



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Beaver Domination
Sale 341-08-48

District: Klamath/Lake

Date: July 02, 2007

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sales Value	\$356,094.81	\$0.00	\$356,094.81
		Project Work:	\$(25,240.00)
		Advertised Value:	\$330,854.81



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Timber Description

Location: Portions of Sections 22, 23, 24, 25, & 26, T32S, R7-1/2E, W.M., Klamath County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
White Fir	12	0	96
Lodgepole Pine	12	0	96

Volume by Grade	Camprur	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
White Fir	0	180	33	106	260	579
Lodgepole Pine	2,166	0	0	0	0	2,166
Total	2,166	180	33	106	260	2,745

Comments: Pond Values Used: 2nd Quarter Calendar Year 2007.

Log Market: Klamath Falls and Medford

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (Profit and Risk to be added):

Dust Abatement: \$16,583

Brand and Paint: \$2,920

TOTAL Other Costs (Profit and Risk to be added) = \$19,503

OTHER COSTS (No Profit and Risk added):

Rock Replacement: \$3,862.48

TOTAL Other Costs (No Profit and Risk added) = \$3,862.48

Volumes and values for Shasta Red fir have been included with the White fir volumes and Values.



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Logging Conditions

Combination#: 1 White Fir 61.00%
 Lodgepole Pine 100.00%

Yarding Distance: Short (400 ft) **Downhill Yarding:** No
Logging System: Wheel Skidder **Process:** Feller Buncher
Tree Size: Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF
Loads / Day: 10.0 **Bd. Ft / Load:** 3,400
Cost / MBF: \$98.65

Machines: Log Loader (B)
Stroke Delimber (B)
Feller Buncher w/ Delimber
Tire Skidder

Combination#: 2 White Fir 39.00%

Yarding Distance: Short (400 ft) **Downhill Yarding:** No
Logging System: Wheel Skidder **Process:** Manual Falling/Delimiting
Tree Size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
Loads / Day: 10.0 **Bd. Ft / Load:** 4,000
Cost / MBF: \$79.39

Machines: Log Loader (B)
Tire Skidder



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Logging Costs

Operating Seasons:	1.00	Profit Risk:	12.00%
Project Costs:	\$25,240.00	Other Costs (P/R):	\$19,503.00
Slash Disposal:	\$0.00	Other Costs:	\$3,862.48

Miles of Road

Road Maintenance: \$0.70

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
White Fir	\$0.00	3.0	4.0
Lodgepole Pine	\$0.00	3.0	3.4

Local Pond Values

Date	Specie	Grade	Value
7/2/07	White Fir	CR 6" - 8"	\$340.00
7/2/07	White Fir	CR 8" - 14"	\$345.00
7/2/07	White Fir	CR 14" - 22"	\$350.00
7/2/07	White Fir	CR 22"+	\$350.00
7/2/07	Lodgepole Pine	Camprun	\$315.00



Timber Sale Appraisal
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"STEWARDSHIP IN FORESTRY"

District: Klamath/Lake

Date: July 02, 2007

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
White Fir									
\$91.14	\$0.73	\$1.60	\$54.16	\$7.10	\$18.57	\$0.00	\$2.00	\$1.41	\$176.71
Lodgepole Pine									
\$98.65	\$0.73	\$1.60	\$63.72	\$7.10	\$20.62	\$0.00	\$2.00	\$1.41	\$195.83

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$345.92	\$169.21	\$0.00
Lodgepole Pine	\$0.00	\$315.00	\$119.17	\$0.00



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Summary

Amortized

Specie	MBF	Value	Total
White Fir	0	\$0.00	\$0.00
Lodgepole Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
White Fir	579	\$169.21	\$97,972.59
Lodgepole Pine	2,166	\$119.17	\$258,122.22

Gross Timber Sale Value

Recovery: \$356,094.81

Prepared by: John Pellissier

Phone: 541-883-5681

Summary of Project Work



Beaver Domination 341-08-48

Project # 1: Road Improvement	\$ 1,550.00
Project # 2: Felling, yarding, and piling of submerchantable trees and pulp wood	\$ 23,150.00
Project # 3: Road Closures	\$ 540.00
	<hr/>
Total:	\$25,240.00

