



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Sweet Fry
Sale AT-341-2026-W01188-01

District: Astoria

Date: January 12, 2026

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,159,925.42	\$91,258.79	\$1,251,184.21
		Project Work:	(\$166,595.00)
		Advertised Value:	\$1,084,589.21



Timber Sale Appraisal Sweet Fry Sale AT-341-2026-W01188-01

District: Astoria

Date: January 12, 2026

Timber Description

Location: Portions of Sections 29, 30, and 31, T4N, R8W, W.M., Clatsop County, Oregon.

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	98
Western Hemlock / Fir	17	0	97
Sitka Spruce	15	0	97
Red Cedar	21	0	97
Alder (Red)	12	0	96
Maple	16	0	94

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	Camprun	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	350	983	15	0	0	0	0	0	1,348
Western Hemlock / Fir	1,348	958	99	0	0	0	0	0	2,405
Sitka Spruce	155	106	124	0	0	0	0	0	385
Red Cedar	0	0	0	100	0	0	0	0	100
Alder (Red)	0	0	0	0	107	123	98	435	763
Maple	0	0	0	8	0	0	0	0	8
Total	1,853	2,047	238	108	107	123	98	435	5,009

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

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

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

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

Ditch Filters:

20 bales of straw @ \$13.39/bale = \$267.80

4 hours of labor @ \$50/hour = \$200

Total P&R Cost = \$2,467.80

Other Costs (No Profit & Risk added):

Culvert Removal on 3A to 3B:

4 Hours w/C315 Excavator @ \$127/hour = \$508 (Cost to walk to culvert, remove culvert, and restore waterbars is included in the Road Maintenance Cost Summary.)

Total Cost (no P&R)= \$0

SLASH PILING

(See attached appraisal. Includes move-in, pile materials, and end hauling) = \$34,752.17

ROAD MAINTENANCE:

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: \$30,771/5,009 MBF = \$6.14/MBF



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Logging Conditions

Combination#: 1

Douglas - Fir	58.00%
Western Hemlock / Fir	58.00%
Sitka Spruce	58.00%
Red Cedar	58.00%
Alder (Red)	58.00%
Maple	58.00%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 7 **bd. ft / load:** 4900
cost / mbf: \$232.60
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Medium)

Combination#: 2

Douglas - Fir	42.00%
Western Hemlock / Fir	42.00%
Sitka Spruce	42.00%
Red Cedar	42.00%
Alder (Red)	42.00%
Maple	42.00%

Logging System: Shovel **Process:** Feller Buncher
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 19 **bd. ft / load:** 5000
cost / mbf: \$105.26
machines: Feller Buncher w/ Delimber



"STEWARDSHIP IN FORESTRY"

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District: Astoria

Date: January 12, 2026

Logging Costs

Operating Seasons: 3.00	Profit Risk: 12%
Project Costs: \$166,595.00	Other Costs (P/R): \$2,467.80
Slash Disposal: \$34,752.17	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$6.14

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	5.0
Western Hemlock / Fir	\$0.00	3.0	4.8
Sitka Spruce	\$0.00	3.0	6.0
Red Cedar	\$0.00	2.0	5.5
Alder (Red)	\$0.00	2.0	4.6
Maple	\$0.00	2.0	4.6



Timber Sale Appraisal
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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$179.12	\$6.26	\$2.63	\$85.00	\$0.49	\$32.82	\$6.94	\$2.00	\$0.00	\$315.26
Western Hemlock / Fir									
\$179.12	\$6.32	\$2.63	\$89.41	\$0.49	\$33.36	\$6.94	\$2.00	\$0.00	\$320.27
Sitka Spruce									
\$179.12	\$6.32	\$2.63	\$71.52	\$0.49	\$31.21	\$6.94	\$2.00	\$0.00	\$300.23
Red Cedar									
\$179.12	\$6.32	\$2.63	\$117.05	\$0.49	\$36.67	\$6.94	\$2.00	\$0.00	\$351.22
Alder (Red)									
\$179.12	\$6.39	\$2.63	\$141.30	\$0.49	\$39.59	\$6.94	\$2.00	\$0.00	\$378.46
Maple									
\$179.12	\$6.51	\$2.63	\$144.02	\$0.49	\$39.93	\$6.94	\$2.00	\$0.00	\$381.64

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$701.80	\$386.54	\$0.00
Western Hemlock / Fir	\$0.00	\$526.33	\$206.06	\$0.00
Sitka Spruce	\$0.00	\$444.95	\$144.72	\$0.00
Red Cedar	\$0.00	\$1,227.00	\$875.78	\$0.00
Alder (Red)	\$0.00	\$498.03	\$119.57	\$0.00
Maple	\$0.00	\$385.00	\$3.36	\$0.00



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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
Red Cedar	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00
Maple	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,348	\$386.54	\$521,055.92
Western Hemlock / Fir	2,405	\$206.06	\$495,574.30
Sitka Spruce	385	\$144.72	\$55,717.20
Red Cedar	100	\$875.78	\$87,578.00
Alder (Red)	763	\$119.57	\$91,231.91
Maple	8	\$3.36	\$26.88

Gross Timber Sale Value

Recovery: \$1,251,184.21

Prepared By: Justin Bush

Phone: 503-325-5451

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale: Sweet Fry
Date: October 24, 2025
By: Justin Bush

MBF: 5,009
\$/MBF: \$6.14

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost
Interim Maintenance and/or Snow Plowing	Grader 14G	\$921	1	8	\$88	\$1,625
	Grader 14G	\$921	1	8	\$88	\$1,625
Interim Maintenance	Vibratory Roller	\$972	1	8	\$97	\$1,748
	Dump Truck 12CY	\$205	1	4	\$110	\$645
	C580 Rubber Tire Backhoe	\$401	1	2	\$97	\$595
	Grader 14G	\$921	1	60	\$88	\$6,201
Final Road Maintenance	Dump Truck 12CY	\$205	2	30	\$110	\$3,710
	FE Loader C966	\$972	1	4	\$105	\$1,392
	Vibratory Roller	\$972	1	60	\$97	\$6,792
	Water Truck 2,500 gallon	\$238	1	20	\$113	\$2,498
	Excavator C315*	\$1,005	1.5	16	\$127	\$3,540
	Labor			8	\$50	\$400
Total						\$30,771

*Excavator hours includes time to remove and dispose of culvert on 3A to 3B.

Interim Operations Road Maintenance (initial)

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	3.0	3.0	1.0	8

Interim Operations Road Maintenance (second)

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	3.0	3.0	1.0	8
Vibratory Roller	1.5	1.5	1.0	8

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	11	7.3	59
Vibratory Roller	1.5	11	7.3	59

Process and compact: All crushed rock roads

Hill Road = 0.7 miles

Fall Creek Road = 3.2 miles

Sweet Home Creek Road = 1.1 miles

Fry Creek Road = 3.2 miles

Unnamed Spur Roads = 2.8 miles

Grade & Process Total =11 miles

Site Prep Appraisal

Sale Name: Sweet Fry
Date: 10/23/2025

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	MC	B	18	18	\$160.00	\$2,880.00
2	MC	C	53	95	\$160.00	\$15,264.00
3	MC	F	10	5	\$160.00	\$800.00
In-unit Piling						Sub Total = \$18,944.00

Sale Area	Number of Landings to be Piled	# acres to Landings per Area	Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area
1	8	25	\$800.00	89	\$5.00	\$445.00
2	22	99	\$4,224.00	287	\$5.00	\$1,435.00
3	10	71	\$3,786.67	12.5	\$5.00	\$62.50

*Cost includes separating firewood

					Materials	Sub Total = \$1,942.50
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Additional Move-in allowance					
Move-In Allowance	Number of Move-In's	Total Move-In Allowance			

\$1,610.00	1	\$1,610.00	Slash piler		
\$205.00	1	\$205.00	Dump truck		
Move-In					Sub Total = \$1,815.00

Slash Endhaul

Dump Truck hrs	Cost/Hour	Total	Loader hrs	Cost/Hour	Total
12	\$110.00	\$1,320.00	12	\$160.00	\$1,920.00
					Sub Total = \$3,240.00

