

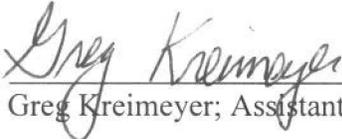
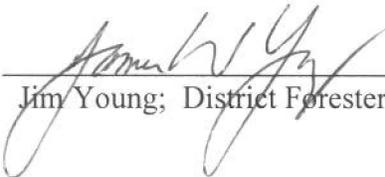
Memorandum

Subject: Coos District FY2008 AOP Modification: Double Barrel
To: Greg Kreimeyer; Assistant District Forester
From: Norma Kline; Timber Management Unit Forester
Date: April 24, 2008

Double Barrel was originally proposed as a 2 unit sale totaling 87 acres. During sale preparation work it was determined that the project work required to access the 22 acre Area 1 was cost prohibitive. The engineering unit recommended that Area 1 should be dropped because the value of the young timber in Area 1 would not compensate for the high cost of the road.

The proposed modification results in a 66 acre unit which was the original Area 2. The actual sale acreage is 66 acres, compared to 87 planned acres. Actual volume is 1,177 MBF, compared to 813 MBF estimated in the AOP.

Attached are old Pre-Operations Exhibit A's, the new proposed Exhibit A, and updated pre-operations report, and the updated FY08 AOP summary tables.

Approved:		<u>4.28.2008</u>
	Greg Kreimeyer; Assistant District Forester	Date
		<u>4/28/08</u>
	Jim Young; District Forester	Date

Pre-Operations Report

Operation Name: Double Barrel
County: Douglas
Management Basin: 1

Table 1. Operation Areas, Types and Acres

Area	Type of Operation	Gross Acres	Net Acres
1	Clearcut	74	66
Total		74	66

I. PHYSICAL DESCRIPTION OF OPERATION AREA:

This timber sale is located on the western slope of the Coast Range in Double Barrel watershed, and is within Elliott State Forest Management Basin 1. The timber sale area is in general proximity to the Pacific Ocean, which has a dominant influence on the climate. The average annual rainfall is between 95-105 inches. Temperatures range from 32 to 76 degrees Fahrenheit throughout the year. This timber sale has an elevation of 800 - 1800 feet above sea level with slopes from less than 10% to over 70%. The dominant aspect is east to northwest. Eocene age sedimentary rocks underlie the area. Generally the area is highly dissected with steep hill slopes, narrow ridgetops and confined canyons. Soils in the sale area are mapped as Preacher-Bohannon.

II. CURRENT STAND CONDITION:

The timber sale is 37 to 41 year second growth Douglas-fir with a minor component of red alder and scattered understory hemlock trees. There are few hard snags in the stand.

Table 2. Stand Inventory Information

Area	Prescription	Stand ID ¹	Species	Age In 2006	DBH	BA	TPA	SDI	Acres ²
1	Clearcut	769	DF	44	13	152	223	43	66
	Target ³		WH,DF	37	12	3	3.5	1	66

1. The source of stand inventory information is (SLI) from current 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 STAND 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 mainly Douglas-fir with a smaller component of other conifer species including hemlock and red cedar. Red alder will also naturally regenerate in the stand. Green trees retained from the previous rotation 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 to Elliott State Forest)

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 Planning - 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 500 trees per acre. Species mix is planned to be about 85% Douglas-fir and 15% hemlock and/or western red cedar.

Green Tree Retention - A minimum of 292 trees (about 4.5 per acre harvested, including snag recruitment) will be left in or adjacent to the sale area. Emphasis will be given to retention of conifer species other than Douglas-fir. 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 - This sale is categorized as a young stand timber sale and has very little to no existing snag component, therefore the Green Tree Retention requirements have been increased from 3 trees per acre to 4.5 trees per acre. Snag creation will not be conducted on this sale due to the size and age of the residual timber. This deviation in snag creation from the HCP is documented in a May 25, 2006 correspondence with the United States Fish and Wildlife Service.

