



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Triple Divide
Sale AT-341-2026-W01189-01

District: Astoria

Date: May 22, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,509,791.03	\$31,728.24	\$1,541,519.27
		Project Work:	(\$64,127.00)
		Advertised Value:	\$1,477,392.27



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District: Astoria

Date: May 22, 2025

Timber Description

Location:

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	16	0	97
Western Hemlock / Fir	23	0	96
Sitka Spruce	23	0	95
Alder (Red)	13	0	95

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	621	832	0	0	0	0	0	1,453
Western Hemlock / Fir	1,999	432	0	0	0	0	0	2,431
Sitka Spruce	99	102	36	0	0	0	0	237
Alder (Red)	0	0	0	19	61	29	39	148
Total	2,719	1,366	36	19	61	29	39	4,269

Comments: Pond Values Used: Local Pond Values, May, 2025.

Expected Log Markets: Clatskanie, Warrenton, Forest Grove, Tillamook, Mist, Wauna, Willamina, Kalama, WA, Longview, WA, and Chehalis, WA.

PRICING:

Western Red Cedar = pond value - (Douglas-fir) logging cost.
\$902.31/MBF = \$1,200/MBF - \$297.69/MBF

Bigleaf Maple = pond value - (Douglas-fir) logging cost.
\$22.31/MBF = \$320/MBF - \$297.69/MBF

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

Machine Washing for Invasive Weed Compliance (entering and leaving) = \$2,000

Ditch Filters:

6 bales of straw @ \$12/bale = \$72

2 hours of labor (installation/removal) @ \$50/hr = \$100

Total P&R Cost = \$2,172

Other Costs (No Profit & Risk added): None

SLASH PILING

(See attached appraisal. Includes move-in and pile materials) = \$17,080.83

ROAD MAINTENANCE

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: \$4.74/MBF = \$20,218/4,269 MBF



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Logging Conditions

Combination#: 1

Douglas - Fir	81.00%
Western Hemlock / Fir	81.00%
Sitka Spruce	81.00%
Alder (Red)	81.00%

Logging System: Shovel **Process:** Manual Falling/Delimbing

yarding distance: Medium (800 ft) **downhill yarding:** No

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

loads / day: 19 **bd. ft / load:** 4600

cost / mbf: \$114.42

machines: Shovel Logger

Combination#: 2

Douglas - Fir	19.00%
Western Hemlock / Fir	19.00%
Sitka Spruce	19.00%
Alder (Red)	19.00%

Logging System: Cable: Small Tower <=40 **Process:** Stroke Delimber

yarding distance: Short (400 ft) **downhill yarding:** No

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

loads / day: 11 **bd. ft / load:** 4600

cost / mbf: \$146.87

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



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Triple Divide Sale AT-341-2026-W01189-01

District: Astoria

Date: May 22, 2025

Logging Costs

Operating Seasons: 3.00	Profit Risk: 12%
Project Costs: \$64,127.00	Other Costs (P/R): \$2,172.00
Slash Disposal: \$17,080.83	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$4.74

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	4.9
Western Hemlock / Fir	\$0.00	3.0	4.5
Sitka Spruce	\$0.00	2.0	5.2
Alder (Red)	\$0.00	2.0	4.5



Timber Sale Appraisal
Triple Divide
Sale AT-341-2026-W01189-01

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Date: May 22, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$120.59	\$4.88	\$3.08	\$131.38	\$0.51	\$31.25	\$4.00	\$2.00	\$0.00	\$297.69
Western Hemlock / Fir									
\$120.59	\$4.93	\$3.08	\$96.29	\$0.51	\$27.05	\$4.00	\$2.00	\$0.00	\$258.45
Sitka Spruce									
\$120.59	\$4.98	\$3.08	\$126.20	\$0.51	\$30.64	\$4.00	\$2.00	\$0.00	\$292.00
Alder (Red)									
\$120.59	\$4.98	\$3.08	\$145.83	\$0.51	\$33.00	\$4.00	\$2.00	\$0.00	\$313.99

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$821.67	\$523.98	\$0.00
Western Hemlock / Fir	\$0.00	\$549.80	\$291.35	\$0.00
Sitka Spruce	\$0.00	\$461.52	\$169.52	\$0.00
Alder (Red)	\$0.00	\$528.37	\$214.38	\$0.00



Timber Sale Appraisal
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Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Sitka Spruce	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,453	\$523.98	\$761,342.94
Western Hemlock / Fir	2,431	\$291.35	\$708,271.85
Sitka Spruce	237	\$169.52	\$40,176.24
Alder (Red)	148	\$214.38	\$31,728.24

Gross Timber Sale Value

Recovery: \$1,541,519.27

Prepared By: Ryan Simpson

Phone: 503-325-5451

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale: Triple Divide
Date: May 22, 2025
By: Ryan Simpson

MBF: 4,269
\$/MBF: \$4.74

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost
Interim Road Maintenance	Grader 14G	\$972	1	8	\$126	\$1,980
	Rubber tired backhoe	\$401	1	4	\$97	\$789
	Dump Truck 12CY	\$205	1	8	\$99	\$997
	Vibratory Roller	\$972	1	8	\$97	\$1,748
Final Road Maintenance	Grader 14G	\$972	1	24	\$126	\$3,996
	Dump Truck 12CY	\$205	2	12	\$99	\$1,598
	FE Loader C966	\$931	1	8	\$108	\$1,795
	Vibratory Roller	\$972	1	24	\$97	\$3,300
	Water Truck 2,500 gallon	\$238	1	12	\$113	\$1,594
	C315 Excavator	\$1,005	1	8	\$127	\$2,021
	Labor			8	\$50	\$400
Total						\$20,218

Interim Operations Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	2.5	2.5	1.0	8

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	4.5	3.0	24
Vibratory Roller	1.5	4.5	3.0	24

Process and compact: All crushed rock roads

Site Prep Appraisal

Sale Name: Triple Divide
Date: 05/22/2025

Vegetation Type/Zone	Vegetation Type/Zone Code	Production Rate (hr/ac)	Estimated Piles/Acre	Landing Production Rate (hrs/30 acres)
Doug-fir	A	0.5	0.5	4
Hemlock/Fir	B	1.0	4.5	6
Hemlock/Spruce	C	1.8	5.0	8
Hemlock	D	1.8	5.0	8
Conifer/Hardwood	E	0.8	2.0	6
Whole Tree Yarding	F	0.5	0.3	10

Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area	
1	CC	F	58	29	\$145.00	\$4,205.00	
2	CC	F	13	7	\$145.00	\$942.50	
3	CC	F	71	36	\$145.00	\$5,147.50	
In-unit Piling						Sub Total =	\$10,295.00
Sale Area	Number of Landings to be Piled	# cable acres per area	Cable Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area	
1	18	13	\$628.33	32.5	\$5.00	\$162.50	
2	5	0	\$0.00	8.25	\$5.00	\$41.25	
3	16	21	\$1,015.00	33.75	\$5.00	\$168.75	
*Cost includes separating firewood and closure of unsurfaced roads.					Materials	Sub Total =	\$372.50
Additional Move-in allowance					Landing Piling	Sub Total =	\$1,643.33
Move-In Allowance	Number of Move-In's	Total Move-In Allowance					
\$1,290.00	1	\$1,290.00					
					Move-In	Sub Total =	\$1,290.00
Slash Endhaul Dump Truck hrs	Cost/Hour	Total	Loader hrs*	Cost/Hour	Total		
0	\$89.00	\$0.00	24	\$145.00	\$3,480.00	Sub Total =	\$3,480.00
						Grand Total =	\$17,080.83

*Removal of reprod to create slash piling space.

SALE NAME: Triple Divide

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
Surfaced	9.75	0.18	\$14,560.33
1A to 1B, 1I to 1J,			
1K to 1L, 3A to 3B			
3E to 3F			
Unsurfaced	34.30	0.65	\$12,345.68
1C to 1D, 1E to 1F,			
1G to 1H, 3C to 3D,			
3G to 3H, 3I to 3J			
Road Maint.			\$666.04
Move-In			\$4,206.83
TOTALS	44.05	0.83	\$31,779

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
I1 to I2, I3 to I4,	256.10	4.85	\$27,387.89
I5 to I6, I7 to I8,			
I9 to I10, I11 to I12,			
I13 to I14, I15 to I16,			
I17 to I18, I19 to I120			
I21 to I22, I23 to I24			
Road Maint.			\$677.96
Move-In			\$4,282.17
TOTALS	256.10	4.85	\$32,348

<u>Description</u>	<u>Length/Vol.</u>	<u>Cost</u>
TOTAL		

Compiled By: Brittany West CB

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Move In and Maintenance Calculator for Construction and Improvement

SALE NAME: Triple Divide

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
Surfaced	9.75	0.18	\$14,560
1A to 1B, 1I to 1J,			
1K to 1L, 3A to 3B			
3E to 3F			
Unsurfaced	34.30	0.65	\$12,346
1C to 1D, 1E to 1F,			
1G to 1H, 3C to 3D,			
3G to 3H, 3I to 3J			
TOTALS	44.05	0.83	\$26,906

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
1I to 12, 13 to 14,	256.10	4.85	\$27,388
15 to 16, 17 to 18,			
19 to 110, 111 to 112,			
113 to 114, 115 to 116,			
117 to 118, 119 to 1120			
121 to 122, 123 to 124			
TOTALS		4.85	\$27,388

MOVE IN (Construction & Improvement Only)

<u>Equipment</u>	<u>Length/Mile</u>	<u>Cost</u>
Vibratory Roller		\$972.00
D8 Dozer		\$1,755.00
C315 Excavator		\$1,005.00
C330 Excavator		\$1,755.00
C966 Loader		\$972.00
14 G Grader		\$972.00
Water Truck (2,500 gal)		\$238.00
Dump Truck 10cy (x4)		\$820.00
TOTAL		\$8,489.00

ROAD MAINTENANCE (Construction & Improvement Only)

	<u>Length/Mile</u>	<u>Cost</u>
Project Road Maintenance		\$1,344.00
TOTAL		\$1,344.00

