,800
Pruning								
Other								
Totals	228	--	\$40,460	205	--	\$32,928	433	\$73,388

*Planting costs include contract and seedling purchase costs, but not administration.

RECREATION MANAGEMENT SUMMARY

District: Western Lane

Fiscal Year: 2009

Date: 09/11/2007

Operation	Unit of Measure	Current	Construction Projects	Construction Cost (Funding)		Improvement Projects	Improvement Cost (Funding)		Total Cost	Comments
				ODF	Other		ODF	Other		
Facilities										
Campsites	Sites								\$0	
Day Use Areas									\$0	
Trailheads									\$0	
Interpretive Sites									\$0	
(Other)	Sites								\$0	
Trails										
Non-Motorized	Miles								\$0	
Motorized	Miles								\$0	

Total: \$0

