



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Lou's Stew
Sale FG-341-2023-W00944-01

District: Forest Grove

Date: November 21, 2022

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,888,187.76	\$0.00	\$1,888,187.76
		Project Work:	(\$201,571.00)
		Advertised Value:	\$1,686,616.76



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Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	13	0	98

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	56	3,265	3,321
Total	56	3,265	3,321

Comments: Pond Values Used: Local Pond Values, August 2022.

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
 $\$955.95/\text{MBF} = \$1,302/\text{MBF} - \$346.05/\text{MBF}$

Western hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
 $\$316.95/\text{MBF} = \$663/\text{MBF} - \$346.05/\text{MBF}$

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
 $\$353.95/\text{MBF} = \$700/\text{MBF} - \$346.05/\text{MBF}$

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$5.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$1,200 daily truck cost.

Other Costs (with Profit & Risk to be added):
None

Other Costs (No Profit & Risk added):
Machine Time to Block/Waterbar Roads, and Skid Trails:
 $30 \text{ hours} \times \$150/\text{hour} = \$4,500$
Machine Time to Pile Landing Slash & Sort Firewood:
 $15 \text{ hours} \times \$150/\text{hour} = \$2,250$
Equipment Cleaning: 3 pieces $\times \$1,000/\text{Piece} = \$3,000$
TOTAL Other Costs (No Profit & Risk added) = \$9,750

SLASH TREATMENT: 40 acres $\times \$250/\text{acre} = \$10,000$

ROAD MAINTENANCE (Includes: Move-in, Grading, Rolling and Spot Rocking)
Move-in: \$3,800.91
General Road Maint: 17.00 miles $\times \$2,186.56 = \$37,171.52$
Total Road Maintenance: $\$40,972.43 / 3,321 \text{ MBF} = \$12.34 / \text{MBF}$



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Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
Logging System: Shovel		Process: Harvester Head Delimbing
yarding distance: Medium (800 ft)		downhill yarding: No
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF		
loads / day: 8		bd. ft / load: 3700
cost / mbf: \$180.54		
machines: Forwarder		
	Harvester	



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Logging Costs

Operating Seasons: 3.00	Profit Risk: 10%
Project Costs: \$201,571.00	Other Costs (P/R): \$0.00
Slash Disposal: \$10,000.00	Other Costs: \$9,750.00

Miles of Road

Road Maintenance: \$12.34

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	3.7



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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$180.54	\$12.59	\$3.96	\$110.27	\$0.00	\$30.74	\$3.01	\$2.00	\$2.94	\$346.05

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$914.61	\$568.56	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,321	\$568.56	\$1,888,187.76

Gross Timber Sale Value

Recovery: \$1,888,187.76

Prepared By: MARK SAVAGE

Phone: 503-359-7437

TIMBER SALE SUMMARY
Lou's Stew
#FG-341-2023-W00944-01

1. **Location:** Portions of Sections 19, 29, 30 & 32, T3N, R5W, W.M., Washington County, OR. Portions of Sections 11, 12, 13, 14 & 24, T3N, R6W, W.M., Tillamook County, OR.
2. **Type of Sale:** This timber sale is 238 acres. The Timber Sale Area is comprised of five Partial Cut Units, one Modified Clearcut Unit, and one Right-of-Way Unit. Unit 1 (PC-L) is 49 acres, Unit 2 (PC-M) is 66 acres, Unit 3 (MC) is 53 acres, Unit 4 (PC-M) is 23 acres, Unit 5 (PC-M) is 17 acres, Unit 6 (PC-L) is 22 acres, and Unit 7 (R/W) is 8 acres. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF; 86% Tillamook County (Tax Code 5601), and 14% Washington County.
4. **Sale Acreage:** Acres are net of stream buffers and existing road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The Timber Sale was cruised by ODF Cruisers Adrian Torres, Kenton Burns, and Mark Savage in September of 2022. For more information see Cruise Report.
6. **Timber Description:** The Timber Sale Area consists of 37 to 48-year-old Douglas-fir timber with minor amounts of red alder and western hemlock. The following table summarizes the ODF cruise estimates for trees to be harvested.

Sale Unit	Net Acres	Average DBH	Trees/Acre	Net MBF/Acre
Unit 1	49	13	120	12.3
Unit 2	66	13	138	13.0
Unit 3	53	13	211	21.3
Unit 4	23	13	70	7.8
Unit 5	17	12	101	8.2
Unit 6	22	12	104	10.0
Unit 7	8	*	*	*

* = see the Cruise Report

7. **Topography and Logging Method:** Slopes within the sale areas range from 5% to 50% and are variable in aspect. Elevations range from 1,050 to 2,250 feet. The Timber Sale Area is 100% ground-based yarding. The average horizontal skid trail length is approximately 300 feet and the maximum is approximately 900 feet.
8. **Access:** All access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 8 to its junction with Highway 6. Turn left and travel west approximately 3.5 miles to Timber Road. Turn right and proceed north on Timber Road approximately 6.5 miles. To access Unit 6 and Unit 7, turn left onto Cochran Road. Continue on Cochran Road approximately 2.2 miles to Carlson Creek Road. Turn right on Carlson Creek Road and proceed for approximately 400 feet to access the southern portion of Unit 7. Continue on Carlson Creek Road for an additional 1.2 miles to access the southern portion of Unit 6. To access Unit 1 through Unit 5, continue on Timber Road for 3 miles. Turn left onto Highway 26 and proceed for 6 miles to Salmonberry Road. Turn left onto Salmonberry Road and proceed for 1.2 miles. Turn left onto Section 10 Road and proceed for 1.9 miles. To access Unit 1, turn left onto George Creek Road and proceed for 0.2 miles to access the southern portion. To access Unit 2 through Unit 5, continue on Section 10 Road for 0.2 miles to the junction with Wheeler Road. Turn left on Wheeler Road and proceed for 0.1 miles to North Lousignont Road. To access Unit 2 and Unit 3, turn left onto North Lousignont Road and proceed for 1.4 miles to access the eastern portion of Unit 2 and Unit 3. To access Unit 4 and Unit 5 continue on Wheeler Road for 1.5 miles to South Lousignont Road. Turn left on South Lousignont and proceed for 0.2 miles to access the northern portion of Unit 4. To access Unit 5, proceed on South Lousignont Road for an additional 1.2 miles. Turn left onto an unnamed spur road and proceed for 150 feet to access the southern portion of Unit 5.
9. **Projects:**

Project No. 1: Rocked Road Construction	\$55,412.02
Project No. 1: Dirt Road Construction	\$31,708.64
Project No. 1: Road Improvement	\$104,302.64
Project No. 4: Road Vacating and Blocking	\$10,147.70
Fuel Allowance Adjustment (10%)	\$18,324.64
Total Credits:	\$201,571.00

PROJECT COST SUMMARY SHEET

Timber Sale: Lous Stew
Sale Number: FG-341-2023-W00944-01

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

Road Segment	Length	Cost
B to C	21+40	\$48,321.18
	21+40 stations	
	0.41 miles	
Total Rock =		
663 cy	1½" - 0	
785 cy	3" - 0	
	Move-in =	\$2,053.38

TOTAL PROJECT COST = \$50,374.56**TOTAL PROJECT COST WITH 10% FUEL ADJUSTMENT = \$55,412.02****PROJECT NO. 2: DIRT ROAD CONSTRUCTION**

Road Segment	Length	Cost
E to F	16+80	\$10,630.81
K to L	27+00	\$12,342.15
R to S	12+30	\$4,678.06
	56+10 stations	
	1.06 miles	
	Move-in =	\$1,175.02

TOTAL PROJECT COST = \$28,826.04**TOTAL PROJECT COST WITH 10% FUEL ADJUSTMENT = \$31,708.64****PROJECT NO. 3: ROAD IMPROVEMENT**

Road Segment	Length	Cost
A to B	2+00	\$3,240.63
C to D	65+00	\$47,545.20
G to H	12+00	\$3,841.65
I to J	75+70	\$16,532.06
M to N	53+60	\$3,661.96
O to P	25+70	\$7,214.60
Q to R	30+00	\$8,919.37
	264+00 stations	
	5.00 miles	
Total Rock =		
1,209 cy	1½" - 0	
449 cy	3" - 0	
	Move-in =	\$3,865.11

TOTAL PROJECT COST = \$94,820.58**TOTAL PROJECT COST WITH 10% FUEL ADJUSTMENT = \$104,302.64****PROJECT NO. 4: ROAD VACATING AND BLOCKING**

Road Segment	Length	Cost
V 1 to V2	18+60	\$2,428.00
V3 to V4	2+00	\$390.75
E to F	16+80	\$1,154.13
K to L	27+00	\$1,781.25
G to H	12+00	\$281.00
R to S	12+30	\$892.75
	88+70 stations	
	1.68 miles	
	Move-in =	\$2,297.31

TOTAL PROJECT COST = \$9,225.19**TOTAL PROJECT COST WITH 10% FUEL ADJUSTMENT = \$10,147.70****TOTAL CREDITS = \$183,246.37****10% FUEL ALLOWANCE ADJUSTMENT TOTAL = \$18,324.64****TOTAL CREDITS WITH ADJUSTMENT = \$201,571.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
 Road Segment: A to B

Sale Number: FG-341-2023-W00944-01
 Improvement: 2+00 stations
0.04 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Clearing & grubbing (scatter)	0.03	ac @	\$1,078.00	per acre =	\$32.34
Clean ditch & scatter waste material	2.00	sta @	\$60.00	per sta =	\$120.00
Remove existing culverts	1	ea @	\$150.00	per ea =	\$150.00
Improve turnout	1	ea @	\$33.00	per ea =	\$33.00
Grade, ditch, & roll	2.00	sta @	\$36.00	per sta =	\$72.00

TOTAL IMPROVEMENT COSTS = \$407.34

CULVERTS

Culverts and Bands					
18" Diameter	40	LF @	\$20.00	per LF =	\$800.00
Markers & Stakes					
Culvert markers	1	ea @	\$10.00	per ea =	\$10.00

TOTAL CULVERT COSTS = \$810.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	\$10.92	\$11.23	\$0.50	24	\$543.60
Subtotal =					24	\$543.60
Surfacing rock						
Surfacing Rock	1½" - 0	\$10.92	\$11.23	\$1.22	62	\$1,448.94
Subtotal =					62	\$1,448.94

Totals

All Rock =	86
1½" - 0	86

TOTAL ROCK COSTS = \$1,992.54

EROSION CONTROL

Grass seed & fertilizer	0.03	ac @	\$425.00	per ac =	\$12.75
Straw mulch acre	0.03	ac @	\$600.00	per ac =	\$18.00

TOTAL EROSION CONTROL COSTS = \$30.75

TOTAL PROJECT COST = \$3,240.63

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
 Road Segment: B to C

Sale Number: FG-341-2023-W00944-01
 Construction: 21+40 stations
0.41 miles

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

CONSTRUCTION

Clearing & grubbing (scatter)	2.46	ac @	\$1,078.00	per ac =	\$2,651.88
Balanced road construction	21.40	sta @	\$110.00	per sta =	\$2,354.00
Turnout	2	ea @	\$66.00	per ea =	\$132.00
Grade, ditch, & roll	21.40	sta @	\$36.00	per sta =	\$770.40

TOTAL CONSTRUCTION COSTS = \$5,908.28

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	\$10.62	\$11.70	\$1.22	727	\$17,113.58
Surfacing rock	1½" - 0	\$10.92	\$11.70	\$1.22	663	\$22,581.00
Turnout	3" - 0	\$10.62	\$11.70	\$1.22	58	\$1,365.32
Subtotal =					1,448	\$41,059.90

Totals

All Rock =	1,448
1½" - 0	663
3" - 0	785

TOTAL ROCK COSTS = \$41,059.90

EROSION CONTROL

Grass seed & fertilizer	1.23	ac @	\$500.00	per ac =	\$615.00
Straw mulch (acre)	1.23	ac @	\$600.00	per ac =	\$738.00

TOTAL EROSION CONTROL COSTS = \$1,353.00

TOTAL PROJECT COST = \$48,321.18

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: C to D

Sale Number: FG-341-2023-W00944-01
Improvement: 65+00 stations
1.23 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Clearing & grubbing (scatter)	7.41	ac @	\$1,078.00	per acre =	\$7,987.98
Vacate junction	0.06	ac @	\$1,500.00	per acre =	\$90.00
Clean ditch & scatter waste material	20.00	sta @	\$60.00	per sta =	\$1,200.00
Clean culvert inlet & outlet, scatter waste	8	ea @	\$25.00	per ea =	\$200.00
Remove existing culverts	1	ea @	\$150.00	per ea =	\$150.00
Construct settling pond	14	ea @	\$25.00	per ea =	\$350.00
Improve turnout	5	ea @	\$33.00	per ea =	\$165.00
Grade, ditch, & roll	65.00	sta @	\$36.00	per sta =	\$2,340.00

TOTAL IMPROVEMENT COSTS = \$12,482.98

CULVERTS

Culverts and Bands					
18" Diameter	30	LF @	\$20.00	per LF =	\$600.00
Markers & Stakes					
Culvert markers	2	ea @	\$10.00	per ea =	\$20.00

TOTAL CULVERT COSTS = \$620.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	\$10.92	\$12.85	\$0.50	24	\$582.48
Subtotal =					24	\$582.48
Surfacing rock						
Surfacing rock	1½" - 0	\$10.92	\$12.85	\$1.22	975	\$24,365.25
Junction	1½" - 0	\$10.92	\$12.85	\$1.22	48	\$1,199.52
Turnout	1½" - 0	\$10.92	\$12.85	\$1.22	28	\$699.72
Subtotal =					1,051	\$26,264.49

Totals	All Rock =	1,075
	1½" - 0	1,075

TOTAL ROCK COSTS = \$26,846.97

EROSION CONTROL

Grass seed & fertilizer	7.41	ac @	\$425.00	per ac =	\$3,149.25
Straw mulch acre	7.41	ac @	\$600.00	per ac =	\$4,446.00

TOTAL EROSION CONTROL COSTS = \$7,595.25

TOTAL PROJECT COST = \$47,545.20

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: E to F

Sale Number: FG-341-2023-W00944-01
Construction: 16+80 stations
0.32 miles

PROJECT NO. 2: DIRT ROAD CONSTRUCTION

CONSTRUCTION

Clearing & grubbing (scatter)	1.93	ac @	\$1,078.00	per ac =	\$2,080.54
Balanced road construction	16.80	sta @	\$110.00	per sta =	\$1,848.00
Turnout	1	ea @	\$66.00	per ea =	\$66.00
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	16.80	sta @	\$36.00	per sta =	\$604.80

