



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Scholfield Ridge Thin Sale 341-03-33

District: Coos

Date: 9/4/02

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$68,698.52	\$2,088.90	\$70,787.42
		Project Work	(\$9,512.00)
		Advertised Value	\$61,275.42



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Timber Description Scholfield Ridge Thin Sale 341-03-33

District: Coos

Location: Portions of Sections 29, 30, 31,
T22S R11W, WM and Portions of Section 25, T22S, R12W, WM, Douglas County, Oregon

Date: 9/4/02

Stand Stocking: 40%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	11	0	95
Alder (Red)	12	0	90

Volume by Grade	Douglas - Fir	Alder (Red)	Total
2S	19	0	19
3S	307	0	307
4S	147	0	147
Camprun	0	15	15
Total	473	15	488

Comments: Pond Values Used: 2nd Quarter 2002

132 net acres of automark thinning of young timber



Timber Sale Appraisal Logging Conditions Scholfield Ridge Thin Sale 341-03-33

"STEWARDSHIP IN FORESTRY"

Combination#: 1	Douglas - Fir	100.00%	
	Alder (Red)	100.00%	
Yarding Distance:	Medium (800 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: 3,200
Cost/MBF:	\$268.55		
Machines:			
	Log Loader (A)		
	Tower Yarder (Small)		



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Scholfield Ridge Thin Sale 341-03-33

Date: 9/4/02

Operating Seasons: 1.0

Profit & Risk: 16%

Project Costs: \$9,512

Other Costs (P/R): \$988

Slash Disposal: \$0

Other Costs: \$976

Road Maintenance: \$0.00

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

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$0.00	3.0	3.3
Alder (Red)	\$0.00	3.0	3.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Breakdown Scholfield Ridge Thin Sale 341-03-33

Costs	Douglas - Fir	Alder (Red)
Logging	268.55	268.55
Road Maintenance	0.47	0.50
Fire Protection	5.55	5.55
Hauling	46.11	56.78
Other (P/R appl.)	2.02	2.02
Profit & Risk	51.63	53.34
Slash Disposal	0.00	0.00
Scaling	2.00	2.00
Other	2.00	2.00
Total	378.33	390.74

Amortization	0.00	0.00
Pond Value	523.57	530.00
Stumpage	145.24	139.26
Amortized	0.00	0.00



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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	473.00	15.00
Value	145.24	139.26
Total	68,698.52	2,088.90

Gross Timber Sale Value

Recovery \$70,787.42

Prepared by: Chris Rudd

Date: 9/4/02

District: Coos

Phone: (541) 267-1756

Summary of "Other Costs" for Timber Sale Appraisals

Sale Name: Scholfield Ridge 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>
Felling				
Felling of unmerch material	MBF		\$ 1.00	\$ -
Directional Felling for site protection	MBF		\$ 2.00	\$ -
				\$ -
Yarding and Loading				
Artificial guyline support	anchor		\$ 500.00	
Brand and paint logs	MBF	488	\$ 1.00	\$ 488.00
Loader time for firewood stacking	Landing	5	\$ 100.00	\$ 500.00
Tree Topping				
	Trees		\$ 100.00	\$ -
Miscellaneous Costs				
Maintenance rock per section 5	Cubic Yards		\$ 18.00	\$ -
Safety Flagging and/or signing	per day		\$ 150.00	\$ -

Total additional "Other Cost" with additional profit and risk to be added

\$ 988.00

Additional "Other Cost" with no additional profit and Risk

	<u>Units</u>	<u>Quantity</u>	<u>Cost/unit</u>	<u>Total Cost</u>
Non-required road construction	Stations			\$ -
Non-required road rocking	Cubic Yards			\$ -
Stream clearance	Feet			\$ -
Scaling (high piece count)	MBF	488	\$ 2.00	\$ 976.00

Total additional "Other Cost" with no additional profit and Risk

\$ 976.00

SUMMARY OF PROJECT COST
Scholfield Ridge Thin

Project No. 1A: Road Improvement

Points A to B (Area I)
 Length 855'

Clearing and Grubbing

Saw time for roadside clearing 5 hrs at \$30.00 per hr \$150.00

Total clearing and grubbing \$150.00

Excavation

Drill and Shoot, widen at sta 4+40-4+95 4 hrs at \$115.00 per hr \$460.00

Cat excavation 4 hrs at \$125.00 per hr \$500.00

Excavation to widen at sta 5+40 and 4 hrs at \$95.00 per hr \$380.00
 load material from 4+40-4+95

Laborer 4 hrs at \$30.00 per hr \$120.00

Total Excavation \$1,460.00

Hauling

Endhaul material to Pt. K 100 cubic yds at \$1.20 per cu yd \$120.00

Total Hauling \$120.00

Grade Road Surface

1 hrs Grade @ \$75.00 per hour \$75.00

Total Grading \$75.00

Project 1A Cost \$1,805.00

Project No. 1B: Road Improvement

Points C to D (Area I)
 Length 1330'

