



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Steam Donkey
Sale 341-10-38

District: Tillamook

Date: July 13, 2009

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$182,587.34	\$18,473.24	\$201,060.58
		Project Work:	\$(4,850.00)
		Advertised Value:	\$196,210.58



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timber description

Location: Portions of Sections 34 and 35, T1N, R7W,
 and Portions of Section 2, T1S, R7W, W.M.,
 Tillamook County, Oregon.

Stand Stocking: 20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	97
Western Hemlock / Fir	18	0	97
Alder (Red)	13	0	97

Volume by Grade	10" - 11"	2S	3S	4S	8" - 9"	Total
Douglas - Fir	0	536	1,007	348	0	1,891
Western Hemlock / Fir	0	159	127	22	0	308
Alder (Red)	20	0	0	0	206	226
Total	20	695	1,134	370	206	2,425



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comments: Pond Values Used: 2nd Quarter Calendar Year 2009.

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
 $\$526/\text{MBF} = \$740/\text{MBF} - \$214/\text{MBF}$

SCALING COST ALLOWANCE = $\$5.00/\text{MBF}$

FUEL COST ALLOWANCE = $\$3.00/\text{Gallon}$

HAULING COST ALLOWANCE

Hauling costs equivalent to $\$700$ daily truck cost.

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

Brand and Paint: $\$2/\text{MBF} \times 2,425 \text{ MBF} = \$ 4,850$

TOTAL Other Costs (with Profit and Risk to be added) = $\$4,850$

Other Costs (No Profit & Risk added):

Slash Piling and sorting: $\$2.50$ acre of modified clearcut harvest
 $\times 130$ acres = $\$ 325$

Blocking un-surfaced roads and road vacating: $2 \times \$ 75 + \$300 =$
 $\$450$

Move in 2nd Logging Season: $3 \times \$600 = \$1,800$

Non-project Roads:

Road 1: 6 stations @ $\$200/\text{station} = \$ 1,200$

Road 2: 5 stations @ $\$200/\text{station} = \$ 1,000$

TOTAL Other Costs (No Profit & Risk added) = $\$4,775$

Road Maintenance: Fox Creek Ridge and Hembre Ridge Roads

Interim Grading: $\$250/\text{mile} \times 10.9 \text{ miles} \times 1 \text{ times} / 2,425 \text{ MBF} = \$$
 $1.12/\text{MBF}$

Final Grading: $\$500/\text{mile} \times 10.9 \text{ miles} / 2,425 \text{ MBF} = \$ 2.25/\text{MBF}$

Spot rocking: $(270 \text{ cy crushed} \times 4.99/\text{cy}) / 2,425 \text{ MBF} = \$ 0.56/\text{MBF}$

Compaction: $((105.6 \text{ stations} \times \$28/\text{station}) + 111 \text{ move-in}) / 2,425$
 $\text{MBF} = \$ 1.27/\text{MBF}$

TOTAL ROAD MAINTENANCE COST: $\$ 5.20 / \text{MBF}$



"STEWARDSHIP IN FORESTRY"

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logging conditions

combination#: 1 Douglas - Fir 100.00%

yarding distance: Medium (800 ft) downhill yarding: No
logging system: Cable: Medium Tower >40 - <70 Process: Stroke Delimber
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 6.7 bd. ft / load: 4,636
cost / mbf: \$107.66

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Medium)

combination#: 2 Western Hemlock / Fir 100.00%

yarding distance: Medium (800 ft) downhill yarding: No
logging system: Cable: Medium Tower >40 - <70 Process: Stroke Delimber
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 9.6 bd. ft / load: 4,008
cost / mbf: \$86.91

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Medium)

combination#: 3 Alder (Red) 100.00%

yarding distance: Medium (800 ft) downhill yarding: No
logging system: Cable: Medium Tower >40 - <70 Process: Stroke Delimber
tree size: Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF
loads / day: 6.6 bd. ft / load: 3,016
cost / mbf: \$168.00

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Medium)

combination#: 4



Timber Sale Appraisal
Steam Donkey
Sale 341-10-38

"STEWARDSHIP IN FORESTRY"

