

Memorandum

Subject: Coos District FY2007 AOP Modifications: West Fork Headlands and Little Salander Timber Sales
To: Greg Kreimeyer; Assistant District Forester
From: Norma Kline; Timber Management Unit Forester
Date: April 20, 2007

The 2006 murrelet surveys resulted in major modifications to two timber sales in the FY07 AOP. As a result of these two modifications the Mill Creek Bridge No 2 sale has been moved from alternate status into a planned fourth quarter sale. The summary tables have been updated to reflect these changes as well as the current information for timber sales prepared thus far (the final volume and value for two timber sales have not been compiled yet). The total AOP acres have increased by 59 acres for a total of 536 acres. The total volume has decreased by 2,423 MBF for a total of 20,952 MBF. The total value has decreased by \$2,158,235 for a total of \$7,884,177.

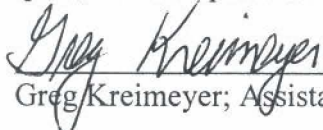
West Fork Headlands:

A significant murrelet detection in Area 3 initiated the creation of the West Fork Headlands Marbled Murrelet Management Area. This reduced the timber sale from a three unit sale totaling 60 acres and 2,304 MBF to a two unit sale totaling 29 acres and 1,015 MBF.

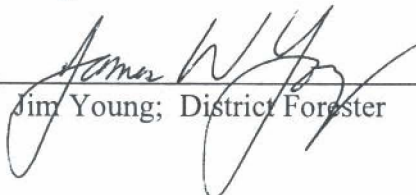
Little Salander:

After analysis of the 2006 murrelet survey results, it was determined that Area 2 and 3 would require additional surveys. The timing of these surveys would not allow the sale to proceed in the desired timeframe. Areas 2 and 3 were dropped from the FY07 sale plan and will be deferred to a future sale plan. This change reduced the timber sale from a three unit sale totaling 64 acres and 3,559 MBF to a one unit timber sale totaling 51 acres and 2,971 MBF.

Attached are old Pre-Operations Exhibit A's, the new proposed Exhibit A, and updated pre-operations report, and the updated FY07 AOP summary tables.

Approved: 
Greg Kreimeyer; Assistant District Forester

4.21.2007
Date


Jim Young; District Forester

4/25/07
Date

Pre-Operations Report

Operation Name: West Fork Headlands

County: Coos

Management Basin: 9

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	11	10
2	Clearcut	20	19
Total		31	29

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a two -unit timber sale totaling 29 net acres. This timber sale is located on the western slope of the Coast Range in the West Fork Millicoma River, Daggett and Larson Creek watersheds within Elliott State Forest Management Basin 9. This timber sale area is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 70-75 inches. Temperatures range from 32-90 degrees Fahrenheit throughout the year. This timber sale has an elevation of 660 to 1480 feet above sea level with slopes ranging from 30 percent to over 100 percent. Area 1 is dominantly a westerly aspect with some south and east faces, Area 2 has a southerly aspect with some northeast faces. Eocene sedimentary rocks underlie the area. Soil types consist of Preacher-Bohannon loams with some Milbury-Bohannon-Umpcoos associations. Slopes in all units are generally steep with some gentler terrain and benches in Area 1.

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868. It is composed of 110 year-old Douglas-fir with a minor component of red alder and scattered understory hemlock trees, and approximately 10 acres of 58 year-old Douglas-fir. Table 2 contains stocking, size and age information for all the areas in this timber sale. There are a few hard snags in the stand. Stand health is satisfactory which is typical for the Elliott Forest. The sale area is located in the current area of concern for Swiss needle cast.

Table 2. Stand Inventory Information

Area	Prescription	Veg Code ¹	Species	Age in 2004	DBH	BA	TPA	SDI	Acres ²
1	CC	1909	DF..	58	15	230	160	61	10
1	Target ³	1909	DF..	58	14	3	3	1	10
2	CC	1866	DF, CX	110	17	265	140	60	22
2	Target ³	1866	DF, CX	110	15	3	3	1	22
2	CC	1973 ⁴	DF, RA	39	10	81	79	24	8
2	Target ³	1973	DF, RA	39	11	3	3	1	8

1. The source of stand inventory information is (OSCUR) from 2000 records.

2. The acres are based on GIS, and exclude interior roads, streams buffers, reserve areas, etc.

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

4. This stand type was included with an adjacent stand that doesn't have similar characteristics; however the inventory information was documented.

III. DESIRED FUTURE CONDITION:

The desired condition is a young age class stand to provide early successional habitat in accordance with the Balanced Landscape strategy of the Elliott State Forest Management Plan. It will be composed of Douglas-fir other conifer species including hemlock and red cedar. Red alder will also naturally regenerate in the stand. Green trees retained during this operation will provide for multi-story stand structures valuable for wildlife. This mix of planted and natural regeneration will comprise the next planned rotation.

Table 3. Stand Structure Information (Does not apply Elliott State Forest)¹

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The prescription for this sale is to harvest most of the overstory, leaving standing trees within buffer areas and scattered in selected locations in or along the edge of the sale unit.

Site Preparation and Planting - Site preparation will be achieved by yarding disturbance and treating residual brush with herbicide prior to planting. The site will be planted with conifer seedlings at approximately 400-500 trees per acre.

Green Tree Retention - A minimum of about 180 trees (about 3 per acre) will be left in or adjacent to Areas 1, and 2. Emphasis will be given to retention of conifer species other than Douglas-fir. Some of these trees will be topped for snag creation. Single green trees will not be left unless localized soil conditions provide for wind firmness and logging conditions are suitable. The location of retained trees will be determined during the sale prep process. Emphasis may be given to widening riparian management areas.