Grand Total = \$34,752.17

SUMMARY OF ALL PROJECT COSTS

SALE NAME: Sweet Fry

Project No. 1: SALE ACCESS ROAD CONSTRUCTION and LANDING CONSTRUCTION:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
Surfaced			
1A to 1B, 3C to 3D			
3E to 3F	7.15	0.14	\$6,812.00
Unsurfaced			
3A to 3B	7.30	0.14	\$6,308.00
Road Maint.			\$1,977.28
Move-In			\$940.64
TOTALS	14.45	0.27	\$16,038

Project No. 2: SALE ACCESS ROAD IMPROVEMENT, SURFACE ROCK REPLACEMENT, and ROAD MAINTENANCE:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
I1 to I2, I3 to I4,			
I5 to I6, I7 to I8,			
I9 to I10, I11 to I12,			
I13 to I14, I15 to I16	571.30	10.82	\$116,721.10
Road Maint.			\$17,590.72
Move-In			\$8,368.36
TOTALS		10.82	\$142,680

SPECIAL PROJECTS (Move-In and Road Maint. are included separately as needed, for each Special Project):

<u>Description</u>	<u>Length/Vol.</u>	<u>Cost</u>
Proj. 3 Waterhole Improvement		\$5,115.00
Proj. 4 Stream Enhancement		\$2,762.00
TOTAL		\$7,877

GRAND TOTAL **\$166,595**

Compiled By: D. Farner CB

Date: 10/20/2025

Move In and Maintenance Calculator for Construction and Improvement

SALE NAME: Sweet Fry

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
Surfaced			
1A to 1B, 3C to 3D			
3E to 3F	7.15	0.14	\$6,812.00
Unsurfaced			
3A to 3B	7.30	0.14	\$6,308.00
TOTALS	14.45	0.27	\$13,120

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
I1 to I2, I3 to I4,			
I5 to I6, I7 to I8,			
I9 to I10, I11 to I12,			
I13 to I14, I15 to I16	571.30	10.82	\$116,721.10
TOTALS	571.30	10.82	\$116,721

MOVE IN (Construction & Improvement Only)

<u>Equipment</u>	<u>Length/Mile</u>	<u>Cost</u>
Excavator c330		\$1,755.00
Excavator c315		\$1,005.00
Front End Loader c966		\$972.00
Grader 14G		\$972.00
Dozer d8		\$1,755.00
Vibratory Roller		\$972.00
Dump Truck 10/12 yd. (x8)		\$1,640.00
Water Truck 2500 gal.		\$238.00
TOTAL		\$9,309.00

ROAD MAINTENANCE (Construction & Improvement Only)

	<u>Length/Mile</u>	<u>Cost</u>
Hopin Home Road to	8.73	\$19,568.00
Cougar Mountain Stockpile		
Keesler Ridge Road to		
Rector Quarry		
TOTAL		\$19,568.00

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Sweet Fry
ROAD: 1A to 1B, 3A to 3B, 3C to 3D, 3E to 3F
POINTS:
NEW CONSTRUCTION: 14.45 STATIONS
IMPROVEMENT: 571.30 STATIONS
0.27 MILES
10.82 MILES

CLEARING & GRUBBING						
Method		Acres/amount	X	Rate	=	Cost
1A to 1B	Scatter outside of right of way	0.13	X	\$ 1,669	=	\$216.97
3A to 3B	Scatter outside of right of way	0.67	X	\$ 1,669	=	\$1,118.23
3C to 3D	Scatter outside of right of way	0.12	X	\$ 1,669	=	\$200.28
3E to 3F	Scatter outside of right of way	0.42	X	\$ 1,669	=	\$700.98
SUB TOTAL FOR CLEARING & GRUBBING						\$2,236

EXCAVATION					
Material	Cy/amount	x	Rate	=	Cost
1A to 1B					
0+00 to 1+35 Balance construction	1.35	x	\$154.00	=	\$207.90
1+35 Construct Landing	1	x	\$487.00	=	\$487.00
3A to 3B					
0+00 to 7+30 Balance construction	7.30	x	\$154.00	=	\$1,124.20
3C to 3D					
0+00 to 1+30 Balance construction	1.3	x	\$154.00	=	\$200.20
1+30 Construct Landing	1	x	\$487.00	=	\$487.00
3E to 3F					
0+00 Waterbar and block	1	x	\$127.00	=	\$127.00
4+50 Construct Landing	1	x	\$487.00	=	\$487.00
SUB TOTAL FOR EXCAVATION					
					\$3,120

CULVERT MATERIALS AND INSTALLATION								
Location	Dia/type	Lineal ft.	Rate	Cost	Location	Dia/type	Lineal ft.	Cost
1A to 1B					3A to 3B			
0+00	18" CPP	40	\$29.73	\$1,189.20	3+25	18" CPP	50	\$1,486.50
Other/miscellaneous:				Description	Quantity	Rate	Cost	
Culvert stakes & markers:					1	\$25.53	\$25.53	
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION				\$2,701				
				Subtotal of Clearing, Exc., Culv.				\$8,058

SURFACING		Subgrade prep:		Description		Stations/ amount	x	Rate/ sta/amt	Cost
				Grade, Shape and Ditch 16'	1A to 1B (1.35 sta.), 3E to 3F(4.5 sta.), 3C to 3D (1.3 sta.)	7.15	x	\$30.98	\$221.51
				Subgrade Compaction	1A to 1B (1.35 sta.), 3A to 3B(7.3 sta.), 3C to 3D (1.3 sta.), 3E to 3F (4.5 sta.)	14.45	x	\$25.19	\$364.00
				Grade Outslope	3A to 3B(7.3 sta.)	7.30	x	\$22.89	\$167.10

ROAD SEGMENT		1A to 1B		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	1A to 1B	0+00 to 1+35 Number of	stations junctions landings			
Base Rock	6"-0" jaw-run	0+00 to 1+35	12	station	86	1	135	116	\$3.98	\$462
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junctions	22	1	1	22	\$11.58	\$255
Landings	6"-0" pit-run	1+35	N/A	landing	66	1	1	66	\$11.40	\$752
Total Rock for Road Segment:								204		\$1,469

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	0+00 to 7+30 Number of	stations junctions			
Base Rock	6"-0" jaw-run	0+00 to 1+00	12	station	75	1	1	75	\$3.98	\$299
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junctions	22	1	1	22	\$11.58	\$255
Total Rock for Road Segment:								97		\$553

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	0+00 to 1+30 Number of	stations junctions landings			
Base Rock	6"-0" jaw-run	0+00 to 1+30	12	station	86	1	130	112	\$3.98	\$445
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junctions	22	1	1	22	\$11.58	\$255
Landings	6"-0" pit-run	1+30	N/A	landing	66	1	1	66	\$11.40	\$752
Total Rock for Road Segment:								200		\$1,452

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	0+00 to 4+50 Number of	junctions			
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junctions	44	1	1	44	\$11.58	\$510
Total Rock for Road Segment:								44		\$510

$$\frac{0.27 \text{ MILES}}{10.82 \text{ MILES}}$$

NEW CONSTRUCTION:	14.45 STATIONS
IMPROVEMENT:	571.30 STATIONS

Excavation	Material	Cy/amount	X	Rate	=	Cost
I1 to I2						
81+80 to 83+30	Clean ravel, re-establish ditch	c315hrs/\$	1	\$127.00	=	\$127.00
	End haul to Fall Cr. Pit					
	Waste area	dmp trk hrs/\$	1	\$110.00	=	\$110.00
158+30	Prepare and open waste area	c315hrs/\$	1	\$127.00	=	\$127.00
158+50 to 172+55	Clean ravel, re-establish ditchline	4		\$127.00	=	\$508.00
	End haul to Fall Cr. Pit					
	Waste area	4		\$99.00	=	\$396.00
	Seed/Mulch/Labor	1		\$230.00	=	\$230.00
205+70	Extend culvert ditch out to drain to forest floor.	c315hrs/\$	1	\$127.00	=	\$127.00
208+15	Install series of three rock ditch filters	c315hrs/\$	1	\$127.00	=	\$127.00
208+40	Construct series of two settling ponds from culvert outflow	c315hrs/\$	2	\$127.00	=	\$254.00
	Seed/Mulch/Labor	1		\$230.00	=	\$230.00
207+00	Install series of three rock ditch filters	c315hrs/\$	1	\$127.00	=	\$127.00
207+60 to 208+20	Clean bridge deck and re-establish drainage at all corners	c315hrs/\$	1	\$127.00	=	\$127.00
	Seed/Mulch/Labor	1		\$230.00	=	\$230.00
208+50	Install series of three rock ditch filters	c315hrs/\$	1	\$127.00	=	\$127.00
208+80	Construct settling pond	c315hrs/\$	1	\$127.00	=	\$127.00
	Seed/Mulch/Labor	1		\$230.00	=	\$230.00
209+00	Construct ditchout block existing ditch					
	Install series of three rock	c315hrs/\$	1	\$127.00	=	\$127.00
	Seed/Mulch/Labor	1		\$230.00	=	\$230.00
254+40	Install cross drain energy dissipator	dissinator/\$	1	\$225.33	=	\$225.33

