"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$223,917.40	$65,263.20	$289,180.60
		Project Work:	$(15,330.00)
		Advertised Value:	$273,850.60

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

District: Tillamook

Date: August 05, 2009

timber description

Location: Portions of Section 33, T1S, R7W and portions of Sections 3, 4, and 10, T2S, R7W, W.M., Tillamook County, Oregon.

Stand Stocking: 80%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	13	0	95
Alder (Red)	14	0	95

Volume by Grade	10" - 11"	12"+	2S	3S	4S	6" - 7"	8" - 9"	Total
Douglas - Fir	0	0	91	1,525	708	0	0	2,324
Alder (Red)	121	156	0	0	0	291	142	710
Total	121	156	91	1,525	708	291	142	3,034

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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

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

Western Red Cedar Stumpage Price = Pond Value minus Logging Cost
$540/MBF = $740/MBF - $200/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 3,034 MBF = $ 3,034
TOTAL Other Costs (with Profit & Risk to be added) = $3,034

Other Costs (No Profit & Risk added):
Tank trap installation on un-surfaced road and road vacating:
2 x $ 75 + $300 = $450
Non-project Roads:
Road 1: 6 stations @ $200/ station = $ 1,200
Road 2: 7 stations @ $200/ station = $ 1,400
TOTAL Other Costs (No Profit & Risk added) = $3,050

ROAD MAINTENANCE
North Fork Trask and Bark Shanty Roads
Interim Grading: $250/mile x 9.6 miles x 2 times / 3,034 MBF = $ 1.58/MBF
Final Grading: $500/mile x 9.6 miles/ 3,034 MBF = $ 1.58/MBF
Spot rocking: (50 cy crushed x 4.99/ cy) / 3,034 MBF = $ 0.08

TOTAL Road Maintenance Cost= $3.24/MBF

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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

logging conditions

combination#: 1 Douglas - Fir 56.77%

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: 5.3 **bd. ft / load:** 4,000
cost / mbf: $156.85

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

combination#: 2 Douglas - Fir 43.23%

yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Shovel **Process:** Stroke Delimber
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 9.0 **bd. ft / load:** 4,000
cost / mbf: $39.95

machines: Stroke Delimber (B)

combination#: 3
Alder (Red) 61.13%
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: 4.0 **bd. ft / load:** 3,000
cost / mbf: $278.68

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

combination#: 4
Alder (Red) 38.87%
yarding distance: Short (400 ft) **downhill yarding:** No
logging system: Shovel **Process:** Stroke Delimber
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 6.4 **bd. ft / load:** 3,000
cost / mbf: $74.61

machines: Stroke Delimber (B)

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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

logging costs

Operating Seasons:	2.00	**Profit Risk:**	15.00%
Project Costs:	$15,330.00	**Other Costs (P/R):**	$3,034.00
Slash Disposal:	$0.00	**Other Costs:**	$3,050.00

Miles of Road

Road Maintenance: $3.24

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	4.0
Alder (Red)	$0.00	3.0	3.1

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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									
$106.32	$3.40	$2.89	$53.26	$1.00	$25.03	$0.00	$5.00	$1.01	$197.91
Alder (Red)									
$199.36	$3.40	$2.89	$68.72	$1.00	$41.31	$0.00	$5.00	$1.01	$322.69

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$294.26	$96.35	$0.00
Alder (Red)	$0.00	$414.61	$91.92	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Downtown
Sale 341-10-53

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

summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	$0.00	$0.00
Alder (Red)	0	$0.00	$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	2,324	$96.35	$223,917.40
Alder (Red)	710	$91.92	$65,263.20

Gross Timber Sale Value

Recovery: $289,180.60

Prepared by: David Wells **Phone:** 503-842-2545

PROJECT SUMMARY SHEET

Sale: Downtown

CONSTRUCTION

Point	C to D	10+00	stations =	$4,006.90
			SUBTOTAL CONSTRUCTION	**$4,006.90**

IMPROVEMENT

Point	A to B	63+70	stations =	$9,688.79
			SUBTOTAL IMPROVEMENT	**$9,688.79**

SPECIAL PROJECTS

MOVE IN **$1,634.31**

GRAND TOTAL **$15,330.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Downtown** Road: **A to B**

Construction -	0+00	stations	Improvement -	63+70	stations	Reconstruction -	0+00	stations
	0.00	miles		1.21	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Scattering	1.000	acres @	$980.00	per acre =	$980.00	
				TOTAL CLEARING AND GRUBBING		**$980.00**

IMPROVEMENT: EXCAVATION -

Road Earthwork	63.70	sta. @	$50.00	per sta. =	$3,185.00	
				TOTAL EXCAVATION		**$3,185.00**

ROCK

0+00	to	63+70	260	cy. of	3" Crushed	@	$11.46	per c.y.=	$2,979.60
								TOTAL ROCK	**$2,979.60**