Snag Retention and Creation - Existing snags within the sale area will be left, with the exception of those that endanger work crews. Tops will be blown or sawn off green trees to leave approximately 15 topped trees in Areas 1 and 2 (about one tree per 2 acres harvested).

Down Log Retention - At least 87 logs (3 logs per acre harvested) will be left in or adjacent to Areas 1 and 2 for habitat purposes in accordance with the Elliott State Forest Management Plan. Down logs shall meet the following minimum specifications: 16 feet in length and 12 inches diameter at the large end.

Burning - Portions of the sale may be burned depending on the amount and distribution of the slash and timing of sale completion. The main purpose of this type of burn is to provide for biological diversity and improved big game forage rather than site preparation. However, portions of the sale may be burned, if planting spots are too few to attain adequate stocking.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

Ownership		Sale Type	
BOF	CSL	Cash	Recovery
0%	100%		X
Planned Quarter:		2	

	Conifer	Hardwood	Total
Net Volume (MBF)	993	22	1,015
Stumpage Value (\$/MBF)	450	365	
Estimated Gross Value	446,800	8,030	454,830
		Project Costs:	41,000
		Estimated Net Value:	413,830

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to portions of Areas 1, and 2 are from the 3000 road. Winter harvesting will require purchaser supplied rock. If new landings and short access spurs are constructed in Areas 1 and 2, final locations will be determined during the sale preparation process. The rocked collector spurs are in good shape and will require only maintenance or minor improvement. The segments of the 3000 collector spur that is within/adjacent to Area 2 will be examined to determine if pullback of sidecast is necessary. Unnumbered dirt spurs in Area 1 will be evaluated for vacating and for the need for any sidecast pull back since all of these roads were built prior to full containment construction requirements. Project costs include the completion of a rock stockpile.

The sale areas will be cable yarded up hill. Full suspension will be required over stream channels and single end suspension on the remainder of the sale area. Trees will be felled parallel or away from the residual trees and Riparian Management Areas.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.15
Improve	0.0	0.0	0.0	0.0
Maintain	0.0	0.0	0.9	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

Riparian areas along streams will be managed to support properly functioning aquatic habitats over time by applying the riparian management area (RMA) standards of the Northwest Oregon State Forests Management Plan. These standards are planned for adoption in the revised Elliott State Forest Management Plan. The minimum standards used for riparian buffers are those listed in the Elliott State Forest Management Plan.

The sale area is located within the Daggett and Larson Creeks and the West Fork Millicoma River watershed. Streams associated with these sale areas have not been surveyed for fish presence and will be done during the spring of 2006. All drainages associated with the sale area were field surveyed during the 2005 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. The remaining drainages in the sale area are classified as small unknown seasonals.

There are no known water rights within or downstream of the proposed operation.

Cable layouts through or over buffer strips are needed to provide for adequate suspension of logs. To protect water quality, full suspension will be required over stream channels and single end suspension where feasible on the rest of the sale area. 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, and monitoring and managing logging and hauling operations during times of heavy rainfall.

All road construction and improvement will be done during the dry season and excavated material will be deposited on stable slope locations without the possibility of entering stream channels. Areas of bare soil associated with road and landing construction will be grass seeded when operations are completed.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The older habitat within this sale area may be suitable for certain T and E species. This sale is planned under the standards of the Elliott State Forest Management and Habitat Conservation Plans and other Oregon Department of Forestry (ODF) policy. The specific measures are as follows:

NSO Habitat Retention - There is no minimum acreage for NSO nesting, roosting, and foraging habitat in Basin 9 above the required reserve acres. Reserve acres in this basin include 1981 acres (31%) that will be continually retained in riparian management areas, habitat conservation areas and other conservancy acres. Fifty percent of this basin (3106 acres) must provide dispersal habitat. After this sale plan, there will be about 4269 acres of dispersal habitat retained which includes 113 acres of in-growth in 2006 and 73 acres of in-growth in 2007.

Marbled Murrelet - First year protocol surveys were completed in 2005 and second year surveys were completed in 2006. Areas 1 and 2 are within 330 feet of two Marbled Murrelet Management Areas. ODF's Southern Oregon Area Seasonal restrictions comply with ODF's policies for the Marbled Murrelet.

Bald Eagle, Other - There are no bald eagles or other listed animal species in the vicinity of this sale.

Salmon and Steelhead – Cable layouts through or over buffer strips are needed to provide for adequate suspension of logs. To protect water quality, full suspension will be required over stream channels and single end suspension where feasible on the rest of the sale area. Riparian areas along streams will be managed to support properly functioning aquatic habitats over time by applying the riparian management area (RMA) standards of the Northwest Oregon State Forests Management Plan. These standards are planned for adoption in the revised Elliott State Forest Management Plan.

Plants - The sale area was checked against district knowledge for any listed plant location. The sale area was also checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations. No listed plant records were identified within the sale area.

Fragmentation - The sale areas are isolated residual stands or are located on the edge of a contiguous block of mature timber and does not increase fragmentation of interior habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had an office review by an ODF geo-technical specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. Generally, portions of the slopes appear to meet criteria for classification as high landslide hazard locations (in the Tyee Core Area uniform slopes greater than 75% and/or planform concave slopes greater than 65%).

Area 1: Roads are located at the base of the steep southwest and east facing slopes; in the event a small open-slope debris flow were to occur, most of the material would likely be captured by the road. A larger flow may overwhelm the road and deliver material to downstream channels.

