



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Cost Summary Central Elliott Thin Sale 341-02-032

District: Coos

Date: 7/3/01

	Conifer	Hardwood	Total
<b>Gross Timber Sale Value</b>	\$117,890.52	\$1,441.68	\$119,332.20
		<b>Project Work</b>	(\$36,962.00)
		<b>Advertised Value</b>	\$82,370.20



# Timber Sale Appraisal Timber Description Central Elliott Thin Sale 341-02-032

"STEWARDSHIP IN FORESTRY"

**District:** Coos

**Location:** Portions of secs. 10, 11, 12, 15, & 26 T23S, R11W, Coos Co. OR and secs. 25 & 35, T22S, R11W, Douglas Co. OR

**Date:** 7/3/01

**Stand Stocking:** 40%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	10	0	95
Alder (Red)	10	0	90

Volume by Grade	Douglas - Fir	Alder (Red)	Total
3S	391	0	391
4S	346	0	346
Camprun	0	12	12
<b>Total</b>	<b>737</b>	<b>12</b>	<b>749</b>

**Comments:** Pond Values Used: 2nd Quarter 2001

Automark thinning, 207 acres gross, 164 acres net



# Timber Sale Appraisal Logging Conditions Central Elliott Thin Sale 341-02-032

"STEWARDSHIP IN FORESTRY"

---

**Combination#: 1**      Douglas - Fir      85.00%  
                         Alder (Red)      85.00%

**Yarding Distance:** Short (400 ft)      **Downhill Yarding** No  
**Logging System:** Cable: Small Tower <=40      **Process:** Manual Delimiting  
**Tree Size:** Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF  
**Loads/Day:** 3      **Bd. Ft./Load:** 3,500  
**Cost/MBF:** \$245.53

**Machines:**  
    Log Loader (A)  
    Tower Yarder (Small)

**Combination#: 2**      Douglas - Fir      15.00%  
                         Alder (Red)      15.00%

**Yarding Distance:** Short (400 ft)      **Downhill Yarding** No  
**Logging System:** Wheel Skidder      **Process:** Manual Falling/Delimiting  
**Tree Size:** Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF  
**Loads/Day:** 4      **Bd. Ft./Load:** 3,500  
**Cost/MBF:** \$214.34

**Machines:**  
    Log Loader (B)  
    Tire Skidder



# Timber Sale Appraisal Logging Costs Central Elliott Thin Sale 341-02-032

"STEWARDSHIP IN FORESTRY"

Date: 7/3/01

Operating Seasons: 1.0

Profit & Risk: 15%

Project Costs: \$36,962

Other Costs (P/R): \$8,197

Slash Disposal: \$0

Other Costs: \$1,498

Road Maintenance: \$0.00

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
1.5	1.9	0.0	0.0

**Hauling Costs**

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$0.00	3.0	3.5
Alder (Red)	\$0.00	3.0	3.0



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Logging Costs Breakdown Central Elliott Thin Sale 341-02-032

Costs	Douglas - Fir	Alder (Red)
<b>Logging</b>	240.85	240.85
<b>Road Maintenance</b>	1.51	1.60
<b>Fire Protection</b>	3.62	3.62
<b>Hauling</b>	46.11	56.78
<b>Other (P/R appl.)</b>	10.94	10.94
<b>Profit &amp; Risk</b>	45.45	47.07
<b>Slash Disposal</b>	0.00	0.00
<b>Scaling</b>	2.00	2.00
<b>Other</b>	2.00	2.00
<b>Total</b>	352.48	364.86

<b>Amortization</b>	0.00	0.00
<b>Pond Value</b>	512.44	485.00
<b>Stumpage</b>	159.96	120.14
<b>Amortized</b>	0.00	0.00



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Summary Central Elliott Thin Sale 341-02-032

---

## Amortized

	Douglas - Fir	Alder (Red)
MBF	0.00	0.00
Value	0.00	0.00
Total	0.00	0.00

## Unamortized

	Douglas - Fir	Alder (Red)
MBF	737.00	12.00
Value	159.96	120.14
Total	117,890.52	1,441.68

