

District: Forest Grove

December 07, 2011 Date:

cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$795,459.69	\$8,962.20	\$804,421.89
		Project Work:	\$(42,000.00)
		Advertised Value:	\$762,421.89

12/7/11



"STEWARDSHIP IN FORESTRY"

District: Forest Grove

Date:

December 07, 2011

timber description

Location: Portions of Section 30, T3N, R6W, W.M., Tillamook County, Oregon.

Stand Stocking:

20%

SpecieName	AvgDBH	Amortization (%)	Recovery (%)	
Douglas - Fir	18	0	98	
Alder (Red)	15	0	98	

Volume by Grade	28	3S	4 S	Camprur	Total
Douglas - Fir	1,572	785	154	0	2,511
Alder (Red)	0	0	0	26	26
Total	1,572	785	154	26	2,537

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"STEWARDSHIP IN FORESTRY"

District: Forest Grove

Date: December 07, 2011

comments: Pond Values Used: 3rd Quarter Calendar Year 2011.

Western hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost: \$255.52/MBF = \$455.00/MBF - \$199.48/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost: \$700.52/MBF = \$900.00/MBF - \$199.48/MBF

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$740 daily truck cost.

Other Costs (with Profit & Risk to be added):
Brand and Paint: 2,537 MBF @\$1/MBF = \$2,537
Total Other Costs (with Profit & Risk to be added) = \$2,537

Other Costs (No Profit & Risk added):
Firewood Sorting: 10 hrs @ \$150/hr = \$1,500
Covering Slash piles: \$200
Equipment Cleaning: 3 machines @ \$1,000 per machine = \$3,000
TOTAL Other Costs (No Profit & Risk added) = \$4,700

ROAD MAINTENANCE Move-in: \$2,000

General Road Maintenance: 9 miles x \$1,000/mile = \$9,000

TOTAL: \$11,000 / 2,537 MBF = \$4.33/MBF

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"STEWARDSHIP IN FORESTRY"

Forest Grove District:

Date:

December 07, 2011

logging conditions

combination#: 1

Douglas - Fir

90.00%

Alder (Red)

90.00%

yarding distance: Medium (800 ft)

downhill yarding:

No

logging system: tree size:

Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day:

6.0

bd. ft / load:

4,700

cost / mbf:

\$122.70

machines:

Log Loader (A)

Tower Yarder (Medium)

combination#: 2

Douglas - Fir

10.00%

Alder (Red)

10.00%

yarding distance: Short (400 ft)

downhill yarding:

Process: Manual Falling/Delimbing

logging system:

Shovel

tree size:

Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF bd. ft / load:

loads / day:

6.0

4,700

cost / mbf:

\$88.82

machines:

Shovel Logger

12/7/11



"STEWARDSHIP IN FORESTRY"

District: F

Forest Grove

Date:

December 07, 2011

logging costs

Operating Seasons:

1.00

Profit Risk:

10.00%

Project Costs:

\$42,000.00

Other Costs (P/R):

\$2,537.00

Slash Disposal:

\$0.00

Other Costs:

\$4,700.00

Miles of Road

Road Maintenance:

\$4.33

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	4.7
Alder (Red)	\$0.00	2.0	4.0

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"STEWARDSHIP IN FORESTRY"

District: Forest Grove

Timber Sale Appraisal Number Nine Sale 341-12-13

Date:

December 07, 2011

logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas -	Fir	;	•						
\$119.31	\$4.42	\$1.73	\$48.66	\$1.00	\$17.51	\$0.00	\$5.00	\$1.85	\$199.48
Alder (Red	i)				,				
\$119.31	\$4.42	\$1.73	\$85.77	\$1.00	\$21.22	\$0.00	\$5.00	\$1.85	\$240.30

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$516.27	\$316.79	\$0.00
Alder (Red)	\$0.00	\$585.00	\$344.70	\$0.00

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"STEWARDSHIP IN FORESTRY"

District:

Forest Grove

Date:

December 07, 2011

summary

Antolizec			
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	2 511	\$316.79	\$795,459.69
Alder (Red)	26	\$344.70	\$8,962.20

Gross Timber Sale Value

Recovery:

\$804,421.89

Prepared by: Peter Stone

Phone: 503-357-2191

TIMBER SALE SUMMARY

Number Nine Contract No. 341-12-13

- 1. <u>Type of Sale</u>: The Timber Sale is an 82 acre Modified Clearcut (MC). The timber will be sold on a recovery basis at a sealed bid auction.
- **2. Revenue Distribution:** 100% BOF; Tillamook County Tax Code 56-1.
- **3.** <u>Sale Acreage</u>: Acres are net of stream buffers and existing road prisms. Acreage was determined using ESRI ArcMap GIS software.
- **4.** <u>Cruise Data</u>: The Timber Sale was cruised with a combination of Stand Level Inventory plots and ODF Cruiser plots. For more information see Cruise Report.
- **5.** <u>Timber Description</u>: Timber Sale Area is medium to well stocked, 60 year old Douglas-fir stand with minor amounts of western hemlock, noble fir, and hardwoods. The average Douglas-fir DBH is approximately 18 inches. The estimated average net Douglas-fir volume is 31.2 MBF per acre.
- **6.** Topography and Logging Method: Slopes within the sale are predominately east facing aspects ranging from 5% to 80%. The sale area is 90% cable-based yarding and 10% ground-based yarding.
- 7. Access: From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 20 miles. Between the 31 and the 32 mile markers, turn south onto the Salmonberry Road and continue for approximately 8.8 miles to the junction of Salmonberry Road and Beaver Slide road. This is the northwest corner of the Timber Sale Area.

