



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Cost Summary Roger Fox Sale 341-06-41

District: Tillamook

Date: 4/7/06

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$896,149.98	\$147,080.88	\$1,043,230.86
		Project Work	(\$171,208.00)
		Advertised Value	\$872,022.86



Timber Sale Appraisal Timber Description Roger Fox Sale 341-06-41

"STEWARDSHIP IN FORESTRY"

District: Tillamook

Location: Portions of Section 31, T1N, R7W, Sections 5 and 6, T1S, R7W, and Section 1, T1S, R8W, W.M., Tillamook County, Oregon.

Date: 4/7/06

Stand Stocking: 20%

Species	Avg. DBH	Amortized%	Recovery%
Douglas - Fir	12	0	95
Western Hemlock / Fir	18	0	95
Alder (Red)	14	0	100

Volume by Grade	Douglas - Fir	Western Hemlock / Fir	Alder (Red)	Total
2S	131	35	0	166
3S	1,770	69	0	1,839
4S	1,312	13	0	1,325
Camprun	0	0	447	447
Total	3,213	117	447	3,777

Comments: Pond Values Used: 1st Quarter Calendar Year 2006.

Hauling costs adjusted to make equivalent to \$595 daily truck cost w/o P&R (P&R to be added).

Western Red Cedar Stumpage Price = Pond Value minus DF logging costs.
\$625/MBF = \$985/MBF - \$360/MBF

OTHER COSTS (Profit & Risk to be added):

Brand & Paint: $\$2 \times 3,777 \text{ MBF} = \$7,554$
(A) Truck assist/swing: $\$25 \times 150 \text{ MBF} = \$3,750$
(B) Truck assist/swing: $\$25 \times 220 \text{ MBF} = \$5,500$

TOTAL OTHER COSTS (Profit & Risk to be added): \$16,804

OTHER COSTS (No Profit & Risk):

Non Project Road #1: 13 Stations x \$200 = \$2,600
Non Project Road #2: 4 Stations x \$140 = \$560
Non Project Road #3: 4 Stations x \$200 = \$800
Non Project Road #4: 11 Stations x \$140 = \$1,540
Non Project Road #5-13: 47 Stations x \$140 = \$6,580

OHV Trails:

OHV Filter Construction: 2 Filters x \$75 = \$150
OHV Trail Clearing: 25 Stations x \$40 = \$1,000
Installing OHV Dips: 50 Dips x \$150 = \$7,500

Other:

Ditch pulling and end haul: 100 cu yds x \$5.15 = \$515
Slash Piling: 181 acres x \$2.20 = \$398
Optional Rock-Rogers Road (Jaw run rock source)
54 Stations x 39 cu yds/sta x \$12.91 cu yds = \$27,188

TOTAL OTHER COSTS (No Profit & Risk): \$48,831

ROAD MAINTENANCE:

Maintenance rock (Includes move in):

$(\$4.50/\text{yard}^* \times 3.5 \text{ miles} \times 12 \text{ yards/MMBF/mile} \times 3.7 \text{ MMBF})/3,777 \text{ MBF} = \$0.18/\text{MBF}$

*Stockpile rock from Fox Creek Ridge Road

$(10.50/\text{yard} \times 1.75 \text{ miles} \times 12 \text{ yards/MMBF/mile} \times 3.7 \text{ MMBF})/3,777 \text{ MBF} = \$0.22/\text{MBF}$

Grading and Compaction:

Move in = $\$4.83/\text{sta} \times 132 \text{ Stations}/3,777 \text{ MMBF} = \$0.17/\text{MBF}$

Compaction = $\$11.00/\text{sta} \times 132 \text{ Stations}/3,777 \text{ MMBF} = \$0.38/\text{MBF}$

Water = $\$6.75/\text{sta} \times 132 \text{ Stations}/3,777 \text{ MMBF} = \$0.23/\text{MBF}$

Interim Grading = $\$10.00/\text{sta} \times 132 \text{ Stations}/3,777 \text{ MMBF} = \$0.35/\text{MBF}$

Final Grading = $\$17.00/\text{sta} \times 132 \text{ Stations}/3,777 \text{ MMBF} = \$0.59/\text{MBF}$

TOTAL ROAD MAINTENANCE COSTS: \$2.12



Timber Sale Appraisal

Logging Conditions

Roger Fox

Sale 341-06-41

"STEWARDSHIP IN FORESTRY"

Combination#: 1	Douglas - Fir	63.83%	
	Western Hemlock / Fir	30.77%	
	Alder (Red)	72.26%	
Yarding Distance:	Medium (800 ft)		Downhill Yarding: No
Logging System:	Cable: Small Tower <=40		Process: Stroke Delimber
Tree Size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
Loads/Day:	3		Bd. Ft./Load: 3,700
Cost/MBF:	\$221.80		
Machines:			
	Log Loader (A)		
	Stroke Delimber (A)		
	Tower Yarder (Small)		
Combination#: 2	Douglas - Fir	36.17%	
	Western Hemlock / Fir	69.23%	
	Alder (Red)	27.74%	
Yarding Distance:	Short (400 ft)		Downhill Yarding: Yes
Logging System:	Track Skidder		Process: Manual Falling/Delimbing
Tree Size:	Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
Loads/Day:	5		Bd. Ft./Load: 3,700
Cost/MBF:	\$176.51		
Machines:			
	Log Loader (B)		
	Track Skidder		



Timber Sale Appraisal

Logging Costs

Roger Fox

Sale 341-06-41

"STEWARDSHIP IN FORESTRY"

Date: 4/7/06

Operating Seasons: 2.0

Profit & Risk: 15%

Project Costs: \$171,208

Other Costs (P/R): \$16,804

Slash Disposal: \$0

Other Costs: \$48,831

Miles of Road			
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Road Maintenance: \$2.12

Hauling Costs

Species	\$/MBF	Trips/Day	MBF/Load
Douglas - Fir	\$80.00	2.0	3.7
Western Hemlock / Fir	\$54.00	3.0	3.7
Alder (Red)	\$66.00	3.0	3.0



Timber Sale Appraisal Logging Costs Breakdown Roger Fox Sale 341-06-41

"STEWARDSHIP IN FORESTRY"

Costs	Douglas - Fir	Westem Hemlock / Fir	Alder (Red)
Logging	205.42	190.45	209.24
Road Maintenance	2.23	2.23	2.12
Fire Protection	1.63	1.63	0.00
Hauling	84.21	56.84	66.00
Other (P/R appl.)	5.05	5.05	0.00
Profit & Risk	44.78	38.43	41.60
Slash Disposal	0.00	0.00	0.00
Scaling	2.00	2.00	2.00
Other	14.66	14.66	0.00
Total	359.98	311.29	320.96

Amortization	0.00	0.00	0.00
Pond Value	634.89	421.24	650.00
Stumpage	274.91	109.95	329.04
Amortized	0.00	0.00	0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Summary Roger Fox Sale 341-06-41

Amortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)
MBF	0.00	0.00	0.00
Value	0.00	0.00	0.00
Total	0.00	0.00	0.00

