



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Camp Creek Sale 341-04-52

District: Coos

Date: 7/10/03

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,060,456.80	\$0.00	\$1,060,456.80
		Project Work	(\$36,404.00)
		Advertised Value	\$1,024,052.80



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Timber Description Camp Creek Sale 341-04-52

District: Coos

Location: Portions of Section 26; T22S; R10W; W.M.; Douglas County, Oregon

Date: 7/10/03

Stand Stocking: 80%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	31	0	95

Volume by Grade	Douglas - Fir	Total
3P	218	218
SM	233	233
2S	1,439	1,439
3S	498	498
4S	72	72
Total	2,460	2,460

Comments: Pond Values Used: 2nd Quarter 2003

Purchaser will need to enter into a license agreement with BLM as per a cooperative agreement between ODF and BLM. There is a road maintenance fee of \$0.62/mbf/mile on the BLM 22-10-35.0 Road and a rock wear fee of \$0.56/mbf/mile on the BLM 22-10-36.0 Road.



Timber Sale Appraisal Logging Conditions Camp Creek Sale 341-04-52

"STEWARDSHIP IN FORESTRY"

Combination#: 1 Douglas - Fir 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: 14 **Bd. Ft./Load:** 4,000

Cost/MBF: \$59.23

Machines:
Log Loader (A)
Tower Yarder (Medium)



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal

Logging Costs

Camp Creek

Sale 341-04-52

Date: 7/10/03

Operating Seasons: 1.0

Profit & Risk: 10%

Project Costs: \$36,404

Other Costs (P/R): \$9,806

Slash Disposal: \$0

Other Costs: \$3,718

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

Road Maintenance: \$0.00

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$32.50	4.0	4.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Logging Costs Breakdown Camp Creek Sale 341-04-52

Costs	Douglas - Fir
Logging	59.23
Road Maintenance	0.60
Fire Protection	1.10
Hauling	34.21
Other (P/R appl.)	3.99
Profit & Risk	9.91
Slash Disposal	0.00
Scaling	2.00
Other	1.51
Total	112.55

Amortization	0.00
Pond Value	543.63
Stumpage	431.08
Amortized	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary Camp Creek Sale 341-04-52

Amortized

	Douglas - Fir
MBF	0.00
Value	0.00
Total	0.00

Unamortized

	Douglas - Fir
MBF	2,460.00
Value	431.08
Total	1,060,456.80

Gross Timber Sale Value

Recovery \$1,060,456.80

Prepared by: Robert Fields

Date: 7/10/03

District: Coos

Phone: (541) 267-1755

**SUMMARY OF CONSTRUCTION COST
Camp Creek**

Project No. 1A: Road and Landing Construction

Points: D to E Length: 380' Type: 14' no ditch

Clearing and Grubbing

..... 0.5 acres at \$790.00 per acre = \$395.00

Total clearing and grubbing \$395.00

Excavation

Drill and Shoot	..... 410	cubic yds at	..... \$3.00	per cu yd	..... \$1,230.00
Cat excavation and shape waste area	..... 15	hrs at	..... \$125.00	per hr	..... \$1,875.00
Excavation	..... 3083	cubic yds at	..... \$1.19	per cu yd	..... \$3,668.77
Laborer	..... 30	hrs at	..... \$30.00	per hr	..... \$900.00

Total Excavation \$7,673.77

Hauling

Endhaul to waste area at Pt G (1.0 mi RT) 3083 cubic yds at \$1.62 per cu yd \$4,994.46

Total Hauling \$4,994.46

Grade Road Surface

..... 1 hrs at \$75.00 per hr \$75.00

Total Grading \$75.00

Project 1A Cost \$13,138.23

Project No. 1B: Landing Construction

Point: F

Time to construct landing 6 hrs at \$110.00 per hr \$660.00

Project 1B Cost \$660.00

Move-in

Equipment	Miles	Mileage Factor	Equipment Allowance	Total
Excavator	50	1	\$533.00	\$533.00
D8 Cat	50	1	\$533.00	\$533.00
Grader	50	1	\$241.00	\$241.00
Drill & Comp	50	1	\$241.00	\$241.00
Dump Truck	50	1	\$144.00	\$144.00
Dump Truck	50	1	\$144.00	\$144.00

