Toto
TIMBER CRUISE REPORT
FY 2025

1. **Sale Area Location:** Portions of Sections 1, 2, & 11 of T4N, R7W, W.M., Clatsop County, OR.

2. **Fund Distribution:** BOF 100% Tax Code: 8-01 (100%)

3. **Sale Acreage by Area:**

Unit	Harvest Type	Gross Acres	Non-Stocked Area	Stream Buffer Acres	Reserve Tree Area	Existing R/W Acres	New R/W	Net Acres	Survey Method
1	Clearcut	59	-	6	2	1	-	50	GIS
2	Clearcut	56	3	9	2	1	<1	41	GIS
3	R/W	<1	-	-	-	-	<1	<1	LxW
TOTAL		**115**	**3**	**15**	**4**	**2**	**<1**	**91**	

4. Cruisers and Cruise Dates: Avery Petersen, Justin Bush, Kevin Berry, and Michele Huffman (03/12/2025)

5. Cruise Method and Computation:

Unit 1 and Unit 2: Unit 1 and Unit 2 were variable plot cruised with a 40 BAF for conifers and hardwoods. A total of 63 plots were sampled on a 5.5 by 3 chain spacing with a count to grade ratio of 2:1, resulting in 21 grade plots and 42 count plots. One count plot was dropped due to a change in the timber sale boundary location. Plot numbers differ from those in the statistics due to a minor species being graded on a count plot.

Unit 3 (R/W) consists of less than one acre of timber similar to U12 and less than one acre that is non-stocked.

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
Units 1 & 2	TOTO	U12	00MC	91

6. Timber Description:

Unit 1 and Unit 2 are modified clearcuts with an average age of 71 years. The stands consist of Douglas-fir, western hemlock, and red alder, with minor components of Sitka spruce and grand fir. The average take Douglas-fir is approximately 27 inches DBH and 90 feet to a merchantable top. The average take western hemlock is approximately 18 inches DBH and 60 feet to a merchantable top. The average take red alder is approximately 18 inches DBH and 63 feet to a merchantable top. The average take Sitka spruce is approximately 26 inches DBH and 82 feet to a merchantable top. The only measured take grand fir is approximately 29 inches DBH and 124 feet to a merchantable top. Average net volume to be harvested per acre is 42 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%
U12	50.0%	9%	33.7%	4.1%

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
Douglas-fir	27"	2,849	2,513	296	40	1%	74%
Western hemlock	18"	489	386	81	22	0.6%	13%
Sitka spruce	26"	98	85	7	6	-	3%
Grand fir	29"	34	31	3	-	-	<1%
TOTALS	--	**3,470**	**3,015**	**387**	**68**	--	--

Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	18"	355	156	98	46	55	0.6%	9%
TOTALS	--	**355**	**156**	**98**	**46**	**55**	--	--

TOTAL VOLUME	3,825 MBF

9. Approvals:

Prepared by: Michele Huffman **Date:** 03/14/2025

Unit Forester Approval: John Tillotson **Date:** 3/25/2025

10. Attachments: Cruise Design and Maps (3 pages)
Volume Report (1 page)
Statistics Report (2 pages)
Log Stock Table (3 pages)
Stand Table Summary (2 pages)

Revised August, 2002

CRUISE DESIGN
ASTORIA DISTRICT

Sale Name: __Toto_____ **Units** __U1 & 2__

Harvest Type: Modified Clearcut

Approx. Cruise Acres: _91_ **Estimated CV%** _50_ Net BF/Acre **SE% Objective** 9%_ Net BF/Acre

Planned Sale Volume: 4,075 MBF **Estimated Sale Area Value/Acre:** $24,876/Acre

A. Cruise Goals: (a) Grade minimum __80__ conifer trees.
(b) Sample 64 plots (21 grade/ 43 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: **40.0**

Cruise Line Direction: U1: 45°/225°
U2: 148°/328°
Cruise Line Spacing 5.5 (chains) 363 (Feet)
Cruise Plot Spacing 3 (chains) 198 (Feet)
Grade/Count Ratio 1:2

Take plots as marked on cruise map.

