



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Roger Thin  
Sale 341-08-31

District: Tillamook

Date: May 17, 2007

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**Cost Summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sales Value</b>	\$142,957.49	\$0.00	\$142,957.49
		<b>Project Work:</b>	\$(53,365.00)
		<b>Advertised Value:</b>	\$89,592.49



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**Timber Description**

Location: Portions of Section 15, T2N, R7W, W.M., Tillamook, Oregon.

Stand Stocking: 40%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	12	0	95
Western Hemlock / Fir	11	0	95

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	43	337	163	543
Western Hemlock / Fir	0	241	142	383
Total	43	578	305	926



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Comments: Pond Values Used: 1st Quarter Calendar Year 2007 + Local Pond Values.

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost  
 $\$797.62/\text{MBF} = \$1,150/\text{MBF} - \$352.38/\text{MBF}$

Red Alder Stumpage Price = Pond Value minus Logging Cost  
 $\$373.66/\text{MBF} = \$690/\text{MBF} - \$316.34/\text{MBF}$

HAULING

Hauling costs equivalent to \$700 daily truck cost.

Other Costs (Profit and Risk to be added):

Brand and Paint:  $\$2/\text{MBF} \times 926 \text{ MBF} = \$ 1,852$

Extra rigging costs:  $\$ 5/\text{MBF} \times 835 \text{ MBF} = \$ 4,175$

TOTAL Other Costs (Profit and Risk to be added) = \$6,027

OTHER COSTS (No Profit and Risk added):

Move-in of 2nd Yarder (2 hours lowboy and 2 hour walk in) = \$ 520

Move-in of 2nd Loader (2 hours lowboy and 1.5 hour walk in) =  
\$417.50

TOTAL Other Costs (No Profit and Risk added) = \$ 937.50

ROAD MAINTENANCE

Grading all roads 1 time  $\$500/\text{Mile} \times 8.9 \text{ miles} / 926 \text{ MBF} = \$ 4.81$

Maintenance rock ( $\$15.00/\text{yard} \times 7.7 \text{ miles} \times 10 \text{ cy}/\text{MMBF}/\text{mile} \times$   
 $.9\text{MMBF}) / 926 \text{ MBF} = \$1.12$

Patch rock for un-surfaced roads (50 yards pit run  $\times \$15.00/\text{yard}$ ) / 926 MBF = \$0.81

Pull and remove 4 culverts installed with project work from sections of un-surfaced road:

4 hours rubber tired backhoe  $\times \$ 60/\text{hour} = \$ 240$

Move-in: 4 hours lowboy  $\times \$ 100/\text{hour} = \$ 400$

Haul culverts to ODF Tillamook District Office: \$100

Total:  $\$ 740 / 926 \text{ MBF} = \$0.80$

TOTAL ROAD MAINTENANCE COST: \$ 7.54/MBF



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**Logging Conditions**

**Combination#: 1**            Douglas - Fir                    90.00%  
                                 Western Hemlock / Fir            90.00%

**Yarding Distance** Long (1,500 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:**            5.2                                    **Bd. Ft / Load:**            3,400  
**Cost / MBF:**            \$195.70

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

**Combination#: 2**            Douglas - Fir                    10.00%  
                                 Western Hemlock / Fir            10.00%

**Yarding Distance** Short (400 ft)            **Downhill Yarding:** No  
**Logging System:** Track Skidder            **Process:** Manual Falling/Delimiting  
**Tree Size:**            Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF  
**Loads / Day:**            7.0                                    **Bd. Ft / Load:**            3,400  
**Cost / MBF:**            \$144.56

**Machines:**            Log Loader (B)  
                                 Track Skidder



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**Logging Costs**

Operating Seasons:	1.00	Profit Risk:	15.00%
Project Costs:	\$53,365.00	Other Costs (P/R):	\$6,027.00
Slash Disposal:	\$0.00	Other Costs:	\$937.50

