



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Middle Big Noise
Sale AT-341-2026-W01253-01

District: Astoria

Date: July 15, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$3,265,649.73	\$14,163.84	\$3,279,813.57
		Project Work:	\$0.00
		Advertised Value:	\$3,279,813.57



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District: Astoria

Date: July 15, 2025

Timber Description

Location:

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	24	0	97
Western Hemlock / Fir	21	0	96
Sitka Spruce	30	0	95
Alder (Red)	12	0	95

Volume by Grade	2S	3S & 4S 6"-11"	SM & Better	3S 12"+	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	3,062	650	681	0	0	0	0	0	4,393
Western Hemlock / Fir	1,943	499	40	83	0	0	0	0	2,565
Sitka Spruce	47	10	0	79	0	0	0	0	136
Alder (Red)	0	0	0	0	8	19	20	25	72
Total	5,052	1,159	721	162	8	19	20	25	7,166

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

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

PRICING:

Western redcedar stumpage = pond value - (Douglas-fir) logging cost.

$$\$963.14/\text{MBF} = \$1,200/\text{MBF} - \$236.86/\text{MBF}$$

Bigleaf maple stumpage = pond value - (Douglas-fir) logging cost.

$$\$23.14/\text{MBF} = \$260/\text{MBF} - \$236.86/\text{MBF}$$

Special Cull & Peelable Cull Price = Half of Douglas-fir Stumpage (rounded to nearest denomination of 5)

$$\$297.29 = \$594.58 / 2$$

$$\$297.29 \text{ rounded to } \$300.00$$

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

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

Ditch Filters:

12 bales of straw @ \$12/bale = \$144.00

4 hours of labor (installation/removal) @ \$50/hr = \$200

Total P&R Cost = \$2,344.00

Other Costs (No Profit & Risk added):

Opening & Closing Unsurfaced Spur:

Move in C315 Excavator @ \$1,005/move-in = \$1,005

Move in D6 Dozer @ \$972/move-in = \$972

8 hrs w/C315 @ \$127/hr = \$1,016

8 hrs w/D6 @ \$143/hr = \$1,144

Total Cost = \$4,137.00

SLASH PILING

(See attached appraisal. Includes move-in and pile materials) = \$24,199.08

ROAD MAINTENANCE

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: \$15,641/7,166 MBF = \$2.18/MBF



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Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
	Western Hemlock / Fir	100.00%
	Sitka Spruce	100.00%
	Alder (Red)	100.00%
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:	18	bd. ft / load: 4700
cost / mbf:	\$118.21	
machines:	Shovel Logger	



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Logging Costs

Operating Seasons: 2.00	Profit Risk: 12%
Project Costs: \$0.00	Other Costs (P/R): \$2,344.00
Slash Disposal: \$24,199.08	Other Costs: \$4,137.00

Miles of Road

Road Maintenance: \$2.18

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	5.1
Western Hemlock / Fir	\$0.00	2.0	4.9
Sitka Spruce	\$0.00	2.0	5.2
Alder (Red)	\$0.00	2.0	4.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Middle Big Noise Sale AT-341-2026-W01253-01

District: Astoria

Date: July 15, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$118.21	\$2.25	\$1.22	\$84.15	\$0.33	\$24.74	\$3.38	\$2.00	\$0.58	\$236.86
Western Hemlock / Fir									
\$118.21	\$2.27	\$1.22	\$132.65	\$0.33	\$30.56	\$3.38	\$2.00	\$0.58	\$291.20
Sitka Spruce									
\$118.21	\$2.29	\$1.22	\$126.20	\$0.33	\$29.79	\$3.38	\$2.00	\$0.58	\$284.00
Alder (Red)									
\$118.21	\$2.29	\$1.22	\$164.06	\$0.33	\$34.33	\$3.38	\$2.00	\$0.58	\$326.40

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$831.44	\$594.58	\$0.00
Western Hemlock / Fir	\$0.00	\$540.71	\$249.51	\$0.00
Sitka Spruce	\$0.00	\$384.49	\$100.49	\$0.00
Alder (Red)	\$0.00	\$523.12	\$196.72	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Middle Big Noise
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District: Astoria

Date: July 15, 2025

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	4,393	\$594.58	\$2,611,989.94
Western Hemlock / Fir	2,565	\$249.51	\$639,993.15
Sitka Spruce	136	\$100.49	\$13,666.64
Alder (Red)	72	\$196.72	\$14,163.84

Gross Timber Sale Value

Recovery: \$3,279,813.57

Prepared By: Ryan Simpson

Phone: 503-325-5451

Site Prep Appraisal

Sale Name: Middle Big Noise
Date: 07/15/2025

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	93	47	\$145.00	\$6,742.50
2	CC	A	97	49	\$145.00	\$7,032.50
In-unit Piling						Sub Total = \$13,775.00
Sale Area	Number of Landings to be Piled	# acres to landings per area	Cable Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area
1	8	93	\$4,495.00	31.25	\$5.00	\$156.25
2	9	97	\$1,875.33	57.5	\$5.00	\$287.50
*Cost includes separating firewood					Materials	Sub Total = \$443.75
Additional Move-in allowance					Landing Piling	Sub Total = \$6,370.33
Move-In Allowance	Number of Move-In's	Total Move-In Allowance				
\$1,290.00	1	\$1,290.00				
Slash Endhaul					Move-In	Sub Total = \$1,290.00
Dump Truck hrs	Cost/Hour	Total	Loader hrs*	Cost/Hour	Total	
0	\$89.00	\$0.00	16	\$145.00	\$2,320.00	Sub Total = \$2,320.00
						Grand Total = \$24,199.08

*Removal of reprod to create slash piling space and fuel breaks.

