"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Make-A-Buck
Sale 341-10-36

District: Tillamook **Date:** August 05, 2009

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$124,425.16	$27,199.00	$151,624.16
		Project Work:	$(11,610.00)
		Advertised Value:	$140,014.16

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District: Tillamook

Date: August 05, 2009

timber description

Location: Portions of Sections 26, 27 and 34, T3N, R8W, W.M., Tillamook County, Oregon.

Stand Stocking: 60%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	100
Western Hemlock / Fir	13	0	100
Alder (Red)	13	0	100

Volume by Grade	10" - 11"	12"+	2S	3S	4S	6" - 7"	8" - 9"	Total
Douglas - Fir	0	0	154	899	276	0	0	1,329
Western Hemlock / Fir	0	0	0	410	123	0	0	533
Alder (Red)	74	14	0	0	0	244	129	461
Total	74	14	154	1,309	399	244	129	2,323

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

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
$520/MBF = $740/MBF - $220/MBF

SCALING COST ALLOWANCE = $5.00/MBF

FUEL COST ALLOWANCE = $3.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to $700 daily truck cost.

Other Costs (with Profit & Risk to be added):
Brand and Paint: $1/MBF x 2,323 MBF = $ 2,323
TOTAL Other Costs (with Profit and Risk to be added) =$2,323

Other Costs (No Profit & Risk added):
None.

ROAD MAINTENANCE
Interim Maintenance: $250/Mile x 3.7 miles x 1 grading/2,323MBF = $0.40/MBF

Maintenance Rock: ($7.30/cu. yd. x 3.7 miles x 25 cu. yd./MMBF/mile x 2.323 MMBF)/2,323 MBF = $0.68/MBF

Final Maintenance:
Grading - $500/Mile x 3.7 miles x 1 grading/2,323 MBF = $.80/MBF

TOTAL Maintenance Cost= $1.88/MBF

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District: Tillamook **Date:** August 05, 2009

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: 8.9 **bd. ft / load:** 3,858
cost / mbf: $97.39

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 / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 9.1 **bd. ft / load:** 3,678
cost / mbf: $99.91

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: 5.5 **bd. ft / load:** 3,266
cost / mbf: $186.17

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

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Make-A-Buck
Sale 341-10-36

District: Tillamook **Date:** August 05, 2009

logging costs

Operating Seasons:	1.00	**Profit Risk:**	15.00%
Project Costs:	$11,610.00	**Other Costs (P/R):**	$2,323.00
Slash Disposal:	$0.00	**Other Costs:**	$0.00

Miles of Road

Road Maintenance: $1.88

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	3.9
Western Hemlock / Fir	$0.00	2.0	3.7
Alder (Red)	$0.00	2.0	3.3

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Make-A-Buck
Sale 341-10-36

District: Tillamook **Date: August 05, 2009**

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
$97.39	$1.88	$1.89	$78.04	$1.00	$27.03	$0.00	$5.00	$0.00	$212.23
Western Hemlock / Fir									
$99.91	$1.88	$1.89	$82.26	$1.00	$28.04	$0.00	$5.00	$0.00	$219.98
Alder (Red)									
$186.17	$1.88	$1.89	$92.23	$1.00	$42.48	$0.00	$5.00	$0.00	$330.65

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$296.28	$84.05	$0.00
Western Hemlock / Fir	$0.00	$243.85	$23.87	$0.00
Alder (Red)	$0.00	$389.65	$59.00	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Make-A-Buck
Sale 341-10-36

District: Tillamook **Date:** August 05, 2009

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	1,329	$84.05	$111,702.45
Western Hemlock / Fir	533	$23.87	$12,722.71
Alder (Red)	461	$59.00	$27,199.00

Gross Timber Sale Value

Recovery: $151,624.16

Prepared by: David Luttrell **Phone:** 503-815-7025

"STEWARDSHIP IN FORESTRY"

PROJECT SUMMARY SHEET

Sale: Make-A-Buck

IMPROVEMENT

Point	A to B	106+40	stations =	$3,773.29
Point	C to D	14+60	stations =	$3,946.74
Point	E to F	22+75	stations =	$781.00
			SUBTOTAL IMPROVEMENT	**$8,501.03**

MOVE IN **$3,108.97**

GRAND TOTAL **$11,610.00**

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

Sale: **Make-A-Buck**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
52.0	Pavement	30
16.0	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
1	Graders	$954.86		$3.65	0.00	0.00	0	$0.00	$954.86
1	Rollers (smooth/grid) & Compactors	$779.32		$5.00	0.00	0.00	0	$0.00	$779.32
1	Tractors (D7)	$1,103.30	2	$11.30	0.00	0.00	0	$0.00	$1,103.30
1	Water Truck (1500 Gal)	$267.90		$2.85	0.00	0.00	0	$0.00	$267.90
0	Water Truck (2500 Gal)	$3.59		$2.85	0.00	0.00	0	$0.00	$3.59

	TOTAL MOVE-IN COSTS:	$3,108.97

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Pit_run	Location:	SW1/4 SW1/4, Sec. 27, T3N, R8W, W.M.		
Sale:	**Make-A-Buck**		Road:		320 c.y.
Swell:	1.40		Stockpile:		c.y.
Shirinkage	1.16		Total Truck Loads:		320 c.y.
Drill Pct.:	15%		In Place Total:		229 c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread and compact.						$508.40
Drill & Shoot:	$2.50 /cu.yd.	x	34 cu.yds.	=		$85.00
Rip Rock:	$1.90 /cu.yd.	x	195 cu.yds.	=		$370.50
Push Rock:	$0.60 /cu.yd.	x	320 cu.yds.	=		$192.00
Load Dump Truck:	$0.70 /cu.yd.	x	320 cu.yds.	=		$224.00
					Subtotal	$1,379.90

Move in Excavator	1	@	$1,210.46	=	$1,210.46
Move in Trucks	2	@	$261.66	=	$523.32
Move in Water Truck	1	@	$307.56	=	$307.56
Change Gradation					
				Subtotal	$2,041.34
			TOTAL PRODUCTION COSTS		$3,421.24

Base Cost= $10.69 Per Cu.Yd.