Unamortized

	Douglas - Fir	Western Hemlock / Fir	Alder (Red)
MBF	3,213.00	117.00	447.00
Value	274.91	109.95	329.04
Total	883,285.83	12,864.15	147,080.88

Gross Timber Sale Value

Recovery \$1,043,230.86

Prepared by: Dwayne Shotton

Date: 4/7/06

District: Tillamook

Phone: (503) 842-2545



PROJECT SUMMARY SHEET

Sale: Roger Fox

CONSTRUCTION

SUBTOTAL CONSTRUCTION \$0.00

IMPROVEMENT

Point	C to D	54+00	stations =	\$20,332.64
Point	G to H	7+20	stations =	\$1,929.87
SUBTOTAL IMPROVEMENT				<u>\$22,262.51</u>

RECONSTRUCTION

Point	A to B	130+85	stations =	\$121,176.94
Point	E to F	13+00	stations =	\$3,210.22
SUBTOTAL IMPROVEMENT				<u>\$124,387.16</u>

SPECIAL PROJECTS

Brushing				\$21,682.00
SUBTOTAL SPECIAL PROJECTS				<u>\$21,682.00</u>

MOVE IN

\$2,876.67

GRAND TOTAL \$171,208.34

SUMMARY OF CONSTRUCTION COST

Sale:	Roger Fox				Road:	A to B			
Construction -	0+00	stations			Reconstruct	130+85	stations		
	0.00	miles				2.48	miles		
CLEARING AND GRUBBING -									
Side cast			0.055	acres @	\$660.00	per acre =	\$36.30		
Widening			0.393	acres @	\$660.00	per acre =	\$259.38		
Scattering			3.000	acres @	\$980.00	per acre =	\$2,940.00		
					TOTAL CLEARING AND GRUBBING			\$3,235.68	
EXCAVATION -									
Drill & Shoot			148.00	cy. @	4.90	per c.y. =	\$725.20		
Road Earthwork			130.85	sta. @	\$90.00	per c.y. =	\$11,776.50		
Pullback			228	cy. @	\$1.40	per c.y. =	\$319.20		
Widening (General)			1995	cy. @	\$1.28	per c.y. =	\$2,553.60		
Widening Full Bench - 25+00 to 26+90			5329	cy. @	\$1.28	per c.y. =	\$6,821.12		
Widening Full Bench -63+75 to 69+00			2186	cy. @	\$1.28	per c.y. =	\$2,798.08		
Widening Full Bench -76+25 to 81+90			2348	cy. @	\$1.28	per c.y. =	\$3,005.44		
Widening Full Bench -104+00 to 105+30			113	cy. @	\$1.28	per c.y. =	\$144.64		
Widening Full Bench -108+00 to 110+80			461	cy. @	\$1.28	per c.y. =	\$590.08		
					TOTAL EXCAVATION			\$28,008.66	
ENDHAUL -									
Pullback	25+70	to	25+90	27	cy. @	\$2.30	per c.y. =	\$62.10	
Pullback	89+10	to	89+60	134	cy. @	\$2.01	per c.y. =	\$269.34	
Pullback	130+35	to	130+85	67	cy. @	\$2.13	per c.y. =	\$142.71	
Widening	19+90	to	20+50	54	cy. @	\$2.13	per c.y. =	\$115.02	
Widening	22+70	to	23+20	67	cy. @	\$1.90	per c.y. =	\$127.30	
Widening	48+90	to	53+90	1000	cy. @	\$1.90	per c.y. =	\$1,900.00	
Widening	55+75	to	56+80	140	cy. @	\$1.90	per c.y. =	\$266.00	
Widening	56+80	to	57+60	569	cy. @	\$1.90	per c.y. =	\$1,081.10	
Widening	57+90	to	59+75	165	cy. @	\$1.90	per c.y. =	\$313.50	
Widening Full Bench - 25+00 to 26+90				5329	cy. @	\$1.12	per c.y. =	\$5,968.48	
Widening Full Bench -63+75 to 69+00				2186	cy. @	\$1.06	per c.y. =	\$2,317.16	
Widening Full Bench -76+25 to 81+90				2348	cy. @	\$1.00	per c.y. =	\$2,348.00	
Widening Full Bench -104+00 to 105+30				113	cy. @	\$0.95	per c.y. =	\$107.35	
Widening Full Bench -108+00 to 110+80				461	cy. @	\$0.90	per c.y. =	\$414.90	
Spread & compact				12660	cy. @	\$0.25	per c.y. =	\$3,165.00	
						TOTAL ENDHAUL			\$18,597.96
CULVERTS - MATERIALS & INSTALLATION									
	<u>Culverts</u>								
	36	LF of 18"		\$612.00		334	LF of 24"	\$8,016.00	
	0	LF of 30"		\$0.00		36	LF of 36"	\$1,188.00	
	0	LF of 42"		\$0.00		0	LF of 48"	\$0.00	
	0	LF of 54"		\$0.00		0	LF of 60"	\$0.00	
	0	LF of 66"		\$0.00		0	LF of 72"	\$0.00	
				\$612.00				\$9,204.00	
	<u>Half Rounds</u>								
	0	LF of 21"		\$0.00		0	LF of 30"	\$0.00	
	0	LF of 36"		\$0.00		0	LF of 42"	\$0.00	
				\$0.00				\$0.00	
	<u>Culvert Stakes & Markers</u>								
	0	stakes		\$0.00					
	10	markers		\$80.00					
				\$80.00					
						TOTAL CULVERTS			\$9,896.00
ROCK									
0+00 to	130+85	6,304	cy. of	Jaw Run	@	\$7.93	per c.y. =	\$49,990.72	
Culvert Backfill		100	cy. of	Crushed	@	\$12.63	per c.y. =	\$1,263.00	
Energy Dissipator		50	cy. of	Riprap	@	\$7.68	per c.y. =	\$384.00	
						TOTAL ROCK			\$51,637.72
SPECIAL PROJECTS									
Construct waste areas -			15.00	hours @	\$130.00	per hour	\$1,950.00		
Fill roadway @ area of 30+30 89+00 101+60 102+00 103+60 -			16.00	hours @	\$130.00	per hour	\$2,080.00		
Grade and shape road -			130.85	stations @	\$17.50	per station	\$2,289.88		
Roll subgrade w/ vibratory roller prior to rocking -			130.85	stations @	\$13.20	per station	\$1,727.22		
Remove large stumps -			2.00	lump sum @	\$130.00		\$268.47		
Grass seed and fertilize -			3.45	acres @	\$220.00	per acre	\$765.35		
Mulching -			1.200	acres @	\$600.00	per acre	\$720.00		
					TOTAL SPECIAL PROJECTS			\$9,800.92	
GRAND TOTAL								\$121,176.94	

