



Oregon

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STEWARDSHIP IN FORESTRY

Memorandum

Subject: FY2007 AOP Modification; Johnny Hairpin Timber Sale
To: Robert Gustavson; Acting District Forester
From: Erik Marcy; Unit Forester
Date: June 26, 2007

Based on our most recent reconnaissance of the planned FY07 timber sale known as Johnny Hairpin, I am hereby recommending a major modification to this sale. At this time the Marketing Unit agrees that the best decision is to emphasize clearcutting over partial cutting in the northwest corner of Area 1 due to a unique logging situation. Because it is not feasible to construct a new spur into this portion of the sale it will be necessary to cable yard across Stimson Lumber Company owned lands. An agreement will be obtained from Stimson Lumber Company (adjacent landowner) to yard state timber over their land located between the road and the property line in the S1/2, NW1/4, Section 4, T1S, R6W.

The recommendation is as follows:

- Change approximately 29 acres of partial cut in Area 1 to clearcut.

The result would be as follows:

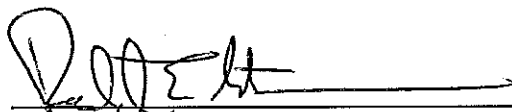
- The new Area 1 is a 139 acre partial cut.
- The new Area 2 is a 29 acre modified clearcut.
- The new Area 3 is a 28 acre partial cut.
- The new Area 4 is a 109 acre modified clearcut

These new areas have recently been posted and the actual contract acreages are shown.

The modification as proposed is estimated to result in an increased sale volume from the 6 MMBF to 7.4 MMBF. Attached are the old Johnny Hairpin AOP exhibits, the modified Johnny Hairpin exhibits, an updated pre-operations report, and the updated FY07 AOP summary tables. This modification has been reviewed and accepted by ODF resource specialists.

If you concur with this recommendation please sign below and we will send the updated information to Salem to post on the web. Thank you.

Approved:


Robert Gustavson; Acting District Forester

6-28-07
Date

Pre-Operations Report (June 2007 Modification)

Operation Name: Johnny Hairpin
County: Washington
Management Basin: Sunday Creek

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Moderate Partial Cut	148	139
3	Moderate Partial Cut	29	28
Total	Partial Cut Harvest	177	167
2	Modified Clearcut	36	29
4	Modified Clearcut	149	109
Total	Regeneration Harvest	185	138

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

Slopes have a varied aspect and range from 20 to 60%. Elevations range from 1600 to 2500 feet. The major soil types are Rye and Killam. The sale extends from the ridge tops to the lower slopes adjacent to the North Fork of the North Fork of the Trask River.

The landform is a gentle divide between two tributaries of the North Fork of the Trask River including some steep slopes in Area 1 and Area 4 along the stream running adjacent to the south end of the sale area. The underlying rocks are mostly igneous origin flows of the Basalts of Hembre Ridge (informal formation) and intrusive diabase sills.

II. CURRENT STAND CONDITION:

The sale areas burned in the 1933, 1939, and 1945 Tillamook Burns.

Approximately 132 acres (95%) of Area 1, 29 acres (100%) of Area 2, and 28 acres (100%) of Area 3 has been inventoried using the Stand Level Inventory (SLI) procedure and those stands have been classified as UDS. Approximately 109 (100%) acres of Area 4 has been inventoried using SLI, those stands have been classified as 107 acres (98%) UDS and 2 acres (2%) CSC. The remaining 7 acres (5%) of Area 1 are classified as CSC according to the Current Condition map that appears in the Forest Grove District Implementation Plan (*March 2003*).

Area 1, 2, and 3 is composed of well stocked Douglas-fir with scattered hemlock. Red alder is confined to wet areas and draws. *Phellinus weirii* is present. The need for treatment will be determined when the *Phellinus weirii* survey results are received.

Area 4 is a mix of well stocked Douglas-fir and large areas of scattered conifers and brush. The poorly stocked patches contain significant amounts of *Phellinus weirii*.