Beaver Domination

341-08-48

Other Costs (With Profit and Risk)



Road Maintenance

Move-in cost (grader):	\$	300.00
Number of Bladings		1
Number of Miles to be Bladed		8.6
Miles / Hour for equipment		0.5
Cost / Hour:	\$	195.00
Total Grading Hours:		17.2
Grading Cost:	\$	1,634.00
Total Cost:	\$	1,934.00
Cost / MBF	\$	0.70

Dust Abatement (Profit & Risk Included)

LP	2,166,000	BF	79%	Average Load	3000	BF	722	# of Loads
WF	279,000	BF	10%	Average Load	4000	BF	70	# of loads
SRF	300,000	BF	11%	Average Load	4000	BF	75	# of Loads
Total:	2,745,000	BF				Total Loads	867	

Assume:

6	Trucks/Day
2	Trips / Day
12	Loads Per Day

73	Hauling Days
	Hours / Day
\$ 75.00	Cost / Hour
\$ 158.00	Move-in Cost
219	Total Hours
\$ 16,583.00	Dust Abatement Cost
\$ 6.04	Cost / MBF

Brand & Paint (Profit and Risk Included)

73	Hauling Days
	Hours / Day
\$ 20.00	Cost / Hour
\$ 2,920.00	Total Cost
\$ 1.06	Cost / MBF

Other Costs Summary (Profit and Risk Included)

\$ 16,583.00	Total Cost for Dust Abatement
\$ 2,920.00	Total Cost for Log Branding
\$ 19,503.00	Total Costs (Profit and Risk Included)
\$ 7.10	Cost / MBF

Beaver Domination

341-08-48
Project Work



"STEWARDSHIP W/FORESTRY"

232 Road Rock Replacement (No Profit and Risk)

Rock Surfacing ~ Delivered

3/4" -	Rock Size	
0.18	Length (Miles)	
950	Length (feet)	
16	Width (feet)	
9	Depth (inches)	
3,800.0	Cubic Feet	
140.7	Cubic Yards	
\$ 16.20	Cost / Yard	
1.3	Expansion Factor	
183.0	Cubic Yards (Loose)	
1.95	Tons/Cubic Yard	
247.00	Tons	
11	No. of Belly Dump Loads	
\$ 12.00	Price / Ton	
\$ 2,964.00	Total Price	

Rock Spreading (Grader)

Number of Bladings	1
Number of Miles to be Bladed	0.18
Miles / Hour for equipment	10.25
Cost / Hour:	\$ 95.00
Total Grading Hours:	2.88
Grading Cost:	\$ 273.48

Pull Ditches / Shape Road

Feet / Hour	500
Total Feet	2500
Total Hours	5.0
Cost / Hour	\$ 95.00
Total \$	475.00

Water Truck to Work with Grader

Number of Hours	2.0
Cost / Hour	\$ 75.00
Total \$	150.00

Road Shaping & Surfacing Cost Summary

Rock Surfacing	\$	2,964.00
Rock Spreading	\$	273.48
Pull Ditches	\$	475.00
Water Truck	\$	150.00
Total Cost	\$	3,862.48

Beaver Domination

341-08-48

Project Work



Project #1: Road Improvement (Grader)

Total Feet	18,500	(232 Road)	Water Truck	Hours	3
Feet / Hour	3,000		Cost / Hour	\$	75.00
Cost / Hour	\$	95.00			
Total Hours	6.2		Total Cost:	\$	225.00
Total Cost:	\$	585.83			

Road Improvement (Dozer)

Points	Distance (feet)	Feet / Hour	Hours	Cost / Hour	Total Cost
D to E	5085	2000	2.54	\$ 100.00	\$ 254.25
H to K	2640	2000	1.32	\$ 100.00	\$ 132.00
I to J	1000	2000	0.5	\$ 100.00	\$ 50.00
Move in Cost (Dozer)	\$ 300.00				
Total Project #1:				\$	1,550.00
				Total Cost:	\$ 436.25