Grade minor species (true fir, spruce, 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 ½" 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 ≥ 12", knots > 2½" inside scaling cylinder affecting > 50% of log)

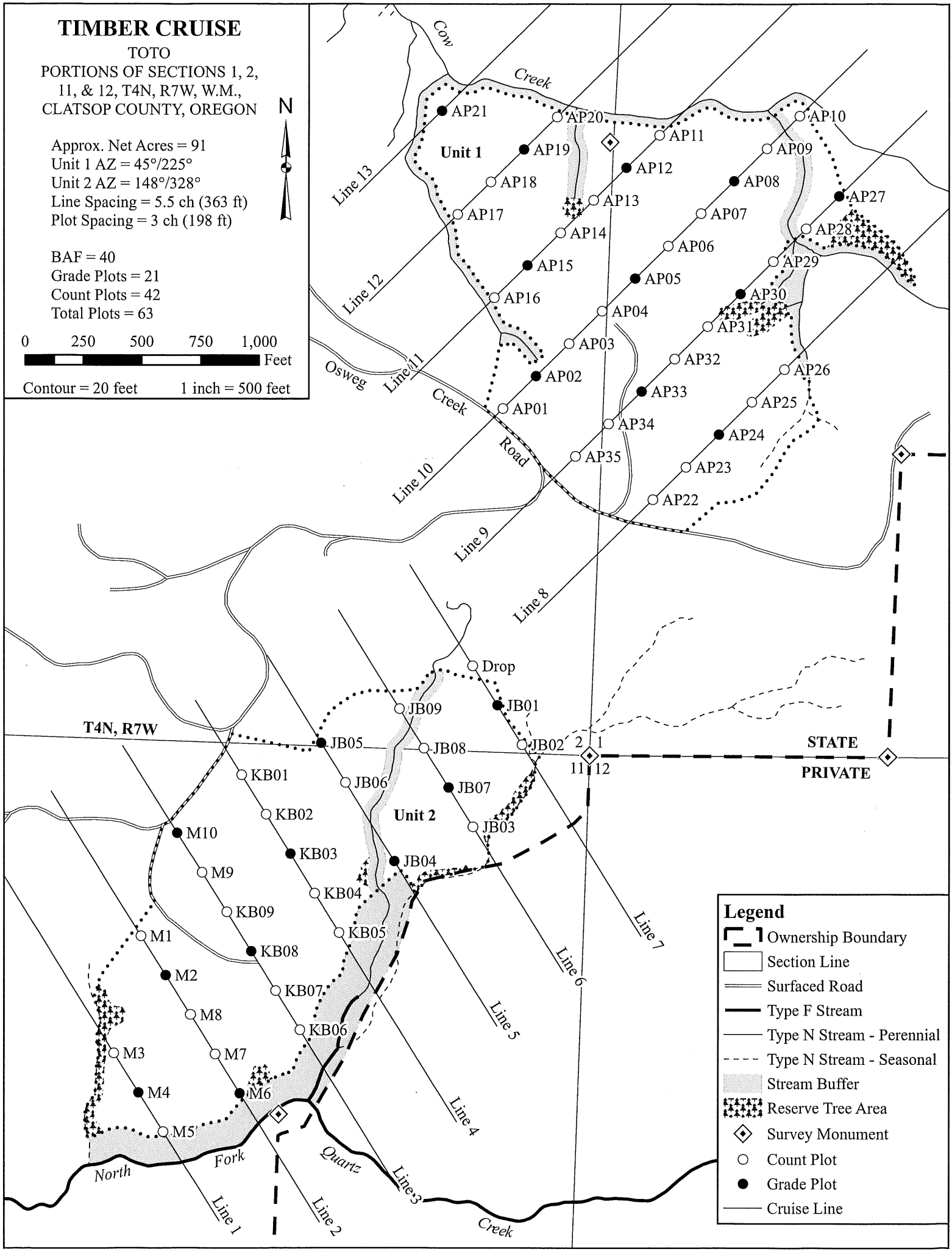
7. Deductions: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results 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: Michele Huffman
Approved by: John Tillotson
Date: 3/12/2025


TIMBER CRUISE
TOTO
PORTIONS OF SECTIONS 1, 2, 11, & 12, T4N, R7W, W.M., CLATSOP COUNTY, OREGON
Approx. Net Acres = 91
Unit 1 AZ = 45°/225°
Unit 2 AZ = 148°/328°
Line Spacing = 5.5 ch (363 ft)
Plot Spacing = 3 ch (198 ft)
BAF = 40
Grade Plots = 21
Count Plots = 42
Total Plots = 63
0 250 500 750 1,000 Feet
Contour = 20 feet
1 inch = 500 feet
N
Cow Creek
Unit 1
Unit 2
Line 13
Line 12
Line 11
Line 10
Line 9
Line 8
Line 7
Line 6
Line 5
Line 4
Line 3
Line 2
Line 1
Osweg Creek
Road
North Fork Quartz Creek
Drop
T4N, R7W
STATE
PRIVATE
AP01
AP02
AP03
AP04
AP05
AP06
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AP08
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M3
M4
M5
M6
M7
M8
M9
M10
Legend
Ownership Boundary
Section Line
Surfaced Road
Type F Stream
Type N Stream - Perennial
Type N Stream - Seasonal
Stream Buffer
Reserve Tree Area
Survey Monument
Count Plot
Grade Plot
Cruise Line