Down Log Retention - At least 195 logs (3 logs per acre harvested) will be left in or adjacent to the sale area 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. Down logs shall be left in stable locations to minimize safety concerns to tree planters

and other forest workers.

V. ESTIMATED TIMBER AND REVENUE INFORMATION:

Table 4. Timber and Revenue

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

	Conifer	Hardwood	Total
Net Volume (MBF)	1143	34	1177
Stumpage Value (\$/MBF)	\$148	\$240	
Estimated Gross Value	\$169,164	\$8,160	\$177,324
		Project Costs:	\$12,715
		Estimated Net Value:	\$164,609

VI. TRANSPORTATION PLANNING AND HARVESTING:

All legal access to the sale is obtained and there are no property lines needing to be surveyed. Access is by all weather surfaced state maintained roads with the 7000 classified as a collector and the 7700. The existing roads are in good shape and will require only maintenance and or minor improvement. No roads associated with this sale will be decommissioned because of planned future use.

A short spur road (200 feet) will be constructed on a ridge top to provide for best suspension for uphill skyline logging with single end and full log suspension. Spurs will be constructed to the minimum standard of 14 feet with no ditch unless winter work will be planned. If Purchaser plans winter harvesting work, purchaser may be required to upgrade surface and drainage. Upgrades may include ditches, cross drains and rock. After log hauling each year, the low use spur into the sale area will be water-barred and blocked. The sale area will be cable yarded uphill. Full suspension will be required over stream channels and single end suspension on the rest of the sale area. Trees will be felled parallel or away from the residual trees and Riparian Management Areas. Harvesting options were chosen to provide appropriate resource protection while minimizing logging costs.

Table 5. Transportation Management Summary (Miles).

Activity	Mainline	Collector	Rocked Spur	Dirt Spur
Construct	0	0	0	.06
Improve	0	0	0	0
Maintain	.7	0	0	.06
Close/Block	0	0	0	.06
Vacate	0	0	0	0

VII. AQUATIC RESOURCES AND WATER QUALITY:

The sale area is located within the Double Barrel watershed, which is a small perennial N tributary to Mill Creek. All streams associated with this sale were surveyed to ODFW protocol for fish presence in 2004. All drainages associated with the sale area were field surveyed during the 2004 summer low flow period to determine the stream channel extent and whether stream flow is perennial or seasonal. There is a small Type N perennial stream flowing from the sale area. This stream terminates as a Type N seasonal. There are also 5 other Type N seasonal streams within the sale area.

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

VIII. WILDLIFE and T&E SPECIES CONSIDERATIONS:

The habitat within this sale area was determined to be non-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 – This timber sale does not involve the harvest of NSO nesting, roosting, and foraging habitat, the age of timber is 41 years and less. Fifty percent of this basin's total acres (2576) must provide dispersal habitat. After this sale plan, there will be approximately 3927 acres of dispersal habitat retained.

Marbled Murrelet - This sale does not contain marbled murrelet habitat but is within 330 feet of potential suitable habitat. There are no Marbled Murrelet Management Areas within 330 feet or one-quarter mile of the sale. ODF's Southern Oregon Biologist will prepare a Murrelet survey waiver and determine the application of seasonal restrictions during sale layout to 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 – The sale does not immediately border any type F streams.

Plants - No listed plant records were identified within the sale area.

Fragmentation - The sale area is a young stand and harvesting it will not increase fragmentation of interior mature forest habitat.

IX. SLOPE STABILITY AND GEOTECHNICAL ISSUES:

This sale area has had a map review by an ODF geotechnical specialist. A closer examination will be made during the sale layout process to determine if other site specific protection measures will be necessary. Slopes in the sale area meet HLHL criteria. The basin which bisects the sale area is the headwaters of Double Barrel creek, a type N perennial. A debris flow originating in this basin reached Mill Creek in the November 1996 storm. Retention of additional trees to meet debris flow track reach management standards does not apply due to the location of Mill Creek Road at the base of the drainage, and the small size of the trees would not be effective structural components if delivered to mill creek.