## Gross Timber Sale Value

**Recovery \$119,332.20**

Prepared by: Jon Haynes

Date: 7/3/01

District: Coos

Phone: (541) 267-1759

## Summary of "Other Costs" for Timber Sale Appraisals

Sale Name: Central Elliott Thin

### Additional "Other Cost" with additional profit and risk to be added:

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
<b>Felling</b>				
Felling of unmerch material	MBF	749	\$ 2.00	\$ 1,498.00
<b>Yarding and Loading</b>				
Brand and paint logs	MBF	749	\$ 1.00	\$ 749.00
Piling landing slash & sorting firewood	landing	20	\$ 50.00	\$ 1,000.00
Temporary stream crossing	crossing	1	\$ 100.00	\$ 100.00
<b>Miscellaneous Costs</b>				
Additional fire equipment	Seasons	1	\$ 2,000.00	\$ 2,000.00
Safety Flagging and/or signing	per day	25	\$ 64.00	\$ 1,600.00
Additional fire watchman	per day	50	\$ 25.00	\$ 1,250.00
<b>Total additional "Other Cost" with additional profit and risk to be added</b>				<b>\$ 8,197</b>

---

### Additional "Other Cost" with no additional profit and Risk

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Scaling (high piece count)	MBF	749	\$ 2.00	\$ 1,498.00
<b>Total additional "Other Cost" with no additional profit and Risk</b>				<b>\$ 1,498</b>

Central Elliott Thin Project Costs

**Project No. 1: Road Re-Construction**

Points Pts. L - M, off of 2470 rd  
 Length: 350'  
 Type: 14' no ditch

**Clearing and Grubbing**

Sawtime 4.0 hrs at \$30.00 per hr \$120.00

**Total clearing and grubbing \$120**

**Excavation**

Drill and Shoot 366.0 cubic yds at \$3.00 per cu yd \$1,098.00  
 Cat time for excavation & shape end-haul 5.0 hrs at \$95.00 per hr \$475.00  
 Excavation 1307.0 cubic yds at \$1.15 per cu yd \$1,503.05

**Total Excavation \$3,076**

**Hauling**

Endhaul to waste area 1226.0 cubic yds at \$1.45 per cu yd \$1,777.70

**Total Hauling \$1,778**

**Grade Road Surface**

1.0 hrs Grade @ \$75.00 per hr \$75.00

**Total Grading \$75**

**Move-in**

Equipment	Miles	Mileage Factor	Equipment Allowance	Total
Excavator	30	0.7	\$533.00	\$351.78
Cat	30	0.7	\$533.00	\$351.78
Grader	30	0.7	\$241.00	\$159.06
Drill & Comp	30	0.7	\$241.00	\$159.06
Dump Truck	30	0.7	\$144.00	\$95.04
Dump Truck	30	0.7	\$144.00	\$95.04

**Total Move-in \$1,212**

<b>Project 1 Cost:</b>	<b>\$6,261</b>
------------------------	----------------



Central Elliott Thin Project Costs

**Project 2: Road Improvement**

**Project 2A: Road Improvement**

Points      A to B  
 Length:    12,855' 2.43 mi.  
 Type:       14' with 3' ditch

**Grade Road Surface**

Grade road surface, rip out potholes prepare surface for spot rocking	10.0	hrs Grade @	\$75.00	per hr	\$750.00
--	------	-------------	---------	--------	----------

**Total Grading                      \$750.00**

<b>Project 2A Cost:</b>	<b>\$750</b>
-------------------------	--------------

**Project 2B: Road Improvement**

Points      B to C  
 Length:    2820'  
 Type:       14' with 2' ditch

**Re-shape Road Surface**

Cat time to construct approach at Pt. C	4.0	hrs @	\$95.00	per hr	\$380.00
Excavator	3.0	hrs @	\$95.00	per hr	\$285.00
Grader time for shaping road surface and spreading end-haul material	4.0	hrs Grade @	\$75.00	per hr	\$300.00