**Miles of Road**

Road Maintenance: \$7.54

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

**Hauling Costs**

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$89.40	2.0	3.4
Western Hemlock / Fir	\$59.60	3.0	3.4



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**Logging Costs Breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Douglas - Fir</b>									
\$190.59	\$7.92	\$4.74	\$93.88	\$6.51	\$45.55	\$0.00	\$2.00	\$1.01	\$352.20
<b>Western Hemlock / Fir</b>									
\$190.59	\$7.92	\$4.74	\$62.59	\$6.51	\$40.85	\$0.00	\$2.00	\$1.01	\$316.21

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$568.66	\$216.46	\$0.00
Western Hemlock / Fir	\$0.00	\$382.58	\$66.37	\$0.00



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**Summary**

**Amortized**

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	543	\$216.46	\$117,537.78
Western Hemlock / Fir	383	\$66.37	\$25,419.71

**Gross Timber Sale Value**

Recovery: \$142,957.49

Prepared by: David Wells

Phone: 503-842-2545



# PROJECT SUMMARY SHEET

Sale: ROGER THIN

## CONSTRUCTION

Point	A to B	15+95	stations =	\$6,235.87
<b>SUBTOTAL CONSTRUCTION</b>				<b>\$6,235.87</b>

## IMPROVEMENT

Point	A to B	101+05	stations =	\$39,506.88
Point	C to D	18+25	stations =	\$2,310.53
Point	E to F	18+45	stations =	\$2,514.34
<b>SUBTOTAL IMPROVEMENT</b>				<b>\$44,331.75</b>

## RECONSTRUCTION

Point	E to F	4+10	stations =	\$558.74
<b>SUBTOTAL IMPROVEMENT</b>				<b>\$558.74</b>

## MOVE IN

\$2,238.64

**GRAND TOTAL**

**\$53,365.00**



## SUMMARY OF CONSTRUCTION COST

Sale:	<u>ROGER THIN</u>		Road:	<u>A to B</u>
Construction -	<u>15+95</u> stations <u>0.30</u> miles		Improvement -	<u>101+05</u> stations <u>1.91</u> miles
CLEARING AND GRUBBING -				
Scattering	1.500 acres @		\$980.00 per acre =	<u>\$1,470.00</u>
			TOTAL CLEARING AND GRUBBING	<b>\$1,470.00</b>
EXCAVATION -				
<b>NEW CONSTRUCTIONS:</b>				
<b>End Haul:</b>				
Rippable Rock	1600	cy. @	\$5.15 per cy. =	\$8,240.00
Drill & Shoot Rock	1629	cy. @	\$9.45 per c.y.=	\$15,394.05
Common	1055	cy. @	\$3.35 per c.y.=	\$3,534.25
<b>Fill:</b>				
Common	2043	cy. @	\$2.85 per c.y.=	\$5,822.55
<b>Sidecast:</b>				
Common	1037	cy. @	\$1.53 per c.y.=	\$1,586.61
<b>EXISTING ROAD:</b>				
Stations 40+30 - 101+05	60.75	sta.s @	\$60.00 per sta.=	\$3,645.00
Construct 50' Radius Curve:				
Stations 81+00 - 83+80	2.80	sta.s @	\$250.00 per sta.=	<u>\$700.00</u>
			TOTAL EXCAVATION	<b>\$32,990.85</b>
CULVERTS - MATERIALS & INSTALLATION				
	<u>Culverts</u>			
	0	LF of 18"	<u>\$0.00</u>	206
			\$0.00	LF of 24"
				\$4,944.00
	<u>Culvert Stakes &amp; Markers</u>			\$4,944.00
	6 markers		<u>\$48.00</u>	
			\$48.00	
			TOTAL CULVERTS	<b>\$4,992.00</b>
SPECIAL PROJECTS				
Construct waste areas -	3.50	hours @	\$130.00 per hour	\$455.00
Grade and shape road -	117.00	stations @	\$15.50 per station	\$1,813.50
Roll subgrade w/ vibratory roller -	117.00	stations @	\$13.20 per station	\$1,544.40
Remove log culvert @ station 111+70	12.00	hours @	\$145.00 per hour	\$1,740.00
Grass seed and fertilize -	3.35	acres @	\$220.00 per acre	<u>\$737.00</u>
			TOTAL SPECIAL PROJECTS	<b>\$6,289.90</b>
<b>GRAND TOTAL</b>				<b>\$45,742.75</b>

