



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Rebert
Sale 341-12-67

District: Klamath/Lake

Date: December 30, 2011

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$426,523.75	\$0.00	\$426,523.75
		Project Work:	\$(37,769.75)
		Advertised Value:	\$388,754.00



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Date: December 30, 2011

timber description

Location: Portions of Sections 2, 3, 11, 13, and 14, T40S, R7E, W.M., Klamath County, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	16	0	95
White Fir	13	0	95
Ponderosa Pine	18	0	95

Volume by Grade	CR 14" -	CR 22"+	CR 6" - 8	CR 8" - 1	Total
Douglas - Fir	263	116	244	288	911
White Fir	240	0	369	412	1,021
Ponderosa Pine	115	0	132	169	416
Total	618	116	745	869	2,348



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comments: Pond Values Used: 4th Quarter Calendar Year 2011.

Log Markets: Klamath Falls and Medford.

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$740 daily truck cost.

Other Costs (with Profit & Risk to be added):

Dust Abatement: \$10,730

Log Branding & Painting: \$1,620

TOTAL Other Costs (with Profit & Risk to be added): \$12,350

Other Costs (No Profit & Risk added):

Road use fees: \$3,390.69

Water use fees: \$275.00

TOTAL Other Costs (No Profit & Risk added): \$3,665.69



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logging conditions

combination#: 1

	Douglas - Fir	35.00%
	White Fir	65.00%
	Ponderosa Pine	25.00%
yarding distance:	Medium (800 ft)	downhill yarding: Yes
logging system:	Wheel Skidder	Process: Feller Buncher
tree size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF	
loads / day:	12.0	bd. ft / load: 4,200
cost / mbf:	\$65.89	
machines:	Log Loader (B) Stroke Delimber (B) Feller Buncher w/ Delimber Tire Skidder	

combination#: 2

	Douglas - Fir	65.00%
	White Fir	35.00%
	Ponderosa Pine	75.00%
yarding distance:	Medium (800 ft)	downhill yarding: Yes
logging system:	Track Skidder	Process: Manual Falling/Delimbing
tree size:	Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF	
loads / day:	10.0	bd. ft / load: 4,500
cost / mbf:	\$75.69	
machines:	Log Loader (B) Track Skidder	



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logging costs

Operating Seasons:	2.00	Profit Risk:	12.00%
Project Costs:	\$37,769.75	Other Costs (P/R):	\$12,350.00
Slash Disposal:	\$0.00	Other Costs:	\$3,665.69

Miles of Road

Road Maintenance: \$0.89

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

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.5
White Fir	\$0.00	3.0	4.2
Ponderosa Pine	\$0.00	3.0	4.2



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Local Pond Values

Date	Specie	Grade	Value
12/30/11	Douglas - Fir	CR 6" - 8"	\$345.00
12/30/11	Douglas - Fir	CR 8" - 14"	\$365.00
12/30/11	Douglas - Fir	CR 14" - 22"	\$390.00
12/30/11	Douglas - Fir	CR 22"+	\$395.00
12/30/11	White Fir	CR 6" - 8"	\$290.00
12/30/11	White Fir	CR 8" - 14"	\$330.00
12/30/11	White Fir	CR 14" - 22"	\$340.00
12/30/11	White Fir	CR 22"+	\$345.00
12/30/11	Ponderosa Pine	CR 6" - 8"	\$270.00
12/30/11	Ponderosa Pine	CR 8" - 14"	\$330.00
12/30/11	Ponderosa Pine	CR 14" - 22"	\$370.00
12/30/11	Ponderosa Pine	CR 22"+	\$410.00



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District: Klamath/Lake

Date: December 30, 2011

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$72.26	\$0.93	\$3.74	\$51.39	\$5.26	\$16.03	\$0.00	\$5.00	\$1.56	\$156.17
White Fir									
\$69.32	\$0.93	\$3.74	\$55.06	\$5.26	\$16.12	\$0.00	\$5.00	\$1.56	\$156.99
Ponderosa Pine									
\$73.24	\$0.93	\$3.74	\$55.06	\$5.26	\$16.59	\$0.00	\$5.00	\$1.56	\$161.38