SUMMARY OF CONSTRUCTION COST

Sale:	<u>Roger Fox</u>					Road:	<u>C to D</u>		
Construction -	<u>0+00</u> stations <u>0.00</u> miles					Improvement -	<u>54+00</u> stations <u>1.02</u> miles		
CLEARING AND GRUBBING -									
Widening		0.459	acres @	\$660.00	per acre =		\$302.94		
Scattering		3.719	acres @	\$980.00	per acre =		\$3,644.62		
				TOTAL CLEARING AND GRUBBING			\$3,947.56		
EXCAVATION -									
Drill & Shoot		100	cy. @	4.90	per c.y. =		\$490.00		
Road Earthwork		54.00	sta. @	\$90.00	per sta. =		\$4,860.00		
Road Realignment /Curve Widening		18	hours @	\$140.00	per hour =		\$2,520.00		
Widening		380	cy. @	\$1.40	per c.y. =		\$532.00		
				TOTAL EXCAVATION			\$7,912.00		
ENDHAUL -									
Road Realignment /Curve Widening		20	hrs. @	\$60.00	per hr. =		\$1,200.00		
Widening	21+70	to	23+70	200	cy. @	\$2.08	per c.y. = \$416.00		
Widening	30+70	to	32+50	180	cy. @	\$2.01	per c.y. = \$361.80		
Spread & compact				2680	cy. @	\$0.25	per c.y. = \$670.00		
						TOTAL ENDHAUL			
							\$2,647.80		
CULVERTS - MATERIALS & INSTALLATION									
		<u>Culverts</u>							
		0	LF of 18"	\$0.00		0	LF of 24"	\$0.00	
		0	LF of 30"	\$0.00		0	LF of 36"	\$0.00	
		0	LF of 42"	\$0.00		0	LF of 48"	\$0.00	
		0	LF of 54"	\$0.00		0	LF of 60"	\$0.00	
		0	LF of 66"	\$0.00		0	LF of 72"	\$0.00	
				\$0.00				\$0.00	
		<u>Half Rounds</u>							
		0	LF of 21"	\$0.00		0	LF of 30"	\$0.00	
		0	LF of 36"	\$0.00		0	LF of 42"	\$0.00	
				\$0.00				\$0.00	
		<u>Culvert Stakes & Markers</u>							
		0	stakes	\$0.00					
		0	markers	\$0.00					
				\$0.00				\$0.00	
						TOTAL CULVERTS		\$0.00	
ROCK STATION 0+00 to 3+00									
0+00	to	3+00	136	cy. of	Jaw Run	@	\$13.03	per c.y. =	\$1,772.08
									\$1,772.08
									TOTAL ROCK
									\$1,772.08
SPECIAL PROJECTS									
Construct waste areas -		6.00	hours @	\$130.00	per hour =		\$780.00		
Construct ditchouts -		3.00	@	\$60.00	each =		\$180.00		
Grade and shape road -		54.00	stations @	\$17.50	per station =		\$945.00		
Roll subgrade w/ vibratory roller prior to rocking -		54.00	stations @	\$13.20	per station =		\$712.80		
Remove large stumps -		3	lump sum @	\$130.00			\$390.00		
Grass seed and fertilize -		1.37	acres @	\$220.00	per acre =		\$301.40		
Mulching -		1.240	acres @	\$600.00	per acre =		\$744.00		
						TOTAL SPECIAL PROJECTS			\$4,053.20
GRAND TOTAL								\$20,332.64	

SUMMARY OF CONSTRUCTION COST

Sale:	<u>Roger Fox</u>	Road:	<u>E to F</u>
Construction -	<u>0+00</u> stations <u>0.00</u> miles	Reconstruct	<u>13+00</u> stations <u>0.25</u> miles
CLEARING AND GRUBBING - Scattering	1.194 acres @	\$980.00 per acre =	<u>\$1,170.12</u> TOTAL CLEARING AND GRUBBING
EXCAVATION - Road Earthwork	13.00 sta. @	\$90.00 per sta. =	<u>\$1,170.00</u> TOTAL EXCAVATION
ENDHAUL -			<u>TOTAL ENDHAUL</u> \$0.00
CULVERTS - MATERIALS & INSTALLATION			
	<u>Culverts</u>		
	0 LF of 18" \$0.00	0 LF of 24" \$0.00	
	0 LF of 30" \$0.00	0 LF of 36" \$0.00	
	0 LF of 42" \$0.00	0 LF of 48" \$0.00	
	0 LF of 54" \$0.00	0 LF of 60" \$0.00	
	0 LF of 66" \$0.00	0 LF of 72" \$0.00	
	\$0.00		
	<u>Half Rounds</u>		
	0 LF of 21" \$0.00	0 LF of 30" \$0.00	
	0 LF of 36" \$0.00	0 LF of 42" \$0.00	
	\$0.00		
	<u>Culvert Stakes & Markers</u>		
	0 stakes \$0.00		
	0 markers \$0.00		
	\$0.00		
		TOTAL CULVERTS	\$0.00
SPECIAL PROJECTS			
Grade and shape road -	13.00 stations @	\$14.90 per station	\$193.70
Roll subgrade w/ vibratory roller prior to rocking -	13.00 stations @	\$13.20 per station	\$171.60
Remove large stumps -	2.00 lump sum @	\$130.00	\$260.00
Grass seed and fertilize -	0.30 acres @	\$220.00 per acre	\$66.00
Mulching -	0.298 acres @	\$600.00 per acre	\$178.80
		TOTAL SPECIAL PROJECTS	\$870.10
		GRAND TOTAL	\$3,210.22

SUMMARY OF CONSTRUCTION COST

Site: _____

Roger Fox _____

Road: **G to H** _____

Construction -

0+00 stations
0.00 miles

Improvement - 7+20 stations
0.14 miles

CLEARING AND GRUBBING -

Side cast	0.037	acres @	\$660.00	per acre =	\$24.42	
Scattering	0.661	acres @	\$980.00	per acre =	\$647.78	
				TOTAL CLEARING AND GRUBBING		\$672.20

EXCAVATION -

Road Earthwork	7.20	sta. @	\$90.00	per sta. =	\$648.00	
Pullback	107	cy. @	\$1.40	per c.y. =	\$149.80	
				TOTAL EXCAVATION		\$797.80

ENDHAUL -

Pullback	6+40	to	7+20	107	cy. @	\$0.80	per c.y. =	\$85.60	
Spread & compact				107	cy. @	\$0.25	per c.y. =	\$26.75	
							TOTAL ENDHAUL		\$112.35

CULVERTS - MATERIALS & INSTALLATION

Culverts

0	LF of 18"	\$0.00	0	LF of 24"	\$0.00
0	LF of 30"	\$0.00	0	LF of 36"	\$0.00
0	LF of 42"	\$0.00	0	LF of 48"	\$0.00
0	LF of 54"	\$0.00	0	LF of 60"	\$0.00
0	LF of 66"	\$0.00	0	LF of 72"	\$0.00
		<u>\$0.00</u>			<u>\$0.00</u>

Half Rounds

0	LF of 21"	\$0.00	0	LF of 30"	\$0.00
0	LF of 36"	\$0.00	0	LF of 42"	\$0.00
		<u>\$0.00</u>			<u>\$0.00</u>

Culvert Stakes & Markers

0	stakes	\$0.00
0	markers	\$0.00
		<u>\$0.00</u>

TOTAL CULVERTS \$0.00

SPECIAL PROJECTS

Grade and shape road -	7.20	stations @	\$14.90	per station	\$107.28	
Roll subgrade w/ vibratory roller prior to rocking -	7.20	stations @	\$13.20	per station	\$95.04	
Grass seed and fertilize -	0.21	acres @	\$220.00	per acre	\$46.20	
Mulching -	0.165	acres @	\$600.00	per acre	\$99.00	
				TOTAL SPECIAL PROJECTS		\$347.52

GRAND TOTAL \$1,929.87

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Crushing Pit	Location:	NW1/4 of Sec.6, T1S, R7W, W.M.
Sale:	Roger Fox	Road:	6590 c.y.
Swell:	1.40	Stockpile:	c.y.
Shrinkage	1.16	Total Truck Loads:	6590 c.y.
Drill Pct.:	20%	In Place Total:	4707 c.y.