SPECIAL PROJECTS

Pickup culverts from Tillamook Dist. And Install	5.00	hours @	$130.00	per hour	$650.00
Grade and shape road -	63.70	stations @	$15.50	per station	$987.35
Roll subgrade w/ vibratory roller -	63.70	stations @	$13.20	per station	$840.84
Grass seed and fertilize -	0.30	acres @	$220.00	per acre	$66.00
				TOTAL SPECIAL PROJECTS	**$2,544.19**

GRAND TOTAL **$9,688.79**

SUMMARY OF CONSTRUCTION COST

Sale: **Downtown** Road: **C to D**

Construction -	10+00	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.19	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station			
0+00		10+00	35%			$191	=	$1,910.00	
								TOTAL	**$1,910.00**

ROCK

0+00	to	1+00	50	cy. of	3" Crushed	@	$13.67	per c.y.=	$683.50	
									TOTAL ROCK	**$683.50**

SPECIAL PROJECTS

Grade and shape road -	10.00	stations @	$15.50	per station	$155.00	
Roll subgrade w/ vibratory roller prior to rocking -	10.00	stations @	$13.20	per station	$132.00	
Grass seed and fertilize -	0.22	acres @	$220.00	per acre	$48.40	
				TOTAL SPECIAL PROJECTS		**$335.40**

GRAND TOTAL **$4,006.90**

ROCK PIT DEVELOPMENT AND CROSHING COST SUMMARY

Pit:	Crushed	Location:	Sec. , TN, RW, W.M.
Sale:	Downtown	Road:	310 c.y.
Swell:	1.40	Stockpile:	c.y.
Shirinkage	1.16	Total Truck Loads:	310 c.y.
Drill Pct.:	100%	In Place Total:	c.y.

Load Dump Truck:		$0.70	/cu.yd.	x	310	cu.yds. =	$217.00
						Subtotal	$217.00
Move in Excavator		1	@		$453.43	=	$453.43
Move in Trucks		2	@		$65.41	=	$130.82
						Subtotal	$584.25
						TOTAL PRODUCTION COSTS	$801.25
Base Cost=	$2.58	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 0 6370 (3" Crushed)	7.78	1.10	2.58	11.46	260		$2,979.60
C to D 0 1+00 (3" Crushed)	8.64	2.45	2.58	13.67	50		$683.50
				Total C.Y.	310	Sub Total	$3,663.10
						TOTAL ROCKING COSTS	$3,663.10

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

Sale: **Downtown**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
13.0	Pavement	30
2.0	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	$303.00		$3.65	0.00	0.00	0	$0.00	$303.00
1	Rollers (smooth/grid) & Compactors	$225.02		$5.00	0.00	0.00	0	$0.00	$225.02
1	Excavators (Large)	$463.40	1	$44.80	0.00	0.00	0	$0.00	$463.40
1	Tractors (D7)	$404.46	2	$11.30	0.00	0.00	0	$0.00	$404.46
2	Dump Truck (10 cy +)	$161.54		$2.85	0.00	0.00	0	$0.00	$161.54
1	Water Truck (2500 Gal)	$76.89		$2.85	0.00	0.00	0	$0.00	$76.89
					TOTAL MOVE-IN COSTS:				$1,634.31

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
Downtown

1. Type of Sale

Modified Clear-cut harvest, Recovery

2. Legal Description

Section 33, T1S, R7W and Sections 3, 4, and 10, T2S, R7W, W.M. Tillamook County, Oregon

3. Sale Acreage

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

ACRES

	Gross	Net
Area 1 (Modified Clear Cut)	89	85
Area 2 (Modified Clear Cut)	4	4
Area 2 (Modified Clear Cut)	131	112
Area 4 (Modified Clear Cut)	36	31

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, 2, 3, and 4 were cruised with plots spaced every 350' on lines 700' apart on a S25^{0}W bearing. Trees were measured to the nearest foot in height and inch in diameter. Top cruise diameter was 5" for Douglas-fir and other conifers and 6" for hardwoods or 25% of the diameter breast height whichever was larger. Based on net board feet the combined CV and SE for Areas 1, 2, 3 and 4 is 120.8% and 12.3% respectively.

B. Plot size

A BAF of 33.61 was used on all of the areas. 4 1/2 feet was the point of tree observation.

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 removing the leave tree volume in Areas 3 and 4.

6. Hidden Defect and Breakage

A 2% defect and breakage 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 stand contains 40 to 45 year old timber. Areas 1 and 2 were planted in 1967-68 and thinned in 1992. Area 3 and 4 were seeded in 1961-62 and received no other forest management. Douglas-fir shows a moderate level of Swiss needle cast infection. The entire sale area was burned in 1933 and 1939, and about 60% of the area was additionally burned in 1951.