Area 2: There appear to be five potential debris flow tracks. Material would be likely to enter the type N portion of the West Fork Millicoma tributary. A large debris flow (or several small flows) appears capable of delivering material at least as far as the confluence with the fish-bearing reach, and possibly further.

To minimize yarding impacts on the slopes, single end suspension cable yarding will be required. Roads will be located on ridge-crests as much as possible and any steep sidehill portions will be constructed with full bench end-haul design and construction. Construction will be done during the dry season.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting of these units will provide forage area to help promote healthy deer and elk populations. In addition, areas of bare soil around road edges and landings will be grass seeded after logging to provide forage. Surrounding forest types provide escape cover. No conflict is seen with respect to the undeveloped, dispersed recreation usage of the forest.

XI. CULTURAL RESOURCES:

There are no cultural sites associated with this sale.

XII. SCENIC RESOURCES:

The units are not within any scenic management areas. There are no scenic management constraints for this sale. No significant conflicts with users are anticipated.

XIII. OTHER RESOURCE CONSIDERATIONS:

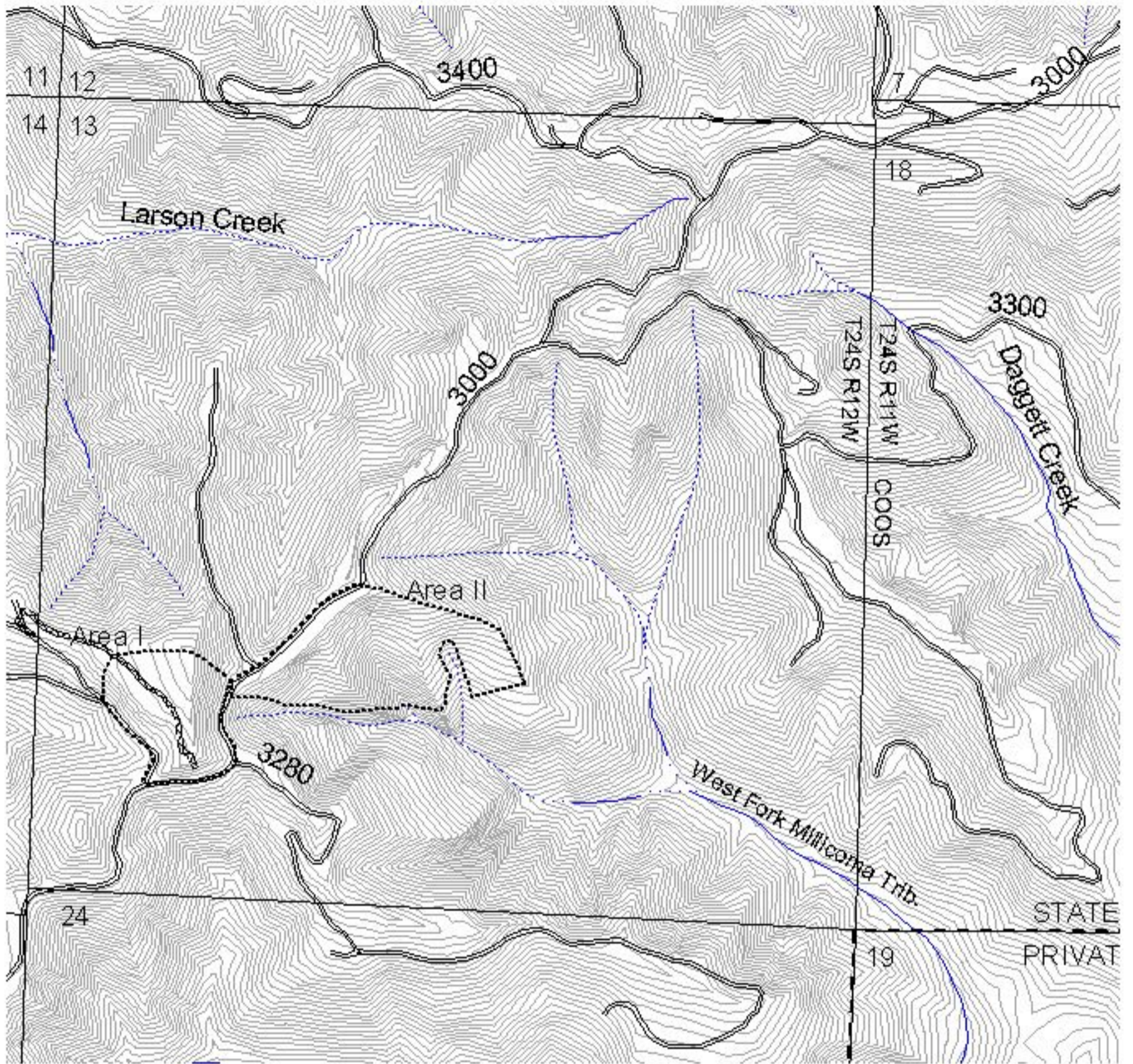
There are no other known resource considerations associated with this sale.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

Area	Production
1	10
2	19

This table summarizes the acres in each land use class within the operation.