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 Spot Rock (Crushed)	1.47	0.75	10.69	12.91	100		$1,291.00
A to B Energy Dissipator (Riprap)	1.43	0.60	15.79	17.82	10		$178.20
C to D Spot Rock (Crushed)	1.98	0.75	10.69	13.42	150		$2,013.00
C to D Energy Dissipator (Riprap)	1.89	0.60	15.79	18.28	10		$182.80
E to F Spot Rock (Crushed)	1.33	0.75	10.69	12.77	50		$638.50
				Total C.Y.	320	Sub Total	$4,303.50
					TOTAL ROCKING COSTS		$4,303.50

SUMMARY OF CONSTRUCTION COST

Sale: **Make-A-Buck** Road: **A to B**

Construction -	0+00	stations	Improvement -	106+40	stations	Reconstruction -	0+00	stations
	0.00	miles		2.02	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Side cast	0.100	acres @	$660.00	per acre =	$66.00	
Widening	0.019	acres @	$660.00	per acre =	$12.54	
				TOTAL CLEARING AND GRUBBING		**$78.54**

IMPROVEMENT: EXCAVATION -

Pullback	18	cy. @	$1.40	per c.y.=	$25.20	
Widening	103	cy. @	$1.40	per c.y.=	$144.20	
				TOTAL EXCAVATION		**$169.40**

IMPROVEMENT: ENDHAUL -

Pullback	11+25	to	11+75	18	cy. @	$1.60	per c.y.=	$28.80	
Widening	11+25	to	11+75	16	cy. @	$1.60	per c.y.=	$25.60	
Widening	11+75	to	12+25	87	cy. @	$1.60	per c.y.=	$139.20	
Spread & compact				121	cy. @	$0.25	per c.y.=	$30.25	
							TOTAL ENDHAUL		**$223.85**

CULVERTS - MATERIALS & INSTALLATION

Culverts

0	LF of 18"	$0.00	30	LF of 24"	$810.00	
		$0.00			$810.00	

Culvert Stakes & Markers

1	markers	$8.00			
		$8.00		**TOTAL CULVERTS**	**$818.00**

ROCK

Spot Rock	0+00	100	cy. of	Crushed	@	$8.00	per c.y.=	$800.00	
Energy Dissipator	1+45 & 11+10	10	cy. of	Riprap	@	$12.00	per c.y.=	$120.00	
							TOTAL ROCK		**$920.00**

SPECIAL PROJECTS

Install relocated 18" culvert -	32.00	feet @	$6.00	per foot	$192.00
Clean culvert catch basin -	4.00	@	$25.00	each	$100.00
Construct waste areas -	1.00	hours @	$130.00	per hour	$130.00
Excavate mud and Fill roadway @ area of 1+45 -	1.00	hours @	$130.00	per hour	$130.00
Construct ditch -	5.80	stations @	$75.00	per station	$435.00
Vibratory Roller	10.00	stations @	$13.20	per station	$132.00
Remove snag from top of cutbank -	1.00	@	$40.00	each	$40.00
Remove culverts from state lands	2.00	@	$382.50	total	$382.50
Grass seed and fertilize -	0.10	acres @	$220.00	per acre	$22.00
				TOTAL SPECIAL PROJECTS	**$1,563.50**

GRAND TOTAL **$3,773.29**

SUMMARY OF CONSTRUCTION COST

Sale: **Make-A-Buck** Road: **C to D**

Construction -	0+00	stations	Improvement -	14+60	stations	Reconstruction -	0+00	stations
	0.00	miles		0.28	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Scattering	0.130	acres @	$980.00	per acre =	$127.40	
				TOTAL CLEARING AND GRUBBING		**$127.40**

IMPROVEMENT: EXCAVATION -

Road Earthwork	14.60	sta. @	$40.00	per sta. =	$584.00	
				TOTAL EXCAVATION		**$584.00**

CULVERTS - MATERIALS & INSTALLATION

Culverts						
44	LF of 18"	$770.00	0	LF of 24"	$0.00	
		$770.00			$0.00	
Culvert Stakes & Markers						
1	markers	$8.00				
		$8.00		**TOTAL CULVERTS**		**$778.00**

ROCK

Spot Rock	0+00	150	cy. of	Crushed	@	$8.00	per c.y.=	$1,200.00
Energy Dissipator	14+25	10	cy. of	Riprap	@	$12.00	per c.y.=	$120.00
							TOTAL ROCK	**$1,320.00**

SPECIAL PROJECTS

Construct ditchouts -	9.00	@	$25.00	each	$225.00
Construct ditch -	3.50	stations @	$75.00	per station	$262.50
Construct turnout @ 7+70 -	1.00	@	$60.00	each	$60.00
Grade and shape road -	14.60	stations @	$14.00	per station	$204.40
Vibratory Roller- Subgrade & Spot rock	29.20	stations @	$13.20	per station	$385.44
				TOTAL SPECIAL PROJECTS	**$1,137.34**

GRAND TOTAL **$3,946.74**

SUMMARY OF CONSTRUCTION COST

Sale: **Make-A-Buck** Road: **E to F**

Construction -	0+00	stations	Improvement -	22+75	stations	Reconstruction -	0+00	stations
	0.00	miles		0.43	miles		0.00	miles

ROCK

Spot Rock	0+00		50	cy. of	Crushed		@	$8.75	per c.y.=	$437.50
									TOTAL ROCK	**$437.50**

SPECIAL PROJECTS

Grade and shape road (light) -	22.75	stations @	$10.00	per station	$227.50	
Improve turnaround -	1.00	@	$50.00	each	$50.00	
Vibratory Roller	5.00	stations @	$13.20	per station	$66.00	
				TOTAL SPECIAL PROJECTS		**$343.50**

GRAND TOTAL **$781.00**

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
Make-A-Buck

1. Type of Sale

Thinning/Regeneration harvest, Recovery

2. Legal Description

Portions of Section 26, 27 & 34, T3N, R8W, W.M., Tillamook County Oregon

3. Sale Acreage

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

	ACRES	
	Gross	**Net**
Areas1 & 3 (Partial Cut)	155	142
Area 2 (Clearcut)	51	50

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

A total of 35 variable radius plots were taken on the sale area, spaced on a rectangular grid of 350' x 700'. All plots were full cruise plots. All conifers 8 inches DBH and greater containing 20 net board feet and all hardwoods 10 inches DBH and greater containing 30 net board feet were recorded on all plots. Species were recorded on all trees, and they were graded and measured for merchantable height, diameter, and form factor.

B. Plot size

A basal area factor of 27.78 was used for Area 1 & 2 and a basal area factor of 40 was used for Area 3. The point of observation is 4.5 feet.

C. Grading System

All trees were graded according to Columbia River Log Scaling and Grading Rules. Tree heights were recorded to a 6 inch top outside bark for all conifers and 7 inches top outside bark for hardwoods; or three tenths (0.3) of DBH for all species, whichever was greater. Log lengths all favored 40 feet for all species. Height and diameter measurement standards were to the nearest foot or inch respectively.