Total Move-in \$1,836.00

Project 1 Cost \$15,634.23

**SUMMARY OF CONSTRUCTION COST
Camp Creek**

Project 2A: Road Improvement

Points A to B Length: 4807' Type: 14' w/ditch

Clearing and Grubbing

Roadside brushing (chainsaw/pruning saw) 5 hrs at \$30.00 per hr \$150.00

Total clearing and grubbing \$150.00

Grade Road Surface

Remove ruts, smooth road surface 4 hrs at \$75.00 per hr \$300.00

Total Grading \$300.00

Project 2A Cost \$450.00

Project 2B: Road Improvement

Points B to C Length: 5043' Type: 14' w/ditch

Clearing and Grubbing

Roadside brushing (chainsaw/pruning saw) 10 hrs at \$30.00 per hr \$300.00

Total clearing and grubbing \$300.00

Grade Road Surface

Pull ditches, remove ruts, smooth road surface 4 hrs at \$75.00 per hr \$300.00

Total Grading \$300.00

Project 2B Cost \$600.00

Total Project 2 \$1,050.00

Project 3: Road Surfacing

Points: A to B and B to C

Rock Size: 1 1/2" - 0"

Intermittant rock for after improvement 136 yds at \$6.10 per yd \$829.60

Haul cost for rock (1.75 hr RT) 136 yds at \$8.75 per yd \$1,190.00

Total Project 3 \$2,019.60

SUMMARY OF CONSTRUCTION COST
Camp Creek

Project No. 4: Cougar Pass Stockpile

Location: 7000/7700 Rd Jct
 Measured amount: 1000 cubic yards
 Delivered amount: 1200 cubic yards (20% expansion)
 Size: 1 1/2" - 0"

Cost per cubic yard at crusher (Parker Ck):	\$6.10	per cu yd
Haul cost per cubic yard (2.3 hr. RT):	\$8.12	per cu yd
Piling and shaping cost per cubic yard:	\$0.53	per cu yd

Total cost per cubic yard:	\$14.75	per cu yd
Total cubic yards:	1200	cubic yards

Total Cost for Stockpile rock: \$17,700.00

Project 4 cost \$17,700.00

Total Project Costs \$36,403.83

TIMBER SALE SUMMARY

Camp Creek

1. **Type of sale:** Final harvest; 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.
3. **Revenue Distribution:** 100% CSL, 0% BOF.
4. **Sale Acreage:** The net harvested area is 34 acres. The acreage was determined using ArcView software by digitizing the boundary over an orthophoto image and then calculating the area using a measuring tool in an ArcView program extension.
5. **Volume by Species, Fund, and County:** See table on page 3.
6. **Grade by Percent:**

Species	3 Peeler	Special Mill	2 Saw	3 Saw	4 Saw/Camp
Douglas-fir	9	9	59	20	3

7. **Cruise:** The sale area was variable plot cruised using the Big BAF cruise design, which consisted of 69 nested plots. Each plot consists of both a full 40 BAF count plot and a full 360 BAF measure plot. The 40 BAF count plot was used to tally the number of trees by species to determine stand basal area. The 360 BAF plot was used to obtain height, grade and defect. Fifty- nine Big BAF trees were cruised for diameter, height, grade and defect. Cruising was done by ODF Foresters and compiled using Superace and Excel, in June 2003. The combined sampling error for board foot volume was 7.6%.