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale: Middle Big Noise
Date: July 15, 2025
By: Ryan Simpson *CB*

MBF: 7,166
\$/MBF: \$2.18

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
Final Road Maintenance	Grader 14G	\$972	1	18	\$126	\$3,240
	Dump Truck 12CY	\$205	2	9	\$99	\$1,301
	FE Loader C966	\$931	1	5	\$108	\$1,471
	Vibratory Roller	\$972	1	18	\$97	\$2,718
	Water Truck 2,500 gallon	\$238	1	9	\$113	\$1,255
	C315 Excavator	\$1,005	1	5	\$127	\$1,640
	Labor			5	\$50	\$250
Total						\$15,641

Interim Operations Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	1.5	1.0	8

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	3.3	2.2	18
Vibratory Roller	1.5	3.3	2.2	18

Process and compact: All crushed rock roads

West Big Noise Road 1.5 Miles

Rock Creek Road 0.2 Miles

Unnamed Spurs 1.6 Miles

Grade & Process Total: 3.3 Miles

Middle Big Noise TIMBER CRUISE REPORT FY 2026

1. **Sale Area Location:** Portions of Sections 23 & 24 of T8N, R7W, W.M., Clatsop County, Oregon
2. **Fund Distribution:** BOF 100% CSL 0% **Tax Code:** 4-03 (100%)
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	114	15	1	5	-	93	GIS
2	Clearcut	123	18	3	5	-	97	GIS
TOTALS		237	33	4	10	-	190	

4. Cruisers and Cruise Dates: Avery Petersen, John Czarnecki, Ryan Simpson, Michele Huffman and Kevin Berry (07/10/2025 - 07/11/2025)

5. Cruise Method and Computation:

Unit 1: Unit 1 was variable plot cruised with a 40 BAF. A total of 40 plots were sampled on a seven chain by three and a half chain spacing with a count to grade ratio of 2:1, resulting in 16 grade plots and 24 count plots. Two count plots were dropped due to being within a stream buffer. Two count plots also had minor species that were graded, so the statistics report reads 18 grade plots.

Unit 2: Unit 2 was variable plot cruised with a 40 BAF. A total of 40 plots were sampled on a seven chain by four chain spacing with a count to grade ratio of 2:1, resulting in 15 grade plots and 25 count plots.

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	CRUISE	TRACT	TYPE	ACRES
1	MBN	U1	00CC	93
2	MBN	U2	00CC	97

6. Timber Description:

Unit 1: A clearcut with an average age of 53 years. The stands consists of Douglas-fir and western hemlock, with minor components of red alder, noble fir and Sitka spruce. The average Douglas-fir is approximately 19 inches DBH and 73 feet to a merchantable top. The average western hemlock is approximately 17 inches DBH and 59 feet to a merchantable top. The average red alder is approximately 12 inches DBH and 33 feet to a merchantable top. The average noble fir is approximately 12 inches DBH and 56 feet to a merchantable top. The average Sitka spruce is approximately 31 inches DBH and 68 feet to a merchantable top. Average net volume to be harvested per acre is 27 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

Unit 2: A clearcut with an average age of 90 years. The stands consists of Douglas-fir and western hemlock, with minor components of Sitka spruce. The average Douglas-fir is approximately 33 inches DBH and 106 feet to a merchantable top. The average western hemlock is approximately 29 inches DBH and 91 feet to a merchantable top. The average Sitka spruce is approximately 29 inches DBH and 98 feet to a merchantable top. Average net volume to be harvested per acre is 48 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Type	Estimated CV	Target SE%	Actual CV	Actual SE%
U1	30%	9%	23.3%	3.7%
U2	35%	8%	31.0%	4.9%

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.	SM	2 Saw	3 Saw*	4 Saw	% D & B	% Sale
Douglas-fir	24"	4,393	681	3,062	567	83	7.7	61
Western hemlock	21"	2,526	40	1,943	500	43	7.0	35
Sitka spruce	30"	136	--	47	89	--	2.4	2
Noble fir	12"	39	--	--	32	7	0.0	1
TOTALS	--	7,094	721	5,052	1,188	133	--	99

*This sale includes approximately 83 MBF of 12"+ 3-saw western hemlock & approximately 79 MBF of 12"+ 3-saw Sitka spruce.

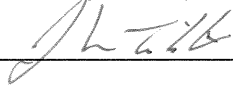
Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	12"	72	20	19	8	25	0.0	1
TOTALS	--	72	20	19	8	25	--	1

TOTAL VOLUME	7,166
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9. Approvals:

Prepared by: Ryan Simpson Date: 07/15/2025

Unit Forester Approval:  Date: 7/24/2025

10. **Attachments:** Cruise Design and Map (6 pages)
Volume Report (3 pages)
Statistics Report (5 pages)
Log Stock Table (3 pages)
Stand Table Summary (2 pages)

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Middle Big Noise

Unit 1

Harvest Type: Clearcut

Approx. Cruise Acres: 93 **Estimated CV%** 30 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 2,700 MBF **Estimated Sale Area Value/Acre:** \$12,750/Acre

A. Cruise Goals: (a) Grade minimum 80 conifer trees.

(b) Sample 42 plots (16 grade/ 26 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: 68°/248°

Cruise Line Spacing 7 (chains) 462 (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

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: Ryan Simpson
Approved by: 
Date: 7/10/2025

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Middle Big Noise

Unit 2

Harvest Type: Clearcut

Approx. Cruise Acres: 97 **Estimated CV%** 35 Net BF/Acre **SE% Objective** 8% Net BF/Acre

Planned Sale Volume: 5,610 MBF **Estimated Sale Area Value/Acre:** \$23,375/Acre

A. Cruise Goals: (a) Grade minimum 75 conifer trees.

(b) Sample 40 plots (15 grade/ 25 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: 99°/279°

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.

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C. Tree Measurements:

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

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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

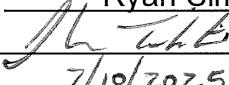
merch segment. Do not use "double dash" (--) feature on the data recorder except for the top segment of the tree. Hardwoods shall be recorded in 8' and 10' multiples.