8. Cruiser Names/Dates

Contract cruise, November 2007

9. Revenue Distribution

FDF 100%	Tax Code:	9-1	99%
		9-2	1%

Deed Numbers: 161, 169

10. Attachments

Volume Summaries
Logging Plan Map
Stand Table
Log Stock Tables

11. Stand and Log Stock Tables Species Key

DL – Douglas-fir leave
DF – Douglas-fir take
RA – Red alder take
SS – Sitka spruce

TC PSTNDSUM

Downtown

Stand Table Summary

Page 1

Date: 7/30/2009

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project DOWNTOWN

Acres 232.00

Time: 11:20:11AM

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	10	90	79	14.734	5.14	14.73	5.6	28.4	2.33	82	419	541	190	97
DF		9	14	87	79	13.189	5.83	12.79	6.8	29.8	2.47	87	382	573	201	89
DF		10	25	87	80	12.316	6.72	16.00	8.9	37.6	4.05	142	601	939	329	139
DF		11	46	88	87	19.200	12.75	33.74	10.2	42.9	9.76	343	1,448	2,265	795	336
DF		12	36	88	90	9.023	7.09	16.31	12.4	51.2	5.76	202	835	1,336	469	194
DF		13	48	87	95	12.060	11.12	22.49	15.0	57.2	9.64	338	1,288	2,237	785	299
DF		14	37	87	96	11.568	12.20	23.14	17.0	65.0	11.23	394	1,505	2,606	914	349
DF		15	25	87	98	4.279	5.26	6.79	22.5	85.4	4.35	153	579	1,009	354	134
DF		16	32	85	95	5.343	7.44	11.52	20.3	73.9	6.65	233	851	1,542	541	197
DF		17	22	87	90	4.236	6.68	7.00	23.8	90.1	4.75	167	631	1,103	387	146
DF		18	15	87	94	2.542	4.49	4.32	27.6	106.0	3.40	119	459	788	276	106
DF		19	12	86	102	2.819	5.48	5.64	32.5	112.9	5.22	183	637	1,210	425	148
DF		20	11	87	109	1.314	2.87	2.63	39.4	144.3	2.95	103	379	684	240	88
DF		22	2	86	105	.129	.34	.26	46.1	166.6	.34	12	43	79	28	10
DF		26	2	83	105	.093	.34	.19	66.4	225.4	.35	12	42	81	29	10
DF		34	2	88	96	.054	.34	.05	164.5	823.2	.25	9	45	59	21	10
DF		Totals	339	88	88	112.899	94.09	177.59	14.5	57.1	73.50	2,579	10,142	17,052	5,983	2,353
RA		8	4	88	64	1.944	.68	1.94	8.5	38.0	.45	16	74	105	38	17
RA		9	7	83	54	5.052	2.23	5.05	8.2	31.4	1.14	41	159	264	96	37
RA		10	7	83	56	3.043	1.66	2.42	11.8	42.4	.78	29	103	182	66	24
RA		11	5	82	82	2.868	1.89	3.38	14.1	46.9	1.31	48	159	303	110	37
RA		12	12	80	52	2.592	2.04	3.46	11.4	35.6	1.09	39	123	252	92	29
RA		13	17	80	68	3.641	3.36	4.38	19.3	51.3	2.33	85	225	540	196	52
RA		14	17	81	56	5.629	6.02	7.40	17.3	47.7	3.52	128	353	817	297	82
RA		15	10	83	74	3.085	3.79	5.89	18.9	61.5	3.07	111	363	711	259	84
RA		16	16	80	65	4.936	6.89	6.78	24.5	70.8	4.56	166	480	1,059	385	111
RA		17	8	83	65	2.186	3.45	3.39	24.2	65.9	2.25	82	223	522	190	52
RA		18	16	80	65	2.718	4.80	3.98	30.6	82.8	3.35	122	329	778	283	76
RA		19	27	83	53	3.918	7.71	5.12	30.2	85.5	4.26	155	438	989	360	102
RA		20	7	83	44	1.023	2.23	.93	30.1	98.2	.77	28	92	179	65	21
RA		21	5	75	64	.787	1.89	.79	43.4	108.4	.94	34	85	218	79	20
RA		23	5	83	60	.656	1.89	1.19	31.5	106.5	1.03	38	127	240	87	30
RA		24	2	68	65	.108	.34	.22	32.6	90.3	.19	7	19	45	16	5
RA		25	2	82	68	.100	.34	.20	49.8	161.5	.27	10	32	63	23	7
RA		27	1	84	76	.161	.64	.16	62.0	304.0	.37	10	49	86	23	11
RA		28	1	92	75	.150	.64									
RA		Totals	169	82	62	44.598	52.49	56.69	20.3	60.5	31.70	1,149	3,432	7,354	2,666	796
DL		21	2	82	107	.964	2.32	1.93	38.3	120.0	2.03	74	231	471	171	54
DL		22	2	85	122	.698	1.80	1.85	36.6	140.3	1.87	68	260	433	157	60
DL		24	2	88	102	.408	1.28	.82	52.3	202.5	1.18	43	165	273	99	38
DL		Totals	6	84	111	2.071	5.40	4.60	40.1	142.9	5.07	184	657	1,176	428	152
SS		13	2	66	44	.368	.34	.37	10.6	19.6	.10	4	7	23	9	2
SS		Totals	2	66	44	.368	.34	.37	10.6	19.6	.10	4	7	23	9	2
Totals			516	86	81	159.935	152.33	239.24	16.4	59.5	110.37	3,916	14,238	25,605	9,086	3,303

