

"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

# cost summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,727,102.25	\$0.00	\$1,727,102.25
		Project Work:	\$(31,840.00)
		Advertised Value:	\$1,695,262.25

1/8/13



"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

# timber description

Location: Portions of Sections 13, 14, and 23, T3N, R6W,

W.M., Tillamook County, Oregon.

Stand Stocking: 20%

SpecieNameAvgDBHAmortization (%)Recovery (%)Douglas - Fir19098

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	3,013	1,260	164	4,437
Total	3,013	1,260	164	4,437

1/8/13



"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

comments: Pond Values Used: 4th Quarter Calendar Year 2012.

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:

\$276.06/MBF = \$435/MBF - \$158.94/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value

minus Logging Cost:

\$826.06/MBF = \$985/MBF - \$158.94/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus

Logging Cost:

\$401.06/MBF = \$560/MBF - \$158.94/MBF

SCALING COST ALLOWANCE = \$5.00/MBF

FUEL COST ALLOWANCE = \$4.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$780 daily truck cost.

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

Brand and Paint: 4,437 MBF @ \$1/MBF = \$4,437

Total Other Costs (with Profit & Risk to be added) = \$4,437

Other Costs (No Profit & Risk added):

Machine time to block/waterbar roads, and skid trails:

15 hours @ \$150/Hr. = \$2,250

Equipment Cleaning:  $4 \times \$1,000/Piece = \$4,000$ 

Machine Time to Pile Landing Slash and Sort Firewood:

15 hours x \$150/hr= \$2,250

TOTAL Other Costs (No Profit & Risk added) = \$8,500

ROAD MAINTENANCE

Move-in: \$2,000

General Road Maintenance: 6.4 miles x \$1,000/mile = \$6,400

TOTAL: \$8,400 / 4,437 MBF = \$1.89/MBF



"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

# logging conditions

**combination#: 1** Douglas - Fir 100.00%

yarding distance: Short (400 ft) downhill yarding: No logging system: Shovel Process: Stroke Delimber

tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 6.0 bd. ft / load: 4,600

**cost / mbf:** \$52.11

machines: Stroke Delimber (B)



"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

# logging costs

Operating Seasons: 2.00 Profit Risk: 15.00%

**Project Costs:** \$31,840.00 **Other Costs (P/R):** \$4,437.00

**Slash Disposal:** \$0.00 **Other Costs:** \$8,500.00

## Miles of Road

**Road Maintenance:** \$1.89

Dirt	Rock (Contractor)	Rock (State)	Paved	
0.0	0.0	0.0	0.0	

## Hauling Costs

Species	\$/MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	4.6



"STEWARDSHIP IN FORESTRY"

District: Forest Grove Date: January 08, 2013

# logging costs breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
Douglas - Fir									
\$52.11	\$1.93	\$1.98	\$75.19	\$1.00	\$19.83	\$0.00	\$5.00	\$1.92	\$158.96

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$548.21	\$389.25	\$0.00



January 08, 2013 **Forest Grove** Date: District:

## summary

## Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00

## Unamortized

Specie	MBF	Value	Total
Douglas - Fir	4,437	\$389.25	\$1,727,102.25

## **Gross Timber Sale Value**

\$1,727,102.25 Recovery:

Prepared by: Mark Savage **Phone:** 503-359-7437

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#### PROJECT COST SUMMARY SHEET

Timber Sale:	Lou's Head
Sale Number:	341-13-36

#### PROJECT NO. 1: ROAD CONSTRUCTION

#### CONSTRUCTION

Road Segment	Length	Cost			
A to B	32+75	\$7,830.50			
C to D	15+00	\$3,482.86			
Point E	0+00	\$275.20			
F to G	9+25	\$2,541.52			
	57+00	stations			
	1.08 miles				

TOTAL PROJECT NO. 1 COST =

\$14,130.07

#### PROJECT NO. 2: SURFACING

Road Segment	Amount	Type	Cost
A to B	1,600 cy	3" - 0	\$8,240.00
C to D	781 cy	3" - 0	\$3,959.67
Point E	60 cy	3" - 0	\$290.40
Total	2,441 cy	3" - 0	

TOTAL PROJECT NO. 2 COST = \$1

\$12,490.07

#### PROJECT NO. 3: GRASS SEED, FERTILIZE, & MULCH

Grass seed and fertilize areas of disturbed \$493.33 soil.

TOTAL PROJECT NO. 3 COST = \$493.33

**MOVE IN & EQUIPMENT CLEANING** 

\$4,721.74

TOTAL ALL PROJECTS
TOTAL CREDITS

\$31,835.21 \$31,840.00

Road Segment:	A to B							
					Cor	struction:	32+75 stations	
							0.62 miles	
PROJECT NO. 1								
XCAVATION								
Clearing and Grubbing (Scatter)			3.01	acres @	\$980.00	per acre =	\$2,947.20	
Salanced Road Construction		3	32.75	sta @	\$90.00	per sta =	\$2,947.50	
Prift			2.00	sta @	\$150.00	per sta =	\$300.00	
excavate bank material @ 12+60	)		2.00	hrs @	\$125.00	per hour =	\$250.00	
Construct Turnouts			2	ea @		per ea =	\$120.00	
Construct Turnaround			1	ea @		per ea =	\$75.00	
Construct Landing			2	ea @		** *** ** *** *** *** *** *** *** ***	\$300.00	
Grade and Roll (Outslope)		(	32.75	sta @	\$27.20	per sta =	\$890.80	
					PROJEC1	T NO. 1 T	OTAL COST=	\$7,830.50
PROJECT NO. 2:								
SURFACING 8	" deep =	42 cy/s	sta					
A to B 1,37	6 cy of	3" - 0	@	D)	\$5.15	per cy =	\$7,086.40	
Curve Widening 20	cy of	3" - 0	0	D	\$5.15	per cy =	\$103.00	
urnouts (3) 63	cy of	3" - 0	0	D)	\$5.15	per cy =	\$324.45	
urnaround (1) 21	cy of	3" - 0	0	0	\$5.15	per cy =	\$108.15	
anding (2) 120	) cy of	3" - 0	0	0	\$5.15	per cy =	\$618.00	
Total =								
1,60	0 cy of	3" - 0						
				P	PROJECT	NO. 2 T	OTAL COST = _	\$8,240.00
PROJECT NO. 3:							v	
Grass seed and fertilize areas of	disturbed soil.		1.50 a	cres @	\$220.00	per acre =	\$330.81	
	e e 15			F	ROJECT	NO. 3 T	OTAL COST =	\$330.81
							TAL COST =	\$16,401.3