5. Computation Procedure

Plot data was entered into SuperAce for computation of basal area, stand tables, and volume for each species and type. This data was then entered into the Volume Summary table to compute sale volumes. The standard error for the cruise was 10.3% and the coefficient of variation was 61.1 % based on 18 MBF per acre.

6. Hidden Defect and Breakage

5% hidden defect and breakage was taken on conifers and 10% hidden defect and breakage was taken on hardwoods.

7. Timber Description

This stand burned in the 1945 Wilson River/Salmonberry Fire. A portion of the area was seeded in 1960 and the rest naturally regenerated. The Douglas-fir and Hemlock are intermixed with alder and Noble fir. There has been no prior stand management.

8. Cruiser Names/Dates

Contract 2007, Chris Woodward

9. Revenue Distribution

FDF 100%

Tax Code: 56-1

Deed Numbers: 70, 295

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
SS – Sitka spruce take
WL – Western hemlock leave
WH – Western hemlock take

TC PSTNDSUM

Make a Buck

Stand Table Summary

Page 1

Date: 7/28/2009

T03N R08W S27 TyPC 96.00
T03N R08W S27 TyMC 50.00
T03N R08W S32 TyPC 46.00

Project MAKEBUK3

Acres 192.00

Time: 2:41:23PM

Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		8	1	76	54	4.576	1.60	4.58	6.8	29.4	.89	31	135	170	60	26
DF		9	1	84	78	3.615	1.60	3.62	11.6	39.2	1.19	42	142	229	80	27
DF		11	1	86	109	1.096	.72	2.19	12.2	53.9	.76	27	118	146	51	23
DF		12	5	80	76	5.639	4.51	8.49	12.9	45.7	3.13	110	388	601	211	74
DF		13	12	84	86	12.320	11.36	24.49	14.5	55.7	10.12	355	1,365	1,943	682	262
DF		14	3	86	91	2.855	3.05	5.71	18.1	70.0	2.95	103	400	566	199	77
DF		15	10	83	84	9.474	11.63	17.16	19.2	66.2	9.41	329	1,137	1,807	632	218
DF		16	6	85	94	6.327	8.71	12.65	23.4	83.6	8.42	296	1,058	1,617	568	203
DF		17	7	84	103	4.943	7.69	10.34	26.8	96.9	7.90	277	1,003	1,517	532	192
DF		18	1	87	86	.904	1.60	1.81	28.3	98.0	1.46	51	177	280	98	34
DF		19	1	84	122	.367	.72	1.10	26.0	94.7	.82	29	104	157	55	20
DF		20	1	84	112	.332	.72	.66	43.7	161.7	.83	29	107	159	56	21
DF		21	1	81	136	.301	.72	.90	33.8	130.7	.87	30	118	167	58	23
DF		22	2	86	124	.548	1.45	1.37	43.6	176.4	1.70	60	242	327	115	46
DF		23	2	80	110	.501	1.45	1.00	53.5	178.9	1.53	54	179	294	103	34
DF		24	2	83	124	.461	1.45	1.38	44.6	181.3	1.75	62	250	337	118	48
DF		Totals	56	83	86	54.259	58.97	97.46	19.3	71.0	53.73	1,884	6,922	10,315	3,618	1,329
DL		12	1	53	76	.931	.73	1.86	11.3	30.0	.58	21	56	111	40	11
DL		13	1	82	89	.793	.73	1.59	15.5	50.0	.68	25	79	130	47	15
DL		15	2	81	78	1.191	1.46	2.38	18.2	62.5	1.19	43	149	229	83	29
DL		16	2	81	78	1.047	1.46	1.57	24.9	63.3	1.08	39	99	207	75	19
DL		17	9	85	99	7.471	11.78	15.41	26.1	95.3	11.07	402	1,469	2,125	773	282
DL		18	7	84	88	5.889	10.31	11.78	26.8	91.8	8.68	316	1,081	1,667	606	208
DL		19	5	80	91	2.296	4.52	3.85	31.1	94.6	3.29	120	364	633	230	70
DL		20	10	82	98	3.741	8.16	9.22	30.2	104.0	7.66	278	958	1,470	535	184
DL		21	5	85	105	1.880	4.52	4.06	40.2	138.2	4.50	163	562	863	314	108
DL		22	4	83	110	1.108	2.92	2.77	39.4	149.0	3.00	109	413	577	210	79
DL		24	3	76	111	.693	2.18	1.85	38.9	161.0	1.97	72	297	379	138	57
DL		25	4	84	122	.858	2.92	2.36	52.0	212.7	3.37	123	502	648	236	96
DL		26	1	57	72	.198	.73	.40	48.1	60.0	.54	19	24	104	37	5
DL		27	2	85	122	.368	1.46	1.10	58.3	248.3	1.77	64	274	340	124	53
DL		29	3	84	107	.478	2.19	1.12	60.2	228.6	1.85	67	255	355	129	49
DL		30	1	83	119	.149	.73	.30	55.2	235.0	.45	16	70	87	32	13
DL		32	1	77	118	.130	.72	.26	110.3	390.0	.79	29	101	151	55	19
DL		35	1	76	84	.109	.73	.22	99.5	200.0	.60	22	44	115	42	8
DL		Totals	62	82	96	29.331	58.28	62.08	31.1	109.5	53.06	1,929	6,797	10,188	3,704	1,305
RA		9	2	80	74	3.275	1.45	3.28	11.0	47.5	.99	36	156	190	69	30
RA		10	5	76	49	6.702	3.66	4.02	10.8	34.8	1.19	43	140	228	83	27
RA		11	6	76	68	7.924	5.23	9.02	13.4	41.7	3.32	121	376	638	232	72
RA		12	1	65	17	.931	.73									
RA		13	4	73	65	3.148	2.90	3.15	22.5	61.7	1.95	71	194	374	136	37
RA		14	7	77	91	4.744	5.07	6.10	25.3	79.2	4.25	154	483	816	297	93
RA		15	6	77	92	4.249	5.21	6.61	24.8	74.5	4.50	164	492	864	314	94
RA		16	3	74	106	1.554	2.17	3.11	24.1	77.6	2.06	75	241	396	144	46
RA		17	3	76	71	1.377	2.17	1.84	31.8	80.7	1.61	58	148	308	112	28
RA		18	1	76	82	.409	.72	.82	26.4	85.5	.59	22	70	114	41	13
RA		19	1	73	80	.367	.72	.37	74.8	228.0	.76	27	84	145	53	16
RA		20	2	77	63	.663	1.45	.66	58.0	123.5	1.06	38	82	203	74	16
RA		22	1	78	112	.274	.72	.55	56.3	180.5	.85	31	99	163	59	19
RA		Totals	42	76	72	35.618	32.21	39.51	21.3	64.9	23.13	841	2,565	4,440	1,615	492
WH		8	1	81	46	2.072	.72	2.07	6.6	29.4	.43	14	61	83	26	12