8. Projects:

Project No. 1 - construct and improve 2.23 miles of road - \$12,784.49

Project No. 2 - surface 2.23 miles of road - \$22,441.35

Project No. 3 - grass seed and fertilize - \$125.25

Equipment Move-in and Cleaning - \$6,605.48

Total rounded credit for project work is \$42,000.00

9. Other Costs:

Other Costs (with Profit & Risk to be added): Brand and Paint: 2,537 MBF @\$1/MBF = \$2,537

Total Other Costs (with Profit & Risk to be added) = \$2,537

Other Costs (No Profit & Risk added):

Firewood Sorting: 10 hrs @ \$150/hr = \$1,500

Covering Slash piles: \$200

Equipment Cleaning: 3 machines @ \$1,000 per machine = \$3,000

TOTAL Other Costs (No Profit & Risk added) = \$4,700

ROAD MAINTENANCE

Move-in: \$2,000

General Road Maintenance: 9 miles x \$1,000/mile = \$9,000

TOTAL: \$11,000 / 2,537 MBF = \$4.33/MBF

PROJECT COST SUMMARY SHEET

Timber Sale: Number Nine
Sale Number: 341-12-13

PROJECT NO.	1: ROAD	CONSTRUCTION &	IMPROVEMENT
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CONSTRUCTION

 Road Segment
 Length
 Cost

 A to B
 8+60
 \$2,214.74

 C to D
 3+80
 \$1,153.03

 12+40
 stations

 0.23 miles

SUBTOTAL CONSTRUCTION \$3,367.77

IMPROVEMENTS

Road Segment Length Cost

E to F 105+60 \$9,416.72

105+60 stations
2.00 miles

<u>SUBTOTAL IMPROVEMENTS</u> \$9,416.72 <u>TOTAL PROJECT NO. 1 COST = \$12,784.49</u>

PROJECT NO. 2: SURFACING

I MOULOT NO. 2.	COIN ACINO		
Road Segment	Amount	Туре	Cost
A to B	660 cy	6"-0	\$5,695.80
C to D	387 cy	6"-0	\$3,254.67
E to F	2,256 cy	1½"-0	\$13,490.88
Tota	1,047 cy	6"-0	
	2,256 cy	1½"-0	

TOTAL PROJECT NO. 2 COST = \$22,441.35

PROJECT NO. 3: GRASS SEED & FERTILIZE

Grass seed and fertilize areas of disturbed \$125.25

 soil.

 TOTAL PROJECT NO. 3 COST = \$125.25

 MOVE IN & EQUIPMENT CLEANING
 \$6,605.48

TOTAL ALL PROJECTS
TOTAL CREDITS

\$41,956.57 \$42,000.00

SUMMARY OF CONSTRUCTION COST

			POIMIN	IAKY	OF CONS	SIRUCII	ON COST			
Timber Sale:		Number N	ine			Timbei	Sale No. :		341-1	2-13
Road Segment:	•	A to B				Co	nstruction:	8+60	stations	
·								0.16	_ miles	
PROJECT NO. 1										
EXCAVATION		**								
Clearing and Grubbing (Sc	atter)			0.79	acres @	\$980.00	per acre =		\$773.92	
Balanced Road Construction				8.60	sta @		per sta =		\$774.00	
Construct Turnaround (1)				1	ea @		per ea =		\$75.00	
Construct Turnout (1)				1	ea@		per ea =		\$60.00	
Landing				1	ea @	\$285.00	per ea =		\$285.00	
Grade, Ditch, and Roll				8.60	sta @	\$28.70	per sta =		\$246.82	
					DE	O IECT	NO. 1 T	OTAL	COST =	\$2,214.74
PROJECT NO. 2:										<u></u>
SURFACING	10	" deep =	53 cy/		_					
A to B	456	cy of	6" - 0		@		per cy =		\$3,935.28	
Turnarounds (1)	16	cy of	6" - 0		@		per cy =		\$138.08	
Turnouts (1) Junction	18 20	cy of	6" - 0 6" - 0		@		per cy =		\$155.34 \$4.73.60	
Junction Landing (1)	20 150	cy of cy of	6" - 0		@ @		per cy = per cy =		\$172.60 \$1,294.50	
Total =	660	cy of	6" - 0		w	φο.03	per cy –		φ1,294.5U	
i Otai –	900	Cy Oi	0 - 0				_	_		
					PF	ROJECT	NO. 2 TO	OTAL	COST = _	\$5,695.80
PROJECT NO. 3:		·								
Grass seed and fertilize are		sturbed soil.		0.39	acres @	\$220.00	per acre =		\$86.87	
					PF	ROJECT	T NO. 3 TO	OTAL	COST =	\$86.87
					PF	ROJECT			COST = _	\$86.