District: Tillamook

Date: July 13, 2009

yarding distance:	Medium (800 ft)	downhill yarding:	No
logging system:	Cable: Medium Tower >40 - <70	Process:	Stroke Delimber
tree size:	Small / Thinning 9in (70 Bft/tree), 20+ logs/MBF		
loads / day:	2.5	bd. ft / load:	3,044
cost / mbf:	\$439.44		
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Medium)		



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
 Steam Donkey
 Sale 341-10-38

District: Tillamook

Date: July 13, 2009

logging costs

Operating Seasons:	2.00	Profit Risk:	10.00%
Project Costs:	\$4,850.00	Other Costs (P/R):	\$4,850.00
Slash Disposal:	\$0.00	Other Costs:	\$4,775.00

Miles of Road

Road Maintenance: \$5.20

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	2.0	4.6
Western Hemlock / Fir	\$0.00	2.0	4.0
Alder (Red)	\$0.00	2.0	3.0

Local Pond Values

Date	Specie	Grade	Value
7/13/09	Douglas - Fir	3S	\$305.00
7/13/09	Douglas - Fir	4S	\$290.00



Timber Sale Appraisal
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"STEWARDSHIP IN FORESTRY"

District: Tillamook

Date: July 13, 2009

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$107.66	\$5.36	\$3.62	\$71.25	\$2.00	\$18.99	\$0.00	\$5.00	\$1.97	\$215.85
Western Hemlock / Fir									
\$86.91	\$5.36	\$3.62	\$81.93	\$2.00	\$17.98	\$0.00	\$5.00	\$1.97	\$204.77
Alder (Red)									
\$168.00	\$5.36	\$3.62	\$109.24	\$2.00	\$28.82	\$0.00	\$5.00	\$1.97	\$324.01

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$305.07	\$89.22	\$0.00
Western Hemlock / Fir	\$0.00	\$249.81	\$45.04	\$0.00
Alder (Red)	\$0.00	\$405.75	\$81.74	\$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
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,891	\$89.22	\$168,715.02
Western Hemlock / Fir	308	\$45.04	\$13,872.32
Alder (Red)	226	\$81.74	\$18,473.24

Gross Timber Sale Value

Recovery: \$201,060.58

Prepared by: Lindsay Wyatt

Phone: 503-815-7027



PROJECT SUMMARY SHEET

Sale: Steam Donkey

CONSTRUCTION

IMPROVEMENT

Point	A to B	27+70	stations =	<u>\$4,176.00</u>
SUBTOTAL IMPROVEMENT				\$4,176.00

RECONSTRUCTION

MOVE IN				\$674.00
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GRAND TOTAL				\$4,850.00
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SUMMARY OF CONSTRUCTION COST

Sale:	Steam Donkey			Road:	A to B			
Construction -	0+00	stations	Improvement -	27+70	stations	Reconstruction -	0+00	stations
	0.00	miles		0.52	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -	TOTAL CLEARING AND GRUBBING	\$0.00
IMPROVEMENT: EXCAVATION -	TOTAL EXCAVATION	\$0.00
IMPROVEMENT: ENDHAUL -	TOTAL ENDHAUL	\$0.00
 ROCK		
0+00 to 17+00 240 cy. of Crushed @ \$10.34 per c.y.= \$2,481.60		
19+00 to 29+70 160 cy. of Crushed @ \$10.59 per c.y.= \$1,694.40		
	TOTAL ROCK	\$4,176.00
 SPECIAL PROJECTS		
	TOTAL SPECIAL PROJECTS	\$0.00
	GRAND TOTAL	\$4,176.00

3

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Crushed	Location:	SE 1/4 Sec. 4, T1S, R7W, W.M.
Sale:	Steam Donkey	Road:	400 c.y.
Swell:	0.00	Stockpile:	c.y.
Shrinkage:	0.00	Total Truck Loads:	400 c.y.
Drill Pct.:	0%	In Place Total:	c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread and compact. \$0.00

Load Dump Truck: \$0.70 /cu.yd. x 400 cu.yds. = \$280.00

Subtotal \$280.00

Move in Excavator	1	@	\$536.72	=	\$536.72
Move in Trucks	2	@	\$88.35	=	\$176.70
Move in Water Truck	1	@	\$103.85	=	\$103.85
Change Gradation					

Subtotal \$817.27

Base Cost= \$2.74 Per Cu.Yd.