DOWNTOWN
Volume Summary –Areas 1, 2, 3, and 4 (All)

Date 5/11/2009
Time 9:06:47AM

Acres 232.00

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
DF		DO2M	3	2.3	400	391	91				100				100	39	243	1.46	1.6
DF		DO3M	65	2.2	6,721	6,575	1,525	23	45	25	8		1	11	88	38	97	0.65	68.1
DF		DO4M	30	2.1	3,117	3,051	708	99	1			12	46	14	28	28	30	0.28	101.4
DF		DOUT		2.0	25	25	6								100	40	39	0.29	.6
DF		PU UT	2	2.0	108	106	25	74			26	38	62			22	29	0.29	3.6
DF	**Totals**		71	2.2	10,371	10,147	2,354	46	29	16	9	4	15	11	69	32	58	0.46	175.3
RA		DOCR	86	6.6	3,278	3,062	710	41	20	17	22	14	20	30	36	29	60	0.69	51.3
RA		PU UT	14	8.1	502	461	107	18	24	26	32	9	67		24	27	74	0.81	6.2
RA	**Totals**		25	6.8	3,779	3,524	817	38	21	18	23	13	26	26	35	29	61	0.70	57.5
DL		DO2M	31	6.2	218	204	47				100				100	40	313	1.94	.7
DL		DO3M	65	3.1	431	417	97	15	10		75	2	5	18	75	33	119	1.08	3.5
DL		DO4M	1	2.0	8	8	2						100			26	39	0.75	.2
DL		PU UT	3	2.0	15	14	3								100	40	59	0.63	.2
DL	**Totals**		4	4.1	671	644	149	13	6		80	1	4	12	83	34	140	1.19	4.6
SS		PU UT		2.0	7	7	2					100				20	20	0.53	.4
SS	**Totals**		0	2.0	7	7	2					100				20	20	0.53	.4
Totals				3.4	14,829	14,321	3,322	42	26	16	16	6	17	15	61	31	60	0.53	237.7

DOWNTOWN
Volume Summary – Area 1

Date 5/11/2009
Time 9:00:14AM

T02S R07W S04 TSALE

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	04	AREA 1	SALE	85.00	38	221	S	W

T02S R07W S04 TSALE

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	2M	2	3.0	327	317	27									38	323	1.86	1.0
DF		DO	3M	68	2.1	10,906	10,673	907	19	41	30	10			13	87	38	103	0.66	103.9
DF		DO	4M	29	2.2	4,570	4,468	380	99	1			9	39	13	39	29	32	0.29	140.2
DF		DO	UT	1	2.0	65	64	5									40	39	0.29	1.6
DF	**Totals**			77	2.2	15,869	15,523	1,319	42	28	21	9	3	11	13	74	33	63	0.48	246.7
RA		DO	CR	98	6.3	4,934	4,626	393	39	17	21	24	10	23	36	31	28	60	0.67	77.7
RA		PU	UT	2	5.0	83	79	7	30		70		70	30			21	47	0.58	1.7
RA	**Totals**			23	6.2	5,017	4,704	400	39	16	22	23	11	24	36	30	28	59	0.67	79.3
SS		PU	UT	100	2.0	19	19	2									20	20	0.53	1.0
SS	**Totals**			0	2.0	19	19	2									20	20	0.53	1.0
Type Totals					3.2	20,906	20,246	1,721	41	26	21	12	5	14	18	63	32	62	0.52	327.0

DOWNTOWN
Volume Summary – Area 2

Date 5/11/2009
Time 9:02:24AM

T02S R07W S04 TSALE

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	04	AREA 2	SALE	4.00	38	221	S	W

T02S R07W S04 TSALE

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	2M	2	3.0	327	317	1									38	323	1.86	1.0
DF		DO	3M	68	2.1	10,906	10,673	43	19	41	30	10			13	87	38	103	0.66	103.9
DF		DO	4M	29	2.2	4,570	4,468	18	99	1			9	39	13	39	29	32	0.29	140.2
DF		DO	UT	1	2.0	65	64	0									40	39	0.29	1.6
DF	**Totals**			77	2.2	15,869	15,523	62	42	28	21	9	3	11	13	74	33	63	0.48	246.7
RA		DO	CR	98	6.3	4,934	4,626	19	39	17	21	24	10	23	36	31	28	60	0.67	77.7
RA		PU	UT	2	5.0	83	79	0	30		70		70	30			21	47	0.58	1.7
RA	**Totals**			23	6.2	5,017	4,704	19	39	16	22	23	11	24	36	30	28	59	0.67	79.3
SS		PU	UT	100	2.0	19	19	0									20	20	0.53	1.0
SS	**Totals**			0	2.0	19	19	0									20	20	0.53	1.0
Type Totals					3.2	20,906	20,246	81	41	26	21	12	5	14	18	63	32	62	0.52	327.0

DOWNTOWN
Volume Summary – Area 3

Date 5/11/2009
Time 9:03:52AM

T02S R07W S04 TSALE

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	04	AREA 3	SALE	112.00	14	54	S	W

