



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary 4200 Wedges Sale 341-03-39

District: Coos

Date: 8/8/02

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$122,744.79	\$10,025.86	\$132,770.65
		Project Work	\$0.00
		Advertised Value	\$132,770.65



Timber Sale Appraisal Timber Description 4200 Wedges Sale 341-03-39

"STEWARDSHIP IN FORESTRY"

District: Coos

Location: Portion of Section 18, T23S, R11W, W.M., Coos County.

Date: 8/8/02

Stand Stocking: 80%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	24	0	100
Alder (Red)	14	0	100

Volume by Grade	Douglas - Fir	Alder (Red)	Total
3P	6	0	6
SM	3	0	3
2S	181	0	181
3S	99	0	99
4S	12	0	12
Camprun	0	26	26
Total	301	26	327

Comments: Pond Values Used: 2nd Quarter 2002

Two acres of Right of Way timber and 2 patch cuts of 2 and 3 acres.



Timber Sale Appraisal

Logging Conditions

4200 Wedges

Sale 341-03-39

"STEWARDSHIP IN FORESTRY"

Combination#: 1	Douglas - Fir	44.85%	
	Alder (Red)	42.31%	
Yarding Distance:	Short (400 ft)		Downhill Yarding: Yes
Logging System:	Shovel		Process: Manual Delimiting
Tree Size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
Loads/Day:	12		Bd. Ft./Load: 4,800
Cost/MBF:	\$40.31		
Machines:	Shovel Logger		
Combination#: 2	Douglas - Fir	55.15%	
	Alder (Red)	57.69%	
Yarding Distance:	Short (400 ft)		Downhill Yarding: No
Logging System:	Cable: Medium Tower >40 - <70		Process: Manual Delimiting
Tree Size:	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
Loads/Day:	12		Bd. Ft./Load: 4,800
Cost/MBF:	\$57.58		
Machines:	Log Loader (A) Tower Yarder (Medium)		



Timber Sale Appraisal

Logging Costs

4200 Wedges

Sale 341-03-39

"STEWARDSHIP IN FORESTRY"

Date: 8/8/02

Operating Seasons: 1.0

Profit & Risk: 16%

Project Costs: \$0

Other Costs (P/R): \$0

Slash Disposal: \$0

Other Costs: \$0

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.5	0.0

Road Maintenance: \$0.00

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$0.00	2.0	4.5
Alder (Red)	\$0.00	2.0	3.5



Timber Sale Appraisal Logging Costs Breakdown 4200 Wedges Sale 341-03-39

"STEWARDSHIP IN FORESTRY"

Costs	Douglas - Fir	Alder (Red)
Logging	49.83	50.27
Road Maintenance	0.21	0.21
Fire Protection	8.29	8.29
Hauling	51.10	65.70
Other (P/R appl.)	0.00	0.00
Profit & Risk	17.51	19.92
Slash Disposal	0.00	0.00
Scaling	0.00	0.00
Other	0.00	0.00
Total	126.94	144.39

Amortization	0.00	0.00
Pond Value	534.73	530.00
Stumpage	407.79	385.61
Amortized	0.00	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary 4200 Wedges Sale 341-03-39

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	301.00	26.00
Value	407.79	385.61
Total	122,744.79	10,025.86

Gross Timber Sale Value

Cash \$132,770.65

Prepared by: Chris Rudd

Date: 8/8/02

District: Coos

Phone: (541) 267-1756

TIMBER SALE SUMMARY

4200 Wedges

1. **Type of sale:** Patch Cut; Recovery, Sealed Bid.
2. **Boundary Lines:** The sale boundaries of the wedge shaped units are marked on the ground with "Timber Sale Boundary" posters, red paint, and red flagging at locations shown on the Exhibit A. The road rights-of-way are posted with orange "Right of Way" signs, red flagging and red paint.
3. **Revenue Distribution:** 55% BOF; 45% CSL, 100% Coos County.
4. **Sale Acreage:** The total sale area is 7 acres. The acreage was determined by traversing the sale units perimeters.
5. **Volume by Species, Fund, and County:** See table on following page.
6. **Grade by Percent:**

Species	3 Peeler	Special Mill	2 Saw	3 Saw	4 Saw/Camp
Douglas-fir	2	1	60	33	4
Hardwood	----	----	----	----	100

7. **Cruise:** The unit was 100% cruised using a laser range finder for heights. Since all trees were measured the acreage is not necessary for a cruise expansion to obtain total volume. Acreage was used for an approximation of volume per acre and tracking purposes. The 4200 Wedges was cruised by ODF Foresters and compiled using Superace, in July, 2002.

A. Cruise Summary Data:

Diameter	Top Diameter	Form Point	Form Factor
D4H	Total Height	NA	Recorded on all trees

B. Stand Summary:

Species	D4H	Trees per Acre	Basal Area (ft ² /ac)	BF per acre
Douglas-fir	20-38	63	192.3	42,900
Hardwood	14	38	40	3,700

8. **Timber Description:** Timber in Areas I and III (RW) is 50-60 year old Douglas fir averaging 20-21 inches DBH and between 112 and 145 feet tall. Area I is densely stocked Douglas-fir while the right of way timber (Area III) is primarily alder at the start of the road phasing into Douglas-fir as the road turns up toward the landing.

Timber in Area II and IV (RW) are entirely different with the road right of way densely stocked with 32" Douglas-fir reaching about 145' tall. Area II is primarily red alder with 19 large Douglas-fir (38" DBH) reaching through the alder canopy.

- 9. Topography:** Topography is generally steep with roads located on ridge crests.
- 10. Logging Method:** The sale areas will be cable logged with one end suspension prior to the Lone Rock Timber logging directly to the South. The rights-of-way will be ground yarded as part of the road building operation.
- 11. Access:** The Area II can be accessed through the Elliott State Forest just West of Lakeside via Benson Ridge Road (4000). The 4200 spur is off the 4000 at about mile 3. The Area I accessed by the County Road located just prior to entering the Elliott State Forest at Benson Ridge Road. Access is through Lone Rock Timber land. (See Exhibit A).

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			124	124			0	124	62
	Alder			1	1			0	1	0.5
II	D-fir	43		43				0	43	14.3
	Alder	14		14				0	14	4.7
III (RW)	D-fir			48	48			0	48	48
	Alder			8	8			0	8	8
IV (RW)	D-fir	86		86				0	86	86
	Alder	3		3				0	3	
TOTALS				146	181	327	0	0	0	327

TOTAL SALE VOLUME BY SPECIES

Douglas-fir 301 MBF
Hemlock _____ MBF
RedCedar _____ MBF
Hardwoods 26 MBF

Report by: 4200 Wedges

Date: 7/19/2002

Unit For. _____

Asst. Dist. For. Alan P. King Date 7-19-2002

Greg Stremaier Date 7/19/2002

**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		Hard wood		CSL		BOF		Hard woods		
	cc	pc	cc	pc			cc	pc	cc	pc			
I				2									2
II			3										3
III				0.5	0.5								1
IV	1												1
SUM	1	0	3	2.5	0	0.5	0	0	0	0	0	0	7

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land