The understory in Area 1,2, and 3 is mostly sword fern, salal and dwarf Oregon grape. Area 4 contains significant amounts of vinemapple as well as sword fern and dwarf Oregon grape.

SLI data shows that there are approximately 4 to 6 snags per acre and 3,500 to 4500 ft³/acre of DWD. Most of the snags and DWD are classes 3, 4 and 5.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age ⁴	DBH	BA	TPA	SDI	Net Acres ²
1	PC-M	8055	DF	44-50	13	209	236	58	98
		8069	DF	40-42	13	226	246	62	34
		8074*	DF, WH	43 est.	16	217	154	55	7
		Target ³			16	130	93	33	139
2	MC	8055	DF	44-55	13	209	236	58	29
3	PC-M	8055	DF	44-55	13	209	236	58	26
		8056	DF	38-44	15	218	177	56	2
		Target ³			16	130	93	33	28
4	MC	8055	DF	44-55	13	209	236	58	7
		8056	DF	38-44	15	218	177	56	18
		8057	DF	38-41	13	217	235	60	21
		8059	DF	31-40	13	207	218	57	61
		8063	DF	34	14	137	128	37	2

¹ The source of stand inventory information is from SLI inventory grown to 2005. Stand ID shown with (*) is from expanded SLIP information based on similar stands as of 11/2/2005.

² The acres are based on GIS and exclude existing and planned roads, stream buffers, green tree retention areas, and non-thinnable areas. Clear cut acres do not exceed 120 acres.

³ The Target identifies expected stand characteristics (DBH, BA, TPA and SDI) after harvesting has been completed.

⁴ Actual measured breast height ages are shown unless labeled "est."

III. DESIRED FUTURE CONDITION/VISION:

The first entry partial cut will continue the development of Area 1 and Area 3 toward LYR. Area 2 and Area 4 will be REG in the short term. According to the Forest Grove District's landscape design for the Sunday Creek basin, the desired future condition (DFC) for Area 1 is 95% General and 5% OFS. The DFC for Area 2 is 100% General. The DFC for Area 3 is 100% General. The DFC for Area 4 is 98% General and 2% OFS. (The 2% OFS can be attributed to anticipated differences between the landscape design as mapped and the sale boundary as posted in the field.)

The harvest operation in Area 1 and 3 will continue the development of UDS structure in the short term. All trees less than 8 inches and all species other than Douglas-fir shall be retained. All existing snags which do not present a safety hazard, and down woody debris of all decay classes shall be retained. As the understory develops, future operations will remove more of the overstory. This will provide more light and nutrients to promote the continued vigor of the understory. In time, a second and third layer of trees and other vegetation will develop, producing the desired complex structure.

Areas 2 and 4 are modified clearcuts. The vision for these areas is to establish vigorous growing plantations of *Phellinus* resistant tree species. These areas will be clearcut again in 50 to 60 years at which time the site could be returned to predominantly Douglas-fir. At the time of the second modified clearcut, it is anticipated the stand will be in the UDS condition.

Table 3. Stand Structure Information

Area	Stand ID	Current	Post Harvest ¹	Desired Future	Net Acres
1	8055	UDS	UDS	GEN	98
	8069	UDS	UDS	GEN	34
	8074	UDS	UDS	OFS	7
2	8055	UDS	REG	GEN	29
3	8055	UDS	REG	GEN	26
	8056	UDS	REG	GEN	2
4	8055	UDS	REG	GEN	7
	8056	UDS	REG	GEN	18
	8057	UDS	REG	GEN	21
	8059	UDS	REG	GEN	61
	8063	CSC	REG	OFS	2

¹ The stand is expected to develop into this condition in the five to ten years after this operation is completed, except in REG stands which occur after harvest.

IV. PROPOSED MANAGEMENT PRESCRIPTION AND PATHWAY:

Partial Cut - Moderate:

Area 1 and Area 3 are PC- M. The target SDI is approximately 33.