## SUMMARY OF CONSTRUCTION COST

Sale:

**ROGER THIN**

Road: **C to D**

Construction -

0+00 stations  
0.00 miles

Improvement -

18+25 stations  
0.35 miles

CLEARING AND GRUBBING -  
Scattering

0.670 acres @ \$980.00 per acre = \$656.60  
TOTAL CLEARING AND GRUBBING

**\$656.60**

EXCAVATION -  
Road Earthwork

18.25 sta. @ \$65.00 per sta. = \$1,186.25  
TOTAL EXCAVATION

**\$1,186.25**

SPECIAL PROJECTS  
Grade and shape road -  
Grass seed and fertilize -

18.25 stations @ \$15.50 per station \$282.88  
0.84 acres @ \$220.00 per acre \$184.80

TOTAL SPECIAL PROJECTS

**\$467.68**

**GRAND TOTAL**

**\$2,310.53**

## SUMMARY OF CONSTRUCTION COST

Sale:	<u>ROGER THIN</u>		Road:	<u>E to F</u>
Reconstruction -	<u>4+10</u> stations <u>0.08</u> miles		Improvement -	<u>18+45</u> stations <u>0.35</u> miles
CLEARING AND GRUBBING - Scattering	1.050 acres @	\$980.00	per acre =	<u>\$1,029.00</u>
			TOTAL CLEARING AND GRUBBING	<b>\$1,029.00</b>
EXCAVATION - Road Earthwork	22.55 sta. @	\$65.00	per sta. =	<u>\$1,465.75</u>
			TOTAL EXCAVATION	<b>\$1,465.75</b>
SPECIAL PROJECTS				
Grade and shape road -	22.55 stations @	\$15.50	per station	\$349.53
Grass seed and fertiilize -	1.04 acres @	\$220.00	per acre	<u>\$228.80</u>
			TOTAL SPECIAL PROJECTS	<b>\$578.33</b>
			<b>GRAND TOTAL</b>	<b>\$3,073.08</b>

## Move-In Calculations

Sale: ROGER THIN

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
22.0	Pavement	30
5.0	Main Lines	7
4.0	Steep Grades	2

No.	EQUIPMENT DESCRIPTION	Move in Cost	Pilot Cars	Within Area Move (\$/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
0	Drill & Compressor	\$0.00		\$46.00	0.00	0.00	0	\$0.00	\$0.00
0	Brush Cutter	\$0.00		\$4.00	0.00	0.00	0	\$0.00	\$0.00
1	Graders	\$492.00		\$3.65	0.00	0.00	0	\$0.00	\$492.00
0	Loader (Small)	\$0.00	1	\$3.55	0.00	0.00	0	\$0.00	\$0.00
0	Loader (Med. & Large)	\$0.00	1	\$9.00	0.00	0.00	0	\$0.00	\$0.00
0	Rollers (smooth/grid) & Compactors	\$0.00		\$5.00	0.00	0.00	0	\$0.00	\$0.00
0	Excavators (Small)	\$0.00		\$22.00	0.00	0.00	0	\$0.00	\$0.00
0	Excavators (Med.)	\$0.00		\$35.50	0.00	0.00	0	\$0.00	\$0.00
1	Excavators (Large)	\$695.04	1	\$44.80	0.00	0.00	0	\$0.00	\$695.04
0	Tired Backhoes/Skidders	\$0.00		\$3.00	0.00	0.00	0	\$0.00	\$0.00
0	Tractors (D6)	\$0.00	2	\$7.10	0.00	0.00	0	\$0.00	\$0.00
0	Tractors (D7)	\$0.00	2	\$11.30	0.00	0.00	0	\$0.00	\$0.00
1	Tractor (D8)	\$651.92	2	\$15.10	0.00	0.00	0	\$0.00	\$651.92
2	Dump Truck (10 cy +)	\$282.67		\$2.85	0.00	0.00	0	\$0.00	\$282.67
0	Dump Truck (Off Hiway)	\$0.00	1	\$4.75	0.00	0.00	0	\$0.00	\$0.00
1	Water Truck (1500 Gal)	\$115.09		\$2.85	0.00	0.00	0	\$0.00	\$117.01
0	Water Truck (2500 Gal)	\$0.00		\$2.85	0.00	0.00	0	\$0.00	\$0.00
0	Jaw	\$1,066.00							
0	2-Stage Crusher	\$1,597.00							
0	3-Stage Crusher	\$2,489.00							