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$370.68	\$214.51	\$0.00
White Fir	\$0.00	\$317.89	\$160.90	\$0.00
Ponderosa Pine	\$0.00	\$322.02	\$160.64	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Rebert
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District: Klamath/Lake

Date: December 30, 2011

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
White Fir	0	\$0.00	\$0.00
Ponderosa Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	911	\$214.51	\$195,418.61
White Fir	1,021	\$160.90	\$164,278.90
Ponderosa Pine	416	\$160.64	\$66,826.24

Gross Timber Sale Value

Recovery: \$426,523.75

Prepared by: Ed Scheick

Phone: 541-883-5681

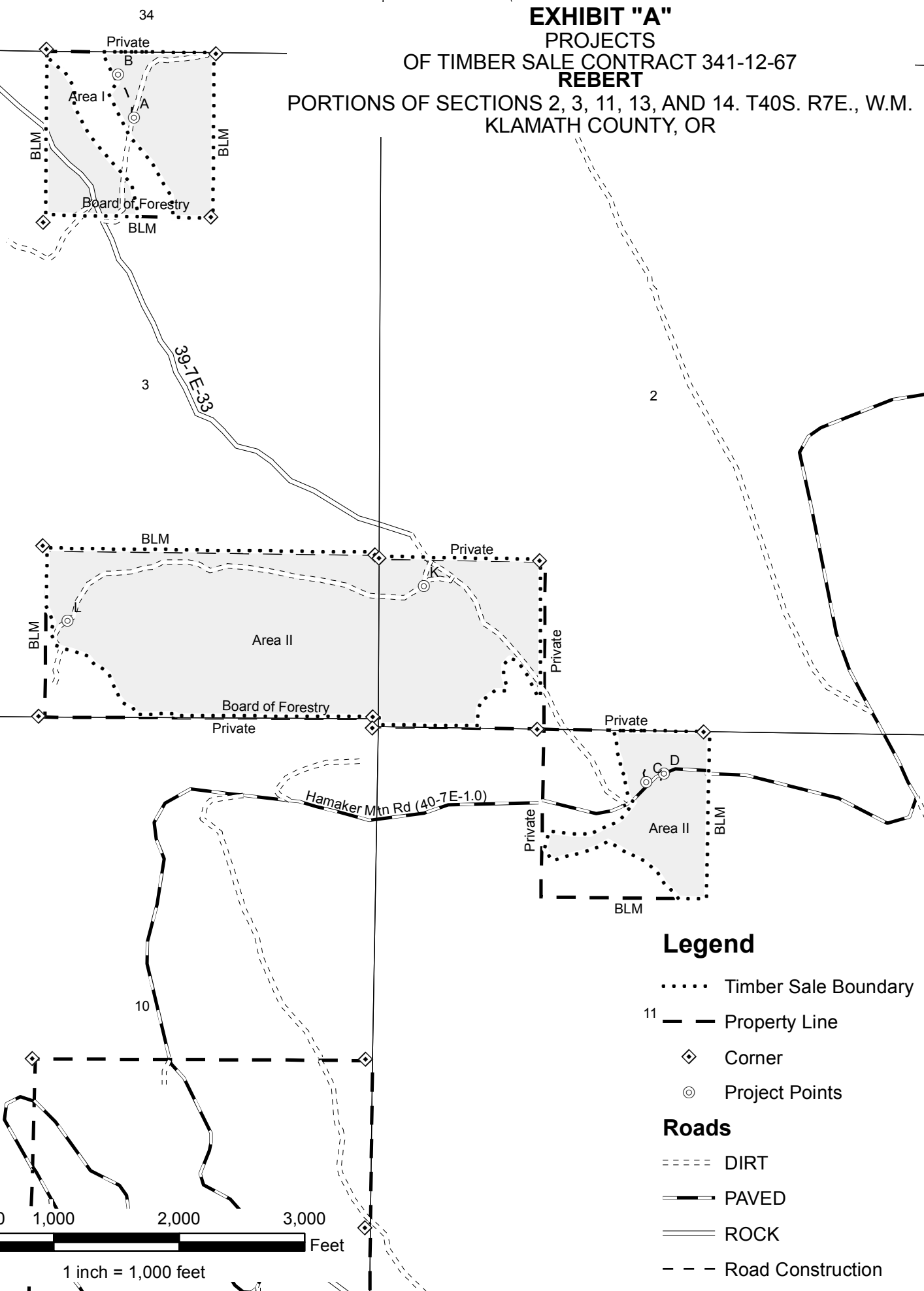
Summary of Project Work

Rebert
341-12-67



Project # 1: Road Improvement	\$3,622.25
Project # 2: Fell, Skid, and Pile Submerchantable Trees	\$29,377.50
Project # 3: Scarification of Planting Sites	\$2,650.00
Project # 4: Road Closure	<u>\$2,120.00</u>
Total:	\$37,769.75

EXHIBIT "A"
PROJECTS
OF TIMBER SALE CONTRACT 341-12-67
REBERT
PORTIONS OF SECTIONS 2, 3, 11, 13, AND 14. T40S. R7E., W.M.
KLAMATH COUNTY, OR



Legend

- Timber Sale Boundary
- 11 — — — Property Line
- ◊ Corner
- ⊙ Project Points

Roads

- DIRT
- == PAVED
- ==== ROCK
- - - Road Construction

Rebert

341-12-67

Other Costs

Road Maintenance

Move-in cost (grader):	\$400.00		
39-7E-33		40-7E-10.1	
Number of Bladings:	1	Number of Bladings:	2
Number of Miles to be Bladed:	2.4	Number of Miles to be Bladed:	2.8
Total Miles	8.0		
Miles / Hour for equipment:	0.5		
Cost / Hour (grader with operator):	\$105.50		
Total Grading Hours:	16		
Grading Cost:	\$1,688.00		