Douglas-fir will be selected for harvest. All other species will be reserved. Both areas will be thinned to a target basal area of 120 to 140 square feet. The average DBH of the residual stand will be approximately 16 inches. Residual trees will be the largest DBH and height, and have the best form and vigor. All trees less than 8 inches shall be reserved and shall not count toward the target basal area.

All existing snags which do not present a safety hazard, and down woody debris of all decay classes shall be retained. Additional DWD recruitment is expected through felled snags, tree topping and logging slash. Due to the small tree diameter and young age of this stand, snag creation will be delayed until the

second entry partial cut approximately 20 years after this first entry partial cut. In the interim it is anticipated that snag and DWD recruitment will occur through natural processes.

Modified Clearcut:

Area 2 and Area 4 are MC.

Hemlock and noble fir will be reserved from harvest.

Two trees per acre shall be topped in Area 2 and Area 4 to create hard snags. Snags shall be evenly distributed throughout Area 2 and Area 4 and the green tree retention areas, have a DBH of at least 18 inches, and will be at least 60 feet in height.

Approximately 80 large trees will be dropped to add class 1 DWD on the gentle slopes within the area. All existing DWD will be reserved

A variety of methods will be used to achieve green tree retention requirements. This includes two green tree retention areas, stream buffers, and trees scattered across Area 2 and Area 4. These methods will be used in combination to meet the green tree requirement in the Forest Management Plan (FMP) and provide snags and DWD to the stand, which are expected to develop through natural processes.

Some portions of the site will be planted with *Phellinus* resistant species. The location depends on the results of the *Phellinus* survey. Following harvest, the sale areas will be reviewed to determine if site preparation is needed. The new stand will be precommercially thinned around age 15 and then clearcut at approximately age 50.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
100%	%		X
Planned Quarter: 4			

	Conifer	Hardwood	Total
Net Volume (MBF)	7,400		
Stumpage Value (\$/MBF)*	\$350		
Estimated Gross Value			\$2,590,000
		Project Costs:	\$270,000
		Estimated Net Value:	\$2,320,000

*Combined Douglas-fir and hemlock stumpage values

VI. HARVESTING AND ACCESS CONSIDERATIONS:

The sale areas are accessed via Stimson Mainline, the 2500 Mainline and unnamed spur roads. Most are currently crushed rock roads although some of the unnamed spurs are dirt. An access easement will need to be obtained from Stimson Lumber Company. Road use fees will apply.

Approximately 3.7 miles of existing unsurfaced road will be improved which includes grading, rocking, widening, culvert replacement, spot rocking, sidecast pullback, and adding new culverts. This work will bring all roads up to standards described in the Forest Roads Manual. See maps for specific road locations and conditions.

Approximately 0.6 miles of road will be constructed to provide access to cable landing locations. New construction is limited to ridgetops. New roads will not cross streams.

All haul roads will have high quality crushed rock or pit run surfacing. Roads will provide access to all timber within the sale area and allow for logging methods and hauling which will minimize impacts to soils, residual timber, streams, and riparian areas.

Estimated cost of project work is \$270,000.

The main reason for modifying the sale was due to the need to cable log over Stimson Lumber Company lands in the NW1/4, Section 4, T1S, R6W. An agreement will be prepared by Stimson Lumber Company to allow the State's timber sale Purchaser to yard over said property. Stimson has agreed to harvest their timber between the road and the property line and leave the area unplanted for a 6 month period of time. Only a clearcut harvest makes sense in this scenario. The entire sale is estimated to be 60% cable logging and 40% ground base logging.

Table 5. Transportation Management Summary (Miles)

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construction	0	0	0.6	0
Improvement	0	0	3.7	0
Maintenance	15 ¹	6 ¹	4.3	0
Vacation	0	0	0	0

¹Third party roads.

VII. AQUATIC RESOURCES AND WATER QUALITY:

The North Fork of the North Fork of the Trask River, a large type F stream, and an unnamed medium type F tributary flow adjacent to the sale. There are two small unnamed type F streams within Area 1. There are several unnamed small perennial and seasonal Type N streams within both sale areas. All streams flow into the North Fork of the North Fork of the Trask River.