<b>TOTAL MOVE-IN COSTS:</b>	<b>\$2,238.64</b>
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STEWARDSHIP IN FORESTRY

## CRUISE REPORT

*Roger Thin*

### 1. Type of Sale

Partial Cut: Conifer-Recovery.

### 2. Legal Description

Section 15, T2N, R7W, W.M. Tillamook County, Oregon.

### 3. Sale Acreage

The sale boundary was plotted on a digital orthophotograph and the acreage was calculated with GIS.

	<u>Sale</u>	<u>Net</u>
<b>Sale Area (Partial Cut)</b>	108	106

#### Sale Acres

Area within the Timber Sale Boundary signs

#### Net acres

*Used for calculating the advertised volume.*

**Clearcut** - Sale acres, less green tree retention, roads, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

**Partial Cut** - Same as total acres

### 4. Cruising Procedures

#### **A. Cruise Method**

A total of 39 variable radius plots were taken across the sale area. All plots in all areas were spaced on a square grid pattern. All trees were recorded by species, merchantable height, form and diameter class. Diameters were measured to the nearest inch and heights to the nearest foot. Conifers less than 8" DBH and hardwood less than 10" DBH were not sampled.

#### **B. Plot size**

All plots were variable radius full point plots. A basal area factor of 40 was used for both conifers and hardwoods. The point of observation was at 4.5 feet.

#### **C. Grading System**

Tree heights were measured to a 6" merchantable top for Douglas-fir, 7" for Hemlock and Noble, and 8" for hardwoods or three tenths (0.3) of DBH for all species, whichever was greater. All top diameter measurements were outside bark. Conifers were graded using Columbia River rules favoring a 40' log. Hardwoods were graded as Camp Run.

#### **D. Defect and Breakage**

A 5% defect and breakage reduction was applied to conifers. This was in

addition to visual defect deducted during the cruise.

**E. Cruiser Names / Dates**

Winslow, Wallmark, Wells, Stumph, Lee/ August 2006

**5. Computation Procedure**

Plot data was entered into SuperAce for computation of stand tables. Take and leave trees were determined by reviewing diameters and defect on each plot and SuperAce was rerun to compute basal area, volume per acre, grade percentages, stand tables and diameters. This data was entered into a volume summary worksheet to compute sale volumes.

The cruise had a coefficient of variation of 44.2% and a standard error of 7.1% for the net board feet/acre.

**6. Timber Description**

The sale contains 40 to 50 year old, Douglas-fir and western hemlock. Predominately a single story Douglas-fir/hemlock stand with little vertical layering. The sale area burned most recently in 1945 (Wilson River Fire) and the southwest corner burned previously in 1933 (Tillamook Fire).