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Timber Sale:		Lou's Hea	ad			Timber	Sale No. :	341-1	3-36
Road Segment:		C to D				Co	nstruction :	15+00 stations	
_								0.28 miles	
PROJECT NO. 1									
EXCAVATION									
Clearing and Grubbing (S	catter)		1	.38	acres @	\$980.00	per acre =	\$1,349.86	
Balanced Road Construc			15	5.00	sta @	\$90.00	per sta =	\$1,350.00	
Construct Turnaround				1	ea@	\$75.00	per ea =	\$75.00	
Construct Landing				2	ea @	\$150.00	per ea =	\$300.00	
Grade and Roll (Outslope	e)		15	5.00	sta @	\$27.20	per sta =	\$408.00	
					PI	ROJEC	T NO. 1 T	OTAL COST=	\$3,482.86
PROJECT NO. 2	2:								
SURFACING	8	" deep =	42 cy/sta	a					
C to D	630	cy of	3" - 0	<u> </u>	)	\$5.07	per cy =	\$3,194.10	
Curve Widening	10	cy of	3" - 0	@		\$5.07	per cy =	\$50.70	
Turnaround (1)	21	cy of	3" - 0	@	)	\$5.07	per cy =	\$106.47	
Landing (2)	120	cy of	3" - 0	@	)	\$5.07	per cy =	\$608.40	
Total =									
	781	cy of	3" - 0						
					PF	ROJECT	NO. 2 T	OTAL COST =	\$3,959.67
PROJECT NO. 3	3:								
Grass seed and fertilize a		sturbed soil.	(	).69 a	cres @	\$220.00	per acre =	\$151.52	
					PF	ROJECT	T NO. 3 T	OTAL COST =	\$151.52
							TO	TAL COST =	\$7,594.0

Lou's Head Timber Sale No.: 341-13-36 Timber Sale: Point E Construction: 0+00 stations Road Segment: 0.00 miles PROJECT NO. 1 **EXCAVATION** \$980.00 per acre = \$98.00 Clearing and Grubbing (Scatter) 0.10 acres @ ea @ \$150.00 per ea = \$150.00 Construct Roadside Landing 1 \$27.20 per sta = \$27.20 1.00 sta @ Grade and Roll (Outslope) PROJECT NO. 1 TOTAL COST= \$275.20 PROJECT NO. 2: SURFACING 8 " deep = 42 cy/sta 3" - 0 \$4.84 per cy = \$290.40 Landing (1) 60 cy of Total = cy of 3" - 0 60 PROJECT NO. 2 TOTAL COST = \$290.40 PROJECT NO. 3: \$220.00 per acre = \$11.00 Grass seed and fertilize areas of disturbed soil. 0.05 acres @ PROJECT NO. 3 TOTAL COST = \$11.00 TOTAL COST = \$576.60

Timber Sale:	Lou's Head			Timber Sale No. :	341-13-	36
Road Segment:	F to G			Construction :	9+25 stations	
					0.18 miles	
PROJECT NO. 1						
EXCAVATION						-
Clearing and Grubbing (Scatte	er)	0.85	acres @	\$980.00 per acre =	\$832.42	
Balanced Road Construction		9.25	sta @	\$90.00 per sta =	\$832.50	
Drift		1.00	sta @	\$150.00 per sta =	\$150.00	
Widen Pt F for long loads		2.00	hrs @	\$125.00 per hour =	\$250.00	
Construct Turnaround		1	ea @	\$75.00 per ea =	\$75.00	
Construct Landing		1	ea @	\$150.00 per ea =	\$150.00	
Grade and Roll (Outslope)		9.25	sta @	\$27.20 per sta =	\$251.60	
		ğ	PF	ROJECT NO. 1 TO	OTAL COST=	\$2,541.52

TOTAL COST = \$2,541.52

# Move-In & Equipment Cleaning

Timber Sale: LOU Sale Number: 34

LOU'S HEAD 341-13-36

LOWBOY HAUL (One-way)	AVE SPEED	(mph)	Main 7	_ines	Steep 3	Grades
LOWBOY	DIST.	(mi) N	Ž	_	Ste	_

						Within				Within	
	EQUIPMENT	Equipment	Base	Woods	Pilot	Area Move	Begin		Total	Area	Total
8	. DESCRIPTION	Cleaning	Cost	Cost	Cars	(\$/mile)	Mileage	Mileage	Miles	Cost	Cost
0	Drill & Compressor		\$0.00	\$0.00		\$46.00	0.0		0.0	\$0.00	\$0.00
0	Brush Cutter		\$0.00	\$0.00		\$4.00	0.0		0.0	\$0.00	\$0.00
$\leftarrow$ I	Graders		\$200.00	\$102.86		\$3.65	0.0		1.5	\$5.48	\$308.34
0	Loader (Small)		\$0.00	\$0.00	-	\$3.55	0.0		0.0	\$0.00	\$0.00
$\vdash$	Loader (Med. & Large)		\$303.86	\$183.35	П	\$9.00	0.0		0.0	\$0.00	\$487.21
$\vdash$	Rollers (smooth/grid) & Compactors		\$219.14	\$132.25		\$5.00	0.0		0.0	\$0.00	\$351.39
0	Excavators (Small)	\$0	\$0.00	\$0.00		\$22.00	0.0		0.0	\$0.00	\$0.00
$\leftarrow$	Excavators (Med.)	\$1,000	\$240.99	\$162.65		\$35.50	0.0		1.5	\$53.25	\$1,456.89
0	Excavators (Large)	\$0	\$0.00	\$0.00	$\vdash$	\$44.80	0.0		0.0	\$0.00	\$0.00
0	Tired Backhoes/Skidders	\$0	\$0.00	\$0.00		\$3.00	0.0		0.0	\$0.00	\$0.00
0	Tractors (D6)	\$0	\$0.00	\$0.00	7	\$7.10	0.0		0.0	\$0.00	\$0.00
0	Tractors (D7)	\$0	\$0.00	\$0.00	7	\$11.30	0.0		1.5	\$0.00	\$0.00
H	Tractor (D8)	\$1,000	\$343.47	\$190.58	7	\$15.10	0.0		0.0	\$0.00	\$1,534.05
4	Dump Truck (10 cy +)		\$311.12	\$160.00		\$2.85	0.0		0.0	\$0.00	\$471.12
0	Dump Truck (Off Hiway)		\$0.00	\$0.00	$\vdash$	\$4.75	0.0		0.0	\$0.00	\$0.00
0	Water Truck (1500 Gal)		\$0.00	\$0.00		\$2.85	0.0		0.0	\$0.00	\$0.00
H	Water Truck (2500 Gal)		\$74.45	\$38.29		\$2.85	0.0		0.0	\$0.00	\$112.74