Total Cost:	\$2,088.00		
Cost / MBF:	\$0.89		

Dust Abatement (Profit & Risk to be added in Appraisal)

DF	911 MBF	39%	Average Load	4.5 MBF	No. of Loads	202
WF	1021 MBF	43%	Average Load	4.2 MBF	No. of Loads	243
PP	416 MBF	18%	Average Load	4.2 MBF	No. of Loads	99
Total:	2348 MBF				Total Loads	544

Assume:	4 Trucks/Day	
	3 Trips/Day	
	12 Loads per Day	
	45 Hauling Days	
		30 Days of Dust Abatement
		4 Hours/Day
		\$88.00 Cost/Hour
		120 Total Hours
		\$170.00 Move in for Water Truck
		\$10,730.00 Dust Abatement Cost
		\$10,730.00 Total Cost
		\$4.57 Cost/MBF

Brand & Paint (Profit and Risk to be added in Appraisal)

45 Hauling Days
1.5 Hours/Day
\$24.00 Cost/Hour
\$1,620.00 Total Cost
\$0.69 Cost/MBF

Other Costs Summary (Profit and Risk to be added in Appraisal)

\$10,730.00 Total cost for Dust Abatement	\$4.57 per MBF
\$1,620.00 Total Cost for Log Branding	\$0.69 per MBF
\$12,350.00 Total Other Costs	\$5.26 per MBF

Rebert

341-12-67

Project Costs

Project #1 Road Improvement and Construction

Move in Cost Dozer: \$400.00
Excavator Cost: \$400.00

Improvement

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	K to L	3317	1000	3.3	\$132.50	\$437.25
Open/Clear/Shape	M to N	1809	1000	1.8	\$132.50	\$238.50
Open/Clear/Shape	N to G	616	1000	0.6	\$132.50	\$79.50
Open/Clear/Shape	N to O	182	1000	0.2	\$132.50	\$26.50
Open/Clear/Shape	P to T	424	1000	0.4	\$132.50	\$53.00
Open/Clear/Shape	T to Q	980	1000	1.0	\$132.50	\$132.50
Open/Clear/Shape	Q to R	977	1000	1.0	\$132.50	\$132.50
Open/Clear/Shape	Q to S	770	1000	0.8	\$132.50	\$106.00
Open/Clear/Shape	T to I	2157	1000	2.2	\$132.50	\$291.50
	Total	11232			Total	\$1,497.25