TOTAL CONSTRUCTION COSTS = \$4,995.84

CULVERTS

Culverts and Bands					
18" Diameter	70	LF @	\$20.00	per LF =	\$1,400.00
Markers & Stakes					
Culvert markers	2	ea @	\$10.00	per ea =	\$20.00

TOTAL CULVERT COSTS = \$1,420.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Subgrade reinforcement	3" - 0	\$10.62	\$12.85	\$0.75	120	\$2,906.40
				Subtotal =	120	\$2,906.40
Surfacing rock						
Base rock	3" - 0	\$10.62	\$12.85	\$1.22	53	\$1,308.57
				Subtotal =	53	\$1,308.57

Totals	All Rock =	173
	3" - 0	173

TOTAL ROCK COSTS = \$4,214.97

TOTAL PROJECT COST = \$10,630.81

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	1	ea @	\$55.00	per ea =	\$55.00
Construct waterbar	4	ea @	\$27.50	per ea =	\$110.00
Grass seed & fertilizer	0.97	ac @	\$425.00	per ac =	\$410.13
Mulch	0.97	ac @	\$600.00	per ac =	\$579.00

TOTAL PROJECT COST = \$1,154.13

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: G to H

Sale Number: FG-341-2023-W00944-01
Improvement: 12+00 stations
0.23 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Road improvement	12.00	sta @	\$110.00	per sta =	\$1,320.00
Clearing & grubbing (scatter)	0.14	ac @	\$1,078.00	per acre =	\$150.92
Clean ditch & scatter waste material	12.00	sta @	\$60.00	per sta =	\$720.00
Clean culvert inlet & outlet, scatter waste	1	ea @	\$25.00	per ea =	\$25.00
Improve turnout	1	ea @	\$33.00	per ea =	\$33.00
Improve turnaround	1	ea @	\$41.25	per ea =	\$41.25
Improve landing	1	ea @	\$157.00	per ea =	\$157.00
Grade, ditch, & roll	12.00	sta @	\$36.00	per sta =	\$432.00

TOTAL IMPROVEMENT COSTS = \$2,879.17

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	\$10.62	\$6.32	\$1.22	53	\$962.48
				Subtotal =	53	\$962.48

Totals	All Rock =	53
	3" - 0	53

TOTAL ROCK COSTS = \$962.48

TOTAL PROJECT COST = \$3,841.65

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	1	ea @	\$55.00	per ea =	\$55.00
Construct waterbar	3	ea @	\$27.50	per ea =	\$82.50
Grass seed & fertilizer	0.14	ac @	\$425.00	per ac =	\$59.50
Mulch	0.14	ac @	\$600.00	per ac =	\$84.00

TOTAL PROJECT COST = \$281.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: I to J

Sale Number: FG-341-2023-W00944-01
Improvement: 75+70 stations
1.43 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Road improvement	75.70	sta @	\$110.00	per sta =	\$8,327.00
Clearing & grubbing (scatter)	0.87	ac @	\$1,078.00	per acre =	\$937.86
Clean ditch & scatter waste material	75.70	sta @	\$60.00	per sta =	\$4,542.00
Grade, ditch, & roll	75.70	sta @	\$36.00	per sta =	\$2,725.20

TOTAL IMPROVEMENT COSTS = \$16,532.06

TOTAL PROJECT COST = \$16,532.06

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: K to L

Sale Number: FG-341-2023-W00944-01
Construction: 27+00 stations
0.51 miles

PROJECT NO. 2: DIRT ROAD CONSTRUCTION

CONSTRUCTION

Clearing & grubbing (scatter)	3.10	ac @	\$1,078.00	per ac =	\$3,341.80
Balanced road construction	27.00	sta @	\$110.00	per sta =	\$2,970.00
Construct settling pond	6	ea @	\$25.00	per ea =	\$150.00
Turnout	1	ea @	\$66.00	per ea =	\$66.00
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	27.00	sta @	\$36.00	per sta =	\$972.00

TOTAL CONSTRUCTION COSTS = \$7,896.30

CULVERTS

Culverts and Bands					
18" Diameter	40	LF @	\$20.00	per LF =	\$800.00
24" Diameter	80	LF @	\$29.00	per LF =	\$2,320.00
Markers & Stakes					
Culvert markers	3	ea @	\$10.00	per ea =	\$30.00

TOTAL CULVERT COSTS = \$3,150.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	\$10.62	\$12.61	\$1.22	53	\$1,295.85
				Subtotal =	53	\$1,295.85

Totals

All Rock =	53
3" - 0	53

TOTAL ROCK COSTS = \$1,295.85

TOTAL PROJECT COST = \$12,342.15

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	1	ea @	\$55.00	per ea =	\$55.00
Construct waterbar	5	ea @	\$27.50	per ea =	\$137.50
Grass seed & fertilizer	1.55	ac @	\$425.00	per ac =	\$658.75
Mulch	1.55	ac @	\$600.00	per ac =	\$930.00

TOTAL PROJECT COST = \$1,781.25

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
 Road Segment: M to N

Sale Number: FG-341-2023-W00944-01
 Improvement: 53+60 stations
1.02 miles

PROJECT NO. 3: ROAD IMPROVEMENTIMPROVEMENT

Clearing & grubbing (scatter)	0.62	ac @	\$1,078.00	per acre =	\$668.36
Clean culvert inlet & outlet, scatter waste	8	ea @	\$25.00	per ea =	\$200.00
Remove existing culverts	1	ea @	\$150.00	per ea =	\$150.00
Improve turnout	6	ea @	\$33.00	per ea =	\$198.00
Improve turnaround	1	ea @	\$41.25	per ea =	\$41.25
Improve landing	1	ea @	\$157.00	per ea =	\$157.00
Grade, ditch, & roll	53.60	sta @	\$36.00	per sta =	\$1,929.60

TOTAL IMPROVEMENT COSTS = \$3,344.21

EROSION CONTROL

Grass seed & fertilizer	0.31	ac @	\$425.00	per ac =	\$131.75
Straw mulch acre	0.31	ac @	\$600.00	per ac =	\$186.00

TOTAL EROSION CONTROL COSTS = \$317.75

TOTAL PROJECT COST = **\$3,661.96**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
 Road Segment: O to P

Sale Number: FG-341-2023-W00944-01
 Improvement: 25+70 stations
0.49 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Road improvement	25.70	sta @	\$110.00	per sta =	\$2,827.00
Clearing & grubbing (scatter)	0.30	ac @	\$1,078.00	per acre =	\$323.40
Clean ditch & scatter waste material	25.70	sta @	\$60.00	per sta =	\$1,542.00
Clean culvert inlet & outlet, scatter waste	3	ea @	\$25.00	per ea =	\$75.00
Construct settling pond	4	ea @	\$25.00	per ea =	\$100.00
Improve turnout	2	ea @	\$33.00	per ea =	\$66.00
Improve turnaround	1	ea @	\$41.25	per ea =	\$41.25
Improve landing	1	ea @	\$157.00	per ea =	\$157.00
Grade, ditch, & roll	25.70	sta @	\$36.00	per sta =	\$925.20

TOTAL IMPROVEMENT COSTS = \$6,056.85

GATE INSTALL

Construction of posts	1	ea @	\$500.00	per ea =	\$500.00
Gate	1	ea @	\$220.00	per ea =	\$220.00
Post and gate install	1	ea @	\$274.00	per ea =	\$274.00

TOTAL GATE COSTS = \$994.00

CULVERTS

Markers & Stakes					
Culvert markers	1	ea @	\$10.00	per ea =	\$10.00

TOTAL CULVERT COSTS = \$10.00

EROSION CONTROL

Grass seed & fertilizer	0.15	ac @	\$425.00	per ac =	\$63.75
Straw mulch acre	0.15	ac @	\$600.00	per ac =	\$90.00

TOTAL EROSION CONTROL COSTS = \$153.75

TOTAL PROJECT COST = \$7,214.60

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: Q to R

Sale Number: FG-341-2023-W00944-01
Improvement: 30+00 stations
0.57 miles

PROJECT NO. 3: ROAD IMPROVEMENT

IMPROVEMENT

Clearing & grubbing (scatter)	0.35	ac @	\$1,078.00	per acre =	\$377.30
Clean ditch & scatter waste material	5.00	sta @	\$60.00	per sta =	\$300.00
Clean culvert inlet & outlet, scatter waste	1	ea @	\$25.00	per ea =	\$25.00
Remove existing culverts	1	ea @	\$150.00	per ea =	\$150.00
Improve turnout	2	ea @	\$33.00	per ea =	\$66.00
Grade, ditch, & roll	30.00	sta @	\$36.00	per sta =	\$1,080.00

TOTAL IMPROVEMENT COSTS = \$1,998.30

CULVERTS

Culverts and Bands					
18" Diameter	60	LF @	\$20.00	per LF =	\$1,200.00
Markers & Stakes					
Culvert markers	3	ea @	\$10.00	per ea =	\$30.00

TOTAL CULVERT COSTS = \$1,230.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	\$10.92	\$4.51	\$0.50	48	\$764.64
Subgrade reinforcement	3" - 0	\$10.62	\$4.51	\$0.75	36	\$711.68
Subtotal =					84	\$1,336.32
Surfacing rock						
Spot Rock	3" - 0	\$10.92	\$4.51	\$1.22	200	\$3,330.00
Junction	3" - 0	\$10.92	\$4.51	\$1.22	12	\$199.80
Turnout	3" - 0	\$10.92	\$4.51	\$1.22	28	\$466.20
Subtotal =					240	\$3,996.00

Totals	All Rock =	324
	1½" - 0	48
	3" - 0	276

TOTAL ROCK COSTS = \$5,332.32

EROSION CONTROL

Grass seed & fertilizer	0.35	ac @	\$425.00	per ac =	\$148.75
Straw mulch acre	0.35	ac @	\$600.00	per ac =	\$210.00

TOTAL EROSION CONTROL COSTS = \$358.75

TOTAL PROJECT COST = \$8,919.37

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
 Road Segment: R to S

Sale Number: FG-341-2023-W00944-01
 Construction: 12+30 stations
0.23 miles

PROJECT NO. 2: DIRT ROAD CONSTRUCTION

CONSTRUCTION

Clearing & grubbing (scatter)	1.42	ac @	\$1,078.00	per ac =	\$1,530.76
Balanced road construction	12.30	sta @	\$110.00	per sta =	\$1,353.00
Turnaround	1	ea @	\$82.50	per ea =	\$82.50
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	12.30	sta @	\$36.00	per sta =	\$442.80

TOTAL CONSTRUCTION COSTS = \$3,723.06

CULVERTS

Culverts and Bands					
18" Diameter	30	LF @	\$20.00	per LF =	\$600.00

TOTAL CULVERT COSTS = \$600.00

EROSION CONTROL

Grass seed & fertilizer	0.71	ac @	\$500.00	per ac =	\$355.00
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TOTAL EROSION CONTROL COSTS = \$355.00

TOTAL PROJECT COST = \$4,678.06

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	1	ea @	\$55.00	per ea =	\$55.00
Construct waterbar	4	ea @	\$27.50	per ea =	\$110.00
Grass seed & fertilizer	0.71	ac @	\$425.00	per ac =	\$301.75
Mulch	0.71	ac @	\$600.00	per ac =	\$426.00

TOTAL PROJECT COST = \$892.75

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: V 1 to V2

Sale Number: FG-341-2023-W00944-01
Vacating: 18+60 stations
0.35 miles

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	2	ea @	\$55.00	per ea =	\$110.00
Rip rocked road surface	18.60	sta @	\$50.00	per sta =	\$930.00
Stream channel development	9.50	sta @	\$75.00	per sta =	\$712.50
Remove existing culverts	3	ea @	\$150.00	per ea =	\$450.00
Grass seed & fertilizer	0.22	ac @	\$425.00	per ac =	\$93.50
Mulch	0.22	ac @	\$600.00	per ac =	<u>\$132.00</u>

TOTAL PROJECT COST = \$2,428.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew
Road Segment: V3 to V4

Sale Number: FG-341-2023-W00944-01
Vacating: 2+00 stations
0.04 miles

PROJECT NO. 4: ROAD VACATING AND BLOCKING

Construct tank trap	2	ea @	\$55.00	per ea =	\$110.00
Rip rocked road surface	2.00	sta @	\$50.00	per sta =	\$100.00
Remove existing culverts	1	ea @	\$150.00	per ea =	\$150.00
Grass seed & fertilizer	0.03	ac @	\$425.00	per ac =	\$12.75
Mulch	0.03	ac @	\$600.00	per ac =	<u>\$18.00</u>

TOTAL PROJECT COST = \$390.75

SUMMARY OF CONSTRUCTION COST

Timber Sale: Lous Stew

Sale Number: FG-341-2023-W00944-01

PROJECT No. 1, 2 & 3 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS

<u>Equipment</u>	<u>Total</u>
Grader	\$995.74
Loader (Med. & Large)	\$843.75
Roller (smooth/grid) & Compactor	\$581.14
Excavator (Large) - Equipment Cleaning	\$2,297.31
Dozer (Large) - Equipment Cleaning	\$2,207.96
Dump Truck (10cy +)	\$167.61
	<u>\$167.61</u>
	<u>TOTAL MOVE-IN COSTS =</u>
	<u>\$7,093.51</u>

PROJECT No. 4 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS

<u>Equipment</u>	<u>Total</u>
Excavator (Large) - Equipment Cleaning	\$2,297.31
	<u>\$2,297.31</u>
	<u>TOTAL MOVE-IN COSTS =</u>
	<u>\$2,297.31</u>

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Lous Stew
Sale Number: FG-341-2023-W00944-01
Quarry Name: Rock Creek Ridge

1 1/2" - 0: 1,872 cy (truck measure)
3" - 0: 1,234 cy (truck measure)
Total truck yardage: 3,106 cy
Total in place yardage: 2,389 cy
Swell: 130%
Compaction: 116%

Move-in & Other Base Cost

Move in loader					\$1,702.64
Move in Dump Trucks					<u>\$207.52</u>
				Subtotal =	<u>\$2,053.16</u>
				Per CY =	<u>\$0.66/cy</u>

1 1/2"-0 Base Cost

Load dump truck	<u>\$0.80</u>	/ cy x	<u>1,872</u>	cy =	<u>\$1,497.60</u>
				Subtotal =	<u>\$19,195.20</u>
				Per CY =	<u>\$10.25/cy</u>

3"-0 Base Cost

Load dump truck	<u>\$0.80</u>	/ cy x	<u>1,234</u>	cy =	<u>\$987.20</u>
				Subtotal =	<u>\$12,283.05</u>
				Per CY =	<u>\$ 9.95</u>

1 1/2"-0 Base Cost = **\$10.92/cy**
3"-0 Base Cost = **\$10.62/cy**

#FG-341-2023-W00944-01

1. LOCATION: Portions of Sections 19, 29, 30 & 32, T3N, R5W, W.M., Washington County, OR. Portions of Sections 11, 12, 13, 14 & 24, T3N, R6W, W.M., Tillamook County, OR.