Pit Development & Access Road				\$5,040.00
Drill & Shoot:	\$2.50 /cu.yd.	x	941 cu.yds.	= \$2,352.50
Rip Rock	\$1.90 /cu.yd.	x	3766 cu.yds.	= \$7,155.40
Push Rock:	\$0.00 /cu.yd.	x	6590 cu.yds.	= \$0.00
Load Crusher:	\$0.70 /cu.yd.	x	6590 cu.yds.	= \$4,613.00
Crush " Rock	\$1.85 /cu.yd.	x	6590 cu.yds.	= \$12,191.50
Load Dump Truck:	\$0.70 /cu.yd.	x	6590 cu.yds.	= \$4,613.00
Subtotal				\$30,925.40

Move In/Set-up Crusher	1	@	\$1,351.28	= \$1,351.28
Move In and set up Drill and Compressor	1	@	\$382.31	= \$382.31
Move in Roller and Compactor	1	@	\$267.31	= \$267.31
Move in Grader	1	@	\$133.62	= \$133.62
Move in D-8	1	@	\$383.41	= \$383.41
Move in Loader	1	@	\$278.63	= \$278.63
Move in Excavator	1	@	\$415.38	= \$415.38
Move in Trucks	4	@	\$80.39	= \$321.56
Subtotal				\$3,533.50

Base Cost=	\$5.23	Per Cu.Yd.	TOTAL PRODUCTION COSTS \$34,458.90
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Road Segment	Haul Cost /cu.yd.	Proc Cost /cu.yd.	Base Cst. /cu.yd.	Cost /cu.yd.	Number Cu. Yds	ROCK COST
A to B	1.80	0.90	5.23	7.93	6304	49,990.72
A to B Culvert Backfill	6.80	0.60	5.23	12.63	100	1,263.00
A to B Energy Dissipator	2.08	2.80	2.80	7.68	50	384.00
C to D : 0+00 TO 3+00	6.90	0.90	5.23	13.03	136	1,772.08
Total C.Y.					6590	Sub Total 53,409.80

TOTAL ROCKING COSTS	53,409.80
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Move-In Calculations

Sale: Roger Fox

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
32.0	Highway	37
3.0	Main Lines	11
3.0	Steep Grades	5

No.	EQUIPMENT DESCRIPTION	Move in Cost	Pilot Cars	Within Area Move (\$/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
1	Drill & Compressor	\$267.31		\$46.00	0.00	2.50	2.5	\$115.00	\$382.31
1	Brush Cutter	\$267.31		\$4.00	0.00	0.00	0	\$0.00	\$267.31
1	Graders	\$132.62		\$3.65	0.00	0.00	0	\$0.00	\$132.62
0	Loader (Small)	\$0.00	1	\$3.55	0.00	0.00	0	\$0.00	\$0.00
1	Loader (Med. & Large)	\$381.32	1	\$9.00	0.00	0.00	0	\$0.00	\$381.32
1	Rollers (smooth/grid) & Compactors	\$267.31		\$5.00	0.00	0.00	0	\$0.00	\$267.31
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)	\$435.28	1	\$44.80	0.00	2.50	2.5	\$112.00	\$547.28
0	Tired Backhoes/Skidlers	\$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)	\$423.20	2	\$15.10	0.00	2.50	2.5	\$37.75	\$460.95
4	Dump Truck (10 cy +)	\$321.55		\$2.85	0.00	2.50	2.5	\$28.50	\$350.05
0	Dump Truck (Off Hiway)	\$0.00	1	\$4.75	0.00	0.00	0	\$0.00	\$0.00
1	Water Truck (1500 Gal)	\$80.39		\$2.85	0.00	2.50	2.5	\$7.13	\$87.52
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							

TOTAL MOVE-IN COSTS:	\$2,876.67
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CRUISE REPORT

Roger Fox

"STEWARDSHIP IN FORESTRY"

1. **Type of Sale:** Regeneration Harvest (Modified Clearcut, Retention cut); Partial cut- Recovery
2. **Legal Description:** Portions of sections 5 & 6, T1S, R7W and Portions of Section 1, T1S, R 8W and Portions of Section 31, T1N, R7W, W.M Tillamook County, Oregon.
3. **Sale Acreage:** The sale boundaries were plotted on a digital ortho photograph and the acreage was calculated with GIS.

ACRES		
Area	Sale	Net
1A Retention cut	77	71
1B Modified clear cut	44	42
2 Partial cut	14	14
3 Retention cut	30	26
4 Retention cut	63	56
5 Modified clear cut	8	8
6 Modified clear cut	40	33
7 Modified clear cut	28	26
8 Modified clear cut	12	11
Total Net Partial Cut		14
Total Net Retention Cut		153
Total Net Modified Clear- cut		120
Total Net Acres	316	287

Sale Acres: *Area within the Timber Sale Boundary signs.*

Net Acres: *Used for calculating the advertised volume: Sale acres less roads and riparian buffers.*

3. **Cruising Procedures:**

- A. **Cruise Method:** A total of 139 variable radius full point measured plots were established on the sale areas. Conifer with less than 7" DBH and alder with less than 10" DBH were not recorded. Recorded information for each Douglas-fir included species, diameter at breast height, form factor at 16', height to a 6" outside bark top, grades, lengths and defect of each segment. Recorded information for hemlock included all of the above except that it was measured to a 7" outside bark top. Recorded information for red alder was identical to the above mentioned species except that it was measured to 9" outside bark top.