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).
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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

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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: Ryan Simpson
Approved by: 
Date: 7/10/2025

TIMBER CRUISE MAP

OF TIMBER SALE CONTRACT
MIDDLE BIG NOISE
PORTIONS OF SECTION 23
OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

BAF: 40

Grade Plots: 16

Line Azimuth: 68°/248°

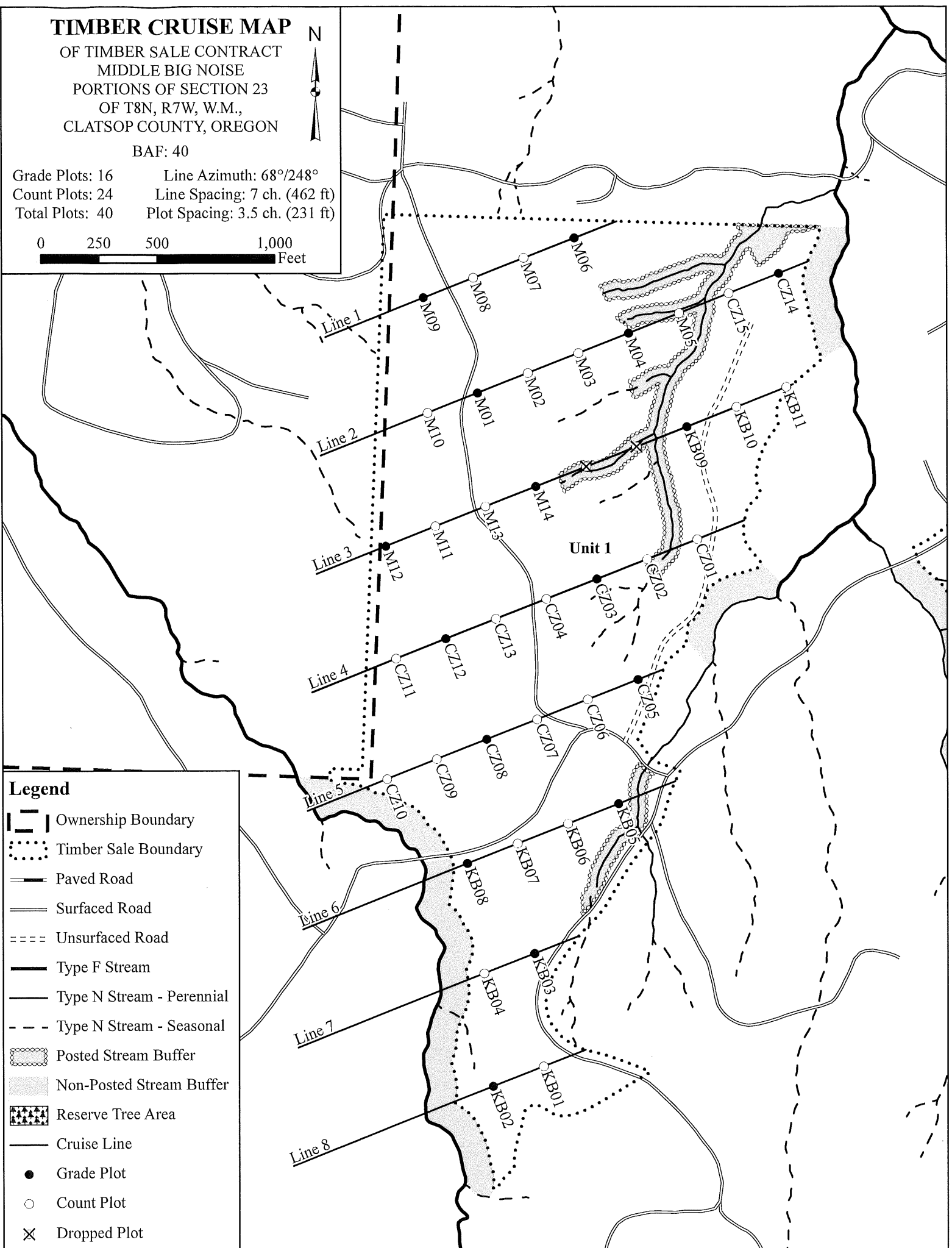
Count Plots: 24

Line Spacing: 7 ch. (462 ft)

Total Plots: 40

Plot Spacing: 3.5 ch. (231 ft)

0 250 500 1,000
Feet



Legend

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

TIMBER CRUISE MAP

OF TIMBER SALE CONTRACT
MIDDLE BIG NOISE
PORTIONS OF SECTIONS
23 & 24 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

BAF: 40

Grade Plots: 15

Line Azimuth: 99°/279°

Count Plots: 25

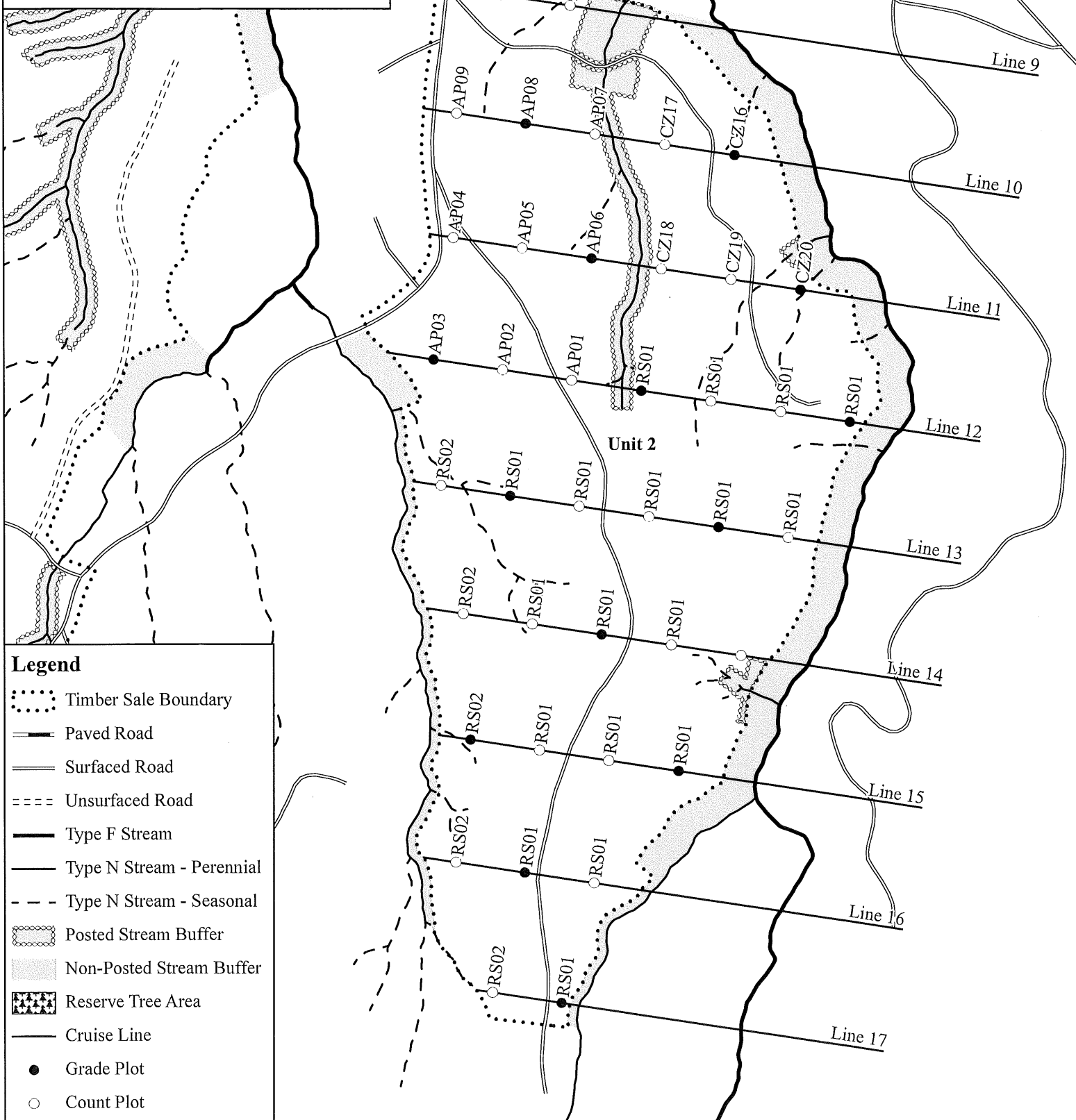
Line Spacing: 7 ch. (462 ft)