- Timber Sale Boundary
- ODF Ownership Boundary
- Existing Roads
- Road Construction
- Type F Streams
- Type N Streams
- Unclassified
- Section Lines
- Marbled Murrelet Management Area

WEST FORK HEADLANDS TIMBER SALE
Areas 1 and 2
-- Topography --
FY 07 SALE PLAN
COOS DISTRICT



Portions of Section 13, T24S, R12W W.M.
 Coos County, Oregon

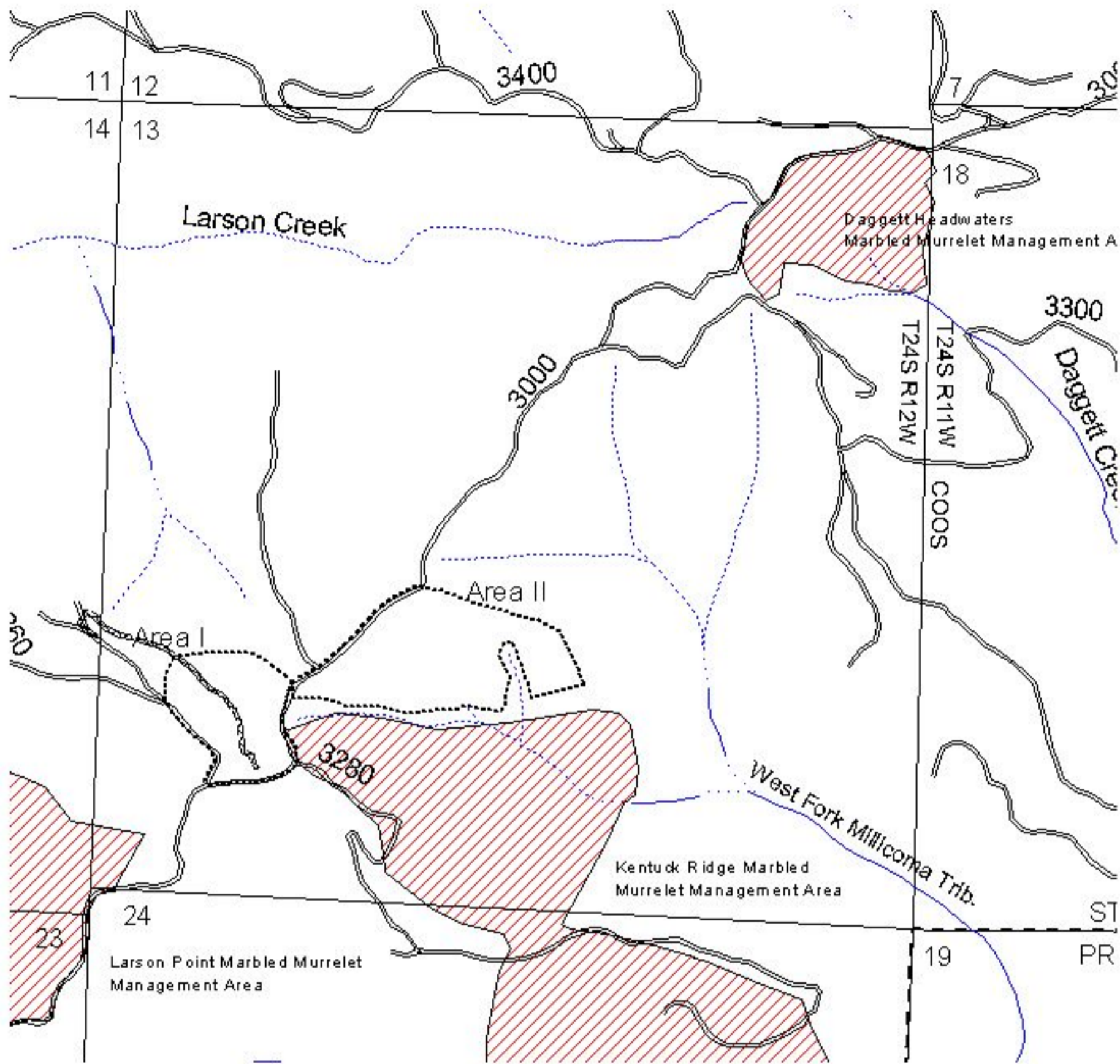
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1" = 1000'

Sale Area	Harvest Type	Net Acres
1	Clearcut	10
2	Clearcut	19
Total		29

Coos District GIS
 4/05/07

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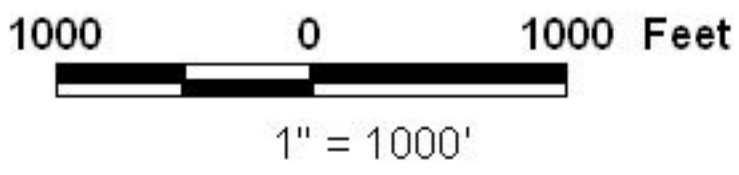


WEST FORK HEADLANDS TIMBER SALE
Areas 1 and 2
-- KEY RESOURCES --
FY 07 SALE PLAN
COOS DISTRICT

- Timber Sale Boundary
- ODF Ownership Boundary
- Existing Roads
- Road Construction
- Type F Streams
- Type N Streams
- Unclassified
- Section Lines
- Marbled Murrelet Management Area



Portions of Section 13, T24S, R12W W.M.
 Coos County, Oregon



Sale Area	Harvest Type	Net Acres
1	Clearcut	10
2	Clearcut	19
Total		29

Coos District GIS
 8/31/05

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Pre-Operations Report

Operation Name: Little Salander
County: Douglas
Management Basin: 15

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	52	51
Total		52	51

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This operation is a one-unit timber sale totaling 51 net acres. This timber sale is located on the western slope of the Coast Range in the Little Salander Creek watershed within Elliott State Forest Management Basin 15. This timber sale area is in close proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 80-85 inches. Temperatures range from 32-76 degrees fahrenheit throughout the year. This timber sale has an elevation of 880 to 1880 feet above sea level with slopes ranging from 10 percent to over 80 percent. The sale area has an easterly aspect with relatively gentle slopes. Eocene age sedimentary rocks underlie the timber sale area. All areas contain Millicoma soils; the timber sale consists of Ork and minor areas of Flournoy and Forna.