TOTAL COST = \$7,997.41

SUMMARY OF CONSTRUCTION COST

			OCIVITA	ואואו	Or CON	SINOCII	ON COST			
Timber Sale:	i	Number N	ine			Timbe	r Sale No. :		341-1	12-13
Road Segment:		C to D				Co	onstruction:	3+80	stations	
		,					,	0.07	_ _miles	
PROJECT NO. 1			•							
EXCAVATION										
Clearing and Grubbing (Sca	itter)			0.35	acres @	\$980.00	per acre =		\$341.97	
Balanced Road Constructio	n			3.80	sta @	\$90.00	per sta =		\$342.00	
Construct Turnaround (1)				1	ea @	\$75.00	per ea =		\$75.00	
Landing				1	ea @	\$285.00	per ea =		\$285.00	
Grade, Ditch, and Roll				3.80	sta @	\$28.70	per sta =		\$109.06	
					Р	ROJEC1	NO. 1 T	OTAL	COST =	\$1,153.03
										Marketon and province province of the second control of the second
PROJECT NO. 2:										
SURFACING	10	" deep ≕	53 cy/s	sta						
C to D	201	cy of	6" - 0		@	\$8.41	per cy =		\$1,690.41	
Turnarounds (1)	16	cy of	6" - 0	(@	\$8.41	per cy =		\$134.56	
Junction	20	cy of	6" - 0	(@	\$8.41	per cy =		\$168.20	
Landing (1)	150	cy of	6" - 0	(@	\$8.41	per cy =		\$1,261.50	
Total =	387	cy of	6" - 0							
					Р	ROJECT	Γ NO. 2 T	OTAL	COST =	\$3,254.67
PROJECT NO. 3:										
Grass seed and fertilize are	as of dis	sturbed soil.		0.17	acres @	\$220.00	per acre =		\$38.38	
					P	ROJECT	T NO. 3 T	OTAL	COST =	\$38.38
					Р	ROJECT			COST =	\$3 \$4 4

TOTAL COST = \$4,446.08

SUMMARY OF CONSTRUCTION COST

Timber Sale: **Number Nine** Timber Sale No. : 341-12-13 Road Segment: E to F Improvement: 105+60 stations 2.00 miles PROJECT NO. 1 **EXCAVATION** Pull Ditch and Scatter Waste Material 105.60 \$60.00 per sta = sta @ \$6,336.00 Grade and Roll 105.60 sta @ \$28.70 per sta = \$3,030.72 TOTAL EXCAVATION COSTS= \$9,366.72 **CULVERTS - MATERIALS & INSTALLATION** Culvert Markers 5 markers \$50.00 TOTAL CULVERT COSTS = \$50.00 PROJECT NO. 1 TOTAL COST = \$9,416.72 **PROJECT NO. 2:** SURFACING 3 " deep = 20 cy/sta E to F 2,112 1½" - 0 cy of \$5.98 per cy = \$12,629.76 @ Curve Widening 1½" - 0 20 cy of \$5.98 per cy = \$119.60 Turnouts (14) 84 1½" - 0 cy of @ \$5.98 per cy = \$502.32 1½" - 0 Junction 40 cy of @ \$5.98 per cy = \$239.20 2,256 1½" - 0 Total = cy of PROJECT NO. 2 TOTAL COST = \$13,490.88

TOTAL COST = \$22,907.60

ROCK DEVELOPMENT COST SUMMARY

Timber Sale: Number Nine

Sale Number: 341-12-13

Pit Name: Rock Pit

Swell: Shrinkage: Drill Pct.:	1.30 1.16 100%	_ _ _	Pit Run (trk me Total Truck Yaı Total In Place \	rdage: _	1,029 cy 1,029 cy 792 cy
Scalp & Clear Overb Rip Rock: Load Dump Truck:	ourden:	\$1.90 /cy x \$0.70 /cy x	792 cy 1,029 cy	= = Subtotal	\$1,500.00 \$1,503.92 \$720.30 \$3,724.22
Equipment Cleaning Move in Excavator Clean Up Pit		·		Subtotal	\$1,000.00 \$958.80 \$300.00 \$1,258.80

PIT DEVELOPMENT COST \$4.84/cy TOTAL PRODUCTION COST \$4,983.02

Move-In & Equipment Cleaning

Timber Sale: Sale Number:

Number Nine 341-12-13

HAUL	AVE SPEED	(mph)	7	,	c	4
LOWBOY	400	KOAD	Main	Lines	dəəşs	Grades
	DIST.	(mi)	u u))	0 2) i