\$0
\$15,537

SURFACING										
Subgrade prep:			Description				Stations/ amount	x	Rate/ sta/amt	Cost
			Grade, Shape and Ditch 16": 1I to 1J (1), 1K to 1L (2.95), 3A to 3B (3.1), 3C to 3D (20), 3E to 3F (1)				28.05	x	\$30.98	\$868.99
			Grade, Shape, Outslope 14": 1A to 1B (1.7), 1C to 1D (1.5), 1E to 1F (1.6), 1G to 1H (4.1), 3G to 3H (5.7), 3I to 3J (1.4)				16.00	x	\$22.89	\$366.24
Subgrade Compaction:			All segments				44.05	x	\$25.19	\$1,109.62

ROAD SEGMENT										
Application	1A to 1B		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost	
	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1A to 1B	Number of				
Base Rock	6"-0" pit-run	0+00 to 1+70	8	station	50	stations	1.7	\$7.39	\$628	
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1	\$4.31	\$47	
Landings	6"-0" pit-run	1+70	N/A	landing	66	landings	1	\$7.39	\$488	
Total Rock for Road Segment:		1A to 1B							\$1,163	

ROAD SEGMENT										
Application	1C to 1D		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost	
	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1C to 1D	Number of				
Base Rock	6"-0" pit-run	0+00 to 1+50	8	station	50	stations	1.5	\$7.39	\$554	
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1	\$4.31	\$47	
Total Rock for Road Segment:		1C to 1D							\$602	

ROAD SEGMENT										
Application	1E to 1F		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost	
	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1E to 1F	Number of				
Base Rock	6"-0" pit-run	0+00 to 1+60	8	station	50	stations	1.6	\$7.39	\$591	
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1	\$4.31	\$47	
Total Rock for Road Segment:		1E to 1F							\$639	

ROAD SEGMENT			1G to 1H		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1G to 1H	Number of	0+00 to 4+10				
Base Rock	6"-0" pit-run	0+00 to 1+00	8	station	50	stations	1		50	\$7.39	\$370
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47
Total Rock for Road Segment:									61		\$417
ROAD SEGMENT			1I to 1J		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1I to 1J	Number of	0+00 to 1+00				
Base Rock	6"-0" pit-run	0+00 to 1+00	8	station	50	stations	1		50	\$7.39	\$370
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47
Landings	6"-0" pit-run	1+00	N/A	landing	88	landings	1		88	\$7.39	\$650
Total Rock for Road Segment:									149		\$1,067
ROAD SEGMENT			1K to 1L		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	1K to 1L	Number of	0+00 to 2+95				
Base Rock	4"-0" crushed	0+00 to 2+95	8	station	50	stations	2.95		148	\$4.31	\$636
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47
Total Rock for Road Segment:									159		\$683
ROAD SEGMENT			3A to 3B		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	3A to 3B	Number of	0+00 to 3+10				
Base Rock	6"-0" pit-run	0+00 to 3+10	8	station	50	stations	3.1		155	\$7.39	\$1,145
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47
Total Rock for Road Segment:									166		\$1,193
ROAD SEGMENT			3C to 3D		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	3C to 3D	Number of	0+00 to 20+00				
Base Rock	6"-0" pit-run	0+00 to 1+00	8	station	50	stations	1		50	\$7.39	\$370
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47
Total Rock for Road Segment:									61		\$417

ROAD SEGMENT				3E to 3F		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	3E to 3F	Number of	0+00 to 1+00					
Base Rock	6"-0" pit-run	0+00 to 1+00	8	station	50	stations	1		50	\$7.39	\$370	
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47	
Total Rock for Road Segment:										61		\$417
ROAD SEGMENT				3G to 3H		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	3G to 3H	Number of	0+00 to 5+70					
Base Rock	6"-0" pit-run	0+00 to 1+00	8	station	50	stations	1		50	\$7.39	\$370	
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions	1		11	\$4.31	\$47	
Total Rock for Road Segment:										61		\$417
Processing:												
Description						No.sta	Rate/sta	Cost				
Water, Process & Compact Base Rock (4"-0"): 1K to 1L (2.95)						2.95	\$70.47	\$207.89				
Compact Pit-Run (6"-0"): 1A to 1B (1.7), 1C to 1D (1.4), 1E to 1F (1.6), 1G to 1H (1), 1I to 1J (1), 3A to 3B (3.1), 3C to 3D (1), 3E to 3F (1), 3G to 3H (1)						12.9	\$39.35	\$507.62				
SUB TOTAL						1 1/2"-0"	crushed	Total				
FOR 6"-0"pit-run						799	181	77				
SURFACING												
										1,057		\$10,075

SPECIAL PROJECTS				Description		Cy/Amount		Rate		Cost	
				pit-run development		(\$/cy)		799		\$1.62	
										\$1,294	
SUB TOTAL FOR SPECIAL PROJECTS										\$1,294	
										\$11,369	
										\$15,537	
GRAND TOTAL										\$26,906	

Compiled By: Brittany West Date: 05/20/2025

Subtotal of Surfacing & Spec. Proj. \$11,369
Subtotal of Clearing, Exc., Culv. \$15,537

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Triple Divide
ROAD: I1 to I2 (100), I3 to I4 (30.1), I5 to I6 (3.1),
I7 to I8 (9.35), I9 to I10 (3.7), I11 to I12 (10.75),
I13 to I14 (18.1), I15 to I16 (5.5), I17 to I18 (21.5),
I19 to I20 (18.45), I21 to I22 (3.85), I23 to I24 (33.7)
POINTS:

NEW CONSTRUCTION: STATIONS
IMPROVEMENT: 256.10 STATIONS 4.85 MILES

CLEARING & GRUBBING						
Method	Acres/amount	x	Rate	=	Cost	
SUB TOTAL FOR CLEARING & GRUBBING						\$0

EXCAVATION						
Material	Cy/amount	x	Rate	=	Cost	
All Segments						
Establish drainage (C315/hr)	10.0	x	\$127.00	=	\$1,270.00	
Clear debris (14G/hr)	20.0	x	\$126.00	=	\$2,520.00	
I1 to I2						
58+80 to 61+15						
Reestablish ditch (C315/hr)	2.0	x	\$127.00	=	\$254.00	
I9 to I10						
3+70						
Clear vegetation from landing (C330/hr)	4.0	x	\$195.00	=	\$780.00	
I21 to I22						
0+00 to 3+85						
Clear vegetation from road prism (C315/hr)	4.0	x	\$124.00	=	\$496.00	
(laborer/hr)	4.0	x	\$50.00	=	\$200.00	
SUB TOTAL FOR EXCAVATION						\$5,520

CULVERT MATERIALS AND INSTALLATION									
Location	Dia/type	Lineal ft.	Rate	Cost	Location	Dia/type	Lineal ft.	Rate	Cost

Other/miscellaneous:	Description	Quantity	Rate	Cost
Culvert stakes & markers:				
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION				
				\$0

Subtotal of Clearing, Exc., Culv. \$5,520

SURFACING									
Subgrade prep:			Description		Stations/ amount		Rate/ sta/amt		Cost
Grade, Shape and Ditch 16': I1 to I2 (100)					100		x		\$3,098.00
Subgrade Compaction: I1 to I2 (83.3)					83.3		x		\$2,098.33
Spot Grade (14G/hr): I23 to I24 (33.7)					4		x		\$504.00
Sod Removal: I21 to I22 (3.85) (Grader, Backhoe)					3.85		x		\$155.04
ROAD SEGMENT		I1 to I2		POINT TO POINT		Sta. to Sta.			
Application	Rock Size and Type	Location	Depth of Rock (inches)	I1 to I2		0+00 to 100+00		TOTAL VOLUME (CY)	Rate/ Sta./ amt.
				Volume (CY) per station	13	Number of stations	83.3		
Surfacing	1 1/2"-0" crushed	16+70 to 100+00	2					1,083	\$4,668
		27+85, 31+80, 42+50, 64+00, 84+20, 91+60, 95+00							
Turnouts	1 1/2"-0" crushed	59+70	N/A	turnout	11	turnouts	7	77	\$332
Turnouts	1 1/2"-0" crushed	59+70	N/A	turnout	22	turnouts	1	22	\$95
Turnarounds	4"-0" crushed	48+95, 55+65, 91+60, 95+90	N/A	turnaround	44	turnarounds	4	176	\$759
Junctions	1 1/2"-0" crushed	17+95, 26+30, 39+15, 73+30,	N/A	junction	11	junctions	4	44	\$190
Junctions	1 1/2"-0" crushed	75+70	N/A	junction	22	junctions	1	22	\$95
Total Rock for Road Segment:					I1 to I2		1,424		\$6,137
Processing:			Description		No sta		Rate/sta		Cost
			Water, Process & Compact: I1 to I2 (100), I23 to I24 (33.7)		133.70		\$73.86		\$9,875
					SUB TOTAL FOR SURFACING		4"-0" crushed 176		1 1/2"-0" crushed 1,248
							Total		1,424

Projects Road Maintenance Cost Summary

Sale: Triple Divide
Date: 21-May-25
By: Brittany West

Type	Equipment/Rationale			Hours	Rate	Cost
Project Work	Grader 14G			4	\$126	\$504
Final Haul	Dump Truck 12CY					
Road	FE Loader C966					
Maintenance	Vibratory Roller			4	\$97	\$388
	Water Truck 2,500 gallon			4	\$113	\$452
Total						\$1,344

Production Rates

Grader

Vibratory Roller

Miles/day	Distance(miles)	Days
1.5	0.51	0.3
1.5	0.51	0.3

NOTE: Hamlet Stockpile Road	0.25	Miles
Suess Alley/Soapstone Quarry	0.26	Miles
		Miles
		Miles
TOTAL=	0.51	Miles

CRUSHED ROCK COST

SALE NAME:	Triple Divide
PROJECT:	Nos. 1 and 2
Stockpile:	Hamlet Stockpile

MATERIAL: 1 1/2"-0", 4"-0"

DATE: 05/22/2025
BY: Brittany West

[illegible]

ROCK HAUL:

Truck type: D20 No. trucks:
 Delay min.: 8 Efficiency: 85%

Ave haul:	\$2.91	/cy
Load:	\$0.53	/cy
Spread:	\$0.87	/cy

Truck type:	<u>D12</u>	No. trucks:	<u>4</u>
Delay min.:	<u>6</u>	Efficiency:	<u>85%</u>

Truck type: D10 No. trucks:
 Delay min.: 5 Efficiency: 85%

Production: cy/day = 1,087

CRUSHED ROCK HAUL COSTS 1,682 cy @ \$4.31 /cy

PIT RUN ROCK COST

SALE NAME:	Triple Divide
PROJECT:	Nos. 1 and 2
QUARRY:	Soapstone Quarry

MATERIAL: Pit-Run

DATE: 05/21/2025
BY: Brittany West

[illegible]