[illegible]

CULVERT MATERIALS AND INSTALLATION									
Location	Dia/type	Lineal ft.	Rate	Cost	Location	Dia/type	Lineal ft.	Rate	Cost
I1 to I2					I3 to I4				
205+70	18 CPP	40	\$29.73	\$1,189.20	19+65	18 CPP	30	\$29.73	\$891.90
223+70	18 CPP	30	\$29.73	\$891.90	163+30	18 CPP	30	\$29.73	\$891.90
254+40	18 CPP	30	\$29.73	\$891.90					
Description					Quantity	Rate	Cost		
Other/miscellaneous:									
Culvert stakes & markers:					10	\$25.53	\$255.30		
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION									
							\$5,012		
Subtotal of Clearing, Exc., Culv.							\$14,565		

SURFACING									
Subgrade prep:			Description		Stations/ amount	x	Rate/ sta./amt	Cost	
			Grade, Shape and Ditch 16'		11 to 12(260.1 sta.), 13 to 14(235.4 sta.), 15 to 16(13.3 sta.), 17 to 18(3.6 sta.), 19 to 110(25.4 sta.), 111 to 112(11.3 sta.), 113 to 114(6.0 sta.), 115 to 116(16.2 sta.)	571.30	x	\$30.98	\$17,698.87
			Subgrade Compaction:		13 to 14 (0+00 to 63+50, 88+80 to 101+10, 129+75 to 137+10, 141+40 to 166+00, 188+80 to 195+00, 217+25 to 235+40)	132.10	x	\$25.19	\$3,327.60
			Scatter Ditch Waste:		All segments	300.00	x	\$15.48	\$4,644.00
			Sod Removal:		15 to 16(13.3 sta.), 19 to 110(15.8 sta.), 115 to 116(16.2 sta.)	45.30	x	\$29.08	\$1,317.32
			Backhoe to scatter sod debris		15 to 16(13.3 sta.), 19 to 110(15.8 sta.), 115 to 116(16.2 sta.)	45.30	x	\$11.19	\$506.91
ROAD SEGMENT									
Application	11 to 12	Rock Size and Type	Depth of Rock (inches)	Location	POINT TO POINT		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
					11 to 12	Sta. to Sta. 0+00 to 260+10 Number of			
Surface Leveling Rock	1 1/2"-0" crushed		N/A	208+80	load	11	11	\$11.58	\$127
Culvert Bedding and Backfill	1 1/2"-0" crushed		N/A	205+70, 223+70, 254+40	culvert	44	3	\$11.58	\$1,529
Rock Ditch Filters	6"-4" pit-run		N/A	206+15, 207+00, 208+50, 209+00	3 filter series	11	4	\$11.40	\$502
Settling Pond Spillway Armoring	6"-0" jaw-run		N/A	(2)206+40, 208+80	settling pond	11	3	\$3.98	\$131
Culvert Energy Dissipator	24"-6" riprap		N/A	254+40	dissipator	11	1	\$11.40	\$125
Total Rock for Road Segment							231		\$2,414
ROAD SEGMENT									
Application	13 to 14	Rock Size and Type	Depth of Rock (inches)	Location	POINT TO POINT		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
					13 to 14	Sta. to Sta. 0+00 to 235+40 Number of			
Surface Leveling Rock	1 1/2"-0" crushed		N/A	8+30	load	11	11	\$11.58	\$127
Surfacing	1 1/2"-0" crushed		2	0+00 to 63+50, 88+80 to 101+10, 129+75 to 137+10, 141+40 to 166+00, 188+80 to 195+00, 217+25 to 235+40	station	13	132.1	\$11.58	\$19,886
Junctions	1 1/2"-0" crushed		N/A	0+00, 16+30	junction	22	2	\$11.58	\$510
Turnouts	1 1/2"-0" crushed		N/A	6+50, 28+60, 35+40, 43+00, 48+75	turnout	11	5	\$11.58	\$637
Turnaround	1 1/2"-0" crushed		N/A	26+90, 35+40, 235+40	turnaround	22	3	\$11.58	\$764
Turnaround	6"-0" jaw-run		N/A	35+40	turnaround	22	1	\$3.98	\$88
Culvert Bedding and Backfill	1 1/2"-0" crushed		N/A	19+65, 163+30	culvert	33	2	\$11.58	\$764
Culvert Energy Dissipator	24"-6" riprap		N/A	19+65	dissipator	11	1	\$11.40	\$125
Subgrade Reinforcement	4"-0" crushed		N/A	23+30 to 25+60	location	44	1	\$11.58	\$510
Road Surface Reconst.	1 1/2"-0" crushed		N/A	23+30 to 25+60 43+00, 48+75,	load	11	2	\$11.58	\$255
Landings	6"-0" pit-run		N/A	235+40	landing	66	3	\$11.40	\$2,257
Total Rock for Road Segment							198		\$25,923
ROAD SEGMENT									
Application	17 to 18	Rock Size and Type	Depth of Rock (inches)	Location	POINT TO POINT		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
					17 to 18	Sta. to Sta. 0+00 to 3+60 Number of			
Landings	6"-0" pit-run		N/A	3+60	landing	66	1	\$11.40	\$752
Total Rock for Road Segment							66		\$752
ROAD SEGMENT									
Application	19 to 110	Rock Size and Type	Depth of Rock (inches)	Location	POINT TO POINT		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
					19 to 110	Sta. to Sta. 0+00 to 25+40 Number of			
Landings	6"-0" pit-run		N/A	4+00	landing	66	1	\$11.40	\$752
Total Rock for Road Segment							66		\$752

ROAD SEGMENT										
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
				I11 to I12	I11 to I12	0+00 to 11+30	Number of			
Landings	6'-0" pit-run	2+00, 9+00, 11+30	N/A	landing	66	landings	3	198	\$11.40	\$2,257
Total Rock for Road Segment:								198		\$2,257
ROAD SEGMENT										
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
				WH1	WH1	0+00 to 0+80	Number of			
Junction	1 1/2"-0" crushed	WH1	N/A	load	11	loads	4	44	\$11.58	\$510
Base Rock	6'-0" jaw-run	0+00 to 0+80	12	station	86	stations	1	86	\$3.98	\$342
Armoring	24"-6" riprap	WH1	N/A	load	11	loads	3	33	\$11.40	\$376
Total Rock for Road Segment:								163		\$1,228
Processing:										
Description				No.sta		Rate/sta		Cost		
Water, Process & Compact:				11 to 12(260.1 sta.), 13 to 14(235.4 sta.), 15 to 16 (13.3 sta.), 17 to 18(3.6 sta.), 19 to 110(25.4 sta.), 111 to 112(11.3 sta.), 113 to 114(6.0 sta.), 115 to 116(16.2 sta.)		571.30		\$70.47		\$40,260