						Within				Within	
	EQUIPMENT	Equipment	Base	Woods	Pilot	Area	Begin			Area	Total
<u>څ</u>	DESCRIPTION	Cleaning	Cost	Cost	Cars	Move	Mileage			Cost	Cost
0	Drill & Compressor		\$0.00	\$0.00		\$46.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
0	Brush Cutter		\$0.00	\$0.00		\$4.00	\$0.00			\$0.00	\$0.00
Н	Graders		\$300.00	####		\$3.65	\$0.00			\$0.00	\$615.78
0	Loader (Small)		\$0.00	\$0.00	-	\$3.55	\$0.00			\$0.00	\$0.00
H	Loader (Med. & Large)		\$414.39	####	Н	\$9.00	\$0.00			\$0.00	\$811.41
Ħ	Rollers (smooth/grid) & Compactors	Ş	\$308,59	####		\$5.00	\$0.00			\$0.00	\$545.03
0	Excavators (Small)		\$0.00	\$0.00		\$22.00	\$0.00			\$0.00	\$0.00
0	Excavators (Med.)		\$0.00	\$0.00		\$35.50	\$0.00			\$0.00	\$0.00
Ŧ	Excavators (Large)	\$1,000	\$466.14	####	-	\$44.80	\$0.00			\$0.00	\$1,934.26
0	Tired Backhoes/Skidders		\$0.00	\$0.00		\$3.00	\$0.00			\$0.00	\$0.00
0	Tractors (D6)		\$0.00	\$0.00	7	\$7.10	\$0.00			\$0.00	\$0.00
0	Tractors (D7)		\$0.00	\$0.00	7	\$11.30	\$0.00			\$0.00	\$0.00
Ŧ	Tractor (D8)	\$1,000	\$473.80	####	7	\$15.10	\$0.00			\$0.00	\$1,899.78
ო	Dump Truck (10 cy +)		\$350.00	####		\$2.85	\$0.00			\$0.00	\$605.90
0	Dump Truck (Off Hiway)		\$0.00	\$0.00	 -1	\$4.75	\$0.00			\$0.00	\$0.00
0	Water Truck (1500 Gal)		\$0.00	\$0.00		\$2.85	\$0.00			\$0.00	\$0.00
Ħ	Water Truck (2500 Gal)		\$111.67	\$81.65		\$2.85	\$0.00			\$0.00	\$193.32

\$6,605.48

TOTAL MOVE-IN COSTS:

CRUISE REPORT Number Nine 341-12-13

1. CRUISE DESIGN AND SAMPLING INTENSITY:

In 2005 a portion of the Timber Sale Area was cruised with 11 Stand Level Inventory variable radius plots with a total of 56 measured trees. The plot data was grown forward to November, 2011. The Super Ace-generated cruise statistics report indicated that the Coefficient of Variation on the per acre basal area is 42% and the cumulative sampling error is 13%. Because the total tree count on these plots did not meet ODF standards for sample size, they were supplemented with an additional 7 variable radius plots in October, 2011. The cruise design assumed a Coefficient of Variation (CV%) of 44%, an average stand diameter of 17 inches, a desired sampling error (SE%) of 11% at a 68% confidence level, and a minimum sample size of 100 grade trees. The combined cruises produced an acceptable sampling error of 9.6% on the Douglas-fir board foot volume with a total of 137 total trees cruised

2. SAMPLING METHOD:

The inventory plots indicated an optimal 6 to 8 grade trees per plot could be realized with a variable radius plot using a 40 BAF prism. An additional cruise line was laid out in the sale area with plots spaced at 5 chains. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.

3. TREE MEASUREMENT AND GRADING:

All grade plot trees were measured and graded following Columbia River Log Scale grade rules and favoring 40 foot segments.

a) Height Standards:

- Total tree heights were measured to the nearest foot. Bole heights were calculated to a six inch top.
- b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
- c) **Form Factors** were measured for each grade tree using a form point of 16 feet.

4. DATA PROCESSING

- Volumes and Statistics: Cruised and grown forward volume estimates, and sampling statistics, were derived from Super Ace 2008 cruise software. Stand Level Inventory Plot data was grown forward to November 2011.
- b) **Deductions:** Area 1 Two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.

Prepared by:	·	
, ,	Peter Stone	Date
Reviewed by:		
•	Eric Foucht	Date

4. Cruisers: The sale was cruised by SLI contract and ODF cruisers.

Number Nine 341-12-13

Volume Summary (Shown in MBF) November 2011

Area 1: Modified Clearcut (82 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	TOTAL
Douglas-fir	Cruise Volume	1,604	801	157		2,562
	In-Growth					
	Hidden D&B	(32)	(16)	(3)	(0)	(51)
	Total	1,572	785	154	0	2,511
	% Total	63	31	6		

SPECIES		2 SAW	3 SAW	4 SAW	CAMPRUN	TOTAL
Red alder	Cruise Volume	0	0	0	27	27
	In-Growth					
	Hidden D&B	(0)	(0)	(0)	(1)	(1)
	Total	0	0	0	26	26
	% Total	0	0	0	100	