II. CURRENT STAND CONDITION:

The timber sale is second growth Douglas-fir that originated after the Coos Bay fire of 1868. It is composed of 104 to 124 year-old Douglas-fir with a minor component of red alder and scattered understory western red cedar and hemlock trees. Table 2 contains stocking, size and age information for all the areas in this timber sale. There are few hard snags in the stand. Stand health is satisfactory which is typical for the Elliott Forest. The sale area is located outside of the current area of concern for Swiss needle cast.

Table 2. Stand Inventory Information

Area	Prescription	Veg Code ¹	Species	Age in 2004	DBH	BA	TPA	SDI	Acres ²
1	CC	733	DF, WH	119	23	190	66	42	51
	Target ³	-	DF, WH		23	10	5	2	51

1. The source of stand inventory information is (OSCUR) from 2000 records.

2. The acres are based on GIS, and exclude interior roads, streams buffers, reserve areas, etc.

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

III. DESIRED FUTURE CONDITION:

The timber sale area will be prepared under the wildlife emphasis option of the Elliott management plan, providing for additional green trees, down logs, and snag creation to create and maintain forest structure for wildlife habitat. The desired condition is a young age class stand to provide early successional habitat in accordance with the Balanced Landscape strategy of the Elliott State Forest Management Plan. It will be composed of mainly Douglas-fir and may have a smaller component of other conifer species including hemlock and/or red cedar. Red alder will also naturally regenerate in the stand. Green trees retained during this operation will provide for multi-story stand structures valuable for wildlife.

Table 3. Stand Structure Information (Does not apply Elliott State Forest)¹

IV. PROPOSED MANAGEMENT PRESCRIPTION:

The prescription for this sale is to harvest most of the overstory, leaving standing trees within buffer areas and scattered in selected locations in or along the edge of the sale unit.

Site Preparation and Planting - Site preparation will be achieved by yarding disturbance and treating residual brush with herbicide prior to planting. Area 1, the wildlife emphasis unit, may require more labor intensive herbicide treatments in areas of scattered green trees. The site will be planted with conifer seedlings at approximately 400-500 trees per acre, reduced planting densities may occur under concentrations of scattered green trees.

Green Tree Retention - At least 255 (about 5 per acre harvested) will be left in or adjacent to Area 1. Emphasis will be given to retention of conifer species other than Douglas-fir. Some of these trees will be topped for snag creation. Single green trees will not be left unless localized soil conditions provide for wind firmness and logging conditions are suitable. The green trees are clumped and scattered throughout the sale area

Snag Retention and Creation - Existing snags within the sale area will be left, with the exception of those that endanger work crews. Tops will be blown or sawn off green trees to leave approximately 102 topped trees (about 2 trees per acre harvested).

Down Log Retention - At least 255 logs (5 logs per acre harvested) will be left in for habitat purposes in accordance with the Elliott State Forest Management Plan. Down logs shall meet the following minimum specifications: 16 feet in length and 12 inches diameter at the large end.

Burning - Portions of the sale may be burned depending on the amount and distribution of the slash and timing of sale completion. The main purpose of this type of burn is to provide for biological diversity and improved big game forage rather than site preparation. However, portions of the sale may be burned, if planting spots are too few to attain adequate stocking.

V. ESTIMATED TIMBER AND REVENUE OUTPUTS:

Table 4. Timber and Revenue

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

	Conifer	Hardwood	Total
Net Volume (MBF)	2,968	3	2,971
Stumpage Value (\$/MBF)	450	365	
Estimated Gross Value	1,335,600	1,095	1,336,695
		Project Costs:	\$9,250
		Estimated Net Value:	\$1,327,445

VI. HARVESTING AND ACCESS CONSIDERATONS:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access to all sale areas is from the 7800 road, a rocked collector road. The 7800 road is in good shape and will require only maintenance or minor improvement, including the replacement of a culvert to improve fish passage. Existing spurs accessing the timber sale area will be evaluated to determine if pullback of sidecast is necessary. Winter harvesting will require purchaser supplied rock. Existing roads and landings in some locations will be improved to allow operations. Additional landings and short access spurs may be constructed if necessary to facilitate logging.

The sale areas will be cable yarded uphill with portions of the sale accommodating ground-based equipment. Full suspension will be required over stream channels and single end suspension on the remainder of the sale area. Trees will be felled parallel or away from the residual trees and Riparian Management Areas.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0.0	0.0	0.0	0.0
Improve	0.0	0.0	.32	0.0
Maintain	0.0	4.5	0.0	0.0
Close/Block	0.0	0.0	0.0	0.0
Vacate	0.0	0.0	0.0	0.0

VII. AQUATIC RESOURCES AND WATER QUALITY:

Riparian areas along streams will be managed to support properly functioning aquatic habitats over time by applying the riparian management area (RMA)

standards of the Northwest Oregon State Forests Management Plan. These standards are planned for adoption in the revised Elliott State Forest Management Plan. The minimum standards used for riparian buffers are those listed in the Elliott State Forest Management Plan.

The sale area is located within the Little Salander Creek watershed, which flows directly into Loon Lake. Little Salander Creek is a medium Fish stream. All drainages associated with the sale area were field surveyed during the 2005 summer low flow period to determine the stream channel extent and whether streamflow is perennial or seasonal. The timber sale area has two small intermittent stream flowing from it. There are no known water rights within or downstream of the proposed operation.