**Total Grading and Excavation                      \$965.00**

<b>Project 2B Cost:</b>	<b>\$965</b>
-------------------------	--------------

**Project 2C: Road Improvement**

Points      C to F  
 Length:    2615'  
 Type:       14' no ditch

**Excavation**

Excavator	10.0	hrs at	\$95.00	per hr	\$950.00
Cat time for road improvements	20.0	hrs at	\$95.00	per hr	\$1,900.00

**Total Excavation                      \$2,850.00**

**Grade Road Surface**

	2.0	hrs Grade @	\$75.00	per hour	\$150.00
--	-----	-------------	---------	----------	----------

**Total Grading                      \$150.00**

<b>Project 2C Cost:</b>	<b>\$3,000</b>
-------------------------	----------------

Central Elliott Thin Project Costs

**Project 2D: Road and Landing Improvement**

Points D to E  
 Length: 1425'  
 Type: 14' no ditch

**Excavation**

Cat time for improvements	<u>10.0</u>	hrs at	<u>\$95.00</u>	per hr	<u>\$950.00</u>
Drill and Shoot	<u>7.0</u>	hrs at	<u>\$115.00</u>	per hr	<u>\$805.00</u>

**Total Excavation \$1,755.00**

**Grade Road Surface**

<u>1.0</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$75.00</u>
------------	-------------	----------------	----------	----------------

**Total Grading \$75.00**

<b>Project 2D Cost:</b>	<b>\$1,830</b>
-------------------------	----------------

**Project 2E: Road and Landing Improvement**

Points F to G  
 Length: 1210'  
 Type: 14', no ditch

**Excavation**

Excavator	<u>2.0</u>	hrs at	<u>\$95.00</u>	per hr	<u>\$190.00</u>
Cat time for improvements	<u>6.0</u>	hrs at	<u>\$95.00</u>	per hr	<u>\$570.00</u>
Drill and Shoot	<u>3.0</u>	hrs at	<u>\$115.00</u>	per hr	<u>\$345.00</u>

**Total Excavation \$1,105.00**

**Hauling**

Haul material to Point J	<u>2.0</u>	hrs at	<u>\$60.00</u>	per hr	<u>\$120.00</u>
--------------------------	------------	--------	----------------	--------	-----------------

**Total Haul \$120.00**

**Grade Road Surface**

<u>1.0</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$75.00</u>
------------	-------------	----------------	----------	----------------

**Total Grading \$75.00**

<b>Project 2E Cost:</b>	<b>\$1,300</b>
-------------------------	----------------

Central Elliott Thin Project Costs

**Project 2F: Road Improvement - Approach to Stream Crossing**

Points H  
Shake Creek

**Excavation**

Excavator construct approaches and load material into truck      4.0      hrs at      \$95.00      per hr      \$380.00

**Total Excavation      \$380.00**

**Hauling**

Haul material where needed along B to C      4.0      hrs at      \$60.00      per hr      \$240.00  
(Use material to smooth road surface)

**Total Haul      \$240.00**

<b>Project 2F Cost:</b>	<b>\$620</b>
-------------------------	--------------

**Project 2G: Road Improvement - Low Water Crossing**

Points I

**Excavation**

Excavator for improving approaches and spreading rock on approaches      2.0      hrs at      \$95.00      per hr      \$190.00

**Total Excavation      \$190.00**

<b>Project 2G Cost:</b>	<b>\$190</b>
-------------------------	--------------

**Project 2H: Road Improvement - Low Water Crossing**

Points J

**Excavation**

Excavator time to construct temp. crossing and remove material upon completion of hauling logs (cost includes a 12" x 20' pipe)      3.0      hrs at      \$95.00      per hr      \$285.00

**Hauling**

Haul material from temp. crossing      1.5      hrs at      \$60.00      per hr      \$90.00

**Total Excavation      \$375.00**

<b>Project 2H Cost:</b>	<b>\$375</b>
-------------------------	--------------

Central Elliott Thin Project Costs

**Project 2i: Road and Landing Improvement**

Points M to Q, O to P  
 Length: 2100'  
 Type: 14' no ditch

**Excavation**

Cat time for road improvements      10.0      hrs at      \$95.00      per hr      \$950.00