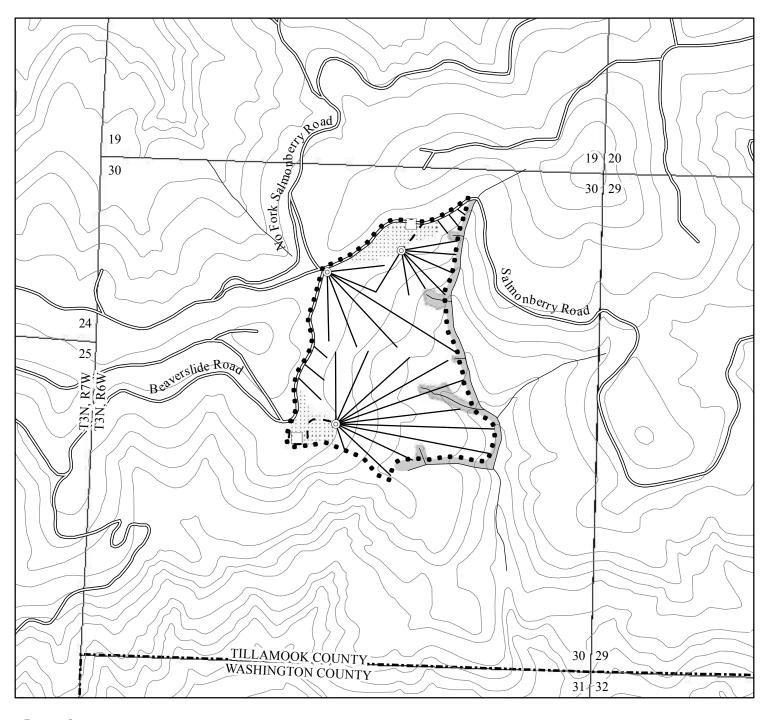
TC PSTA	ATS					OJECT ROJECT		STICS NINE			PAGE DATE	1 10/31/2011
(WP	RGE	SC	TRACT		TYPE		AC	RES	PLOTS	TREES	CuFt	BdFt
03_	06_	30	0		7416			82.00	18	137	S	W
						TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
		F	PLOTS	TREES		PER PLOT	•	TREES		TREES		
TOTAL	L		18	137	`	7.6					······································	
CRUIS DBH C REFOI	COUNT		17	109		6.4		10,268		1,1		
COUN BLAN 100 %	IKS		1	12		12.0						
	·				STA	AND SUM	MARY					
		5.4	AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOLIG	FIR-T		103	119,4	17.8	86	48.8	205.6	31,450	31,250	7,343	7,343
	MLOCK-	Ţ	4	3.5	15.2	72	46.8 1.1	203.0 4,4	521	507	136	136
R ALE		·L	1	1.8	15.2	94	0.6	2.2	326	326	76	76
NOB F			1	.5	20.0	76	0.0	1.1	102	102	33	33
TOTA			109	.3 125.2	20.0 17.7	86	50.7	213,3	32,399	32,184	7,589	7,589
CONF	FIDENO 68		MITS OF T			ME WILL	BE WITI	HIN THE SAI	MPLE ERRO	OR		
CL	68.1		COEFF	T OF 100 T	HE VOLU	SAMPI	E TREE	S - BF		F OF TREES		INF. POP.
CL SD:	68.1 1.0		COEFF VAR.%	T OF 100 T S.E.%	HE VOLU	SAMPI LOW	E TREE	S - BF HIGH			REQ. 10	
CL SD: DOUG	68.1 1.0 3 FIR-T MLOCK- DER-T	.1	COEFF	T OF 100 T	HE VOLU	SAMPI	E TREE	S - BF		F OF TREES		
CL SD: DOUG WHEN R ALD	68.1 1.0 F FIR-T MLOCK- DER-T FIR-L	.1	COEFF VAR.% 75.4	S.E.%	HE VOLU	SAMPI LOW 439	E TREE AVG 474	S - BF HIGH 510		F OF TREES		15
CL SD: DOUG WHEN R ALD NOB F	68.1 1.0 FIR-T MLOCK- DER-T FIR-L	.1	COEFF VAR.% 75.4 128.6 77.2	S.E.% 7.4 73.5	HE VOLU	SAMPI LOW 439 74 428	AVG 474 278 462	S - BF HIGH 510 481		FOR TREES 5	10 60	15 26
CL SD: DOUG WHEN R ALD NOB F TOTA	68.1 1.0 3 FIR-T MLOCK- DER-T FIR-L L 68.1	.1	COEFF VAR.% 75.4 128.6 77.2 COEFF	S.E.% 7.4 73.5	HE VOLU	SAMPI LOW 439 74 428 TREES	AVG 474 278 462 /ACRE	S - BF HIGH 510 481		# OF TREES 5 238 # OF PLOTS	10 60 REO.	15 26 INF. POP.
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD:	68.1 1.0 3 FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0	.1	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.%	S.E.% 7.4 73.5 7.4 S.E.%	HE VOLU	SAMPI LOW 439 74 428 TREES LOW	AVG 474 278 462 AVG AVG	S - BF HIGH 510 481 496 HIGH		FOR TREES 5	10 60	15 26 INF. POP.
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG	68.1 1.0 3 FIR-T MLOCK- DER-T FIR-L L 68.1	L	COEFF VAR.% 75.4 128.6 77.2 COEFF	S.E.% 7.4 73.5	HE VOLU	SAMPI LOW 439 74 428 TREES	AVG 474 278 462 /ACRE	S - BF HIGH 510 481		# OF TREES 5 238 # OF PLOTS	10 60 REO.	15 26 INF. POP.
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK-	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5	S.E.% 7.4 73.5 7.4 S.E.% 15.4	HE VOLU	SAMPI LOW 439 74 428 TREES LOW	AVG 474 278 462 /ACRE AVG 119	S - BF HIGH 510 481 496 HIGH 138		# OF TREES 5 238 # OF PLOTS	10 60 REO.	15 26 INF. POP.
CL SD: DOUG WHEN R ALD TOTA CL SD: DOUG WHEN	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK- DER-T	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW	AVG 474 278 462 /ACRE AVG 119 4	S - BF HIGH 510 481 496 HIGH 138 7		# OF TREES 5 238 # OF PLOTS	10 60 REO.	15 26 INF. POP.
CL SD: DOUG WHEN NOB F TOTA CL SD: DOUG WHEN R ALC	68.1 1.0 FIR-T MLOCK- DER-T FIR-L 1.0 FIR-T MLOCK- DER-T FIR-L	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW	AVG 474 278 462 /ACRE AVG 119 4 2	S - BF HIGH 510 481 496 HIGH 138 7		# OF TREES 5 238 # OF PLOTS	10 60 REO.	26 INF. POP. 15
CL SD: DOUG WHEN R ALD SD: DOUG WHEN R ALD NOB F TOTA	68.1 1.0 3 FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 3 FIR-T MLOCK- DER-T FIR-L AL L AL L AL	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101	AVG 474 278 462 /ACRE AVG 119 4 2 1	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10	26 INF. POP. 15
CL SD: DOUG WHEN NOB F TOTA CL SD: NOB F TOTA CL SO: SD: CL SD: C	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 424.3 56.9 COEFF VAR.%	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 13.8 S.E.%	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW	AVG 474 278 462 /ACRE AVG 119 4 2 1 125 AREA/A AVG	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10	26 INF. POP. 15 INF. POP.
CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG CL SD: DOUG	68.1 1.0 G FIR-T MLOCK-DER-T FIR-L 1.0 G FIR-T MLOCK-DER-T FIR-L ML 68.1 1.0 G FIR-T ML 68.1	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 13.8 S.E.% 9.4	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CRE HIGH 225		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10 34 REQ.	26 INF. POP. 13 INF. POP.
CL SD: DOUG WHEM R ALD NOB F TOTA CL NOB F TOTA CL NOB F TOTA CL SD: DOUG WHEM SD: DOUG WHEM	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L MLOCK- DER-T FIR-L MLOCK- DER-T DER-T MLOCK- DER-T MLOCK- DER-T MLOCK- DER-T DER-T MLOCK- DER-T D	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 13.8 S.E.% 9.4 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CRE HIGH 225 9		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10 34 REQ.	26 INF. POP. 15 INF. POP.