TOTAL PRODUCTION COSTS \$1,097.27

Road Segment	Haul Cost \$/cu.yd.	Proc Cost \$/cu.yd.	Base Cost. \$/cu.yd.	Cost \$/cu.yd.	Number Cu. Yds	ROCK COST
A to B 0 1700 (Crushed)	5.15	2.45	2.74	10.34	240	\$2,481.60
A to B 1900 2970 (Crushed)	5.40	2.45	2.74	10.59	160	\$1,694.40
				Total C.Y.	400	Sub Total \$4,176.00

TOTAL ROCKING COSTS \$4,176.00

Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **Steam Donkey**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
16.5	Pavement	30
4.0	Main Lines	7
3.0	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
1	Graders	\$375.43		\$3.65	0.00	0.00	0	\$0.00	\$375.43
1	Rollers (smooth/grid) & Compactors	\$298.57		\$5.00	0.00	0.00	0	\$0.00	\$298.57
TOTAL MOVE-IN COSTS:									\$674.00



OREGON DEPARTMENT OF FORESTRY

CRUISE REPORT

Steam Donkey

1. **Type of Sale**

Modified clearcut, Recovery

2. **Legal Description**

Portions of Sections 34 and 35, T1N, R7W, and Portions of Section 2, T1S, R7W, W.M., Tillamook County, Oregon

3. **Sale Acreage**

Sale acreage was determined by GPS and orthophotographs along with GIS.

	ACRES	
	<u>Gross</u>	<u>Net</u>
Area 1 (Clearcut)	34	34
Area 2 (Clearcut)	119	96

Gross Acres

Area within the Timber Sale Boundary signs

Net acres

Used for calculating the advertised volume.

Gross acres, less green tree retention, roads, Non-required thinning areas, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

4. **Cruising Procedures**

A. Cruise Method

Areas 1 and 2 were cruised with plots spaced every 350' on lines 700' apart on an Azimuth of 30°. The BAF utilized was 40. All plots were full cruise plots. Trees were measured to the nearest foot in height and inch in diameter. Top cruise diameter was 5" for Douglas-fir and 6" for all other species or 33% of diameter at breast height, whichever was larger. For Area 1 the total CV% and SE% for Net/BF/acre were 78.0 and 37.8 respectively. For Area 2 the total CV% and SE% for Net/BF/acre were 49.2 and 11.6 respectively.

B. Plot size

On both areas, a 40 BAF used. The point of tree observation was diameter at breast height (or 4.5').

C. Grading System

Trees were graded using Columbia River Log Scaling and Grading rules, favoring 40' logs.

5. Computation Procedure

Plot data was entered into SuperAce for computation of stand information and volume. Net take volume was determined by designating leave trees on a plot by plot basis based on diameter and defect and then subtracting the leave tree volume from the gross volume.

6. Hidden Defect and Breakage

A 2% defect and breakage reduction was applied to conifers and a 5% reduction to hardwood volumes for hidden defect. This was in addition to visual defect deducted during the cruise.

7. Timber Description

The stands contain approximately 50 year old timber. The sale areas burned in the 1933 and 1945 fires and were planted in 1953. There has been no prior stand management in these areas. Both areas are Douglas-fir dominated with a component of alder in Area 1 and a component of western hemlock and alder in Area 2. The Douglas-fir show light impact due to Swiss needle cast (SNC). The stands are overstocked resulting in poor live crown ratios and slowed diameter growth. The alder was sprayed in the 1970's. The cruise reported that a significant amount of snags in the stand are from bear kill.