During sale layout, all streams will be field verified as to size, type, locations, and/or source.

Riparian area stand types along these streams are a mix of conifer and hardwood.

Stream buffers within harvest unit boundaries will be managed according to FMP Riparian Strategies. The riparian areas will be reviewed during sale layout for current stand conditions and/or operational constraints for implementing FMP strategies.

The Trask Watershed Analysis will be checked for recommendations that could be applied during this sale.

Seasonal hauling restrictions will be applied in order to protect the water quality on all streams along the haul route. Restrictions may include limiting the number of loads hauled per day, not hauling during periods of heavy moisture, or having an alternate haul route.

ODFW fish biologist Dave Plawman will assess the potential for stream enhancement projects on the North Fork of the North Fork of the Trask River. Projects to incorporate wood placement in streams will be accomplished concurrent with harvest activities.

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 are not limited to) maintaining culverts and other road drainage structures, using sediment control devices in road ditches when necessary, and seasonal restrictions on logging 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 ODFW.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The sale areas have been reviewed with the ODF Northwest Oregon Area Biologist (Area Biologist).

Spotted owl surveys are not required for Johnny Hairpin, as the sale area is within the Tillamook Burn (see November, 2002 ODF Policy Guidance: *Northern Spotted Owl Surveying on State Forest Lands*).

Surveys for marbled murrelets are not required, due to the absence of potentially suitable habitat within the sale area. The ODF wildlife biologist for the NW Oregon Area made the determination that the sale area is non-suitable habitat for marbled murrelets.

This operation does not involve an activity that is listed in the National Marine Fisheries Service (NMFS) adopted rules under Section 4(d) of the Endangered Species Act. Neither the sale area nor the haul route is in close proximity to a stream with listed fish.

The sale areas were checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations, as well as against local records in the Land Management Classification System (LMCS). No listed plant records were identified within or adjacent to the sale areas.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

There are steep slopes along the stream in Area 1. The initial hazard and risk assessment from the geotechnical specialist is low for Area 3 and Area 4 and high for Area 1. The geotechnical specialist will be consulted during field work to determine if a field visit is needed for Area 1.

X. RECREATION RESOURCES:

The sale is designated as Non-Motorized in the Tillamook State Forest Comprehensive Recreation Plan (1993). The District Recreation Coordinator reviewed this sale and had no comments on the planned operation. A stock pile of 6"-0" rock was requested. The rock will be used for recreational trail maintenance not associated with this operation.

Restricted access through Stimson Lumber Company land prevents recreational use in this area.

XI. CULTURAL RESOURCES:

The sale area and proposed road construction right-of-way were checked against the Tillamook State Forest Cultural Resource Inventory Database (GIS format). No cultural resource records were identified within or adjacent* to the operation areas. If any significant cultural resources are located during sale preparation, the Public Use Coordinator (ODF Salem Staff) will be consulted regarding potential protection measures.

**Adjacent refers to approximately one tree length from an operation area. For the purpose of this screen, a 200 foot buffer around the sale boundary and proposed road construction right-of-way was assessed for cultural resource locations.*

XII. SCENIC RESOURCES:

The sale has a visual classification of Level 3, low sensitivity. No scenic impact is expected.