Construction

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Construct Spur	A to B	362	500	0.7	\$132.50	\$92.75
Construct Spur	I to J	909	500	1.8	\$132.50	\$238.50
Construct Spur	G to H	830	500	1.7	\$132.50	\$225.25
Construct Spur	E to F	534	100	5.3	\$132.50	\$702.25
Construct Spur	At C	81	500	0.2	\$132.50	\$26.50
Construct Spur	At D	146	500	0.3	\$132.50	\$39.75
	Total	2862			Total	\$1,325.00

Project #1 Summary

Equipment Costs	\$800.00
Open/Clear Shape	\$2,822.25
Project #1 Total	\$3,622.25
per MBF	\$1.54

Rebert
341-12-67
Project Costs

Project #2 Felling, Skidding, and Piling of Submerchantable Trees

Total Sub-Sawlog Volume:	322 MBF
Fell and Skid and sort/MBF:	\$60.00
Total:	\$19,320.00
per MBF	\$8.23

Forwarding of Submerchantable Material

From Points F to W:

Move in Front End Loader:	\$ 400.00	
Front End Loader w/ Trailer:	6 Hours	Cost: \$100.00 per hour
		Total: \$1,000.00

From Points V to W:

Skidder Time:	12 Hours	Cost: 132.5 per hour
		Total: \$1,590.00

Total Forwarding Points F to W:	\$1,000.00
Total Forwarding Points V to W:	\$1,590.00
Total Forwarding:	\$2,590.00
per MBF	\$1.10

Landing Slash Piling

Number of Landings: 29

Shovel Time:	1 Hour per Landing	Cost per Hour:	\$125.00	Total Cost	\$3,625.00
Cat Time:	1 Hour per Landing	Cost per Hour:	\$132.50	Total Cost	\$3,842.50

Total	\$7,467.50
per MBF	\$3.18

Project #2 Summary

Fell/Pile/Skid:	\$19,320.00
Forwarding	\$2,590.00
Landing Cleanup:	\$7,467.50
Total:	\$29,377.50
per MBF	\$12.51

Rebert

341-12-67

Project Costs

Project #3 Scarification of Planting Sites

Work to be performed with a dozer or skidder equipped with a brush rake

Scarification				
Treatment Acres	Acres/Hour	Hours	Cost/Hour	Cost
20	1	20	\$132.50	\$2,650.00

Project #3 Summary

Scarification Total **\$2,650.00**
 per MBF \$1.13

Project #4 Road Closure

Road Closures

16	Number of Closure Points (A, D, E, I, K, N, Q, U)
1	Hour/Point (Travel Included)
\$132.50	Cost per Hour (Cat)
\$2,120.00	Total
\$0.90	per MBF

Cost Summary All Projects

\$3,622.25	Project #1 Road Improvement
\$29,377.50	Project #2 Fell, Skid, and Pile Submerchantable Trees
\$2,650.00	Project # 3 Scarification of Planting Sites
\$2,120.00	Project #4 Road Closure
\$37,769.75	Total
\$16.09	per MBF

REBERT

341-12-67
Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Rebert

LEGAL DESCRIPTION:

Township 40S, R7E, Portions of Sections 2, 3, 11, 13 & 14, W.M., Klamath County, OR.

BOUNDARY LINES:

Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

FUND:

100% B.O.F.

ACREAGE:

The timber sale was delineated into 4 Sale areas based upon stand history and silvicultural prescription . For cruising purposes, Types 628 and 630 were combined to form Area II. See attached map for the boundaries of the cruise types.