ROCK HAUL:

Truck type: D20 No. trucks:
 Delay min.: 8 Efficiency: 85%

Ave haul:	\$6.06	/cy
Load:	\$0.46	/cy
Spread:	\$0.87	/cy

Truck type: D12 No. trucks: 4
 Delay min.: 6 Efficiency: 85%

Truck type: D10 No. trucks:
 Delay min.: 5 Efficiency: 85%

Production: cy/day = 522

PIT RUN ROCK HAUL COSTS

799 cy @ \$7.39 /cy

Triple Divide TIMBER CRUISE REPORT FY 2025

1. **Sale Area Location:** Portions of Section 6 of T4N, R8W, W.M., and Portions of Sections 1, 2, and 12 of T4N, R9W, W.M., Clatsop County, Oregon
2. **Fund Distribution:** BOF 98.2% CSL 1.80%. Tax Code: 10-14 = 36.00%, 10-02 = 62.00%
3. **Sale Acreage by Area:**

Unit	Harvest Type	Gross Acres	Stream Buffer Acres	Reserve Tree Area	Existing R/W Acres	New R/W	Net Acres	Survey Method
1	Clearcut	82	5	-	5	1	71	GIS
2	Clearcut	15	1	-	1	-	13	GIS
3	Clearcut	111	10	3	6	<1	92	GIS
4	R/W	1	-	-	-	-	1	LxW
TOTALS		209	16	3	12	1	177	

4. **Cruisers and Cruise Dates:** Avery Petersen, John Czarnecki, Ryan Simpson, Michele Huffman and Justin Bush (05/16/2025 - 05/20/2025)

5. Cruise Method and Computation:

Unit 1 & 2: Units 1 and 2 were variable plot cruised with a 40 BAF. A total of 56 plots were sampled on a five chain by three and a half chain spacing with a count to grade ratio of 2:1, resulting in 23 grade plots and 33 count plots. One count plot was dropped due to its vicinity to the road.

Unit 3: Unit 3 was variable plot cruised with a 33.61 BAF. A total of 35 plots were sampled on a seven chain by four chain spacing with a count to grade ratio of 2:1, resulting in 14 grade plots and 21 count plots. The statistics read 13 grade plots due to one grade plot consisting of no trees.

Unit 4 (R/W): In-unit Right-of-Way consists of new spur roads and landings within Units 1 and 3. Majority of the in-unit Right-of-Way is located in Unit 1, so cruise data for Unit 4 was obtained from the U12 cruise.

Data was collected on Allegro 2 data collectors and downloaded to the Atterbury SuperACE 2008 program for computing. See the attached Cruise Designs for more details on the cruise method. The cruise calculations were processed in the Astoria District office.

UNIT(s)	CRUISE	TRACT	TYPE	ACRES
1 & 2	TRIPLED	U12	00CC	84
3	TRIPLED	U3	00CC	92
4 (R/W)	TRIPLED	R/W	00CC	1

6. Timber Description:

Units 1 & 2: Clearcuts with an average age of 62 years. The stands consists of western hemlock and Douglas-fir, with minor components of Sitka spruce and red alder. The average western hemlock is approximately 25 inches DBH and 78 feet to a merchantable top. The average Douglas-fir is approximately 17 inches DBH and 61 feet to a merchantable top. The average Sitka spruce is approximately 22 inches DBH and 52 feet to a merchantable top. The average red alder is approximately 10 inches DBH and 32 feet to a merchantable top. Average net volume to be harvested per acre is 28 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

Unit 3: A clearcut with an average age of 56 years. The stands consists of western hemlock and Douglas-fir, with minor components of Sitka spruce and red alder. The average western hemlock is approximately 20 inches DBH and 64 feet to a merchantable top. The average Douglas-fir is approximately 16 inches DBH and 55 feet to a merchantable top. The average Sitka spruce is approximately 24 inches DBH and 42 feet to a merchantable top. The average red alder is approximately 16 inches DBH and 66 feet to a merchantable top. Average net volume to be harvested per acre is 20 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

Unit 4 (R/W) is similar to the timber description in Units 1 & 2. Average net volume to be harvested per acre is 28 MBF.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Type	Estimated CV	Target SE%	Actual CV	Actual SE%
U12	35%	9%	33.0%	4.4%
U3	30%	11%	41.5%	7.0%

8. Volumes by Species and Log Grade:

Volumes by Species and Grade for All Sale Areas: (MBF) Volumes do not include "in-growth."

Conifer

Species	DBH	Net Vol.	2 Saw*	3 Saw**	4 Saw	% D & B	% Sale
Western hemlock	23"	2,431	1,999	382	50	0.8%	57%
Douglas-fir	16"	1,453	621	715	117	0.6%	34%
Sitka spruce	23"	237	99	125	13	1.3%	6%
TOTALS	--	4,121	2,719	1,222	180	--	--

* This sale includes approximately 11 MBF of 27"+ 2-saw Sitka spruce.

** This sale includes approximately 36 MBF of 12"+ 3-saw Sitka spruce.

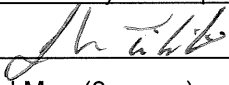
Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	13"	148	29	61	19	39	2.6%	3%
TOTALS	--	148	29	61	19	39	--	--

TOTAL VOLUME	4,269 MBF
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9. Approvals:

Prepared by: Ryan Simpson Date: 05/22/2025

Unit Forester Approval:  Date: 5/29/25

10. **Attachments:** Cruise Design and Map (6 pages)
Volume Report (4 pages)
Statistics Report (4 pages)
Log Stock Table (3 pages)
Stand Table Summary (2 pages)

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Triple Divide

Units 1 & 2

Harvest Type: Clearcut

Approx. Cruise Acres: 84 **Estimated CV%** 35 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 2,445 MBF **Estimated Sale Area Value/Acre:** \$13,040/Acre

- A. Cruise Goals:** (a) Grade minimum 80 conifer trees.
(b) Sample 56 plots (23 grade/ 33 count); (c) Other goals (_____ Determine "automark" thinning standards; X Determine log grades for sale value; _____ Determine snag and leave tree species and sizes.

B. Cruise Design:

1. Plot Cruises: BAF: 40

Cruise Line Direction: 19°/199°
Cruise Line Spacing 5 (chains) 330 (Feet)
Cruise Plot Spacing 3.5 (chains) 231 (Feet)
Grade/Count Ratio 1:2

Take plots as marked on cruise map.

Grade minor species (true fir, cedar, maple, etc.) on count plots if encountered.

DO NOT: record any 22' log lengths, or any 12', 24', or 32' log lengths for hardwoods.

DO NOT: record snags < 15" DBH or record snag measurements on count plots.

C. Tree Measurements:

- 1. Diameter:** Minimum DBH to cruise is 8" for conifers and 8" for hardwoods.
Record dbh to nearest 1/2" for trees < 16", to nearest 1" for trees 16" - 24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- 2. Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- 3. Top Cruise Diameter (TCD):** Minimum top outside bark is 7" for conifers and 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 20" dbh and 40% of dob @ FP for conifer trees > 20" dbh.
- 4. Form Factors:** (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.
- 5. Tree Segments:** Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each

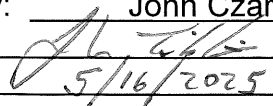
merch segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree. Hardwoods shall be recorded in 8' and 10' multiples.

6. Species, Sort, and Grade Codes:

- A. Species: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); GF (Grand fir); SF (Silver fir); A (Red alder); M (Bigleaf maple); SN (Snag). For "leave trees", add an "L" to the species code (such as DL, HL, CL, etc.).
- B. Sort: Use code "1" (Domestic).
- C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull
Hardwoods: Alder Grades: 12" + = 1 Sawmill; 10"-12" = 2 Sawmill; 10"-8" = 3 Sawmill; and 8"-6" 4 Sawmill, or R = Camp Run; 0 = Cull.
All Maple Camp Run = R
- **Oversize Spruce (2-Saw or better): Measure bole height to 27" outside bark. Record separately.**
Bars = : 4"at 66', 3"at 50', and 2"at 33'.

Grade oversized 3-SAW (DIB $\geq$ 12", knots $> 2\frac{1}{2}$ " inside scaling cylinder affecting $> 50\%$ of log)

7. **Deductions**: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
8. **Standard Field Procedures**: Plot Type Cruises: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at inter-visible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.
9. **Cruising Equipment**: Relaskop, Rangefinder, Logger's Tape (with dbh on back), Compass, Allegro II Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint, Permanent Marker.
10. **Attachments**: A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: John Czarnecki
Approved by: 
Date: 5/16/2025