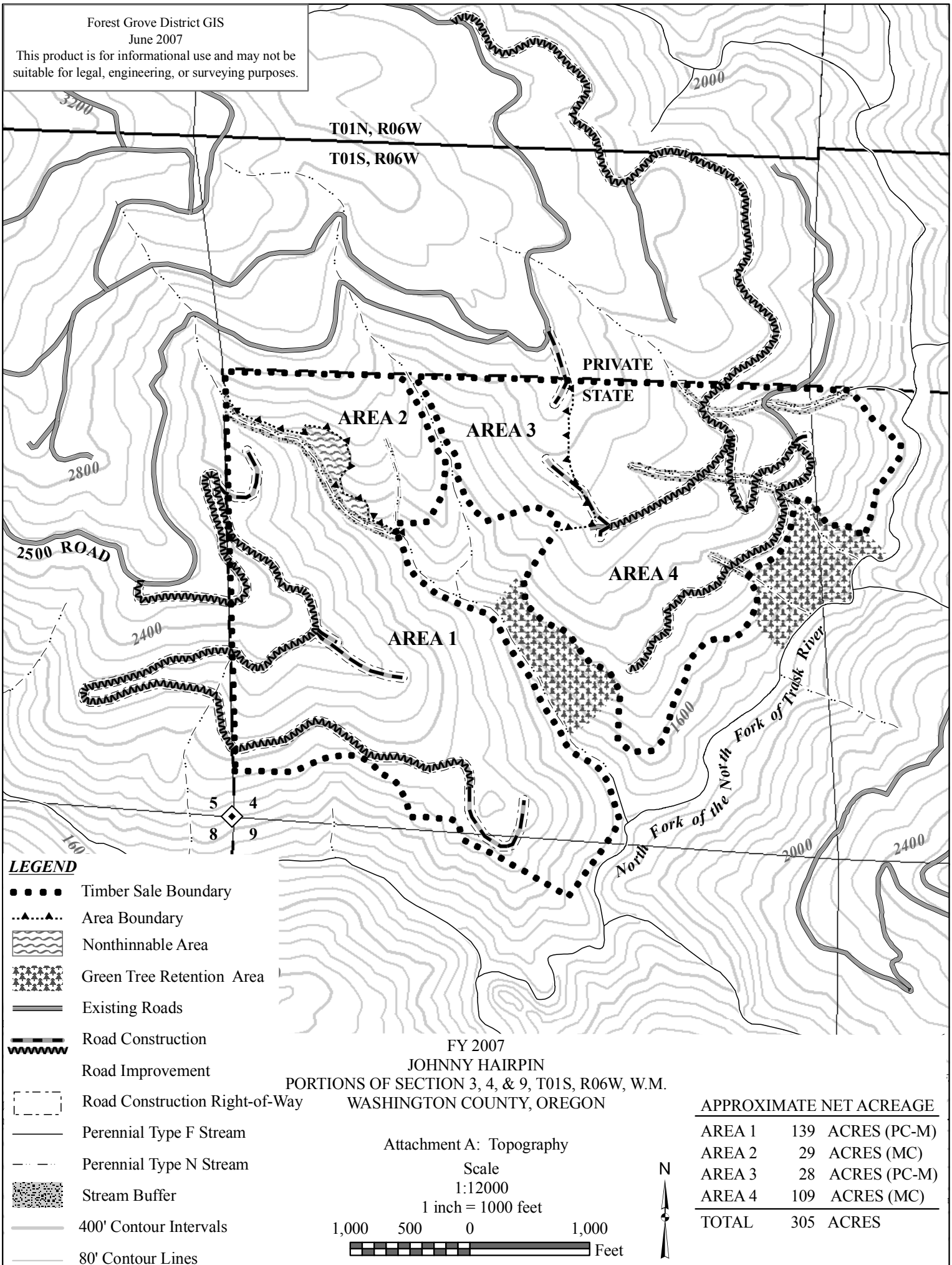
XIII. OTHER RESOURCE CONSIDERATIONS:

Property lines have been true blazed and posted.

All known survey corners and witness trees shall be protected from damage during any operations.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Area 1, 2, 3 and 4 contains Focused and Special Stewardship, Aquatic and Riparian Habitat. See Section VII, Aquatic Resources and Water Quality, for the management guidelines to be utilized.