T02S R07W S04 TSALE

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	2M	4	2.0	264	259	29									40	235	1.45	1.1
DF		DO	3M	60	2.0	3,746	3,671	411	31	45	18	7			11	89	39	92	0.66	40.1
DF		DO	4M	36	2.0	2,240	2,195	246					19	57	18	7	25	27	0.27	80.0
DF	**Totals**			60	2.0	6,250	6,125	686	54	27	11	8	7	20	13	60	30	51	0.45	121.2
RA		DO	CR	75	7.2	2,621	2,433	272	39	28	12	22	22	16	23	39	29	60	0.75	40.6
RA		PU	UT	25	5.0	833	792	89	19	30	26	26	5	66		30	28	71	0.79	11.2
RA	**Totals**			32	6.7	3,454	3,224	361	34	28	15	23	18	28	17	36	29	62	0.76	51.8
DL		DO	3M	100	3.1	866	839	94	13	10		77	2	5	16	77	33	123	1.10	6.8
DL	**Totals**			8	3.1	866	839	94	13	10		77	2	5	16	77	33	123	1.10	6.8
Type Totals					3.6	10,571	10,189	1,141	44	26	11	19	10	22	15	54	30	57	0.56	179.8

DOWNTOWN
Volume Summary – Area 4

Date 5/11/2009
Time 10:41:45AM

T02S R07W S04 TSALE

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	04	AREA 4	SALE	31.00	7	23	S	W

T02S R07W S04 TSALE

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	2M	11	2.0	1,100	1,078	33									38	206	1.26	5.2
DF		DO	3M	58	2.8	5,454	5,301	164	25	66	9			12		88	36	80	0.56	66.2
DF		DO	4M	22	2.0	2,114	2,072	64					10	48	4	38	29	31	0.24	67.5
DF		PU	UT	9	2.0	808	792	25	74			26	38	62			22	29	0.29	26.9
DF	**Totals**			76	2.5	9,476	9,243	287	43	38	5	14	6	23	1	71	31	56	0.44	165.7
RA		DO	CR	69	5.0	893	848	26	100								40	61	0.45	14.0
RA		PU	UT	31	27.6	507	367	11				100					28	304	2.21	1.2
RA	**Totals**			10	13.2	1,400	1,215	38	70			30		30		70	39	80	0.55	15.2
DL		DO	2M	85	6.2	1,628	1,527	47									40	313	1.94	4.9
DL		DO	3M	5	2.0	92	90	3									34	59	0.75	1.5
DL		DO	4M	4	2.0	61	60	2									26	39	0.75	1.5
DL		PU	UT	6	2.0	109	107	3									40	59	0.63	1.8
DL	**Totals**			15	5.6	1,890	1,784	55	14			86		3	5	92	37	183	1.37	9.8
Type Totals					4.1	12,766	12,242	379	41	29	4	26	4	21	1	74	32	64	0.50	190.7

Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Acres **DOWNTOWN** **232.00**

Date 5/12/2009
Time 3:25:27PM

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	2M	36	28	2.0	28	1.2						28						
DF		DO	2M	40	65	2.5	63	2.7						44		8		10		
DF		DO	3M	26	20	2.0	20	.8			20									
DF		DO	3M	32	164	2.3	160	6.8			109	30	21							
DF		DO	3M	34	7	2.0	7	.3			7									
DF		DO	3M	35	2	2.0	2	.1			2									
DF		DO	3M	36	43	2.0	42	1.8			14	18	10							
DF		DO	3M	39	1	2.0	1	.1			1									
DF		DO	3M	40	1,322	2.2	1,294	55.0			196	634	345	110		8				
DF		DO	4M	13	1	2.0	1	.0	1											
DF		DO	4M	15	5	2.0	5	.2	5											
DF		DO	4M	16	13	2.0	13	.6	13											
DF		DO	4M	17	14	2.0	14	.6	12		2									
DF		DO	4M	18	17	2.0	16	.7	16											
DF		DO	4M	19	4	2.0	4	.2	4											
DF		DO	4M	20	36	2.0	35	1.5	32		3									
DF		DO	4M	21	16	2.0	16	.7	13		4									
DF		DO	4M	22	23	2.0	23	1.0	23											
DF		DO	4M	23	14	2.0	14	.6	10			4								
DF		DO	4M	24	32	5.1	31	1.3	31											
DF		DO	4M	25	44	2.0	43	1.8	43											
DF		DO	4M	26	37	2.0	36	1.5	28		9									
DF		DO	4M	27	88	2.0	86	3.6	86											
DF		DO	4M	28	13	2.0	13	.6	13											
DF		DO	4M	29	31	2.0	30	1.3	30											
DF		DO	4M	30	31	2.0	31	1.3	31											
DF		DO	4M	31	17	2.0	16	.7	16											
DF		DO	4M	32	9	2.0	9	.4	9											
DF		DO	4M	33	33	2.0	33	1.4	33											
DF		DO	4M	34	26	2.0	26	1.1	26											
DF		DO	4M	35	16	2.0	15	.6	15											
DF		DO	4M	36	25	2.0	25	1.0	25											
DF		DO	4M	37	31	2.0	30	1.3	26		4									
DF		DO	4M	38	33	2.0	32	1.4	32											
DF		DO	4M	39	9	2.0	9	.4	9											
DF		DO	4M	40	100	2.0	98	4.2	40		58									
DF		DO	4M	41	3	2.0	3	.1	3											

Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project: DOWNTOWN
Acres 232.00

Date 5/12/2009
Time 3:25:27PM

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	UT	40	6	2.0	6	.2		6										
DF		PU	UT	12	7	2.0	6	.3						6						
DF		PU	UT	19	3	2.0	3	.1		3										
DF		PU	UT	23	5	2.0	4	.2		4										
DF		PU	UT	24	8	2.0	8	.3		8										
DF		PU	UT	26	3	2.0	3	.1		3										
DF		Totals			2,406	2.2	2,354	70.9		648	428	686	376	189	8	8	10			
RA		DO	CR	14	6	5.0	6	.7			6									
RA		DO	CR	15	6	5.0	5	.7				2		3						
RA		DO	CR	16	8	5.0	8	.9			1			3	3					
RA		DO	CR	17	5	5.0	5	.6			5									
RA		DO	CR	18	34	13.2	29	3.6			7				3	19				
RA		DO	CR	19	5	5.0	5	.6			5									
RA		DO	CR	20	46	8.7	42	5.2			2		15	19	6					
RA		DO	CR	21	6	5.0	6	.7			5	1								
RA		DO	CR	22	11	5.0	11	1.3			3	3		5						
RA		DO	CR	23	26	5.0	25	3.1			25									
RA		DO	CR	24	30	5.0	28	3.5			7			21						
RA		DO	CR	25	34	5.0	32	4.0			32									
RA		DO	CR	26	14	5.0	13	1.6			7			6						
RA		DO	CR	27	8	5.0	8	.9			8									
RA		DO	CR	28	13	5.0	12	1.5			12									
RA		DO	CR	29	4	5.0	4	.5			4									
RA		DO	CR	30	3	28.7	2	.3			2									
RA		DO	CR	31	17	5.0	16	2.0			13		3							
RA		DO	CR	32	172	5.5	162	19.9			9	60	41	47		7				
RA		DO	CR	33	17	20.4	14	1.7			14									
RA		DO	CR	34	11	5.0	11	1.3			11									
RA		DO	CR	35	9	5.0	8	1.0			8									
RA		DO	CR	36	64	7.6	59	7.2			10	29	20							
RA		DO	CR	37	9	5.0	8	1.0			8									
RA		DO	CR	38	7	16.4	6	.7			6									
RA		DO	CR	40	195	5.3	185	22.6			82	50	38	14						
RA		PU	UT	18	5	5.0	4	.5			4									
RA		PU	UT	20	5	5.0	5	.6					5							
RA		PU	UT	21	2	5.0	2	.3			2									

Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project: DOWNTOWN
Acres 232.00

Date 5/12/2009
Time 3:25:27PM

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		PU	UT	24	5	5.0	5	.6			5									
RA		PU	UT	25	3	5.0	3	.3			3									
RA		PU	UT	28	45	12.9	39	4.8			5		23			11				
RA		PU	UT	30	24	5.0	23	2.8						23						
RA		PU	UT	40	28	5.0	26	3.2				26								
RA		Totals			877	6.8	817	24.6			311	170	145	141	13	37				
DL		DO	2M	40	50	6.2	47	31.7							47					
DL		DO	3M	15	2	2.0	2	1.4			2									
DL		DO	3M	29	4	2.0	4	2.9			4									
DL		DO	3M	32	15	2.0	15	9.9			5	9								
DL		DO	3M	34	3	2.0	3	1.9			3									
DL		DO	3M	40	75	3.5	73	48.7						43	30					
DL		DO	4M	26	2	2.0	2	1.2			2									
DL		PU	UT	40	3	2.0	3	2.2			3									
DL		Totals			156	4.1	149	4.5			20	9		43	77					
SS		PU	UT	20	2	2.0	2			2										
SS		Totals			2	2.0	2	.1		2										
Total		All Species			3,440	3.4	3,322			650	759	866	521	373	98	46	10			

TC PLOGSTVB
Downtown

Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project: DOWNTOWN
Acres 232.00