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T04N R07W S02 Ty00MC 91.00

Project: TOTO
Acres 91.00

Page 1
Date 3/24/2025
Time 11:24:29AM

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
H		DOCU														11	12		0.00	2.6
H		DO2S	78	.6	4,272	4,246	386		3	28	69			6	94	39	17	463	2.63	9.2
H		DO3S	17	.7	895	889	81		88	12		3	8	10	80	37	8	89	0.80	10.0
H		DO4S	5		242	242	22		100			100				18	6	21	0.41	11.3
H	**Totals**		13	.6	5,409	5,377	489		21	24	55	5	1	7	87	29	10	162	1.37	33.1
D		DOCU														12	28		0.00	2.6
D		DO2S	88	1.0	27,909	27,621	2,513		0	25	75	1	1	4	93	39	17	515	2.88	53.6
D		DO3S	10	1.0	3,284	3,250	296		82	10	8	13	16	8	62	33	9	107	0.97	30.5
D		DO4S	2		439	439	40		100			34	66			23	7	32	0.45	13.9
D	**Totals**		74	1.0	31,633	31,310	2,849		10	23	67	3	4	5	89	34	14	311	2.07	100.6
S		DOCU														9	21		0.00	.6
S		DO2S	86		935	935	85		1	53	46	1			99	37	15	336	2.46	2.8
S		DO3S	8		78	78	7		100					100		32	11	140	1.16	.6
S		DO4S	6		62	62	6		100			49	51			21	7	34	0.63	1.8
S	**Totals**		3		1,075	1,075	98		14	46	40	4	3	7	86	29	12	189	1.81	5.7
A		DOCU														4	17		0.00	.5
A		DO1S	43	.8	1,729	1,715	156			82	18	8			92	38	14	288	1.91	6.0
A		DO2S	28	1.1	1,091	1,079	98		79	21					100	40	11	183	1.28	5.9
A		DO3S	13		507	507	46		100						100	38	8	107	0.88	4.7
A		DO4S	16		606	606	55		100			27	5		68	27	7	43	0.64	14.2
A	**Totals**		9	.6	3,933	3,908	355 ~~356~~		50	42	8	8	1		91	33	9	125	1.10	31.3
GF		DO2S	91		338	338	31				100				100	40	19	610	2.95	.6
GF		DO3S	9		33	33	3		100						100	40	9	120	1.08	.3
GF	**Totals**		1		371	371	34		9		91				100	40	16	447	2.32	.8
Totals				0.9	42,421	42,040	3,825 ~~3,826~~		15	25	59	4	3	5	89	33	12	245	1.77	171.5