LEGEND

- Timber Sale Boundary
- ▲--- Area Boundary
- ~~~~~ Nonthinnable Area
- ▣ Green Tree Retention Area
- Existing Roads
- ~~~~~ Road Construction
- Road Improvement
- Road Construction Right-of-Way
- Perennial Type F Stream
- Perennial Type N Stream
- ▣ Stream Buffer
- 400' Contour Intervals
- 80' Contour Lines

FY 2007
 JOHNNY HAIRPIN
 PORTIONS OF SECTION 3, 4, & 9, T01S, R06W, W.M.
 WASHINGTON COUNTY, OREGON

Attachment A: Topography

Scale
 1:12000

1 inch = 1000 feet



APPROXIMATE NET ACREAGE

AREA 1	139	ACRES (PC-M)
AREA 2	29	ACRES (MC)
AREA 3	28	ACRES (PC-M)
AREA 4	109	ACRES (MC)
TOTAL	305	ACRES

T01N, R06W

T01S, R06W

PRIVATE
STATE

AREA 2

AREA 3












AREA 4

AREA 1

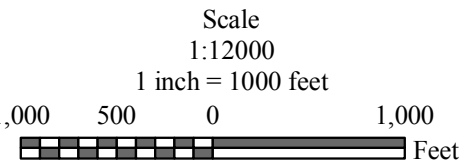
2500 ROAD

North Fork of the
Trask River

LEGEND

- Timber Sale Boundary
- ...▲▲▲ Area Boundary
-  Nonthinnable Area
-  Green Tree Retention Area
-  Existing Roads
-  Road Construction
-  Road Improvement
-  Road Construction Right-of-Way
-  Perennial Type F Stream
-  Perennial Type N Stream
-  Stream Buffer
- DFC Stand Type
-  Layered
-  Older Forest Structure

FY 2007
JOHNNY HAIRPIN
PORTIONS OF SECTION 3, 4, & 9, T01S, R06W, W.M.
WASHINGTON COUNTY, OREGON
Attachment B: Desired Future Condition