CL SD: DOUG WHEN R ALD NOB F TOTA CL NOB F TOTA CL SD: DOUG WHEN R ALD DOUG WHEN R ALD DOUG WHEN R ALD	68.1 1.0 G FIR-T MLOCK-DER-T FIR-L 1.0 G FIR-T MLOCK-DER-T FIR-L 1.0 G FIR-T MLOCK-DER-T FIR-L 1.0 G FIR-T MLOCK-DER-T	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 13.8 S.E.% 9.4 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10 34 REQ.	26 INF. POP. 15 INF. POP.
CL SD: DOUG WHEN R ALC NOB F TOTA CL SD: DOUG WHEN R ALC NOB F TOTA CL SD: DOUG WHEN R ALC NOB F ALC NOB F ALC NOB F	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 FIR-T MLOCK- DER-T FIR-T MLOCK- DER-T FIR-T	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 13.8 S.E.% 9.4 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186	AVG AVG AVG 119 4 22 1 125 AREA/A AVG 206 4 2 1	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5 2		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10 34 REO. 10	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD SD: DOUG WHEN R ALD R ALD	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 FIR-T MLOCK- DER-T FIR-T MLOCK- DER-T FIR-T	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 13.8 S.E.% 9.4 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5		# OF TREES 5 238 # OF PLOTS 5	60 REO. 10 34 REQ.	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F ALD NOB F ALD NOB F	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 1.0 G FIR-T MLOCK- DER-T FIR-L AL L A	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 13.8 S.E.% 9.4 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186	AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4 2 1 213	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5 2	#	# OF TREES 5 238 # OF PLOTS 5	10 60 REO. 10 34 REO. 10	26 INF. POP. 15 INF. POP.
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL 1.0 G FIR-T MLOCK- DER-T FIR-L AL L A	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3 424.3 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 13.8 S.E.% 9.4 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186	AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4 2 1 213	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5 2	#	# OF TREES 5 238 # OF PLOTS 5 137 # OF PLOTS 5	10 60 REO. 10 34 REO. 10	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: CL S	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T MLOCK- DER	L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 424.3 56.9 COEFF VAR.% 38.7 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 COEFF	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186 196 NET BI	AVG AVG AVG 119 4 21 125 AREA/A AVG 206 4 2 1 213	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CRE HIGH 225 9 5 2 230	#	# OF TREES 5 238 # OF PLOTS 5 137 # OF PLOTS 5	10 60 REO. 10 34 REQ. 10	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG WHEM R ALD NOB F TOTA	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L 1.0 G FIR-T MLOCK- DER-T FIR-L ML	L L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3 424.3	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 102.8 12.8 102.8 102.8 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186 NET BI LOW	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4 2 1 213 F/ACRE AVG	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CRE HIGH 225 9 5 2 230 HIGH	#	# OF TREES 5 238 # OF PLOTS 5 137 # OF PLOTS 5	10 60 REO. 10 34 REQ. 10	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG WHEM R ALD NOB F TOTA CL SD: DOUG CL SD: DOU	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L ML 68.1 1.0 G FIR-T MLOCK- DER-T FIR-L ML 68.1 1.0 G FIR-T MLOCK- OF FIR-T MLOCK- OF FIR-T MLOCK-	L L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 425.3 426	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186 NET BI LOW	AVG AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4 2 1 213 F/ACRE AVG 31,250	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CCRE HIGH 225 9 5 2 230 HIGH 34,257	#	# OF TREES 5 238 # OF PLOTS 5 137 # OF PLOTS 5	10 60 REO. 10 34 REQ. 10	26 INF. POP. 15 INF. POP. 15
CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA CL SD: DOUG WHEN R ALD NOB F TOTA	68.1 1.0 G FIR-T MLOCK- DER-T FIR-L AL	L L	COEFF VAR.% 75.4 128.6 77.2 COEFF VAR.% 63.5 424.3 425.3 426	S.E.% 7.4 73.5 7.4 S.E.% 15.4 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8 102.8	HE VOLU	SAMPI LOW 439 74 428 TREES LOW 101 108 BASAL LOW 186 NET BI LOW	AVG AVG AVG 119 4 2 1 125 AREA/A AVG 206 4 2 1 213 F/ACRE AVG 31,250 507	S - BF HIGH 510 481 496 HIGH 138 7 4 1 142 CRE HIGH 225 9 5 2 230 HIGH 34,257 1,028	#	# OF TREES 5 238 # OF PLOTS 5 137 # OF PLOTS 5	10 60 REO. 10 34 REQ. 10	26 INF. POP. 15 INF. POP. 15