\$4,721.74

TOTAL MOVE-IN COSTS:

#### **RESIDUAL STAND SPECIFICATIONS**

SALE NAME: Lou's head SALE NUMBER: 341-13-36

#### AREA 1

Residual QMD assumption (from leave tree cruise information) Target Relative Density

22.8	
38	

	Minimum	Target	Maximum
Relative Density	36	38	40
Basal Area	170	180	190
Trees per Acre	60	63	67

RD = BA /  $\sqrt{}$  DBH BA =  $\sqrt{}$ DBH (RD) TPA = (BA/acre) / (BA/tree) BA / tree =  $(\pi r^2)$  / (144)

#### TIMBER SALE SUMMARY

#### Lou's Head Contract No. 341-13-36

- 1. <u>Type of Sale</u>: The timber sale is a 227 acre partial cut with 4 acres of right-of-way. The timber will be sold on a recovery basis at a sealed bid auction.
- 2. Revenue Distribution: 100% BOF, Tillamook County 56-1
- 3. <u>Sale Acreage</u>: Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
- **4.** <u>Cruise Data</u>: The Timber Sale was cruised by ODF Cruisers in September of 2012. For more information see Cruise Report.
- **Timber Description:** The Timber Sale Area is medium to well stocked, 70 year old Douglas-fir stand with minor amounts of western hemlock, true firs, and hardwoods. There is timber in this stand that has the potential to be considered pole quality. The average "Take" Douglas-fir DBH is approximately 19 inches. Estimated average net Douglas-fir volume per acre is 19.1 MBF.
- **6.** Topography and Logging Method: Slopes within the sale areas vary in aspect and vary in range from 5% to 35%. The sale area is 100% ground-based yarding.
- 7. Access: From Forest Grove, head north on Highway 47 to its junction with Highway 26. Merge onto Highway 26 westbound and continue for approximately 17.6 miles to Salmonberry Road. Turn left off of the highway onto Salmonberry Road and continue for 1.9 miles to Camp 5 Road and turn left. Follow Camp 5 Road for approximately 1.5 miles and turn left onto Wheeler Road. Continue on Wheeler Road for approximately .1 miles to the western most edge of the sale area.

#### 8. Projects:

Project 1: Road Construction	\$14,130.07
Project 2: Road Surfacing	\$12,490.07
Project 3: Grass seed, fertilize, and mulch	\$493.33
Equipment Move-in and Cleaning:	\$4,721.74

TOTAL rounded credit for project work: \$31,840

#### 9. Other Costs:

Other Costs (with Profit & Risk to be added): Brand and Paint: 4,437 MBF @\$1/MBF = \$4,437

TOTAL Other Costs (with Profit & Risk to be added) = \$4,437

Other Costs (No Profit & Risk added):

Machine time to block/waterbar roads, and skid trails:

15 Hours @ \$150/Hr. = \$2,250

Equipment Cleaning: 4 x \$1,000/Piece = \$4,000 Machine time to pile landing slash and sort firewood:

15 hrs x \$150/hr= \$2,250

TOTAL Other Costs (No Profit & Risk added) = \$8,500

ROAD MAINTENANCE

Move-in: \$2,000

General Road Maintenance: 6.4 miles x \$1,000/mile = \$6,400

TOTAL: \$8,400 / 4,482 MBF = \$1.89/MBF

#### **VOLUME SUMMARY**

(Shown in MBF) Lou's Head Sale No. 341-13-36 October 2012

#### **AREA 1: PC-L (227 ACRES)**

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	2,934	1,243	161	4,338
	Hidden D&B (2%)	(59)	(25)	(3)	(87)
	NET TOTAL	2,875	1,218	158	4,251
	% of Total	67	29	4	

## AREA 2: R/W (4 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	141	43	6	190
	Hidden D&B (2%)	(3)	(1)	()	(4)
	NET TOTAL	138	42	6	186
	% of Total	74	23	3	

## **SALE TOTAL**

SPECIES	2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	3,013	1,260	164	4,437
TOTAL	3,013	1,260	164	4,437

## CRUISE REPORT Lou's Head 341-13-36

#### 1. SAMPLING INTENSITY:

The cruise design assumed a Coefficient of Variation (CV%) of 50%, an average stand diameter of 21 inches, a desired sampling error (SE%) of 8% and a minimum sample size of 100 grade trees. Pre-cruise plots indicated that 4 to 5 grade trees per plot could be realized with a variable radius plot using a 40 BAF prism.

#### 2. SAMPLING METHOD:

The area was cruised in September of 2012 with 37 grade plots using a 40 BAF prism. There were 13 Stand Level Inventory (SLI) plots used to supplement grade plots taken on this cruise. Plots were laid out on a 5 chain x 10 chain grid. Plots falling on or near existing roads or noharvest areas were offset 1 chain. Cruisers 'thinned' plots to 180 ft<sup>2</sup> of basal area by assigning a 'Take' or 'Leave' status to each tree in every plot.