TIMBER CRUISE MAP

OF TIMBER SALE CONTRACT
TRIPLE DIVIDE

PORTIONS OF SECTIONS
1 & 2 OF T4N, R9W, W.M.,
CLATSOP COUNTY, OREGON

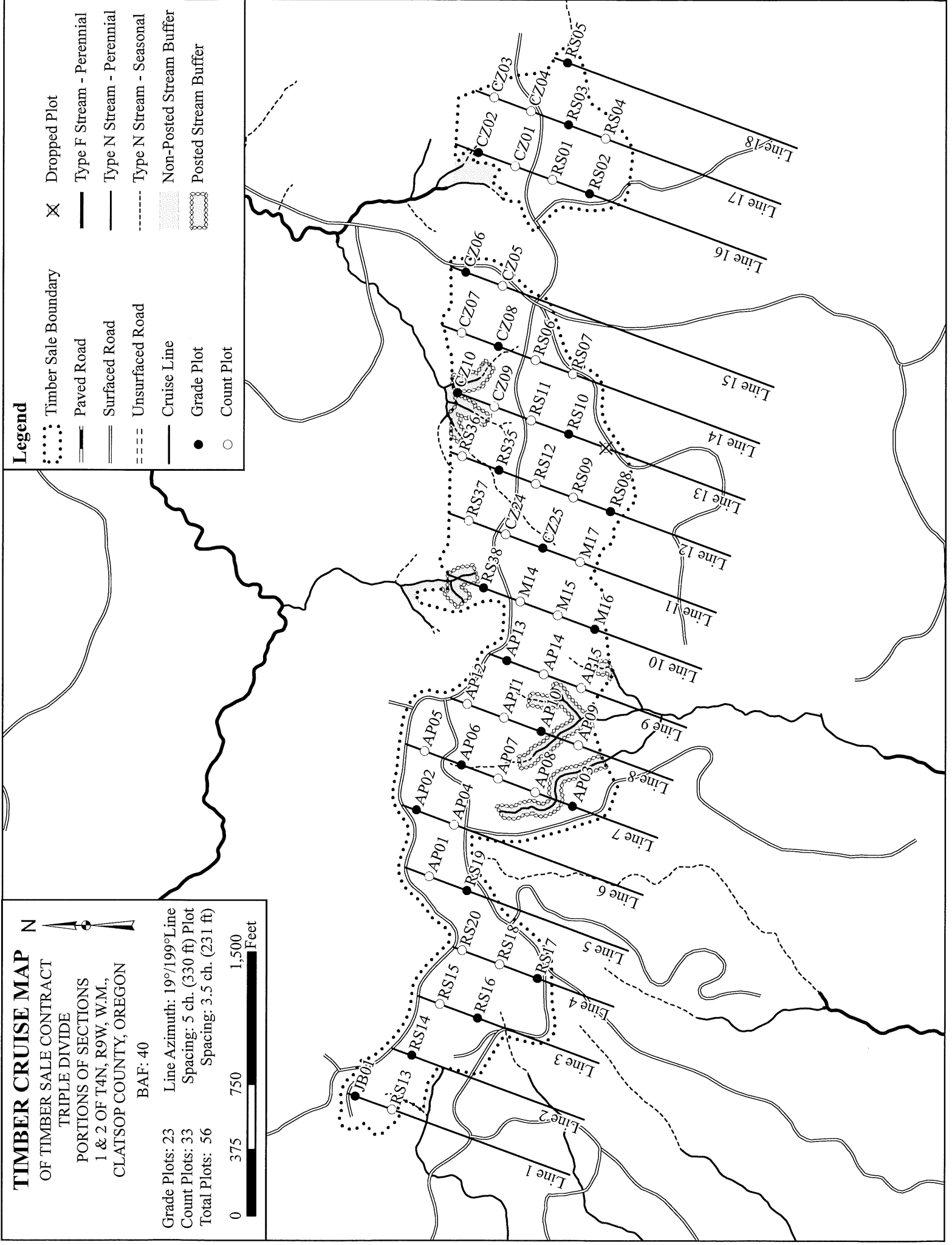
BAF: 40

Grade Plots: 23 Line Azimuth: 19°/199°
Count Plots: 33 Spacing: 5 ch. (330 ft)
Total Plots: 56 Spacing: 3.5 ch. (231 ft)



Legend

- ⋯ Timber Sale Boundary
- Paved Road
- Surfaced Road
- Unsurfaced Road
- Cruise Line
- Grade Plot
- Count Plot
- ✕ Dropped Plot
- Type F Stream - Perennial
- Type N Stream - Perennial
- Type N Stream - Seasonal
- ▨ Non-Posted Stream Buffer
- ▤ Posted Stream Buffer



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Triple Divide

Unit 3

Harvest Type: Clearcut

Approx. Cruise Acres: 92 **Estimated CV%** 30 Net BF/Acre **SE% Objective** 11% Net BF/Acre

Planned Sale Volume: 2,744 MBF **Estimated Sale Area Value/Acre:** \$11,200/Acre

A. Cruise Goals: (a) Grade minimum 70 conifer trees.

(b) Sample 35 plots (14 grade/ 21 count); (c) Other goals (____ Determine "automark" thinning standards; X Determine log grades for sale value; ____ Determine snag and leave tree species and sizes.

B. Cruise Design:

1. Plot Cruises: BAF: 33.61

Cruise Line Direction: 161°/341°

Cruise Line Spacing 7 (chains) 462 (Feet)

Cruise Plot Spacing 4 (chains) 264 (Feet)

Grade/Count Ratio 1:2

Take plots as marked on cruise map.

Grade minor species (true fir, cedar, maple, etc.) on count plots if encountered.

DO NOT: record any 22' log lengths, or any 12', 24', or 32' log lengths for hardwoods.

DO NOT: record snags < 15" DBH or record snag measurements on count plots.

C. Tree Measurements:

1. Diameter: Minimum DBH to cruise is 8" for conifers and 8" for hardwoods.

Record dbh to nearest 1/2" for trees < 16", to nearest 1" for trees 16" - 24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.

2. Bole Length: Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.

3. Top Cruise Diameter (TCD): Minimum top outside bark is 7" for conifers and 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 20" dbh and 40% of dob @ FP for conifer trees > 20" dbh.

4. Form Factors: (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

5. Tree Segments: Record log segments in "standard" log lengths in general use, such as 32' and 40' lengths, whenever possible. Do not record odd segments just to maximize grade. Cull segments can be any length. For conifers, minimum merchantable segment length is 12'; for hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each

merch segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree. Hardwoods shall be recorded in 8' and 10' multiples.

6. Species, Sort, and Grade Codes:

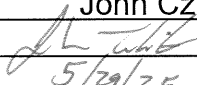
- A. Species: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); GF (Grand fir); SF (Silver fir); A (Red alder); M (Bigleaf maple); SN (Snag). For "leave trees", add an "L" to the species code (such as DL, HL, CL, etc.).
- B. Sort: Use code "1" (Domestic).
- C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull
Hardwoods: Alder Grades: 12" + = 1 Sawmill; 10"-12" = 2 Sawmill; 10"-8" = 3 Sawmill; and 8"-6" 4 Sawmill, or R = Camp Run; 0 = Cull.
All Maple Camp Run = R

- **Oversize Spruce (2-Saw or better): Measure bole height to 27" outside bark. Record separately.**
Bars = : 4"at 66', 3"at 50', and 2"at 33'.

Grade oversized 3-SAW (DIB $\geq$ 12", knots $> 2\frac{1}{2}$ " inside scaling cylinder affecting $> 50\%$ of log)

7. **Deductions**: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.
8. **Standard Field Procedures**: Plot Type Cruises: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at inter-visible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.
9. **Cruising Equipment**: Relaskop, Rangefinder, Logger's Tape (with dbh on back), Compass, Allegro II Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint, Permanent Marker.
10. **Attachments**: A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: John Czarnecki

Approved by: 

Date: 5/29/25

TIMBER CRUISE MAP

OF TIMBER SALE CONTRACT

TRIPLE DIVIDE

PORTIONS OF SECTIONS

1 & 2 OF T4N, R9W, W.M.,

CLATSOP COUNTY, OREGON

BAF: 33.61

Grade Plots: 14

Line Azimuth: 161°/341°

Count Plots: 21

Line Spacing: 7 ch. (462 ft)

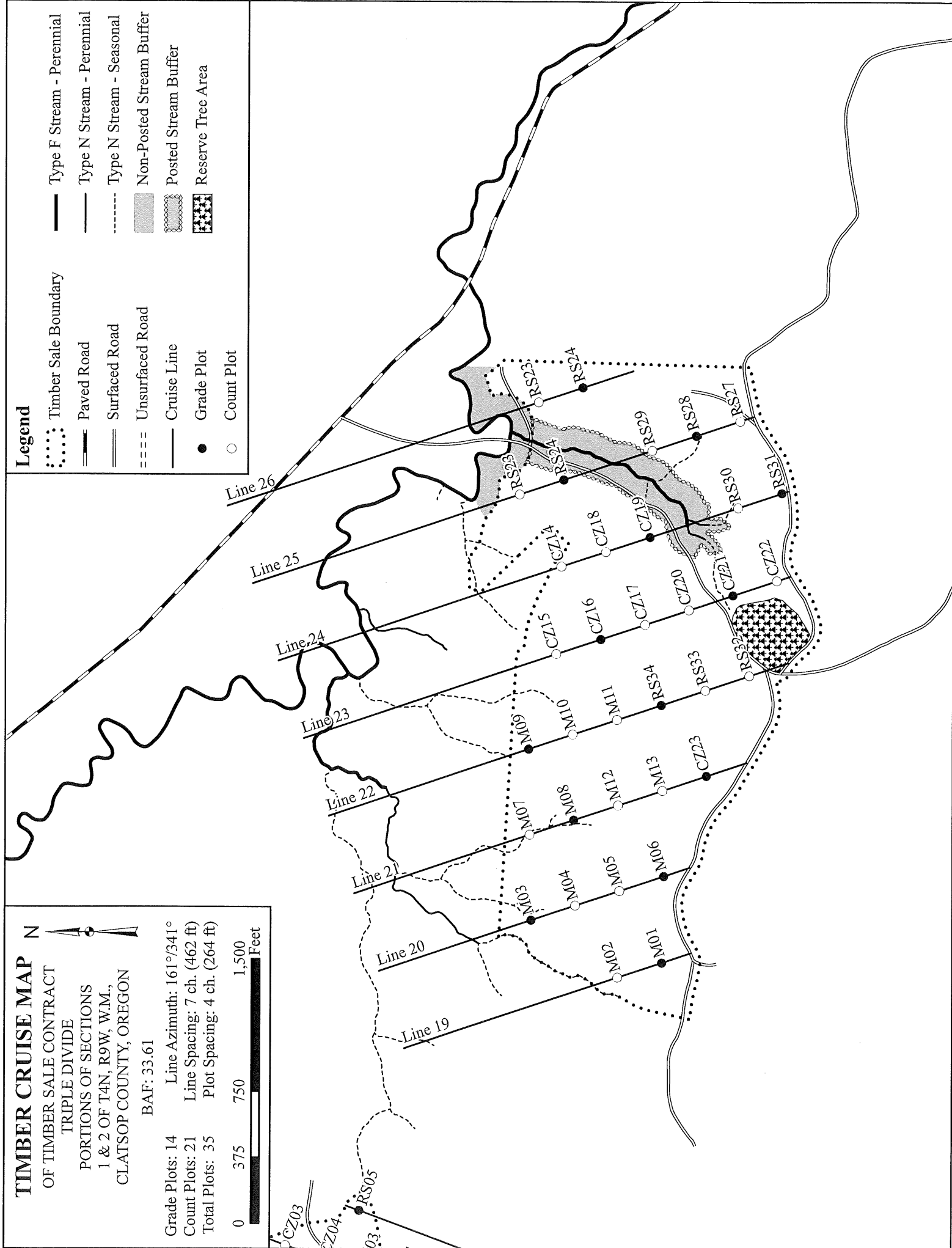
Total Plots: 35

Plot Spacing: 4 ch. (264 ft)