**Total Excavation      \$950.00**

**Grade Road Surface**

2.0      hrs Grade @      \$75.00      per hour      \$150.00

**Total Grading      \$150.00**

<b>Project 2i Cost:</b>	<b>\$1,100</b>
-------------------------	----------------

**Project 2J: Road and Landing Improvement**

Points R to S, T to U  
 Length: 1050'  
 Type: 14' no ditch

**Excavation**

Excavator      4.0      hrs at      \$95.00      per hr      \$380.00  
 Cat time for road improvements      8.0      hrs at      \$95.00      per hr      \$760.00

**Total Excavation      \$1,140.00**

**Grade Road Surface**

Prep for rock spread      2.0      hrs Grade @      \$75.00      per hour      \$150.00

**Total Grading      \$150.00**

<b>Project 2J Cost:</b>	<b>\$1,290</b>
-------------------------	----------------

**Project 2K: Road and Landing Improvement**

Points Spur off 7100 road, Pts. V to W  
 Length: 1,500'  
 Type: 14' with no ditch

**Excavation**

Excavator time for improvements      15      hrs at      \$95.00      per hr      \$1,425.00  
 Drill and Shoot, boulders and widening      8      hrs at      \$115.00      per hr      \$920.00

**Total Excavation      \$2,345.00**

**Central Elliott Thin Project Costs**

**Haul Waste Material**

Haul waste material to beginning of spur to improve drainage	<u>10</u>	hrs at	<u>\$60.00</u>	per hour	<u>\$600.00</u>	
						<b>Total Hauling</b>
						\$600.00

**Grade Road Surface**

Prep for rock spread	<u>1</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$75.00</u>	
						<b>Total Grading</b>
						\$75.00

<b>Project 2K Cost:</b>	<b>\$3,020</b>
-------------------------	----------------

**Project 2L: Road and Landing Improvement**

Points      X to Y  
 Length:     330'  
 Type:        14' no ditch

**Excavation**

Excavator	<u>3.0</u>	hrs at	<u>\$95.00</u>	per hr	<u>\$285.00</u>	
Cat time for road improvements	<u>3.0</u>	hrs at	<u>\$95.00</u>	per hr	<u>\$285.00</u>	
						<b>Total Excavation</b>
						\$570.00

<b>Project 2L Cost:</b>	<b>\$570.00</b>
-------------------------	-----------------

**Move between sale areas (about 15 miles)**

Equipment	Miles	Mileage Factor	Equipment Allowance	Total
Excavator	15	0.58	\$533.00	\$309.14
Cat	15	0.58	\$533.00	\$309.14
Grader	15	0.58		\$75.00
Drill & Comp	15	0.58	\$241.00	\$139.78
Dump Truck	15	0.58		\$45.00

<b>Total Move-in Costs:</b>	<b>\$878.06</b>
-----------------------------	-----------------

<b>Project 2 Cost</b>	<b>\$15,888</b>
-----------------------	-----------------

Central Elliott Thin Project Costs

**Project No. 3: Rock Delivery and Road Surfacing**

**Project No. 3A: Road Spot Rocking**

Points A to B  
 Length: 12,855' 2.43 mi.  
 Type: 14' with 3' ditch  
 Round Trip: 2.9 hrs

Rock (1 1/2" - 0")	200.0	yds at	\$7.00	per yd	\$1,400.00
Haul	200.0	yds at	\$14.50	per yd	\$2,900.00
Processing (grader)	200.0	yds at	\$0.75	per yd	\$150.00

<b>Total Rocking 3A:</b>	<b>\$4,450</b>
--------------------------	----------------

**Project No. 3B: Low-Water Crossing Rock**

Point H  
 Round Trip: 3 hrs

Rock price (2 1/2" - 0" rock)	40.0	yds at	\$6.50	per yd	\$260.00
Haul price	40.0	yds at	\$15.00	per yd	\$600.00
Processing (Grader and dump truck Comp)	40.0	yds at	\$0.75	per yd	\$30.00