Project #2: Fell, Skid, & Pile Submerchable Material

395.00	Total Subsawlog Volume MBF	340,000	LP Green Pulp (BF)
		46	WF Green Pulp (BF)
\$ 42.50	Fell & Skid / MBF	9	SRF Green Pulp (BF)
\$ 7.50	Sort / MBF	93,000	BF Green Pulp (Variable Plot)
\$ 50.00	Total / MBF	302,000	BF Subsawlog (Fixed Plot)
\$ 19,750.00	Total Cost	395,000	Total Board Feet

Landing Cleanup (included with Project #2)

10	Number of Landings			
	Shovel Time:	1	Hours / Landing	\$ 1,200.00 cost/hour \$ 1,200.00
	Dozer Time:	1	Hours / Landing	\$ 1,000.00 cost/hour \$ 1,000.00
	Additional Shovel Time:	10	Hours	\$ 1,200.00 cost/hour \$ 1,200.00
Total Project # 2:				\$ 3,400.00

Project #3: Road Closures

Road Blocking		Close Road Segments	
3	Number of Closure Points (D, H, & L)	2	Number of Road Segments (D to L & H to I)
1	Hours / Point (includes travel)	1	Hours / segment
\$ 100.00	Cost / Hour (Dozer)	2	Total Hours (closing road segments)
\$ 3.00	Total Road Blocking Hours	\$ 120.00	Cost / Hour (shovel)
\$ 300.00	Total Cost	\$ 240.00	Total Cost
Total Project #3:		\$ 540.00	

Project Work Cost Summary

\$ 1,550.00	Project # 1 ~ Road Improvement
\$ 23,150.00	Project # 2 ~ Fell, Skid, & Pile Submerch. Material
\$ 540.00	Project #3 ~ Road Closures
\$ 25,240.00	Total Cost

Beaver Domination

341-08-48
Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Beaver Domination

LEGAL DESCRIPTION: T.32 S., R.7 ½ E., Portions of Sections 22, 23, 24, 25, and 26, of Township 32 South, Range 7 ½ East, W.M. Klamath County.

BOUNDARY LINES:

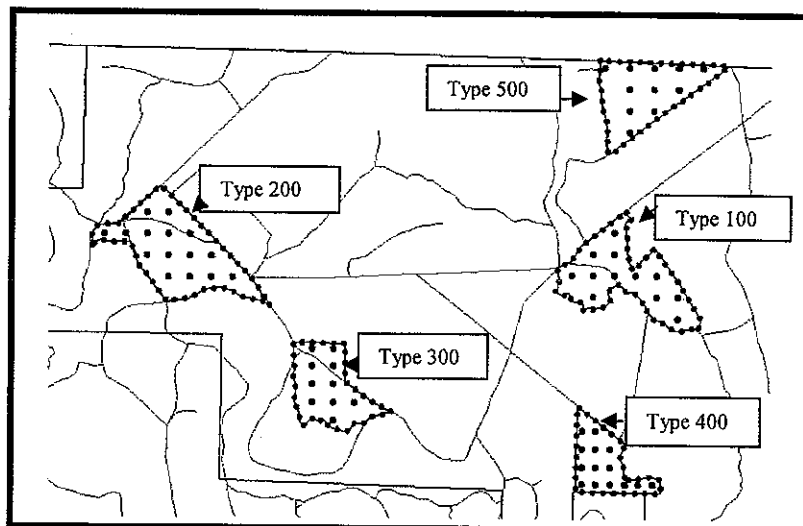
Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging. Road right of ways are posted with orange "Right of Way Boundary" signs, yellow paint, and blue and pink flagging.

FUND: 100% CSL.

ACREAGE: The timber sale was further delineated into five harvest units based upon location.

	<u>Acres</u>
Type 100	58
Type 200	69
Type 300	40
Type 400	29
Type 500	49
Approximate Sale Acreage:	245 acres

Mapping was accomplished using a handheld Global Positioning System unit with the data run on the district Geographical Information System Program.



TREATMENT:

Area I is a selection cut, Lodgepole pine is leave tree marked with orange paint. White fir and Shasta red fir is cut tree marked with blue paint. Area II, III, IV, & V, are selection cuts, with all leave trees marked in orange paint. Wildlife trees are designated with an orange "W".