Area I , Type 627	30 Acres
Area II, Types 628 & 630	130 Acres
Area III, Type 638	285 Acres
Area IV, Type 640	15 Acres

Total Sale Acreage: 460 Acres

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

TREATMENT:

Sale areas I and III are single tree selection cuts with leave trees marked with orange paint for trees 5.0 inches dbh and larger. All trees less than 5.0 inches dbh are reserved from cutting in these sale areas. Sale area II is a single tree selection cut with cut trees marked with blue paint for trees 5.0 inches dbh and larger. Sale area IV is a diameter limit cut: all unmarked white fir greater than 10.0 inches dbh and all unmarked other species (douglas fir, ponderosa pine, sugar pine, and incense cedar) greater than 14.0 inches dbh to be cut. All orange marked trees are reserved from cutting in Area IV.

CRUISE METHOD:

For Areas I, II, III and IV : Variable plot cruise with a ratio of a count plot for every measure plot. Fixed plot cruise for all submerchantable material (5.0"to 10.0") dbh for Areas I, II, and III.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area I	10 BAF	30 acres
Area II	5 BAF	130 acres
Area III	14 BAF	285 acres
Area IV	10 BAF	15 acres

PLOT DESIGNATION:

Plot centers were established at every plot with blue flag wire stakes with the corresponding plot number. Candystripe blue and white flagging was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

AREA	CV%	DESIRED SE%	ACRES
Area I	50	13	30
Area II	75	13	130
Area III	75	13	285
Area IV	60	13	15

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

C = Coefficient of Variation in Percent (Taken from inventory data, no data for Area IV)

T = Number of Standard Errors

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

Area I $N = \frac{(1)^2(50)^2}{(13)^2} = 15 \text{ plots}$ Took 10 plots

Area II $N = \frac{(1)^2(75)^2}{(13)^2} = 33 \text{ plots}$ Took 25 plots

Area III $N = \frac{(1)^2(75)^2}{(13)^2} = 33 \text{ plots}$ Took 40 plots

Area IV $N = \frac{(1)^2(60)^2}{(13)^2} = 22 \text{ plots}$ Took 6 plots

Measurements and Grading:

- Ratio of a count plot for every measure plot.
- DBH and Height were measured on all "in" trees for 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" to 10" dbh. in Areas I, II, and III.

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 or 8 inches). The log segments are broken out and graded accordingly.

MINIMUM D.B.H:

10.0" dbh for sawlog volume. 5.0" dbh for submerchantable material.

DIAMETER STANDARDS:

1" diameter class

BTR:

Standard ratios were used. See attached species tables.

V\\Timber Sales\\Rebert \\Cruise report

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.

CRUISERS: Ed Scheick, Chris Weekly, Mike Dwyer, John Fitch.

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area I	56	18.6	30
Area II	90	18.5	130
Area III	75	12.0	285
Area IV	72	32.0	15
Combined	103	11.5	460

TIMBER DESCRIPTION**SAWLOG VOLUME:**

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

AREA I

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
Douglas Fir	13.0	100	100
Ponderosa Pine	15.3	24	24
Incense Cedar	15.3	3	3

AREA II

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
Douglas Fir	14.0	184	178
Ponderosa Pine	14.4	53	53
White Fir	12.1	83	71

AREA III

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	13.7	962	942
Douglas Fir	17.2	590	585
Ponderosa Pine	21.6	299	298
Sugar Pine	10.8	16	16

AREA IV

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
Ponderosa Pine	16.1	41	41
Douglas Fir	22.3	49	48
White Fir	12.3	12	8
Sugar Pine	29.3	4	4

TOTAL SAWLOG VOLUME

SPECIES	AVE. DBH	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	13.5	1057	1021
Douglas Fir	15.5	923	911
Ponderosa Pine	18.1	417	416
Sugar Pine	11.4	20	20*
Incense Cedar	15.3	3	3*

TOTAL NET SAWLOG VOLUME: 2348 MBF*

***For Appraisal Purposes Sugar Pine and Incense Cedar Volumes not Included.**

GREEN PULP VOLUME:

This volume was obtained from the fixed plot cruise (5.0" – 10.0" DBH).
All material was graded green pulp, see grade table for minimum standards.