<b>Total Rocking 3B:</b>	<b>\$890</b>
--------------------------	--------------

**Project No. 3C: Low-Water Crossing Rock**

Point I  
 Round Trip: 3.1 hrs

Rock (2 1/2"-0")	100.0	yds at	\$6.50	per yd	\$650.00
Haul	100.0	yds at	\$15.50	per yd	\$1,550.00
Processing (Grader and dump truck Comp)	100.0	yds at	\$1.00	per yd	\$100.00

<b>Total Rocking 3C:</b>	<b>\$2,300</b>
--------------------------	----------------

**Project No. 3D: Low-Water Crossing Rock**

Point J  
 Round Trip: 3.3 hrs

Rock (2 1/2"-0")	20.0	yds at	\$6.50	per yd	\$130.00
Haul price	20.0	yds at	\$16.50	per yd	\$330.00
Processing (Grader and dump truck comp)	20.0	yds at	\$0.75	per yd	\$15.00

<b>Total Rocking 3D:</b>	<b>\$475</b>
--------------------------	--------------

Central Elliott Thin Project Costs

**Project No. 3E: Road Surfacing**

Points R to S  
 Length 350'  
 12 yds per sta

2 1/2"-0 rock	<u>45.0</u>	cu yds at	<u>\$6.50</u>	per yd	<u>\$292.50</u>
Haul Cost	<u>45.0</u>	cu yds at	<u>\$14.40</u>	per yd	<u>\$648.00</u>
Process (grader)	<u>45.0</u>	cu yds at	<u>\$0.50</u>	per yd	<u>\$22.50</u>

Total Rocking \$963.00

<b>Total Project 3E</b>	<b>\$963</b>
-------------------------	--------------

**Project No. 3F: Road Surfacing**

Points T to U  
 Length 730'  
 12 yds per sta

2 1/2"-0 rock	<u>88.0</u>	cu yds at	<u>\$6.50</u>	per yd	<u>\$572.00</u>
Haul Cost	<u>88.0</u>	cu yds at	<u>\$14.40</u>	per yd	<u>\$1,267.20</u>
Process (grader)	<u>88.0</u>	cu yds at	<u>\$0.50</u>	per yd	<u>\$44.00</u>

Total Rocking \$1,883.20

<b>Total Project 3F</b>	<b>\$1,883</b>
-------------------------	----------------

**Project No. 3G: Road Surfacing**

Points V to W  
 Length 1500'  
 12 yds per sta

2 1/2"-0 rock	<u>180</u>	cu yds at	<u>\$6.50</u>	per yd	<u>\$1,170.00</u>
Haul Cost	<u>180</u>	cu yds at	<u>\$14.40</u>	per yd	<u>\$2,592.00</u>
Process (grader)	<u>180</u>	cu yds at	<u>\$0.50</u>	per yd	<u>\$90.00</u>

Total Rocking \$3,852.00

<b>Total Project 3G</b>	<b>\$3,852</b>
-------------------------	----------------

<b>Total Project 3</b>	<b>\$14,813</b>
------------------------	-----------------

<b>Total Project Costs</b>	<b>\$36,962</b>
----------------------------	-----------------

# TIMBER SALE SUMMARY

## Central Elliott Thin

1. **Type of Sale:** Thinning; Recovery, Sealed Bid.
2. **Boundary Lines:** Sale boundaries are marked on the ground with "Timber Sale Boundary" posters, red paint, and red flagging at locations shown on the Exhibit "A" (The eastern boundary of Area IV is defined by a stream and is not posted). Location of group selection areas will be determined during the thinning operation and are not posted.
3. **Revenue Distribution:** 100% CSL, 77% Coos County, 23% Douglas County.
4. **Sale Acreage:** The sale is divided into seven separate areas totaling approximately 207 gross acres. Portions of units III through VII contain areas of hardwood and poor stocking which will be exempt from thinning. Total net acres is 164 (Area I = 19 acres, Area II = 3 acres, Area III = 24 acres, Area IV = 54 acres, Area V = 27 acres, Area VI = 28 acres, Area VII = 9 acres). Within the gross posted acres will be a total of 10.0 acres of group selection areas. Acreage was determined by electronic digitizing using the ArcView GIS program.
5. **Volume by Species, Fund, and County:** See attached table.
6. **Grade (by percent):**

Species	3 Peeler	Special Mill	2 Saw	3 Saw	4 Saw/Camp
Douglas-fir				53%	47%
Hardwood					100%

7. **Cruise:** A total of 115 full prism plots were taken over the sale units. Areas I, II, III, IV, and VI were cruised by Second Growth Inc in 1999. Half of the plots were fully measured and half were count only. Areas V and VII were cruised by ODF foresters in spring of 2001. All the plots in Areas V and VII were fully measured. All cruising was done using the Superace program.