2. CRUISE DESIGN:

Pre-cruise evaluation indicated that the stand's average DBH is approximately 18 inches with a Coefficient of Variation of 60%. For sales of this size and approximate value, ODF cruise standards require a Sampling Error of 9% at a 68% Confidence Level, and a minimum sample size of 100 graded trees. Statistical analysis indicated that 44 variable radius grade plots utilizing a 20 BAF prism would produce an adequate sample size.

3. SAMPLING METHOD:

The Timber Sale Area was cruised in September of 2022. Unit 1, Unit 2, Unit 3, Unit 4, Unit 5, and Unit 6 were sampled with 46 variable radius grade plots. Plots falling on or near existing roads or no-harvest areas were offset 1 chain. In Unit 1 and Unit 6, cruisers chose 'take' trees as though thinning from below to a basal area target of 140 ft². In Unit 2, Unit 4, and Unit 5, cruisers chose 'take' trees as though thinning from below to a basal area target of 130 ft². The Unit 7 Right-of-Way Volume was determined through a combination of SuperAce Report statistics and Stand Level Inventory information obtained through the ESRI ArcGIS PRO software.

4. CRUISE RESULTS:

178 Douglas-fir trees were measured and graded producing a cumulative Sampling Error of 11.5% on the Basal Area and 11.8% on the Board Foot Volume for Douglas-fir.

5. TREE MEASUREMENT AND GRADING:

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

- a) **Height Standards:** Total tree heights were measured to the nearest foot. For conifers, 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:** Measured for each grade tree using a form point of 16 feet.

6. DATA PROCESSING

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

7. CRUISERS: The sale was cruised by ODF cruisers Adrian Torres, Kenton Burns, and Mark Savage.

Prepared by:	<u>Mark Savage</u>	<u>09/27/2022</u>
	Name	Date

RESIDUAL STAND SPECIFICATIONS

SALE NAME: Lou's Stew
SALE NUMBER: FG-341-2023-W00944-01

Unit 1

Residual QMD assumption (from leave tree cruise information) =

16

Target Relative Density =

35

	Minimum	Target	Maximum
Relative Density	33	35	38
Basal Area	130	140	150
Trees per Acre	93	100	107

Unit 2

Residual QMD assumption (from leave tree cruise information) =

14

Target Relative Density =

35

	Minimum	Target	Maximum
Relative Density	32	35	37
Basal Area	120	130	140
Trees per Acre	112	122	131

Unit 4

Residual QMD assumption (from leave tree cruise information) =

16

Target Relative Density =

33

	Minimum	Target	Maximum
Relative Density	30	33	35
Basal Area	120	130	140
Trees per Acre	86	93	100

Unit 5

Residual QMD assumption (from leave tree cruise information) =

15

Target Relative Density =

34

	Minimum	Target	Maximum
Relative Density	31	34	36
Basal Area	120	130	140
Trees per Acre	98	106	114

Unit 6

Residual QMD assumption (from leave tree cruise information) =

16

Target Relative Density =

33

	Minimum	Target	Maximum
Relative Density	33	35	38
Basal Area	130	140	150
Trees per Acre	93	100	107

$$RD = BA / \sqrt{DBH}$$

$$BA = \sqrt{DBH} (RD)$$

$$TPA = (BA/acre) / (BA/tree)$$

$$BA / tree = (\pi r^2) / (144)$$

TC PSTATS						PROJECT STATISTICS			PAGE	1		
						PROJECT	LOUSSTEW		DATE	9/27/2022		
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
03N 03N	05 06W	19 24	00U5 00U4	00PC 00PC	THR	230.00	46	469	S	W		
Unit 1 - Unit 6												
				TREES		ESTIMATED	PERCENT					
				PER PLOT		TOTAL	SAMPLE					
				PLOTS	TREES	TREES	TREES					
TOTAL			46	469	10.2							
CRUISE			46	469	10.2	49,204	1.0					
DBH COUNT												
REFOREST												
COUNT												
BLANKS												
100 %												
STAND SUMMARY												
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR			49	48.6	13.1	79	12.5	45.2	4,915	4,906	1,231	1,231
DOUG FIR-L			222	66.7	16.1	97	23.6	94.6	13,257	13,257	3,062	3,062
DOUG FIR-S			3	1.5	12.1	71	0.4	1.2				
DOUG FIR-T			178	89.4	12.6	86	21.7	77.1	8,719	8,676	2,138	2,138
WHEMLOCK-L			14	6.6	13.5	77	1.8	6.6	896	896	202	202
R ALDER-L			3	1.1	14.0	76	0.3	1.1	148	148	34	34
TOTAL			469	213.9	13.9	87	60.5	225.8	27,936	27,884	6,667	6,667
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF		SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		53.7	7.7	112	122	131						
DOUG FIR-L		45.9	3.1	210	217	223						
DOUG FIR-S												
DOUG FIR-T		45.2	3.4	106	110	114						
WHEMLOCK-L		40.3	11.2	150	169	187						
R ALDER-L		47.2	32.6	103	153	203						
TOTAL		58.2	2.7	159	163	167	135	34	15			
CL	68.1	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		54.0	7.7	28	31	33						
DOUG FIR-L		44.1	3.0	49	50	52						
DOUG FIR-S												
DOUG FIR-T		45.4	3.4	26	27	28						
WHEMLOCK-L		43.9	12.2	34	39	43						
R ALDER-L		44.8	31.0	24	35	46						
TOTAL		55.0	2.5	38	39	40	121	30	13			
CL	68.1	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		210.7	31.0	34	49	64						
DOUG FIR-L		59.0	8.7	61	67	73						
DOUG FIR-S		435.4	64.1	1	2	3						
DOUG FIR-T		82.0	12.1	79	89	100						
WHEMLOCK-L		247.7	36.5	4	7	9						
R ALDER-L		476.3	70.2	0	1	2						
TOTAL		35.0	5.2	203	214	225	49	12	5			
CL	68.1	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		198.3	29.2	32	45	58						
DOUG FIR-L		56.4	8.3	87	95	102						
DOUG FIR-S		385.4	56.8	1	1	2						
DOUG FIR-T		78.1	11.5	68	77	86						

PROJECT STATISTICS							PAGE	2		
PROJECT LOUSSTEW							DATE	9/27/2022		
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
03N	05	19	00U5	00PC	THR	230.00	46	469	S	W
03N	06W	24	00U4	00PC						
CL	68.1	COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15	
WHEMLOCK-L		248.5	36.6	4	7	9				
R ALDER-L		501.0	73.8	0	1	2				
TOTAL		25.7	3.8	217	226	234	26	7	3	
CL	68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		201.3	29.7	3,451	4,906	6,361				
DOUG FIR-L		59.9	8.8	12,088	13,257	14,427				
DOUG FIR-S										
DOUG FIR-T		79.9	11.8	7,655	8,676	9,698				
WHEMLOCK-L		253.4	37.3	562	896	1,230				
R ALDER-L		541.6	79.8	30	148	266				
TOTAL		29.9	4.4	26,654	27,884	29,113	36	9	4	
CL	68.1	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		200.2	29.5	868	1,231	1,594				
DOUG FIR-L		59.3	8.7	2,794	3,062	3,329				
DOUG FIR-S										
DOUG FIR-T		79.1	11.6	1,889	2,138	2,387				
WHEMLOCK-L		255.0	37.6	126	202	277				
R ALDER-L		534.7	78.8	7	34	61				
TOTAL		29.3	4.3	6,379	6,667	6,955	34	9	4	

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
<div>T03N R05W S19 Ty00PC THRU T03N R06W S24 Ty00PC</div>				Project: LOUSSTEW										Page 1							
				Acres 230.00										Date 9/27/2022							
														Time 2:38:40PM							
S So Gr			%	Bd. Ft. per Acre			Total	Percent of Net Board Foot Volume								Average Log				Logs	
Spp	T	rt ad	Net BdFt	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	Per /Acre	
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	L	3M	99		13,173	13,173	3,030	74	25	1		30	30	39	33	9	99	0.69	132.9		
DF	L	4M	1		85	85	19	100				65	35		26	6	37	0.37	2.3		
DF Totals			48		13,257	13,257	3,049	74	25	1		31	30	39	33	9	98	0.69	135.2		
DF	T	CU													11	8		0.00	3.0		
DF	T	3M	87	.6	7,635	7,592	1,746	98	2		1	0	4	95	39	7	83	0.52	91.9		
DF	T	4M	13		1,084	1,084	249	100			39	56	5		20	6	24	0.30	44.7		
DF Totals			31	.5	8,719	8,676	1,996	99	1		6	7	4	83	32	7	62	0.47	139.7		
DF		3M	88	.2	4,347	4,338	998	95	5				7	93	39	8	89	0.58	48.8		
DF		4M	12		568	568	131	100			38	58		4	21	6	26	0.33	21.7		
DF Totals			18	.2	4,915	4,906	1,128	96	4		4	7	6	83	33	7	70	0.53	70.5		
DF	S	CU													37	7		0.00	1.7		
DF Totals															37	7		0.00	1.7		
RA	L	3M	76		114	114	26	64	36			36	64		31	9	97	0.71	1.2		
RA	L	CR	24		34	34	8	100						100	37	7	70	0.46	.5		
RA Totals			1		148	148	34	72	28			28	49	23	33	9	89	0.63	1.7		
WH	L	3M	95		855	855	197	76	24			20	74	6	32	8	88	0.63	9.7		
WH	L	4M	5		41	41	9	100				100			23	6	30	0.23	1.4		
WH Totals			3		896	896	206	77	23			24	70	6	31	8	81	0.59	11.1		
Totals				0.2	27,936	27,884	6,413	86	14	0	2	19	19	59	33	8	78	0.57	359.8		

TC		PSTNDSUM		Stand Table Summary										Page		1	
														Date:		9/27/2022	
T03N R05W S19 Ty00PC THRU T03N R06W S24 Ty00PC				Project LOUSSTEW										Time:		2:38:41PM	
				Acres 230.00										Grown Year:			
S Spec	T	Sample		Tot					Average Log		Net		Net		Totals		
		DBH	Trees	FF 16'	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF	
DF L		12	4	88	90	1.915	1.50	3.83	10.6	41.3	1.16	41	158	266	93	36	
DF L		13	10	88	89	4.518	4.16	8.08	13.5	55.6	3.11	109	449	716	251	103	
DF L		14	31	88	91	12.115	12.95	23.85	17.2	78.6	11.68	410	1,876	2,686	942	431	
DF L		15	26	88	96	8.994	11.04	17.99	19.9	88.3	10.19	357	1,588	2,343	822	365	
DF L		16	52	88	96	15.954	22.28	30.30	23.6	102.8	20.39	715	3,113	4,689	1,645	716	
DF L		17	30	88	99	8.161	12.86	16.50	24.8	106.5	11.68	410	1,758	2,687	943	404	
DF L		18	40	88	102	9.771	17.27	22.17	27.0	111.3	17.05	598	2,467	3,921	1,376	568	
DF L		19	7	89	107	1.475	2.90	3.96	28.0	125.3	3.16	111	496	728	255	114	
DF L		20	5	88	102	1.037	2.26	2.47	32.7	135.8	2.30	81	336	530	186	77	
DF L		21	8	88	107	1.410	3.39	2.04	38.6	162.8	2.25	79	333	518	182	77	
DF L		22	6	88	109	1.030	2.72	2.91	35.4	158.7	2.94	103	462	675	237	106	
DF L		24	1	86	110	.122	.38	.37	39.6	183.3	.41	14	67	95	33	15	
DF L		25	1	84	114	.112	.38	.34	43.8	196.7	.42	15	66	97	34	15	
DF L		26	1	89	107	.128	.47	.39	47.5	226.7	.52	18	87	120	42	20	
DF L		Totals	222	88	97	66.740	94.58	135.20	22.6	98.1	87.26	3,062	13,257	20,069	7,042	3,049	
DF T		9	2	88	77	1.836	.81	1.84	8.9	45.4	.47	16	83	107	38	19	
DF T		10	19	87	78	14.883	8.12	14.88	12.3	59.4	5.22	183	884	1,202	422	203	
DF T		11	21	87	82	13.596	8.97	14.16	14.6	59.8	5.88	206	847	1,352	474	195	
DF T		12	38	87	83	20.926	16.43	31.78	13.2	51.2	11.92	418	1,628	2,741	962	374	
DF T		13	28	88	90	13.152	12.12	25.37	14.0	55.8	10.15	356	1,417	2,334	819	326	
DF T		14	25	87	89	10.160	10.86	19.05	16.9	66.8	9.18	322	1,272	2,110	741	293	
DF T		15	26	87	93	9.399	11.53	18.44	19.5	77.5	10.25	360	1,429	2,357	827	329	
DF T		16	9	87	98	2.832	3.95	5.98	22.5	94.2	3.84	135	563	883	310	130	
DF T		17	6	88	99	1.709	2.69	3.42	26.7	106.8	2.61	91	365	599	210	84	
DF T		18	2	88	93	.484	.86	.97	30.2	113.8	.83	29	110	192	67	25	
DF T		19	2	88	93	.375	.74	.75	28.4	102.5	.61	21	77	140	49	18	
DF T		Totals	178	87	86	89.353	77.10	136.63	15.7	63.5	60.95	2,138	8,676	14,017	4,918	1,996	
DF		9	1	85	60	2.086	.92	2.09	7.1	30.0	.42	15	63	97	34	14	
DF		10	6	86	68	10.140	5.53	10.14	11.2	56.7	3.23	113	575	742	260	132	
DF		11	3	87	77	4.190	2.77	4.19	14.8	60.0	1.77	62	251	407	143	58	
DF		12	3	87	73	3.521	2.77	3.52	17.6	63.3	1.77	62	223	406	143	51	
DF		13	11	87	79	11.000	10.14	17.00	15.6	59.4	7.56	265	1,010	1,738	610	232	
DF		14	9	87	82	7.760	8.30	13.80	16.6	60.6	6.51	228	836	1,497	525	192	
DF		15	2	88	89	1.502	1.84	3.00	18.7	75.0	1.60	56	225	368	129	52	
DF		16	7	88	94	4.621	6.45	9.24	22.9	94.3	6.04	212	871	1,388	487	200	
DF		17	5	88	91	2.924	4.61	5.85	25.8	103.0	4.30	151	602	990	347	139	
DF		20	2	88	98	.845	1.84	1.69	39.4	147.5	1.90	67	249	436	153	57	
DF		Totals	49	87	79	48.589	45.17	70.52	17.5	69.6	35.09	1,231	4,906	8,071	2,832	1,128	
WH L		8	1	88	59	1.356	.47	1.36	5.3	30.0	.23	7	41	53	17	9	
WH L		10	1	89	68	.868	.47	.87	12.4	60.0	.35	11	52	79	25	12	
WH L		13	1	90	72	.514	.47	1.03	12.8	60.0	.42	13	62	97	30	14	
WH L		14	2	91	86	.886	.95	1.77	17.1	80.0	.97	30	142	223	70	33	
WH L		15	4	91	83	1.543	1.89	3.09	19.5	87.5	1.93	60	270	443	138	62	
WH L		16	1	91	90	.339	.47	.68	23.3	100.0	.51	16	68	116	36	16	
WH L		17	3	91	86	.901	1.42	1.80	26.3	106.7	1.51	47	192	348	109	44	
WH L		19	1	92	85	.240	.47	.48	34.9	145.0	.54	17	70	123	39	16	
WH L		Totals	14	90	76	6.647	6.63	11.07	18.2	80.9	6.45	202	896	1,484	464	206	
RA L		12	1	88	62	.487	.38	.49	17.2	70.0	.23	8	34	53	19	8	
RA L		15	1	93	91	.312	.38	.62	20.8	95.0	.36	13	59	82	30	14	
RA L		16	1	92	85	.274	.38	.55	23.3	100.0	.35	13	55	81	29	13	