Total Plots: 40

Plot Spacing: 4 ch. (264 ft)

0 250 500 1,000
Feet

N



Legend

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

Species, Sort Grade - Board Foot Volumes (Project)

T08N R07W S23 Ty00CC 93.00
T08N R07W S23 Ty00CC 97.00

Project: MBN
Acres 190.00

Page 1
Date 7/15/2025
Time 8:49:56AM

S Spp	So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
			Def%	Gross	Net		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														7	15		0.00	1.5
D	DO2S	69	8.0	17,525	16,117	3,062			32	68	1	7	3	89	37	17	457	2.60	35.2
D	DO3S	13	2.8	3,074	2,987	567		100			0	3	18	-78	38	9	103	0.83	28.9
D	DO4S	2	5.5	464	438	83		100			48	52			23	7	29	0.49	15.1
D	DOSM	16	10.0	3,980	3,582	681				100	2	5	6	87	37	24	906	4.51	4.0
D Totals		61	7.7	25,043	23,124	4,393		15	23	63	2	7	5	85	34	13	273	1.77	84.8
H	DOCU														6	26		0.00	.5
H	DO2S	76	7.8	11,094	10,228	1,943			36	64	0	2	1	96	39	17	453	2.58	22.6
H	DO3S	20	3.7	2,732	2,631	500		83	2	15	2	14	13	71	36	8	93	0.83	28.2
H	DO4S	2	5.2	241	228	43		100			58	42			21	7	27	0.49	8.4
H	DOSM	2	10.0	233	209	40				100				100	40	27	1233	5.60	.2
H Totals		35	7.0	14,299	13,296	2,526		18	28	54	2	5	4	90	35	11	222	1.55	59.8
S	DO2S	34	4.7	257	245	47			28	72			28	72	34	17	410	2.75	.6
S	DO3S	66	1.2	474	468	89		11	20	69	7	4		89	31	14	323	2.51	1.5
S Totals		2	2.4	731	713	136		7	23	70	5	2	10	83	32	15	348	2.58	2.0
A	DOCU														6	21		0.00	.4
A	DO1S	27		103	103	20			100					100	38	14	270	1.87	.4
A	DO2S	26		103	103	19		100				100			30	11	130	1.13	.8
A	DO3S	12		43	43	8		100			100				19	8	37	0.66	1.2
A	DO4S	35		133	133	25		100			47		53		24	6	29	0.39	4.6
A Totals		1		382	382	72		73	27		28	27	18	27	24	8	52	0.64	7.3
NF	DO3S	81		168	168	32		100					100		40	8	90	0.57	1.9
NF	DO4S	19		37	37	7		100			100				14	6	20	0.36	1.9
NF Totals		1		206	206	39		100			18			82	27	7	55	0.52	3.7
Totals			7.2	40,660	37,721	7,166		17	24	59	3	6	5	86	34	12	239	1.64	157.7

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page		1			
				Project: MBN												Date		7/15/2025			
																Time		8:49:57AM			
T08N R07W S23 T00CC																T08N R07W S23 T00CC					
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt			
08N		07W		23		U1		00CC		93.00		40		90		1		W			
S So Gr Spp T rt ad				% 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									80 20				2 6 5 88				8 6 0.00				1.4
D DO 2S				62	1.3 9,699 9,570			890	80 20				2 6 5 88				38 14 297 1.90				32.2
D DO 3S				33	1.1 5,049 4,993			464	100				1 2 19 78				38 8 100 0.81				50.0
D DO 4S				5	1.6 702 691			64	100				49 51				22 7 30 0.51				23.2
D Totals				56	1.3 15,450 15,254			1,419	37 50 13				4 7 9 80				34 10 143 1.13				106.9
H DO CU																	4 24 0.00				.6
H DO 2S				62	.5 6,555 6,519			606	74 26				100				40 15 354 2.16				18.4
H DO 3S				34	.2 3,590 3,583			333	100				13 14 73				37 8 81 0.73				44.5
H DO 4S				4	2.3 382 374			35	100				48 52				21 6 26 0.45				14.4
H Totals				39	.5 10,527 10,476			974	38 46 16				2 6 5 87				34 9 135 1.09				77.9
A DO CU																	6 21 0.00				.8
A DO 1S				27	211 211			20	100				100				38 14 270 1.87				.8
A DO 2S				26	209 209			19	100				100				30 11 130 1.13				1.6
A DO 3S				12	88 88			8	100				100				19 8 37 0.66				2.4
A DO 4S				35	272 272			25	100				47 53				24 6 29 0.39				9.3
A Totals				3	780 780			73	73 27				28 27 18 27				24 8 52 0.64				14.9
NF DO 3S				81	344 344			32	100				100				40 8 90 0.57				3.8
NF DO 4S				19	76 76			7	100				100				14 6 20 0.36				3.8
NF Totals				2	420 420			39	100				18 82				27 7 55 0.52				7.6
S DO 3S				100	4.3 263 252			23	14 86				14 86				33 15 330 2.91				.8
S Totals				1	4.3 263 252			23	14 86				14 86				33 15 330 2.91				.8
Type Totals					.9 27,441 27,182			2,528	39 47 14				4 7 8 82				33 9 131 1.08				208.1