Waterhole Construction and Access Improvement

Sale Name: Sweet Fry

Location: Sweet Fry WH1

Waterhole Excavation/Ramp and Drafting Area Construction	Hours	\$/Hour	
C330	16	\$ 195.00	\$ 3,120.00
10-12cy dump truck	8	\$ 110.00	\$ 880.00
Armoring/Rock Placement/Waste Area Shaping (Close)	Hours	\$/Hour	
C330	3	\$ 195.00	\$ 585.00
10-12cy dump truck	3	\$ 110.00	\$ 330.00
Labor/dewater/seed and mulch			\$ 200.00
	CY	\$/CY	
Armoring (24"-6" Riprap)	33	\$ -	\$ -
6"-0" jawrun	86	\$ -	\$ -
1-1/2"-0" crushed for junctions	44	\$ -	\$ -
		Total	\$ 5,115.00

D. Farner
10/20/2025

Sweet Fry
Stream Enhancement

Location	# Key pieces with rootwad attached		# Key pieces w/out rootwad		Smaller Pieces (tops) per site	Placement method*	Helper/ Labor	Excavator/Yarder Rate/Hr.	Hours	\$/Location	Number of Straw Bales	\$/Bale	Cost per Site**
	Site												
SE1-SE2	1	2	2	2	1	Ground Based	\$50	\$195	2	\$490	1	\$13.39	\$503.39
SE1-SE2	2	2	2	2	1	Ground Based	\$50	\$195	2	\$490	1	\$13.39	\$503.39

Move-in:	C330 Excavator										2	Subtotal	\$1,007
Grass Seed:	\$2.00 per lb.											Move-in	\$1,755
												Seed	\$0

*Ground Based =C 330 excavator or Log Loader

Project Total **\$2,762**

Projects Road Maintenance Cost Summary

Sale: Sweet Fry
Date: 20-Oct-25
By: D. Farner

Type	Equipment/Rationale			Hours	Rate	Cost
Project Work	Grader 14G			48	\$126	\$6,048
Final Haul	Dump Truck 12CY			16	\$110	\$1,760
Road	FE Loader C966			16	\$105	\$1,680
Maintenance	Vibratory Roller			48	\$97	\$4,656
	Water Truck 2,500 gallon			48	\$113	\$5,424
Total						\$19,568

Production Rates

Grader

Vibratory Roller

Miles/day	Distance(miles)	Days
1.5	8.73	5.8
1.5	8.73	5.8

NOTE: Hopin Home Road to Cougar Mountain Stockpile	4.43	Miles
Keesler Ridge Road to Rector Quarry	4.30	Miles
		Miles
		Miles
TOTAL=	8.73	Miles

CRUSHED ROCK COST

SALE NAME:	Sweet Fry
PROJECT:	1,2, and 3
Stockpile:	Keesler Ridge Stockpile
	Cougar Mountain Stockpile

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

DATE: 10/16/2025
BY: D. Farner

[illegible]

ROCK HAUL:

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

Ave haul:	\$9.72	/cy
Load:	\$0.66	/cy
Spread:	\$1.20	/cy

Truck type:	<u>D12</u>	No. trucks:	<u>8</u>
Delay min.:	<u>6</u>	Efficiency:	<u>85%</u>

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

Production: cy/day = 724

CRUSHED ROCK HAUL COSTS 2,300 cy @ \$11.58 /cy

CRUSHED ROCK COST

SALE NAME:	Sweet Fry
PROJECT:	1,2, and 3
Stockpile:	Fry Creek Stockpile Spur

MATERIAL: 6"-0" Jaw-Run

DATE: 10/16/2025
BY: D. Farner

[illegible]

ROCK HAUL:

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

Ave haul:	\$3.12	/cy
Load:	\$0.33	/cy
Spread:	\$0.53	/cy

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

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

Production: cy/day = 1,690

CRUSHED ROCK HAUL COSTS

444 cy @ \$3.98 /cy

PIT RUN ROCK COST

SALE NAME: Sweet Fry
PROJECT: 1, 2, and 3
QUARRY: Rector Quarry

MATERIAL: Pit-Run, RipRap
6"-4" Pit-Run

DATE: 10/16/2025
BY: D. Farner

[illegible]

ROCK HAUL:

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

Ave haul:	\$10.61	/cy
Load:	\$0.79	/cy
Spread:		/cy

Truck type:	<u>D12</u>	No. trucks:	<u>8</u>
Delay min.:	<u>6</u>	Efficiency:	<u>85%</u>

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

Production: cy/day = 663

PIT RUN ROCK HAUL COSTS

759 cy @ \$11.40 /cy

**Sweet Fry
TIMBER CRUISE REPORT
FY 2026**

1. **Sale Area Location:** Portions of Sections 29, 30, & 31 of T4N, R8W, 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	Stream Buffer Acres	Reserve Tree Area	Non-Stocked	Existing R/W Acres	New R/W	Net Acres	Survey Method
1	Clearcut	27	<1	<1	-	2	<1	25	GIS
2	Clearcut	131	24	3	-	5	<1	99	GIS
3	Clearcut	96	20	2	-	2	<1	72	GIS
4	R/W	<1	-	-	-	-	-	<1	LxW
TOTALS		254	44	5	-	9	<1	196	

4. Cruisers and Cruise Dates: Avery Petersen, Ryan Simpson, Kevin Berry, John Czarnecki, and Michele Huffman (10/20/2025-10/24/2025)

5. Cruise Method and Computation:

The Sweet Fry timber sale was stratified and three stands were cruised, portions of which are split between the three units. These stands are: naturally regenerated and un-thinned (U12N3EW), mature and thinned (U2S), and a younger Douglas-fir stand (U3).

U12N3EW: Unit 1, the northwestern portion of Unit 2 (approximately 1/3 of the unit), and the eastern and western portions of Unit 3 were variable plot cruised with a 40 BAF for conifers and 33.61 BAF for hardwoods. A total of 60 plots were sampled on a five chain by two and a half chain spacing with a count to grade ratio of 2:1, resulting in 21 grade plots and 39 count plots.

U2S: The southeastern portion of Unit 2 was variable plot cruised with a 33.61 BAF. A total of 54 plots were sampled on a five chain by two and a half chain spacing with a count to grade ratio of 2:1, resulting in 22 grade plots and 32 count plots.

U3: Unit 3 (excluding the portions described above) was variable plot cruised with a 40 BAF. A total of 24 plots were sampled on a seven chain by four chain spacing with a count to grade ratio of 3:1, resulting in 9 grade plots and 15 count plots*. One count plot was dropped due to being located in a reserve tree retention area.

Unit 4 (R/W): Unit 4 consists of less than one acre of combined right-of-way located in each of the three units. This includes several roadside landings and two short spur roads to cable landings. The volume for the right-of-way can be attributed to the stand it is located in.

*The reported number of count and grade plots in the U3 cruise vary from that shown in the SuperACE statistics reports due to recording one zero-count plot ("blank" plot) and measuring a minor species on a count plot.

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, 2N, 3EW	SWEETFRY	U12N3EW	00CC	71
2 (South)	SWEETFRY	U2S	00CC	64
3	SWEETFRY	U3	00CC	61

6. Timber Description:

Unit 1: A clearcut with an average age of 67 years. The stand consists of western hemlock and red alder with minor components of Douglas-fir and Sitka spruce. The stand includes a few larger spruce that were not captured in the cruise (marked for wildlife trees). The average western hemlock is approximately 15 inches DBH and 57 feet to a merchantable top. The average red alder is approximately 12 inches DBH and 44 feet to a merchantable top. The average Douglas-fir is approximately 15 inches DBH and 48 feet to a merchantable top. The average Sitka spruce is approximately 15 inches DBH and 29 feet to a merchantable top. Average net volume to be harvested per acre is 35 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 consisting of a previously thinned conifer stand, approximately 54 years in age and representing approximately 60% of the acres, an un-thinned stand, averaging 71 years and representing approximately 1/3 of the acres, and a minor component of 37-year-old Douglas-fir.