T03N R08W S27 TyPC 96.00
T03N R08W S27 TyMC 50.00
T03N R08W S32 TyPC 46.00

Project MAKEBUK3 **Time:** 2:41:23PM
Acres 192.00 **Grown Year:**

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
WH		9	2	81	67	3.310	1.46	4.96	8.7	39.2	1.39	43	195	267	83	37
WH		10	2	81	81	2.667	1.45	3.99	10.4	42.4	1.35	42	169	259	80	32
WH		12	4	84	96	3.714	2.92	6.50	16.7	67.2	3.48	109	437	668	209	84
WH		13	3	83	79	2.379	2.19	3.97	17.8	60.8	2.26	71	241	434	136	46
WH		14	4	84	82	2.728	2.92	4.09	22.8	80.0	2.99	93	327	574	179	63
WH		15	2	81	82	1.191	1.46	2.38	18.5	58.8	1.41	44	140	271	85	27
WH		16	1	83	93	.524	.73	1.05	23.1	83.3	.77	24	87	149	46	17
WH		17	4	83	99	1.846	2.91	3.69	26.5	95.5	3.13	98	352	602	188	68
WH		18	1	83	113	.409	.72	1.23	23.3	84.9	.93	29	104	179	55	20
WH		19	2	81	106	.739	1.45	1.48	35.3	107.7	1.67	52	159	320	100	31
WH		33	1	77	118	.122	.72	.24	44.2	191.1	.34	11	47	66	21	9
WH		Totals	27	83	81	21.700	19.67	35.65	17.6	65.1	20.17	629	2,319	3,872	1,208	445
WL		14	1	82	57	.684	.73	.68	25.3	60.0	.55	17	41	106	33	8
WL		15	2	86	100	1.191	1.46	2.38	25.2	107.5	1.92	60	256	369	115	49
WL		16	2	83	92	1.047	1.46	2.09	24.5	97.5	1.64	51	204	315	98	39
WL		18	4	83	96	1.655	2.92	3.31	30.9	107.5	3.28	102	356	629	197	68
WL		19	3	79	90	1.114	2.19	2.23	34.2	108.3	2.44	76	241	469	146	46
WL		20	1	82	83	.335	.73	.67	35.6	115.0	.76	24	77	146	46	15
WL		22	2	81	97	.551	1.45	1.10	48.3	154.9	1.70	53	171	327	102	33
WL		23	2	81	104	.507	1.46	1.01	54.6	180.0	1.77	55	182	340	106	35
WL		24	2	83	104	.465	1.46	1.16	49.9	188.0	1.86	58	219	357	112	42
WL		Totals	19	83	92	7.549	13.88	14.65	34.0	119.3	15.93	498	1,747	3,059	956	336
RL		10	1	75	56	1.340	.73	1.34	10.0	30.0	.43	13	40	82	26	8
RL		11	3	70	53	3.323	2.19	2.22	12.8	30.0	.90	28	66	174	54	13
RL		12	1	52	44	.931	.73	.93	12.7	20.0	.38	12	19	72	23	4
RL		13	5	77	55	3.966	3.66	3.97	18.7	46.0	2.37	74	182	455	142	35
RL		14	4	69	72	2.735	2.92	2.74	31.3	77.5	2.74	86	212	525	164	41
RL		16	3	65	53	1.571	2.19	1.05	36.1	55.0	1.21	38	58	232	73	11
RL		17	5	76	68	2.319	3.66	3.71	26.1	68.8	3.10	97	255	595	186	49
RL		18	1	74	48	.414	.73	.41	37.1	70.0	.49	15	29	94	29	6
RL		19	1	76	33	.371	.73	.37	29.2	30.0	.35	11	11	67	21	2
RL		20	1	76	45	.335	.73	.34	46.8	60.0	.50	16	20	96	30	4
RL		Totals	25	72	58	17.305	18.28	17.07	22.8	52.3	12.47	390	893	2,394	748	171
NF		9	1	84	59	1.655	.73	1.65	11.2	50.0	.44	18	83	85	35	16
NF		10	1	86	69	1.340	.73	1.34	14.8	60.0	.48	20	80	92	38	15
NF		13	2	83	62	1.586	1.46	2.38	16.2	53.3	.93	39	127	178	74	24
NF		15	1	83	65	.596	.73	1.19	15.6	45.0	.46	19	54	88	36	10
NF		17	1	83	109	.464	.73	.93	30.3	120.0	.67	28	111	129	54	21
NF		Totals	6	84	67	5.641	4.39	7.49	16.5	60.7	2.98	124	455	573	238	87
NL		16	2	82	70	1.047	1.46	2.09	17.7	60.0	.89	37	126	171	71	24
NL		23	1	82	91	.253	.73	.51	46.5	135.0	.56	24	68	108	45	13
NL		25	1	81	86	.214	.73	.43	52.9	160.0	.54	23	69	105	44	13
NL		29	1	72	98	.159	.73	.32	52.4	165.0	.40	17	53	77	32	10
NL		Totals	5	81	78	1.674	3.66	3.35	29.8	94.2	2.40	100	315	461	192	61
SS		18	1	76	60	.409	.72	.82	23.8	63.7	.51	20	52	97	37	10
SS		28	1	75	72	.171	.73	.34	48.5	156.8	.43	17	54	83	32	10
SS		Totals	2	76	64	.580	1.45	1.16	31.1	91.1	.94	36	106	180	69	20
OC		11	2	88	70	2.215	1.46									

Stand Table Summary

T03N R08W S27 TyPC	96.00
T03N R08W S27 TyMC	50.00
T03N R08W S32 TyPC	46.00

Project MAKEBUK3
Acres 192.00

Time: 2:41:23PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
OC		12	1	77	55	.931	.73									
OC		16	1	70	30	.524	.73									
OC		17	2	82	59	.928	1.46									
OC		19	1	81	90	.371	.73									
OC		Totals	7	82	62	4.969	5.12									
Totals			251	80	80	178.627	215.90	278.42	23.1	79.4	184.80	6,431	22,120	35,482	12,347	4,247