TC PSTATS

PROJECT STATISTICS

PROJECT TOTO

DATE 3/24/2025

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	07	02	U12TAKE	00MC	91.00	63	357	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	63	357	5.7		
CRUISE	22	118	5.4	7,097	1.7
DBH COUNT					
REFOREST					
COUNT	41	232	5.7		
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	75	40.2	26.5	90	29.9	154.3	31,633	31,310	7,089	7,089
WHEMLOCK	19	18.1	18.1	60	7.6	32.4	5,409	5,377	1,315	1,315
R ALDER	19	17.4	18.1	63	7.3	31.1	3,933	3,908	1,135	1,135
S SPRUCE	4	2.1	26.0	82	1.5	7.6	1,075	1,075	297	297
GR FIR	1	.3	29.0	124	0.2	1.3	371	371	77	77
TOTAL	*118*	*78.0*	*23.1*	*77*	*47.2*	*226.7*	*42,421*	*42,040*	*9,913*	*9,913*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	46.7	5.4	1,071	1,132	1,193			
WHEMLOCK	88.9	20.9	545	689	834			
R ALDER	50.4	11.9	235	266	298			
S SPRUCE	42.3	24.2	438	578	717			
GR FIR								
TOTAL	*65.5*	*6.0*	*850*	*904*	*959*	*172*	*43*	*19*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	65.9	8.3	37	40	43			
WHEMLOCK	168.6	21.2	14	18	22			
R ALDER	193.7	24.4	13	17	22			
S SPRUCE	340.8	42.9	1	2	3			
GR FIR	556.7	70.1	0	0	0			
TOTAL	*55.3*	*7.0*	*73*	*78*	*83*	*122*	*30*	*14*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	52.4	6.6	144	154	164			
WHEMLOCK	132.9	16.7	27	32	38			
R ALDER	193.8	24.4	24	31	39			
S SPRUCE	338.1	42.6	4	8	11			
GR FIR	556.7	70.1	0	1	2			
TOTAL	*34.9*	*4.4*	*217*	*227*	*237*	*49*	*12*	*5*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	52.3	6.6	29,248	31,310	33,372			
WHEMLOCK	137.0	17.2	4,450	5,377	6,304			
R ALDER	198.9	25.0	2,929	3,908	4,886			
S SPRUCE	348.1	43.8	604	1,075	1,546			
GR FIR	556.7	70.1	111	371	631			
TOTAL	*35.1*	*4.4*	*40,184*	*42,040*	*43,897*	*49*	*12*	*5*

TC PLOGSTVB

Log Stock Table - MBF

T04N R07W S02 Ty00MC 91.00

Project: TOTO
Acres 91.00

Page 1
Date 3/24/2025
Time 11:23:30AM

Spp	S T	Sort	Grade	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+
H		DO	2S	32	24		24	5.0							24					
H		DO	2S	36	12		12	2.4						12						
H		DO	2S	40	353		350	71.6					12	5	67	127	87	23	31	
H		DO	3S	16	2		2	.5					2							
H		DO	3S	26	4	15.8	3	.6							3					
H		DO	3S	30	3		3	.7			3									
H		DO	3S	32	8		8	1.6			4		4							
H		DO	3S	40	64		64	13.2			15	35	8	7						
H		DO	4S	16	10		10	2.1			8	2								
H		DO	4S	20	12		12	2.4			12									
H		Totals			492		489	12.8			42	36	26	23	94	127	87	23	31	
D		DO	2S	16	2		2	.1						2						
D		DO	2S	20	33		33	1.1						6			11	15		
D		DO	2S	28	3		3	.1						3						
D		DO	2S	30	25		25	.9						4		21				
D		DO	2S	32	100		100	3.5							16	44	18	22		
D		DO	2S	34	10		10	.4								10				
D		DO	2S	36	26		26	.9										26		
D		DO	2S	38	5		5	.2						5						
D		DO	2S	40	2,336	1.1	2,310	81.1			5			129	308	674	758	406	30	
D		DO	3S	16	10		10	.3					5	4						
D		DO	3S	18	6	8.0	6	.2					4	2						
D		DO	3S	20	24	2.5	23	.8				2	12			9				
D		DO	3S	24	18		18	.6				2	15							
D		DO	3S	26	16	3.5	15	.5				3	10		3					
D		DO	3S	28	11		11	.4				5	3	3						
D		DO	3S	30	5		5	.2			5									
D		DO	3S	32	20		20	.7			3	7	7			3				
D		DO	3S	34	4		4	.1				4								
D		DO	3S	36	21		21	.7			4	4	13							
D		DO	3S	38	9		9	.3				9								
D		DO	3S	40	155		154	5.4			18	43	64	5		10	14			
D		DO	4S	16	2		2	.1			2									
D		DO	4S	18	2		2	.1				2								
D		DO	4S	20	10		10	.3			6	4								
D		DO	4S	24	8		8	.3			8									