TC		PSTNDSUM										Stand Table Summary					Page		2	
												Date:		9/27/2022						
												Time:		2:38:41PM						
												Grown Year:								

Log Stock Table - MBF

Page 2

T03N R05W S19 Ty00PC

Project: LOUSSTEW
Acres 230.00

Date 9/27/2022

THRU

Time 2:38:39PM

T03N R06W S24 Ty00PC

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	T		4M 14	24		24	1.2			24									
DF	T		4M 15	12		12	.6			12									
DF	T		4M 16	14		14	.7			14									
DF	T		4M 17	12		12	.6			12									
DF	T		4M 18	8		8	.4			8									
DF	T		4M 19	6		6	.3			6									
DF	T		4M 20	3		3	.2			3									
DF	T		4M 21	11		11	.6			11									
DF	T		4M 22	16		16	.8			16									
DF	T		4M 23	15		15	.7			15									
DF	T		4M 24	8		8	.4			8									
DF	T		4M 25	23		23	1.2			23									
DF	T		4M 26	18		18	.9			18									
DF	T		4M 27	23		23	1.1			23									
DF	T		4M 28	12		12	.6			12									
DF	T		4M 29	11		11	.6			11									
DF	T		4M 30	3		3	.2			3									
DF	T		4M 31	8		8	.4			8									
DF	T		4M 34	4		4	.2			4									
DF		Totals		2,005		1,996	31.1			1028	713	226	28						
DF		3M 32		35		35	3.1			35									
DF		3M 33		19		19	1.7			19									
DF		3M 34		7		7	.6			7									
DF		3M 35		5		5	.4			5									
DF		3M 36		70		70	6.2			70									
DF		3M 37		23		23	2.1			23									
DF		3M 40		841		839	74.3			190	330	272	47						
DF		4M 12		2		2	.2			2									
DF		4M 13		9		9	.8			9									
DF		4M 14		13		13	1.2			13									
DF		4M 15		9		9	.8			9									
DF		4M 17		8		8	.7			8									
DF		4M 18		5		5	.4			5									
DF		4M 19		4		4	.4			4									
DF		4M 21		4		4	.4			4									
DF		4M 22		5		5	.5			5									
DF		4M 23		10		10	.9			10									

Log Stock Table - MBF

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T03N R05W S19 Ty00PC

Project: LOUSSTEW
Acres 230.00

Date 9/27/2022

Time 2:38:39PM

THRU

T03N R06W S24 Ty00PC

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Sp	Net Volume by Scaling Diameter in Inches												
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+	
DF		4M	24	5		5	.4			5										
DF		4M	25	5		5	.4			5										
DF		4M	26	18		18	1.6			18										
DF		4M	27	6		6	.5			6										
DF		4M	29	5		5	.5			5										
DF		4M	30	18		18	1.6			18										
DF		4M	40	6		6	.5			6										
DF		Totals		1,130		1,128	17.6			479	330	272	47							
RA	L	3M	30	9		9	27.7					9								
RA	L	3M	31	12		12	36.6			3		9								
RA	L	3M	32	4		4	12.6			4										
RA	L	CR	37	8		8	23.0			8										
RA		Totals		34		34	.5			15		9	9							
WH	L	3M	22	8		8	3.9					8								
WH	L	3M	24	13		13	6.5			3		11								
WH	L	3M	26	4		4	1.7			4										
WH	L	3M	30	15		15	7.4			4		11								
WH	L	3M	31	10		10	5.0						10							
WH	L	3M	32	50		50	24.3			13		37								
WH	L	3M	33	13		13	6.5					13								
WH	L	3M	34	67		67	32.7			19		12	23		13					
WH	L	3M	35	3		3	1.7			3										
WH	L	3M	39	12		12	5.8			12										
WH	L	4M	23	9		9	4.5			9										
WH		Totals		206		206	3.2			67		92	34		13					
Total		All Species		6,425		6,413	100.0			2314	1172	2015	671		143	97				

TC PSTATS				PROJECT STATISTICS				PAGE	1	
				PROJECT	LOUSSTEW			DATE	9/27/2022	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
03N	06	11	00U1	00PC		49.00	9	113	S	W
Unit 1										
				TREES	ESTIMATED		PERCENT			
				PER PLOT	TOTAL		SAMPLE			
				PLOTS	TREES	TREES	TREES			
TOTAL			9	113	12.6					
CRUISE			9	113	12.6	11,091	1.0			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
			SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	CF/AC
DOUG FIR-L			49	72.3	16.6	91	26.7	108.9	14,886	3,562
DOUG FIR-S			1	3.4	11.0	58	0.7	2.2		
DOUG FIR-T			49	119.5	12.9	85	30.3	108.9	12,299	3,058
WHEMLOCK-L			14	31.2	13.5	77	8.5	31.1	4,205	946
TOTAL			113	226.3	14.3	85	66.5	251.1	31,390	7,567
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL	68.1	COEFF		SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L			44.8	6.4	216	231	246			
DOUG FIR-S										
DOUG FIR-T			46.3	6.6	109	117	124			
WHEMLOCK-L			40.3	11.2	150	169	187			
TOTAL			56.8	5.3	162	172	181	129	32	14
CL	68.1	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L			41.3	5.9	52	55	58			
DOUG FIR-S										
DOUG FIR-T			44.8	6.4	27	29	31			
WHEMLOCK-L			43.9	12.2	34	39	43			
TOTAL			53.7	5.1	39	41	43	115	29	13
CL	68.1	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L			27.3	9.6	65	72	79			
DOUG FIR-S			300.0	105.9		3	7			
DOUG FIR-T			37.2	13.1	104	119	135			
WHEMLOCK-L			64.5	22.8	24	31	38			
TOTAL			20.0	7.1	210	226	242	18	4	2
CL	68.1	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L			18.6	6.6	102	109	116			
DOUG FIR-S			300.0	105.9		2	5			
DOUG FIR-T			40.1	14.2	93	109	124			
WHEMLOCK-L			65.2	23.0	24	31	38			
TOTAL			18.3	6.5	235	251	267	15	4	2
CL	68.1	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L			18.0	6.3	13,941	14,886	15,831			
DOUG FIR-S										
DOUG FIR-T			45.4	16.0	10,300	12,267	14,233			
WHEMLOCK-L			69.1	24.4	3,180	4,205	5,231			

TC PSTATS		PROJECT STATISTICS							PAGE	2
		PROJECT LOUSSTEW							DATE	9/27/2022
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
03N	06	11	00U1	00PC		49.00	9	113	S	W
CL	68.1	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
TOTAL		21.5	7.6	28,975	31,358	33,741		21	5	2
CL	68.1	COEFF		NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG FIR-L		18.4	6.5	3,331	3,562	3,794				
DOUG FIR-S										
DOUG FIR-T		44.6	15.7	2,577	3,058	3,539				
WHEMLOCK-L		70.4	24.8	711	946	1,181				
TOTAL		21.3	7.5	6,997	7,567	8,136		20	5	2

TC P5PCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T03N R06W S11 Ty00PC

49.00

Project: LOUSSTEW

Acres 49.00

Page 1

Date 9/27/2022

Time 11:17:10AM

S So Gr T rt ad Spp			% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
								Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf		
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	L	3M	99		14,823	14,823	726		66	32	2		36	26	38		32	9	101	0.74	147.5
DF	L	4M	1		63	63	3		100					100			34	6	50	0.43	1.3
DF Totals			47		14,886	14,886	729		66	32	2		36	26	38		32	9	100	0.74	148.7
DF	T	3M	88	.3	10,907	10,875	533		98	2				5	95		39	7	86	0.54	127.2
DF	T	4M	12		1,391	1,391	68		100				40	60			19	6	24	0.30	58.4
DF Totals			39	.3	12,299	12,267	601		98	2			5	7	5	84	33	7	66	0.50	185.6
DF	S	CU															34	6		0.00	3.4
DF Totals																	34	6		0.00	3.4
WH	L	3M	95		4,014	4,014	197		76	24			20	74	6		32	8	88	0.63	45.6
WH	L	4M	5		191	191	9		100					100			23	6	30	0.23	6.4
WH Totals			13		4,205	4,205	206		77	23			24	70	6		31	8	81	0.59	52.0
Totals				0.1	31,390	31,358	1,537		80	19	1		2	23	24	52	32	8	80	0.60	389.7

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		9/27/2022	
T03N R06W S11 Ty00PC					49.00					Project					LOUSSTEW					Time:		11:17:11AM			
										Acres					49.00					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 L		13	3	88	85	7.233	6.67	14.47	12.8	50.0	5.26	184	723	258	90	35									
DF L		14	6	87	84	12.473	13.33	24.95	15.7	69.2	11.15	391	1,725	546	192	85									
DF L		15	1	88	85	1.811	2.22	3.62	17.7	75.0	1.82	64	272	89	31	13									
DF L		16	12	88	92	19.099	26.67	38.20	22.7	97.9	24.75	868	3,740	1,213	425	183									
DF L		17	8	88	91	11.279	17.78	22.56	25.0	103.7	16.08	564	2,340	788	276	115									
DF L		18	9	88	97	11.318	20.00	22.64	30.5	119.4	19.71	691	2,704	966	339	132									
DF L		19	1	89	99	1.129	2.22	2.26	36.4	145.0	2.34	82	327	115	40	16									
DF L		20	3	88	98	3.056	6.67	7.13	32.6	134.3	6.62	232	957	324	114	47									
DF L		21	1	89	100	.924	2.22	1.85	45.2	175.0	2.38	83	323	117	41	16									
DF L		22	4	88	102	3.367	8.89	9.26	34.0	147.3	8.97	315	1,364	440	154	67									
DF L		26	1	89	107	.603	2.22	1.81	47.5	226.7	2.45	86	410	120	42	20									
DF L		Totals	49	88	91	72.289	108.89	148.72	24.0	100.1	101.52	3,562	14,886	4,975	1,745	729									
DF T		10	3	87	77	12.223	6.67	12.22	12.0	56.7	4.19	147	693	205	72	34									
DF T		11	5	87	82	16.836	11.11	16.84	14.8	60.0	7.12	250	1,010	349	122	49									
DF T		12	13	87	81	36.783	28.89	53.76	13.4	51.6	20.59	723	2,773	1,009	354	136									
DF T		13	7	88	89	16.876	15.56	31.34	14.4	57.7	12.88	452	1,808	631	221	89									
DF T		14	5	88	86	10.394	11.11	18.71	17.5	70.0	9.35	328	1,310	458	161	64									
DF T		15	9	88	93	16.297	20.00	32.59	19.8	81.1	18.40	646	2,644	901	316	130									
DF T		16	2	87	91	3.183	4.44	6.37	22.5	90.0	4.09	144	573	200	70	28									
DF T		17	4	88	92	5.639	8.89	11.28	25.7	101.3	8.27	290	1,142	405	142	56									
DF T		18	1	88	96	1.258	2.22	2.52	31.7	125.0	2.27	80	314	111	39	15									
DF T		Totals	49	87	85	119.489	108.89	185.62	16.5	66.1	87.16	3,058	12,267	4,271	1,499	601									
WH L		8	1	88	59	6.366	2.22	6.37	5.3	30.0	1.09	34	191	53	17	9									
WH L		10	1	89	68	4.074	2.22	4.07	12.4	60.0	1.62	51	244	79	25	12									
WH L		13	1	90	72	2.411	2.22	4.82	12.8	60.0	1.98	62	289	97	30	14									
WH L		14	2	91	86	4.158	4.44	8.32	17.1	80.0	4.56	142	665	223	70	33									
WH L		15	4	91	83	7.243	8.89	14.49	19.5	87.5	9.04	282	1,268	443	138	62									
WH L		16	1	91	90	1.592	2.22	3.18	23.3	100.0	2.38	74	318	116	36	16									
WH L		17	3	91	86	4.229	6.67	8.46	26.3	106.7	7.11	222	902	348	109	44									
WH L		19	1	92	85	1.129	2.22	2.26	34.9	145.0	2.52	79	327	123	39	16									
WH L		Totals	14	90	76	31.202	31.11	51.96	18.2	80.9	30.28	946	4,205	1,484	464	206									
DF S		11	1	84	58	3.367	2.22																		
DF S		Totals	1	84	58	3.367	2.22																		
Totals		113	88	85	226.347	251.11	386.31	19.6	81.2	218.96	7,567	31,358	10,729	3,708	1,537										