**7. Revenue Distribution**

FDF: 100%  
Tax Code: 56  
Deed Number: 35  
Rehab obligated: none

**8. Appendices**

Volume Summary  
Stand Table (partial cut)  
Log Stock report  
Logging Plan



## Roger Thin

### Volume Summary

TOTAL SALE VOLUME					
106 acres					
SPECIES	Gross MBF/ Acre	Net MBF/ Acre	Net MBF	Hidden D&B	Adj. Net Vol MBF
Douglas-fir	5.4	5.4	572	5%	543
Hemlock	3.8	3.8	403	5%	383
TOTAL	9.2	9.2	975		926

Stand Table Summary																	
TC TSTNDSUM				Oregon Dept of Forestry										Project		ROGER	
T02N R07W S15 T2120										T02N R07W S15 T2120							
Twp Rge Sec Tract				Type			Acres		Plots	Sample Trees			Page: 1				
02N 07W 15 0100				2120			106.00		39	188			Date: 03/06/2006				
													Time: 9:09:50AM				
S Spc	T	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF	
DL		10	1	85	29	1.880	1.03	1.88	6.1	20.0	.31	11	38	33	12	4	
DL		11	1	86	101	1.526	1.03	3.05	10.2	45.0	.86	31	137	91	33	15	
DL		12	1	87	98	1.223	1.03	2.45	14.4	60.0	.97	35	147	103	37	16	
DL		13	4	86	68	4.473	4.10	6.65	14.6	50.2	2.67	97	334	283	103	35	
DL		14	10	86	93	9.548	10.26	19.10	16.9	64.7	8.90	323	1,235	943	343	131	
DL		15	5	85	95	4.286	5.13	8.57	19.9	72.8	4.68	170	624	497	181	66	
DL		16	12	86	92	8.673	12.31	15.86	23.2	88.5	10.11	367	1,404	1,072	389	149	
DL		17	10	87	113	6.660	10.26	14.64	26.8	110.1	10.79	392	1,612	1,144	416	171	
DL		18	7	87	113	4.183	7.18	10.21	27.7	110.3	7.77	282	1,126	823	299	119	
DL		19	15	86	105	7.769	15.38	19.12	29.9	114.6	15.74	572	2,190	1,669	607	232	
DL		20	10	86	96	4.741	10.26	9.94	35.3	123.5	9.66	351	1,227	1,024	372	130	
DL		21	4	87	101	1.682	4.10	3.36	43.6	161.2	4.03	147	542	427	155	57	
DL		22	8	86	105	3.074	8.21	6.52	46.8	177.1	8.41	305	1,155	891	324	122	
DL		23	2	86	88	.721	2.05	1.46	42.8	159.1	1.71	62	232	182	66	25	
DL		24	1	87	99	.338	1.03	.68	55.2	190.0	1.03	37	128	109	40	14	
DL		25	1	86	101	.306	1.03	.61	62.0	235.0	1.04	38	144	111	40	15	
DL		Totals	92	86	96	61.083	94.36	124.09	26.0	98.9	88.68	3,224	12,275	9,401	3,417	1,301	
DF		8	1	86	30	2.797	1.03	2.80	3.8	20.0	.31	11	56	32	11	6	