#### 3. CRUISE RESULTS

119 trees were measured and graded producing a sampling error of 13% on the Douglas-fir board foot volume.

#### 4. TREE MEASUREMENT AND GRADING:

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

All grade plot 'Take' 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.

#### 5. DATA PROCESSING

- a) **Volumes and Statistics**, Cruise and grown forward volume estimates, and sampling statistics, were derived from Super Ace 2008 cruise software.
- b) **Deductions:** Two percent of the volume was subtracted from the computed sawlog volumes to account for hidden defect and breakage.

6.	Cruisers:	The sale	e was	cruised	by O	DF	cruisers	(Savage,	Stone)	١.

Prepared by:		
2 ,	ODF Forester	Date
Reviewed by:		
·	Eric Foucht	Date

TC PS	TATS					OJECT S ROJECT		STICS JSHEAD			PAGE DATE	1 11/5/2012
ГWР	RGE	SC	TRACT	7	ГҮРЕ		AC	RES	<b>PLOTS</b>	TREES	CuFt	BdFt
03N	06	13	001	I	<b>A</b> 1			227.00	50	341	S	W
						TREES		ESTIMATED TOTAL		ERCENT SAMPLE		
			PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	AL		50	341		6.8						
CRUI	ISE		37	182		4.9		15,386		1.2		
DBH	COUNT		13	52		4.0		10,035		.5		
REFO	DREST											
COU												
BLA												
100 %	<b>%</b>				C/TC A	NID CHIMI	MADW					
		c	AMPLE	TREES	AVG	ND SUMI BOLE	WARY REL	BASAL	GROSS	NET	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOL	G FIR-L		162	36.8	25.4	133	25.7	129.6	30,235	30,235	6,202	6,202
	G FIR-L		119	30.8 47.4	19.2	121	21.7	95.2	19,139	19,112	4,147	4,147
	EMLOCK-	·L	55	26.7	17.4	94	10.5	44.0	6,075	6,075	1,252	1,252
	FIR-L		5	1.1	26.1	117	0.8	4.0	636	636	115	115
TOT	AL		341	112.0	21.1	119	59.3	272.8	56,085	56,057	11,715	11,715
	68			THE SAMPL T OF 100 TI		JME WILL	BE WITI	HIN THE SAI	MPLE ERRO	OR		
CL	68.1		COEFF				E TREE		#	OF TREES		INF. POP.
SD:	1.0		VAR.%	S.E.%	I	LOW	AVG	HIGH		5	10	15
	IG FIR-L		29.3	4.1		803	837 495	872 516				
	IG FIR-T EMLOCK-		44.8 71.1	4.3 16.3		474 239	286	332				
NOB		-L	/1.1	10.5		23)						
1100	FIR-L											
TOT			50.7	3.8		548	569	591		103	26	11
CL			50.7 COEFF	3.8		548 TREES	000 20020	591	#	103 FOF PLOTS		INF. POP.
CL SD:	68.1 1.0		COEFF VAR.%	S.E.%	I	TREES.	ACRE AVG	HIGH	#			
CL SD: DOU	68.1 1.0 JG FIR-L		COEFF VAR.% 51.9	S.E.% 7.3	I	TREES	ACRE AVG 37	HIGH 40	#	FOF PLOTS	REQ.	INF. POP.
CL SD: DOU	68.1 1.0 JG FIR-L JG FIR-T		COEFF VAR.% 51.9 92.7	S.E.% 7.3 13.1	I	TREES. LOW 34 41	AVG AVG 37 47	HIGH 40 54	ħ	FOF PLOTS	REQ.	INF. POP.
CL SD: DOU DOU WHE	68.1 1.0 JG FIR-L JG FIR-T EMLOCK	-L	COEFF VAR.% 51.9 92.7 176.4	S.E.% 7.3 13.1 24.9	1	TREES	ACRE AVG 37 47 27	HIGH 40 54 33	ħ	FOF PLOTS	REQ.	INF. POP.
CL SD: DOU DOU WHE NOB	68.1 1.0 JG FIR-L JG FIR-T EMLOCK	-L	COEFF VAR.% 51.9 92.7 176.4 327.1	S.E.% 7.3 13.1 24.9 46.2		TREES. 20W 34 41 20 1	ACRE AVG 37 47 27 1	HIGH 40 54 33 2	#	F OF PLOTS	REQ. 10	INF. POP.
CL SD: DOU DOU WHE	68.1 1.0 JG FIR-L JG FIR-T EMLOCK- B FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1	S.E.% 7.3 13.1 24.9	I	TREES. 20W 34 41 20 1 103	ACRE AVG 37 47 27 1 112	HIGH 40 54 33 2 121		F OF PLOTS 5	REO. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT	68.1 1.0 JG FIR-L JG FIR-T EMLOCK B FIR-L CAL 68.1	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF	S.E.% 7.3 13.1 24.9 46.2 8.1		TREES. 20W 34 41 20 1 103 BASAL	ACRE AVG 37 47 27 1 112 AREA/A	HIGH 40 54 33 2 121		FOF PLOTS  5  130  FOF PLOTS	REQ. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT CL SD:	68.1 1.0 JG FIR-L JG FIR-T EMLOCK B FIR-L CAL 68.1 1.0	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.%	S.E.% 7.3 13.1 24.9 46.2 8.1 S.E.%		TREES. 20W 34 41 20 1 103 BASAL	ACRE AVG 37 47 27 1 112 AREA/A	HIGH  40 54 33 2 121  CCRE HIGH		F OF PLOTS 5	REO. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT CL SD:	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L CAL 68.1 1.0 JG FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1	S.E.% 7.3 13.1 24.9 46.2 8.1 S.E.% 5.9		TREES.  LOW  34  41  20  1  103  BASAL  LOW  122	ACRE AVG 37 47 27 1 112 AREA/A AVG 130	HIGH  40 54 33 2 121  CCRE HIGH 137		FOF PLOTS  5  130  FOF PLOTS	REQ. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT CL SD: DOU	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L CAL 68.1 1.0 JG FIR-L JG FIR-L		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0	S.E.%  7.3  13.1  24.9  46.2  8.1  S.E.%  5.9  12.9		TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95	HIGH  40 54 33 2 121  CCRE HIGH		FOF PLOTS  5  130  FOF PLOTS	REQ. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT CL SD: DOU WHE	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L CAL 68.1 1.0 JG FIR-L		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4	S.E.% 7.3 13.1 24.9 46.2 8.1 S.E.% 5.9		TREES.  LOW  34  41  20  1  103  BASAL  LOW  122	ACRE AVG 37 47 27 1 112 AREA/A AVG 130	HIGH  40 54 33 2 121  CCRE HIGH  137 107		FOF PLOTS  5  130  FOF PLOTS	REQ. 10	INF. POP. 15
CL SD: DOU WHE NOB TOT CL SD: DOU WHE	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L 68.1 1.0 JG FIR-L JG FIR-L EMLOCK 3 FIR-L		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0	S.E.%  7.3  13.1  24.9  46.2  8.1  S.E.%  5.9  12.9  20.0		TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53		FOF PLOTS  5  130  FOF PLOTS	REQ. 10	INF. POP.  15  14  INF. POP.  15
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L 68.1 1.0 JG FIR-L JG FIR-L EMLOCK 3 FIR-L		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0	S.E.%  7.3  13.1  24.9  46.2  8.1  S.E.%  5.9  12.9  20.0  42.8  5.7		TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS	REQ. 10  33  REQ. 10  16  REQ.	INF. POP.  14  INF. POP.  15  7  INF. POP.
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL SD:	68.1 1.0 JG FIR-L JG FIR-T EMLOCK 3 FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L EMLOCK 3 FIR-L 68.1 1.0 68.1 1.0		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.%	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.%	1	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH	#	FOF PLOTS  130 FOF PLOTS  5	REQ. 10 33 REQ. 10	INF. POP.  14  INF. POP.  15  7  INF. POP.
CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT  CL SD: DOU O DOU WHE NOB TOT	68.1 1.0 JG FIR-L JG FIR-T EMLOCK- 3 FIR-L 68.1 1.0 JG FIR-L JG FIR-L EMLOCK- 3 FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L		COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.%	S.E.%  7.3  13.1  24.9  46.2  8.1  S.E.%  5.9  12.9  20.0  42.8  5.7  S.E.%  6.0	1	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235	HIGH  40 54 33 2 121 CCRE HIGH  137 107 53 6 288  HIGH  32,057	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS	REQ. 10  33  REQ. 10  16  REQ.	INF. POP.  14  INF. POP.  15  7  INF. POP.
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL DOU WHE NOB TOT CL DOU	68.1 1.0 JG FIR-L JG FIR-L EMLOCK B FIR-L 68.1 1.0 JG FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.%	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9	1	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412 16,637	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS	REQ. 10  33  REQ. 10  16  REQ.	INF. POP.  14  INF. POP.  15  7  INF. POP.
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL SD: WHE NOB TOT CL SD: WHE SD: DOU WHE SD: DOU WHE	68.1 1.0 JG FIR-L JG FIR-L EMLOCK- 8 FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L GAL 68.1 1.0 JG FIR-L JG FIR-L GAL 68.1 1.0 JG FIR-L JG FIR-T EMLOCK	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3	1	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412  16,637  4,963	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS	REQ. 10  33  REQ. 10  16  REQ.	INF. POP.  15  14  INF. POP.  15  INF. POP.
CL SD: DOU WHE NOB TOT	68.1 1.0 JG FIR-L JG FIR-L EMLOCK- B FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L GAL 68.1 1.0 JG FIR-L GAL 68.1 1.0 JG FIR-L GAL 68.1 1.0 JG FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3 43.6	J	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412  16,637  4,963  359	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS	REQ. 10  33  REQ. 10  16  REQ.	INF. POP.  14  INF. POP.  15  7  INF. POP.
CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT	68.1 1.0 JG FIR-L JG FIR-L EMLOCK S FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L TAL 68.1 1.0 JG FIR-L TAL 68.1 1.0 JG FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4 39.8	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3	J	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412  16,637  4,963  359  52,906	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636 56,057	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187 913 59,208	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS  5	REQ. 10  33  REQ. 10  16  REQ. 10	INF. POP.  14  INF. POP.  15  7  INF. POP.  15
CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT	68.1 1.0 JG FIR-L JG FIR-L EMLOCK B FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L FAL 68.1 1.0 JG FIR-L 68.1 1.0 JG FIR-L GAL 68.1	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3 43.6	]	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412  16,637  4,963  359  52,906	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187 913 59,208	#	FOF PLOTS  130 FOF PLOTS  5  65 FOF PLOTS  5	REQ. 10  33  REQ. 10  16  REQ. 10	INF. POP.  14  INF. POP.  15  7  INF. POP.  15
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL SD:	68.1 1.0 JG FIR-L JG FIR-L EMLOCK B FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L GAL 68.1 1.0 JG FIR-L 68.1 1.0 JG FIR-L GAL 68.1 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L GAL 68.1	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4 39.8 COEFF	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3 43.6 5.6	]	TREES.  LOW  34  41  20  1  103  BASAL  LOW  122  83  35  2  257  NET BI  LOW  28,412  16,637  4,963  359  52,906  NET CI	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636 56,057 UFT FT/A	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187 913 59,208	#	FOF PLOTS  130 FOF PLOTS  65 FOF PLOTS  5	REQ. 10  33  REQ. 10  16  REQ. 10	INF. POP.  15  17  INF. POP.  15  INF. POP.  15
CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL SD: CL SD: DOU CL SD: DOU WHE NOB TOT CL SD: DOU WHE NOB TOT CL SD: DOU DOU WHE NOB TOT CL SD: DOU DOU WHE NOB TOT DOU WHE NOB TOT DOU WHE NOB TOT CL SD: DOU DOU WHE NOB TOT CL SD:	68.1 1.0 JG FIR-L JG FIR-L EMLOCK- B FIR-L 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L GAL 68.1 1.0 JG FIR-L GAL 68.1 1.0 JG FIR-L GAL 68.1 1.0 JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L JG FIR-L 1.0 JG FIR-L 1.0 JG FIR-L 1.0 JG FIR-L 1.0 68.1 1.0	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4 39.8 COEFF VAR.%	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.%  5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3 43.6 5.6  S.E.%	]	TREES.  LOW  34 41 20 1 103  BASAL  LOW  122 83 35 2 257  NET BI  LOW  28,412 16,637 4,963 359 52,906  NET COLOW	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636 56,057 UFT FT/A AVG	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187 913 59,208  ACRE HIGH	#	FOF PLOTS  130 FOF PLOTS  65 FOF PLOTS  5	REQ. 10  33  REQ. 10  16  REQ. 10	INF. POP.  15  17  INF. POP.  15  INF. POP.  15
CL SD: DOU WHE NOB TOT  CL SD: DOU WHE NOB TOT  CL SD: DOU DOU WHE SD: DOU DOU WHE NOB TOT  CL SD: DOU DOU WHE NOB TOT  CL SD: DOU DOU WHE NOB TOT  CL DOU DOU WHE NOB TOT  CL DOU DOU WHE NOB TOT  CL DOU	68.1 1.0 JG FIR-L JG FIR-L 68.1 1.0 JG FIR-L 68.1 1.0 JG FIR-L FAL 68.1 1.0 JG FIR-L GRAL 68.1 1.0 JG FIR-L	-L	COEFF VAR.% 51.9 92.7 176.4 327.1 57.1 COEFF VAR.% 42.1 91.0 141.4 303.0 40.5 COEFF VAR.% 42.7 91.6 129.6 308.4 39.8 COEFF VAR.%	S.E.%  7.3 13.1 24.9 46.2 8.1  S.E.% 5.9 12.9 20.0 42.8 5.7  S.E.% 6.0 12.9 18.3 43.6 5.6  S.E.% 5.9	]	TREES. LOW  34 41 20 1 103  BASAL LOW  122 83 35 2 257  NET BI LOW 28,412 16,637 4,963 359 52,906  NET CU LOW 5,834	ACRE AVG 37 47 27 1 112 AREA/A AVG 130 95 44 4 273 F/ACRE AVG 30,235 19,112 6,075 636 56,057 UFT FT/A AVG 6,202	HIGH  40 54 33 2 121  CCRE HIGH  137 107 53 6 288  HIGH  32,057 21,587 7,187 913 59,208  ACRE HIGH 6,570	#	FOF PLOTS  130 FOF PLOTS  65 FOF PLOTS  5	REQ. 10  33  REQ. 10  16  REQ. 10	INF. POP.  15  17  INF. POP.  15  INF. POP.  15