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. Portions of the 7000 and 7700 roads that lie within or adjacent to the sale area will be checked for unstable sidecast from the original road construction. Unstable sidecast will be pulled back and placed in a stable location.

X. RECREATION RESOURCES:

The most common recreation for this area is hunting and dispersed undeveloped recreation. Harvesting this unit 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 in the forest.

XI. CULTURAL RESOURCES:

There are no cultural sites associated with this sale.

XII. SCENIC RESOURCES:

The unit is in the proximity of a scenic (production) management area. There are no scenic management constraints for this sale.

XIII. OTHER RESOURCE CONSIDERATIONS (Property Corner):

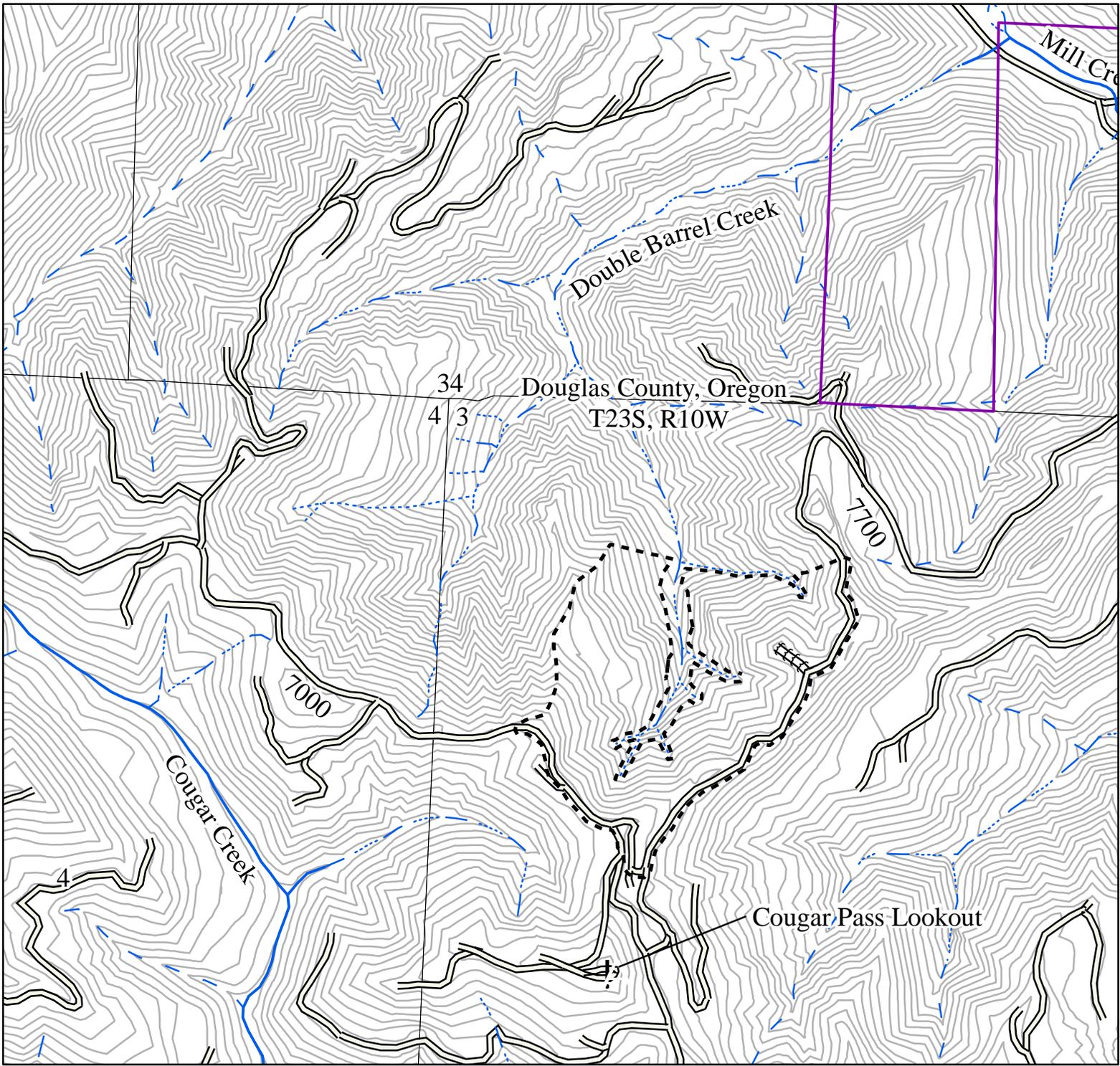
The Closing Corner for sections 3 and 4 was restored in 1962 by ODF. Measures will be taken to protect this original corner.