A. Cruise Summary Data :

Diam	Ht. Stand	Form Point	Form Factor	Top Cr. Diam	CV %	SE %
D4H	Total height	Conifer: 4' Hdwd: 4'	Estimated or measured on all trees	Conifer: 5" Hdwd: 5"	21-41	5-10

B. Defect and breakage summary of cut trees (Areas I - VII):

Species	Douglas-fir	Hardwoods
Cruised Defect	0%	0%
Hidden Defect	4%	15%
Breakage	2%	0%
Total	6%	15%



C. Summary of cut trees:

Area (acres)	Species	Ave. D4H	Trees per Acre	Basal Area (ft <sup>2</sup> /ac)	MBF Per acre
I (19)	Douglas-fir	9.2	184	85	10.4
I (1.0) Group Selection Areas	Douglas-fir/ Hardwood	--	--	--	6.9
II (3)	Douglas-fir	9.2	184	85	10.4
III (26)	Douglas-fir	10.2	56	32	2.7
III (1.0) Group Selection Areas	Hardwood	--	--	--	.3
IV (79)	Douglas-fir	9.6	65	33	3.3
IV (4.0) Group Selection Areas	Hardwood	--	--	--	1.8
V (32)	Douglas-fir	10.1	122	67	6.2
V (1.5) Group Selection Areas	Hardwood	--	--	--	1.6
VI (37)	Douglas-fir	10.5	21	30	2.7
VI (2.0) Group Selection Areas	Hardwood	--	--	--	2.1
VII (11)	Douglas-fir	8.4	188	73	6.2
VII (.5) Group Selection Areas	Hardwood	--	--	--	.4

8. **Timber Description:** Timber in this sale is composed mostly of small diameter, 34 to 38 year old second growth Douglas-fir with minor components of red alder and western hemlock. Stocking and tree sizes vary greatly and only densely stocked areas will be thinned. Areas I and II are 46 years old and have an older cohort of scattered mature Douglas-fir, a remnant stand from when the area was pasture. These mature conifers are exempt from cutting.

9. **Topography:** The majority of the sale areas are on deeply dissected slopes over 65 percent. Areas I and II are relatively flat units.

10. **Logging Method:** This is an Automark thinning in which the operator selects the trees to be cut. Area I, II and the western portion of Area VII will be yarded with ground based systems. Tractor, shovel, or skidder logging will be limited to existing or designated skid trails and allowed only during the dry season to minimize soil disturbance. To access Areas I and II, low water crossings will be constructed across the West Fork Millicoma River and a side drainage. A temporary stream crossing will also be constructed within Area I to access the extreme eastern portion. The majority of the sale areas (89 percent) will be cable logged uphill with single end suspension over the units and full end suspension over designated streams and RMA's. A motorized carriage may be required to obtain the necessary suspension. Intermediate supports will be utilized where necessary. The north portion of Area IV, a very small portion of Area III, and all of Area V are seasonally restricted because they are within a quarter mile of a marbled murrelet management area. Motorized equipment will not be allowed to operate within the seasonally restricted portions from April 1 to September 15. Purchaser will need to plan operations in restricted areas during the late dry season as much as possible.

**11. Access:** The sale units can be accessed from the 2000, 8000, and 7000 road systems. To access Areas I and II proceed north on the 2000 road to the 2300 junction, then take the 2300 east to the 8100 road. The sale areas are located approx 2 miles up the 8100 on the opposite side of the West Fork Millicoma River. Access is by foot across the river. Continuing north on the 2000 road, Area III is located off of the 2470 road, Area IV off the 2560 road, and Area VI off the 2640 road. Area VII is located further north on the 7000 road approx. 1 mile past the junction of 2000/7000. Area V can be accessed by turning east onto the 8000 from the 2000 and continuing down the 8000 to the junction with the 7100. Proceed north on the 7100 road for approx. 1 mile to the sale area.