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)													Page 1							
Project: MBN															Date	7/15/2025						
															Time	8:49:57AM						
T08N R07W S23 T00CC										T08N R07W S23 T00CC												
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
08N	07W	23	U2	00CC	97.00	40	73	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/ Lf							
										4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	
D	DO	CU																7	23		0.00	1.6
D	DO	2S	73	10.5	25,028	22,394	2,172					13	87	1	7	2	89	36	19	588	3.20	38.1
D	DO	3S	3	10.0	1,181	1,063	103			100					8	12	80	37	10	122	0.98	8.7
D	DO	4S	1	16.7	235	196	19			100				46	54			23	7	26	0.46	7.4
D	DO	SM	23	10.0	7,796	7,017	681						100	2	5	6	87	37	24	906	4.51	7.7
D Totals			64	10.4	34,240	30,670	2,975			4	9	87		2	7	3	88	34	17	483	2.81	63.6
H	DO	CU																8	28		0.00	.4
H	DO	2S	86	10.8	15,446	13,784	1,337					18	82	1	3	2	95	38	18	520	2.87	26.5
H	DO	3S	10	10.0	1,909	1,718	167			50	6	44		6	17	11	65	33	10	136	1.21	12.6
H	DO	4S	1	15.4	105	89	9			100				100				19	8	34	0.70	2.6
H	DO	SM	3	10.0	456	410	40						100				100	40	27	1233	5.60	.3
H Totals			33	10.7	17,915	16,001	1,552			6	16	78		2	4	3	91	35	15	376	2.36	42.5
S	DO	2S	41	4.7	503	479	47					28	72			28	72	34	17	410	2.75	1.2
S	DO	3S	59		676	676	66			10	27	63		10			90	30	14	320	2.35	2.1
S Totals			2	2.0	1,179	1,155	112			6	28	67		6		12	83	31	15	352	2.51	3.3
Type Totals				10.3	53,334	47,826	4,639			5	12	83		2	6	3	89	34	16	437	2.62	109.4

TC PSTATS			PROJECT STATISTICS						PAGE	1		
			PROJECT		MBN		DATE 7/15/2025					
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt	
08N	07	23	U1	00CC		190.00		80	402	1	W	
08N	07W	23	U2	00CC								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES		PERCENT SAMPLE TREES				
TOTAL			80	402	5.0							
CRUISE			33	163	4.9	14,613		1.1				
DBH COUNT												
REFOREST												
COUNT			47	231	4.9							
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			87	36.5	24.0	83	23.4	114.7	25,043	23,124	5,448	5,105
WHEMLOCK			68	32.1	21.0	67	16.8	77.0	14,299	13,296	3,414	3,215
R ALDER			4	5.7	11.9	33	1.3	4.4	382	382	111	111
S SPRUCE			3	.7	29.5	90	0.7	3.5	731	713	167	167
NOB FIR			1	1.9	12.0	56	0.4	1.5	206	206	52	52
TOTAL			163	76.9	21.9	72	43.0	201.1	40,660	37,721	9,192	8,650
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			96.1	10.3	1,034	1,152	1,271					
WHEMLOCK			84.3	10.2	678	755	833					
R ALDER			94.6	54.0	62	135	208					
S SPRUCE			33.2	23.0	719	933	1,148					
NOB FIR												
TOTAL			98.5	7.7	878	951	1,025	388	97	43		
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			83.3	8.9	215	236	257					
WHEMLOCK			71.3	8.6	157	172	187					
R ALDER			91.1	52.1	18	38	58					
S SPRUCE			18.9	13.1	193	222	251					
NOB FIR												
TOTAL			83.4	6.5	190	203	216	278	69	31		
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			81.5	9.1	33	36	40					
WHEMLOCK			124.7	13.9	28	32	37					
R ALDER			319.0	35.6	4	6	8					
S SPRUCE			326.3	36.5	0	1	1					
NOB FIR			663.3	74.1	0	2	3					
TOTAL			70.8	7.9	71	77	83	200	50	22		
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			61.6	6.9	107	115	123					
WHEMLOCK			81.6	9.1	70	77	84					
R ALDER			282.6	31.6	3	4	6					
S SPRUCE			325.0	36.3	2	4	5					
NOB FIR			663.3	74.1	0	1	3					
TOTAL			26.6	3.0	195	201	207	28	7	3		

TC TSTATS				STATISTICS				PAGE 1	
				PROJECT	MBN	DATE 7/15/2025			
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07W	23	U1	00CC	93.00	40	197	1	W
				TREES	ESTIMATED	PERCENT			
				PER PLOT	TOTAL	SAMPLE			
					TREES	TREES			

TC TSTATS				STATISTICS			PAGE	2	
				PROJECT	MBN		DATE	7/15/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07W	23	U1	00CC	93.00	40	197	1	W
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E. %	LOW	AVG	HIGH	5	10	15
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	58.3	9.2	13,850	15,254	16,659				
WHEMLOCK	86.0	13.6	9,053	10,476	11,899				
R ALDER	193.1	30.5	542	780	1,018				
NOB FIR	466.5	73.7	110	420	730				
S SPRUCE	441.4	69.7	76	252	427				
TOTAL	23.3	3.7	26,182	27,182	28,182	22	5	2	

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT	MBN	DATE 7/15/2025				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	07W	23	U2	00CC	97.00	40	205	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
PLOTS		TREES								
TOTAL		40		205		5.1				
CRUISE		15		73		4.9				
DBH COUNT						3,798				
REFOREST						1.9				
COUNT		25		132		5.3				
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		40	21.1	32.7	106	21.5	123.0	34,240	30,670	6,728
WHEMLOCK		31	17.0	28.9	91	14.3	77.0	17,915	16,001	3,884
S SPRUCE		2	1.1	28.9	98	0.9	5.0	1,179	1,155	257
TOTAL		73	39.2	31.0	99	36.8	205.0	53,334	47,826	10,869
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		49.9		7.9	1,903	2,066	2,229			
WHEMLOCK		50.7		9.1	1,132	1,245	1,359			
S SPRUCE		26.4		24.8	805	1,070	1,335			
TOTAL		56.7		6.6	1,578	1,690	1,802	128	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		45.5		7.2	370	398	427			
WHEMLOCK		44.5		8.0	244	266	287			
S SPRUCE		19.7		18.4	193	237	281			
TOTAL		49.8		5.8	318	338	357	99	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		74.4		11.8	19	21	24			
WHEMLOCK		93.1		14.7	14	17	19			
S SPRUCE		268.2		42.4	1	1	2			
TOTAL		38.9		6.1	37	39	42	60	15	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		63.1		10.0	111	123	135			
WHEMLOCK		77.5		12.2	68	77	86			
S SPRUCE		267.9		42.3	3	5	7			
TOTAL		28.4		4.5	196	205	214	32	8	4
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		64.5		10.2	27,543	30,670	33,796			
WHEMLOCK		78.4		12.4	14,020	16,001	17,981			
S SPRUCE		268.8		42.5	665	1,155	1,646			
TOTAL		31.0		4.9	45,484	47,826	50,167	38	10	4