APPROXIMATE NET ACREAGE

AREA 1	139	ACRES (PC-M)
AREA 2	29	ACRES (MC)
AREA 3	28	ACRES (PC-M)
AREA 4	109	ACRES (MC)
TOTAL	305	ACRES



T01N, R06W

T01S, R06W

PRIVATE
STATE

AREA 2

AREA 3

AREA 4





AREA 1

2500 ROAD

North Fork of the
Trask River

5 4
8 9

LEGEND

- Timber Sale Boundary
- ▲--- Area Boundary
-  Nonthinnable Area
-  Green Tree Retention Area
- Existing Roads
- Road Construction
- ~~~~~ Road Improvement
- Road Construction Right-of-Way
- Perennial Type F Stream
- Perennial Type N Stream
-  Stream Buffer
-  Special Stewardship - Operationally Limited

FY 2007

JOHNNY HAIRPIN

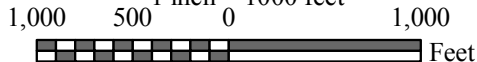
PORTIONS OF SECTION 3, 4, & 9, T01S, R06W, W.M.
WASHINGTON COUNTY, OREGON

Attachment C: Key Resources
(Special Stewardship - Operationally Limited)

Scale

1:12000

1 inch = 1000 feet



APPROXIMATE NET ACREAGE

AREA 1	139	ACRES (PC-M)
AREA 2	29	ACRES (MC)
AREA 3	28	ACRES (PC-M)
AREA 4	109	ACRES (MC)
TOTAL	305	ACRES

TABLE A-1: COMMERCIAL FOREST MANAGEMENT OPERATIONS - FINANCIAL SUMMARY

District: Forest Grove

Fiscal Year: 2007

Date:

June-07

Operations	Payment Type	Fund %		County	Sale Quarter	Net Acres		Volume (MMBF)			Value		
		BOF	CSL			Partial Cut	Regen	Con-ifer	Hard-woods	Total	Gross	Projects	Net
Doty's Derby	R	100%	0%	Till	2		77	2.8		2.8	\$1,300,000	\$15,000	\$1,285,000
Gregorian Cant	R	100%	0%	Clat	3	118		2.5		2.5	\$700,000	\$50,000	\$650,000
Johnny Hairpin	R	100%	0%	Wash	4	167	138	7.4		7.4	\$2,590,000	\$270,000	\$2,320,000
Park Place	R	100%	0%	Wash	2	234		3.1		3.1	\$1,240,000	\$70,000	\$1,170,000
Reimer Reason	R	100%	0%	Wash	2	241		3.5		3.5	\$1,225,000	\$126,000	\$1,099,000
Roger's Break	R	100%	0%	Wash	3	361	57	5.2		5.2	\$2,210,000	\$295,000	\$1,915,000
Rutherford U	R	100%	0%	Till	1	376		5.0		5.0	\$1,875,000	\$206,000	\$1,669,000
Scotty Dog	R	100%	0%	Till	4	325		4.6		4.6	\$1,150,000	\$182,000	\$968,000
Sgt. Rock	R	100%	0%	Clat	3		135	5.3		5.3	\$2,385,000	\$99,000	\$2,286,000
Toucan Sam	R	100%	0%	Till	4		98	3.5		3.5	\$1,575,000	\$15,000	\$1,560,000
Upper Elliot	R	100%	0%	Till	4	137	68	4.2		4.2	\$1,680,000	\$140,000	\$1,540,000
Wildcat	R	100%	0%	Wash	1	391		7.6		7.6	\$2,660,000	\$260,000	\$2,400,000
Something Sain	R	100%	0%	Wash	3		134	4.9		4.9	\$1,960,000	\$80,000	\$1,880,000
Windy William	R	100%	0%	Wash	4		99	3.8		3.8	\$1,520,000	\$100,000	\$1,420,000
						2,350	806	63.4		63.4	24,070,000	1,908,000	22,162,000
Alternate Operations													
South Gale	R	100%	0%	Wash	2	44	113	4.7		4.7	\$1,878,000	\$60,000	\$1,818,000
Round Rice	R	100%	0%	Wash	4	107	94	5.0		5.0	\$2,000,000	\$61,000	\$1,939,000

TABLE A-2: COMMERCIAL FOREST MANAGEMENT OPERATIONS INTEGRATED FOREST MANAGEMENT STRATEGIES

District:										
Forest Grove		Fiscal Year			2007			Date: January-07		
Operation	Area	Net Acres			Stand Structure Development Pathway			Green Trees	Comments	
		Regen cut	Partial Cut	Total	Current	Post-Harvest	Desired			
McGregor Basin										
Gregorian Cant	1		118	118	UDS	UDS	LYR			
Sgt. Rock	1	120		120	CSC 21%, UDS 79%	REG	GEN	7		
	2	15		15	CSC	REG	GEN	7		
Wheeler Basin										
Doty's Derby	1	77		77	UDS	REG	GEN 92%, LYR 8%	7		
Park Place	1		39	39	UDS	UDS	OFS			
	2		56	56	UDS	UDS	LYR 86%, OFS 14%			
	3		51	51	UDS	UDS	LYR			
	4		56	56	UDS	UDS	LYR			