Clearing and Grubbing

Sawtime to clear roadside brush 5 hrs at \$30.00 per hr \$150.00

Total clearing and grubbing \$150.00

Excavation

Cat excavation 5 hrs at \$125.00 per hr \$625.00

Excavator to widen at 2+70 & 3+75 4 hrs at \$95.00 per hr \$380.00

Total Excavation \$1,005.00

Hauling

Endhaul material to waste area at 8+45 150 cubic yds at \$0.80 per cu yd \$120.00

Total Hauling \$120.00

Grade Road Surface

**SUMMARY OF PROJECT COST
Scholfield Ridge Thin**

	<u>1</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$75.00</u>		
						Total Grading	\$75.00
						Project 1B Cost	\$1,350.00

Project No. 1C: Road Improvement

Points E to F (Area II)
Length 1675'

Clearing and Grubbing

Saw time for roadside clearing	<u>2</u>	hrs at	<u>\$30.00</u>	per hr	<u>\$60.00</u>		
						Total clearing and grubbing	\$60.00

Excavation

Cat to remove waterbars and smooth road surface	<u>10</u>	hrs at	<u>\$125.00</u>	per hr	<u>\$1,250.00</u>		
						Total Excavation	\$1,250.00

Grade Road Surface

	<u>1</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$75.00</u>		
						Total Grading	\$75.00
						Project 1C Cost	\$1,385.00

Project No. 1D: Road Improvement

Points G to H (Area III)
Length 6480'

Grade Road Surface

	<u>2</u>	hrs Grade @	<u>\$75.00</u>	per hour	<u>\$150.00</u>		
						Total Grading	\$150.00
						Project 1D Cost	\$150.00

Project No. 1E: Road Improvement

Points I to J (Area III)
Length 800'

Clearing

Sawtime for clearing roadside trees	<u>2</u>	hrs at	<u>\$30.00</u>	per hr	<u>\$60.00</u>		
						Total clearing and grubbing	\$60.00

Excavation

Cat excavation to improve grade	<u>8</u>	hrs at	<u>\$125.00</u>	per hr	<u>\$1,000.00</u>	
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**SUMMARY OF PROJECT COST
Scholfield Ridge Thin**

Total Excavation \$1,000.00

Grade Road Surface

1 hrs Grade @ \$75.00 per hour \$75.00

Total Grading \$75.00

Project 1E Cost \$1,135.00

Move-in

Equipment	Miles	Mileage Factor	Equipment Allowance	Total
Excavator	40	0.82	\$533.00	\$437.06
D8 Cat	40	0.82	\$533.00	\$437.06
Grader	40	0.82	\$241.00	\$197.62
Drill & Comp	40	0.82	\$241.00	\$197.62
Dump Truck	40	0.82	\$144.00	\$118.08

Total Move-in \$1,387.44

Project 1 Cost \$7,212.44

Project 2: Road Surfacing

Location: 5000 Rd, inside sale boundary for yarder settings
Rock to be put on the road after completion of all sale activities.

1 1/2" - 0" rock	<u>150</u>	cu yds at	<u>\$7.00</u>	per yd	<u>\$1,050.00</u>
Haul cost for rock	<u>150</u>	cu yds at	<u>\$8.33</u>	per yd	<u>\$1,249.50</u>

Total Rock \$2,299.50

Project 2 Cost \$2,299.50

Total Project Cost \$9,511.94

TIMBER SALE SUMMARY

Scholfield Ridge Thin

1. **Type of sale:** Thinning, Recovery, Sealed Bid.
2. **Boundary Lines:** Area I and II are bordered by the 5000 Road on the Northeast and area III is bordered on the South by the 5400 Road (see Exhibit A). The southwest boundary is at the stream buffer shown on the Exhibit A. Most sale boundaries are posted with “Timber Sale Boundary” posters, red flagging and red paint. Other boundaries are delineated by unposted buffer areas or are bounded by significant timber type changes. Group selection areas are posted with yellow “area boundary” posters, yellow flagging, and yellow paint. Road right-of-ways are marked with centerline stakes.
3. **Revenue Distribution:** 100% CSL, 100% Douglas County.
4. **Sale Acreage:** Volumes were calculated on net acres excluding from the gross: non-operational areas, stream buffers, low density areas, and alder patches. The total sale area is 262 acres gross (Area I, II, and III are 134, 40, and 88 acres). The net acres for Areas I, II, and III are 74, 18, and 40 acres respectively for a total of 132 acres. The acreage was determined from ortho-photography and measuring tools available in the ArcView geographic information system program.
5. **Volume by Species, Fund, and County:** See the attached table labeled “Net Volumes and Acreage”
6. **Grade by MBF Volume (Percent):**

Species	3 Peeler	Special Mill	2 Saw	3 Saw	4 Saw/Camp
Douglas-fir			19 (4%)	307 (65%)	147 (31%)
Hardwood	-----	-----	-----	-----	15 (100%)

7. **Cruise:** The sale was cruised in May of 2002 just prior to the 2002 growing season. The cruise compilation was done in SuperAce and the acreage was determined with digital ortho-photography and a measuring tool in the ArcView GIS program.