TC PS	ΓATS					PAGE DATE	2 11/5/2012				
TWP	RGE	SC	TRACT	TYP	E	A	CRES	<b>PLOTS</b>	TREES	CuFt	BdFt
03N	06	13	001	A1			227.00	50	341	S	W
CL	68.1		COEFF		NET	CUFT FT/	ACRE		# OF PLO	TS REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
тот	AL		40.8	5.8	11,041	11,715	12,390		66	17	7

TC I	PSPC	STGR		Sp	ecies, S	Sort G	rade - Boar	d Fo	ot Vo	olume	es (P	rojeci	t)							
T03	N R	06W S13	TyA1	22	27.00		Project:	LC		EAD							Page Date	11	1 /5/20	12
							Acres		227.0	)0							Time	2:	:36:5	9PM
			%					Per	cent of	Net Bo	oard Fo	oot Vol	ime					ige Lo	g	Logs
	S	So Gr	Net	Bd. Ft	. per Acre		Total	I	Log Sca	ale Dia.			Log L	ength			Dia	Bd	CF/	Per
Spp	The second secon					Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF	F L CU															3	21		0.00	2.5
DF		2M	87		26,303	26,303	5,971		0	39	60	1	2	0	97	5.00	16	432		60.8
DF	L	3M	11		3,388	3,388	769		87	7	6	8	1	20	71	36	8	103	0.80	32.9
DF	L	4M	2		544	544	123	2	98			25	70	5		22	6	28	0.44	19.1
DF	Tota	als	54		30,235	30,235	6,863	0	12	35	53	2	3	2	92	35	12	262	1.55	115.3
DF	Т	CU														100	15		0.00	7.3
DF	T	2M	67	.2	12,944	12,924	2,934			72	28	2	4	4	90	(-0)	14	288		44.9
DF	T	3M	29	.1	5,484	5,476	1,243		99	1		1	2	15	81	37	8	100		54.8
DF	T	4M	4		711	711	161		93		7	50	50			19	6	24	0.36	29.0
DF	Tota	als	34	.1	19,139	19,112	4,338		32	49	19	4	5	7	84	32	10	140	0.96	136.0
							007				4.4				100	40	16	136	2.12	10.1
WH		2M	72		4,392	4,392	997		81	56 19	44				100	39	8		0.62	16.6
WH	L	3M	28		1,683	1,683	382	-	81	19		_				_				
WH	To	tals	11		6,075	6,075	1,379		22	46	32				100	39	11	228	1.20	26.7
NF	L	2M	100		636	636	144			14	86				100	40	18	591	2.68	1.1
NF	NF Totals 1 636						144			14	86				100	40	18	591	2.68	1.1
Tota	als			0.0	56,085	56,057	12,725	0	20	41	40	3	3	4	90	34	11	201	1.25	279.0