The un-thinned portion consists of western hemlock, red alder, Sitka spruce, and minor components of Douglas-fir, western redcedar, and bigleaf maple. The average western hemlock is approximately 15 inches DBH and 57 feet to a merchantable top. The average red alder is approximately 12 inches DBH and 44 feet to a merchantable top. The average take Sitka spruce is approximately 15 inches DBH and 29 feet to a merchantable top. The average Douglas-fir is approximately 15 inches DBH and 48 feet to a merchantable top. The average western redcedar is 22 inches DBH and 50 feet to a merchantable top. The average bigleaf maple is 16 inches DBH and 44 feet to a merchantable top. Average net volume to be harvested per acre is 35 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

The previously thinned portion of Unit 2 consists of western hemlock, Douglas-fir, and Sitka spruce with minor components of both red alder and western redcedar. The average western hemlock is 23 inches DBH and 72 feet to a merchantable top. The average Douglas-fir is 18 inches DBH and 60 feet to a merchantable top. The average take Sitka spruce is 26 inches DBH and 76 feet to a merchantable top. The average red alder is 12 inches DBH and 28 feet to a merchantable top. The average western redcedar is 18 inches DBH and 17 feet to a merchantable top. Average net volume to be harvested per acre is 26 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 37 years (approximately 10 acres of Unit 3 were cruised with Unit 1 and portions of Unit 2, and the associated timber is similar in description for these units). The stand consists of Douglas-fir with minor components of Sitka spruce, red alder, and western hemlock. The average Douglas-fir is approximately 14 inches DBH and 45 feet to a merchantable top. The average Sitka spruce is approximately 13 inches DBH and 27 feet to a merchantable top. The average red alder is approximately 15 inches DBH and 39 feet to a merchantable top. The average western hemlock is approximately 17 inches DBH and 37 feet to a merchantable top. Average net volume to be harvested per acre is 15 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 in description to the timber in the associated units.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Type	Estimated CV	Target SE%	Actual CV	Actual SE%
U12N3EW	50%	9%	43.3%	5.6%
U2S	38%	11%	37.1%	5.0%
U3	30%	11%	26.3%	5.5%

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	17"	2,405	1,348	929	128	0.6%	48%
Douglas-fir	15"	1,348	350	807	191	1.6%	27%
Sitka spruce	15"	385	155	179	51	3.0%	8%
western redcedar	21"	100**	74	19	7	1.4%	2%
TOTALS	--	4,238	1,927	1,934	377	--	--

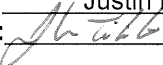
* This sale includes approximately 99 MBF of 12"+ 3-saw western hemlock, 15 MBF of 12"+ 3-saw Douglas-fir, and 124 MBF of 12"+ 3-saw Sitka spruce. **If available, 20 redcedar will be reserved by Purchaser in Unit 2. The volume in the table has been reduced by 4 MBF of the cruised redcedar volume to account for this contract requirement (20 x 206 BF/redcedar $\approx$ 4 MBF).

Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
red alder	12"	763	98	123	107	435	0.5%	15%
bigleaf maple	16"	8	-	4	-	4	0%	<1%
TOTALS	--	771	98	127	107	439	--	--

TOTAL VOLUME	5,009 MBF
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9. Approvals:

Prepared by: Justin Bush
Unit Forester Approval: 

Date: 10/29/2025
Date: 10/30/25

10. **Attachments:** Cruise Design and Map (10 pages)
Volume Report (4 pages)
Statistics Report (8 pages)
Log Stock Table (4 pages)
Stand Table Summary (2 pages)

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Sweet Fry

Unit U12N3EW

Harvest Type: Clear Cut

Approx. Cruise Acres: 71 **Estimated CV%** 50 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 2,375 MBF **Estimated Sale Area Value/Acre:** \$13,625/Acre

A. Cruise Goals: (a) Grade minimum 100 conifer trees.

(b) Sample 60 plots (21 grade / 39 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 (con) / 33.61 (hardwood)

Cruise Line Direction: 310°/130°

Cruise Line Spacing 5 (chains) 330 (feet)

Cruise Plot Spacing 2.5 (chains) 165 (feet)

Grade/Count Ratio 1:2

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

Take plots as marked on cruise map, may offset within 1 chain if needed.

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)

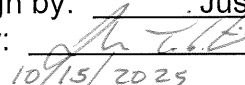
7. **Deductions**: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally 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: Justin Bush

Approved by: 

Date: 10/15/2025

CRUISE MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01188-01
SWEET FRY
PORTIONS OF SECTIONS 29,
30, & 31 OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

U12N3EW Cruise

Approximate Net Acres = 71

AZ = 310°/130° (Lines 1-3 at 360°)

Line Spacing = 5 ch. (330 feet)

Plot Spacing = 2.5 ch. (165 feet)

BAF: 40 (con)

33.61 (hardwood)

Grade Plots = 21

Count Plots = 39

Total Plots = 60



0 250 500 1,000
Feet

1 inch = 500 feet Contour = 20 feet

Legend

..... Timber Sale Boundary

▭ Cruise Boundary

▭ Section Line

▭ Ownership Boundary

— Surfaced Road

— Type F Stream

— Type N Stream - Perennial

--- Type N Stream - Seasonal

▨ Posted Stream Buffer

▨ Non-Posted Stream Buffer

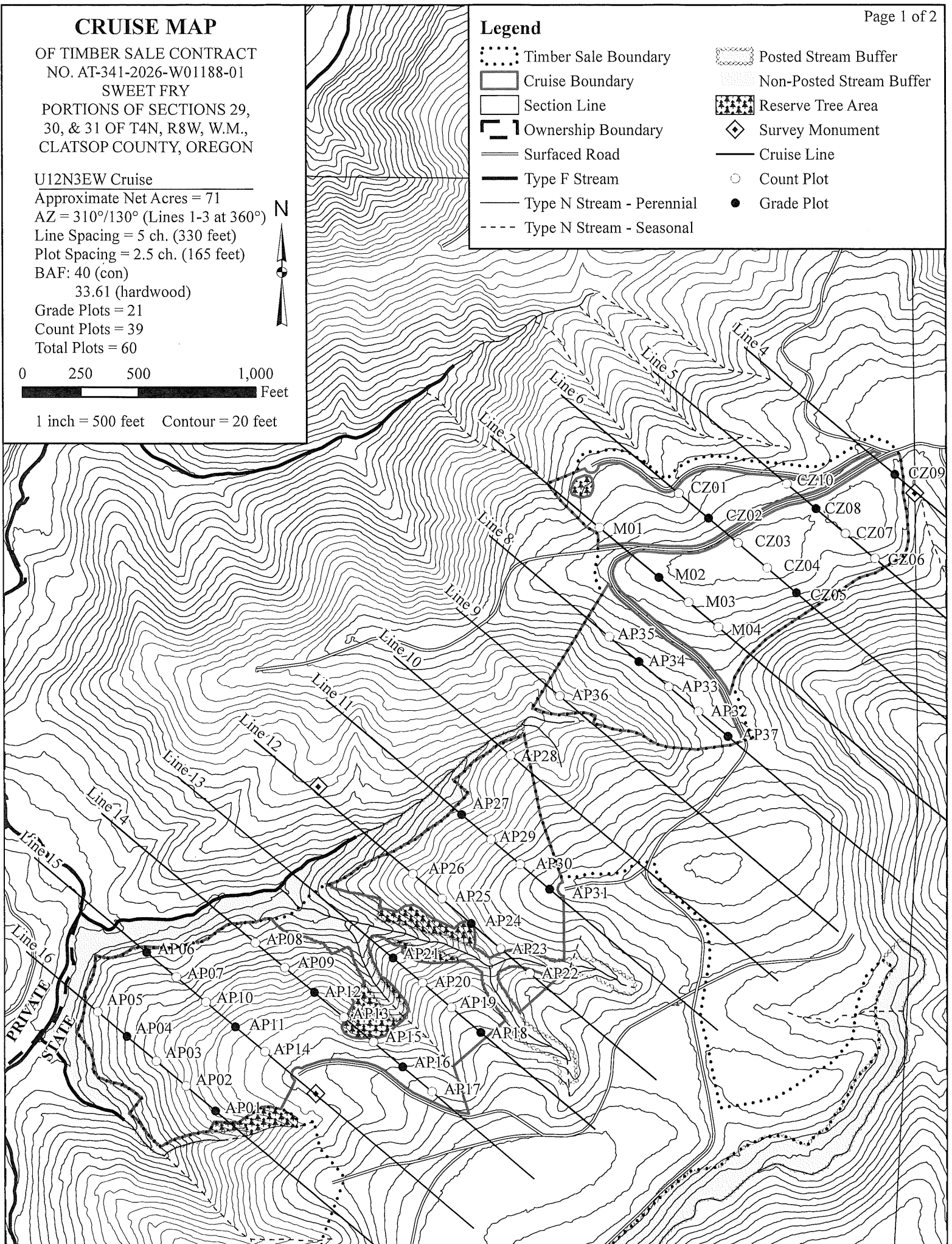
▨ Reserve Tree Area

◆ Survey Monument

— Cruise Line

○ Count Plot

● Grade Plot



CRUISE MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01188-01
SWEET FRY
PORTIONS OF SECTIONS 29,
30, & 31 OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