TC PLOGSTVB			Log Stock Table - MBF																
T08N R07W S23 Ty00CC 93.00 T08N R07W S23 Ty00CC 97.00				Project: MBN Acres 190.00										Page 1 Date 7/15/2025 Time 8:50:00AM					
S T Spp	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	12-13	14-15	16-19	20-23	24-29	30-39	40+
D	DO	2S	16	36	8.3	33	.8					9	3	6		16			
D	DO	2S	18	7	10.0	6	.1					6							
D	DO	2S	20	5	10.0	4	.1						4						
D	DO	2S	24	60	10.3	54	1.2					25	5	11		13			
D	DO	2S	26	12	10.0	10	.2									10			
D	DO	2S	28	60	10.0	54	1.2					10		10			35		
D	DO	2S	30	95	7.0	88	2.0					47		41					
D	DO	2S	32	91	8.0	84	1.9					51		22		11			
D	DO	2S	34	13	10.0	12	.3					12							
D	DO	2S	40	2,951	8.0	2,716	61.8					299	233	620	548	724	293		
D	DO	3S	20	2		2	.1				2								
D	DO	3S	26	4	10.0	4	.1				4								
D	DO	3S	30	15	3.2	15	.3				4	11							
D	DO	3S	32	99	2.5	96	2.2			10		86							
D	DO	3S	34	5		5	.1			5									
D	DO	3S	36	25	2.9	24	.5			18		6							
D	DO	3S	38	24		24	.6			6		19							
D	DO	3S	40	409	3.1	396	9.0			70	121	205							
D	DO	4S	16	18	3.2	18	.4			7	11								
D	DO	4S	18	6	6.6	5	.1			5									
D	DO	4S	20	18	5.9	17	.4			13	4								
D	DO	4S	24	7		7	.2			7									
D	DO	4S	26	10		10	.2			10									
D	DO	4S	28	14	4.7	13	.3			13									
D	DO	4S	30	16	13.9	14	.3			14									
D	DO	SM	18	19	10.0	17	.4							17					
D	DO	SM	26	37	10.0	33	.8										33		
D	DO	SM	32	42	10.0	38	.9										38		
D	DO	SM	40	658	10.0	593	13.5							39	161	304	90		
D	Totals			4,758	7.7	4,394	61.3			176	147	327	459	245	765	743	1116	416	
H	DO	2S	16	3	10.0	2	.1					2							
H	DO	2S	20	6	16.7	5	.2					5							
H	DO	2S	24	12	10.0	11	.4						11						
H	DO	2S	26	27	10.0	25	1.0						10	14					
H	DO	2S	34	31	10.0	28	1.1					5	5	18					
H	DO	2S	36	77	10.0	70	2.8							49	20				

TC PLOGSTVB				Log Stock Table - MBF																
T08N R07W S23 Ty00CC 93.00 T08N R07W S23 Ty00CC 97.00				Project: MBN Acres 190.00										Page 2 Date 7/15/2025 Time 8:50:00AM						
S T Spp	So Gr rt	Log de 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+		
H	DO	2S 40	1,952	7.6	1,803	71.4					110	325	552	541	200	75				
H	DO	3S 16	5	10.0	5	.2				3	2									
H	DO	3S 20	6	10.0	6	.2			3	3										
H	DO	3S 24	7	10.0	7	.3			7											
H	DO	3S 26	14	5.8	13	.5			6	7										
H	DO	3S 28	16	2.9	15	.6		4	4	8										
H	DO	3S 30	38	3.1	37	1.5			18	9		11								
H	DO	3S 32	61	4.4	58	2.3		13	21	24										
H	DO	3S 34	6		6	.2		6												
H	DO	3S 36	5		5	.2		5												
H	DO	3S 38	32	2.0	32	1.3		21	5	6										
H	DO	3S 40	327	3.5	316	12.5		109	55	82	7			31	32					
H	DO	4S 14	3		3	.1		3												
H	DO	4S 16	13	1.8	13	.5		9	4											
H	DO	4S 18	2	10.0	2	.1			2											
H	DO	4S 20	9	12.7	8	.3		3	4											
H	DO	4S 28	19	4.3	18	.7		18												
H	DO	SM 40	44	10.0	40	1.6								40						
H	Totals		2,717	7.0	2,526	35.2		191	127	141	131	351	644	592	272	75				
S	DO	2S 32	13		13	9.6						13								
S	DO	2S 36	36	6.3	33	24.7								33						
S	DO	3S 20	6		6	4.6			3	3										
S	DO	3S 26	3		3	2.4				3										
S	DO	3S 40	81	1.3	80	58.7						18	20	41						
S	Totals		139	2.4	135	1.9			3	7		31	20	75						
A	DO	1S 38	20		20	27.0						20								
A	DO	2S 30	19		19	26.9				19										
A	DO	3S 16	2		2	3.0			2											
A	DO	3S 20	6		6	8.3			6											
A	DO	4S 20	12		12	16.5		12												
A	DO	4S 34	13		13	18.4		13												
A	Totals		73		73	1.0		25	8	19		20								
NF	DO	3S 40	32		32	81.8			32											

Log Stock Table - MBF

T08N R07W S23 Ty00CC	93.00
T08N R07W S23 Ty00CC	97.00

Project: MBN
Acres 190.00

Page 3
Date 7/15/2025
Time 8:50:00AM

S Spp	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+
NF		DO	4S	14	7	7	18.2			7									
NF		Totals			39	39	.5			7	32								
Total		All Species			7,725	7.2	7,167	100.0			400	318	494	590	646	1429	1410	1388	491