DF		9	2	86	73	4.399	2.05	4.40	9.6	44.5	1.20	42	196	127	45	21	
DF		10	6	86	62	11.606	6.15	13.60	8.5	38.8	3.31	116	528	351	123	56	
DF		11	5	87	85	7.753	5.13	10.75	12.7	50.0	3.84	136	538	407	144	57	
DF		12	5	86	80	6.666	5.13	12.03	10.9	44.4	3.73	131	534	395	139	57	
DF		13	6	86	83	6.914	6.15	12.64	13.5	51.8	4.86	170	655	515	181	69	
DF		14	5	86	101	4.711	5.13	9.42	18.8	75.6	5.05	177	712	535	188	75	
DF		15	3	86	106	2.512	3.08	7.64	14.7	60.4	3.20	112	462	339	119	49	
DF		16	3	88	115	2.186	3.08	5.11	23.5	98.9	3.43	120	505	363	127	54	
DF		17	2	85	102	1.294	2.05	2.59	28.9	110.0	2.13	75	285	226	79	30	
DF		18	5	88	106	2.950	5.13	6.51	29.7	114.3	5.51	194	744	584	205	79	
DF		19	1	88	112	.544	1.03	1.63	24.4	96.7	1.13	40	158	120	42	17	
DF		Totals	44	86	81	54.331	45.13	89.11	14.9	60.3	37.69	1,324	5,372	3,995	1,403	569	
WH		8	1	87	36	2.730	1.03	2.73	5.2	20.0	.45	14	55	48	15	6	
WH		9	3	86	48	7.193	3.08	4.65	7.0	24.8	1.04	32	115	110	34	12	
WH		10	3	87	56	5.646	3.08	5.65	9.8	39.9	1.79	55	225	190	59	24	
WH		11	8	86	86	12.145	8.21	18.06	12.7	49.1	7.33	230	886	777	244	94	
WH		12	6	88	77	7.998	6.15	13.22	12.5	51.0	5.30	165	674	561	175	71	
WH		13	5	86	106	5.498	5.13	8.80	19.9	82.5	5.60	175	726	594	186	77	
WH		14	4	86	102	3.784	4.10	8.50	17.6	73.4	4.77	149	624	506	158	66	
WH		15	2	87	96	1.718	2.05	3.44	21.0	87.0	2.30	72	299	244	76	32	
WH		16	1	87	102	.783	1.03	1.57	23.7	100.0	1.19	37	157	126	39	17	
WH		Totals	33	87	76	47.493	33.85	66.62	14.0	56.4	29.77	930	3,760	3,156	986	399	
WL		10	1	87	61	1.880	1.03	1.88	9.9	40.0	.60	19	75	63	20	8	
WL		13	1	87	102	1.113	1.03	2.23	15.8	60.0	1.13	35	134	120	37	14	
WL		14	1	88	70	.959	1.03	1.92	13.5	55.0	.83	26	106	88	27	11	
WL		15	3	87	95	2.498	3.08	5.00	20.9	89.2	3.34	104	445	354	111	47	
WL		16	3	88	94	2.280	3.08	4.56	22.9	95.4	3.34	104	435	354	111	46	
WL		17	3	86	99	1.991	3.08	3.32	33.0	131.8	3.50	109	437	371	116	46	
WL		18	2	86	93	1.221	2.05	2.44	29.1	107.6	2.27	71	263	241	75	28	
WL		19	2	88	117	1.031	2.05	3.09	28.4	116.7	2.81	88	361	298	93	38	
WL		20	1	89	117	.490	1.03	1.47	31.1	143.3	1.46	46	210	155	48	22	