TC PLOGSTVB

Log Stock Table - MBF

T04N R07W S02 Ty00MC 91.00

Project: TOTO
Acres 91.00

Date 3/24/2025
Time 11:23:30AM

Spp	ST	Sort	Grade	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	4S	26	15		15	.5			15									
D		DO	4S	30	3		3	.1			3									
D		Totals			2,879	1.0	2,849	74.5			69	85	133	162	327	773	801	469	30	
S		DO	2S	16	1		1	.8			1									
S		DO	2S	36	18		18	18.7								18				
S		DO	2S	40	66		66	67.5						27		39				
S		DO	3S	32	7		7	7.3					7							
S		DO	4S	16	2		2	1.6			2									
S		DO	4S	20	1		1	1.2			1									
S		DO	4S	26	3		3	2.9			3									
S		Totals			98		98	2.6			6		7	27		57				
A		DO	1S	20	13		13	3.6								13				
A		DO	1S	36	13		13	3.8							13					
A		DO	1S	38	16		16	4.5						16						
A		DO	1S	40	115	1.1	114	32.0						19	59	36				
A		DO	2S	38	15	7.1	14	3.9					14							
A		DO	2S	40	84		84	23.7					64		20					
A		DO	3S	36	20		20	5.7			3		17							
A		DO	3S	40	26		26	7.2			4	21								
A		DO	4S	12	1		1	.3			1									
A		DO	4S	16	6		6	1.6			6									
A		DO	4S	18	3		3	.9			3									
A		DO	4S	20	5		5	1.4			5									
A		DO	4S	28	3		3	.7			3									
A		DO	4S	38	12		12	3.4			12									
A		DO	4S	40	26		26	7.2			26									
A		Totals			358		356	9.3			63	21	95	35	93	48				
GF		DO	2S	40	31		31	91.0								12	19			
GF		DO	3S	40	3		3	9.0				3								
GF		Totals			34		34	.9				3				12	19			
Total		All Species			3,860		3,826	100.0			180	145	261	248	515	1017	907	492	61	

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 3/24/2025

T04N R07W S02 Ty00MC 91.00

Project TOTO
Acres 91.00

Time: 11:22:42AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
D		9	1	85	54	4.656	2.06	4.66	9.0	30.0		42	140		38	13
D		12	1	86	72	2.619	2.06	2.62	19.0	60.0		50	157		45	14
D		13	1	85	100	2.232	2.06	4.46	16.5	55.0		74	245		67	22
D		19	1	88	93	1.045	2.06	2.09	37.0	125.0		77	261		70	24
D		20	1	85	140	.943	2.06	2.83	39.3	156.7		111	443		101	40
D		21	2	85	133	1.711	4.11	5.13	39.8	153.3		204	787		186	72
D		22	3	85	109	2.338	6.17	5.45	48.0	171.4		262	935		238	85
D		23	2	86	124	1.426	4.11	3.56	55.0	212.0		196	756		178	69
D		24	1	89	158	.655	2.06	1.96	60.0	263.3		118	517		107	47
D		25	3	85	134	1.810	6.17	5.43	58.0	237.8		315	1,291		287	118
D		26	1	85	130	.558	2.06	1.67	61.7	256.7		103	430		94	39
D		27	3	86	126	1.552	6.17	4.14	71.9	300.0		297	1,242		271	113
D		28	5	85	138	2.405	10.29	7:22	72.5	298.7		523	2,155		476	196
D		29	7	86	145	3.139	14.40	9.42	81.7	372.4		770	3,507		700	319
D		30	3	85	128	1.257	6.17	3.35	88.0	386.2		295	1,295		268	118
D		31	4	85	143	1.570	8.23	4.71	91.9	421.7		433	1,986		394	181
D		32	6	87	137	2.210	12.34	6.63	96.3	462.2		639	3,065		581	279
D		33	5	86	137	1.732	10.29	4.85	105.6	498.6		512	2,417		466	220
D		34	1	81	130	.326	2.06	.98	99.0	416.7		97	408		88	37
D		35	1	85	158	.308	2.06	.31	213.0	1150.0		66	354		60	32
D		36	3	83	132	.873	6.17	2.62	93.2	450.0		244	1,179		222	107
D		37	8	82	134	2.204	16.46	6.34	108.0	521.3		685	3,303		623	301
D		38	2	79	131	.522	4.11	1.31	111.2	518.0		145	677		132	62
D		39	1	76	137	.248	2.06	.74	127.7	473.3		95	352		86	32
D		40	2	79	137	.471	4.11	1.41	138.2	613.3		195	867		178	79
D		41	1	80	130	.224	2.06	.67	140.3	640.0		94	431		86	39
D		42	1	80	133	.214	2.06	.64	124.7	626.7		80	402		73	37
D		43	3	78	136	.612	6.17	1.84	145.8	682.2		268	1,252		244	114
D		46	1	73	140	.178	2.06	.53	129.3	633.3		69	339		63	31
D		57	1	48	121	.116	2.06	.35	84.0	333.3		29	116		27	11
D		Totals	75	85	118	40.156	154.29	97.93	72.4	319.7		7,089	31,310		6,451	2,849
H		9	1	83	46	3.858	1.70	3.86	8.0	20.0		31	77		28	7
H		12	2	84	57	4.340	3.41	4.34	15.0	40.0		65	174		59	16
H		13	2	86	86	3.698	3.41	7.40	17.0	55.0		126	407		114	37
H		20	1	86	134	.781	1.70	.78	71.0	290.0		55	227		50	21
H		21	2	86	139	1.417	3.41	4.25	46.0	198.3		196	843		178	77
H		25	1	83	121	.500	1.70	1.50	57.0	220.0		85	330		78	30
H		26	2	87	104	.924	3.41	2.31	67.8	280.0		157	647		143	59
H		27	1	93	111	.429	1.70	1.29	66.0	330.0		85	424		77	39
H		28	1	88	103	.399	1.70	.80	85.5	345.0		68	275		62	25
H		29	2	84	103	.743	3.41	1.86	79.0	310.0		147	576		134	52
H		34	2	82	111	.541	3.41	1.08	117.5	510.0		127	551		116	50
H		37	1	82	103	.228	1.70	.46	162.0	665.0		74	304		67	28
H		39	1	92	135	.205	1.70	.62	161.0	880.0		99	542		90	49
H		Totals	19	85	82	18.063	32.38	30.53	43.1	176.1		1,315	5,377		1,197	489
A		14	2	87	71	3.063	3.27	4.60	23.0	70.0		106	322		96	29
A		15	1	87	71	1.334	1.64	1.33	36.0	140.0		48	187		44	17
A		16	4	87	77	4.691	6.55	8.21	28.1	90.0		231	739		210	67
A		17	1	86	103	1.039	1.64	2.08	36.5	130.0		76	270		69	25
A		18	2	86	82	1.853	3.27	3.71	33.0	107.5		122	398		111	36
A		19	1	87	70	.832	1.64	1.66	32.0	100.0		53	166		48	15
A		21	2	86	101	1.362	3.27	2.72	53.7	192.5		146	524		133	48