TC PSPCSTGR

Make a Buck

Make-A-Buck Total Volume Summary

T03N R08W S27 TyPC 96.00
T03N R08W S27 TyMC 50.00
T03N R08W S32 TyPC 46.00

Project: **MAKEBUK3**

Acres **192.00**

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Spp	S T	So Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 6-7	8-9	10-11	12+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DL		DO2M	21	1.9	1,494	1,466	281				100				100	40	333	1.96	4.4
DL		DO3M	63	4.4	4,468	4,270	820	3	8	64	25		1	13	86	38	153	1.16	27.8
DL		DO4M	16		1,061	1,061	204	84	9	6	2	15	29	29	27	28	36	0.41	29.8
DL	**Totals**		31	3.2	7,023	6,797	1,305	15	7	41	38	2	5	13	80	33	109	0.93	62.1
DF		DO2M	11	2.0	821	804	154				100				100	40	271	1.72	3.0
DF		DO3M	68	5.0	4,925	4,680	899	14	49	37			3	14	82	37	97	0.72	48.3
DF		DO4M	21	2.0	1,468	1,438	276					3	49	14	33	29	31	0.29	46.2
DF	**Totals**		31	4.0	7,213	6,922	1,329	30	33	25	12	1	12	13	74	33	71	0.58	97.5
WH		DO3M	73	4.0	1,777	1,706	328	23	42	25	11		2	8	90	39	99	0.70	17.3
WH		DO4M	27	4.1	639	613	118	95	5			11	34	38	17	28	33	0.30	18.3
WH	**Totals**		10	4.0	2,416	2,319	445	42	32	18	8	3	11	16	71	34	65	0.53	35.7
WL		DO2M	18	1.4	327	322	62				100				100	40	265	1.72	1.2
WL		DO3M	68	3.1	1,229	1,191	229	12		56	32			17	83	38	146	1.10	8.1
WL		DO4M	14	1.7	239	235	45					5	20	12	63	31	44	0.44	5.3
WL	**Totals**		8	2.6	1,794	1,747	336	22		38	40	1	3	13	83	36	119	0.95	14.6
RL		DOCR		8.3	973	893	171	80	7	14		5	25	18	52	31	52	0.73	17.1
RL	**Totals**		4	8.3	973	893	171	80	7	14		5	25	18	52	31	52	0.73	17.1
RA		DOCR	93	6.8	2,575	2,398	461	52	28	16	3	2	18	26	54	33	67	0.68	36.0
RA		PU CR	7	5.0	175	166	32	69	31				69	31		30	47	0.45	3.5
RA	**Totals**		12	6.7	2,750	2,565	492	53	28	15	3	2	21	27	50	32	65	0.66	39.5
NF		DO3M	93	2.7	439	427	82	58	23	20				42	58	37	70	0.52	6.1
NF		DO4M	7		28	28	5					100				17	20	0.29	1.4
NF	**Totals**		2	2.6	467	455	87	60	21	18		6		40	54	33	61	0.50	7.5
SS		DO3M	41	10.2	49	44	8			100				100		32	108	1.26	.4
SS		DO4M	59	2.0	63	62	12	21			79	13	87			21	82	1.22	.8
SS	**Totals**		0	5.6	112	106	20	12		42	46	8	51	42		25	91	1.24	1.2
NL		DO3M	86	4.6	284	271	52		17	21	61			39	61	35	162	1.40	1.7
NL		DO4M	14		44	44	8					48	38	15		22	26	0.47	1.7
NL	**Totals**		1	4.0	328	315	61	14	15	18	53	7	5	35	53	29	94	1.04	3.3
Totals				4.1	23,077	22,120	4,247	31	20	28	21	2	10	16	72	33	79	0.70	278.4

T TSPCSTGR
Make a Buck

Make-A-Buck Volume Summary Area 1

Project: MAKEBUK3

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T03N R08W S27 TPC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
03N	08W	27	AREA1	PC	96.00	19	146	S	W

T03N R08W S27 TPC

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 6-7	8-9	10-11	12+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DL		DO	2M	34	2.3	2,479	2,423	233									40	335	1.98	7.2
DL		DO	3M	52	4.9	3,838	3,649	350	6	19	38	38		1	22	77	37	144	1.18	25.4
DL		DO	4M	14		980	980	94	82	13		4	23	30	22	25	26	34	0.43	28.4
DL	**Totals**			36	3.3	7,297	7,053	677	14	12	19	54	3	5	14	78	33	116	1.01	61.1
RL		DO	CR	100	8.3	1,946	1,785	171	80	7	14		5	25	18	52	31	52	0.73	34.1
RL	**Totals**			9	8.3	1,946	1,785	171	80	7	14		5	25	18	52	31	52	0.73	34.1
WL		DO	2M	19	1.4	653	644	62									40	265	1.72	2.4
WL		DO	3M	66	2.9	2,265	2,200	211	12		60	28			17	83	38	145	1.08	15.2
WL		DO	4M	15	1.7	478	470	45					5	20	12	63	31	44	0.44	10.6
WL	**Totals**			17	2.4	3,397	3,314	318	22		40	38	1	3	13	83	36	118	0.93	28.2
WH		DO	3M	74	4.4	2,253	2,155	207	24	51	25				9	91	39	91	0.67	23.8
WH		DO	4M	26	5.4	778	736	71					18	31	27	25	27	31	0.29	23.6
WH	**Totals**			15	4.6	3,031	2,891	278	44	38	18		5	8	14	74	33	61	0.52	47.4
DF		DO	3M	81	6.4	1,991	1,864	179	24	59	17				24	76	37	84	0.61	22.2
DF		DO	4M	19	2.0	428	420	40					15	31	22	32	26	32	0.27	13.2
DF	**Totals**			12	5.6	2,419	2,283	219	38	48	14		3	6	24	67	33	64	0.51	35.4
RA		DO	CR	100	11.5	716	634	61						38	13	49	30	41	0.46	15.4
RA	**Totals**			3	11.5	716	634	61						38	13	49	30	41	0.46	15.4
NF		DO	3M	93	2.7	878	854	82	58	23	20				42	58	37	70	0.52	12.2
NF		DO	4M	7		56	56	5									17	20	0.29	2.8
NF	**Totals**			5	2.6	934	910	87	60	21	18		6		40	54	33	61	0.50	15.0
NL		DO	3M	86	4.6	569	543	52		17	21	61			39	61	35	162	1.40	3.3
NL		DO	4M	14		88	88	8					48	38	15		22	26	0.47	3.3
NL	**Totals**			3	4.0	657	631	61	14	15	18	53	7	5	35	53	29	94	1.04	6.7
SS		DO	4M	100	2.0	109	107	10	9			91					23	157	2.11	.7
SS	**Totals**			1	2.0	109	107	10	9			91					23	157	2.11	.7
Type Totals					4.4	20,506	19,608	1,882	34	18	21	28	3	8	17	71	33	80	0.73	244.0