Stand Table Summary															
TC TSINDSUM				Oregon Dept of Forestry											
Project				ROGER											
T02N R07W S15 T2120										T02N R07W S15 T2120					
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	2						
02N	07W	15	0100	2120	106.00	39	188	Date:	03/06/200						
								Time:	9:09:50AM						
S Spc	T	Av			Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		Sample DBH	FF Trees	Ht 16'				Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits
WL	Totals	17	87	92	13.464	17.44	25.90	23.3	95.2	19.28	603	2,466	2,044	639	261
NF	14	1	89	104	.959	1.03	1.92	18.1	75.0	.83	35	144	88	37	15
NF	Totals	1	89	104	.959	1.03	1.92	18.1	75.0	0.83	35	144	88	37	15
RA	12	1	80	124	1.243	1.03	1.24	25.4	90.0	.87	32	112	92	33	12
RA	Totals	1	80	124	1.243	1.03	1.24	25.4	90.0	0.87	32	112	92	33	12
Totals		188	86	86	178.573	192.82	308.88	19.9	78.1	177.13	6147	24,130	18,775	6,516	2,558



TC TLOGSTVB

**Log Stock Table - MBF**

Oregon Dept of Forestry

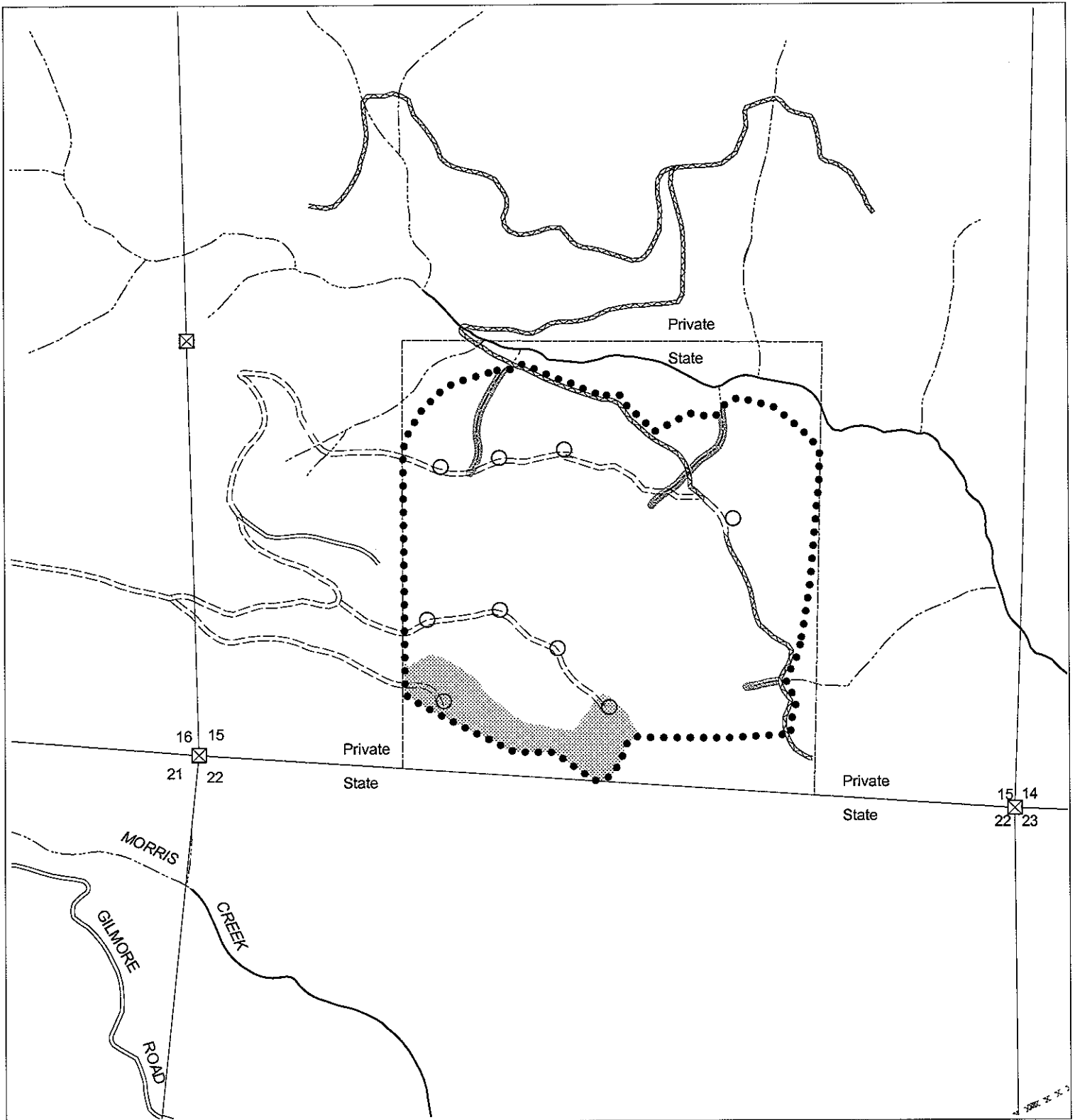
**Project: ROGER**

**T02N R07W S15 T2120**

**T02N R07W S15 T2120**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	2
02N	07W	15	0100	2120	106.00	39	188	Date	3/6/2007
								Time	9:09:17AM