TC		PSTNDSUM		Stand Table Summary										Page		1	
														Date:		7/15/2025	
T08N R07W S23 Ty00CC 93.00 T08N R07W S23 Ty00CC 97.00				Project MBN						Time: 8:50:01AM							
				Acres 190.00						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	
D		10	1	88	90	2.024	1.10	2.02	15.0	60.0		30	121		58	23	
D		14	3	88	88	3.098	3.31	5.16	22.2	82.0		115	423		218	80	
D		15	1	85	99	.900	1.10	1.80	22.0	75.0		40	135		75	26	
D		16	2	89	94	1.915	2.67	3.83	23.8	84.7		91	324		173	62	
D		17	7	85	84	5.198	8.19	9.70	27.5	90.1		267	874		507	166	
D		18	3	86	98	2.138	3.78	4.28	33.2	114.6		142	490		269	93	
D		19	6	87	94	3.364	6.62	6.73	36.7	125.0		247	841		469	160	
D		20	5	86	101	2.530	5.52	5.57	38.3	130.0		213	724		405	137	
D		21	1	85	107	.459	1.10	.92	50.0	180.0		46	165		87	31	
D		22	2	86	106	.836	2.21	1.67	52.0	180.0		87	301		165	57	
D		23	4	86	113	1.530	4.42	3.83	48.7	193.0		186	738		354	140	
D		24	7	86	111	2.460	7.73	5.97	54.9	212.4		328	1,269		624	241	
D		25	3	85	110	.972	3.31	2.59	53.5	212.5		139	551		263	105	
D		26	1	88	116	.426	1.57	1.28	50.7	225.0		65	287		123	55	
D		27	3	87	110	.833	3.31	2.22	65.9	286.2		146	636		278	121	
D		28	3	87	145	.992	4.24	3.34	64.2	306.9		215	1,026		408	195	
D		29	1	83	134	.342	1.57	1.03	53.4	231.0		55	237		104	45	
D		31	2	86	153	.599	3.14	1.80	88.9	421.5		160	757		304	144	
D		32	1	86	93	.198	1.10	.59	65.0	296.7		39	176		73	33	
D		33	2	85	147	.529	3.14	1.59	96.0	471.0		152	747		289	142	
D		35	2	87	152	.470	3.14	1.41	112.6	574.5		159	810		302	154	
D		36	1	86	157	.222	1.57	.67	120.3	597.0		80	398		152	76	
D		37	4	87	157	.841	6.28	2.94	107.9	578.6		318	1,703		604	324	
D		38	2	87	151	.399	3.14	1.20	131.2	687.0		157	822		298	156	
D		39	3	86	154	.568	4.71	1.89	126.5	648.9		239	1,228		455	233	
D		40	5	85	163	.899	7.85	3.06	134.5	706.8		411	2,161		782	411	
D		41	3	86	160	.514	4.71	1.88	129.8	679.1		244	1,279		464	243	
D		42	1	86	171	.163	1.57	.65	127.8	720.0		83	470		158	89	
D		43	2	84	160	.311	3.14	.93	169.2	846.0		158	790		300	150	
D		45	1	85	181	.142	1.57	.57	158.6	882.0		90	501		171	95	
D		46	3	85	154	.408	4.71	1.36	172.8	898.2		235	1,222		447	232	
D		53	1	82	169	.102	1.57	.41	200.7	1093.5		82	448		156	85	
D		55	1	83	179	.095	1.57	.38	224.3	1230.8		85	468		162	89	
D		Totals	87	86	109	36.477	114.68	83.26	61.3	277.7		5,105	23,124		9,699	4,394	
H		10	3	86	75	5.603	3.06	5.60	15.0	50.0		84	280		160	53	
H		11	2	88	71	3.087	2.04	3.09	18.0	65.0		56	201		106	38	
H		13	3	87	61	3.586	3.31	4.69	18.3	51.2		86	240		163	46	
H		15	1	85	84	.830	1.02	1.66	22.5	70.0		37	116		71	22	
H		16	2	85	82	1.459	2.04	2.92	25.0	80.0		73	233		139	44	
H		17	1	85	98	.646	1.02	1.29	33.0	115.0		43	149		81	28	
H		18	2	85	88	1.153	2.04	2.31	34.7	115.0		80	265		152	50	
H		19	1	85	91	.517	1.02	1.03	38.5	125.0		40	129		76	25	
H		20	2	87	92	.934	2.04	1.87	45.3	160.0		85	299		161	57	
H		21	3	87	98	1.270	3.06	2.96	44.9	171.4		133	508		253	97	
H		22	6	87	95	2.410	6.36	4.82	53.8	196.3		259	946		493	180	
H		23	1	86	110	.353	1.02	1.06	45.3	186.7		48	198		91	38	
H		24	6	86	98	2.025	6.36	4.45	59.3	218.7		264	974		501	185	
H		25	2	86	100	.598	2.04	1.20	73.2	280.0		88	335		166	64	
H		26	2	86	115	.620	2.29	1.58	63.0	267.6		100	424		190	81	
H		27	5	85	107	1.469	5.84	3.90	63.4	258.0		247	1,005		469	191	
H		28	3	84	113	.890	3.80	2.37	68.1	290.2		161	689		307	131	
H		29	3	85	130	.775	3.55	1.83	90.8	422.1		166	771		315	146	
H		30	1	89	84	.208	1.02	.42	92.0	400.0		38	166		73	32	