- B. **Plot size:** 40 BAF
 - C. **Point of observation:** 4.5 feet
 - D. **Grading System:** Columbia River Official Log Scaling and Grading Bureau rules.
 - E. **Diameter Standards:** 4.5 feet (DBH) to the nearest inch.
 - F. **Form Point:** 16 feet for conifers.
 - G. **Form Factor:** A form factor was recorded for all trees. The average form factor for Douglas-fir was 85, western hemlock, 87 and red alder 80.
5. **Computation Procedure:** The volumes and statistics for the timber cruise were computed using Atterbury Consultants, Inc. SUPER A.C.E. 98 program. The cruise for areas with similar types were combined in order to achieve acceptable statistics with the number of plots established. The coefficient of variations and standard errors are as follows: **Area 1A:** 57.1 and 7.6; **Area 2:** 30.8 and 10.9; **Area 3 and 4:** 51.1 and 9.2; **Area 5, 6, 7 and 8:** 47.4 and 7.3. Since the standard error in **Area 1B** was 13.4, the volume estimate for Area 1B was checked by combining the cruise for Areas 1A and 1B and subtracting Area 1A from it. We used the volume estimate with the 13.4 standard error since it was nearly the same as the other volume estimate we reviewed.
6. **Hidden Defect and Breakage:** A 5% reduction for hidden defect and breakage was applied to the volume for Douglas-fir and Western Hemlock and 10% was used for red alder.
7. **Timber Description:** The sale areas burned in the 1933 Tillamook Fire and the 1939 Saddle Mountain Fire. The sale area is predominantly composed of 43-50 year old Douglas-fir and a small component of western hemlock and cedar in Area 3 and 4. The sale areas were planted from 1957 to 1962. The west side of Rogers Road, within Area 1A and 2, and small portions of the remaining areas, were replanted in 1970. Portions of Area 4 were commercially thinned in 1999. The Douglas-fir has moderate to severe Swiss needle cast symptoms. The alder components of these stands were aerially sprayed to release planted conifer in the 1970's resulting in alder trees with short boles and many limbs.
8. **Cruiser Names/Dates:** Stumpf, Shotton, Anderson, and Lee.
June/July 2005.
- | | |
|---|--|
| 9. <u>Revenue Distribution:</u>
100 % FDF
Tax Code: 9-2
Deed Numbers: 159, 161, 162 and 169
99% Rehabilitation Obligated | 10. <u>Attachments:</u>
Volume Summary
Logging Plan
Stand Tables |
|---|--|



Roger Fox

Volume Summary

Area 1A/Area 1B						
113 acres						
SPECIES	Basal Area Per Acre	V-BAR	Vol/Acre MBF	Volume MBF	D & B	Net Vol MBF
Douglas-fir	85	98	8.3	938	5%	891
Hemlock			0.0	0	5%	0
Alder	36	75	2.7	305	10%	275
TOTAL			11.0	1243		1166

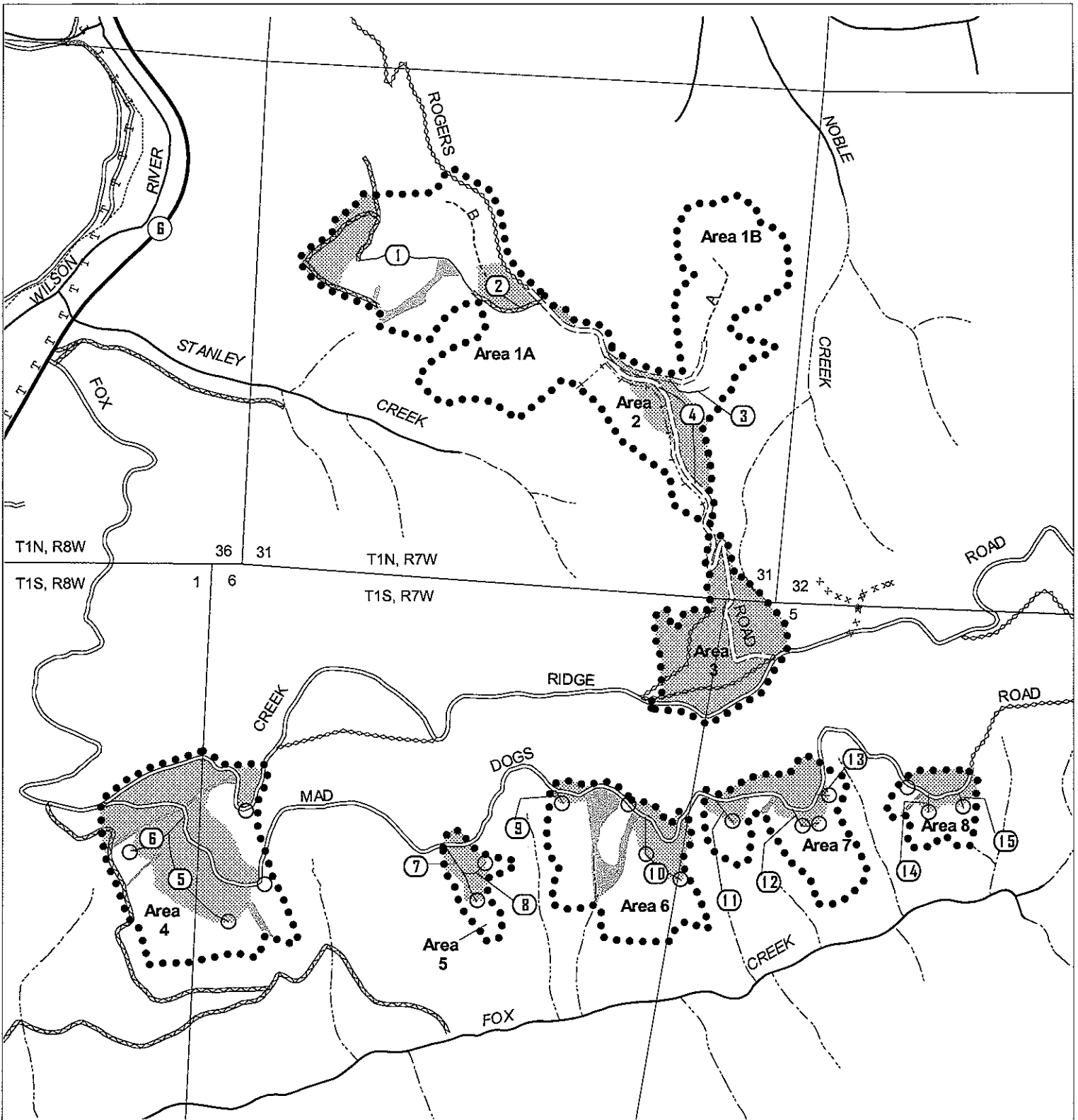
Area 2 - Partial cut						
14 acres						
SPECIES	Basal Area Per Acre	V-BAR	Vol/Acre MBF	Volume MBF	D & B	Net Vol MBF
Douglas-fir	89	62	5.5	77	5%	73
Hemlock			0.0	0	5%	0
Alder	9	71	0.6	8	10%	7
TOTAL			6.1	85		80

Area 3 and 4						
82 acres						
SPECIES	Basal Area Per Acre	V-BAR	Vol/Acre MBF	Volume MBF	D & B	Net Vol MBF
Douglas-fir	120	88	10.6	869	5%	826
Hemlock	13	112	1.5	123	5%	117
Alder	15	61	0.9	74	10%	67
TOTAL			13.0	1066		1010

Area 5, 6, 7 and 8						
78 acres						
SPECIES	Basal Area Per Acre	V-BAR	Vol/Acre MBF	Volume MBF	D & B	Net Vol MBF
Douglas-fir	202	95	19.2	1498	5%	1423
Hemlock			0.0	0	5%	0
Alder	21	67	1.4	109	10%	98
TOTAL			20.6	1607		1521

Total Net Acres 287 Acres

TOTAL SALE VOLUME			
SPECIES	Gross Vol (MBF)		Net Vol (MBF)
Douglas-fir	3382		3213
Hemlock	123		117
Alder	496		447
TOTAL	4001		3777



- Landing
- Ⓧ Domestic water supply
- Ⓜ Helicopter landing zone
- Ⓣ Truck turn-around
- 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 highway
- County road
- ②- Non-project road
- . A . - Swing road
- Legacy road
- x x x Blocked
- ⋯ OHV trail
- - - Non-motorized trail
- T T Transmission line

LOGGING PLAN
 Timber Sale Contract No. 341-06-41
 Roger Fox
 Portions of Section 31, T1N, R7W,
 Section 1, T1S, R8W, and
 Sections 5 and 6, T1S, R7W, W. M.
 Tillamook County, Oregon



Tillamook District GIS
 02-03-2006

This product is for informational use and
 may not have been prepared for, or suitable
 for legal, engineering, or surveying purposes.