XIV. LAND MANAGEMENT CLASSIFICATION SUMMARY*:

Table 6. Land Use Classification Summary

Area	Production
I	66

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



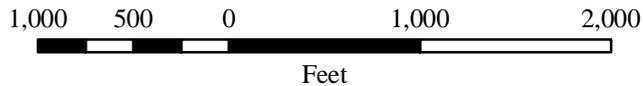
LEGEND

- Elliott State Forest Boundary
- - - Timber Sale Boundary
- Type F Perennial
- · - · Type N Perennial
- · - · Type N Seasonal
- - - Unclassified
- Roads
- New Road Construction
- Section Lines
- 40 Foot Contours

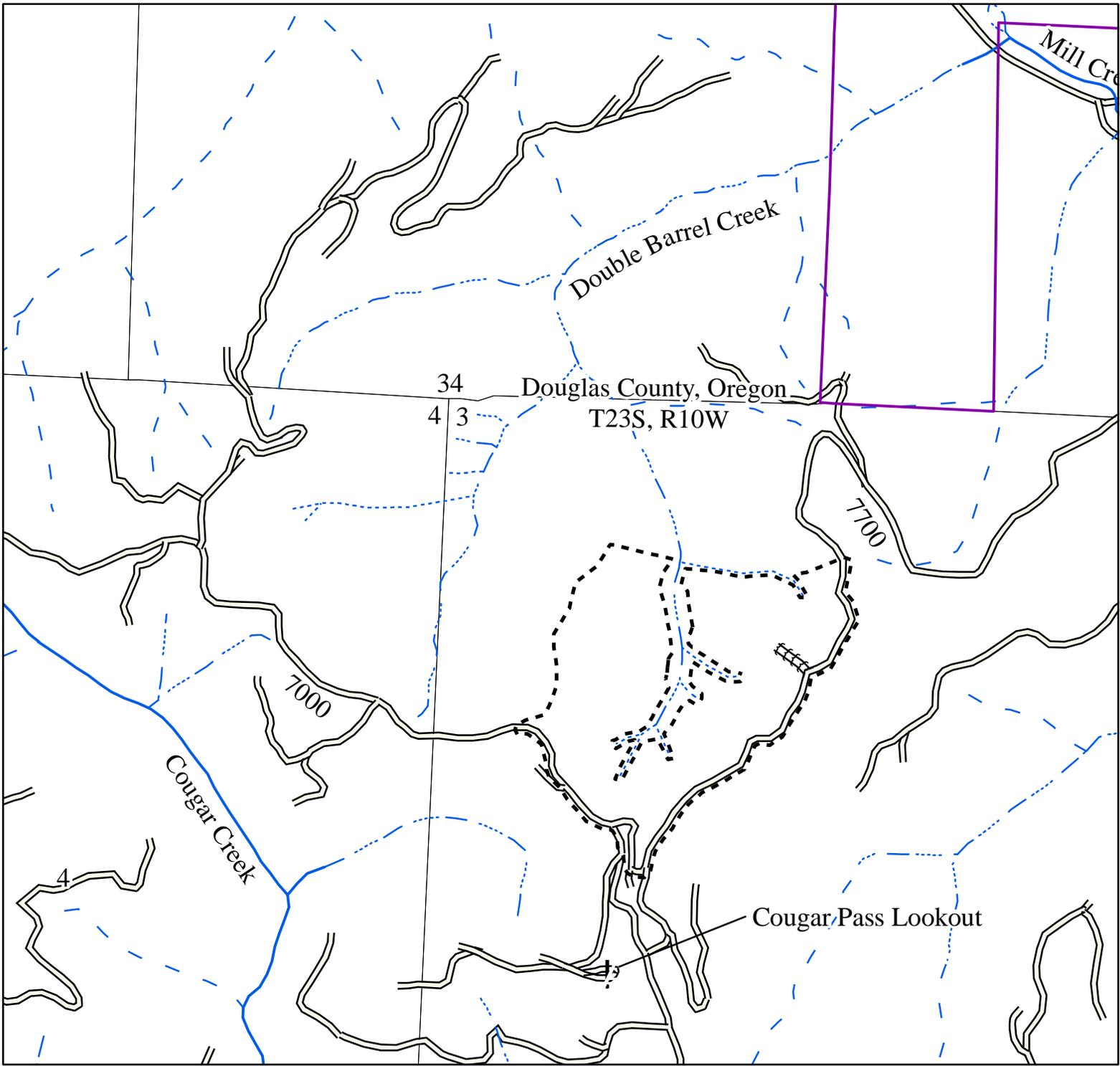
--EXHIBIT A TOPOGRAPHY--

DOUBLE BARREL
 FY 08 SALE PLAN
 COOS DISTRICT
 PORTIONS OF SECTION 3,
 T23S, R10W, W.M.
 DOUGLAS COUNTY, OREGON

Sale Area	Harvest Type	Net Acres
1	CC	66
Total		66



06/14/2006
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 for legal, or surveying purposes.



-- EXHIBIT C KEY RESOURCES --

LEGEND

- Elliott State Forest Boundary
- Timber Sale Boundary
- Type F Perennial
- Type N Perennial
- Type N Seasonal
- Unclassified
- Roads
- New Road Construction
- Section Lines

DOUBLE BARREL
FY 08 SALE PLAN
COOS DISTRICT
PORTIONS OF SECTION 3,
T23S, R10W, W.M.
DOUGLAS COUNTY, OREGON

Sale Area	Harvest Type	Net Acres
1	CC	66
Total		66



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TIMBER HARVEST OPERATIONS - FINANCIAL SUMMARY

District: Coos

Fiscal Year: 2008

Date:

Jun-07

Operation	Payment Type	Fund %		County	Sale Quarter	Net Acres		Volume (MMBF)			Value		