CRUISE METHOD:

Variable Plot cruise with all the plots being measure plots. Fixed plot cruise for all submerchantable material (5.0" to 8.0"), with all plots being measure plots. Measure and grade all trees.

BASAL AREA FACTOR:

Type	BAF	Type Acreage
100	20BAF	58 acres
200	20 BAF	69 acres
200	20 BAF	40 acres
400	20 BAF	29 acres
500	20 BAF	49 acres

Full point plots taken, 1/50th acre fixed plots for submerchantable material (5.0" to 8.0" DBH)

PLOT DESIGNATION:

Plot centers were established at every plot. Black and Pink Candy striped flagging with the corresponding plot number was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

Area I			
	CV %	Desired SE %	Acres
Type 100	42	12	58
Type 200	47	12	69
Type 300	40	12	40
Type 400	45	12	29
Type 500	40	12	49

$$\text{Number of Plots} = \frac{T^2 C^2}{A^2}$$

C = Coefficient of Variation in Percent (Taken from inventory data)

T = Number of Standard Errors

A = Desired Sampling Error for a sale of this size and value

$$\text{Type 100 Number of Plots: } \frac{(1)^2(42)^2}{12^2} = 12 \text{ Plots}$$

$$\text{Type 200 Number of Plots: } \frac{(1)^2(47)^2}{12^2} = 15 \text{ Plots}$$

$$\text{Type 300 Number of Plots: } \frac{(1)^2(40)^2}{12^2} = 11 \text{ Plots}$$

$$\text{Type 400 Number of Plots: } \frac{(1)^2(45)^2}{12^2} = 14 \text{ plots}$$

$$\text{Type 500 Number of Plots: } \frac{(1)^2(40)^2}{12^2} = 11 \text{ plots}$$

Measurements and Grading:

- DBH and Height were measured on all “in” trees in the plot.
- All plots were measure plots.
- Pulp volume and sawlog volume cruised.
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.
- Separate fixed plot cruise for all submerchantable material (5.0”to 8.0”)

TREE HEIGHT:

All trees were measured to a fixed diameter outside bark. This height is usually taken as high up the bole as possible, where the cruiser can clearly see the bole, and the taper remains constant. (Usually 6 to 8 inches). The log segments are broken out and graded accordingly.

MINIMUM D.B.H.:

8.0" D.B.H. for sawlog volume. (Must have a minimum of 20 board feet.)
5.0" D.B.H. for pulp volume.

DIAMETER STANDARDS:

1" diameter class

BTR:

Standard ratios were used. See attached species tables.

FORM FACTOR:

Form factor was measured or estimated at 16' for each tree. Each tree was assigned its own FF.

FORM POINT:

All trees were sighted at D.B.H.

VOLUME COMPUTATION:

All cruise data was input and run at the district on Atterbury's Super Ace program.

CRUISER: John Pellissier

FINAL CRUISE RESULTS:

Area I			
	CV %	SE %	Acres
Type 100	58.9	17.7	58
Type 200	38.8	10.4	69
Type 300	69.3	21.9	40
Type 400	64.1	17.7	29
Type 500	42.2	13.3	49
Total Sale Area			
	CV %	SE %	Acres
All Types	62	7.8	245

TIMBER DESCRIPTION:

SAWLOG VOLUME:

This volume was obtained from the variable plot cruise. All material > 8.0" DBH.
 All material graded camprun
 See grade table for minimum standards.

Species	Average DBH	Net Volume (MBF)
Lodgepole pine	11.6	2,166
White fir	12.2	279
Shasta Red Fir	16.3	300
		Total: 2,745 MBF

(Volumes taken from Species, Sort Grade –Board Foot Volumes Report)

GREEN PULP VOLUME:

This volume was obtained from the variable plot cruise (>8" DBH) and the fixed plot cruise (5.0"-8.0").
 All material graded green pulp.
 See grade table for minimum standards.
 The summary for green pulp listed below includes all types for the timber sale.