U12N3EW Cruise

Approximate Net Acres = 71
AZ = 310°/130° (Lines 1-3 at 360°)
Line Spacing = 5 ch. (330 feet)
Plot Spacing = 2.5 ch. (165 feet)
BAF: 40 (con)
33.61 (hardwood)
Grade Plots = 21
Count Plots = 39
Total Plots = 60



0 250 500 1,000
Feet

1 inch = 500 feet Contour = 20 feet

Legend

- | | |
|---------------------------|--------------------------|
| Timber Sale Boundary | Posted Stream Buffer |
| Cruise Boundary | Non-Posted Stream Buffer |
| Section Line | Reserve Tree Area |
| Ownership Boundary | Survey Monument |
| Surfaced Road | Cruise Line |
| Type F Stream | Count Plot |
| Type N Stream - Perennial | Grade Plot |
| Type N Stream - Seasonal | |



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Sweet Fry

Unit U2S

Harvest Type: Clear Cut

Approx. Cruise Acres: 64 **Estimated CV%** 38 Net BF/Acre **SE% Objective** 11% Net BF/Acre

Planned Sale Volume: 1,575 MBF **Estimated Sale Area Value/Acre:** \$8,750/Acre

A. Cruise Goals: (a) Grade minimum 100 conifer trees.

(b) Sample 54 plots (22 grade / 32 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: 26°/206°

Cruise Line Spacing 5 (chains) 330 (feet)

Cruise Plot Spacing 2.5 (chains) 165 (feet)

Grade/Count Ratio 1:2

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

Take plots as marked on cruise map. Plots may be moved up to a chain as needed, mark location.

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)

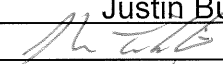
7. **Deductions**: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally 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: Justin Bush

Approved by: 

Date: 7/30/2025 10/15/25

CRUISE MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01188-01
SWEET FRY
PORTIONS OF SECTIONS 29,
30, & 31 OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

U2S Cruise

Approximate Net Acres = 64

AZ = 147°/327°

Line Spacing = 5 ch. (330 feet)

Plot Spacing = 2.5 ch. (165 feet)

BAF = 33.61

Grade Plots = 22

Count Plots = 32

Total Plots = 54

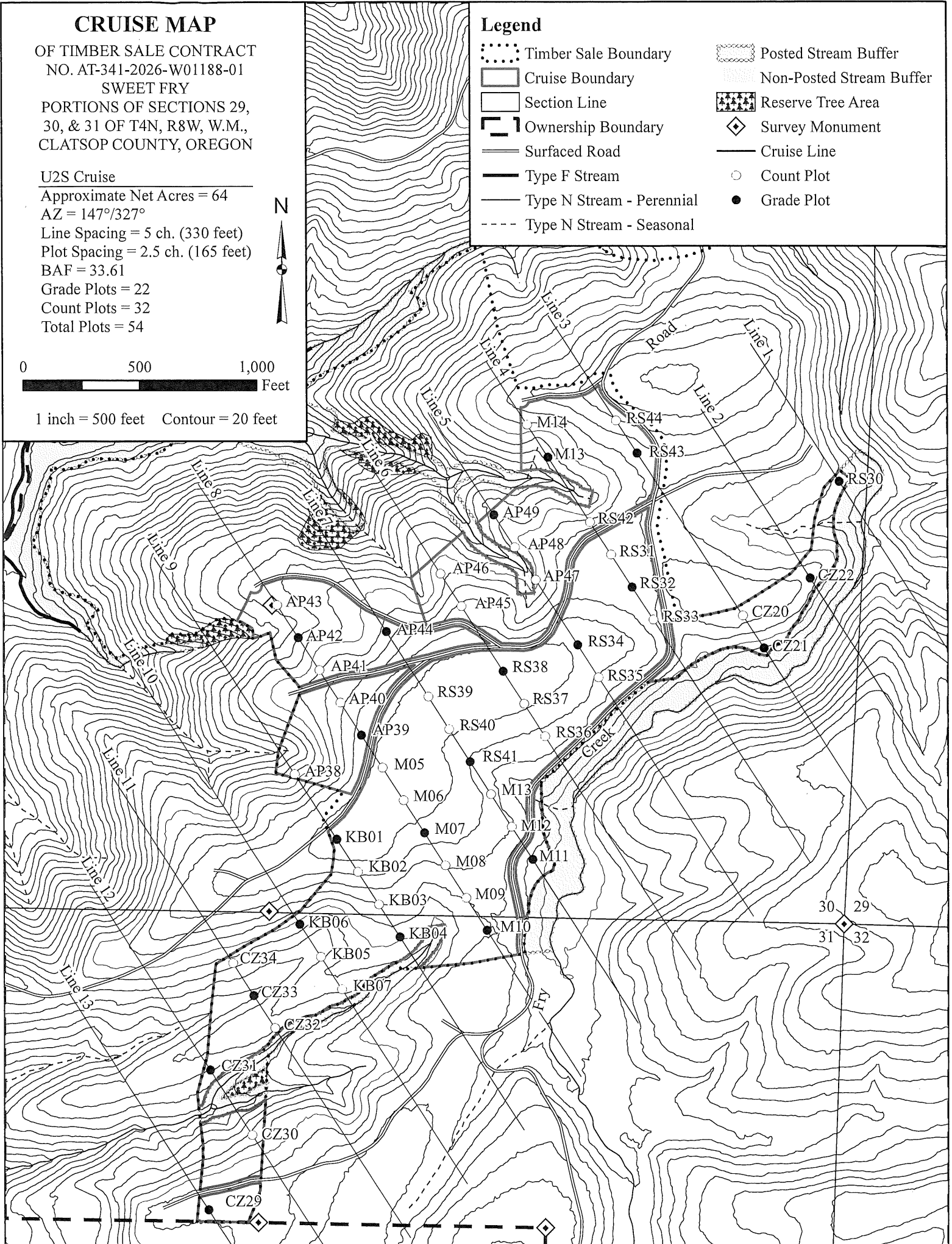


0 500 1,000
Feet

1 inch = 500 feet Contour = 20 feet

Legend

- | | |
|---------------------------|--------------------------|
| Timber Sale Boundary | Posted Stream Buffer |
| Cruise Boundary | Non-Posted Stream Buffer |
| Section Line | Reserve Tree Area |
| Ownership Boundary | Survey Monument |
| Surfaced Road | Cruise Line |
| Type F Stream | Count Plot |
| Type N Stream - Perennial | Grade Plot |
| Type N Stream - Seasonal | |



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Sweet Fry

Unit U3

Harvest Type: Clear Cut

Approx. Cruise Acres: 61 **Estimated CV%** 30 Net BF/Acre **SE% Objective** 11% Net BF/Acre

Planned Sale Volume: 1,700 MBF **Estimated Sale Area Value/Acre:** \$8,400/Acre

A. Cruise Goals: (a) Grade minimum 50 conifer trees.

(b) Sample 25 plots (9 grade / 16 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: 33°/213°

Cruise Line Spacing 7 (chains) 462 (feet)

Cruise Plot Spacing 4 (chains) 264 (feet)

Grade/Count Ratio 1:3

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

Take plots as marked on cruise map. Plots may be moved up to a chain as needed, mark location.