Log Stock Table - MBF TC PLOGSTVB Page 227.00 Project: LOUSHEAD T03N R06W S13 TyA1 11/5/2012 Date Acres 227.00 Time 2:36:58PM Net Volume by Scaling Diameter in Inches % So Gr Log Def Net Gross 20-23 24-29 30-39 40+ 14-15 16-19 10-11 12-13 **MBF** 2-3 4-5 T rt de Len **MBF** % Spc Spp 26 45 70 1.0 16 70 L 2M DF 104 104 104 1.5 30 L 2M DF 32 8 .1 L DF 2M 332 1181 2007 1560 5,789 22 686 84.3 L 40 5,789 DF 2M 45 .7 45 16 45 L 3M DF 13 3 16 .2 16 20 DF L 3M 6 .1 22 6 DF L 3M 19 18 48 85 1.2 32 85 DF L 3M 69 69 1.0 69 L 34 DF 3M 63 .9 63 63 L 36 DF 3M 40 40 .6 38 40 DF L 3M 55 30 340 445 445 6.5 20 40 L DF 3M 3 3 .0 4M 12 3 DF L 3 16 16 19 19 .3 DF L 4M 2 2 .0 DF L 4M 18 2 7 7 .1 7 20 DF L 4M 23 23 .3 22 23 L 4M DF 35 .5 35 24 35 DF L 4M .0 1 28 1 DF L 4M 27 27 .4 30 27 DF L 4M 6 .1 34 6 DF L 4M 1753 332 694 1181 2087 3 332 67 413 6,863 53.9 Totals 6,863 DF 23 23 23 .5 12 T DF 2M21 .5 21 T 14 21 DF 2M13 13 .3 T 16 13 DF 2M 15 15 .3 18 15 DF T 2M 19 12 .7 31 T 22 31 2M DF 21 21 21 .5 24 DF T 2M 20 17 36 .8 26 36 T 2M DF 19 19 .4 28 19 DF T 2M 15 .4 15 30 15 DF T 2M 47 21 24 32 91 91 2.1 T 2M DF 12 .3 T 2M 34 12 12 DF 12 12 .3 12 DF T 2M 36 53 53 1.2 38 53 DF T 2M 718 781 1070 40 2,574 2,569 59.2 Т DF 2M

 TC PLOGSTVB
 Log Stock Table - MBF

 T03N R06W S13 TyA1
 227.00
 Project: LOUSHEAD Acres
 Date 11/5/2012 Time 2:36:58PM

	s	So Gr	Log	Gross	Def Net	%	Net Volume by Scaling Diameter in Inches											
Spp	T	rt de		MBF	% MBF	Spc	2-3	4-5	6-7	8-9	10-11 1	2-13	14-15	16-19	20-23	24-29	30-39	40+
OF	Т	3N	1 20	18	18	.4							18					
)F	Т	3N	1 22	3	3	.1				3								
)F	Т	3N	1 26	15	15	.4					15							
)F	Т	3N	1 28	11	11	.2			3	7								
OF	Т	3N	1 32	170	170	3.9			55	115								
OF	Т	3N	1 34	17	17	.4			17									
OF	Т	3N	1 36	47	47	1.1			47									
OF	Т	3N	1 38	16	16	.4			16									
DF	Т	3N	1 40	947	945	21.8			165	190	590							
OF	T	4N	1 12	21	21	.5			10						11			
DF	Т	4N	<b>1</b> 14	12	12	.3			12									
OF	Т	4N	1 16	21	21	.5			21									
DF	Т	4N	1 18	17	17	.4			17									
DF	Т	4N	1 20	8	8	.2			8									
DF	Т	4N	1 22	25	25	.6			25									
DF	T	4N	1 24	28	28	.6			28									
DF	T	4N	1 26	6	6	.1			6									
DF	Т	4N	1 28	8	8	.2			8									
DF	T	4N	1 30	15	15	.3			15									
DF		Total	S	4,345	4,338	34.1			454	316	605	906	884	1141	32			
WH	L	2N	1 40	997	997	72.3						116	344	184	167	187		
WH	L	3N	1 36	80	80	5.8			80									
WH	L	3N	1 40	302	302	21.9			33	150	47	72						
WH		Total	s	1,379	1,379	10.8			113	150	47	188	344	184	167	187		
NF	L	2N	1 40	144	144	100.0						20		28	60	36		
NF		Total	s	144	144	1.1						20		28	60	36		
Γotal		All Spec	ies	12,731	12,725	100.0		3	898	533	1065	1808	2410	3440	2012	555		

TC PSTNDSUM	Stand Table Summary	Page	1
	•	Date:	11/5/2012
T03N R06W S13 TyA1 227	Project LOUSHEAD	Time:	2:37:00PM
	Acres 227.00	Grown Year:	