To protect water quality, full suspension will be required over stream channels and single end suspension where feasible on the rest of the sale area. 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, and monitoring and managing logging and hauling operations during times of heavy rainfall.

All road construction and improvement will be done during the dry season and excavated material will be deposited on stable slope locations without the possibility of entering stream channels. Areas of bare soil associated with truck roads and landing construction will be grass seeded when operations are completed.

VIII. WILDLIFE AND T&E SPECIES CONSIDERATIONS:

The habitat within this sale area may be suitable for certain T and E species. This sale is planned under the standards of the Elliott State Forest Management and Habitat Conservation Plans and other Oregon Department of Forestry (ODF) policy. The specific measures are as follows:

NSO Habitat Retention:

Basin 15 - Basin 15 has an 80 year target harvest age. There is no minimum acreage for NSO nesting, roosting, and foraging habitat in this basin above the required reserve acres. Reserve acres in this basin include 2293 acres (47%) that are being retained in habitat conservation areas, riparian management areas, and other reserve areas. Fifty percent of the basin (2328 acres) must provide dispersal habitat. After this sale plan, there will be about 2710 acres of dispersal habitat retained which includes 3 acres of in-growth in 2006.

Marbled Murrelet - The sale areas were surveyed according to protocol standards during the 2005 and 2006 survey seasons. The sale is a quarter mile of the South Umpcoos Marbled Murrelet Management Area. Seasonal

restrictions comply with ODF's policies for the Marbled Murrelet.

Bald Eagle, Other - There are no bald eagles or other listed animal species within this sale.

Salmon and Steelhead – There are no salmon or steelhead located in the stream reaches associated with this sale area due to natural barriers below Loon Lake. Cable layouts through or over buffer strips need to provide for adequate suspension of logs. To protect water quality, full suspension will be required over stream channels and single end suspension where feasible on the rest of the sale area. Riparian areas along streams will be managed to support properly functioning aquatic habitats over time by applying the riparian management area (RMA) standards of the Northwest Oregon State Forests Management Plan. These standards are planned for adoption in the revised Elliott State Forest Management Plan.

Plants - The sale area was checked against district knowledge for any listed plant location. The sale area was also checked against the Oregon Natural Heritage Program (ONHP) database of known listed plant locations. No listed plant records were identified within the sale area.

Fragmentation – The timber sale area bisects contiguous timber that is adjacent to the timber sale on the northwest boundary. This area was chosen because suitable substitutes were not available; alternative choices within this basin would violate FPA green-up or increase fragmentation of interior habitat considered important to the Salander Creek owls.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had an office review by an ODF geo-tech specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. One stream drains this unit. The channel is relatively flat and drains into a fire control pond after crossing the 7800 road.

To minimize yarding impacts on the slopes, single end suspension cable yarding will be required. Roads will be located on ridge-crests as much as possible and any steep sidehill portions will be constructed with full bench end-haul design and construction. Construction will be done during the dry season.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting of these units will provide forage area to help promote healthy deer and elk populations. In addition, areas of bare soil around road

edges and landings will be grass seeded after logging to provide forage. Surrounding forest types provide escape cover. No conflict is seen with respect to the undeveloped, dispersed recreation usage of the forest.

XI. CULTURAL RESOURCES:

There are no cultural sites associated with this sale.

XII. SCENIC RESOURCES:

The timber sale is classified as scenic production land. Retention trees are placed to minimize visual impacts to the BLM's Loon Lake Recreation Area.