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: Justin Bush

Approved by: [Signature]

Date: 10/13/2025 [Signature]

CRUISE MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01188-01
SWEET FRY
PORTIONS OF SECTIONS 29,
30, & 31 OF T4N, R8W, W.M.,
CLATSOP COUNTY, OREGON

U3 Cruise

Approximate Net Acres = 61

AZ = 33°/213°

Line Spacing = 7 ch. (462 feet)

Plot Spacing = 4 ch. (264 feet)

BAF = 40

Grade Plots = 9

Count Plots = 16

Total Plots = 25

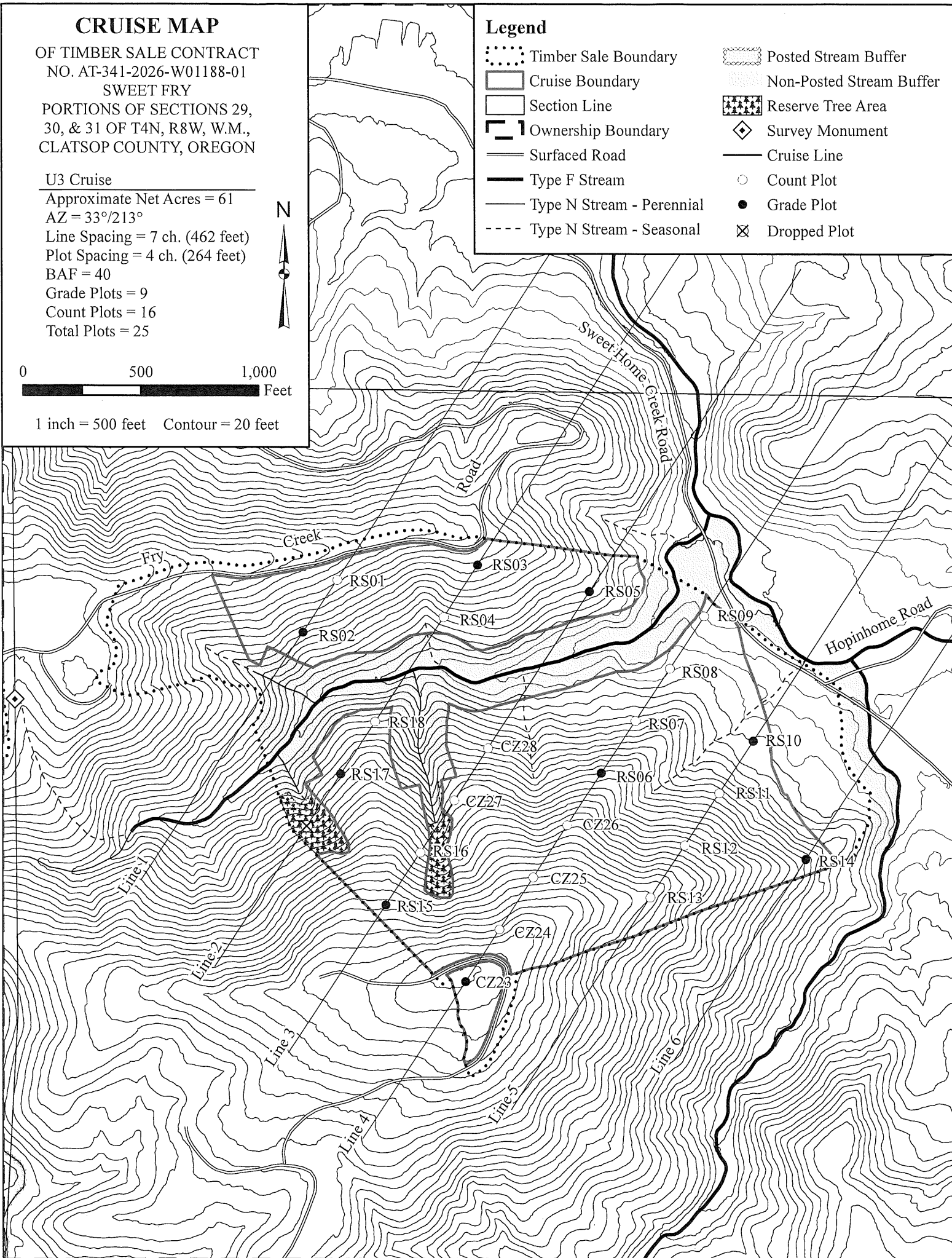


0 500 1,000
Feet

1 inch = 500 feet Contour = 20 feet

Legend

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



TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
T04N R08W S30 Ty00CC71.00 T04N R08W S30 Ty00CC64.00 T04N R08W S30 Ty00CC61.00				Project: SWEETFRY Acres196.00												Page1 Date10/29/2025 Time2:07:28PM						
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
					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						
H			DOCU														8	15		0.00	1.7	
H			DO2S	56	.6	6,918	6,876	1,348			54	46	0	1	3	96	39	15	347	2.14	19.8	
H			DO3S	38	.6	4,769	4,742	929		89	4	7	1	5	13	81	37	8	94	0.76	50.7	
H			DO4S	6		653	653	128		100			66	34			19	6	25	0.44	26.4	
H Totals				48	.6	12,341	12,270	2,405		40	32	28	4	4	7	85	32	9	124	1.05	98.6	
A			DO1S	12	1.6	508	499	98			83	17		18		82	37	13	245	1.86	2.0	
A			DO2S	16	1.7	637	626	123		100			7	22	10	62	32	10	124	1.05	5.1	
A			DO3S	14		548	548	107		100			1		45	54	36	8	86	0.74	6.4	
A			DO4S	58		2,221	2,221	435		2	98		13	15	16	56	30	6	46	0.49	48.4	
A Totals				15	.5	3,914	3,895	763		1	86	11	2	9	14	17	60	31	7	63	0.62	61.9
S			DO2S	40		793	793	155			31	69				100	40	17	472	2.85	1.7	
S			DO3S	46		912	912	179		31	2	67	2		31	67	34	9	175	1.45	5.2	
S			DO4S	14	18.7	323	262	51		100			43	4	53		21	7	28	0.63	9.4	
S Totals				8	3.0	2,028	1,967	385 386		28	13	59	7	1	22	71	27	9	121	1.29	16.2	
C			DOCU														15	8		0.00	.6	
C			DO2S	74		399	399	74 78			10	90			5	95	39	17	484	3.64	.8	
C			DO3S	18	7.0	106	99	19		30	67	3	3		17	81	37	9	109	1.33	.9	
C			DO4S	8		38	38	7		100			61	39			20	6	26	0.60	1.4	
C Totals				2	1.4	543	535	100 105		13	20	68	5	3	7	85	27	10	141	1.72	3.8	
D			DOCU														10	13		0.00	8.1	
D			DO2S	25	1.3	1,809	1,785	350		7	39	54		2	6	91	39	15	360	2.16	5.0	
D			DO3S	60	1.5	4,183	4,119	807		98	2		0	8	17	75	37	8	95	0.82	43.5	
D			DO4S	15	2.1	996	975	191		100			59	32	8		20	6	24	0.43	40.9	
D Totals				27	1.6	6,987	6,879	1,348		75	11	14	9	10	13	69	28	8	71	0.77	97.5	
M			DO2S	46		20	20	4		100					100		32	10	120	1.00	.2	
M			DO4S	54		23	23	4		100			22			78	30	7	49	0.70	.5	
M Totals				0		42	42	8		100			12		47	42	30	8	68	0.78	.6	
Totals					1.0	25,855	25,589	5,009 5,015		0	55	21	24	6	7	11	76	30	8	92	0.88	278.7