TC PSTNDSUM

Stand Table Summary

Page 2
Date: 3/24/2025

T04N R07W S02 Ty00MC 91.00

Project TOTO
Acres 91.00

Time: 11:22:42AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
A		22	2	87	95	1.241	3.27	2.48	56.2	212.5		140	527		127	48
A		23	2	86	82	1.135	3.27	2.27	54.2	195.0		123	443		112	40
A		24	1	87	52	.521	1.64	1.04	35.5	150.0		37	156		34	14
A		29	1	87	70	.357	1.64	.71	73.5	245.0		52	175		48	16
A		Totals	19	87	80	17.428	31.11	30.82	36.8	126.8		1,135	3,908		1,033	356
S		21	1	82	82	.792	1.90	1.58	46.5	140.0		74	222		67	20
S		25	1	82	113	.559	1.90	1.68	40.3	176.7		68	296		62	27
S		28	1	83	119	.445	1.90	1.34	73.3	290.0		98	388		89	35
S		36	1	80	63	.269	1.90	.54	107.5	315.0		58	170		53	15
S		Totals	4	82	96	2.066	7.62	5.14	57.9	209.4		297	1,075		270	98
GF		29	1	86	153	.277	1.27	.83	93.0	446.7		77	371		70	34
GF		Totals	1	86	153	.277	1.27	.83	93.0	446.7		77	371		70	34
Totals			118	85	100	77.989	226.67	165.25	60.0	254.4		9,913	42,040		9,021	3,826

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2025-W01059-01
TOTO
PORTIONS OF SECTIONS 1, 2, & 11
OF T4N, R7W, W.M.,
CLATSOP COUNTY, OREGON

Unit	Tractor	Cable	Acres
Unit 1	36%	64%	50
Unit 2	49%	51%	41
Unit 3 (R/W)	0%	0%	<1
Total	42%	58%	91

N

0 500 1,000 2,000
Feet

Contours = 20 feet 1 inch equals 1,000 feet

Legend

- Ownership Boundary
- Timber Sale Boundary
- Paved Road
- Surfaced Road
- Unsurfaced Road
- New Road Construction - Surfaced
- Landing to be Constructed
- Existing Landing
- T Ground Based Yarding
- Cable Based Yarding
- Type F Stream
- Type N Stream - Perennial
- Type N Stream - Seasonal
- Non-Posted Stream Buffer
- Posted Stream Buffer
- Reserve Tree Area
- Non-Stocked Area
- Reforestation Area
- Controlled Felling Area
- Section Line
- Survey Monument