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	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39
DF	DO	4M	38	3		3	.6		3									
DF	DO	4M	40	39		39	6.9		15	24								
DF	Totals			569		569	22.3		121	154	157	61	77					
WH	DO	3M	33	8		8	1.9			8								
WH	DO	3M	35	8		8	2.0			8								
WH	DO	3M	36	8		8	2.0				8							
WH	DO	3M	38	5		5	1.3			5								
WH	DO	3M	40	224	.5	223	55.9			66	116	41						
WH	DO	4M	14	4		4	1.0			4								
WH	DO	4M	15	6		6	1.4			6								
WH	DO	4M	16	5		5	1.3			5								
WH	DO	4M	18	9		9	2.2			9								
WH	DO	4M	19	9		9	2.2			9								
WH	DO	4M	20	8		8	2.1			8								
WH	DO	4M	24	3		3	.8			3								
WH	DO	4M	25	6		6	1.5			6								
WH	DO	4M	26	8		8	2.1			8								
WH	DO	4M	27	7		7	1.8			7								
WH	DO	4M	29	8		8	2.1			8								
WH	DO	4M	32	44		44	11.0			4	40							
WH	DO	4M	33	12		12	2.9			12								
WH	DO	4M	34	10		10	2.4			10								
WH	DO	4M	37	9		9	2.2			9								
WH	Totals			400		399	15.6			194	164	41						
WL	DO	2M	40	41		41	15.8					26	15					
WL	DO	3M	32	37		37	14.2			10		17	10					
WL	DO	3M	40	141		141	53.8			17	31	79	14					
WL	DO	4M	13	3		3	1.3			3								
WL	DO	4M	15	1		1	.4			1								
WL	DO	4M	16	2		2	.8			2								
WL	DO	4M	18	1		1	.4			1								
WL	DO	4M	19	1		1	.4			1								
WL	DO	4M	21	2		2	.9			2								
WL	DO	4M	23	4		4	1.4			4								
WL	DO	4M	26	4		4	1.6			4								
WL	DO	4M	27	3		3	1.0			3								
WL	DO	4M	31	8		8	3.1			8								
WL	DO	4M	32	9		9	3.5				9							
WL	DO	4M	40	4		4	1.5			4								
WL	Totals			261		261	10.2			50	50	96	50	15				
NF	DO	3M	40	12		12	80.0				12							
NF	DO	4M	28	3		3	20.0			3								
NF	Totals			15		15	.6			3	12							
RA	DO	CR	40	12		12	100.0				12							
RA	Totals			12		12	.5				12							
Total All Species				2,568		2,558	100.0		257	502	670	455	485	176	13			

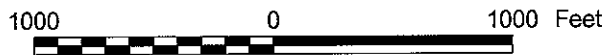


- Landing
- Ⓧ Domestic water supply intake
- Ⓜ Helicopter landing zone
- Ⓣ Truck turn-around
- ⊠ Survey corner
- Cable yarding
- ▨ Ground yarding
- ▩ Helicopter yarding
- ▧ Downhill yarding
- ▦ Buffer
- ▨ Non-required thinning
- + Area boundary
- Sale boundary
- Ownership boundary
- Perennial Type-F stream
- - - Perennial Type-N stream
- == Surfaced road
- == Unsurfaced road
- == State/Federal highway
- County road
- ② Non-project road
- . A . - Swing road
- Legacy road
- xxx Blocked road
- OHV trail
- Non-motorized trail
- T T Transmission line

**LOGGING PLAN**

Timber Sale Contract No. 341-08-31  
 Roger Thin  
 Portions of Section 15,  
 T2N, R7W, W. M.  
 Tillamook County, Oregon

Type of Operation	Acres Gross Net
Partial Cut	108 106



Tillamook District GIS  
 April 18, 2007  
 This product is for informational use and may not have been prepared for, or suitable for legal, engineering, or surveying purposes.