Species	Green Pulp Volume (MBF)
Lodgepole pine	84
White fir	4
Shasta Red Fir	5
Total: 93 MBF	

(Volumes taken from Species, Sort Grade –Board Foot Volumes Report)

Species	Green Pulp Volume (MBF)
Lodgepole pine	256
White fir	42
Shasta Red Fir	4
Total: 302 MBF	

Total Green Pulp Volume: 395 MBF

TC PSTATS		PROJECT STATISTICS							PAGE	1	
		PROJECT LAMEBEAV							DATE	6/19/2007	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt	
32	7	00	VARIABLE	100	THR	245.00	63	316	1	E	
32	7	00	VARIABLE	500							
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			63	316	5.0						
CRUISE			63	316	5.0	31,672	1.0				
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE TREES		TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
LP PINE		244	110.8	11.6	39	81.0	9,568	9,184	2,108	2,108	
WHITE F		43	13.0	12.2	32	2	10.5	1,176	1,153	256	
SH RFIR		29	5.4	16.3	47	7.8	1,249	1,245	246	246	
TOTAL		316	129.3	11.9	39	99.4	11,993	11,582	2,610	2,610	
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		64.8	4.1	100	105	109					
WHITE F		111.7	17.0	151	182	213					
SH RFIR		103.3	19.5	339	421	503					
TOTAL		128.6	7.2	134	144	155	660	165	73		
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		59.8	3.8	23	24	25					
WHITE F		96.9	14.8	32	38	43					
SH RFIR		88.0	16.6	66	79	92					
TOTAL		103.5	5.8	29	31	33	428	107	48		
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		79.8	10.0	100	111	122					
WHITE F		287.4	36.2	8	13	18					
SH RFIR		279.1	35.1	4	5	7					
TOTAL		62.3	7.8	119	129	139	155	39	17		
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		73.7	9.3	74	81	89					
WHITE F		269.8	34.0	7	11	14					
SH RFIR		262.7	33.1	5	8	10					
TOTAL		52.4	6.6	93	99	106	109	27	12		
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		85.2	10.7	8,198	9,184	10,169					
WHITE F		260.9	32.8	774	1,153	1,531					
SH RFIR		290.4	36.6	790	1,245	1,700					
TOTAL		62.0	7.8	10,678	11,582	12,485	153	38	17		
CL	68.1	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
LP PINE		80.5	10.1	1,895	2,108	2,322					
WHITE F		263.6	33.2	171	256	341					

TC P5PCSTGR **Species, Sort Grade - Board Foot Volumes (Project)**

T32 R7 S00 Ty100 THRU T32 R7 S00 Ty500	Project: LAMEBEAV Acres 245.00	Page 1 Date 6/19/2007 Time 6:03:57PM
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Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log			Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf	
									6-7	8-14	15-22	23+	12-20	21-30	31-35	36-99				
LP	CR	CR		96	4.2	9,224	8,840	2,166	40	60	0	18	19	64	26	63	0.56	139.6		
LP	CR	GP		4		344	344	84	77	23		100			15	17	0.28	20.3		
LP	Totals			79	4.0	9,568	9,184	2,250	41	59	0	21	18	61	24	57	0.54	160.0		
WF	CR	CR		98	2.0	1,162	1,139	279	26	46	27	19	8	73	24	76	0.71	15.1		
WF	CR	GP		2		14	14	3	100			100			12	15	0.26	.9		
WF	Totals			10	2.0	1,176	1,153	282	27	46	27	20	8	73	23	72	0.69	16.0		
RF	CR	CR		98	.3	1,229	1,224	300	11	44	35	11	5	7	89	29	163	1.12	7.5	
RF	CR	GP		2		21	21	5	100			100			15	17	0.28	1.2		
RF	Totals			11	.3	1,249	1,245	305	12	43	34	10	6	7	87	27	142	1.05	8.7	
Totals					3.4	11,993	11,582	2,838	36	56	7	1	19	16	65	24	63	0.58	184.7	