		BOF	CSL			Partial Cut	Clear-cut	Conifer	Hardwoods	Total	Gross	Projects	Net
Larson Creek No. 2	R	1%	99%	Coos	1		47	1.65	0.03	1.7	\$578,630	\$10,000	\$568,630
Fishing Cougar	R	0%	100%	Coos/Dgls	2		71	3.91	0.04	3.9	\$1,758,710	\$20,500	\$1,738,210
Panther Headwaters No 3	R	0%	100%	Coos	3		61	3.35	0.06	3.4	\$1,532,745	\$38,000	\$1,494,745
Double Barrell	R	0%	100%	Douglas	4		66	1.10	0.03	1.1	\$220,050	\$41,000	\$179,050
North Buck	R	0%	100%	Coos	2		57	3.14	0.04	3.2	\$1,424,358	\$15,000	\$1,409,358
Piledup Marlow No 2	R	86%	14%	Coos	3		92	1.96	0.50	2.5	\$1,062,000	\$144,000	\$918,000
Umpcoos Ridge No 2	R	0%	100%	Douglas	3		79	3.18	0.03	3.2	\$1,441,295	\$24,605	\$1,416,690
Howell About Combo	R	0%	100%	Coos/Dgls	4	354	82	2.70	0.01	2.7	\$690,000	\$35,000	\$655,000
											(stockpile) ¹	\$216,000	

Total:	354	555	21.0	0.7	21.7	8,707,788	544,105	8,163,683
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Alternate Operations

Dean Mountain Overlook	R	0%	100%	Douglas	alternate		37	0.74	0.01	0.8	\$238,600	\$11,000	\$227,600
Big Salander	R	0%	100%	Douglas	alternate		37	2.10	0.01	2.1	\$967,500	\$15,000	\$952,500
Young Marlow	R	100%	0%	Coos	alternate		117	1.6	0.02	1.6	\$1,155,000	\$59,650	\$1,095,350

1 - Rock stockpile: \$27/c.y. locations will be determined during sale preparation.