SPECIES	F.PLOT VOLUME
Douglas Fir	140
White Fir	123
Ponderosa Pine	55
Incense Cedar	2

TOTAL GREEN PULP VOLUME: 320 MBF

Log Stock Table - MBF

Project: REBERT

T40S R07E S03 T0627

T40S R07E S03 T0627

Twp Rge Sec Tract Type Acres Plots Sample Trees
 40S 07E 03 AREA 1 0627 30.00 10 22

Page 1
 Date 11/16/2011
 Time 7:51:36AM

Spp	S	So	Gr	Log	T	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
										2-3	4-5	6-8	9-10	11-12	13-14	15-16	17-19	20-21	22-29	30-39	40+
DF	CR	CR	17			5		5	5.4			4	2								
DF	CR	CR	26			13		13	13.5			13									
DF	CR	CR	34			81		81	81.1			47	22			12					
DF					Totals	100		100	79.2			64	24			12					
PP	CR	CR	12			4	5.3	4	17.5					2	2						
PP	CR	CR	17			5		5	20.1			3		2							
PP	CR	CR	26			4	12.5	3	14.1			3									
PP	CR	CR	34			11		11	48.3			7		4							
PP					Totals	24	2.9	24	18.7			14		6	2	2					
IC	CR	CR	20			1		1	35.8			1									
IC	CR	CR	26			1		1	23.7			1									
IC	CR	CR	28			1		1	40.5			1									
IC					Totals	3		3	2.1			3									
Total All Species						127		126	100.0			81	24	6	2	14					

TC TLOGSTVB

Log Stock Table - MBF

Project: REBERT

T40S R07E S03 T0628

T40S R07E S03 T0628

Twp
40SRge
07ESec
03Tract
AREA 2Type
0628Acres
130.00Plots
25Sample Trees
71Page
Date
Time1
11/16/2011
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S Spp	So T	Gr rt	Log de Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-8	9-10	11-12	13-14	15-16	17-19	20-21	22-29	30-39	40+
DF	CR	CR	16	4	11.1	3	1.8								3				
DF	CR	CR	17	18		18	10.0			12	6								
DF	CR	CR	26	15		15	8.5			14	1								
DF	CR	CR	32	34		34	18.8							9	10		14		
DF	CR	CR	34	114	5.0	108	60.8			44	18	27	14	5					
DF			Totals	184	3.3	178	58.9			70	25	27	14	14	14		14		
WF	CR	CR	17	8		8	11.2			8									
WF	CR	CR	26	12	19.2	10	13.5			7	3								
WF	CR	CR	34	63	14.3	54	75.3		3	36	11	4							
WF			Totals	83	13.6	71	23.6		3	50	14	4							
PP	CR	CR	13	1		1	2.5				1								
PP	CR	CR	17	5		5	9.5			2	2	1							
PP	CR	CR	26	15		15	29.1			15									
PP	CR	CR	28	4		4	7.9							4					
PP	CR	CR	34	27	1.0	27	51.0			18	3	4	3						
PP			Totals	53		53	17.5			35	6	5	3	4					
Total All Species				320	5.5	302	100.0		3	155	45	35	17	18	14		14		

