



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Deer Creek Salvage Sale 341-05-01

District: Coos

Date: 7/2/04

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$106,207.17	\$328.93	\$106,536.10
		Project Work	(\$644.00)
		Advertised Value	\$105,892.10



Timber Sale Appraisal Timber Description Deer Creek Salvage Sale 341-05-01

"STEWARDSHIP IN FORESTRY"

District: Coos

Location: Portions of Sections 30 & 31, T22S, R10W, W.M., Douglas County, Oregon.

Date: 7/2/04

Stand Stocking: 80%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	24	0	90
Western Hemlock / Fir	30	0	90
Red Cedar	25	0	90
Alder (Red)	16	0	85

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)	Total
2S	227	0	0	0	227
3S	40	7	1	0	48
Camprun	0	0	0	1	1
Total	267	7	1	1	276

Comments: Pond Values Used: 2nd Quarter 2004.

Five acre salvage sale of predominately 114-year-old Douglas-fir windthrown sawtimber.

Windthrown timber may contain nominal amounts of peelable cull grade material.



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Conditions Deer Creek Salvage Sale 341-05-01

Combination#: 1	Douglas - Fir	100.00%	
	Western Hemlock / Fir	100.00%	
	Red Cedar	100.00%	
	Alder (Red)	100.00%	
Yarding Distance:	Medium (800 ft)		Downhill Yarding: No
Logging System:	Cable: Medium Tower >40 - <70		Process: Manual Delimiting
Tree Size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF		
Loads/Day:	6		Bd. Ft./Load: 4,800
Cost/MBF:	\$115.16		
Machines:	Log Loader (A)		
	Tower Yarder (Medium)		



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Deer Creek Salvage Sale 341-05-01

Date: 7/2/04

Operating Seasons: 0.2

Profit & Risk: 20%

Project Costs: \$644

Other Costs (P/R): \$1,980

Slash Disposal: \$0

Other Costs: \$0

Road Maintenance: \$0.00

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.3	0.0	0.0	0.0

Hauling Costs

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



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Breakdown Deer Creek Salvage Sale 341-05-01

Costs	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
Logging	115.16	115.16	115.16	115.16
Road Maintenance	0.10	0.10	0.10	0.11
Fire Protection	1.97	1.97	1.97	0.00
Hauling	56.78	56.78	56.78	77.29
Other (P/R appl.)	7.20	7.20	7.20	0.00
Profit & Risk	36.24	36.24	36.24	38.51
Slash Disposal	0.00	0.00	0.00	0.00
Scaling	2.00	2.00	2.00	0.00
Other	0.00	0.00	0.00	0.00
Total	219.45	219.45	219.45	231.07

Amortization	0.00	0.00	0.00	0.00
Pond Value	609.76	395.00	985.00	560.00
Stumpage	390.31	175.55	765.55	328.93
Amortized	0.00	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

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Amortized

	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
MBF	0.00	0.00	0.00	0.00
Value	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

Unamortized

	Douglas - Fir	Western Hemlock / Fir	Red Cedar	Alder (Red)
MBF	267.00	7.00	1.00	1.00
Value	390.31	175.55	765.55	328.93
Total	104,212.77	1,228.85	765.55	328.93

Gross Timber Sale Value

Recovery \$106,536.10

Prepared by: Jon Haynes

Date: 7/2/04

District: Coos

Phone: (541) 267-1758

Summary of "Other Costs" for Timber Sale Appraisals

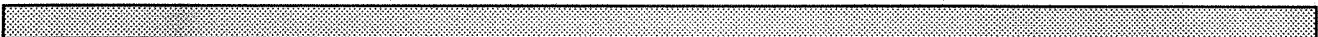
Sale Name: Deer Creek Salvage

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 (corridor trees)				
Locate and Flag Corridors	MBF	57	\$ 5.00	\$ 285.00
Select Trees and Fall to Lead	MBF		\$ 5.00	-
Small Tree Volume Cost addition	MBF		\$ 10.00	-
Directional Felling/Tree Jacking	MBF	57	\$ 2.00	\$ 114.00
Felling of unmerch material	MBF		\$ 1.00	-
Yarding and Loading				
Clear chute at cable settings	MBF		\$ 3.00	-
Brand and paint logs	MBF	276	\$ 1.00	\$ 276.00
Cull sorting/slash piling on landings	landing	1	\$ 125.00	\$ 125.00
Rig lift trees	lift tree	1	\$ 100.00	\$ 100.00
Artificial guy anchors(dozer, skidder)	anchor	0	\$ 500.00	-
Log Processing at landing	MBF		\$ 10.00	-
Transport culls to 7300 road for firewood	Hours	0	\$ 100.00	-
Skid Road Layout	MBF		\$ 5.00	-
Non required Road Construction	Stations			-
Miscellaneous Costs				
Additional fire equipment	Seasons		\$ 2,000.00	-
Maintenance rock per section 54	Cubic Yards	60	\$ 18.00	\$ 1,080.00
Safety Flagging and/or signing	per day			-
Tree topping	per tree		\$ 100.00	-