	S	So Gr			Def	Net	%		ľ	let Volu	me by			eter in l	nches				
Spp	Т	rt de	Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	Т	2N	1 20	10		10	.4										10		
DF	Т	2N	1 30	10		10	.4						10						
DF	T	2N	1 40	1,593		1,584	61.8						309	402	512	326	35		
DF	Т	3N	1 20	11		11	.4					11		٠					•
DF	Т	3N	1 24	29		29	1.1				12	18							
DF	Т	3N	1 30	49		49	1.9				4	45							
DF	Т	3N	1 32	173		172	6.7			104	30	36	3						
DF	Т	31\	1 40	546	1.1	540	21.1			97	61	370	12						
DF	T	41\	1 16	55		55	2.2			55									·····
DF	Т	4N	1 20	31		31	1.2			31									
DF	Т	4N	1 24	30		30	1.2			30		•							
DF	Т	4N	1 30	35		35	1.4			35									
DF	Т	4N	1 32	6	4.9	6	.2			6									
DF	1	Tota	ls	2,579		2,562	97.1			357	106	480	335	402	512	326	44		
RA	Т	R	30	27		27	100.0			7		19							
RA		Tota	ls	27		27	1.0			7		19							
NF	L	3N	1 40	8		8	90.0					8							
NF	L	41	1 20	1		1	10.0			1									•
NF		Tota	ls	8		8	.3			1		8							
WH	L	31	1 32	2 11	10.5	10	23.7			6			4						
WH	L	3N	1 40	28		28	68.0				16				13				
WH	L	41	1 16	3		3	7.2			3									
WH	L	4N	1 20	0		0	1.0			0									
WĤ		Tota	ls	43	2.7	42	1.6			9	16		4		13				
Total	一	All Spec	ies	2,657		2,639	100,0			375	121	506	339	402	525	326	44		