Legend

- Timber Sale Boundary
- Paved Road
- Surface Road
- Unsurfaced Road
- Cruise Line
- Grade Plot
- Count Plot
- Type F Stream - Perennial
- Type N Stream - Perennial
- Type N Stream - Seasonal
- Non-Posted Stream Buffer
- Posted Stream Buffer
- Reserve Tree Area



Species, Sort Grade - Board Foot Volumes (Project)

T04N R09W S01 Ty00CC 84.00
T04N R09W S01 Ty00CC 92.00
T04N R09W S01 Ty00CC 1.00

Project: **TRIPLED**
Acres **177.00**

Page **1**
Date **5/28/2025**
Time **12:58:03PM**

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%GrossNet			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					
D			DOCU														8	11		0.00	1.3
D			DO2S	42	1.4	3,557	3,509	621			71	29	5		13	82	37	14	282	1.87	12.4
D			DO3S	49		4,038	4,038	715		100			1	4	8	86	37	8	94	0.74	42.8
D			DO4S	9		659	659	117		100			33	67			22	6	27	0.48	24.0
D Totals				34	.6	8,255	8,206	1,453		57	30	12	6	8	9	77	32	8	102	0.89	80.5
H			DOCU														8	15		0.00	2.4
H			DO2S	82	.8	11,388	11,295	1,999			37	63	1	4	4	91	38	16	407	2.47	27.8
H			DO3S	15	1.0	2,178	2,156	382		97	3		4	11	13	72	36	8	94	0.95	23.0
H			DO4S	3		284	284	50		100			65	35			21	7	32	0.63	8.9
H Totals				57	.8	13,850	13,735	2,431		17	31	51	3	6	5	86	34	12	221	1.69	62.1
S			DOCU														11	20		0.00	.5
S			DO2S	41		561	561	99			30	70	30	32	6	32	28	19	386	3.00	1.5
S			DO3S	53	1.7	721	709	125		71	3	27	1	1	15	83	39	10	148	1.67	4.8
S			DO4S	6	7.4	77	71	13		100			52	48			22	7	35	0.89	2.1
S Totals				6	1.3	1,359	1,341	237		43	14	44	16	16	10	57	32	11	153	1.71	8.8
A			DOCU														8	19		0.00	.6
A			DO1S	19		165	165	29		100						100	40	14	290	1.67	.6
A			DO2S	41		346	346	61		100				36		64	33	10	132	1.00	2.6
A			DO3S	14	16.9	132	110	19		100				44	56		29	8	49	0.62	2.2
A			DO4S	26		218	218	39		100			50	10		39	21	6	28	0.46	7.7
A Totals				3	2.6	860	838	148		80	20		13	24	7	56	24	8	61	0.70	13.7
Totals					0.8	24,324	24,120	4,269		34	30	36	5	7	7	81	32	10	146	1.24	165.1

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)														Page 1						
Project: TRIPLED														Date	5/28/2025							
														Time	12:58:03PM							
T04N R09W S01 T00CC										T04N R09W S01 T00CC												
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
04N	09W	01	U12	00CC	84.00	56	107	1	W													
S So Gr T rt ad Spp			%	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre		
			Net BdFt					Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/ Lf			
										4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft		
H	DO	CU																13	14		0.00	1.9
H	DO	2S	84	.9	15,737	15,595	1,310					26	74	2	4	5	89	38	17	450	2.70	34.7
H	DO	3S	14	1.4	2,721	2,684	225			95	5			3	14	14	69	35	9	99	1.08	27.2
H	DO	4S	2		234	234	20			100				58	42			21	7	32	0.60	7.2
H	Totals		65	1.0	18,692	18,513	1,555			15	23	62		3	6	6	85	34	13	261	1.91	71.0
D	DO	CU																8	11		0.00	1.7
D	DO	2S	54	1.4	4,079	4,021	338					55	45	7		16	77	37	15	301	1.97	13.4
D	DO	3S	43		3,143	3,143	264			100				4	2	13	81	36	7	79	0.64	39.7
D	DO	4S	3		192	192	16			100				11	89			26	7	36	0.64	5.3
D	Totals		26	.8	7,414	7,357	618			45	30	25		6	3	14	77	35	9	123	0.95	60.0
S	DO	CU																11	20		0.00	.9
S	DO	2S	56		1,169	1,169	98					30	70	30	32	6	32	28	19	386	3.00	3.0
S	DO	3S	36	3.3	787	761	64			43	5	52		2	3	28	67	37	10	188	1.54	4.0
S	DO	4S	8	7.4	160	148	12			100				52	48			22	7	35	0.89	4.3
S	Totals		7	1.8	2,116	2,079	175			23	19	58		22	22	14	42	28	12	169	1.67	12.3
A	DO	3S	61	16.9	275	228	19			100					44	56		29	8	49	0.62	4.6
A	DO	4S	39		141	141	12			100				100				16	6	15	0.34	9.4
A	Totals		1	11.2	416	369	31			100				38	27	35		20	7	26	0.47	14.1
Type Totals				1.1	28,638	28,317	2,379			25	24	51		6	7	9	79	33	11	180	1.43	157.4

T		Species, Sort Grade - Board Foot Volumes (Type)										Page		1						
TSPCSTGR		Project: TRIPLED										Date		5/28/2025						
												Time		12:58:03PM						
T04N R09W S01 T00CC										T04N R09W S01 T00CC										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt											
04N	09W	01	U3	00CC	92.00	35	58	1	W											
S So Gr T rt ad Spp			% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
								Log Scale Dia.				Log Length				Ln Dia Bd CF/ Ft In Ft Lf				
D	DO	CU																		
D	DO	2S	33	1.3	3,075	3,036	279			90	10	2		9	89	37	14	262	1.77	11.6
D	DO	3S	54		4,865	4,865	448	100					6	6	89	38	8	107	0.82	45.7
D	DO	4S	13		1,091	1,091	100	100				37	63			21	6	26	0.46	41.3
D Totals			44	.4	9,031	8,992	827		66	30	3	5	11	6	78	30	8	90	0.85	99.4
H	DO	CU														5	16		0.00	2.7
H	DO	2S	78	.7	7,371	7,322	674			59	41		4	2	94	39	15	342	2.13	21.4
H	DO	3S	18	.5	1,676	1,668	153	100				5	7	11	77	36	8	87	0.80	19.2
H	DO	4S	4		330	330	30	100				69	31			20	7	31	0.64	10.5
H Totals			46	.6	9,376	9,320	857		21	46	32	3	5	4	88	33	11	173	1.40	53.8
S	DO	3S	100		660	660	61	100							100	40	9	120	1.75	5.5
S Totals			3		660	660	61	100							100	40	9	120	1.75	5.5
A	DO	CU														8	19		0.00	1.1
A	DO	1S	24		316	316	29		100						100	40	14	290	1.67	1.1
A	DO	2S	53		665	665	61	100					36		64	33	10	132	1.00	5.0
A	DO	4S	23		289	289	27	100				28	15		57	27	7	47	0.55	6.1
A Totals			6		1,270	1,270	117		75	25		6	23		71	29	10	95	0.86	13.4
Type Totals				.5	20,338	20,242	1,862		47	36	16	4	9	4	83	31	9	118	1.07	172.1

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)														Page 1					
		Project: TRIPLED														Date 5/28/2025					
																Time 12:58:03PM					
T04N R09W S01 T00CC										T04N R09W S01 T00CC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
04N	09W	01	U4_RW	00CC	1.00	56	107	1	W												
S So Gr T rt ad Spp			%	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre		
			Net BdFt					Def%	Gross	Net	Log Scale Dia.				Log Length					Ln	Dia
			4-5	6-11	12-16	17+		12-20	21-30	31-35	36-99	Ft	In	Ft	Lf						
H	DO	CU								13	14			0.00		1.9					
H	DO	2S	84	.9	15,737	15,595	16			26	74	2	4	5	89	38	17	450	2.70	34.7	
H	DO	3S	14	1.4	2,721	2,684	3			95	5	3	14	14	69	35	9	99	1.08	27.2	
H	DO	4S	2		234	234	0			100		58	42			21	7	32	0.60	7.2	
H Totals			65	1.0	18,692	18,513	19			15	23	62	3	6	6	85	34	13	261	1.91	71.0
D	DO	CU														8	11		0.00	1.7	
D	DO	2S	54	1.4	4,079	4,021	4			55	45	7		16	77	37	15	301	1.97	13.4	
D	DO	3S	43		3,143	3,143	3			100		4	2	13	81	36	7	79	0.64	39.7	
D	DO	4S	3		192	192	0			100		11	89			26	7	36	0.64	5.3	
D Totals			26	.8	7,414	7,357	7			45	30	25	6	3	14	77	35	9	123	0.95	60.0
S	DO	CU														11	20		0.00	.9	
S	DO	2S	56		1,169	1,169	1			30	70	30	32	6	32	28	19	386	3.00	3.0	
S	DO	3S	36	3.3	787	761	1			43	5	52	2	3	28	67	37	10	188	1.54	4.0
S	DO	4S	8	7.4	160	148	0			100		52	48			22	7	35	0.89	4.3	
S Totals			7	1.8	2,116	2,079	2			23	19	58	22	22	14	42	28	12	169	1.67	12.3
A	DO	3S	61	16.9	275	228	0			100			44	56		29	8	49	0.62	4.6	
A	DO	4S	39		141	141	0			100		100				16	6	15	0.34	9.4	
A Totals			1	11.2	416	369	0			100		38	27	35		20	7	26	0.47	14.1	
Type Totals				1.1	28,638	28,317	28			25	24	51	6	7	9	79	33	11	180	1.43	157.4