FOREST ROADS SUMMARY

District: Coos

Fiscal Year: 2008

Date: 06/01/2007

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					
Larson Creek No. 2			0.1	\$10,000		\$10,000	\$578,630	1.7%	
Fishing Cougar	0.15	20,500				\$20,500	\$1,758,710	1.2%	
Panther Headwaters No 3	0.1	38000				\$38,000	\$1,532,745	2.5%	
Double Barrell	0	0	0.06	12715		\$12,715	\$220,050	5.8%	
North Buck	0.1	12000	0.53	3000		\$15,000	\$1,424,358	1.1%	
Piledup Marlow No 2	1.5	120,000	1.6	24000		\$144,000	\$1,062,000	13.6%	
Umpcoos Ridge No 2	0.1	20000	0.1	4,605		\$24,605	\$1,441,295	1.7%	
Howell About Combo			6.23	35000		\$35,000	\$690,000	5.1%	
Rock Stockpile					216,000	\$216,000			\$27/c.y.
						\$0			
						\$0			
						\$0			
						\$0			
						\$0			
						\$0			

Total:	\$515,820	\$8,707,788	5.9%
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Alternate Operations

Dean Mountain Overlook			1.1	11,000		\$11,000	\$238,600	4.6%	
Big Salander	0.22	10,000	0.17	5000		\$15,000	\$967,500	1.6%	
Young Marlow	0.12	50000	0.36	9650		\$59,650	\$1,155,000	5.2%	

Road Projects Not Associated with Commercial Forest Management Operations

						\$0			
						\$0			
						\$0			

Reforestation and Young Stand Management Report

District COOS

Fiscal Year: 2008

Date: 6/1/2007

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	20	\$350.00	\$7,000.00	395	\$350.00	\$138,250.00	415	\$145,250.00
Interplanting	0	\$0.00	\$0.00	40	\$205.00	\$8,200.00	40	\$8,200.00
Underplanting	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Tree Protection-Barriers	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Tree Protection-Direct Control	30	\$35.00	\$1,050.00	890	\$35.00	\$31,150.00	920	\$32,200.00
Site Prep-Chemical- Aerial	17	\$75.00	\$1,275.00	335	\$75.00	\$25,125.00	352	\$26,400.00
Site Prep-Chemical- Hand	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Site Prep -Slash Burning	0	\$0.00	\$0.00	50	\$75.00	\$3,750.00	50	\$3,750.00
Site Prep -Mechanical	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Fertilization	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Noxious weeds	5	\$50.00	\$250.00	35	\$50.00	\$1,750.00	40	\$2,000.00
Release-Chemical- Aerial	10	\$50.00	\$500.00	50	\$50.00	\$2,500.00	60	\$3,000.00
Release,-Chemical-Hand	0	\$0.00	\$0.00	60	\$130.00	\$7,800.00	60	\$7,800.00
Release-Mechanical-Hand	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Precommercial Thinning	20	\$125.00	\$2,500.00	200	\$125.00	\$25,000.00	220	\$27,500.00
Pruning	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Other	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00
Totals	102	--	\$12,575.00	2,055	--	\$243,525.00	2,157	\$256,100.00

*Planting costs include all costs including seedlings

RECREATION MANAGEMENT SUMMARY

District: Coos

Fiscal Year:

2008

Date:6/1/2007

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		\$0	
Day Use Areas									\$0	
Trailheads									\$0	
Interpretive Sites									\$0	
(Other)	Sites								\$0	
Trails										
Non-Motorized	Miles								\$0	
Motorized	Miles								\$0	

Total: \$0