Log Stock Table - MBF

T32 R7 S00 Ty100
THRU
T32 R7 S00 Ty500

Project: LAMEBEAV
Acres 245.00

Page 1
Date 6/19/2007
Time 6:03:51PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches												
									2-3	4-5	6-7	8-9	10-11	12-14	15-16	17-19	20-22	23-29	30-39	40+	
LP		CR	CR	12	44	6.5	41	1.8			6	5	7	17	5						
LP		CR	CR	17	363	4.1	348	15.5			269	45	23	11							
LP		CR	CR	27	410	2.3	401	17.8			189	128	62	22							
LP		CR	CR	34	1,422	4.7	1,355	60.2			392	462	358	144							
LP		CR	CR	35	21	4.1	20	.9				8	12								
LP		CR	GP	10	3		3	.1			3										
LP		CR	GP	12	9		9	.4			1	5	3								
LP		CR	GP	13	5		5	.2		3	3										
LP		CR	GP	14	22		22	1.0			4	16	3								
LP		CR	GP	15	5		5	.2		2		3									
LP		CR	GP	16	28		28	1.3		2	5	17	5								
LP		CR	GP	18	13		13	.6			4		9								
LP		Totals			2,344	4.0	2,250	79.3		6	19	895	668	462	194	5					
WF		CR	CR	12	0		0	.1			0										
WF		CR	CR	17	53	1.4	52	18.4			1	38	14								
WF		CR	CR	27	23	5.4	22	7.8				11	7		4						
WF		CR	CR	34	208	1.7	205	72.5				23	32	40	34	46	30				
WF		CR	GP	11	1		1	.4			1										
WF		CR	GP	12	2		2	.8				2									
WF		Totals			288	2.0	282	10.0		2	75	52	40	37	46	30					
RF		CR	CR	12	1		1	.5				1		1							
RF		CR	CR	17	13		13	4.3			6	2	5								
RF		CR	CR	27	20		20	6.5			10	7	3								
RF		CR	CR	34	267		266	87.0			17	24	24	64	29	75			32		
RF		CR	GP	14	3		3	1.0			1	2									
RF		CR	GP	18	2		2	.6				2									
RF		Totals			306		305	10.8		1	37	33	33	65	29	75			32		
Total		All Species			2,938	3.4	2,838	100.0		6	22	1007	753	535	296	80	106			32	

Species Table Report

TblSpecies

Date: 06/19/2007

Page: 1

Table Name: SUNPASS

Code	Abrv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Component	Yield Table	Min Log Dia	Min Log Len	Max Log Len	Log Trim	Max Tree Dia	Max Tree Hgt.	BdFt Rule	CuFt Rule	Weight
1	PP	P PINE	.87	PP	.85	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	M
2	WF	WHITE F	.94	NF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M
3	LP	LP PINE	.96	DF	.9	C	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	M
5	SP	SUG PINE	.87	PP	.84	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	M
6	IC	INC CED	.9	SS	.8	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M
4	DF	DOUG-FIR	.92	DF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M
7	RF	SH RFIR	.924	DF	.89	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	M