TC PSTNDSUM **Stand Table Summary** Page 1 10/31/2011 Date: T03_R06_S30 Ty7416 82.00 Project Time: 2:12:30PM NONINE 82.00 Acres Grown Year:

<u> </u>								T							
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Averag Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Totals Cunits	MBF
DF T	8	2	88	48	15.003	5.24	15.00	3.7	20.0	1.59	56	300	130	46	. 25
DF T	10	2	87	58	9.602	5.24	9.60	10.2	50.0	2.79	98	480	229	80	39
DF T	11	2	87	62	7.936	5.24	7.94	11.9	50.0	2.68	94	397	220	77	33
DF T	12	1	82	63	1.667	1.31	1.67	16.8	50.0	.80	28	83	66	23	7
DFT	13	2	88	71	5.682	5.24	5.68	21.1	70.0	3.41	120	398	280	98	33
DFT	14	3	86	80	4.899	5,24	8.57	15.4	61.4	3.75	132	527	308	108	43
DFT	15	3	86	92	4.268	5.24	8.54	19.3	72.5	4.68	164	619	384	135	51
DFT	16	7	88	90	10,315	14,40	20.63	22.8	92.7	13,40	470	1,913	1,099	386	157
DFT	17	5	88	95	7.476	11.78	14.95	26.4	108.3	11.26	395	1,620	923	324	133
DF T	18	11	87	90	11.854	20.95	23.71	28.6	108.8	19.31	677	2,578	1,583	555	211
DF T	19	6	88	99	5.985	11.78	13.30	31.7	122.0	12.02	422	1,623	985	346	133
DF T	20	4	87	107	3.601	7.86	10.80	27.3	108.9	8.41	295	1,176	690	242	96
DF T	21	4	88	98	3.266	7.86	7.62	37.4	153.6	8.11	285	1,170	665	233	96
DF T	22	7	88	1	5.952	15.71	14.88	39.2	158.7	16.64	584	2,361	1,365	479	194
DF T	23	5	87		3.176	9.16	7.71	46.4	196.5	10.19	358	1,516	836	293	124
DF T	24	11	87		7.085	22.26	21.25	41.6	182.7	25.19	884	3,884	2,066	725	319
DF T	25	2	89		.768	2.62	2.30	50.8	233.3	3.33	117	538	273	96	44
DF T	26	6	86		3.196	11.78	9.94	54.0	243.9	15.31	537	2,425	1,256	441	199
DF T	27	2	88	102	1.317	5.24	3.29	60.3	254.0	5.66	199	836	464	163	69
DF T	28	4	89		1.225	5.24	3.67	65.7	310.8	6.88	241	1,142	564	198	94
DFT	29	4	88		2.283	10.47	6.85	71.0	343.3	13.87	487	2,352	1,137	399	193
DFT	30	3	88		.800	3.93	2.40	74.6	344.4	5.10	179	827	418	147	68
DFT	32	5		123	1.641	9.16	4.92	80.5	378.6	11.29	396	1,864	926	325	153
DFT	34	1	88		.208	1.31	.62	101.8	510.0	1.81	63	318	148	52	26
DF T	36	1	86	130	.185	1.31	.56	112.5	546.7	1.78	63	304	146	51	25
DF T	Totals	103	87	86	119.388	205.56	226.42	32.4	138.0	209.29	7,343	31,250	17,162	6,022	2,562
WHL	12	1	86	55	1.415	1.11	1.41	14.8	50.0	.67	21	71	55	17	6
WHL	14	1	85	80	1.039	1.11	2.08	16.4	55.0	1.09	34	114	89	28	9
WHL	16	1	86	80	.796	1.11	1.59	20.9	70.0	1.07	33	111	87	27	9
WHL	28	1	85	111	.260	1.11	.78	60.8	270.0	1.52	47	210	124	39	17
WHL	Totals	4	86	72	3.510	4.44	5.86	23.1	86.4	4.34	136	507	356	111	42
RA T	15	1	88	94	1.811	2.22	3.62	21.1	90.0	2.10	76	326	172	63	27
RA T	Totals	1	88	94	1.811	2.22	3.62	21,1	90.0	2,10	76	326	172	63	27
NF L	20	1	83	76	.509	1.11	1.02	32.7	100.0	.80	33	102	66	27	8
NF L	Totals	1	83	76	.509	1.11	1.02	32.7	100.0	.80	33	102	66	_. 27	8
Totals		109	87	86	125.218	213.33	236.93	32.0	135,8	216.53	7,589	32,184	17,756	6,223	2,639

Т03	B_ R(06_ S30	Ту7416		82.00		Project: Acres	NC	92.0		-						Page Date Time	10	1 0/31/2 08:5	
			%					Per	cent of	Net Bo	oard Fo	oot Volu	me			Τ	Avera	ge Lo	g	Logs
		So Gr	Net	Bd. F	t. per Acre	€	Total	I	og Sc	ale Dia.			Log L	ength		Ln	Dia			Per
Spp	T	rt ad	BdFt	Def%	Gross	Net	Net MBF	4 - 5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF DF	T T T	CU 2M 3M 4M	62 31 7	.5 .9 .2	19,670 9,861 1,919	19,563 9,771 1,915	1,604 801 157		98 100	62 2	38	1 1 55	1 10 41	21 4	99 67	17 40 36 20		100	0.00 1.96 0.72 0.40	2.3 54.3 97.9 74.4
DF	Tota	als	97	.6	31,450	31,250	2,562		37	39	24	4	6	7	83	31	9	137	1.02	228.
RA RA	T Tot	R	100		326 326	326 326	27		100 100				100			30	9		0.70	3. 3.
NF	L L	3M 4M	90 10		92 10	92 10	8 1		100 100			100	100		100	40		180	1.42 0.43	
NF	Tota	als	0		102	102	8		100			10			90	30	9	100	1.09	1,
WH WH	L	3M 4M tals	91 9 2	3.0	479 42 521	465 42 507	38 3 42		56 100 60	11	34	100		26	74 68	36 16 29	9 6 8	20	0.90 0.33 0.79	3.1 2.1
Total	is			0.7	32,399	32,184	2,639		38	38	24	4	7	7	82	31	9		1.01	239.:



Legend

• • • • Timber Sale Boundary

Roads

- New Road Construction

Type N Stream

Cable Logging Area

Tractor Logging Area

© Cable Landing

Posted Stream Buffer

Unposted Stream Buffer

County Line

80 Foot Contour

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-12-13 NUMBER NINE PORTIONS OF SECTION 30, T3N, R6W, W.M TILLAMOOK COUNTY, OREGON

> Forest Grove District GIS November 2011

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

1:12,000 1 inch = 1,000 feet

500 1,000 2,000



APPROXIMATE NET ACRES TRACTOR CABLE

8 74