TC		PLOGSTVB																		Log Stock Table - MBF									
<div>T03N R06W S11 Ty00PC</div> <div>49.00</div>		<div>Project: LOUSSTEW</div> <div>Acres 49.00</div>										<div>Page 2</div> <div>Date 9/27/2022</div> <div>Time 11:17:09AM</div>																	
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches																					
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+										
DF		Totals		603		601	39.1			308	174	107	12																
WH	L	3M	22	8		8	3.9					8																	
WH	L	3M	24	13		13	6.5			3		11																	
WH	L	3M	26	4		4	1.7			4																			
WH	L	3M	30	15		15	7.4			4		11																	
WH	L	3M	31	10		10	5.0						10																
WH	L	3M	32	50		50	24.3			13		37																	
WH	L	3M	33	13		13	6.5					13																	
WH	L	3M	34	67		67	32.7			19		12	23	13															
WH	L	3M	35	3		3	1.7			3																			
WH	L	3M	39	12		12	5.8			12																			
WH	L	4M	23	9		9	4.5			9																			
WH		Totals		206		206	13.4			67		92	34	13															
Total		All Species		1,538		1,537	100.0			544	197	489	206	56	45														

TC		PLOGSTVB		Log Stock Table - MBF															
<div>T03N R06W S11 Ty00PC</div> <div>49.00</div>		Project: LOUSSTEW														Page 1			
		Acres 49.00														Date 9/27/2022			
																Time 11:17:09AM			
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	L	3M	24	8		8	1.1					8							
DF	L	3M	25	9		9	1.3					9							
DF	L	3M	26	67		67	9.1			8	7	18		11	21				
DF	L	3M	27	37		37	5.0			7	8		11		11				
DF	L	3M	28	29		29	3.9			9	8	6	6						
DF	L	3M	29	28		28	3.8			5		10			13				
DF	L	3M	30	87		87	11.9			19		62		6					
DF	L	3M	32	30		30	4.1			8		22							
DF	L	3M	33	43		43	5.9			8		35							
DF	L	3M	34	72		72	9.8			16		44	12						
DF	L	3M	35	42		42	5.7			8		24	10						
DF	L	3M	36	120		120	16.4			41		24	55						
DF	L	3M	37	49		49	6.7			4		12	33						
DF	L	3M	38	44		44	6.0			18		13	13						
DF	L	3M	39	27		27	3.6			3			12	12					
DF	L	3M	40	38		38	5.2			14		11		13					
DF	L	4M	34	3		3	.4			3									
DF		Totals			729	729	47.5			169	24	290	160	42	45				
DF	T	3M	32	8		8	1.3			8									
DF	T	3M	33	17		17	2.7			17									
DF	T	3M	35	4		4	.7			4									
DF	T	3M	40	506		504	83.9			211	174	107	12						
DF	T	4M	12	3		3	.5			3									
DF	T	4M	13	3		3	.5			3									
DF	T	4M	14	6		6	.9			6									
DF	T	4M	15	7		7	1.2			7									
DF	T	4M	16	5		5	.8			5									
DF	T	4M	17	2		2	.4			2									
DF	T	4M	19	2		2	.3			2									
DF	T	4M	21	8		8	1.4			8									
DF	T	4M	22	4		4	.6			4									
DF	T	4M	23	6		6	1.0			6									
DF	T	4M	24	2		2	.3			2									
DF	T	4M	25	11		11	1.8			11									
DF	T	4M	26	3		3	.4			3									
DF	T	4M	27	5		5	.9			5									
DF	T	4M	28	3		3	.4			3									

TC PSTATS				PROJECT STATISTICS				PAGE 1				
				PROJECT LOUSSTEW		DATE 9/27/2022						
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
03N	06	11	00U2	00PC	66.00	13	161	S	W			
Unit 2												
				TREES	ESTIMATED	PERCENT						
				PER PLOT	TOTAL	SAMPLE						
					TREES	TREES						
TOTAL			13	161	12.4							
CRUISE			13	161	12.4	15,086	1.1					
DBH COUNT												
REFOREST												
COUNT												
BLANKS												
100 %												
STAND SUMMARY												
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR-L			85	91.1	16.2	97	32.5	130.8	16,978	16,978	3,916	3,916
DOUG FIR-T			76	137.5	12.5	86	33.1	116.9	13,033	12,964	3,192	3,192
TOTAL			161	228.6	14.1	90	66.0	247.7	30,011	29,942	7,108	7,108
CONFIDENCE LIMITS OF THE SAMPLE												
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR												
CL	68.1	COEFF		SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			47.9	5.2	183	193	203					
DOUG FIR-T			39.0	4.5	100	105	110					
TOTAL			56.2	4.4	145	152	158	126	32	14		
CL	68.1	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			47.4	5.1	42	45	47					
DOUG FIR-T			40.0	4.6	25	26	27					
TOTAL			53.8	4.2	34	36	38	116	29	13		
CL	68.1	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			15.4	4.4	87	91	95					
DOUG FIR-T			53.7	15.5	116	137	159					
TOTAL			30.7	8.9	208	229	249	41	10	5		
CL	68.1	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			7.9	2.3	128	131	134					
DOUG FIR-T			43.5	12.5	102	117	132					
TOTAL			18.2	5.3	235	248	261	14	4	2		
CL	68.1	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			32.1	9.3	15,405	16,978	18,551					
DOUG FIR-T			41.8	12.1	11,402	12,964	14,526					
TOTAL			28.5	8.2	27,482	29,942	32,401	35	9	4		
CL	68.1	COEFF		NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR-L			30.4	8.8	3,573	3,916	4,260					
DOUG FIR-T			40.8	11.7	2,817	3,192	3,567					
TOTAL			28.7	8.3	6,521	7,108	7,696	35	9	4		

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		9/27/2022	
T03N R06W S11 Ty00PC					66.00					Project					LOUSSTEW					Time:		11:19:27AM			
										Acres					66.00					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 L		13	2	88	85	3.338	3.08	3.34	13.4	55.0	1.27	45	184	84	29	12									
DF L		14	8	88	90	11.513	12.31	23.03	16.8	76.3	11.05	388	1,756	730	256	116									
DF L		15	16	88	94	20.058	24.62	40.12	19.4	85.6	22.23	780	3,435	1,467	515	227									
DF L		16	22	88	96	24.241	33.85	41.87	23.9	103.7	28.56	1,002	4,341	1,885	661	287									
DF L		17	12	87	102	11.712	18.46	21.47	25.2	110.5	15.40	540	2,372	1,016	357	157									
DF L		18	17	88	103	14.800	26.15	34.82	25.1	105.5	24.93	875	3,674	1,645	577	242									
DF L		19	2	89	102	1.563	3.08	3.91	28.9	126.0	3.22	113	492	212	74	32									
DF L		20	1	88	97	.705	1.54	1.41	38.1	145.0	1.53	54	205	101	35	13									
DF L		21	4	88	106	2.558	6.15	1.28	42.9	165.0	1.56	55	211	103	36	14									
DF L		22	1	88	120	.583	1.54	1.75	37.1	176.7	1.85	65	309	122	43	20									
DF L		Totals	85	88	97	91.072	130.77	172.99	22.6	98.1	111.61	3,916	16,978	7,366	2,585	1,121									
DF T		9	1	88	80	3.482	1.54	3.48	9.3	50.0	.92	32	174	61	21	11									
DF T		10	10	86	78	28.207	15.38	28.21	12.3	60.0	9.93	348	1,692	655	230	112									
DF T		11	8	87	84	18.649	12.31	18.65	15.2	63.8	8.10	284	1,189	535	188	78									
DF T		12	12	87	83	23.506	18.46	33.30	13.6	52.4	12.90	453	1,743	851	299	115									
DF T		13	13	87	89	21.698	20.00	43.40	13.5	53.5	16.71	586	2,320	1,103	387	153									
DF T		14	14	86	89	20.148	21.54	37.42	16.7	64.6	17.79	624	2,418	1,174	412	160									
DF T		15	13	86	94	16.297	20.00	31.34	19.5	75.6	17.41	611	2,369	1,149	403	156									
DF T		16	5	87	96	5.509	7.69	12.12	20.9	87.3	7.23	254	1,058	477	167	70									
DF T		Totals	76	87	86	137.497	116.92	207.91	15.4	62.4	90.98	3,192	12,964	6,005	2,107	856									
Totals			161	87	90	228.569	247.69	380.91	18.7	78.6	202.59	7,108	29,942	13,371	4,692	1,976									

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																				
<div>T03N R06W S11 Ty00PC66.00</div>				Project:		LOUSSTEW										Page		1						
				Acres		66.00										Date		9/27/2022						
																Time		11:19:26AM						
Spp	S	So	Gr	%	Net	Bd. Ft. per Acre			Total	Percent of Net Board Foot Volume								Average Log				Logs		
										Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/			
										4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						Ft	In
Def%	Gross	Net	Net MBF																		Per			
DF	L	3M	99			16,923	16,923		1,117		79	21			26	34	40	33	9	98	0.69	171.9		
DF	L	4M	1			55	55		4		100					100		33	6	50	0.37	1.1		
DF	Totals			57		16,978	16,978		1,121		79	21			26	34	40	33	9	98	0.68	173.0		
DF	T	CU																12	7		0.00	7.4		
DF	T	3M	87		.6	11,368	11,299		746		99	1			2	1	3	94	39	7	81	0.51	139.7	
DF	T	4M	13			1,665	1,665		110		100				42	55	3		20	6	24	0.30	68.2	
DF	Totals			43		.5	13,033	12,964		856		99	1		7	8	3	82	32	7	60	0.46	215.3	
Totals						0.2	30,011	29,942		1,976		88	12			3	18	21	58	33	8	77	0.56	388.3

TC		PLOGSTVB																		Log Stock Table - MBF									
T03N R06W S11 Ty00PC		66.00		Project:		LOUSSTEW														Page		2							
						Acres		66.00												Date		9/27/2022							
																				Time		11:19:26AM							
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches												20-23	24-29	30-39	40+						
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19														
DF	T	4M	24	3		3	.4			3																			
DF	T	4M	25	8		8	.9			8																			
DF	T	4M	26	12		12	1.5			12																			
DF	T	4M	27	10		10	1.1			10																			
DF	T	4M	28	8		8	1.0			8																			
DF	T	4M	29	7		7	.8			7																			
DF	T	4M	34	4		4	.4			4																			
DF		Totals		860		856	43.3			434	366	48	7																
Total		All Species		1,981		1,976	100.0			706	374	650	212	22	12														

TC PSTATS					PROJECT STATISTICS			PAGE	1		
					PROJECT	LOUSSTEW		DATE	9/27/2022		
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
03N	06	11	00U3	00MC	53.00	10	49	S	W		
Unit 3											
					TREES	ESTIMATED	PERCENT				
					PER PLOT	TOTAL	SAMPLE				
						TREES	TREES				
TOTAL			10	49	4.9						
CRUISE			10	49	4.9	11,175	.4				
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR			49	210.9	13.1	79	54.2	196.0	21,329	21,291	5,343
TOTAL			49	210.9	13.1	79	54.2	196.0	21,329	21,291	5,343
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			53.7	7.7	112	122	131				
TOTAL			53.7	7.7	112	122	131	115	29	13	
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			54.0	7.7	28	31	33				
TOTAL			54.0	7.7	28	31	33	117	29	13	
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			42.3	14.1	181	211	241				
TOTAL			42.3	14.1	181	211	241	79	20	9	
CL	68.1	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			24.4	8.1	180	196	212				
TOTAL			24.4	8.1	180	196	212	26	7	3	
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			29.7	9.9	19,186	21,291	23,397				
TOTAL			29.7	9.9	19,186	21,291	23,397	39	10	4	
CL	68.1	COEFF	NET CUFT FT/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			27.8	9.2	4,849	5,343	5,837				
TOTAL			27.8	9.2	4,849	5,343	5,837	34	9	4	

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T03N R06W S11 Ty00MC

53.00

Project: LOUSSTEW

Page 1

Acres 53.00

Date 9/27/2022

Time 12:55:29PM

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
DF		3M		88	.2	18,865	18,827	998	95	5				7	93	39	8	89	0.58	211.9	
DF		4M		12		2,464	2,464	131	100				38	58		4	21	6	26	0.33	94.1
DF Totals				100	.2	21,329	21,291	1,128	96	4			4	7	6	83	33	7	70	0.53	306.0
Totals					0.2	21,329	21,291	1,128	96	4			4	7	6	83	33	7	70	0.53	306.0

TC		PSTNDSUM										Stand Table Summary			Page		1	
															Date:		9/27/2022	
<div>T03N R06W S11 Ty00MC</div> <div>53.00</div>					Project					LOUSSTEW			Time:		12:55:30PM			
					Acres					53.00			Grown Year:					
S Spc	T	Sample DBH		Tot Av Ht		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net		Net Bd.Ft.	T o t a l s				
									Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre					Bd.Ft. Acre	
		Tons		Cunits		MBF												
		DF	9	1	85	60	9.054	4.00	9.05	7.1	30.0	1.83	64	272	97	34	14	
		DF	10	6	86	68	44.003	24.00	44.00	11.2	56.7	14.00	491	2,494	742	260	132	
		DF	11	3	87	77	18.183	12.00	18.18	14.8	60.0	7.69	270	1,091	407	143	58	
		DF	12	3	87	73	15.279	12.00	15.28	17.6	63.3	7.66	269	968	406	143	51	
		DF	13	11	87	79	47.735	44.00	73.77	15.6	59.4	32.79	1,151	4,383	1,738	610	232	
		DF	14	9	87	82	33.676	36.00	59.87	16.6	60.6	28.24	991	3,630	1,497	525	192	
		DF	15	2	88	89	6.519	8.00	13.04	18.7	75.0	6.95	244	978	368	129	52	
		DF	16	7	88	94	20.054	28.00	40.11	22.9	94.3	26.20	919	3,782	1,388	487	200	
		DF	17	5	88	91	12.688	20.00	25.38	25.8	103.0	18.68	655	2,614	990	347	139	
		DF	20	2	88	98	3.667	8.00	7.33	39.4	147.5	8.23	289	1,082	436	153	57	
DF	Totals	49	87	79	210.858	196.00	306.02	17.5	69.6	152.28	5,343	21,291	8,071	2,832	1,128			
Totals		49	87	79	210.858	196.00	306.02	17.5	69.6	152.28	5,343	21,291	8,071	2,832	1,128			