8. Cruiser Names/Dates

Contract Cruise, October 2007

Tillamook Contract Unit Staff (Dave Wells, Lindsay Wyatt), April 2009

9. Revenue Distribution

FDF 100%

Tax Code: 9-2, 100%

Deed Numbers: 159, 161

10. Attachments

Stand Table (partial cut)

Volume Summaries

Log Stock Tables

Logging Plan Map

11. Stand and Log Stock Tables Species Key

DL – Douglas-fir leave
DF – Douglas-fir take
NL – Noble fir leave
NF – Noble fir take
RL – Red alder leave
RA – Red alder take
RC – Western red cedar reserved
SL – Sitka spruce leave
SS – Sitka spruce take
WL – Western hemlock leave
WH – Western hemlock take

T01N R07W S34 TyMC	34.00
T01S R07W S02 TyMC	96.00

Project **STMDNKY**
Acres **130.00**

Time: **2:44:04PM**
Grown Year:

S Spec T	Sample DBH	Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
			FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF	
BM	24	1	73	74	.742	2.33										
BM	Totals	2	72	60	2.643	4.66										
CH	9	1	77	21	3.519	1.55										
CH	Totals	1	77	21	3.519	1.55										
OC	14	2	84	40	2.909	3.11										
OC	15	1	84	18	1.267	1.55										
OC	18	1	77	17	.880	1.55										
OC	22	1	51	20	.589	1.55										
OC	24	1	82	80	.495	1.55										
OC	25	1	53	20	.511	1.74										
OC	26	1	85	80	.422	1.55										
OC	30	3	81	32	.989	4.85										
OC	35	2	83	21	.522	3.49										
OC	40	3	65	30	.556	4.85										
OC	45	4	80	39	.614	6.79										
OC	50	2	86	34	.242	3.30										
OC	Totals	22	78	34	9.995	35.90										
Totals		131	85	80	160.433	212.02	241.52	22.6	90.4	156.92	5,470	21,831	20,400	7,111	2,838	

Stand Table Summary																
TC TSTNDSUM					Project STMDNKY											
T01N R07W S34 TMC										T01N R07W S34 TMC						
Twp Rge Sec Tract					Type		Acres		Plots	Sample Trees			Page: 1			
01N 07W 34 AREA1					MC		34.00		6	36			Date: 06/08/2005			
													Time: 2:44:04PM			
Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
									Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF		10	1	92	103	12.223	6.67	24.45	9.6	49.0	6.70	235	1,198	228	80	41
DF		12	1	92	113	8.778	6.67	17.56	14.0	58.8	6.99	245	1,032	238	83	35
DF		13	1	91	81	7.233	6.67	14.47	13.1	53.9	5.42	190	780	184	65	27
DF		14	1	89	109	5.895	6.67	11.79	18.8	78.4	6.33	222	924	215	76	31
DF		17	2	89	91	8.459	13.33	16.92	27.3	110.3	13.14	461	1,865	447	157	63
DF		18	1	91	111	3.690	6.67	7.38	36.9	151.9	7.76	272	1,121	264	93	38
DF		19	1	81	92	3.386	6.67	6.77	34.4	117.6	6.64	233	796	226	79	27
DF		20	1	85	110	3.056	6.67	6.11	36.1	117.6	6.28	220	719	214	75	24
DF		21	3	82	107	8.263	20.00	16.53	45.7	158.3	21.54	756	2,616	732	257	89
DF		24	1	80	101	2.122	6.67	4.24	58.1	176.4	7.03	247	749	239	84	25
DF		Totals	13	89	101	63.105	86.67	126.21	24.4	93.5	87.83	3,082	11,801	2,986	1,048	401
RA		10	2	80	55	24.446	13.33	24.45	2.7	9.5	1.80	66	232	61	22	8
RA		11	2	79	65	20.203	13.33	20.20	9.6	33.2	5.32	194	672	181	66	23
RA		12	1	82	69	8.488	6.67	8.49	16.4	47.5	3.84	140	403	131	47	14
RA		13	1	80	93	7.233	6.67	14.47	11.3	33.2	4.51	164	481	153	56	16
RA		14	2	82	69	12.473	13.33	18.71	17.1	53.8	8.80	320	1,007	299	109	34
RA		15	1	82	68	5.432	6.67	5.43	31.5	85.5	4.71	171	464	160	58	16
RA		17	2	78	63	8.459	13.33	12.69	27.2	69.7	9.48	345	884	322	117	30
RA		Totals	11	80	65	86.735	73.33	104.43	13.4	39.7	38.47	1,399	4,144	1,308	476	141
DL		24	2	84	108	4.209	13.33	8.42	39.9	156.2	9.23	336	1,315	314	114	45
DL		26	1	85	116	1.808	6.67	5.42	47.6	202.5	7.10	258	1,099	241	88	37
DL		Totals	3	84	110	6.017	20.00	13.84	42.9	174.4	16.33	594	2,414	555	202	82
OC		25	1	53	20	1.956	6.67									
OC		30	1	73	30	1.358	6.67									
OC		35	2	83	21	1.996	13.33									
OC		40	1	78	35	.764	6.67									
OC		45	3	80	43	1.811	20.00									
OC		50	1	85	50	.489	6.67									
OC		Totals	9	73	30	8.373	60.00									
Totals			36	83	79	164.230	240.00	244.48	20.8	75.1	142.63	5074	18,358	4,849	1,725	624