TC TLOGSTVB				Log Stock Table - MBF																			
				Project: REBERT																			
T40S R07E S14 T0638												T40S R07E S14 T0638											
Twp Rge Sec Tract				Type	Acres	Plots	Sample Trees				Page 1												
40S 07E 14 AREA 3				0638	285.00	40	78				Date 11/16/2011		Time 7:29:23AM										
S So Gr Log				Gross	%	Net	%	Net Volume by Scaling Diameter in Inches															
Spp T rt de Len				MBF	Def	MBF	Spc	2-3	4-5	6-8	9-10	11-12	13-14	15-16	17-19	20-21	22-29	30-39	40+				
WF	CR	CR	17	87	3.4	84	8.9			10	66	8											
WF	CR	CR	26	71	12.6	62	6.6			51		11											
WF	CR	CR	34	804	.9	796	84.5			253	143	68	93	92	77	70							
WF Totals				962	2.0	942	51.2			314	209	87	93	92	77	70							
DF	CR	CR	16	13		13	2.2											13					
DF	CR	CR	17	18		18	3.0			3	5	2	8										
DF	CR	CR	24	8		8	1.4							8									
DF	CR	CR	26	52		52	8.9			37		15											
DF	CR	CR	32	250	1.4	246	42.1							45	39	82	81						
DF	CR	CR	34	249	.7	248	42.3			69	14	69	69	28									
DF Totals				590		585	31.8			109	19	85	76	81	39	82	81	13					
PP	CR	CR	12	11		11	3.7							11									
PP	CR	CR	14	13		13	4.2							13									
PP	CR	CR	16	12		12	4.1						12										
PP	CR	CR	17	2		2	.7			2													
PP	CR	CR	26	6		6	2.0			6													
PP	CR	CR	32	55		55	18.4								29	26							
PP	CR	CR	34	174	.6	173	57.9			60	13	60	40										
PP	CR	CR	36	26		26	8.9							26									
PP Totals				299		298	16.2			68	13	60	52	50	29	26							
SP	CR	CR	34	16		16	100.0			16													
SP Totals				16		16	.9			16													
Total All Species				1,867	1.4	1,841	100.0			508	241	232	221	223	145	177	81	13					

TC TLOGSTVB

Log Stock Table - MBF

Project: REBERT

T40S R07E S13 T0640

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Twp Rge Sec Tract
40S 07E 13 AREA 4Type Acres Plots Sample Trees
0640 15.00 6 19Date 11/16/2011
Time 7:41:02AM

Spp	S	So	Gr	Log	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches												
									2-3	4-5	6-8	9-10	11-12	13-14	15-16	17-19	20-21	22-29	30-39	40+	
PP	CR	CR	16		3		3	7.3						3							
PP	CR	CR	17		4		4	9.8			1	3									
PP	CR	CR	34		34	1.0	34	82.9			14	15		5							
PP			Totals		41		41	40.6			15	18		5	3						
DF	CR	CR	16		5		5	10.9							3				2		
DF	CR	CR	17		1		1	1.5			1										
DF	CR	CR	26		4	2.8	4	8.9				2		2							
DF	CR	CR	32		26	3.7	25	51.5							6	13			6		
DF	CR	CR	34		13		13	27.2				11	2								
DF			Totals		49	2.2	48	47.8			1	13	2	2	6	16			8		
WF	CR	CR	34		12	31.7	8	100.0			4	4									
WF			Totals		12	31.7	8	7.9			4	4									
SP	CR	CR	16		0		0	4.3			0										
SP	CR	CR	32		4	5.6	4	95.7					1			2					
SP			Totals		4	5.4	4	3.7			0		1			2					
Total All Species					105	5.0	100	100.0			20	35	3	8	9	18			8		

Species Table Report

TblSpecies

Date: 11/28/2011

Page: 1

Table Name: SUNPASS

Code	Abv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Comp- onent	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	PPINE	.87	PP	.85	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
2	WF	WHITE F	.94	NF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000
3	LP	LP PINE	.96	DF	.9	C	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
4	DF	DOUG-FIR	.92	DF	.87	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5700
5	SP	SUG PINE	.87	PP	.84	C	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
6	IC	INC CED	.90	SS	.8	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	4500
7	RF	SH RFIR	.924	DF	.89	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000