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

\$ 1,980.00



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		\$ 2.00	-
Grass Seeding and Fertilizing	Ac			-

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

\$ -

SUMMARY OF CONSTRUCTION COST
Deer Creek Salvage

Project No. 1: Landing Improvement

Points: A

Cat time for leveling landing 2 hrs \$125.00 per hour \$250.00

Project 1 Total \$250.00

Move-in

<u>Equipment</u>	<u>Miles</u>	<u>Mileage Factor</u>	<u>Equipment Allowance</u>	<u>Total</u>
D7 Cat	35	0.74	\$533.00	\$394.42

Total Move-in \$394.42

Total Project Costs \$644.42

TIMBER SALE SUMMARY

Deer Creek Salvage

1. Type of Sale: Salvage, Recovery, Sealed Bid

2. Boundary Lines: Sale boundary defined by blowdown patch west of 7100 road. Project point A marked with orange sign at location shown on the Exhibit "A".

3. Revenue Distribution: 100% CSL; 100% Douglas County

4. Sale Acreage: The salvage area is comprised of approximately 4.3 acres of blowdown timber and will be accessed by cutting four cable yarding corridors totaling approximately 1 acre. Total sale area is 5.3 acres. Salvage area acreage was determined from electronic digitizing using the ArcView GIS program.

Salvage Acres	Corridor Acres	Total Net Harvest Acres
4.3	1.0	5.3

5. Volume by Species, Fund and County. See Attached table.

6. Grade: (by Percent):

Species	3 Peeler %	Spec. Mill %	2 Saw %	3 Saw %	4 Saw/Camprun %	Peelable Cull & Utility
Douglas-fir			85 %	15 %	0 %	Nominal
Hemlock				100 %	0 %	Nominal
Cedar				100 %	0 %	Nominal
Hardwoods					100 %	--

7. Cruise: The timber type containing the salvage area was contract cruised as part of the Deer Creek No.6 timber sale in September 1999. Eighty plots alternating between 2 count plots for every cruise plot were spaced 1 chain apart. All plots were downhill half plots with cruise plots measured for height, grade, and defect. This 1999 cruise data was used to estimate the volume of blowdown and corridor timber for the Deer Creek Salvage sale. Additional deductions were made for breakage and deterioration. Blowdown timber may contain nominal amounts of peelable cull and utility grades.

A. Summary data:

Diam	Ht. Stand	Form Pt.	Form Factor	CV %	SE %
D4H	6" DIB	Conifer: 16' Hardwood: 16'	Recorded for all cruised trees by estimate and measure	35 %	3.9 %

B. Defect and Breakage Summary:

BY PERCENT

SPECIES	CRUISED DEFECT	HIDDEN DEFECT	BREAKAGE	TOTAL %
DOUGLAS FIR	1	18	12	30
HEMLOCK	0	25	10	35
CEDAR	0	10	10	20
HARDWOODS	0	20	--	20

C. Stand Data:

SPECIES	DBH	TREES/ACRE	BASAL AREA/AC	NET MBF/ACRE
DOUGLAS FIR	24	96	303	72
HEMLOCK	30	1.3	6.4	2
CEDAR	25	.3	.9	<.2
HARDWOODS	16	.9	1.3	<.1

8. Timber Description: Timber for this salvage sale is a four acre patch of windthrown timber from the winter storms of 2001-02 plus one acre of cable yarding corridors. The timber type containing the salvage patch is a 116 year old stand of Douglas-fir with minor amounts of western hemlock, red cedar, and red alder. Blowdown timber quality is average to good with some sapwood deterioration.

9. Topography: The salvage area occupies both slopes on either side of a Type N tributary of Deer Creek. Most of the salvage material originated on the north facing slope immediately adjacent to the Deer Creek No. 6 timber sale which was logged in the fall of 2000. Slopes are steep ranging from 60 percent to over 70 percent.

10. Logging Method: The salvage area will be cable logged uphill via approximately four corridors 12 - 16 feet wide to an existing landing on the 7100 road. Severely leaning trees will be felled, bucked, and cable yarded to the 7100 road. The salvage area is within the quarter mile seasonally restricted area of the Charlotte Headwaters Marbled Management Area. Motorized equipment will not be allowed to operate from April 1 to August 5. From August 6 to September 15 operations may be permitted with daily timing limits. Full suspension will be required while yarding over the Type N drainage, and single end suspension will be maintained over the remainder of the salvage area.