Stand Table Summary																
TC TSTNDSUM				Project STMDNKY												
Steam Donkey 1																
T01S R07W S02 TMC										T01S R07W S02 TMC						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	2							
01S	07W	02	AREA2	MC	96.00	19	96	Date:	06/08/2005							
								Time:	2:44:04PM							
Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
									Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
BM		Totals	2	72	60	3.578	6.32									
CH		9	1	77	21	4.765	2.11									
CH		Totals	1	77	21	4.765	2.11									
OC		14	2	84	40	3.939	4.21									
OC		15	1	84	18	1.716	2.11									
OC		18	1	77	17	1.191	2.11									
OC		22	1	51	20	.798	2.11									
OC		24	1	82	80	.670	2.11									
OC		26	1	85	80	.571	2.11									
OC		30	2	86	33	.858	4.21									
OC		40	2	57	27	.482	4.21									
OC		45	1	82	25	.191	2.11									
OC		50	1	87	17	.154	2.11									
OC		Totals	13	80	35	10.569	27.37									
Totals			95	85	81	159.088	202.11	240.47	23.3	95.9	161.99	5610	23.061	15,551	5,386	2,214

TC PSPCSTGR
Steam Donkey 1

Volume Summary All Areas

T01N R07W S34 TyMC 34.00
T01S R07W S02 TyMC 96.00

Project: STMDNKY
Acres 130.00

Page 1
Date 6/8/2009
Time 2:44:02PM

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre		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	8-9	10-11	12+	12-20	21-30	31-35	36-99					
DF		DO2M		28	2.5	4,229	4,125	536					100	2	4	94	39	267	1.62	15.4
DF		DO3M		53	2.6	7,955	7,748	1,007	15	31	41	12			11	89	39	112	0.71	68.9
DF		DO4M		19	2.0	2,728	2,674	348	94	6			16	24	16	45	28	34	0.29	78.7
DF Totals				67	2.4	14,912	14,547	1,891	26	18	22	35	3	5	9	83	34	89	0.64	163.0
RA		DOCR			6.0	1,846	1,735	226		91	9		25	21	26	27	21	37	0.62	46.9
RA Totals				8	6.0	1,846	1,735	226		91	9		25	21	26	27	21	37	0.62	46.9
DL		DO2M		71	2.0	2,119	2,077	270				100				100	40	396	2.10	5.2
DL		DO3M		26	2.7	804	782	102	19	6	53	22		10	53	36	35	112	0.89	7.0
DL		DO4M		3	2.0	65	64	8					65	35			20	30	0.48	2.1
DL Totals				13	2.2	2,988	2,923	380	7	1	14	77	1	4	14	81	34	204	1.37	14.4
WH		DO2M		51	4.6	1,282	1,223	159				100				100	40	416	2.34	2.9
WH		DO3M		41	3.6	1,015	979	127	18	8	56	19				100	40	121	0.83	8.1
WH		DO4M		8	2.0	175	172	22					14	33	54		31	32	0.34	5.5
WH Totals				11	4.0	2,473	2,374	309	15	3	23	59	1	2	97		37	144	0.99	16.5
WL		DO2M		75	2.0	194	190	25				100				100	40	451	2.78	.4
WL		DO3M		25	2.0	63	62	8			100					100	40	147	1.06	.4
WL Totals				1	2.0	257	252	33			25	75			100		40	299	1.92	.8
Totals					2.9	22,477	21,831	2,838	20	20	20	41	5	6	10	80	32	90	0.72	241.5