Page 1
Date 7/30/2009
Time 11:25:51AM

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	2M	36	28	2.0	28	1.2						28						
DF		DO	2M	40	177	2.2	173	7.4						146		8	8	10		
DF		DO	3M	12	7	2.0	6	.3						6						
DF		DO	3M	26	20	2.0	20	.8			20									
DF		DO	3M	32	164	2.3	160	6.8			109	30	21							
DF		DO	3M	34	7	2.0	7	.3			7									
DF		DO	3M	35	2	2.0	2	.1			2									
DF		DO	3M	36	43	2.0	42	1.8			14	18	10							
DF		DO	3M	39	1	2.0	1	.1			1									
DF		DO	3M	40	1,213	2.2	1,186	50.4			199	634	345	9						
DF		DO	4M	13	1	2.0	1	.0		1										
DF		DO	4M	15	5	2.0	5	.2		5										
DF		DO	4M	16	13	2.0	13	.6		13										
DF		DO	4M	17	14	2.0	14	.6		12	2									
DF		DO	4M	18	17	2.0	16	.7		16										
DF		DO	4M	19	7	2.0	7	.3		7										
DF		DO	4M	20	36	2.0	35	1.5		32	3									
DF		DO	4M	21	15	2.0	15	.6		15										
DF		DO	4M	22	23	2.0	23	1.0		23										
DF		DO	4M	23	19	2.0	18	.8		14		4								
DF		DO	4M	24	40	4.4	39	1.6		39										
DF		DO	4M	25	44	2.0	43	1.8		43										
DF		DO	4M	26	40	2.0	39	1.7		31	9									
DF		DO	4M	27	88	2.0	86	3.6		86										
DF		DO	4M	28	13	2.0	13	.6		13										
DF		DO	4M	29	31	2.0	30	1.3		30										
DF		DO	4M	30	31	2.0	31	1.3		31										
DF		DO	4M	31	17	2.0	16	.7		16										
DF		DO	4M	32	9	2.0	9	.4		9										
DF		DO	4M	33	33	2.0	33	1.4		33										
DF		DO	4M	34	26	2.0	26	1.1		26										
DF		DO	4M	35	16	2.0	15	.6		15										
DF		DO	4M	36	25	2.0	25	1.0		25										
DF		DO	4M	37	31	2.0	30	1.3		26	4									
DF		DO	4M	38	33	2.0	32	1.4		32										
DF		DO	4M	39	9	2.0	9	.4		9										
DF		DO	4M	40	103	2.0	101	4.3		45	56									

TC PLOGSTVB
Downtown

Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project: DOWNTOWN
Acres 232.00

Date 7/30/2009
Time 11:25:51AM

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	41	3	2.0	3	.1		3										
DF		Totals			2,405	2.2	2,353	71.2		651	425	686	376	189	8	8	10			
RA		DO	3M	16	7	5.0	7	.8						3	3					
RA		DO	3M	18	27	15.3	23	2.9							3	19				
RA		DO	3M	20	44	8.9	40	5.0					15	19	6					
RA		DO	3M	22	5	5.0	5	.7						5						
RA		DO	3M	26	6	5.0	6	.8						6						
RA		DO	3M	28	40	13.9	34	4.3					23			11				
RA		DO	3M	30	24	5.0	23	2.9						23						
RA		DO	3M	31	4	5.0	3	.4					3							
RA		DO	3M	32	99	5.4	94	11.8					41	47		7				
RA		DO	3M	36	22	7.5	20	2.5					20							
RA		DO	3M	40	73	5.0	70	8.8				17	38	14						
RA		DO	4M	14	6	5.0	6	.7			6									
RA		DO	4M	15	6	5.0	5	.7				2		3						
RA		DO	4M	16	1	5.0	1	.1			1									
RA		DO	4M	17	5	5.0	5	.6			5									
RA		DO	4M	18	12	5.0	11	1.4			11									
RA		DO	4M	19	5	5.0	5	.6			5									
RA		DO	4M	20	2	5.0	2	.3			2									
RA		DO	4M	21	6	5.0	6	.7			5	1								
RA		DO	4M	22	6	5.0	5	.7			3	3								
RA		DO	4M	23	26	5.0	25	3.2			25									
RA		DO	4M	24	15	5.0	14	1.8			14									
RA		DO	4M	25	37	5.0	35	4.4			35									
RA		DO	4M	26	8	5.0	7	.9			7									
RA		DO	4M	27	8	5.0	8	.9			8									
RA		DO	4M	28	18	5.0	17	2.1			17									
RA		DO	4M	30	7	15.9	6	.8			6									
RA		DO	4M	31	13	5.0	13	1.6			13									
RA		DO	4M	32	70	5.0	67	8.4			7	60								
RA		DO	4M	33	19	21.3	15	1.9		1	14									
RA		DO	4M	34	11	5.0	11	1.3			11									
RA		DO	4M	35	9	5.0	8	1.1			8									
RA		DO	4M	36	42	7.7	39	4.9			10	29								
RA		DO	4M	37	9	5.0	8	1.0			8									
RA		DO	4M	38	7	16.4	6	.7			6									