11. Access: To access the salvage area from the west, take the Lakeside exit off Highway 101, continue east on North Lake Road to the 4000 road (Benson Ridge Road). Continue on the 4000 road for 7.5 miles to the 2000 road. Continue north on the 2000 to the 7000 road. Continue east on the 7000 road for approximately 2.6 miles to the junction of the 7100 road. Continue south on the 7100 for approximately ¼ mile to the sale area. To access from the north, take the Loon Lake Rd (Mill Creek Road) from Highway 38 and continue for approx 1.7 miles to the 7500 road. Turn west onto the 7500 and follow the road uphill to the 7000 junction. Continue west on the 7000 road for approximately 3.5 miles to the 7100 road.

12. Projects: See attached "Project Cost Summary Sheet"

Project No. 1: Landing Improvement

NET VOLUMES AND ACREAGE

Deer Creek Salvage

SALE AREA & SPECIES		Tree cnt. 100% Units	NET VOLUMES (MBF)							Total Vols.	Vol. per Acre
			By County and Fund								
			Coos			Douglas					
Areas	Spec		FRA	FDF	Total	FRA	FDF	Total			
	D-fir				0	267			267	267	53.4
	Hem				0	7			7	7	1.4
	Cedar				0	1			1	1	0.2
	Hdwd				0	1			1	1	0.2
TOTALS					0	0	0	276	0	276	276

TOTAL SALE VOLUME BY SPECIES

Douglas-fir 267 MBF
Hemlock 7 MBF
Cedar 1 MBF
Hdwd 1 MBF

Report by: J. Haynes

Date: 6/18/2004

Unit For: Home Line 6/29/04
Date

Asst. Dist. For: Greg Kreininger 6/29/2004
Date

Windthrown timber may contain nominal amounts of peelable cull and utility grades

NET HARVEST ACREAGE BY COUNTY (to nearest acre)

Sale Area	Coos County						Douglas County						TOTAL ACRES
	FRA			FDF			FRA			FDF			
	Conifer		Hard wood	Conifer		Hard woods	Conifer		Hard woods	Conifer		Hard woods	
	cc	pc		cc	pc		cc	pc		cc	pc		
							5						5
SUM	0	0	0	0	0	0	5	0	0	0	0	0	5

cc- clearcut

pc- partial cut

FDF- Forest Development Fund

FRA- Forest Revenue Account

CRUISE VOLUME COMPUTATION REPORT

SALE NAME:	Deer Creek Salvage	DATE:	6/18/2004
LEGAL LOCATION:	Secs 30 and 31	BY:	J. Haynes
	T22S, R10W, W.M.		
	Douglas County, OR		

NET FIELD VOLUME MBF (gross volume less field cull)

SPECIES AREAS	Doug-fir	Doug-fir old-grwth	Hemlock	Cedar	Hardwds	TOTAL BY AREA	
sale area	381		11	1	1		394
unit total	381	0	11	1	1	0	394
TOTAL	381	0	11	1	1	0	394

DEFECT AND BREAKAGE

sale area Species	Doug-fir	Dg-fr OG	Hemlock	Cedar	Hardwds
Hidden	0.18		0.25	0.10	0.20
Breakage	0.12		0.10	0.10	
Total	0.30	0.00	0.35	0.20	0.20

NET VOLUME BY MBF BY AREA

SPECIES AREAS	Doug-fir	Dg-fr OG	Hemlock	Cedar	Hardwds	TOTALS BY AREA	
Sale Area	267	0	7	1	1	0	276
TOTALS	267	0	7	1	1		276








NET VOLUME BY GRADE AND MBF

Grade >>>>>>>>>>		2 PEE	3 PEE	SM	2 SAW	3 SAW	4 SAW/CR
Sale Area	Species						
	Doug-Fir	0	0	0	227	40	0
	Hemlock		0	0	0	7	0
	Cedar		0	0	0	1	0
	Hdwds						1

GRADE DISTRIBUTION BY PERCENT

Grade >>>>>>>>>>		2 PEE	3 PEE	SM	2 SAW	3 SAW	4 SAW
Sale Area	Doug-fir	0%	0%	0%	85%	15%	0%
	Hemlock	0%	0%	0%	0%	100%	0%
	Cedar	0%	0%	0%	0%	100%	0%
	Hardwood						100%



-  Purchaser maintained roads
-  State maintained roads
-  Point for project work
-  Salvage area
-  Cable yarding corridor
-  Type N streams
-  Type F streams

Deer Creek Salvage Logging Plan

250 0 250 Feet



approx. scale 1" = 250'
20 foot contour interval