T TSPCSTGR
Make a Buck

Make-A-Buck Volume Summary Area 2

Project: MAKEBUK3

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T03N R08W S27 TMC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
03N	08W	27	AREA2	MC	50.00	10	67	S	W

T03N R08W S27 TMC

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 6-7	8-9	10-11	12+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
RA		DO	CR	91	6.2	7,597	7,125	356	44	31	21	4	3	16	26	55	33	76	0.74	94.3
RA		PU	CR	9	5.0	673	639	32	69	31				69	31		30	47	0.45	13.5
RA	**Totals**			35	6.1	8,270	7,764	388	46	31	19	4	3	21	26	51	32	72	0.71	107.8
DF		DO	2M	37	2.0	3,151	3,088	154									40	271	1.72	11.4
DF		DO	3M	48	3.6	4,101	3,955	198	14	41	45				21	79	38	98	0.71	40.4
DF		DO	4M	15	2.0	1,247	1,222	61					4	31	8	57	30	32	0.29	38.1
DF	**Totals**			37	2.8	8,499	8,265	413	22	19	22	37	1	5	11	83	35	92	0.70	89.9
WH		DO	3M	71	3.3	2,497	2,415	121	20	26	25	30		5	6	89	39	116	0.76	20.8
WH		DO	4M	29	2.0	959	940	47	88	12				40	54	6	31	37	0.31	25.1
WH	**Totals**			15	2.9	3,457	3,355	168	39	22	18	21		15	20	65	34	73	0.54	45.9
DL		DO	2M	45		978	978	49									40	321	1.90	3.0
DL		DO	3M	45	2.3	986	964	48	8		52	40			13	87	39	182	1.32	5.3
DL		DO	4M	10		202	202	10	43	57			26		74		26	47	0.49	4.3
DL	**Totals**			10	1.0	2,166	2,143	107	8	5	23	64	2		13	85	35	169	1.27	12.7
SS		DO	3M	84	10.2	189	169	8									32	108	1.26	1.6
SS		DO	4M	16	2.0	31	31	2									20	20	0.37	1.6
SS	**Totals**			1	9.0	220	200	10	15		85		15		85		26	64	0.92	3.1
WL		DO	3M	100	5.7	368	347	17	18			82			18	82	38	165	1.30	2.1
WL	**Totals**			2	5.7	368	347	17	18			82			18	82	38	165	1.30	2.1
Type Totals					3.9	22,980	22,075	1,104	32	22	21	26	2	11	19	69	34	84	0.71	261.5

T TSPCSTGR
Make a Buck

Make-A-Buck Volume Summary Area 3

Project: MAKEBUK3

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T03N R08W S32 TPC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
03N	08W	32	AREA3	PC	46.00	6	38	S	W

T03N R08W S32 TPC

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 6-7	8-9	10-11	12+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Bd Ft	CF/ Lf	Logs Per /Acre
DF		DO	3M	74	5.0	11,946	11,345	522	11	49	41			6	8	86	37	102	0.77	111.4
DF		DO	4M	26	2.0	3,876	3,799	175						60	15	25	29	31	0.29	123.9
DF	**Totals**			55	4.3	15,822	15,143	697	33	37	30			19	10	71	33	64	0.55	235.2
DL		DO	3M	80	4.3	9,569	9,159	421			87	13			6	94	39	159	1.13	57.4
DL		DO	4M	20		2,163	2,163	99	89		11		7	31	30	32	29	36	0.39	60.5
DL	**Totals**			41	3.5	11,732	11,322	521	17		73	11	1	6	10	82	34	96	0.81	117.9
RA		DO	CR	100	5.0	994	944	43	51	49					51	49	36	61	0.64	15.5
RA	**Totals**			3	5.0	994	944	43	51	49					51	49	36	61	0.64	15.5
Type Totals					4.0	28,548	27,409	1,261	27	22	47	4	1	13	12	75	34	74	0.63	368.7

TC PLOGSTVB
Make a Buck

Log Stock Table - MBF

T03N R08W S27 TyPC	96.00
T03N R08W S27 TyMC	50.00
T03N R08W S32 TyPC	46.00

Project: MAKEBUK3
Acres 192.00

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Spp	ST	Sort	Grade	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	12-13	14-15	16-19	20-23	24-29	30-39	40+
DL		DO	2M	40	287	1.9	281	21.6						71		88	122			
DL		DO	3M	22	4		4	.3						4						
DL		DO	3M	23	1		1	.1			1									
DL		DO	3M	32	113	5.6	107	8.2				8	76	23						
DL		DO	3M	38	6	16.7	5	.4			5									
DL		DO	3M	40	734	4.2	703	53.9			17	60	447	113		66				
DL		DO	4M	15	2		2	.2		2										
DL		DO	4M	16	7		7	.6		3				4						
DL		DO	4M	17	3		3	.3		3										
DL		DO	4M	18	2		2	.2		1		1								
DL		DO	4M	19	13		13	1.0		10	1	2								
DL		DO	4M	20	3		3	.2			3									
DL		DO	4M	21	4		4	.3		3	1									
DL		DO	4M	22	11		11	.9					11							
DL		DO	4M	23	3		3	.2		3										
DL		DO	4M	24	22		22	1.7		22										
DL		DO	4M	25	5		5	.4		4	1									
DL		DO	4M	26	5		5	.4		4	2									
DL		DO	4M	27	3		3	.2		3										
DL		DO	4M	28	2		2	.2			2									
DL		DO	4M	30	2		2	.2		2										
DL		DO	4M	31	22		22	1.7		20	2									
DL		DO	4M	32	16		16	1.2		5		10								
DL		DO	4M	34	12		12	.9		10		2								
DL		DO	4M	35	9		9	.7		9										
DL		DO	4M	36	3		3	.2			3									
DL		DO	4M	37	25		25	1.9		25										
DL		DO	4M	38	3		3	.3				3								
DL		DO	4M	40	23		23	1.8		4	20									
DL		Totals			1,349	3.2	1,305	30.7		135	58	86	534	215		88	188			
DF		DO	2M	40	158	2.0	154	11.6						71		66	17			
DF		DO	3M	23	20	2.0	20	1.5				20								
DF		DO	3M	24	10	2.0	10	.7		10										
DF		DO	3M	32	130	4.9	123	9.3			28	88	7							
DF		DO	3M	34	7	2.0	6	.5			6									
DF		DO	3M	40	780	5.1	739	55.6			83	333	324							