Area	Type of Operation	Acres Gross	Acres Net
1A	Retention cut	77	71
1B	Modified clearcut	44	42
2	Partial cut	14	14
3	Retention cut	30	26
4	Retention cut	63	56
5	Modified clearcut	8	8
6	Modified clearcut	40	33
7	Modified clearcut	28	26
8	Modified clearcut	12	11
Total		316	287

TC		PSTNDSUM										Stand Table Summary			Page 1	
												Date: 2/6/2006				
T01N R07W S05 Ty0001 44.00		Project ROGERFOX										Time: 3:29:19PM				
Area 1A, 1B		Acres 44.00										Grown Year:				
S Spc	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF	7	1	75	21	2.350	.70	2.35	3.0	20.0	.20	7	47	9	3	2	
DF	8	7	82	31	14.307	4.91	14.31	3.7	21.3	1.52	53	305	67	24	13	
DF	9	5	85	62	8.245	3.51	8.24	7.7	36.0	1.81	64	297	80	28	13	
DF	10	6	87	68	7.912	4.21	9.20	9.6	37.1	2.51	88	342	110	39	15	
DF	11	9	86	71	9.740	6.32	11.87	12.2	46.3	4.12	145	549	181	64	24	
DF	12	9	85	63	8.246	6.32	10.93	12.6	43.4	3.92	138	474	172	61	21	
DF	13	10	84	74	7.590	7.02	10.64	17.0	57.1	5.17	181	608	227	80	27	
DF	14	11	84	73	7.273	7.72	12.53	16.2	55.3	5.78	203	693	254	89	30	
DF	15	17	85	81	9.881	11.93	19.76	17.1	64.7	9.61	337	1,278	423	148	56	
DF	16	10	85	82	5.078	7.02	10.16	20.1	73.4	5.82	204	745	256	90	33	
DF	17	13	84	92	5.825	9.12	11.65	25.0	92.6	8.31	292	1,078	366	128	47	
DF	18	7	85	89	2.780	4.91	5.96	26.3	94.7	4.47	157	564	197	69	25	
DF	19	3	85	88	1.069	2.11	2.14	31.4	110.0	1.92	67	235	84	30	10	
DF	20	5	85	91	1.608	3.51	3.54	32.2	112.7	3.26	114	399	143	50	18	
DF	21	3	85	107	.875	2.11	1.75	45.7	160.0	2.28	80	280	100	35	12	
DF	22	2	85	100	.532	1.40	1.06	48.0	160.0	1.45	51	170	64	22	7	
DF	24	2	85	117	.447	1.40	1.34	42.8	178.3	1.64	57	239	72	25	11	
DF	25	1	84	74	.206	.70	.41	48.9	140.0	.58	20	58	25	9	3	
DF	Totals	121	84	67	93.963	84.91	137.82	16.4	60.7	64.36	2,258	8,361	2,832	994	368	
DL	18	8	84	84	3.191	5.61	6.38	27.2	95.0	4.77	173	607	210	76	27	
DL	19	7	85	83	2.534	4.91	5.07	29.8	97.7	4.16	151	495	183	67	22	
DL	20	2	85	84	.647	1.40	1.29	34.1	109.9	1.21	44	142	53	19	6	
DL	21	2	85	88	.595	1.40	1.19	38.4	125.2	1.26	46	149	55	20	7	
DL	22	2	83	89	.532	1.40	1.06	43.2	127.5	1.26	46	136	56	20	6	
DL	23	1	85	121	.248	.70	.25	77.3	360.0	.53	19	89	23	8	4	
DL	24	1	80	81	.223	.70	.45	47.6	135.0	.59	21	60	26	9	3	
DL	25	3	84	84	.624	2.11	1.26	51.4	163.5	1.78	65	205	78	28	9	
DL	26	1	83	95	.195	.70	.39	63.4	220.0	.68	25	86	30	11	4	
DL	27	6	85	114	1.059	4.21	3.18	54.1	225.0	4.72	172	715	208	76	31	
DL	28	2	85	104	.328	1.40	.82	65.7	264.0	1.48	54	217	65	24	10	
DL	29	1	85	63	.153	.70	.31	56.7	195.0	.48	17	60	21	8	3	
DL	30	3	85	102	.429	2.11	1.00	79.5	325.7	2.19	80	326	96	35	14	
DL	32	1	84	116	.126	.70	.38	77.8	326.7	.81	29	123	35	13	5	
DL	34	1	85	124	.111	.70	.33	95.3	443.3	.87	32	148	38	14	7	
DL	35	1	85	121	.105	.70	.32	97.3	443.3	.84	31	140	37	13	6	
DL	36	1	75	98	.099	.70	.30	68.9	326.7	.56	21	97	25	9	4	
DL	39	1	85	126	.085	.70	.25	124.4	583.3	.87	32	148	38	14	7	
DL	Totals	44	84	90	11.282	30.88	24.22	43.6	162.8	29.05	1,056	3,942	1,278	465	173	
RA	10	1	80	26	1.287	.70	1.29	5.4	20.0	.19	7	26	8	3	1	
RA	11	8	80	74	8.671	5.61	8.67	12.2	44.6	2.90	105	387	128	46	17	
RA	12	6	80	58	5.361	4.21	6.25	13.4	48.6	2.30	84	304	101	37	13	
RA	13	7	80	78	5.329	4.91	7.61	16.8	59.0	3.52	128	449	155	56	20	
RA	14	10	79	93	6.643	7.02	9.27	22.7	78.6	5.79	211	729	255	93	32	
RA	15	4	82	38	2.265	2.81	2.84	15.2	48.0	1.19	43	136	52	19	6	
RA	16	7	78	63	3.512	4.91	5.01	22.0	63.0	3.03	111	316	133	49	14	
RA	17	4	83	54	1.781	2.81	2.67	24.0	78.3	1.76	64	209	77	28	9	
RA	18	2	73	79	.781	1.40	1.18	35.7	90.0	1.16	42	106	51	19	5	
RA	19	1	80	47	.356	.70	.36	39.4	70.0	.39	14	25	17	6	1	
RA	20	1	81	22	.322	.70	.32	24.0	40.0	.21	8	13	9	3	1	
RA	Totals	51	80	69	36.308	35.79	45.47	18.0	59.4	22.43	816	2,699	987	359	119	
SS	21	1	84	19	.292	.70	.29	23.0	20.0	.17	7	6	8	3	0	