A. Cruise Summary Data:

Diameter	Top Diameter	Form Point	Form Factor	CV %	SE %
D4H	Total Height	Conifer: 16' Hardwood: 16'	Recorded or estimated on all trees	37	7.6

B. Stand Summary:

Species (By Area)	D4H	Trees per Acre	Basal Area (ft ² /ac)	Net BF per acre
Douglas-fir	31	47	250	72
Hemlock	23	6	23	Reserved from Harvest
Red Cedar	24	3	10	Reserved from Harvest
Hardwoods	16	3	5	Reserved from Harvest

C. Green Tree Retention Summary: The following volumes represent trees within the cruised portion of the sale area that are marked with red paint or otherwise reserved from harvest for the purposes of retention. These tree volumes were deducted from the cruise results.

Species	Douglas Fir	Western Hemlock	Western Red Cedar	Hardwoods
Volume (MBF)	119	152	19	11

- 8. Timber Description:** The majority of the sale area is composed of 120 to 145 year old second growth Douglas Fir of good to average quality, intermixed with small amounts of Western hemlock, Old-growth Douglas Fir, Western red cedar with an under-story of Big-leaf Maple and red alder. Douglas Fir old growth marked with red painted "W"s, Western hemlock, Western red cedar and hardwoods are to be left uncut.
- 9. Topography:** The sale area is moderately steep (>60%) with some gentler bench areas in the Area 1, northern portion of the unit. The topographic map for this area does not reflect the relief in great detail.
- 10. Logging Method:** The sale areas will be cable logged uphill with single-end suspension over the unit. Full suspension will be required as necessary to protect streams and RMAs. A motorized carriage may be needed to obtain the necessary suspension.
- 11. Access:** From Reedsport, take Highway 38 for approximately 13 miles to Douglas County Road No. 3 (Mill Creek/Loon Lake Road). Follow Douglas County Road No. 3 for approximately 5 miles and turn left on to Camp Creek Road (BLM). Take Camp Creek Road for approximately 2 miles and turn left, leaving the black top on to BLM 22-10-36.0 Road. Travel uphill, through the switchbacks on this road to State Spur 0440 until entering the sale area.
- 12. Projects:**
- Project No. 1: Road Construction
 - Project No. 2: Road Improvement
 - Project No. 3: Rock Surfacing
 - Project No. 4: Rock Stockpile

NET VOLUMES AND ACREAGE

SALE AREA & SPECIES	Tree cnt. 100% Units	NET VOLUMES (MBF)								Vol. per Acre	
		By County and Fund									
		Coos			Douglas			Total Vols.			
		CSL	BOF	Total	CSL	BOF	Total				
D-fir				0		2460		2460	2460	72	
Hem				0			0	0			
Cedar				0			0	0			
Hdwd				0			0	0			
TOTALS				0		0		2460	0	2460	2460

TOTAL SALE VOLUME BY SPECIES

Douglas-fir 2460 MBF
Hemlock 0 MBF
RedCedar 0 MBF
Hardwoods 0 MBF

Report by: R Fields

Date: 6/26/2003

Unit For. Strom Kline 6/27/03
Date

Asst. Dist. For. Greg Kreimeyer 6/26/2003
Date

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

ACREAGE BY COUNTY (to nearest acre)