T TSPCSTGR
Steam Donkey 1

Volume Summary Area 1
Project: STMDNKY

Page 1
Date 6/8/2009
Time 2:44:03PM

T01N R07W S34 TMC
Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt T01N R07W S34 TMC
01N 07W 34 AREA1 MC 34.00 6 36 S BdFt W

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf		
									6-7	8-9	10-11	12+	12-20	21-30	31-35	36-99					
DF		DO	2M	22	2.0	2,734	2,680	91									40	258	1.80	10.4	
DF		DO	3M	63	2.0	7,535	7,385	251	23	29	28	20			11	89	39	111	0.72	66.5	
DF		DO	4M	15	2.0	1,772	1,736	59						36	29	35	30	35	0.33	49.3	
DF		Totals		64	2.0	12,041	11,801	401	29	18	18	35		5	11	83	35	94	0.69	126.2	
RA		DO	CR	100	5.0	4,362	4,144	141		85	15			27	15	33	26	21	40	0.63	104.4
RA		Totals		23	5.0	4,362	4,144	141		85	15			27	15	33	26	21	40	0.63	104.4
DL		DO	2M	67	2.0	1,667	1,633	56									40	419	2.30	3.9	
DL		DO	3M	28	2.0	696	682	23	21		79				79	21	35	113	0.97	6.0	
DL		DO	4M	5	2.0	100	98	3									18	25	0.45	3.9	
DL		Totals		13	2.0	2,463	2,414	82	10		22	68		4		22	74	31	174	1.37	13.8
Type Totals					2.7	18,866	18,358	624	20	31	18	31		7	7	18	69	29	75	0.71	244.5

T TSPCSTGR
Steam Donkey 1

Volume Summary Area 2
Project: STMDNKY

Page 1
Date 6/8/2009
Time 2:44:03PM

T01S R07W S02 TMC
Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt
01S 07W 02 AREA2 MC 96.00 19 96 S W

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
					Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Bd Ft	CF/ Lf		
									6-7	8-9	10-11	12+	12-20	21-30	31-35	36-99					
DF		DO	2M	29	2.6	4,759	4,637	445						2	5		93	39	269	1.58	17.2
DF		DO	3M	51	2.8	8,103	7,877	756	13	32	46	9				10	90	39	113	0.71	69.7
DF		DO	4M	20	2.0	3,067	3,006	289	93	7				19	21	13	47	28	34	0.29	89.1
DF	Totals			67	2.6	15,929	15,520	1,490	25	18	23	35		4	6	8	82	33	88	0.63	176.0
WH		DO	2M	51	4.6	1,737	1,656	159										40	416	2.34	4.0
WH		DO	3M	41	3.6	1,375	1,325	127	18	8	56	19						40	121	0.83	10.9
WH		DO	4M	8	2.0	237	233	22						14	33		54	31	32	0.34	7.4
WH	Totals			14	4.0	3,349	3,214	309	15	3	23	59		1	2		97	37	144	0.99	22.3
RA		DO	CR	100	7.7	955	882	85						23	33	15	29	21	33	0.60	26.5
RA	Totals			4	7.7	955	882	85						23	33	15	29	21	33	0.60	26.5
DL		DO	2M	72	2.0	2,280	2,234	214										40	391	2.05	5.7
DL		DO	3M	26	2.9	842	817	78	19	7	46	28			13	46	41	35	112	0.86	7.3
DL		DO	4M	2	2.0	53	52	5						41	59			22	34	0.50	1.5
DL	Totals			13	2.2	3,174	3,103	298	7	2	12	79		1	4	12	83	35	214	1.37	14.5
WL		DO	2M	75	2.0	263	257	25										40	451	2.78	.6
WL		DO	3M	25	2.0	86	84	8										40	147	1.06	.6
WL	Totals			1	2.0	348	341	33			25	75						40	299	1.92	1.1
Type Totals					2.9	23,756	23,061	2,214	19	16	21	43		4	6	7	83	32	96	0.72	240.5