A. Cruise Summary Data:

Diameter	Top Diameter	Form Point	Form Factor	SE %
D4H	Total Height	Conifer: 16' Hardwood: 4'	Estimated or measured on all trees	5%

B. Summary of Cut Trees:

Species	D4H	Trees per Acre	Basal Area (ft ² /ac)	MBF per acre
Douglas-fir (Area I)	10.6	67	41	3
Douglas-fir (Area II)	10.2	89	50	3.5
Douglas-fir (Area III)	10.1	104	57	4.4
Group Selection Areas	11.3	219	153	11-13
Hardwood	12	--	--	15 (Total)

- 8. Timber Description:** The timber sale is stocked with 26-32 year-old second growth Douglas-fir. The average diameter of these stands is around 11 inches. Stocking varies throughout the stand. Only areas that exceed the minimum basal area requirements will be thinned. A small amount of alder will be removed from the sale. Hemlock and cedar are reserved from cutting except in logging corridors and for safety reasons. Area III has a significant amount of wind-thrown trees.
- 9. Topography:** The sale area is mostly on steep and dissected slopes with benches throughout the stand. In general, group selection areas are on flatter ground.
- 10. Logging Method:** The majority of this sale will be uphill cable logged. Area I and II will be accessible from the 5000 road in winter logging and spur roads for summer logging. Area III will be accessible from the 5400 road and a spur road to the ridge.
- 11. Access:** From Reedsport, take Highway 38 East about 2.5 miles to Scholfield Creek.. Turn right heading South for about 3 Miles to Scholfield Ridge Road (5000). Turn left onto Scholfield Ridge Road and drive 4.5 miles to Area I. Area II is on the 5000 Road at mile (5.5). The 5400 Road is at about the 6 mile marker. Area II is about a mile West on the 5400 road from the 5000.

12. Projects:

Project No. 1: Road and Landing Improvement: See section 70 of the contract for the project point locations, the "Summary of Project Costs", and section 72 credit for project work. The total cost of project work will be credited as project work is completed.

Project No. 2: Road Surfacing: This is a separate project to repair the 5000 road surface at the completion of the sale or stockpile the rock if it is not needed.

NET VOLUMES AND ACREAGE

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							Vol. per Acre	
			By County and Fund						Total Vols.		
			Coos			Douglas					
Area	Spec		CSL	BOF	Total	CSL	BOF	Total			
I	D-fir				0	224			224	224	3
	Hem				0				0	0	
	Cedar				0				0	0	
	Hdwd				0	15			15	15	
II	D-fir				0	66			66	66	3.7
	Hem				0				0	0	
	Cedar				0				0	0	
	Hdwd				0				0	0	
III	D-fir				0	183			183	183	4.6
	Hem				0				0	0	
	Cedar				0				0	0	
	Hdwd				0				0	0	
TOTALS					0	0	0	488	0	488	488

TOTAL SALE VOLUME BY SPECIES

Douglas-fir	473	MBF
Hemlock	0	MBF
RedCedar	0	MBF
Hardwoods	15	MBF

Report by: Scholfield Ridge Thin

Date: 5/29/2002

Unit For. Man R. Tracy 6/3/02
Date

Asst. Dist. For. Dwight S. Kremer 5/31/2002
Date

**UTILITY VOLUME NOT SHOWN TO PROVIDE FOR RETENTION OF DOWN LOGS
NO INGROWTH INCLUDED**

ACREAGE BY COUNTY (to nearest acre)

Sale Area	Coos County						Douglas County						TOTAL ACRES
	CSL			BOF			CSL			BOF			
	Conifer cc	Conifer pc	Hard wood	Conifer cc	Conifer pc	Hard woods	Conifer cc	Conifer pc	Hard woods	Conifer cc	Conifer pc	Hard woods	
I								74					74
II								18					18
III								40					40
SUM	0	0	0	0	0	0	0	132	0	0	0	0	132

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land

WRITTEN PLAN

SALE NAME: Scholfield Ridge Thin

LOCATION: Portions of Secs. 29, 30 and 31 T22S R11W and Portions of Sec. 25, T22S, R12W WM Douglas County, Or.

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

CONTRACT PURCHASER: _____

NOTIFICATION NO: _____

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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 resource is Murphy Creek, a Class F stream, located adjacent to Areas I, II and III of this timber sale.

SITUATION Murphy Creek, a type F stream, is adjacent to the Scholfield Ridge Thin timber sale. The contractor must leave a 100 foot buffers as shown on "Exhibit A" to protect the resource. During yarding, if cables are strung over the RMA, care must be taken to minimize damage to the vegetation in the RMA. The sale may contain high risk sites, but retention of the leave trees and RMA's maintains slope stability. Protection measures required by the Forest Practices Act for the RMAs 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