**12. Projects:**

Project No. 1: Road Reconstruction

Project No. 2: Road and Landing Improvement, Low Water Crossing Improvement

Project No. 3: Road Surfacing, Spot Rocking

# NET VOLUMES AND ACREAGE

## Central Elliott Thin

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							
			By County and Fund						Total Vols.	Vol. per Acre
Area	Spec	Coos			Douglas					
		CSL	BOF	Total	CSL	BOF	Total			
1	D-fir Hdwd		193		193				193	10.2
2	D-fir Hdwd		31		31				31	10.3
3	D-fir Hdwd		62		62				62	2.6
4	D-fir		165		165				165	3.1
	Hdwd		6		6				6	0.1
5	D-fir		161		161				161	6.0
	Hdwd		2		2				2	0.1
6	D-fir					72		72	72	2.6
	Hdwd					4		4	4	0.1
7	D-fir					53		53	53	5.9
	Hdwd									
TOTALS			620	0	620	129	0	129	749	

**TOTAL SALE VOLUME BY SPECIES**

Douglas-fir     737 MBF  
 Hardwoods     12 MBF

Report by: J. Haynes

Date: June 18, 2001

Unit For. Alan P. Kunz 6/20/01

Asst. Dist. For. Gregory L. Kraemer 6/22/2001

**NO INGROWTH INCLUDED**

**NET ACREAGE BY COUNTY (to nearest acre)**

Sale Area	Coos County						Douglas County						TOTAL ACRES
	CSL			BOF			CSL			BOF			
	Conifer	Hard		Conifer	Hard		Conifer	Hard		Conifer	Hard		
	cc	pc	wood	cc	pc	woods	cc	pc	woods	cc	pc	woods	
1		19											19
2		3											3
3		24											24
4		54											54
5		27											27
6								28					28
7								9					9
SUM	0	127	0	0	0	0	0	37	0	0	0	0	164

cc- clearcut

pc- partial cut

CSL- Common School Land

BOF- Board of Forestry

**WRITTEN PLAN**

**SALE NAME:** Central Elliott Thin

**LOCATION:** Portions of Sec. 26, T23S R11W WM Coos County, OR

**LANDOWNER:** Oregon Department of Forestry; 300 5th St. Bay Park, Coos Bay, Or.

**CONTRACT PURCHASER:** \_\_\_\_\_

**NOTIFICATION NO:** \_\_\_\_\_

I:\Misc. Admin (old sl6 backup)\FPAPLANS\Central Elliott Thin Crossings.doc

This written plan is prepared to comply with the requirements for a written plan as provided for by the Forest Practices Act (ORS 629-635-130 and 624-24-113 section 1A). This plan outlines the measures to be taken to comply with the Forest Practices Act Class F stream protection requirements. The affected resources are Shake Creek, the West Fork of the Millicoma River and an unnamed tributary.

**SITUATION** Stream crossing are necessary to provide access to Areas I and II. Protection measures required by the Forest Practices Act for the RMA are provided for in the sale contract. These measures are as follows:

**Construction Period:** Construction or improvement of low water crossings shall be done between July 15 and September 15. Removal of low water crossing materials must be completed by September 15.

Construction work shall be done according to the following instructions which also appear in Exhibit B of the sale contract:

Point H – This low-water crossing is located on the 8100 Rd. To improve the vertical alignment of the crossing, approximately 200 cubic yards of material shall be excavated from the 8100 road. This yardage represents a combined total from both sides of the crossing. The area to be excavated is about 80 feet on each side of the crossing. The cut depth shall not exceed 3 feet. Material from the excavation shall be distributed in the 8100 road between points B and C to improve drainage and smooth the road surface. The road gradient on each side of the crossing shall not exceed 8%. Both approaches shall be rocked with a total of 40 cubic yards of 2 ½” – 0” crushed quarry rock.