TC		PSTNDSUM		Stand Table Summary						Page		2				
										Date:		2/6/2006				
T01N R07W S05 Ty0001		44.00		Project						ROGERFOX		Time:		3:29:19PM		
AREA 1A, 1B				Acres						44.00		Grown Year:				
S Spec	T	DBH	Sample Trees	FF 16'	Av Ht	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
SS	Totals	1	84	19	.292	.70	.29	23.0	20.0	.17	7	6	8	3	0	
Totals		217	83	69	141.846	152.28	207.80	19.9	72.2	116.02	4,138	15,008	5,105	1,821	660	

A1a - DF ≥ 17" reserved

A1B - DF ≥ 25" reserved

TC		Stand Table Summary										Page		1	
PSTNDSUM												Date:		2/6/2006	
TIN R7W S5 TyDF		44.00		Project						ROGERFOX		Time:		3:34:15PM	
Area Z		Acres						44.00		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
DL	14	6	84	61	24.945	26.67	29.10	19.9	55.7	15.90	578	1,621	700	254	71
DL	15	5	84	74	18.108	22.22	32.59	18.0	64.4	16.14	588	2,101	710	259	92
DL	16	2	84	83	6.366	8.89	12.73	19.9	70.0	6.98	254	891	307	112	39
DL	17	3	84	68	8.459	13.33	16.92	19.4	70.0	9.02	328	1,184	397	144	52
DL	18	2	84	63	5.030	8.89	7.55	28.4	80.0	5.89	214	604	259	94	27
DL	19	2	85	91	4.515	8.89	9.03	32.0	112.5	7.94	289	1,016	349	127	45
DL	Totals	20	84	69	67.423	88.89	107.92	20.9	68.7	61.87	2,251	7,417	2,722	991	326
DF	8	1	84	20	12.732	4.44	12.73	3.2	20.0	1.17	41	255	52	18	11
DF	9	4	85	55	40.241	17.78	40.24	7.2	30.0	8.21	288	1,207	361	127	53
DF	10	4	85	56	32.595	17.78	32.59	9.7	35.0	9.00	316	1,141	396	139	50
DF	11	4	85	55	26.938	17.78	26.94	12.2	37.5	9.36	328	1,010	412	144	44
DF	12	6	84	63	33.953	26.67	39.61	14.1	44.3	15.91	557	1,754	700	245	77
DF	13	1	85	55	4.822	4.44	4.82	18.4	40.0	2.53	89	193	111	39	8
DF	Totals	20	85	54	151.281	88.89	156.94	10.3	35.4	46.17	1,619	5,560	2,032	713	245
RA	14	1	80	18	4.158	4.44	4.16	11.3	30.0	1.30	47	125	57	21	5
RA	16	1	81	93	3.183	4.44	6.37	21.4	80.0	3.75	137	509	165	60	22
RA	Totals	2	80	51	7.341	8.89	10.52	17.5	60.2	5.05	184	634	222	81	28
Totals		42	84	59	226.045	186.67	275.39	14.7	49.4	113.10	4,054	13,611	4,976	1,784	599

DF residual 80-100 ft²

T01N R07W S06 Ty0003 28.00
 Area 3.4

Project **ROGERFOX**
 Acres **28.00**

Time: **3:32:22PM**
 Grown Year:

S Spec T	DBH	Sample 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
DF	8	2	86	44	7.393	2.58	7.39	4.8	25.0	1.02	36	185	29	10	5
DF	9	3	84	54	8.762	3.87	8.76	6.9	36.7	1.72	60	321	48	17	9
DF	10	12	85	63	28.389	15.48	35.49	8.3	36.7	8.42	295	1,301	236	83	36
DF	11	13	85	63	25.417	16.77	29.33	11.4	42.7	9.53	334	1,251	267	94	35
DF	12	7	85	68	11.500	9.03	16.43	12.7	44.0	5.97	209	723	167	59	20
DF	13	12	85	74	16.798	15.48	26.60	14.2	51.6	10.73	377	1,372	300	105	38
DF	14	12	85	76	14.484	15.48	21.73	18.4	61.1	11.42	400	1,328	320	112	37
DF	15	9	85	79	9.463	11.61	15.77	19.9	70.7	8.95	314	1,115	251	88	31
DF	16	12	85	81	11.090	15.48	19.41	23.4	80.0	12.93	454	1,553	362	127	43
DF	17	3	85	80	2.456	3.87	4.91	22.7	81.7	3.18	111	401	89	31	11
DF	18	4	84	86	2.921	5.16	5.11	30.1	108.6	4.38	154	555	123	43	16
DF	19	2	84	64	1.311	2.58	1.97	31.1	83.3	1.75	61	164	49	17	5
DF	20	2	84	79	1.183	2.58	2.37	32.1	107.5	2.17	76	254	61	21	7
DF	Totals	93	85	68	141.167	120.00	195.25	14.8	53.9	82.16	2,882	10,522	2,300	807	295
DL	21	7	85	77	3.755	9.03	6.97	36.2	116.9	6.94	252	815	194	71	23
DL	23	6	84	88	2.683	7.74	4.92	49.1	167.3	6.65	242	823	186	68	23
DL	24	1	85	81	.411	1.29	.82	48.0	160.0	1.08	39	131	30	11	4
DL	26	6	85	89	2.100	7.74	4.20	62.6	224.2	7.23	263	941	203	74	26
DL	27	1	84	87	.325	1.29	.65	64.2	220.0	1.15	42	143	32	12	4
DL	31	2	85	102	.492	2.58	1.23	78.7	312.0	2.66	97	384	75	27	11
DL	35	2	85	84	.386	2.58	.77	108.9	387.5	2.31	84	299	65	24	8
DL	37	1	84	89	.173	1.29	.35	129.8	490.0	1.23	45	169	35	13	5
DL	39	1	83	84	.156	1.29	.31	138.8	490.0	1.19	43	152	33	12	4
DL	Totals	27	85	84	10.480	34.84	20.22	54.7	190.8	30.45	1,107	3,859	853	310	108
WL	23	2	82	51	.894	2.58	1.34	42.7	120.0	1.84	57	161	51	16	5
WL	24	3	87	78	1.232	3.87	2.46	50.9	183.3	4.02	126	452	112	35	13
WL	25	1	87	86	.379	1.29	.76	61.1	220.0	1.48	46	167	41	13	5
WL	27	1	88	95	.325	1.29	.65	77.1	295.0	1.60	50	191	45	14	5
WL	29	1	88	97	.281	1.29	.56	87.9	320.0	1.58	49	180	44	14	5
WL	30	1	87	78	.263	1.29	.53	80.8	315.0	1.36	42	166	38	12	5
WL	32	1	88	79	.231	1.29	.46	91.6	365.0	1.35	42	169	38	12	5
WL	33	1	87	101	.217	1.29	.65	79.2	350.0	1.65	52	228	46	14	6
WL	37	1	87	89	.173	1.29	.35	138.8	500.0	1.54	48	173	43	13	5
WL	42	1	86	88	.134	1.29	.27	177.1	705.0	1.52	48	189	43	13	5
WL	Totals	13	86	78	4.129	16.77	8.03	69.8	258.5	17.94	560	2,075	502	157	58
WH	14	2	87	76	2.414	2.58	4.83	15.0	55.0	2.32	72	266	65	20	7
WH	17	2	87	77	1.637	2.58	3.27	22.7	85.0	2.38	74	278	67	21	8
WH	19	1	87	75	.655	1.29	1.31	28.5	100.0	1.19	37	131	33	10	4
WH	20	2	87	76	1.183	2.58	2.37	33.6	110.0	2.54	79	260	71	22	7
WH	21	1	88	85	.536	1.29	1.07	41.1	135.0	1.41	44	145	40	12	4
WH	22	2	88	94	.978	2.58	1.96	50.3	187.5	3.15	98	367	88	28	10
WH	Totals	10	87	79	7.404	12.90	14.81	27.4	97.7	12.99	406	1,447	364	114	41
RA	11	1	79	86	1.955	1.29	1.96	14.1	50.0	.76	28	98	21	8	3
RA	12	2	79	64	3.286	2.58	3.29	17.9	65.0	1.61	59	214	45	16	6
RA	13	1	79	66	1.400	1.29	1.40	20.3	70.0	.78	28	98	22	8	3
RA	14	2	79	83	2.414	2.58	3.62	17.8	70.0	1.78	65	253	50	18	7
RA	15	2	79	53	2.103	2.58	2.10	24.0	60.0	1.39	51	126	39	14	4
RA	16	2	79	40	1.848	2.58	1.85	23.1	55.0	1.18	43	102	33	12	3
RA	18	2	79	31	1.460	2.58	1.46	24.9	40.0	1.00	36	58	28	10	2