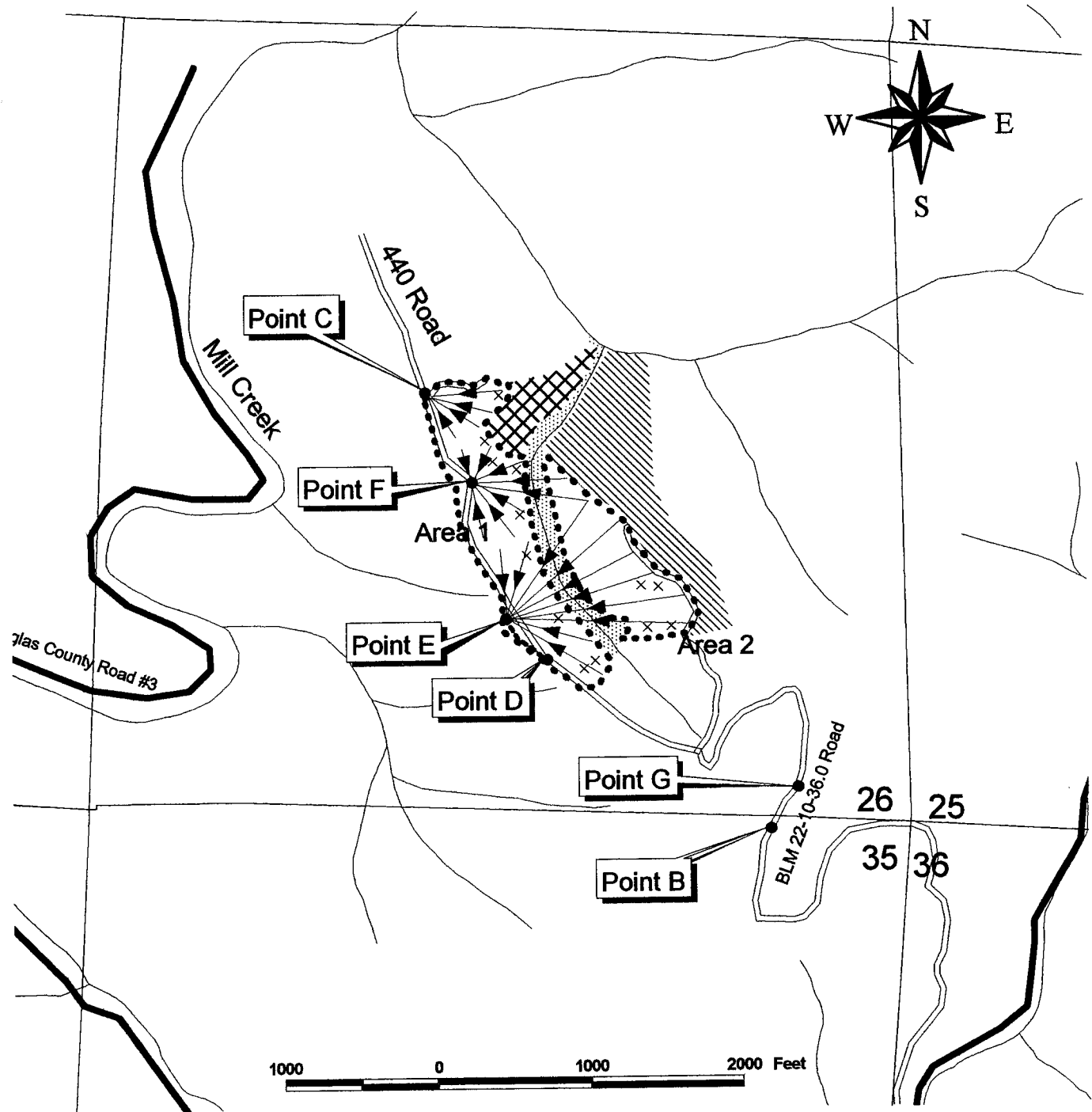
Sale Area	Coos County						Douglas County						TOTAL ACRES	
	CSL			BOF			CSL			BOF				
	Conifer cc	pc	Hard wood	Conifer cc	pc	Hard woods	Conifer cc	pc	Hard woods	Conifer cc	pc	Hard woods		
I							23							23
II							11							11
SUM	0	0	0	0	0	0	34	0	0	0	0	0	0	34

cc- clearcut

pc- partial cut

BOF - Board of Forestry

CSL - Common School Land



- Yarding Plan Section Lines
- Streams
- Timber Sale Boundary
- Stream Buffer
- Reforestation Area
- Green Tree Retention Area
- In-unit gtr.shp
- Paved Road
- Primary Road (Purchaser maintained)
- Primary Road (construction required)
- Project Points

**Camp Creek - Logging Plan
Exhibit "A"
Portions of Section 26, T22S; R10W; W.M.
Douglas County, Oregon**

**Approximate Size
Area 1 = 23 Acres
Area 2 = 11 Acres**