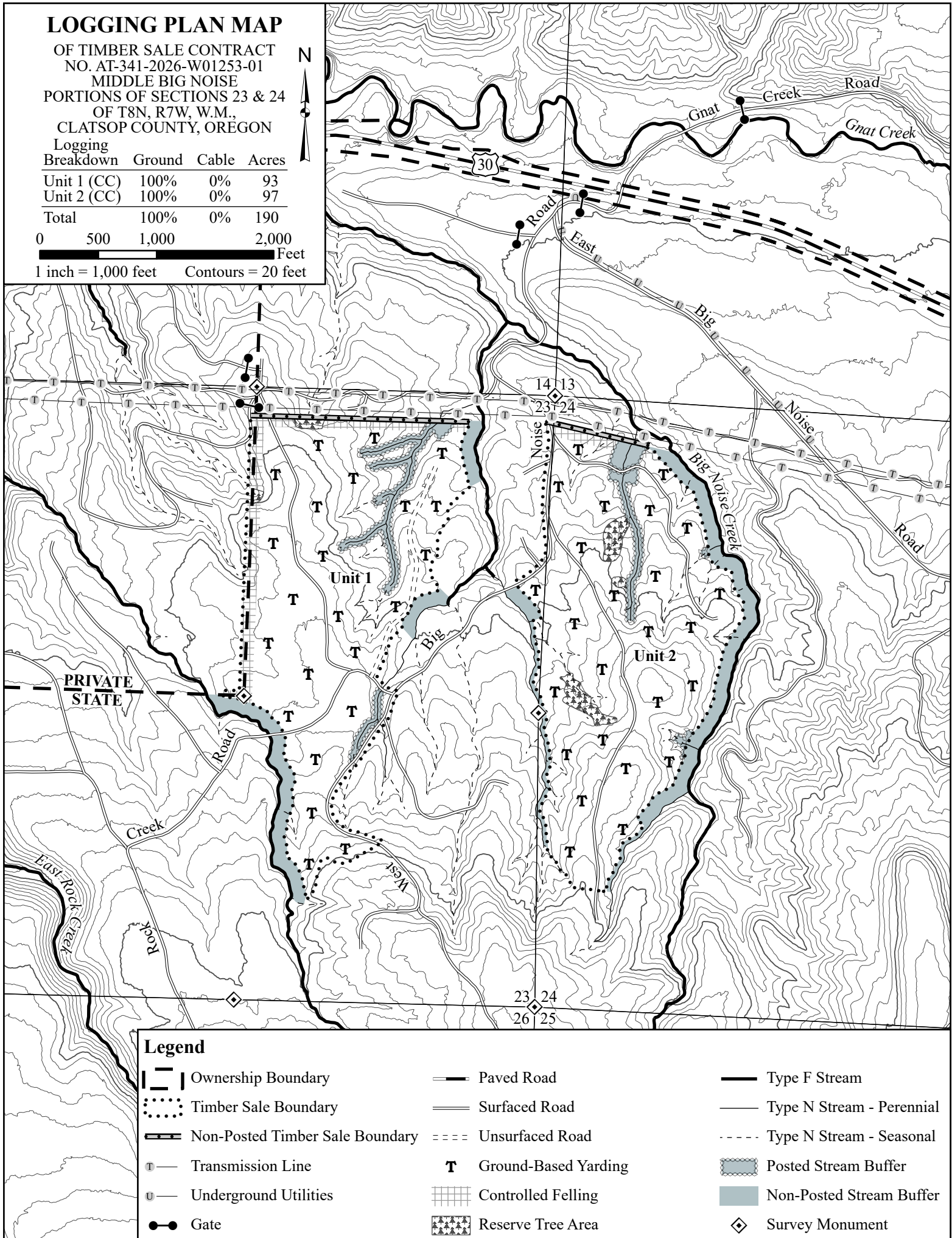
TC PSTNDSUM		Stand Table Summary										Page 2				
												Date: 7/15/2025				
T08N R07W S23 Ty00CC 93.00 T08N R07W S23 Ty00CC 97.00		Project MBN										Time: 8:50:01AM				
		Acres 190.00										Grown Year:				
S Sp	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
H		31	5	83	129	1.210	6.34	3.39	87.4	387.0		296	1,311		563	249
H		32	1	86	136	.227	1.27	.68	95.1	462.0		65	315		123	60
H		33	4	84	120	.854	5.07	2.13	96.2	455.4		205	972		390	185
H		35	1	85	136	.190	1.27	.57	113.1	576.0		64	328		122	62
H		37	3	83	146	.509	3.80	1.53	129.5	642.0		198	981		376	186
H		38	1	85	144	.161	1.27	.48	139.5	693.0		67	335		128	64
H		41	1	81	108	.138	1.27	.41	123.6	576.0		51	239		97	45
H		42	1	82	121	.132	1.27	.40	143.4	660.0		57	261		108	50
H		44	1	82	144	.120	1.27	.36	180.9	909.0		65	327		124	62
H		45	1	88	122	.115	1.27	.34	172.2	870.0		59	300		113	57
H		Totals	68	86	91	32.089	77.00	59.34	54.2	224.1		3,215	13,296		6,109	2,526
S		28	1	82	111	.298	1.28	.90	68.0	290.0		61	260		116	49
S		30	1	86	129	.260	1.28	.78	90.0	423.3		70	330		133	63
S		31	1	82	82	.187	.98	.37	96.0	330.0		36	123		68	23
S		Totals	3	83	110	.745	3.53	2.05	81.5	348.1		167	713		317	135
A		8	1	86	43	3.155	1.10	3.16	6.0	20.0		19	63		36	12
A		12	1	87	50	1.402	1.10	1.40	17.0	50.0		24	70		45	13
A		16	1	86	78	.789	1.10	1.58	23.0	85.0		36	134		69	25
A		23	1	87	77	.382	1.10	.76	42.0	150.0		32	115		61	22
A		Totals	4	86	52	5.728	4.41	6.90	16.1	55.3		111	382		211	73
NF		12	1	91	85	1.870	1.47	3.74	14.0	55.0		52	206		99	39
NF		Totals	1	91	85	1.870	1.47	3.74	14.0'	55.0		52	206		99	39
Totals		163		86	96	76.908	201.08	155.29	55.7	242.9		8,650	37,721		16,436	7,167

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01253-01
MIDDLE BIG NOISE
PORTIONS OF SECTIONS 23 & 24
OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

Logging Breakdown	Ground	Cable	Acres
Unit 1 (CC)	100%	0%	93
Unit 2 (CC)	100%	0%	97
Total	100%	0%	190

0 500 1,000 2,000 Feet
1 inch = 1,000 feet Contours = 20 feet



Legend

- | | | |
|---------------------------------|----------------------|---------------------------|
| Ownership Boundary | Paved Road | Type F Stream |
| Timber Sale Boundary | Surfaced Road | Type N Stream - Perennial |
| Non-Posted Timber Sale Boundary | Unsurfaced Road | Type N Stream - Seasonal |
| Transmission Line | Ground-Based Yarding | Posted Stream Buffer |
| Underground Utilities | Controlled Felling | Non-Posted Stream Buffer |
| Gate | Reserve Tree Area | Survey Monument |