Point I – This river crossing is located within the West Fork Millicoma River. It is an existing crossing consisting of a concrete structure over the top of a culvert. The streambed on both sides of the structure consists of solid bedrock. Work will only be done on the approaches to the crossing. Excess material deposited during high flows shall be removed from the approach on the right bank of the river. Material taken from this approach shall be distributed in the roadway adjacent to the approach to improve drainage and alignment. The approach on the left bank shall be improved by smoothing the road surface and cutting down the road near the top of the bank to facilitate a more suitable gradient. Cut depth shall not exceed 18 inches. Road gradient along both approaches shall not exceed 10%. The approaches to the crossing shall be rocked with a total of 100 cubic yards of 2 ½” – 0” crushed quarry rock.

Point J – This low-water crossing is a small stream crossing located on privately owned property. To minimize impact to the stream banks, a 12” x 20’ culvert shall be placed in the streambed and backfilled to a height not to exceed 3 feet. This will allow for a 12 foot running surface and a smooth transitional vertical curve. No excavation into the stream banks will be permitted other than to remove vegetation that impairs road use or to smooth road surface with a grader. Upon completion of hauling logs over this portion of road, all of the fill material shall be removed from the stream bed and hauled to the road segment between Point C and Point D where it will be spread onto the road surface. The culvert shall be removed and placed at an accessible location along the 8100 road as directed by STATE.

Use Restriction: Hauling over low water crossing shall be limited to the period from

\_\_\_\_\_  
O.D.F. REPRESENTATIVE Date

\_\_\_\_\_  
PURCHASER REPRESENTATIVE Date

\_\_\_\_\_  
OPERATOR REPRESENTATIVE Date

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE

**WRITTEN PLAN**

**SALE NAME:** Central Elliott Thin

**LOCATION:** Portions of Sec. 26 (I,II),10,11(IV),12 (V) T23S R11 W WM Coos County, Or  
And Sec35 (VI) and 25(VII) T22S R11W. Douglas Co.

**LANDOWNER:** Oregon Department of Forestry; 300 5th St. Bay Park, Coos Bay, Or.

**CONTRACT PURCHASER:** \_\_\_\_\_

**NOTIFICATION NO:** \_\_\_\_\_

I:\Misc. Admin (old sl6 backup)\FPAPLANS\Central Elliott Thin.doc

This written plan is prepared to comply with the requirements for a written plan as provided for by the Forest Practices Act (ORS 629-635-130 and 624-24-113 section 1A). This plan outlines the measures to be taken to comply with the Forest Practices Act Class F stream protection requirements. The affected resources are : Area I and Area II-- West Fork of the Millicoma River and an unnamed tributary; Area IV-- Otter Creek; Area V-- Knife Creek; Area VII- Deer Creek

**SITUATION** Several type F streams are adjacent to units of this sale. An RMA has been posted or specified to provide for a minimum of 100 feet of "no removal" protection. During yarding, if cables are strung over the RMA, care must be taken to minimize damage to the vegetation in the RMA. Protection measures required by the Forest Practices Act for the RMA are provided for in the sale contract. These measures are as follows:

**FELLING AND BUCKING**

1. Do not fell any trees or snags within the posted RMA boundaries.
2. Fell trees parallel to or away from the RMA so as to minimize their potential of entering the RMA or damaging RMA vegetation.

**YARDING**

1. Operator will use a machine capable of fully suspending logs.
2. When cables pass through or over the buffer strip shown on the contract Exhibit "A", protect the residual timber as follows:
  - a. Pull cables out of the residual timber prior to rigging the next yarding road.
  - b. Do not lower the skyline into the buffer during the yarding cycle.
  - c. Yarding roads shall be a minimum of 100 feet apart where they extend over or through the RMA.

\_\_\_\_\_  
O.D.F. REPRESENTATIVE                      Date

\_\_\_\_\_  
PURCHASER REPRESENTATIVE              Date

\_\_\_\_\_  
OPERATOR REPRESENTATIVE                Date

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

\_\_\_\_\_  
TITLE