TblSortGrade

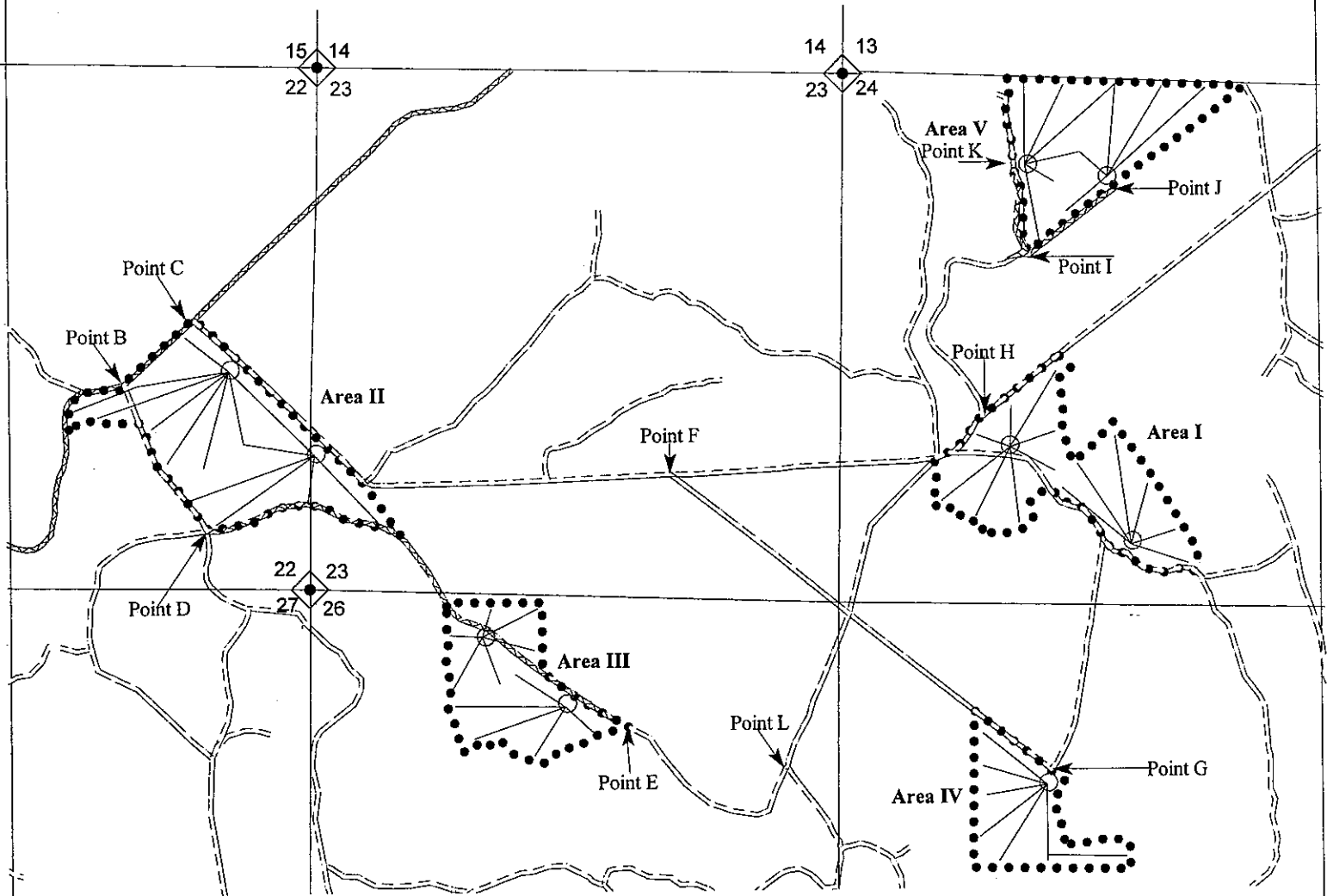
Sort/Grade Table

Table Name: KLAMATH

Date: 06/19/2007

Sort	Grd	Abr	Desc	Fbr	Min Dia	Max Dia	Max l Butt	Min Len	Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot Size	Knot Freq	Str	Sap	Min Age	Lbs	Lbs Type	Cords	Cords Type
0		CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	
1		CR	CAMPRU	G	6	0	0	10	99	0	0	M	0	0	0			0	0		0	
7		GP	GRNPULP	G	3	0	0	10	99	0	0	M	0	0	0			0	0		0	
8		DP	DEADPUL	G	3	0	0	10	99	0	0	M	0	0	0			0	0		0	
9		UT	UTILITY	G	8	0	0	12	99	0	0	M	0	0	0			0	0		0	
0		CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	
1		CR	CAMPRU	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	









LOGGING PLAN
 OF TIMBER SALE CONTRACT NO.341-08-48
 BEAVER DOMINATION
 PORTIONS OF SECTIONS 22,23,24,25,&26,T32S.,R71/2E.,W.M.
 KLAMATH COUNTY

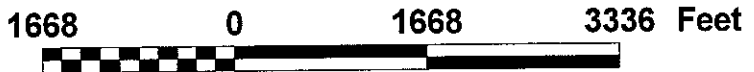


AREA I	58 acres
AREA II	69 acres
AREA III	40 acres
AREA IV	29 acres
AREA V	49 acres

Total Sale Acreage 245 acres (net)

LEGEND

-  Timber Sale Boundary (Posted)
-  Land survey monument
-  Skid trails
-  Landings
-  Section lines
-  Surfaced Road
-  Unsurfaced Road
-  Unsurfaced Road (Improvement Required)



Scale
 1:20,000
 1 inch = 1,668 feet