	5		32	32	UDS	UDS	LYR			
	6			(11-acre reserve area)	UDS	UDS	LYR			
Upper Salmonberry										
Toucan Sam	1	98		98	UDS	REG	GEN	7		
Gales Creek Basin										
Wildcat	1		362	362	CSC 4%, UDS 96%	UDS	LYR 23%, OFS 77%			
	2		29	29	UDS	UDS	GEN 69%, OFS 31%			
Larch Mtn.										
Scotty Dog	1		229	229	UDS	UDS	OFS			
	2		96	96	CSC 57%, UDS 43%	UDS	OFS			
Rogers Basin										
Roger's Break	1		306	306	UDS	UDS	GEN 73%, OFS 27%			
	2		55	55	CSC 67%, UDS 33%	UDS	GEN			
	3	57		57	UDS	REG	GEN	7		
Rutherford U.	1		125	125	UDS	UDS	LYR 74%, OFS 26%			
	2		251	251	UDS	UDS	GEN 75%, LYR 25%			
Upper Elliot	1		47	47	UDS	UDS	GEN 70%, OFS 30%			
	2		53	53	UDS	UDS	GEN			
	3		37	37	UDS	UDS	GEN			
	4	68		68	UDS	REG	GEN	7		
Sunday Cr. Basin										
Reimer Reason	1		241	241	CSC 3%, UDS 97%	UDS	GEN 76%, OFS 24%			
Johnny Hairpin	1		139	139	UDS	UDS	GEN95%/OFS5%			
	2	29		29	UDS	REG	GEN	7		
	3		28	28	UDS	UDS	GEN			
	4	109		109	UDS98%/CSC2%	UDS	GEN98%/OFS2%	7		
Windy William	1	99		99	UDS	REG	GEN	7		
Scoggins Creek Basin										
Something Sain	1	66		66	UDS	REG	GEN	7		
	2	68		68	UDS	REG	GEN	7		
Total		806	2350	3156				Average Per Acre	7	
Annual Range		338 - 1,100	2,365 - 3,547	2,703 - 4,053						

Alternate Operations										
Operation	Area	Net Acres			Stand Structure Development Pathway					Comments
		Regen cut	Partial Cut	Total	Current	Post-Harvest	Desired		Green Trees	
Wheeler										
Round Rice	1	94		94	CSC 23%, UDS 77%	REG	GEN		7	
	2		107	107	CSC 30%, UDS 70%	UDS	GEN 62%, OFS 38%			
Rogers										
South Gale	1	113		113	UDS	REG	GEN		7	
	2		30	30	UDS	UDS	GEN 17%, OFS 83%			
	3		14	14	UDS	UDS	GEN 50%, OFS 50%			

TABLE A-3: COMMERCIAL FOREST MANAGEMENT OPERATIONS - ROADS FINANCIAL SUMMARY

District: Forest Grove

Fiscal Year: 2007

Date: January-07

Operations	Construction		Improvement		Other Projects	Total Project Costs	Gross Value of Operation	Total Cost as a percent of Gross Value	Comments
	Miles	Cost	Miles	Cost					
Gregorian Cant	0.9	\$41,000	0.0	\$0	\$9,000	\$50,000	\$700,000	7.1%	
Johnny Hairpin	0.6	\$65,000	3.7	\$185,000	\$20,000	\$270,000	\$2,590,000	10.4%	
Park Place	0.9	\$70,000	0.0	\$0	\$0	\$70,000	\$1,240,000	5.6%	
Reimer Reason	0.9	\$60,000	1.6	\$61,000	\$5,000	\$126,000	\$1,225,000	10.3%	
Roger's Break	3.3	\$198,000	0.8	\$32,000	\$65,000	\$295,000	\$2,210,000	13.3%	
Doty's Derby	0.3	\$15,000	0.0	\$0		\$15,000	\$1,300,000	1.2%	
Rutherford U	2.9	\$174,000	0.8	\$32,000	\$0	\$206,000	\$1,875,000	11.0%	
Scotty Dog	1.0	\$74,000	1.5	\$105,000	\$3,000	\$182,000	\$1,150,000	15.8%	
Upper Elliot	2.3	\$140,000	0.0	\$0	\$0	\$140,000	\$1,680,000	8.3%	
Sgt. Rock	0.9	\$94,000	0.0	\$0	\$5,000	\$99,000	\$2,385,000	4.2%	
Wildcat	2.2	\$132,000	6.1	\$128,000	\$0	\$260,000	\$2,660,000	9.8%	
Toucan Sam	0.3	\$15,000	0.0	\$0	\$0	\$15,000	\$1,575,000	1.0%	
Something Sain	1.8	\$80,000	0.0	\$0	\$0	\$80,000	\$1,960,000	4.1%	
Windy William	0.2	\$12,000	2.7	\$88,000	\$0	\$100,000	\$1,520,000	6.6%	
Total:						\$1,908,000	\$24,070,000	7.9%	

Alternate Operations

South Gale	1.2	\$60,000	0.0	\$0	\$0	\$60,000	\$1,878,000	3.2%	
Round Rice	1.1	\$55,000	0.0	\$0	\$6,000	\$61,000	\$2,000,000	3.1%	

Road Projects Not Associated with Commercial Forest Management Operations

						\$0			
						\$0			
						\$0			