TC PSTATS			PROJECT STATISTICS						PAGE	1		
			PROJECT		TRIPLED				DATE	5/28/2025		
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
04N	09	01	U12	00CC		177.00	147	705	1	W		
04N	09W	01	U3	00CC								
04N	09W	01	U4 RW	00CC								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			147	705	4.8							
CRUISE			59	272	4.6	16,242	1.7					
DBH COUNT												
REFOREST												
COUNT			87	433	5.0							
BLANKS			1									
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
WHEMLOCK			139	30.7	22.7	71	18.1	86.1	13,850	13,735	3,523	3,523
DOUG FIR			95	47.2	16.2	57	16.7	67.3	8,255	8,206	2,290	2,290
S SPRUCE			29	6.2	23.0	47	3.7	17.9	1,359	1,341	475	475
R ALDER			9	7.7	12.8	46	1.9	6.9	860	838	235	235
TOTAL			272	91.8	18.9	60	41.0	178.3	24,324	24,120	6,523	6,523
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		
WHEMLOCK			59.0	5.0	636	669	703					
DOUG FIR			81.9	8.4	268	293	317					
S SPRUCE			101.8	19.2	437	541	645					
R ALDER			98.0	34.6	73	111	150					
TOTAL			80.5	4.9	481	506	530	259	65	29		
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
WHEMLOCK			149.0	12.3	27	31	34					
DOUG FIR			158.3	13.0	41	47	53					
S SPRUCE			302.9	25.0	5	6	8					
R ALDER			490.7	40.4	5	8	11					
TOTAL			111.9	9.2	83	92	100	500	125	56		
CL	68.1	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
WHEMLOCK			130.7	10.8	77	86	95					
DOUG FIR			145.2	12.0	59	67	75					
S SPRUCE			313.1	25.8	13	18	23					
R ALDER			453.2	37.3	4	7	9					
TOTAL			94.0	7.7	164	178	192	353	88	39		
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
WHEMLOCK			129.7	10.7	12,267	13,735	15,203					
DOUG FIR			142.5	11.7	7,243	8,206	9,170					
S SPRUCE			269.2	22.2	1,044	1,341	1,639					
R ALDER			487.3	40.2	501	838	1,174					
TOTAL			91.7	7.6	22,298	24,120	25,942	336	84	37		

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT	TRIPLED	DATE 5/28/2025					
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
04N	09W	01	U12	00CC	84.00	56	265	1	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
TOTAL				56	265	4.7					
CRUISE				23	107	4.7	7,102	1.5			
DBH COUNT											
REFOREST											
COUNT				33	158	4.8					
BLANKS											
100 %											
STAND SUMMARY											
				SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET
				TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	CF/AC
WHEMLOCK				60	32.8	24.9	78	22.2	110.7	18,692	18,513
DOUG FIR				30	35.4	16.9	61	13.4	55.0	7,414	7,357
S SPRUCE				14	7.0	22.1	52	4.0	18.6	2,116	2,079
R ALDER				3	9.4	9.9	32	1.6	5.0	416	369
TOTAL				107	84.5	20.3	64	42.1	189.3	28,638	28,317
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
WHEMLOCK				55.7	7.2	651	702	752			
DOUG FIR				81.1	15.1	289	340	391			
S SPRUCE				101.7	28.2	399	556	712			
R ALDER				72.1	49.9	25	50	75			
TOTAL				74.8	7.2	522	563	603	223	56	25
CL: 68.1 %				COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.
SD: 1.0				VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHEMLOCK				67.1	9.0	30	33	36			
DOUG FIR				132.4	17.7	29	35	42			
S SPRUCE				189.7	25.3	5	7	9			
R ALDER				459.2	61.3	4	9	15			
TOTAL				75.5	10.1	76	85	93	228	57	25
CL: 68.1 %				COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.
SD: 1.0				VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHEMLOCK				65.7	8.8	101	111	120			
DOUG FIR				114.0	15.2	47	55	63			
S SPRUCE				183.5	24.5	14	19	23			
R ALDER				459.2	61.3	2	5	8			
TOTAL				32.4	4.3	181	189	197	42	10	5
CL: 68.1 %				COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD: 1.0				VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
WHEMLOCK				67.1	9.0	16,854	18,513	20,172			
DOUG FIR				112.6	15.0	6,251	7,357	8,462			
S SPRUCE				183.5	24.5	1,569	2,079	2,588			
R ALDER				459.2	61.3	143	369	595			
TOTAL				33.0	4.4	27,069	28,317	29,566	44	11	5

TC TSTATS				STATISTICS				PAGE	1
				PROJECT				DATE	5/28/2025
				TRIPLED					
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	09W	01	U3	00CC	92.00	35	175	1	W

		PLOTS		TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL		35		175	5.0		
CRUISE		13		58	4.5	9,055	.6
DBH COUNT							
REFOREST							
COUNT		21		117	5.6		
BLANKS		1					
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	35	58.1	15.8	55	19.8	78.7	9,031	8,992	2,580	2,580
WHEMLOCK	19	28.7	20.1	64	14.1	63.4	9,376	9,320	2,461	2,461
S SPRUCE	1	5.5	24.0	42	3.5	17.3	660	660	385	385
R ALDER	3	6.1	16.1	66	2.2	8.6	1,270	1,270	328	328
TOTAL	58	98.4	17.7	58	40.0	168.1	20,338	20,242	5,754	5,754

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	65.0	11.0	189	212	236					
WHEMLOCK	81.5	19.2	376	466	555					
S SPRUCE										
R ALDER	45.4	31.4	160	233	307					
TOTAL	90.9	11.9	260	295	330		330	83	37	

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	71.9	12.1	51	58	65					
WHEMLOCK	113.1	19.1	23	29	34					
S SPRUCE	259.9	43.9	3	6	8					
R ALDER	268.9	45.4	3	6	9					
TOTAL	35.0	5.9	93	98	104		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	65.4	11.0	70	79	87					
WHEMLOCK	107.4	18.1	52	63	75					
S SPRUCE	259.9	43.9	10	17	25					
R ALDER	272.4	46.0	5	9	13					
TOTAL	36.9	6.2	158	168	179		54	14	6	

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	66.6	11.2	7,980	8,992	10,003					
WHEMLOCK	108.6	18.3	7,610	9,320	11,029					
S SPRUCE	259.9	43.9	370	660	950					
R ALDER	277.2	46.8	676	1,270	1,865					
TOTAL	41.5	7.0	18,824	20,242	21,660		69	17	8	

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT				DATE	5/28/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
04N	09W	01	U4 RW	00CC	1.00	56	265	1	W	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		56	265	4.7						
CRUISE		23	107	4.7	85	126.6				
DBH COUNT										
REFOREST										
COUNT		33	158	4.8						
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
WHEMLOCK		60	32.8	24.9	78	22.2	110.7	18,692	18,513	4,673
DOUG FIR		30	35.4	16.9	61	13.4	55.0	7,414	7,357	1,977
S SPRUCE		14	7.0	22.1	52	4.0	18.6	2,116	2,079	572
R ALDER		3	9.4	9.9	32	1.6	5.0	416	369	134
TOTAL		107	84.5	20.3	64	42.1	189.3	28,638	28,317	7,355
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	
WHEMLOCK		55.7	7.2	651	702	752				
DOUG FIR		81.1	15.1	289	340	391				
S SPRUCE		101.7	28.2	399	556	712				
R ALDER		72.1	49.9	25	50	75				
TOTAL		74.8	7.2	522	563	603		223	56	25
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK		67.1	9.0	30	33	36				
DOUG FIR		132.4	17.7	29	35	42				
S SPRUCE		189.7	25.3	5	7	9				
R ALDER		459.2	61.3	4	9	15				
TOTAL		75.5	10.1	76	85	93		228	57	25
CL: 68.1 %	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK		65.7	8.8	101	111	120				
DOUG FIR		114.0	15.2	47	55	63				
S SPRUCE		183.5	24.5	14	19	23				
R ALDER		459.2	61.3	2	5	8				
TOTAL		32.4	4.3	181	189	197		42	10	5
CL: 68.1 %	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
WHEMLOCK		67.1	9.0	16,854	18,513	20,172				
DOUG FIR		112.6	15.0	6,251	7,357	8,462				
S SPRUCE		183.5	24.5	1,569	2,079	2,588				
R ALDER		459.2	61.3	143	369	595				
TOTAL		33.0	4.4	27,069	28,317	29,566		44	11	5

TC PLOGSTVB		Log Stock Table - MBF																				
T04N R09W S01 Ty00CC 84.00					Project: TRIPLED										Page 1							
T04N R09W S01 Ty00CC 92.00					Acres 177.00										Date 5/28/2025							
T04N R09W S01 Ty00CC 1.00					Time 12:58:06PM																	
Spp	S T	So rt	Gr 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	12-14	15-18	19-22	23-26	27-30	31-34	35+		
D		DO	2S	16	33	5.2	31	2.2					7		12		13					
D		DO	2S	32	78		78	5.4					24		39	16						
D		DO	2S	36	19		19	1.3							19							
D		DO	2S	40	500	1.4	493	33.9					333		139	20						
D		DO	3S	20	10		10	.7				10										
D		DO	3S	24	24		24	1.6					24									
D		DO	3S	28	4		4	.2			4											
D		DO	3S	30	4		4	.3			4											
D		DO	3S	32	39		39	2.7			34	5										
D		DO	3S	34	21		21	1.4				5	15									
D		DO	3S	36	89		89	6.1			67	22										
D		DO	3S	38	28		28	1.9			28											
D		DO	3S	40	496		496	34.2			79	98	319									
D		DO	4S	12	8		8	.5			4	4										
D		DO	4S	14	3		3	.2			3											
D		DO	4S	16	8		8	.5			8											
D		DO	4S	18	2		2	.2			2											
D		DO	4S	20	18		18	1.2			16	2										
D		DO	4S	24	44		44	3.0			41	3										
D		DO	4S	26	18		18	1.2			18											
D		DO	4S	28	11		11	.8			11											
D		DO	4S	30	4		4	.3			4											
D		Totals			1,461		1,453	34.0			324	149	359	364	178	67	13					
H		DO	2S	16	14		14	.6									14					
H		DO	2S	20	16		16	.7					2		14							
H		DO	2S	24	32	4.2	31	1.3							17	14						
H		DO	2S	28	9		9	.4								9						
H		DO	2S	30	34		34	1.4					34									
H		DO	2S	32	61		61	2.5					31	29								
H		DO	2S	34	18		18	.7							18							
H		DO	2S	36	16		16	.7					16									
H		DO	2S	40	1,816		1,801	74.1					400	646	587	119	49					
H		DO	3S	16	3		3	.1					3									
H		DO	3S	18	2		2	.1					2									
H		DO	3S	20	10		10	.4					10									
H		DO	3S	24	5		5	.2				2	3									