TC PSTNDSUM		Stand Table Summary						Page 2							
								Date: 2/6/2006							
T01N R07W S06 Ty0003 28.00		Project ROGERFOX				Time: 3:32:22PM									
Area 3,4		Acres 28.00				Grown Year:									
S Spec T	Sample DBH	FF Trees	Tot Av 16' Ht		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
RA	Totals	12	79	62	14.466	15.48	15.67	19.7	60.6	8.50	309	949	238	87	27
Totals		155	85	69	177.646	200.00	253.99	20.7	74.2	152.03	5,265	18,852	4,257	1,474	528

DF and WH \geq 20" reserved

TC		PSTNDSUM		Stand Table Summary								Page		1	
												Date:		2/6/2006	
		TOIN R07W S06 Ty0006		33.00		Project				ROGERFOX		Time:		3:33:06PM	
		Area 5,6,7,8				Acres				33.00		Grown Year:			
S Spc T	DBH	Sample 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
DF	7	1	80	37	3.564	.95	3.56	2.7	20.0	.27	9	71	9	3	2
DF	8	13	84	54	35.469	12.38	35.47	6.0	28.5	6.03	211	1,009	199	70	33
DF	9	13	85	53	28.025	12.38	28.02	7.1	29.2	5.70	200	819	188	66	27
DF	10	25	85	64	43.654	23.81	52.38	8.8	35.3	13.18	462	1,851	435	152	61
DF	11	31	85	73	44.736	29.52	66.38	10.3	41.7	19.41	682	2,771	640	225	91
DF	12	25	85	77	30.315	23.81	48.50	11.9	45.7	16.38	575	2,219	541	190	73
DF	13	27	86	80	27.897	25.71	53.73	12.9	49.0	19.78	695	2,635	653	229	87
DF	14	20	85	84	17.818	19.05	33.85	16.2	60.3	15.67	550	2,040	517	181	67
DF	15	25	85	84	19.402	23.81	37.25	18.8	69.0	20.00	702	2,569	660	232	85
DF	16	10	85	81	6.821	9.52	13.64	20.0	75.0	7.79	273	1,023	257	90	34
DF	17	4	85	76	2.417	3.81	4.23	25.0	81.4	3.01	106	344	99	35	11
DF	18	6	85	87	3.234	5.71	6.47	28.4	100.8	5.24	184	652	173	61	22
DF	19	2	84	69	.967	1.90	1.93	24.8	80.0	1.37	48	155	45	16	5
DF	20	4	85	88	1.746	3.81	3.49	35.1	115.0	3.49	122	402	115	40	13
DF	21	2	84	98	.792	1.90	1.58	43.5	140.0	1.97	69	222	65	23	7
DF	22	1	85	98	.361	.95	.72	49.1	165.0	1.01	35	119	33	12	4
DF	24	1	85	90	.303	.95	.61	53.4	200.0	.92	32	121	30	11	4
DF	25	1	85	93	.279	.95	.56	60.0	200.0	.96	34	112	32	11	4
DF	26	1	85	106	.258	.95	.52	71.9	275.0	1.06	37	142	35	12	5
DF	Totals	212	85	70	268.058	201.90	392.92	12.8	49.1	143.23	5,026	19,276	4,727	1,659	636
RA	10	1	88	92	1.746	.95	1.75	13.0	50.0	.62	23	87	21	7	3
RA	11	4	80	60	5.772	3.81	5.77	10.7	42.5	1.70	62	245	56	20	8
RA	12	1	87	106	1.213	.95	2.43	12.5	55.0	.83	30	133	28	10	4
RA	14	4	84	54	3.564	3.81	4.45	16.8	58.0	2.05	75	258	68	25	9
RA	15	5	81	57	3.880	4.76	3.88	26.9	80.0	2.87	104	310	95	34	10
RA	16	2	83	59	1.364	1.90	2.05	21.3	73.3	1.20	44	150	40	14	5
RA	17	2	80	70	1.208	1.90	1.81	27.1	83.3	1.35	49	151	45	16	5
RA	19	2	79	39	.967	1.90	.97	33.8	50.0	.89	33	48	30	11	2
RA	22	1	80	36	.361	.95	.36	43.3	50.0	.43	16	18	14	5	1
RA	Totals	22	82	63	20.076	20.95	23.47	18.5	59.8	11.95	435	1,402	394	144	46
DL	24	1	85	99	.303	.95	.61	57.9	210.0	.97	35	127	32	12	4
DL	25	1	85	78	.279	.95	.56	49.9	160.0	.77	28	89	25	9	3
DL	Totals	2	85	89	.583	1.90	1.17	54.1	186.0	1.73	63	217	57	21	7
BM	15	1	79	108	.776	.95	1.55	20.0	80.0	.83	31	124	27	10	4
BM	Totals	1	79	108	.776	.95	1.55	20.0	80.0	.83	31	124	27	10	4
Totals		237	85	69	289.493	225.71	419.10	13.3	50.2	157.75	5,555	21,020	5,206	1,833	694

DF ≥ 20" reserved