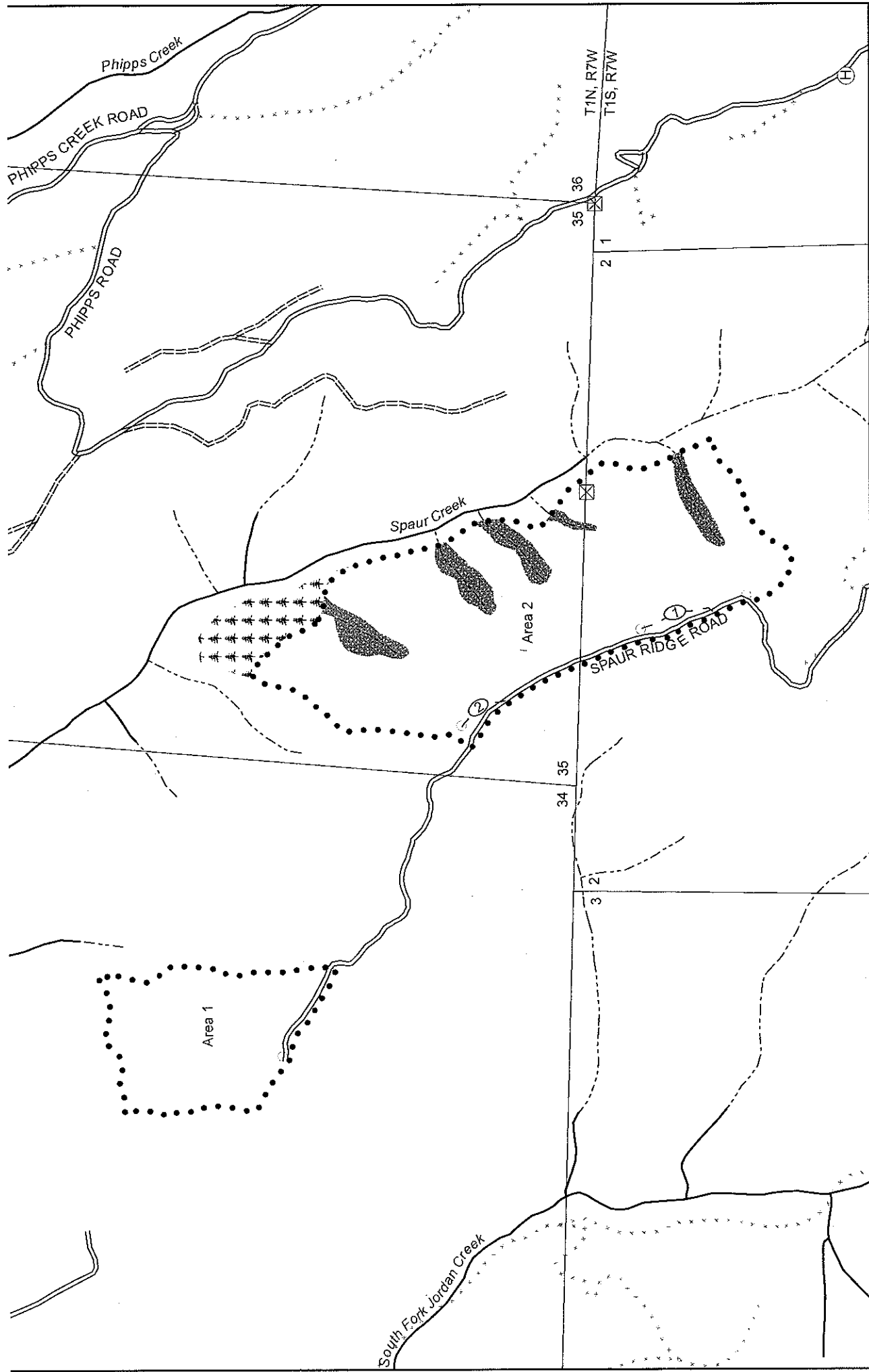
Log Stock Table - MBF

T01N R07W S34 TyMC	34.00
T01S R07W S02 TyMC	96.00

Project: STMDNKY
Acres 130.00

Page 2
Date 6/8/2009
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Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spe	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	40+				
RA		DO	CR	22	17	5.0	16	7.1				16												
RA		DO	CR	24	12	5.0	12	5.2				12												
RA		DO	CR	27	7	5.0	7	3.0				7												
RA		DO	CR	29	14	5.0	14	6.1				14												
RA		DO	CR	31	13	5.0	12	5.4				12												
RA		DO	CR	32	36	5.0	34	15.3				34												
RA		DO	CR	34	13	5.0	13	5.6				13												
RA		DO	CR	39	12	26.1	9	3.8				9												
RA		DO	CR	40	55	5.0	52	23.3				32	20											
RA		Totals			240	6.0	226	7.9				205	20											
DL		DO	2M	40	276	2.0	270	71.1						43	227									
DL		DO	3M	30	11	2.0	10	2.8						10										
DL		DO	3M	32	48	2.0	47	12.4			8		28	12										
DL		DO	3M	33	4	2.0	4	1.0			4													
DL		DO	3M	35	4	2.0	3	.9			3													
DL		DO	3M	40	38	4.0	37	9.7			5	6	26											
DL		DO	4M	17	3	2.0	3	.9			3													
DL		DO	4M	18	2	2.0	2	.6			2													
DL		DO	4M	27	3	2.0	3	.8			3													
DL		Totals			388	2.2	380	13.4			28	6	54	12	53	227								
WH		DO	2M	36	26	2.0	25	8.2												25				
WH		DO	2M	40	141	5.1	134	43.4						58	76									
WH		DO	3M	40	132	3.6	127	41.2			23	10	71	24										