TC PLOGSTVB				Log Stock Table - MBF																
T04N R09W S01 Ty00CC84.00 T04N R09W S01 Ty00CC92.00 T04N R09W S01 Ty00CC1.00				Project: TRIPLED Acres 177.00										Page 2 Date 5/28/2025 Time 12:58:06PM						
Spp	S T	So rt	Gr 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	12-14	15-18	19-22	23-26	27-30	31-34	35+
H		DO	3S	26	16	13.5	14	.6				2		12						
H		DO	3S	28	10		10	.4				3	7							
H		DO	3S	30	14		14	.6				6	8							
H		DO	3S	32	26		26	1.1				12	13							
H		DO	3S	34	23		23	.9				8	11	4						
H		DO	3S	36	29		29	1.2				10	15	4						
H		DO	3S	38	4		4	.2					4							
H		DO	3S	40	245		243	10.0				45	60	137						
H		DO	4S	16	9		9	.4				4	5							
H		DO	4S	18	7		7	.3				3	3							
H		DO	4S	20	17		17	.7				17								
H		DO	4S	24	13		13	.5				8	4							
H		DO	4S	26	2		2	.1				2								
H		DO	4S	30	3		3	.1				3								
H		Totals			2,451		2,431	56.9				121	137	162	495	691	642	119	63	
S		DO	2S	16	9		9	3.9										9		
S		DO	2S	18	9		9	3.9									9			
S		DO	2S	20	11		11	4.8										11		
S		DO	2S	24	21		21	8.7								9			11	
S		DO	2S	26	11		11	4.5								11				
S		DO	2S	32	6		6	2.6						6						
S		DO	2S	40	32		32	13.3								32				
S		DO	3S	20	1	7.1	1	.6						1						
S		DO	3S	26	2	10.5	2	.8						2						
S		DO	3S	32	19	4.5	18	7.7			2		2					14		
S		DO	3S	40	105		104	43.8			9	64	12		11	8				
S		DO	4S	12	1		1	.4					1							
S		DO	4S	16	2	19.9	2	.8				1	1							
S		DO	4S	18	2		2	.9			2									
S		DO	4S	20	2		2	.7				2								
S		DO	4S	24	1		1	.5				1								
S		DO	4S	28	3		3	1.2			3									
S		DO	4S	30	3	20.0	2	.9			2									
S		Totals			241	1.3	237	5.6			17	67	16	9	63	18	21	14	11	
A		DO	1S	40	29		29	19.6					29							

TC PLOGSTVB				Log Stock Table - MBF																
T04N R09W S01 Ty00CC84.00 T04N R09W S01 Ty00CC92.00 T04N R09W S01 Ty00CC1.00				Project: TRIPLED Acres 177.00												Page 3 Date 5/28/2025 Time 12:58:06PM				
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	12-14	15-18	19-22	23-26	27-30	31-34	35+	
A		DO	2S 26	22		22	15.1					22								
A		DO	2S 40	39		39	26.2					39								
A		DO	3S 26	11	20.0	9	5.8			9										
A		DO	3S 32	13	14.3	11	7.3			11										
A		DO	4S 12	4		4	2.7			4										
A		DO	4S 16	7		7	5.0			7										
A		DO	4S 20	8		8	5.3			8										
A		DO	4S 26	4		4	2.7			4										
A		DO	4S 40	15		15	10.2			15										
A		Totals		152	2.6	148	3.5			39	19	61	29							
Total		All Species		4,305		4,269	100.0			501	372	598	898	932	727	153	77	11		

TC PSTNDSUM		Stand Table Summary										Page 1			
												Date: 5/28/2025			
T04N R09W S01 Ty00CC 84.00					Project TRIPLED					Time: 12:58:07PM					
T04N R09W S01 Ty00CC 92.00					Acres 177.00					Grown Year:					
T04N R09W S01 Ty00CC 1.00															
S Spec 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
H	12	1	89	60	2.208	1.73	2.21	19.0	60.0		42	132	74	23	
H	14	2	86	77	.829	.89	1.66	17.5	55.0		29	91	51	16	
H	15	1	86	87	1.413	1.73	2.83	24.5	90.0		69	254	123	45	
H	16	1	82	94	1.242	1.73	1.24	43.0	150.0		53	186	95	33	
H	17	2	89	99	.562	.89	1.12	36.0	120.0		40	135	72	24	
H	18	5	86	79	1.984	3.51	3.97	29.1	98.9		115	392	204	69	
H	19	4	84	89	2.211	4.35	3.54	45.2	152.3		160	540	283	95	
H	20	8	87	90	2.808	6.13	5.21	46.8	167.0		244	870	431	154	
H	21	4	85	78	1.810	4.35	3.62	42.8	137.2		155	497	274	88	
H	22	12	86	89	2.992	7.90	5.98	51.8	181.7		310	1,087	549	192	
H	23	5	86	89	1.215	3.51	2.43	53.0	203.8		129	495	228	88	
H	24	4	87	95	.564	1.77	1.13	66.8	252.5		75	285	133	50	
H	25	12	87	104	1.560	5.32	3.64	66.1	265.7		240	967	426	171	
H	26	13	85	97	1.912	7.05	4.06	73.5	279.5		299	1,136	529	201	
H	27	17	86	95	2.219	8.82	4.44	80.2	316.9		356	1,407	630	249	
H	28	8	87	111	1.433	6.13	3.48	84.6	368.2		294	1,280	521	227	
H	29	11	85	103	1.344	6.16	3.45	78.6	341.2		271	1,178	480	209	
H	30	2	83	99	.181	.89	.36	105.0	400.0		38	144	67	26	
H	31	12	84	107	1.014	5.32	2.54	95.3	412.7		242	1,046	428	185	
H	32	2	86	101	.159	.89	.32	120.5	510.0		38	162	68	29	
H	34	5	85	112	.556	3.51	1.53	107.5	498.2		164	761	291	135	
H	35	2	89	103	.133	.89	.27	151.0	645.0		40	171	71	30	
H	37	2	80	99	.119	.89	.24	156.5	595.0		37	141	66	25	
H	39	2	86	111	.107	.89	.32	130.7	660.0		42	211	74	37	
H	45	2	82	104	.080	.89	.16	239.0	1020.0		38	164	68	29	
H	Totals	139	86	90	30.654	86.11	59.74	59.0	229.9		3,523	13,735	6,236	2,431	
D	9	2	85	66	1.993	.88	1.99	11.0	50.0		22	100	39	18	
D	10	3	87	77	3.758	2.05	3.76	14.0	60.0		53	225	93	40	
D	11	4	83	51	4.878	3.22	4.88	12.6	38.2		62	186	109	33	
D	12	6	86	76	7.077	5.56	9.69	16.0	54.2		155	525	274	93	
D	14	4	84	74	3.011	3.22	5.20	16.3	55.8		85	290	150	51	
D	15	6	88	87	3.341	4.10	5.96	23.2	79.6		138	475	245	84	
D	16	11	87	91	6.079	8.49	12.16	24.7	87.8		300	1,067	531	189	
D	17	2	86	89	1.484	2.34	2.97	27.0	90.0		80	267	142	47	
D	18	8	86	80	3.643	6.44	6.79	29.9	99.3		203	674	359	119	
D	19	9	86	93	3.123	6.15	6.25	36.1	120.7		226	754	400	133	
D	20	7	86	94	1.747	3.81	3.49	40.9	133.9		143	468	253	83	
D	21	11	87	106	2.923	7.03	7.18	39.7	147.0		285	1,056	505	187	
D	22	3	84	95	.777	2.05	1.55	49.4	158.5		77	246	136	44	
D	23	4	88	89	1.621	4.68	3.24	51.5	190.0		167	616	296	109	
D	25	2	89	121	.258	.88	.77	53.7	230.0		42	178	74	32	
D	27	7	86	103	.958	3.81	2.14	70.4	289.6		150	619	266	110	
D	29	2	86	107	.192	.88	.38	92.5	375.0		36	144	63	25	
D	32	4	85	102	.315	1.76	.79	87.0	400.0		69	315	121	56	
D	Totals	95	86	82	47.179	67.34	79.20	28.9	103.6		2,290	8,206	4,054	1,453	
S	13	2	88	63	.691	.64	.69	26.0	70.0		18	48	32	9	
S	15	2	77	36	.519	.64	.52	21.0	30.0		11	16	19	3	
S	17	2	85	79	.404	.64	.81	29.5	100.0		24	81	42	14	
S	20	2	81	35	.292	.64	.29	36.0	40.0		11	12	19	2	
S	23	4	84	72	.442	1.27	.88	48.0	172.5		42	152	75	27	
S	24	1	86	49	2.860	8.98	2.86	70.0	120.0		200	343	354	61	
S	25	2	85	112	.187	.64	.56	58.7	250.0		33	140	58	25	

TC		PSTNDSUM		Stand Table Summary										Page		2	
														Date:		5/28/2025	
T04N R09W S01 Ty00CC84.00 T04N R09W S01 Ty00CC92.00 T04N R09W S01 Ty00CC1.00				Project		TRIPLIED		Time:		12:58:07PM		Grown Year:					
				Acres		177.00											
S Spec T	DBH	Sample Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals				
			FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF		
S	26	2	83	61	.173	.64	.35	53.5	195.0		18	67		33	12		
S	29	4	83	67	.278	1.27	.56	56.0	230.0		31	128		55	23		
S	30	2	86	75	.130	.64	.26	72.0	300.0		19	78		33	14		
S	31	2	80	75	.122	.64	.24	85.5	285.0		21	69		37	12		
S	44	2	80	83	.060	.64	.12	174.5	740.0		21	89		37	16		
S	45	2	78	106	.058	.64	.17	149.7	680.0		26	118		46	21		
S	Totals	29	85	57	6.215	17.90	8.31	57.1	161.4		475	1,341		840	237		
A	8	2	86	17	2.293	.80	2.29	4.0	10.0		9	23		16	4		
A	11	2	87	83	1.213	.80	2.43	11.0	30.0		27	73		47	13		
A	12	2	87	85	1.019	.80	2.04	14.0	40.0		29	82		51	14		
A	14	1	87	60	1.401	1.50	2.80	16.0	60.0		45	168		79	30		
A	15	1	86	117	1.220	1.50	2.44	31.5	125.0		77	305		136	54		
A	22	1	87	93	.567	1.50	1.13	43.0	165.0		49	187		86	33		
A	Totals	9	87	66	7.713	6.89	13.13	17.9	63.8		235	838		416	148		
Totals		272	86	82	91.761	178.25	160.38	40.7	150.4		6,523	24,120		11,546	4,269		