TblSortGrade

Sort/Grade Table

Table Name: SUNPASS

Date: 11/28/2011

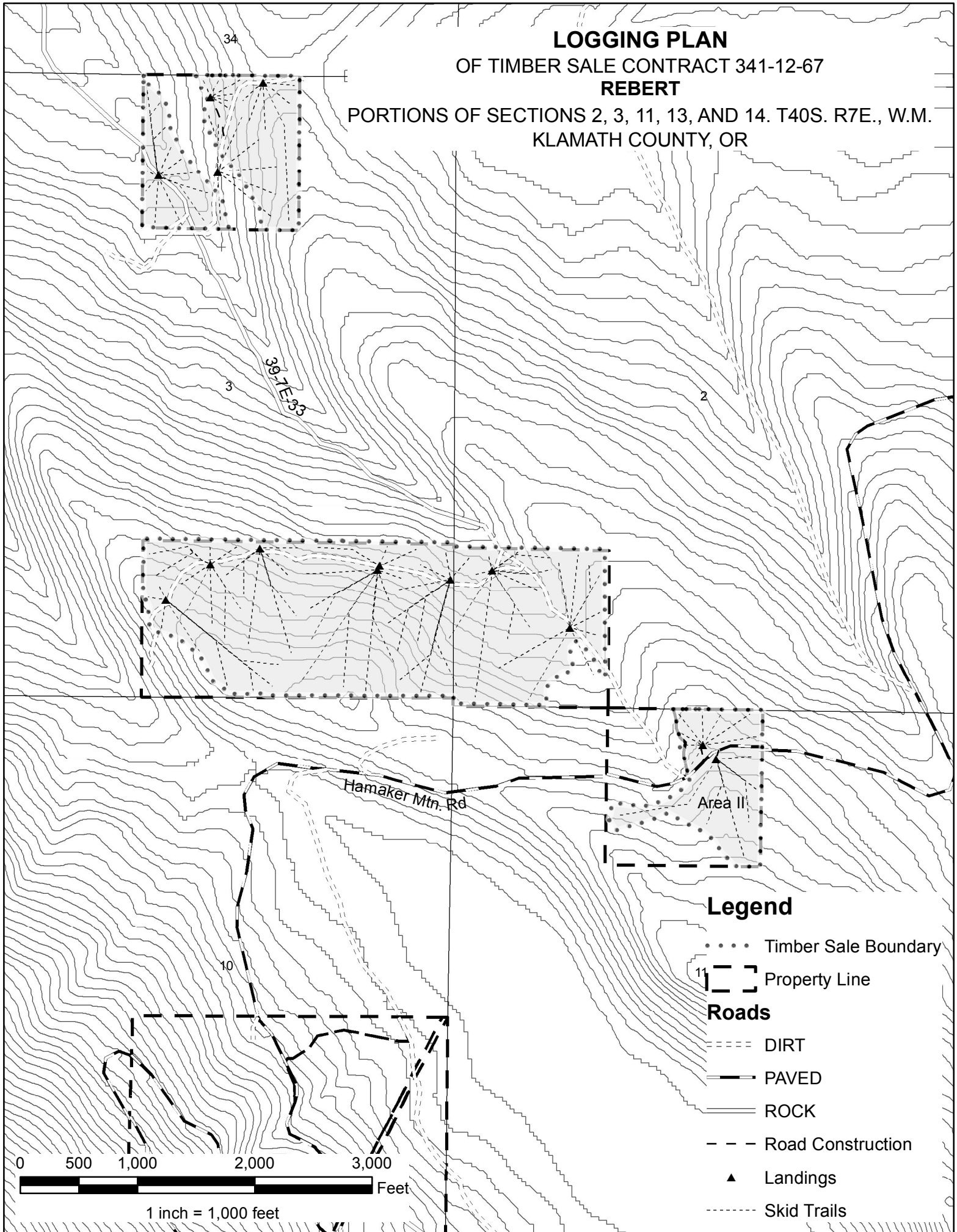
Sort	Grd	Abr	Desc	Fbr	Min Dia	Max Dia	Max l Butt	Min Len	Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot Size	Knot Freq	Str	Sap	Min Age	Lbs	Lbs Type	Cords	Cords Type
	0	CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0		0	
	1	CR	CAMPRU	G	6	0	0	10	99	0	0	M	0	0	0			0	0		0	
	7	GP	GRNPULP	G	3	0	0	10	99	0	0	M	0	0	0			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 341-12-67

REBERT

PORTIONS OF SECTIONS 2, 3, 11, 13, AND 14. T40S. R7E., W.M.
KLAMATH COUNTY, OR



LOGGING PLAN

OF TIMBER SALE CONTRACT 341-12-67

REBERT

PORTIONS OF SECTIONS 2, 3, 11, 13, AND 14. T40S. R7E., W.M.
KLAMATH COUNTY, OR