WH		DO	4M	19	2	2.0	2	.5			2													
WH		DO	4M	20	1	2.0	1	.4			1													
WH		DO	4M	25	3	2.0	2	.8			2													
WH		DO	4M	27	5	2.0	5	1.6			5													
WH		DO	4M	40	12	2.0	12	3.9			12													
WH		Totals			321	4.0	309	10.9			17	27	10	71	24	58	76			25				
WL		DO	2M	40	25	2.0	25	75.4												25				
WL		DO	3M	40	8	2.0	8	24.6					8											
WL		Totals			33	2.0	33	1.2						8						25				
Total		All Species			2,922	2.9	2,838	100.0			237	320	554	571	425	277	429			25				



LOGGING PLAN

Timber Sale Contract No. 341-10-38
 Steam Donkey
 Portions of Sections 34 and 35, T1N, R7W,
 and Portions of Section 2,
 T1S, R7W, W.M.,
 Tillamook County, Oregon

Area		Type of Operation	Acres
1	Modified Clearcut		34
2	Modified Clearcut		119
Total			153
			Gross Net
			34
			96
			130

- State/Federal highway
- County road
- Non-project road
- Swing road
- Legacy road
- Blocked road
- OHV trail
- Non-motorized trail
- Transmission line
- 1,000
- 0

- Downhill yarding
- Buffer
- Non-required thinning
- Area boundary
- Sale boundary
- Ownership boundary
- Perennial Type-F stream
- Perennial Type-N stream
- Unsurfaced road
- Surfaced road

- Landing
- Domestic water supply intake
- Helicopter landing zone
- Truck turn-around
- Survey corner
- Cable yarding
- Ground yarding
- Helicopter yarding

Tillamook District GIS 06/09/2009
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