Log Stock Table - MBF

T03N R06W S11 Ty00MC 53.00

Project: LOUSSTEW
Acres 53.00Page 1
Date 9/27/2022
Time 12:55:28PM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		3M	32	35		35	3.1			35									
DF		3M	33	19		19	1.7			19									
DF		3M	34	7		7	.6			7									
DF		3M	35	5		5	.4			5									
DF		3M	36	70		70	6.2			70									
DF		3M	37	23		23	2.1			23									
DF		3M	40	841		839	74.3			190	330	272	47						
DF		4M	12	2		2	.2			2									
DF		4M	13	9		9	.8			9									
DF		4M	14	13		13	1.2			13									
DF		4M	15	9		9	.8			9									
DF		4M	17	8		8	.7			8									
DF		4M	18	5		5	.4			5									
DF		4M	19	4		4	.4			4									
DF		4M	21	4		4	.4			4									
DF		4M	22	5		5	.5			5									
DF		4M	23	10		10	.9			10									
DF		4M	24	5		5	.4			5									
DF		4M	25	5		5	.4			5									
DF		4M	26	18		18	1.6			18									
DF		4M	27	6		6	.5			6									
DF		4M	29	5		5	.5			5									
DF		4M	30	18		18	1.6			18									
DF		4M	40	6		6	.5			6									
DF		Totals		1,130		1,128	100.0			479	330	272	47						
Total		All Species		1,130		1,128	100.0			479	330	272	47						

PROJECT STATISTICS							PAGE	1			
PROJECT LOUSSTEW							DATE	9/27/2022			
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
03N	06	24	00U4	00PC	23.00	5	46	S	W		
Unit 4											
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			5	46	9.2						
CRUISE			5	46	9.2	3,585	1.3				
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
		SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR-L		30	85.7	16.0	100	30.0	120.0	18,841	18,841	4,193	4,193
DOUG FIR-T		16	70.1	12.9	87	17.8	64.0	7,806	7,806	1,896	1,896
TOTAL		46	155.9	14.7	94	48.0	184.0	26,647	26,647	6,090	6,090
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		33.9	6.3	221	236	251					
DOUG FIR-T		57.0	14.7	111	131	150					
TOTAL		46.4	6.8	186	200	213	86	22	10		
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		32.5	6.0	49	53	56					
DOUG FIR-T		53.8	13.9	27	31	36					
TOTAL		43.5	6.4	42	45	48	76	19	8		
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		35.7	17.7	71	86	101					
DOUG FIR-T		74.4	37.0	44	70	96					
TOTAL		48.1	23.9	119	156	193	114	29	13		
CL	68.1	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		28.9	14.3	103	120	137					
DOUG FIR-T		80.9	40.2	38	64	90					
TOTAL		41.7	20.7	146	184	222	86	21	10		
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		25.6	12.7	16,448	18,841	21,234					
DOUG FIR-T		95.6	47.5	4,098	7,806	11,514					
TOTAL		43.1	21.4	20,946	26,647	32,347	92	23	10		
CL	68.1	COEFF	NET CUFT FT/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR-L		25.5	12.7	3,662	4,193	4,725					
DOUG FIR-T		92.7	46.1	1,023	1,896	2,770					
TOTAL		42.3	21.0	4,809	6,090	7,370	88	22	10		

Species, Sort Grade - Board Foot Volumes (Project)																					
TC PSCSTGR																Page 1					
T03N R06W S24 Ty00PC 23.00				Project: LOUSSTEW												Date 9/27/2022					
				Acres 23.00												Time 2:30:10PM					
Spp	S	So	Gr	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
									4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
DF	L		3M	98	18,616	18,616		428	69	31			38	34	28	33	9	102	0.70	182.5	
DF	L		4M	2	225	225		5	100				100			23	6	30	0.32	7.5	
DF Totals				71	18,841	18,841		433	69	31			39	33	28	32	9	99	0.69	190.0	
DF	T		3M	87	6,829	6,829		157	100						100	40	8	90	0.55	75.8	
DF	T		4M	13	976	976		22	100				54	46		19	6	24	0.31	41.1	
DF Totals				29	7,806	7,806		180	100				7	6		87	32	7	67	0.50	117.0
Totals					26,647	26,647		613	78	22			2	29	24	45	32	8	87	0.61	307.0

TC		PSTNDSUM										Stand Table Summary										Page		1					
																						Date:		9/27/2022					
T03N R06W S24 Ty00PC					23.00					Project					LOUSSTEW					Time:					2:30:11PM				
										Acres					23.00					Grown Year:									
S	T	DBH	Sample Trees	FF 16'	Tot 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													
DF L		14	8	88	93	29.934	32.00	56.13	18.1	83.3	28.94	1,016	4,677	666		234	108												
DF L		15	4	89	99	13.038	16.00	26.08	20.5	92.5	15.24	535	2,412	351		123	55												
DF L		16	5	88	100	14.324	20.00	31.51	22.2	98.2	19.98	701	3,094	459		161	71												
DF L		17	1	89	116	2.538	4.00	7.61	20.0	93.3	4.33	152	711	100		35	16												
DF L		18	9	89	107	20.372	36.00	52.06	25.2	110.0	37.43	1,313	5,727	861		302	132												
DF L		19	1	90	118	2.032	4.00	6.09	27.2	126.7	4.73	166	772	109		38	18												
DF L		20	1	87	121	1.833	4.00	5.50	29.0	133.3	4.54	159	733	104		37	17												
DF L		21	1	88	104	1.663	4.00	4.99	30.3	143.3	4.30	151	715	99		35	16												
DF L		Totals	30	88	100	85.734	120.00	189.97	22.1	99.2	119.51	4,193	18,841	2,749		964	433												
DF T		11	3	88	79	18.183	12.00	18.18	14.8	60.0	7.69	270	1,091	177		62	25												
DF T		12	5	86	79	25.465	20.00	45.84	11.0	43.3	14.39	505	1,986	331		116	46												
DF T		13	2	88	89	8.679	8.00	17.36	13.8	55.0	6.83	240	955	157		55	22												
DF T		14	1	88	94	3.742	4.00	7.48	17.5	75.0	3.72	131	561	86		30	13												
DF T		15	1	89	99	3.259	4.00	6.52	21.7	95.0	4.03	142	619	93		33	14												
DF T		16	2	89	110	5.730	8.00	11.46	27.4	120.0	8.96	314	1,375	206		72	32												
DF T		17	2	89	115	5.075	8.00	10.15	29.1	120.0	8.43	296	1,218	194		68	28												
DF T		Totals	16	87	87	70.133	64.00	116.99	16.2	66.7	54.04	1,896	7,806	1,243		436	180												
Totals			46	88	94	155.867	184.00	306.96	19.8	86.8	173.55	6,090	26,647	3,992		1,401	613												

Log Stock Table - MBF

T03N R06W S24 Ty00PC 23.00

Project: LOUSSTEW
Acres 23.00Page 1
Date 9/27/2022
Time 2:30:09PM

Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	L	3M	26	27		27	6.2						17		10				
DF	L	3M	28	57		57	13.1				5	5	16	31					
DF	L	3M	29	17		17	3.9				2		5	9					
DF	L	3M	30	63		63	14.6				8		27	9	19				
DF	L	3M	31	11		11	2.6				2		9						
DF	L	3M	32	70		70	16.1				15		55						
DF	L	3M	33	12		12	2.9				12								
DF	L	3M	34	40		40	9.3				11		30						
DF	L	3M	35	11		11	2.4						11						
DF	L	3M	36	56		56	12.9				17		11	28					
DF	L	3M	37	13		13	3.1				4			9					
DF	L	3M	38	3		3	.7				3								
DF	L	3M	40	42		42	9.7					31	11						
DF	L	3M	41	5		5	1.2				5								
DF	L	4M	22	3		3	.6				3								
DF	L	4M	23	3		3	.6				3								
DF		Totals		433		433	70.7				90	36	175	104	19	10			
DF	T	3M	40	157		157	87.5				73	28	56						
DF	T	4M	12	1		1	.7				1								
DF	T	4M	14	7		7	3.9				7								
DF	T	4M	18	4		4	2.2				4								
DF	T	4M	24	3		3	1.4				3								
DF	T	4M	29	5		5	2.6				5								
DF	T	4M	30	3		3	1.7				3								
DF		Totals		180		180	29.3				95	28	56						
Total		All Species		613		613	100.0				185	64	231	104	19	10			

PROJECT STATISTICS										PAGE	1
TC		PSTATS		PROJECT		LOUSSTEW		DATE	9/27/2022		
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
03N	05	19	00U5	00PC	17.00	4	43	S	W		
Unit 5											
		PLOTS		TREES	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
				PER PLOT							
TOTAL		4		43	10.8			1.2			
CRUISE		4		43	10.8	3,711					
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE TREES		TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
DOUG FIR-L		26	107.7	14.9	96	33.7	130.0	18,854	18,854	4,348	
DOUG FIR-S		1	9.2	10.0	80	1.6	5.0				
DOUG FIR-T		16	101.4	12.0	83	23.1	80.0	8,295	8,206	2,076	
TOTAL		43	218.3	13.4	90	58.7	215.0	27,150	27,061	6,424	
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		30.9	6.2	178	190	201					
DOUG FIR-S											
DOUG FIR-T		52.5	13.5	82	94	107					
TOTAL		50.0	7.6	138	150	161	100	25	11		
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		33.5	6.7	41	44	47					
DOUG FIR-S											
DOUG FIR-T		58.6	15.1	21	24	28					
TOTAL		50.4	7.7	33	36	38	101	25	11		
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		7.5	4.3	103	108	112					
DOUG FIR-S		200.0	114.3		9	20					
DOUG FIR-T		45.3	25.9	75	101	128					
TOTAL		25.2	14.4	187	218	250	33	8	4		
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		8.9	5.1	123	130	137					
DOUG FIR-S		200.0	114.3		5	11					
DOUG FIR-T		20.4	11.7	71	80	89					
TOTAL		8.9	5.1	204	215	226	4	1	0		
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		6.7	3.8	18,134	18,854	19,575					
DOUG FIR-S											
DOUG FIR-T		21.1	12.1	7,217	8,206	9,196					
TOTAL		8.2	4.7	25,790	27,061	28,332	4	1	0		
CL	68.1	COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR-L		7.3	4.1	4,167	4,348	4,528					
DOUG FIR-S											

TC PSTATS		PROJECT STATISTICS						PAGE	2
		PROJECT LOUSSTEW						DATE	9/27/2022
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
03N	05	19	00U5	00PC	17.00	4	43	S	W
CL	68.1	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR-T		19.8	11.3	1,842	2,076	2,311			
TOTAL		3.5	2.0	6,297	6,424	6,551	1	0	0

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T03N R05W S19 Ty00PC

17.00

Project: LOUSSTEW

Acres 17.00

Page 1

Date 9/27/2022

Time 1:02:57PM

Spp	S	So	Gr	%	Bd. Ft. per Acre			Total	Percent of Net Board Foot Volume								Average Log				Logs
									Log Scale Dia.				Log Length				Ln Dia Bd CF/				
																	Ft	In	Ft	Lf	
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	L	3M	97	18,409	18,409	313	94	6	14	38	48	34	8	91	0.61	202.7					
DF	L	4M	3	446	446	8	100		100			25	7	35	0.38	12.7					
DF Totals				70	18,854	18,854	321	94	6	16	37	47	33	8	88	0.60	215.5				
DF	T	CU										7	14		0.00	6.6					
DF	T	3M	86	1.2	7,150	7,060	120	93	7		2	98	40	7	76	0.49	92.6				
DF	T	4M	14		1,146	1,146	19	100				18	6	21	0.27	55.5					
DF Totals				30	1.1	8,295	8,206	140	94	6	6	2	7	84	31	7	53	0.44	154.7		
DF	S	CU										41	6		0.00	9.2					
DF Totals												41	6		0.00	9.2					
Totals					0.3	27,150	27,061	460	94	6	2	12	28	59	33	8	71	0.52	379.3		

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		9/27/2022	
		T03N R05W S19 Ty00PC										17.00		Project		LOUSSTEW						Time:		1:02:58PM	
														Acres		17.00						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	T o t a l s											
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF									
DF L		12	2	88	88	12.732	10.00	25.46	10.5	40.0	7.62	267	1,019	130	45	17									
DF L		13	4	88	92	21.698	20.00	43.40	13.8	56.2	17.02	597	2,441	289	102	41									
DF L		14	5	89	99	23.386	25.00	46.77	18.5	90.0	24.69	866	4,209	420	147	72									
DF L		15	1	88	95	4.074	5.00	8.15	19.6	90.0	4.56	160	733	77	27	12									
DF L		16	7	88	98	25.067	35.00	50.13	24.3	107.9	34.70	1,218	5,407	590	207	92									
DF L		17	5	89	103	15.860	25.00	31.72	27.9	116.0	25.26	886	3,680	429	151	63									
DF L		18	1	89	97	2.829	5.00	5.66	30.6	120.0	4.93	173	679	84	29	12									
DF L		21	1	88	96	2.079	5.00	4.16	43.2	165.0	5.12	180	686	87	31	12									
DF L		Totals	26	88	96	107.726	130.00	215.45	20.2	87.5	123.90	4,348	18,854	2,106	739	321									
DF T		9	1	87	74	11.318	5.00	11.32	8.5	40.0	2.73	96	453	46	16	8									
DF T		10	1	88	78	9.167	5.00	9.17	12.8	60.0	3.33	117	550	57	20	9									
DF T		11	3	88	81	22.729	15.00	30.31	12.2	50.0	10.52	369	1,515	179	63	26									
DF T		12	6	88	85	38.197	30.00	57.30	13.7	52.2	22.43	787	2,992	381	134	51									
DF T		13	2	88	91	10.849	10.00	21.70	13.9	57.5	8.62	302	1,248	146	51	21									
DF T		15	1	87	82	4.074	5.00	8.15	14.3	50.0	3.33	117	407	57	20	7									
DF T		19	2	88	93	5.079	10.00	10.16	28.4	102.5	8.21	288	1,041	140	49	18									
DF T		Totals	16	88	83	101.413	80.00	148.09	14.0	55.4	59.18	2,076	8,206	1,006	353	140									
DF S		10	1	88	80	9.167	5.00																		
DF S		Totals	1	88	80	9.167	5.00																		
Totals		43	88	90		218.307	215.00	363.54	17.7	74.4	183.08	6,424	27,061	3,112	1,092	460									