							710103		227.0	O					
				Tot				Averag	e Log		Net	Net			
S		Sample	FF	Av	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.		Totals	
Spc T	DBH	Trees		Ht	Acre	Acre		Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF L	15	1	89	116	.652	.80	1.96	16.2	76.7	.90	32	150	205	72	34
DF L	18	2	87	118	.905	1.60	2.72	24.0	103.3	1.86	65	281	422	148	64
DF L	19	2	89	126	.813	1.60	2.44	27.9	130.0	1.94	68	317	440	154	72
DF L	20	4	87	117	1.467	3.20	4.40	30.8	130.0	3.86	136	572	877	308	130
DF L	21	10	88	130	3.326	8.00	9.98	37.3	180.0	10.60	372	1,796	2,405	844	408
DF L	22	7	90	131	2.121	5.60	6.36	40.7	193.8	7.38	259	1,233	1,676	588	280
DF L	23	13	88	129	3.605	10.40	10.81	44.0	203.3	13.57	476	2,199	3,081	1,081	499
DF L	24	19	88		4.838	15.20	14.51	51.9	247.0	21.46	753	3,585	4,872	1,709	814
DF L	25	11	87		2.582	8.80	8.68	48.2	239.7	11.93	419	2,082	2,708	950	473
DF L	26	12	88		2.604	9.60	8.03	55.0	260.5	12.59	442	2,092	2,858	1,003	475
DF L	27	19	88	NAME OF STREET	3.823	15.20	12.68	59.6	300.8	21.53	756	3,813	4,888	1,715	866
DF L	28	18	87		3.368	14.40	10.10	69.0	342.2	19.86	697	3,457	4,508	1,582	785
DF L	29	7	90		1.221	5.60	3.66	76.3	391.0	7.97	280	1,432	1,809	635	325
DF L	30	14	88		2.282	11.20	6.84	78.9	390.0	15.39	540	2,670	3,494	1,226	606
DF L	31	7	88	0.000	1.068	5.60	3.21	84.2	416.7	7.69	270	1,336	1,745	612	303
DF L	32	5	88		.716	4.00	2.15	92.3	466.7	5.65	198	1,003	1,283	450	228
DF L	33	5	89		.673	4.00	2.02	100.7	510.0	5.80	203	1,030	1,316	462	234
DF L	34	5	87	C.101 000	.634	4.00	1.90	103.2	510.0	5.60	196	971	1,271	446 93	220 49
DF L	36	1	90	139	.113	.80	.34	121.0	640.0	1.17	41	217	266	6.5	
DF L	Totals	162	88	133	36.811	129.60	112.80	55.0	268.0	176.75	6,202	30,235	40,123	14,078	6,863
DF T	10	1	89	92	1.467	.80	2.93	7.3	40.0	.61	21	117	138	49	
DF T	11	2	87	97	2.424	1.60	4.85	9.4	42.5	1.30	46	206	295	103	47
DF T	14	3	88	113	2.245	2.40	4.49	18.7	83.3	2.39	84	374	543	190	
DF T	15	5	87	102	3.259	4.00	7.17	19.4	84.5	3.96	139	606	898	315	138
DF T	16	9	89	116	5.157	7.20	12.03	23.6	105.7	8.09	284	1,272	1,837	645	289
DF T	17	6	88	900000000000000000000000000000000000000	3.045	4.80	7.61	24.7	105.3	5.35	188	802	1,215	426	
DF T	18	14	89		6.338	11.20	16.75	27.1	119.2	12.93	454	1,996	2,935	1,030	
DF T	19	8	89		3.250	6.40	10.16	28.0	126.8	8.10	284	1,288	1,839	645	
DF T	20	11	89		4.034	8.80	12.83	29.9	134.6	10.95	384	1,727	2,485	872	
DF T	21	11	88		3.659	8.80	10.98	37.3	180.0	11.67	410	1,976	2,650	930	
DF T	22	8	89		2.424	6.40	7.58	39.5	186.4	8.53	299	1,412	1,936	679	
DF T	23	11	88		3.050	8.80	9.15	44.9	206.1	11.71	411	1,885	2,658	933	
DF T	24	13	88		3.310	10.40	10.44	47.8	227.3	14.22	499	2,373	3,228	1,133 527	539 255
DF T	25	6	89		1.408	4.80	4.46	52.1	251.6 268.3	6.62	232 373	1,122 1,747	1,503 2,416	848	
DF T	26	10 1		130 145	2.170	8.00	6.51	57.4 48.1	257.5	10.64 1.10	39	207	251	88	
DF T	27													9,413	
DF T	Totals	119	88		47.442		128.75	32.2	148.4	118.18	4,147	19,112	26,826		
WHL	10	4	87		5.867	3.20	5.87	11.5	60.0	2.16	67	352	490	153 94	
WHL	11	2	87		2.424	1.60	2.42	17.1	60.0	1.33	42	145	302		
WHL	13	1	92		.868	.80	.87	22.7	90.0	.63	20	78	143	45	
WHL	14	3	88		2.245	2.40	2.25	30.2	120.0	1	68	269	493 632	154 198	
WHL	15	4	88		2.608	3.20	2.61	33.4	120.0	1	87	313	314	98	
WHL	16	2	93		1.146	1.60	1.15	37.7	180.0	1.38	43	206		50	
WH L	17	1	92		.508	.80		43.6	200.0	.71	22 97	102 435	161 707	221	
WHL	18	4	87		1.811	3.20	1.81	53.8	240.0 240.0	3.12 2.26		293	512	160	
WHL	19	3	87		1.219	2.40	1.22	57.8 60.8	290.0	1		532	809	253	
WHL	20	5	93		1.833	4.00	1.83 2.73		360.0			982	1,532	479	
WHL	22	9	88		2.727 1.109	7.20 3.20		85.6	400.0			444	690	216	
WHL	23	4	88 88		.235	.80		103.5	530.0			124	176	55	
WHL	25 26	1 2	93		.434	1.60		111.8	700.0	1		304	352	110	
WHL	27	2		120	.402	1.60			600.0	U 00 A			348	109	
WHL	27		0/	124	.402	1.00	.40	110.9	000.0	1.33	70	271	L 510	107	

TC 1	PSTNDSI	ЈМ				\$	Stand	Table	Page Date:						
T03N	R06W S	S13 TyA1		227.00	)		Projec	t L	Time:	2:37:0	0PM				
							Acres		Grown Year	:					
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Averag Net Cu.Ft.	ge Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Γotals Cunits	MBF
WHL	28	1	87	124	.187	.80	.19	129.2	700.0	.77	24	131	176	55	30
WHL	29	1	93	128	.174	.80	.17	138.3	840.0	.77	24	147	175	55	33
WHL	30	1	93	131	.163	.80	.16	149.4	940.0	.78	24	153	177	55	35
WHL	31	2	93	135	.305	1.60	.31	161.0	1010.0	1.57	49	308	357	112	70
WHL	33	1	94	143	.135	.80	.13	185.4	1250.0	.80	25	168	181	57	38
WH L	34	2	93	146	.254	1.60	.25	198.3	1370.0	1.61	50	348	366	114	79
WH L	Totals	55	89	94	26.655	44.00	26.65	47.0	227.9	40.06	1,252	6,075	9,093	2,842	1,379
NF L	20	1	91	92	.367	.80	.37	57.8	240.0	.51	21	88	115	48	20
NF L	25	1	90	115	.235	.80	.23	98.2	530.0	.55	23	124	126	52	28
NF L	29	2	87	133	.349	1.60	.35	133.6	760.0	1.12	47	265	254	106	60
NF L	34	1	90	151	.127	.80	.13	192.5	1250.0	.59	24	159	133	55	36
NF L	Totals	5	89	117	1.077	4.00	1.08	107.0	590.6	2.77	115	636	628	262	144
Totals		341	88	119	111.985	272.80	269.27	43.5	208.2	337.75	11,715	56,057	76,670	26,594	12,725