XIII. OTHER RESOURCE CONSIDERATIONS:

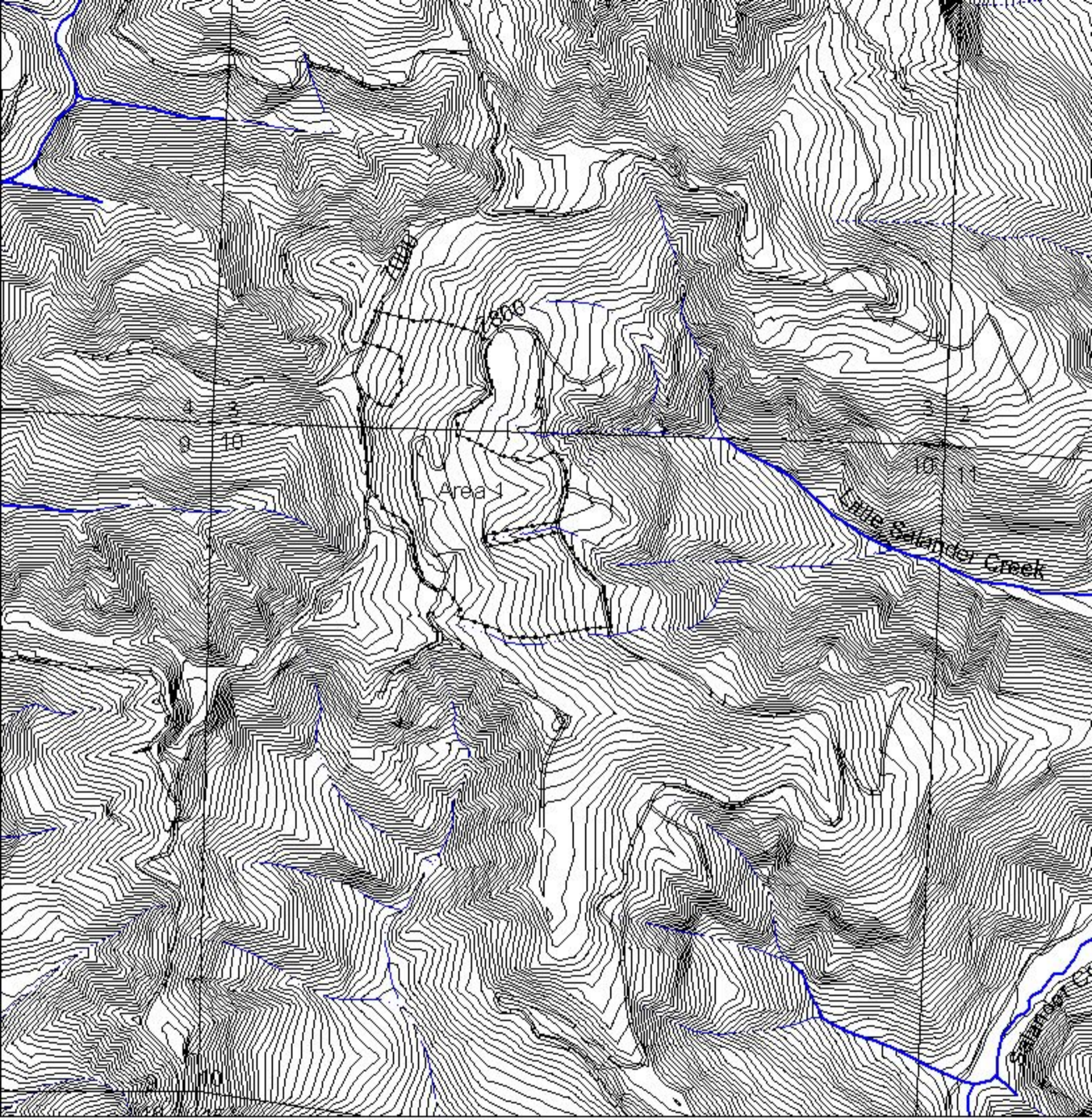
There are no other resource considerations.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY:

Table 6. Land Use Classification Summary

This table summarizes the acres in each land use class within the operation.

Area	Production	Scenic Production
1	0	51



LITTLE SALANDER TIMBER SALE
 --TOPOGRAPHY--
 FY 07 SALE PLAN
 COOS DISTRICT
 Portions of Sections 3 and 10,
 T23S, R10W, W.M.
 Douglas County, Oregon