TC		PLOGSTVB																		Log Stock Table - MBF									
T03N R05W S19 Ty00PC				17.00		Project: LOUSSTEW Acres 17.00										Page 1													
																Date 9/27/2022													
																Time 1:02:56PM													
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches																					
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+										
DF	L	3M	28	13		13	4.0				13																		
DF	L	3M	29	9		9	2.8				4	5																	
DF	L	3M	30	21		21	6.5				8	13																	
DF	L	3M	31	4		4	1.2				4																		
DF	L	3M	32	27		27	8.3				9		18																
DF	L	3M	33	30		30	9.3						30																
DF	L	3M	34	35		35	11.0				14		21																
DF	L	3M	35	23		23	7.3				4		19																
DF	L	3M	36	83		83	25.7				26		48	9															
DF	L	3M	37	9		9	2.9						9																
DF	L	3M	38	28		28	8.9				10		9		10														
DF	L	3M	39	2		2	.7				2																		
DF	L	3M	40	29		29	9.1				10		19																
DF	L	4M	24	4		4	1.4					4																	
DF	L	4M	26	3		3	1.0				3																		
DF		Totals			321		321	69.7			94	36	173	9	10														
DF	T	3M	33	2		2	1.5				2																		
DF	T	3M	40	119	1.3	118	84.5				72	31	6	8															
DF	T	4M	12	4		4	3.0				4																		
DF	T	4M	17	2		2	1.3				2																		
DF	T	4M	19	2		2	1.6				2																		
DF	T	4M	20	1		1	.6				1																		
DF	T	4M	21	3		3	2.0				3																		
DF	T	4M	31	8		8	5.5				8																		
DF		Totals			141	1.1	140	30.3			93	31	6	8															
Total		All Species			462		460	100.0			187	67	180	17	10														

TC PSTATS			PROJECT STATISTICS						PAGE	1
			PROJECT LOUSSTEW						DATE	9/27/2022
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
03N	05	30	00U6	00PC	22.00	5	57	S	W	
Unit 6										
			TREES		ESTIMATED	PERCENT				
			PER PLOT		TOTAL	SAMPLE				
			PLOTS	TREES	TREES	TREES				
TOTAL	5	57	11.4							
CRUISE	5	57	11.4		4,556		1.3			
DBH COUNT										
REFOREST										
COUNT										
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR-L	32	90.6	16.1	102	31.9	128.0	20,244	20,244	4,583	4,583
DOUG FIR-S	1	1.4	23.0	93	0.8	4.0				
DOUG FIR-T	21	103.8	12.2	87	24.1	84.0	10,094	9,991	2,381	2,381
R ALDER-L	3	11.2	14.0	76	3.2	12.0	1,549	1,549	356	356
TOTAL	57	207.1	14.2	93	60.5	228.0	31,887	31,783	7,321	7,321
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL	68.1	COEFF	SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	50.5	8.9		237	260	283				
DOUG FIR-S										
DOUG FIR-T	39.5	8.8		99	108	118				
R ALDER-L	47.2	32.6		103	153	203				
TOTAL	66.1	8.7		177	194	211	174	44	19	
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	47.1	8.3		54	59	63				
DOUG FIR-S										
DOUG FIR-T	45.2	10.1		24	26	29				
R ALDER-L	44.8	31.0		24	35	46				
TOTAL	61.9	8.2		41	44	48	153	38	17	
CL	68.1	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	27.3	13.6		78	91	103				
DOUG FIR-S	223.6	111.1			1	3				
DOUG FIR-T	56.3	28.0		75	104	133				
R ALDER-L	137.9	68.5		4	11	19				
TOTAL	36.8	18.3		169	207	245	67	17	7	
CL	68.1	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	14.0	6.9		119	128	137				
DOUG FIR-S	223.6	111.1			4	8				
DOUG FIR-T	42.6	21.2		66	84	102				
R ALDER-L	149.1	74.1		3	12	21				
TOTAL	14.7	7.3		211	228	245	11	3	1	
CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR-L	21.6	10.8		18,067	20,244	22,421				
DOUG FIR-S										
DOUG FIR-T	49.6	24.6		7,530	9,991	12,452				
R ALDER-L	166.9	82.9		264	1,549	2,833				

TC PSTATS				PROJECT STATISTICS				PAGE	2
				PROJECT LOUSSTEW				DATE	9/27/2022
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
03N	05	30	00U6	00PC	22.00	5	57	S	W
CL	68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL		15.1	7.5	29,403	31,783	34,164	11	3	1
CL	68.1	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR-L		19.4	9.7	4,140	4,583	5,026			
DOUG FIR-S									
DOUG FIR-T		44.9	22.3	1,850	2,381	2,913			
R ALDER-L		163.9	81.5	66	356	646			
TOTAL		13.3	6.6	6,839	7,321	7,803	9	2	1

TC		Species, Sort Grade - Board Foot Volumes (Project)																				
<div>T03N R05W S30 Ty00PC22.00</div>				<div>Project: LOUSSTEW</div> <div>Acres22.00</div>								<div>Page1</div> <div>Date9/27/2022</div> <div>Time2:36:44PM</div>										
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf		
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	L		3M	100		20,244	20,244	445		68	28	4		35	20	45	33	9	102	0.70	198.1	
DF Totals				64		20,244	20,244	445		68	28	4		35	20	45	33	9	102	0.70	198.1	
DF	T		CU														13	6		0.00	4.3	
DF	T		3M	86	1.2	8,760	8,657	190		100					6	94	39	7	80	0.49	107.6	
DF	T		4M	14		1,334	1,334	29		100			11	89			23	6	28	0.30	47.0	
DF Totals				31	1.0	10,094	9,991	220		100			1	12	5	82	34	7	63	0.44	158.9	
DF	S		CU														38	11		0.00	2.8	
DF Totals																	38	11		0.00	2.8	
RA	L		3M	76		1,192	1,192	26		64	36			36	64		31	9	97	0.71	12.2	
RA	L		CR	24		357	357	8		100						100	37	7	70	0.46	5.1	
RA Totals				5		1,549	1,549	34		72	28			28	49	23	33	9	89	0.63	17.3	
Totals					0.3	31,887	31,783	699		78	19	3		0	28	17	55	34	8	84	0.58	377.1

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		9/27/2022	
T03N R05W S30 Ty00PC					22.00					Project					LOUSSTEW					Time:		2:36:45PM			
										Acres					22.00					Grown Year:					
S Sp	T	Tot			Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals												
		Sample DBH	Trees	FF 16'				Av Ht	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF									
DF	L	12	2	88	91	10.186	8.00	20.37	10.7	42.5	6.21	218	866	137	48	19									
DF	L	13	1	89	104	4.340	4.00	8.68	15.5	75.0	3.85	135	651	85	30	14									
DF	L	14	4	88	95	14.967	16.00	29.93	17.3	78.8	14.75	518	2,357	325	114	52									
DF	L	15	4	89	106	13.038	16.00	26.08	21.9	100.0	16.30	572	2,608	359	126	57									
DF	L	16	6	88	101	17.189	24.00	34.38	25.1	110.0	24.62	864	3,782	542	190	83									
DF	L	17	4	89	101	10.151	16.00	25.38	22.2	97.0	16.07	564	2,462	353	124	54									
DF	L	18	4	88	102	9.054	16.00	18.11	32.2	123.8	16.62	583	2,241	366	128	49									
DF	L	19	3	89	111	6.095	12.00	18.28	25.4	118.9	13.26	465	2,174	292	102	48									
DF	L	21	1	89	128	1.663	4.00	4.99	35.7	170.0	5.08	178	848	112	39	19									
DF	L	22	1	89	130	1.515	4.00	4.55	39.8	190.0	5.16	181	864	113	40	19									
DF	L	24	1	86	110	1.273	4.00	3.82	39.6	183.3	4.32	151	700	95	33	15									
DF	L	25	1	84	114	1.173	4.00	3.52	43.8	196.7	4.39	154	692	97	34	15									
DF	L	Totals	32	88	102	90.644	128.00	198.08	23.1	102.2	130.63	4,583	20,244	2,874	1,008	445									
DF	T	10	5	88	79	36.669	20.00	36.67	12.4	60.0	12.94	454	2,200	285	100	48									
DF	T	11	2	87	78	12.122	8.00	12.12	14.8	60.0	5.13	180	727	113	40	16									
DF	T	12	2	88	103	10.186	8.00	20.37	13.2	60.0	7.64	268	1,222	168	59	27									
DF	T	13	4	88	96	17.358	16.00	30.38	15.6	61.4	13.50	474	1,866	297	104	41									
DF	T	14	5	88	92	18.709	20.00	37.42	16.7	68.0	17.84	626	2,544	393	138	56									
DF	T	15	2	89	94	6.519	8.00	13.04	19.3	75.0	7.16	251	978	157	55	22									
DF	T	18	1	87	89	2.264	4.00	4.53	28.4	100.0	3.66	128	453	80	28	10									
DF	T	Totals	21	88	87	103.827	84.00	154.52	15.4	64.7	67.86	2,381	9,991	1,493	524	220									
RA	L	12	1	88	62	5.093	4.00	5.09	17.2	70.0	2.40	87	357	53	19	8									
RA	L	15	1	93	91	3.259	4.00	6.52	20.8	95.0	3.73	136	619	82	30	14									
RA	L	16	1	92	85	2.865	4.00	5.73	23.3	100.0	3.66	133	573	81	29	13									
RA	L	Totals	3	90	76	11.217	12.00	17.34	20.5	89.3	9.80	356	1,549	216	78	34									
DF	S	23	1	88	93	1.386	4.00																		
DF	S	Totals	1	88	93	1.386	4.00																		
Totals		57	88	93	207.074	228.00	369.95	19.8	85.9	208.29	7,321	31,783	4,582	1,611	699										

TC		PLOGSTVB		Log Stock Table - MBF																	
<div>T03N R05W S30 Ty00PC22.00</div>				Project: Acres		LOUSSTEW 22.00		Page 1													
								Date 9/27/2022													
								Time 2:36:43PM													
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Sp	Net Volume by Scaling Diameter in Inches													
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+		
DF	L	3M	26	6		6	1.3			6											
DF	L	3M	27	9		9	2.0					9									
DF	L	3M	28	76		76	17.0		8	6	27	8	27								
DF	L	3M	29	21		21	4.8		6	6				9							
DF	L	3M	30	46		46	10.3		6		17	13		9							
DF	L	3M	31	16		16	3.6		2		9	5									
DF	L	3M	32	13		13	2.8		13												
DF	L	3M	33	20		20	4.5			10				11							
DF	L	3M	34	39		39	8.8		7		9	12		11							
DF	L	3M	36	73		73	16.4		13		51	9									
DF	L	3M	37	3		3	.7		3												
DF	L	3M	38	52		52	11.7		21		31										
DF	L	3M	39	23		23	5.1		4		9	9									
DF	L	3M	40	49		49	11.0		17		23	10									
DF		Totals		445		445	63.7		100	27	176	75	37	30							
DF	T	3M	34	4		4	1.9		4												
DF	T	3M	35	8	12.5	7	3.0			7											
DF	T	3M	38	29		29	13.2		29												
DF	T	3M	40	152		151	68.5		35	107	8										
DF	T	4M	15	3		3	1.5		3												
DF	T	4M	22	6		6	2.7		6												
DF	T	4M	23	3		3	1.5		3												
DF	T	4M	25	5		5	2.3		5												
DF	T	4M	26	3		3	1.3		3												
DF	T	4M	27	7		7	3.4		7												
DF	T	4M	28	1		1	.7		1												
DF		Totals		222	1.0	220	31.4		98	113	8										
RA	L	3M	30	9		9	27.7					9									
RA	L	3M	31	12		12	36.6		3		9										
RA	L	3M	32	4		4	12.6		4												
RA	L	CR	37	8		8	23.0		8												
RA		Totals		34		34	4.9		15		9	9									
Total		All Species		702		699	100.0		214	140	194	85	37	30							

Volume Summary
(Shown in MBF)
Lou's Stew
FG-341-2023-W00944-01
September 2022

UNIT 1: PC-L (49 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	533	68	601
	Hidden D&B (2%)	(0)	(11)	(1)	(12)
	NET TOTAL	0	522	67	589
	% of Total	0	89	11	

UNIT 2: PC-M (66 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	746	110	856
	Hidden D&B (2%)	(0)	(15)	(2)	(17)
	NET TOTAL	0	731	108	839
	% of Total	0	87	13	

UNIT 3: MC (53 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	998	131	1,129
	Hidden D&B (2%)	(0)	(20)	(3)	(23)
	NET TOTAL	0	978	128	1,106
	% of Total	0	88	12	

UNIT 4: PC-M (23 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	157	22	179
	Hidden D&B (2%)	(0)	(3)	(0)	(3)
	NET TOTAL	0	154	22	176
	% of Total	0	88	12	

UNIT 5: PC-M (17 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	120	19	139
	Hidden D&B (2%)	(0)	(2)	(0)	(2)
	NET TOTAL	0	118	19	137
	% of Total	0	86	14	