TC PLOGSTVB
Downtown

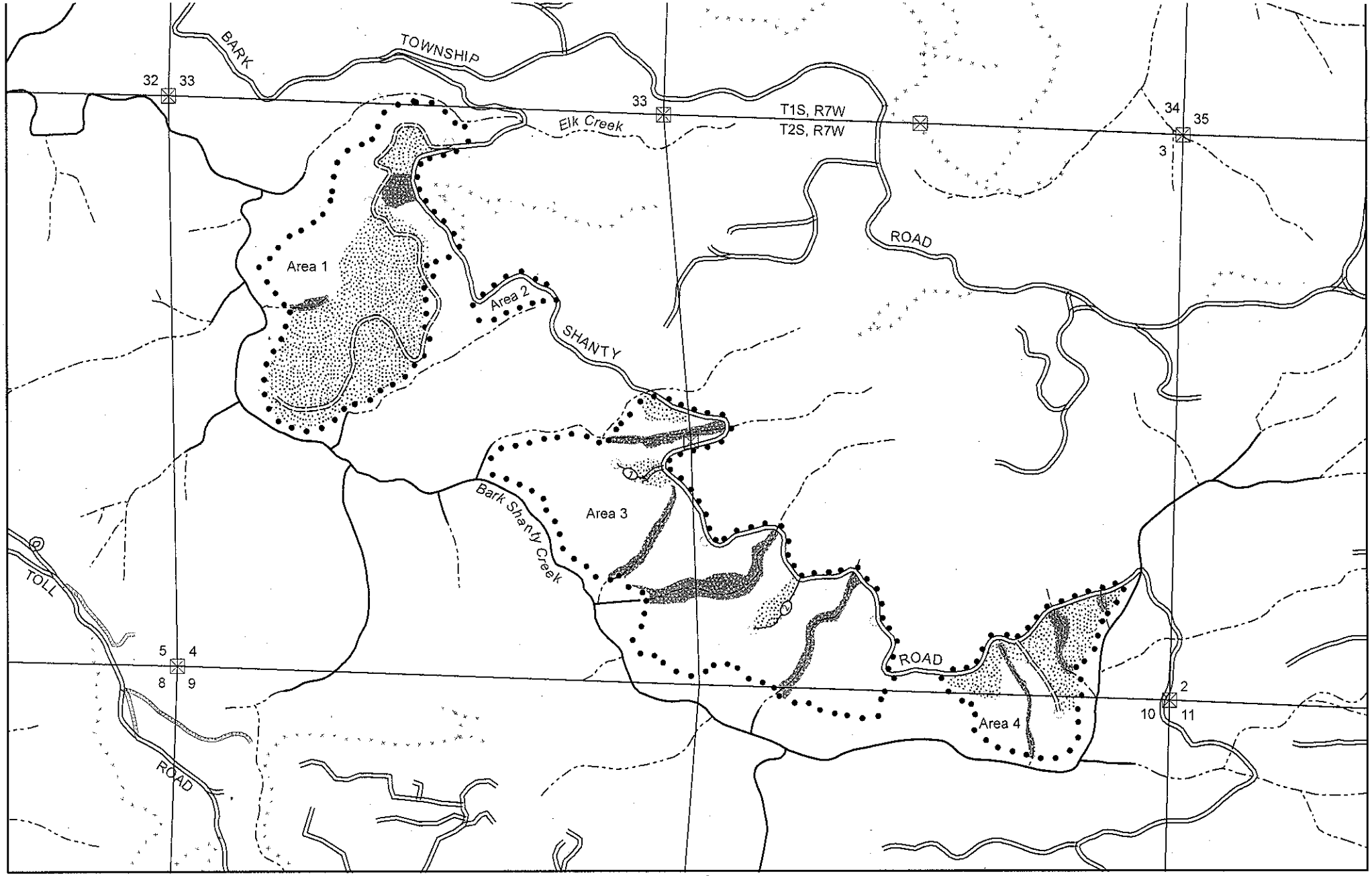
Log Stock Table - MBF

T02S R07W S04 TySALE
THRU
T02S R07W S04 TySALE

Project: DOWNTOWN
Acres 232.00

Date 7/30/2009
Time 11:25:51AM

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	4M	40	154	5.4	146	18.3			87	59								
RA		Totals			854	6.8	796	24.1		1	314	170	140	121	13	37				
DL		DO	2M	40	126	2.6	123	80.4						44	79					
DL		DO	3M	15	2		2	1.4			2									
DL		DO	3M	29	4		4	2.9			4									
DL		DO	3M	32	15		15	9.9			6	10								
DL		DO	3M	34	3		3	1.9			3									
DL		DO	3M	40	3		3	2.2			3									
DL		DO	4M	26	2		2	1.2			2									
DL		Totals			156	2.1	152	4.6			20	10		44	79					
SS		DO	4M	20	2	2.0	2	100.0		2										
SS		Totals			2	2.0	2	.1		2										
Total		All Species			3,417	3.3	3,303	100.0		654	759	866	516	353	100	46	10			



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
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
1,000 0 1,000 Feet
N

LOGGING PLAN

Timber Sale Contract No. 341-10-53
Downtown
Portions of Section 33, T1S, R7W and
Portions of Sectoins 3, 4, and 10, T2S,
R7W, W.M., Tillamook County, Oregon

Area	Type of Operation	Acres Gross	Net
1	Modified Clearcut	89	85
2	Modified Clearcut	4	4
3	Modified Clearcut	131	112
4	Modified Clearcut	36	31
Total		260	232

Tillamook District GIS 05/11/2009
This product is for informational use and may not have been