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01189-01

TRIPLE DIVIDE
PORTIONS OF SECTIONS 1, 2, & 12
OF T4N, R9W, W.M., AND
PORTIONS OF SECTION 6
OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

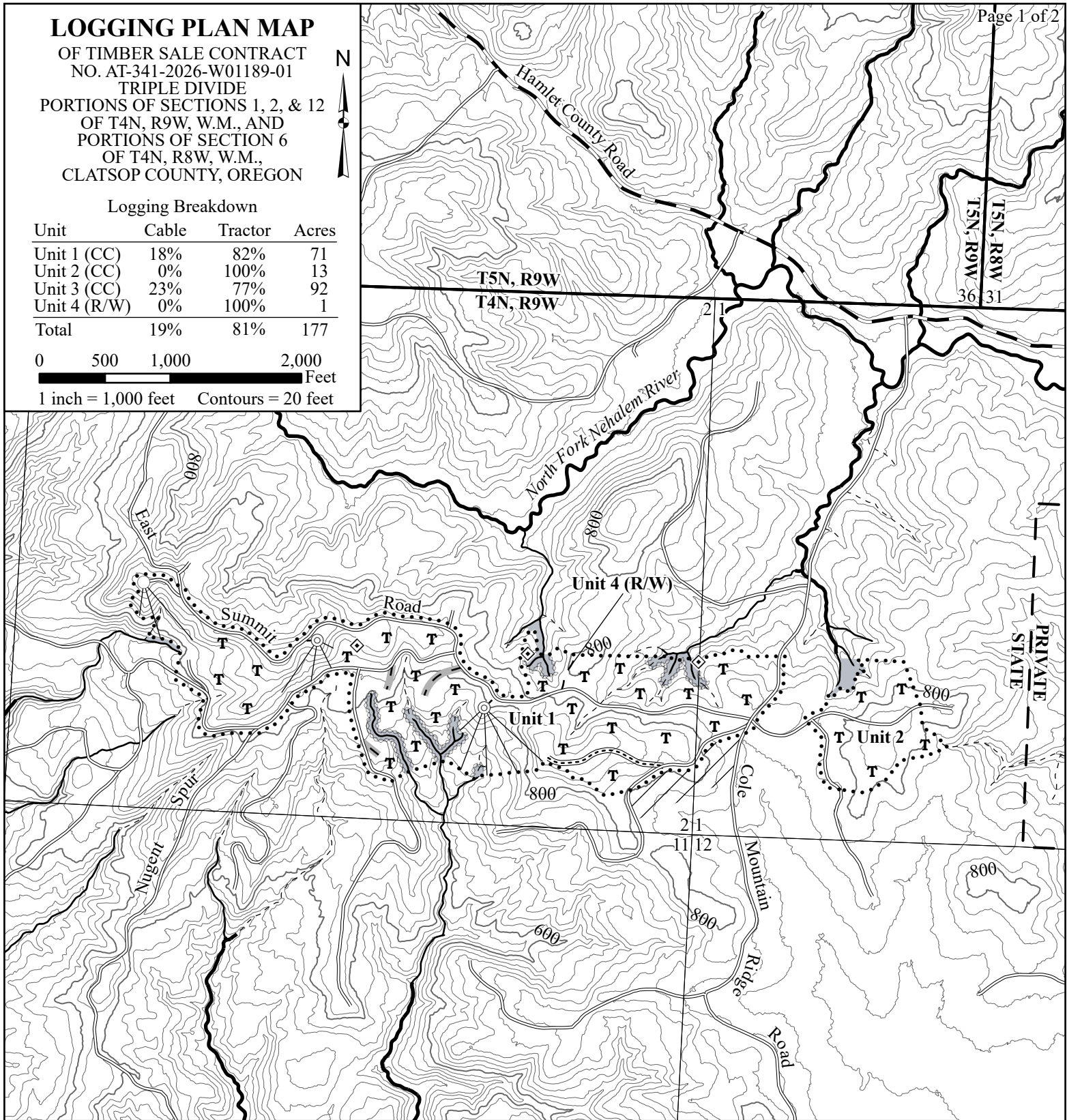


Logging Breakdown

Unit	Cable	Tractor	Acres
Unit 1 (CC)	18%	82%	71
Unit 2 (CC)	0%	100%	13
Unit 3 (CC)	23%	77%	92
Unit 4 (R/W)	0%	100%	1
Total	19%	81%	177

0 500 1,000 2,000 Feet

1 inch = 1,000 feet Contours = 20 feet



Legend

- | | | |
|--------------------------------------|--------------------------------|----------------------------|
| ⋯ Timber Sale Boundary | ○ Existing Landing | ▨ Posted Stream Buffer |
| — Ownership Boundary | ⊙ Landing to be Constructed | ▩ Non-Posted Stream Buffer |
| — Paved Road | — Cable Based Yarding | /// Reforestation Area |
| — Surfaced Road | ⚡ Ground Based Yarding | ▦ Controlled Felling |
| - - New Road Construction - Surfaced | — Type F Stream - Perennial | ◇ Survey Monument |
| — New Road Construction - Unsurfaced | — Type N Stream - Perennial | |
| ⋯ Logger's Choice Spur | - - - Type N Stream - Seasonal | |

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01189-01

TRIPLE DIVIDE

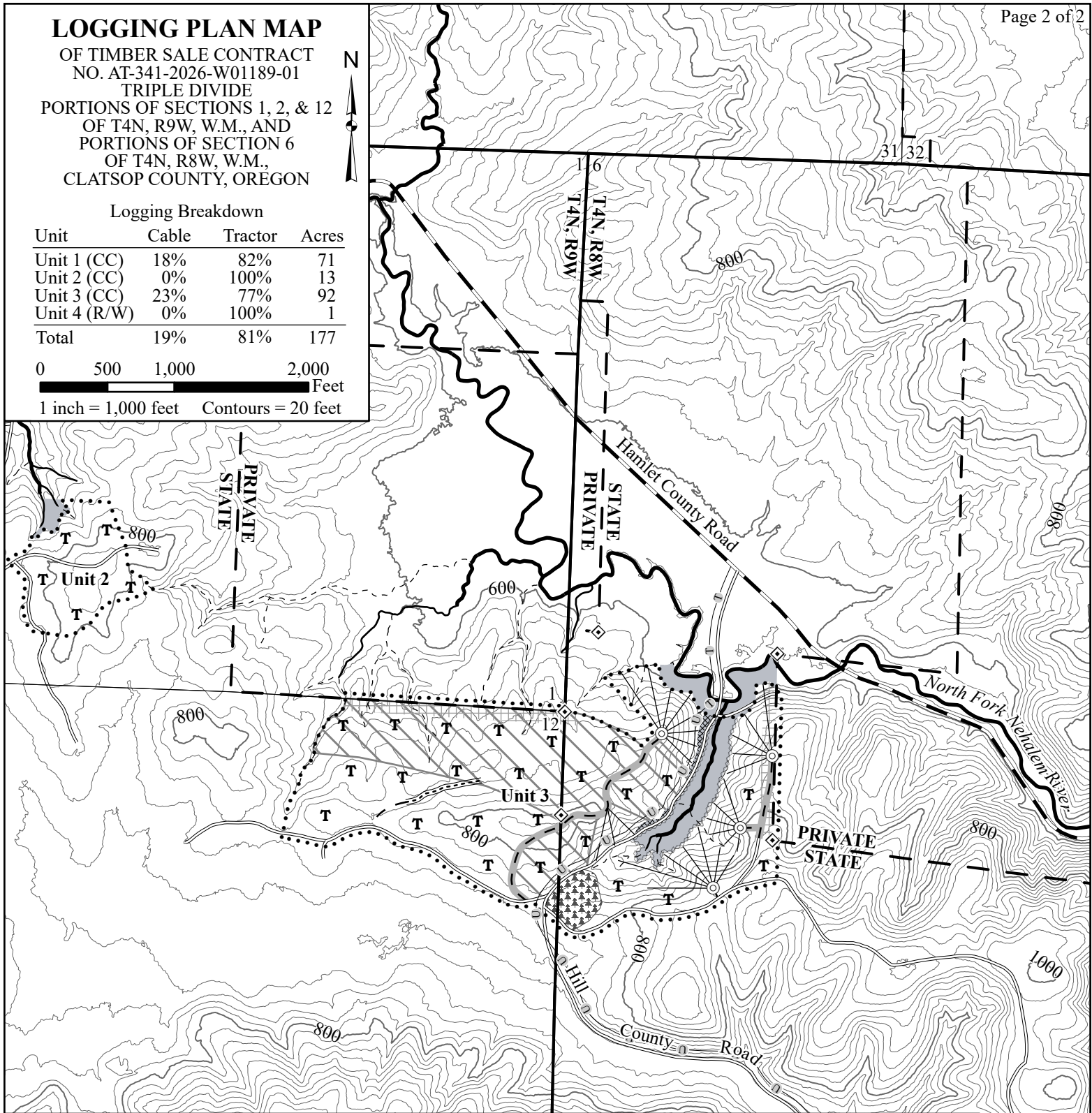
PORTIONS OF SECTIONS 1, 2, & 12
OF T4N, R9W, W.M., AND
PORTIONS OF SECTION 6
OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

Logging Breakdown

Unit	Cable	Tractor	Acres
Unit 1 (CC)	18%	82%	71
Unit 2 (CC)	0%	100%	13
Unit 3 (CC)	23%	77%	92
Unit 4 (R/W)	0%	100%	1
Total	19%	81%	177

0 500 1,000 2,000 Feet

1 inch = 1,000 feet Contours = 20 feet



Legend

- | | | |
|--------------------------------------|--------------------------------|------------------------------|
| ⋯ Timber Sale Boundary | ⊙ Landing to be Constructed | ▨ Stream Buffer Removal |
| — Ownership Boundary | — Cable Based Yarding | ▩ Reserve Tree Area |
| — Paved Road | T Ground Based Yarding | ▧ Seasonally Restricted Area |
| — Surfaced Road | — Type F Stream - Perennial | /// Reforestation Area |
| - - New Road Construction - Surfaced | — Type N Stream - Perennial | ▦ Controlled Felling |
| — New Road Construction - Unsurfaced | - - - Type N Stream - Seasonal | — Transmission Line |
| ⋯ Logger's Choice Spur | ▨ Posted Stream Buffer | — Underground Utilities |
| ○ Existing Landing | ▨ Non-Posted Stream Buffer | ◇ Survey Monument |