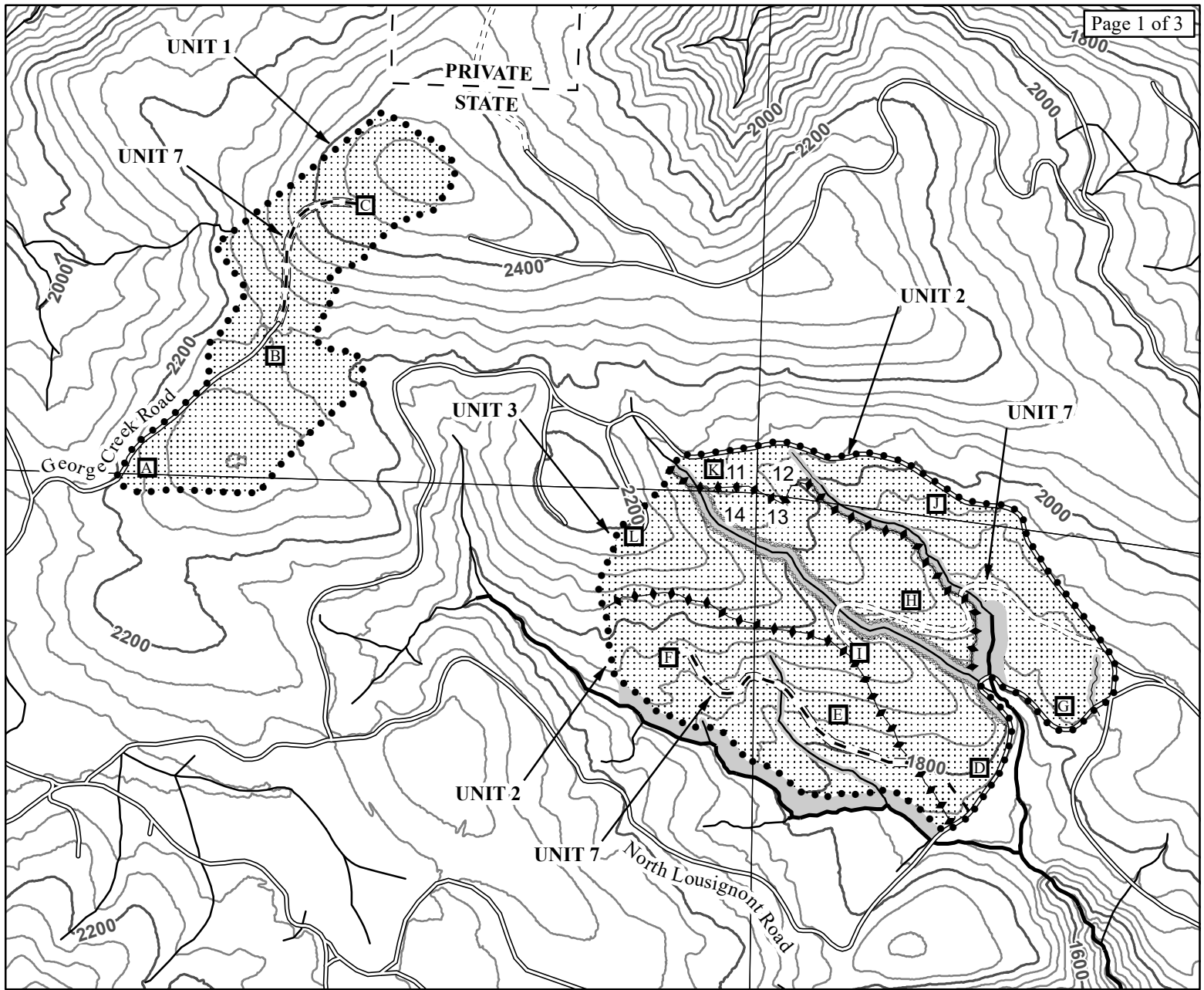
UNIT 6: PC-L (22 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	0	190	29	219
	Hidden D&B (2%)	(0)	(4)	(1)	(5)
	NET TOTAL	0	186	28	214
	% of Total	0	87	13	

UNIT 7: R/W (8 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	57	183	26	266
	Hidden D&B (2%)	(1)	(4)	(1)	(6)
	NET TOTAL	56	179	25	260
	% of Total	21	69	10	

SALE TOTAL					
SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir		56	2,868	397	3,321
Total		56	2,868	397	3,321



Legend

- Timber Sale Boundary
- ◆◆◆◆ Area Boundary
- ~~~~~ Stream Buffer Boundary
- == Right-of-Way Boundary
- ┌ ─ ─ ─ ┐ ODF Ownership Boundary
- Surfacd Road
- - - - Unsurfaced Road
- - - - New Road Construction
- Type-F Stream
- Type-N Stream
- ▒ Stream Buffer
- Tractor Landing
- ▒ Tractor Yarding Area
- ▒ Section Lines
- 40 Foot Contour Band
- 200 Foot Contour Band

LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2023-W00944-01
 LOU'S STEW
 PORTIONS OF SECTIONS 19, 29, 30, & 32, T3N, R5W, W.M.,
 WASHINGTON COUNTY, OREGON
 PORTIONS OF SECTION 11, 12, 13, 14, & 24, T3N, R6W, W.M.,
 TILLAMOOK COUNTY, OREGON



APPROXIMATE NET ACRES

	TRACTOR	CABLE
UNIT 1	49	0
UNIT 2	66	0
UNIT 3	53	0
UNIT 4	23	0
UNIT 5	17	0
UNIT 6	22	0
UNIT 7 (R/W)	8	0
TOTAL	238	0

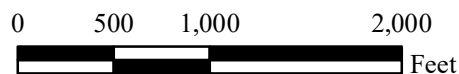
Forest Grove District GIS

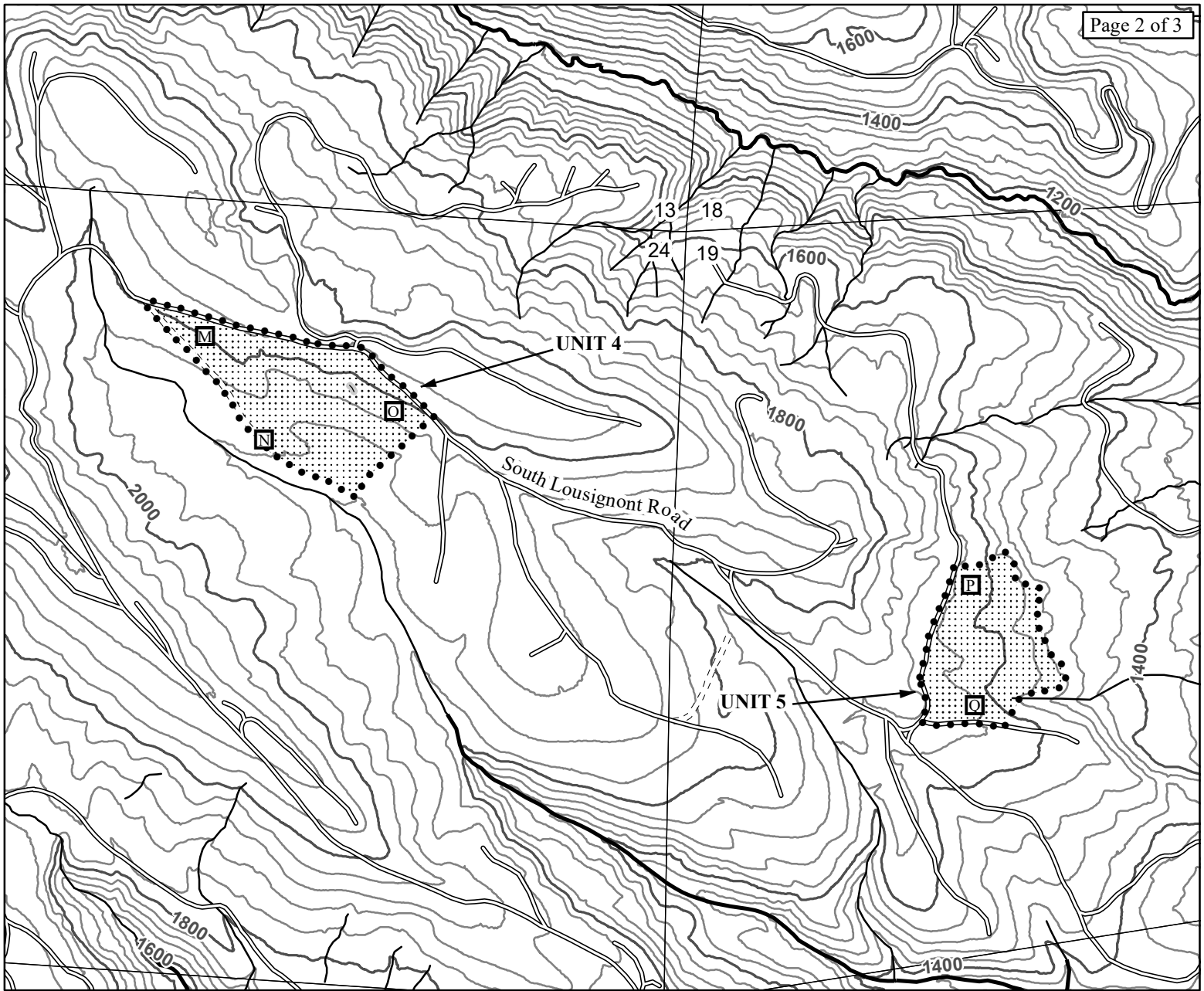
September, 2022

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





LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2023-W00944-01
 LOU'S STEW
 PORTIONS OF SECTIONS 19, 29, 30, & 32, T3N, R5W, W.M.,
 WASHINGTON COUNTY, OREGON
 PORTIONS OF SECTION 11, 12, 13, 14, & 24, T3N, R6W, W.M.,
 TILLAMOOK COUNTY, OREGON

Legend

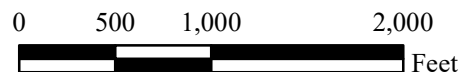
- Timber Sale Boundary
- Surfaced Road
- ==== Unsurfaced Road
- Type-F Stream
- Type-N Stream
- Stream Buffer
- Tractor Landing
- Tractor Yarding Area
- Section Lines
- 40 Contour Band
- 200 Contour Band

Forest Grove District GIS
 September, 2022

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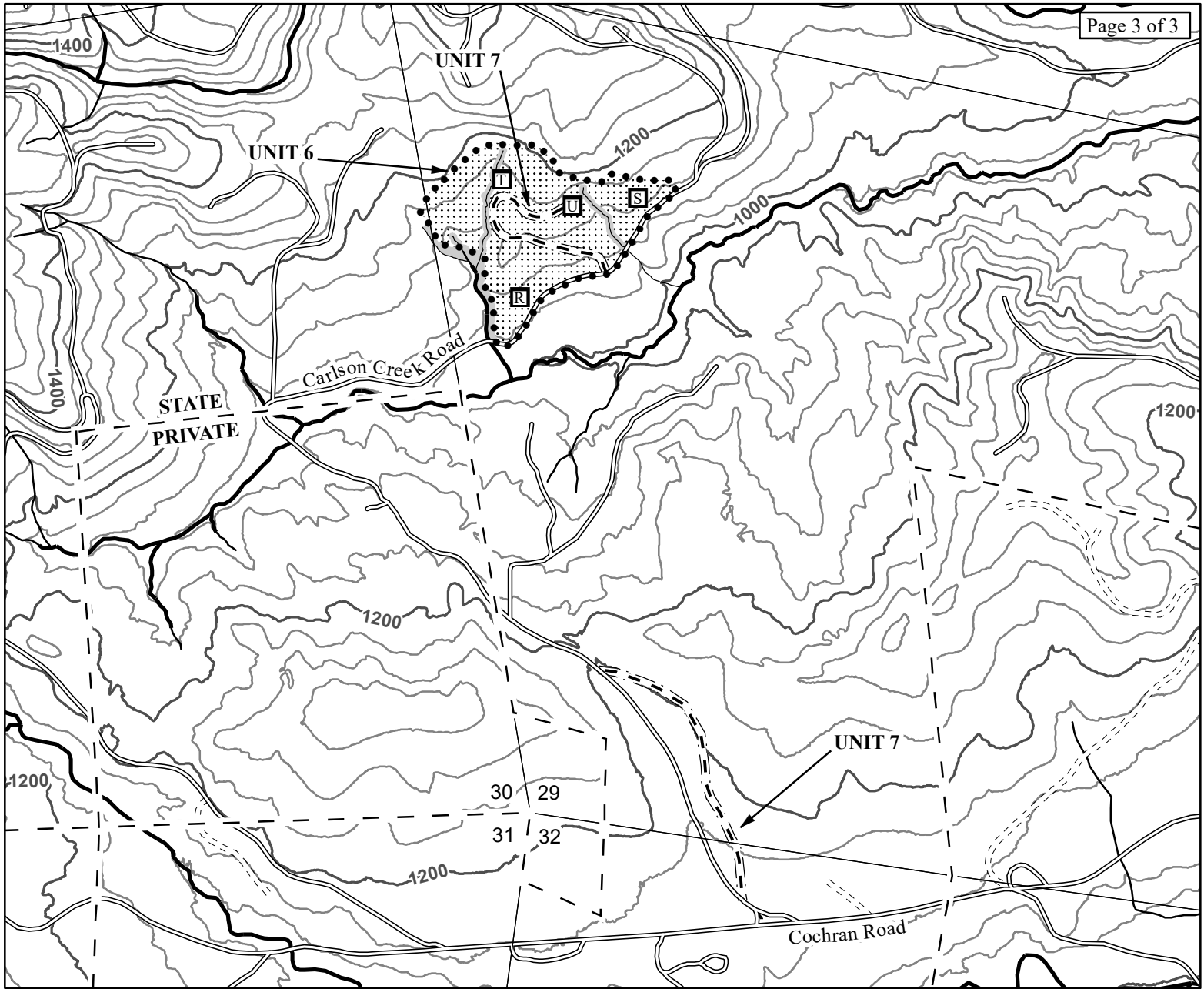
1:12,000

1 inch = 1,000 feet



APPROXIMATE NET ACRES

	TRACTOR □ CABLE	
	TRACTOR	CABLE
UNIT 1	49	0
UNIT 2	66	0
UNIT 3	53	0
UNIT 4	23	0
UNIT 5	17	0
UNIT 6	22	0
UNIT 7 (R/W)	8	0
TOTAL	238	0



Legend

- Timber Sale Boundary
- : — Right-of-Way Boundary
- — — ODF Ownership Boundary
- ==== Surfed Road
- ===== Unsurfaced Road
- - - New Road Construction
- Type-F Stream
- Type-N Stream
- Stream Buffer
- Tractor Landing
- ▤ Tractor Yarding Area
- County Lines
- Section Lines
- 40 Contour Band
- 200 Contour Band

LOGGING PLAN

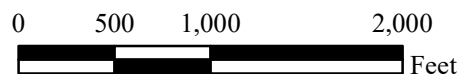
FOR TIMBER SALE CONTRACT #FG-341-2023-W00944-01
 LOU'S STEW
 PORTIONS OF SECTIONS 19, 29, 30, & 32, T3N, R5W, W.M.,
 WASHINGTON COUNTY, OREGON
 PORTIONS OF SECTION 11, 12, 13, 14, & 24, T3N, R6W, W.M.,
 TILLAMOOK COUNTY, OREGON

Forest Grove District GIS
 September, 2022

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



APPROXIMATE NET ACRES

	TRACTOR CABLE	
UNIT 1	49	0
UNIT 2	66	0
UNIT 3	53	0
UNIT 4	23	0
UNIT 5	17	0
UNIT 6	22	0
UNIT 7 (R/W)	8	0
TOTAL	238	0