TC PLOGSTVB
Make a Buck

Log Stock Table - MBF

T03N R08W S27 TyPC	96.00
T03N R08W S27 TyMC	50.00
T03N R08W S32 TyPC	46.00

Project: MAKEBUK3
Acres 192.00

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Spp	ST	Sort	Grade	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	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		DO	4M	15	4	2.0	4	.3		3	1									
DF		DO	4M	17	3	2.0	3	.2		3										
DF		DO	4M	20	1	2.0	1	.1		1										
DF		DO	4M	21	10	2.0	10	.8		10										
DF		DO	4M	22	17	2.0	16	1.2		16										
DF		DO	4M	23	5	2.0	5	.4		5										
DF		DO	4M	24	14	2.0	13	1.0		12	2									
DF		DO	4M	25	32	2.0	31	2.4		31										
DF		DO	4M	26	9	2.0	9	.7		9										
DF		DO	4M	27	14	2.0	14	1.0		14										
DF		DO	4M	28	26	2.0	26	1.9		26										
DF		DO	4M	30	13	2.0	12	.9		12										
DF		DO	4M	31	8	2.0	8	.6		8										
DF		DO	4M	32	22	2.0	22	1.6		13	9									
DF		DO	4M	33	2	2.0	2	.2		2										
DF		DO	4M	34	8	2.0	8	.6		8										
DF		DO	4M	36	23	2.0	23	1.7		23										
DF		DO	4M	39	6	2.0	6	.4		6										
DF		DO	4M	40	57	2.0	55	4.2		40	16									
DF		DO	4M	41	8	2.0	7	.6		7										
DF		Totals			1,385	4.0	1,329	31.3		259	144	441	331	71	66	17				
WH		DO	3M	30	6	2.0	6	1.4			6									
WH		DO	3M	32	30	12.3	27	6.0				8	11			7				
WH		DO	3M	40	304	3.2	295	66.2			68	128	70	28						
WH		DO	4M	17	6	2.0	6	1.4			6									
WH		DO	4M	18	2	2.0	2	.4			2									
WH		DO	4M	19	3	2.0	3	.6			3									
WH		DO	4M	20	2	2.0	2	.4			2									
WH		DO	4M	22	6	2.0	6	1.4		2		4								
WH		DO	4M	23	2	2.0	2	.3		2										
WH		DO	4M	24	3	2.0	3	.8			3									
WH		DO	4M	25	10	27.6	7	1.6		5	2									
WH		DO	4M	26	5	2.0	4	1.0			4									
WH		DO	4M	27	17	2.0	16	3.6		12	4									
WH		DO	4M	30	2	2.0	2	.4				2								
WH		DO	4M	34	33	2.0	32	7.2		20	12									
WH		DO	4M	35	13	2.0	12	2.8		12										

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Project: MAKEBUK3
Acres 192.00

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Date 7/28/2009
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Spp	ST	Sort	Grade	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	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		DO	4M	37	11	2.0	11	2.4			11									
WH		DO	4M	40	10	2.0	10	2.2		10										
WH		Totals			464	4.0	445	10.5		63	123	142	81	28		7				
WL		DO	2M	40	63	1.4	62	18.4						29	16	17				
WL		DO	3M	32	37	8.1	34	10.2					34							
WL		DO	3M	35	6		6	1.7			6									
WL		DO	3M	40	187	2.3	183	54.4			16		93	30	43					
WL		DO	3M	41	6		6	1.9			6									
WL		DO	4M	16	1		1	.3			1									
WL		DO	4M	19	1		1	.4		1										
WL		DO	4M	22	2	33.3	2	.5			2									
WL		DO	4M	23	5		5	1.6			5									
WL		DO	4M	24	2		2	.6			2									
WL		DO	4M	31	3		3	.8			3									
WL		DO	4M	35	3		3	.8			3									
WL		DO	4M	40	20		20	6.1			20									
WL		DO	4M	41	8		8	2.4			8									
WL		Totals			344	2.6	336	7.9		1	72		127	59	59	17				
RL		DO	CR	20	11	23.5	9	5.1			4		4							
RL		DO	CR	21	6	14.3	5	3.1		4	2									
RL		DO	CR	22	7	12.5	6	3.6					6							
RL		DO	CR	23	3	33.3	2	1.0			2									
RL		DO	CR	24	9		9	5.1			3	6								
RL		DO	CR	25	6		6	3.6			6									
RL		DO	CR	27	10		10	5.8			10									
RL		DO	CR	30	5	25.0	4	2.3			4									
RL		DO	CR	32	16	13.1	14	8.2			9	6								
RL		DO	CR	35	19	8.1	17	10.1		4	14									
RL		DO	CR	36	18	11.3	16	9.2			16									
RL		DO	CR	40	39	2.3	38	22.1			25		12							
RL		DO	CR	52	21	6.3	20	11.5			20									
RL		DO	CR	60	17	5.3	16	9.4			16									
RL		Totals			187	8.3	171	4.0		7	129	12	23							
RA		DO	CR	17	3	5.0	3	.7			3									
RA		DO	CR	18	4	5.0	4	.8			4									
RA		DO	CR	19	4	5.0	4	.8			4									