Area 1: 51 net acres

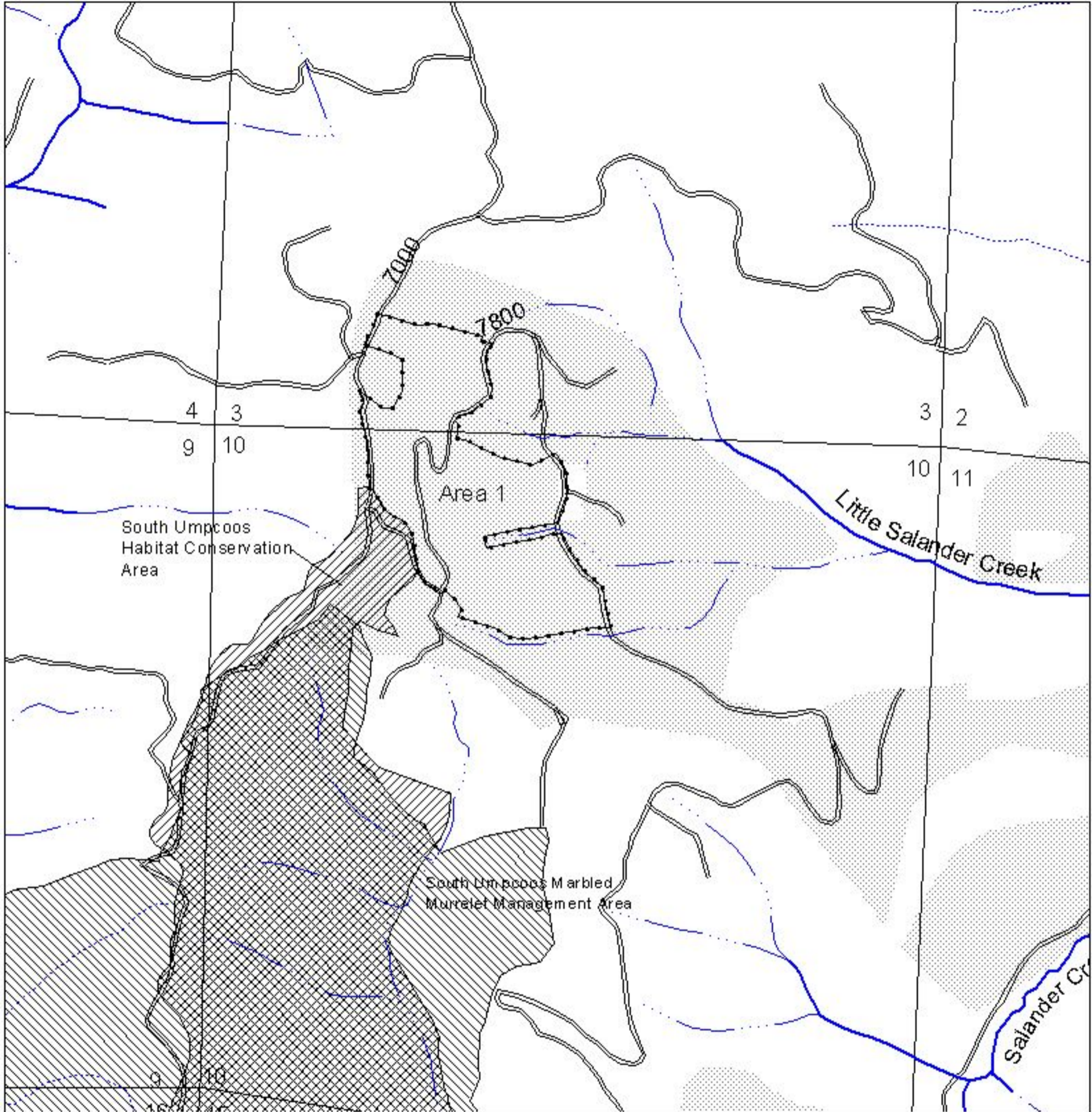


Coos District GIS
 4-5-2007

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- Streams
- Type F
- Type N
- Unknown
- Timber Sale Boundary
- Section Lines
- Existing Roads
- 20' Contours



LITTLE SALANDER TIMBER SALE
 --KEY RESOURCES--
 FY 07 SALE PLAN
 COOS DISTRICT
 Portions of Sections 3 and 10,
 T23S, R10W, W.M.
 Douglas County, Oregon

Area 1: 51 net acres



Coos District GIS
 4-5-2007

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1000 0 1000 Feet



- Streams
- Type F
 - Type N
 - Unknown
 - Habitat Conservation Area
 - Marbled Murrelet Management Area
 - Timber Sale Boundary
 - Section Lines
 - Existing Roads
 - Landuse
 - SCENIC PRODUCTION

TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: Coos

Fiscal Year: 2007

Date: 04/20/2007

Operation	Payment Type	Fund %		County	Sale Quarter	Net Acres		Volume (MBF)			Value			
		BOF	CSL			Partial Cut	Clear-cut	Con-ifer	Hard-woods	Total	Gross	Projects	Net	
Joe Knife*	R	0%	100%	Douglas	1	0	50	2,876	135	3,057	\$1,167,098	\$64,164	\$1,102,934	
Umpcoos Ridge	R	0%	100%	Douglas	3	0	49	2,695	58	2,753	\$1,233,920	\$44,400	\$1,189,520	
Little Salander ¹	R	0%	100%	Douglas	4	0	51	2,968	3	2,971	\$1,205,236	\$9,250	\$1,195,986	
Western Knife* ²	R	39%	61%	Cs/Doug	2	0	83	4,685	134	4,819	\$1,891,743	\$62,143	\$1,829,600	
Piledup Marlow* ³	R	71%	29%	Coos	2	0	80	1,639	182	1,821	\$692,738	\$41,431	\$651,307	
South Marlow Switch* ⁴	R	100%	0%	Coos	4	0	82	2,331	122	2,453	\$1,097,750	\$60,000	\$1,037,750	
West Fork Headlands ⁵	R	0%	100%	Coos	2	0	29	993	22	1,015	\$454,830	\$41,000	\$413,830	
Mill Creek Bridge No. 2 ⁶	R	0%	100%	Douglas	4	0	112	2,000	63	2,063	\$509,450	\$46,200	\$463,250	
Total:								536	20187	719	20952	8,252,765	368,588	7,884,177

Alternate Operations

Double Barrell	R	0%	100%	Douglas	alternat	0	91	1,209	106	1,315	\$318,150	\$70,000	\$248,150
Young Howell	R	0%	100%	Cs/Doug	alternat	0	71	1,150	80	1,230	\$328,250	\$27,000	\$301,250

* - Updated values are based on contract preparation and are not a result of a major AOP modification

*2, *3 - Decrease in volume is due to a volume overestimation in the presale document compared to the actual cruise data.

*4 - Reduction in acres and volume is due to the loss of a portion of the sale area due to a murrelet detection

1, 5 - Updated values are the result of the documented major AOP modification due to murrelet detections.

6 - Mill Creek Bridge No. 2 was moved up from an alternate status as a result of the major modification

YOUNG STAND MANAGEMENT SUMMARY

COOS

Fiscal Year: 2007

Date: 12/12/2005

Operation	BOF %	CSL %	Estimated Acres	Cost/Acre	Estimated Total Cost	Comments
Rehabilitation	0%	0%			\$0	
Site Preparation						
Slash Burning		100%	50	\$100	\$5,000	
Chemical Site Prep.	9%	91%	260	\$77	\$20,020	
Planting						
Initial Planting	9%	91%	300	\$240	\$72,000	
Interplanting	44%	56%	200	\$175	\$35,000	
Underplanting	0%	0%	0	\$0	\$0	
Vegetation Management						
Scotch Broom Control	9%	91%	110	\$55	\$6,050	Mostly basin 16
(Activity)					\$0	
Tree Protection						
Trapping	9%	91%	900	\$20	\$18,000	
Tubing	0%	100%	0	\$171	\$0	
Precommercial Thinning	0%	100%	100	\$100	\$10,000	
Fertilization	0%	0%	0	0	\$0	
Pruning	0%	0%	0	0	\$0	
(Other)					\$0	

Total: \$166,070

RECREATION MANAGEMENT SUMMARY

District: COOS

Fiscal Year: 2007

Date: 12-12-2005

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						\$5,000.00		\$5,000	Maintain/Improve
Day Use Areas									\$0	
Trailheads									\$0	
Interpretive Sites (Other)	Sites								\$0	
Trails										
Non-Motorized	Miles								\$0	
Motorized	Miles								\$0	

Total: \$5,000