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Spp	ST	Sort	Grade	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	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		DO	CR	22	36	10.6	32	6.6			16	8	9							
RA		DO	CR	23	11	5.0	10	2.1			10									
RA		DO	CR	24	9	5.0	9	1.7			9									
RA		DO	CR	25	4	5.0	4	.8			4									
RA		DO	CR	28	17	5.0	16	3.2			16									
RA		DO	CR	29	6	5.0	5	1.1			5									
RA		DO	CR	30	5	5.0	5	1.0			5									
RA		DO	CR	31	9	5.0	8	1.6			8									
RA		DO	CR	32	91	6.6	85	17.2			7	20	58							
RA		DO	CR	34	23	5.0	22	4.5			22									
RA		DO	CR	35	7	5.0	7	1.4				7								
RA		DO	CR	36	22	19.6	18	3.7			12	6								
RA		DO	CR	38	13	5.0	12	2.4			12									
RA		DO	CR	40	158	6.1	148	30.1			35	90	8		14					
RA		DO	CR	41	17	5.0	16	3.2			16									
RA		DO	CR	52	18	5.0	17	3.5			17									
RA		DO	CR	56	18	8.8	16	3.3			16									
RA		DO	CR	60	21	5.0	20	4.0			20									
RA		PU	CR	29	13	5.0	12	2.4			12									
RA		PU	CR	30	11	5.0	10	2.0			10									
RA		PU	CR	31	11	5.0	10	2.0				10								
RA		Totals			528	6.7	492	11.6			263	140	75		14					
NF		DO	3M	32	21	10.9	19	21.4				19								
NF		DO	3M	35	16		16	18.2			16									
NF		DO	3M	37	5		5	6.1			5									
NF		DO	3M	40	42		42	48.2			26		16							
NF		DO	4M	17	5		5	6.1			5									
NF		Totals			90	2.6	87	2.1			53	19	16							
SS		DO	3M	32	9	10.2	8	41.7					8							
SS		DO	4M	20	2	2.0	2	7.6			2									
SS		DO	4M	22	10	2.0	9	45.9								9				
SS		DO	4M	24	1	2.0	1	4.8			1									
SS		Totals			22	5.6	20	.5			3		8			9				
NL		DO	3M	32	9		9	14.9				9								
NL		DO	3M	33	13	15.4	11	18.3					11							

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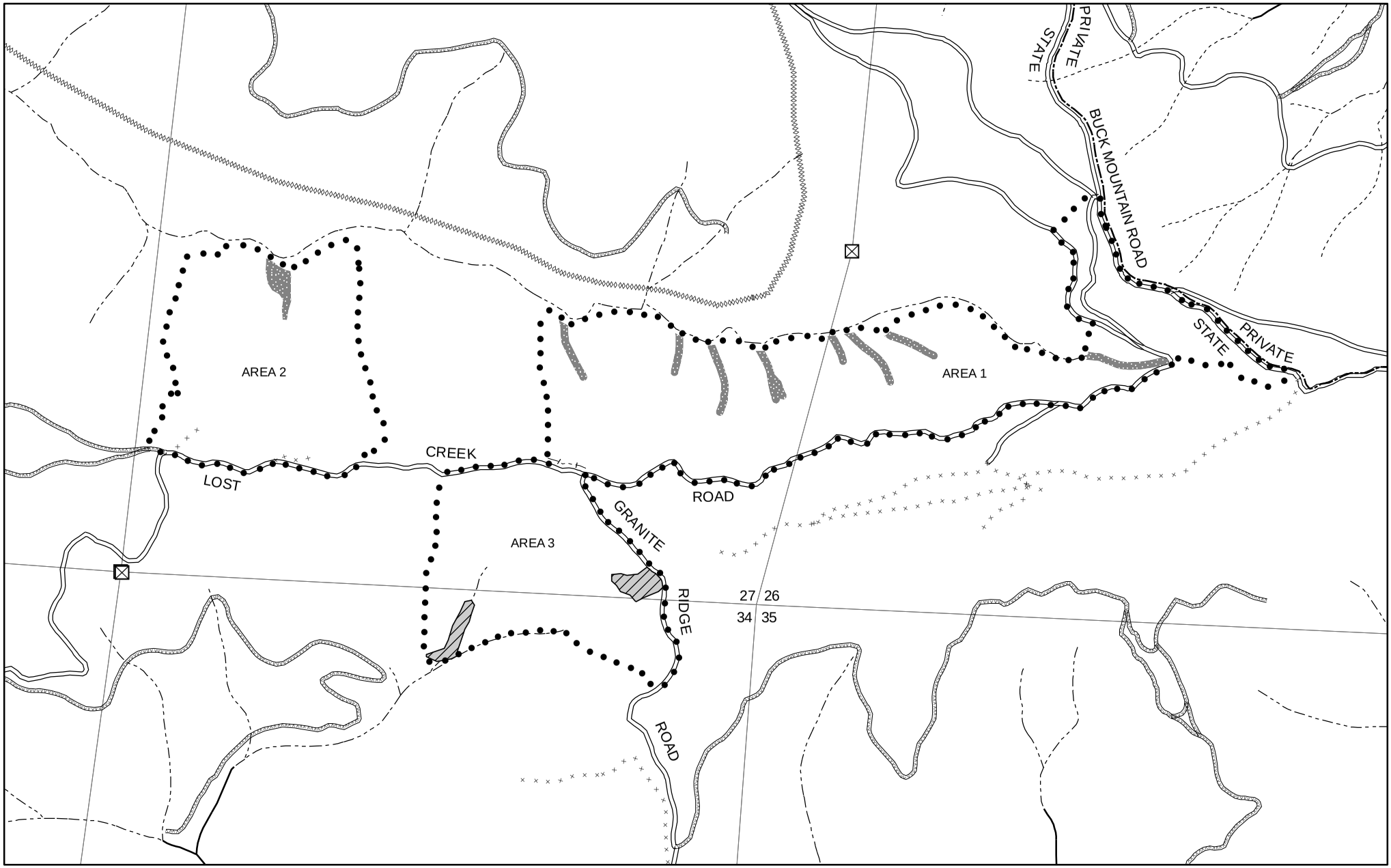
Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
NL		DO	3M	40	32	1.5	32	52.9						11		21				
NL		DO	4M	17	2		2	3.3			2									
NL		DO	4M	18	2		2	3.3			2									
NL		DO	4M	27	1		1	2.0		1										
NL		DO	4M	30	2		2	3.2			2									
NL		DO	4M	34	1		1	2.0		1										
NL		Totals			63	4.0	61	1.4		2		6	9	11	11	21				
Total		All Species			4,431	4.1	4,247	100.0		468		851	848	1207	385	249	239			



Ⓓ 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
Unsurfaced road
Surfaced road
State/Federal highway

County road
Non-project road
Swing road
Legacy road
Blocked road
OHV trail
Non-motorized trail
Transmission line

N

1,000 0 1,000 Feet

LOGGING PLAN

Timber Sale Contract No. 341-10-36
Make-A-Buck
Portions of Sections 26, 27, and 34,
T3N, R8W, W.M.,
Tillamook County, Oregon

Area	Type of Operation	Acres Gross	Net
1	Partial Cut	107	96
2	Modified Clearcut	54	50
3	Partial Cut	50	46
Total		211	192

Tillamook District GIS 06/04/2009
This product is for informational use and may not have been prepared for, or suitable for legal, engineering, or surveying purposes.