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page		1		
				Project: SWEETFRY												Date		10/29/2025		
																Time		8:47:23AM		
T04N R08W S30 T00CC												T04N R08W S30 T00CC								
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt											
04N	08W	30	U12N3EW_TAKE	00CC	71.00	60	152	1	W											
S So Gr T rt ad Spp			%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
								Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/	
			Net	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	
H	DO	CU														5	20		0.00	.7
H	DO	2S	41	.9	7,999	7,927	563			72	28			1	99	40	14	294	1.88	26.9
H	DO	3S	51	.5	9,821	9,776	694		93	2	5	1	5	12	82	38	8	89	0.69	109.6
H	DO	4S	8		1,386	1,386	98		100			70	30			19	6	23	0.41	59.4
H	Totals		55	.6	19,207	19,090	1,355		55	31	14	5	5	7	83	32	8	97	0.84	196.6
A	DO	1S	13	1.6	1,401	1,379	98			83	17			18	82	37	13	245	1.86	5.6
A	DO	2S	16	1.9	1,564	1,533	109		100			7	19	11	63	32	10	123	1.04	12.4
A	DO	3S	15		1,514	1,514	107		100			1		45	54	36	8	86	0.74	17.6
A	DO	4S	56		5,479	5,479	389	3	97			13	16	14	56	30	6	45	0.46	120.6
A	Totals		29	.5	9,958	9,905	703	2	85	12	2	9	15	16	60	31	7	63	0.61	156.3
S	DO	2S	27		808	808	57			14	86				100	40	17	496	3.03	1.6
S	DO	3S	66		1,931	1,931	137		26	3	71	3		35	62	33	8	171	1.36	11.3
S	DO	4S	7		188	188	13		100			100				12	7	21	0.50	9.2
S	Totals		8		2,927	2,927	208		24	6	71	8		23	69	25	9	133	1.38	22.1
C	DO	2S	73		1,001	1,001	71			6	94			6	94	39	17	487	3.56	2.1
C	DO	3S	19	7.5	273	253	18		27	73				18	82	37	9	109	1.26	2.3
C	DO	4S	8		100	100	7		100			59	41			21	6	26	0.60	3.8
C	Totals		4	1.5	1,374	1,354	96		13	18	70	4	3	8	85	30	10	165	1.80	8.2
D	DO	2S	45	1.4	518	511	36				100			25	75	37	18	488	2.72	1.0
D	DO	3S	39	.8	437	434	31		84	16					100	40	9	124	0.96	3.5
D	DO	4S	16		170	170	12		100			7	93			26	6	35	0.42	4.8
D	Totals		3	1.0	1,126	1,115	79		48	6	46	1	14	11	73	33	9	119	0.96	9.4
M	DO	2S	46		55	55	4		100					100		32	10	120	1.00	.5
M	DO	4S	54		62	62	4		100			22		78		30	7	49	0.70	1.3
M	Totals		0		117	117	8		100			12		47	42	30	8	68	0.78	1.7
Type Totals				.6	34,708	34,507	2,450	0	59	22	19	6	7	11	75	31	8	88	0.79	394.2

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1									
Project: SWEETFRY										Date	10/29/2025										
										Time	12:49:01PM										
T04N R08W S30 T00CC										T04N R08W S30 T00CC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
04N	08W	30	U2S_TAKE	00CC	64.00	54	112	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					
H DO CU																					
H DO 2S			75	.4	12,313	12,262	785			41	59	0	1	4	94	39	16	398	2.41	30.8	
H DO 3S			22	1.0	3,613	3,579	229		79	9	12	2	6	14	78	36	9	112	1.05	32.0	
H DO 4S			3		359	359	23		100			64	36			19	7	29	0.57	12.4	
H Totals			63	.5	16,286	16,200	1,037		20	33	47	2	3	6	89	34	11	215	1.63	75.5	
D DO CU																					
D DO 2S			59	1.5	4,217	4,152	266			42	58			3	5	92	39	16	428	2.49	9.7
D DO 3S			35	1.4	2,470	2,435	156		94	6		2	4	10	84	37	8	93	0.78	26.1	
D DO 4S			6	5.4	440	416	27		100			52	25	23		19	6	24	0.43	17.2	
D Totals			27	1.7	7,127	7,003	448		38	27	34	4	5	8	84	31	9	128	1.09	54.5	
S DO 2S			69		1,531	1,531	98			41	59				100	40	17	458	2.75	3.3	
S DO 3S			29		652	652	42		46		54				19	81	37	11	191	1.73	3.4
S DO 4S			2	25.0	43	33	2		100					100		24	7	30	0.67	1.1	
S Totals			9	.5	2,227	2,216	142		15	28	57		1	6	93	36	13	282	2.11	7.8	
A DO 2S			70		217	217	14		100				45		55	33	11	129	1.15	1.7	
A DO 4S			30		90	90	6		100			100				14	7	20	0.45	4.5	
A Totals			1		307	307	20		100			29	32		39	19	8	50	0.78	6.2	
C DO CU																					
C DO 2S			80		111	111	7			50	50				100	15	8	453	4.37	2.0	
C DO 3S			16		21	21	1		64		36	36		64		36	10	113	2.31	.2	
C DO 4S			4		5	5	0		100			100				12	9	30	0.83	.2	
C Totals			1		137	137	9		14	40	46	9			91	18	9	53	1.26	2.6	
Type Totals				.8	26,084	25,863	1,655		25	31	44	3	4	6	87	32	10	176	1.44	146.6	

Species, Sort Grade - Board Foot Volumes (Type)										Page 1									
Project: SWEETFRY										Date	10/29/2025								
										Time	8:48:15AM								
T04N R08W S30 T00CC										T04N R08W S30 T00CC									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
04N	08W	30	U3_TAKE	00CC	61.00	24	47	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				
							4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	
D	DO	CU								9	12			0.00		24.5			
D	DO	2S	5		785	785	48	48	52					100	40	11	172	1.31	4.6
D	DO	3S	76	1.6	10,339	10,175	621	100				9	19	72	36	8	94	0.82	108.3
D	DO	4S	19	1.6	2,539	2,497	152	100		65	29	7			20	6	23	0.43	107.7
D Totals		90	1.5	13,663	13,457	821	97	3		12	12	16	60		27	8	55	0.68	245.1
S	DO	4S	100	23.7	773	590	36	100		24			76		26	7	32	0.66	18.3
S Totals		4	23.7	773	590	36	100			24			76		26	7	32	0.66	18.3
A	DO	4S	100		664	664	41	100					38	62	37	7	63	0.72	10.6
A Totals		4		664	664	41	100						38	62	37	7	63	0.72	10.6
H	DO	CU													6	15		0.00	4.4
H	DO	3S	48		102	102	6	100					100		34	7	60	0.94	1.7
H	DO	4S	52		109	109	7	100		100					26	7	40	0.65	2.7
H Totals		1		210	210	13	100			52	48				18	11	24	0.65	8.8
Type Totals				2.5	15,310	14,922	910	97	3	12	12	20	57		27	8	53	0.68	282.8

TC PSTATS					PROJECT STATISTICS			PAGE	1			
					PROJECT	SWEETFRY	DATE	10/29/2025				
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
04N	08	30	U12N3EW TAKE	00CC	196.00	138	852	1	W			
04N	08W	30	U2S TAKE	00CC								
04N	08W	30	U3 TAKE	00CC								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			138	852	6.2							
CRUISE			53	311	5.9	35,100	.9					
DBH COUNT												
REFOREST												
COUNT			84	534	6.4							
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	55.4	16.9	60	20.9	85.8	12,341	12,270	3,325	3,325
DOUG FIR			78	59.5	15.0	47	18.9	73.3	6,987	6,879	2,071	2,071
R ALDER			60	47.1	12.4	43	11.2	39.3	3,914	3,895	1,184	1,184
S SPRUCE			19	14.1	15.4	33	4.7	18.3	2,028	1,967	571	571
WR CEDAR			12	2.6	20.8	40	1.3	6.0	543	535	178	178
BL MAPLE			3	.5	15.6	44	0.2	.6	42	42	15	15
TOTAL			311	179.1	15.1	49	57.4	223.4	25,855	25,589	7,344	7,344
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			89.9	7.6	395	428	461					
DOUG FIR			171.2	19.4	247	307	366					
R ALDER			97.4	12.6	104	119	134					
S SPRUCE			127.3	30.0	523	747	972					
WR CEDAR			109.0	32.8	304	453	601					
BL MAPLE			57.7	39.9	54	90	126					
TOTAL			132.8	7.5	329	355	382	704	176	78		
CL	68.1		COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK			75.8	6.4	103	110	117					
DOUG FIR			137.5	15.6	65	77	89					
R ALDER			86.1	11.1	32	36	40					
S SPRUCE			118.6	28.0	135	187	239					
WR CEDAR			88.4	26.6	117	160	202					
BL MAPLE			23.6	16.3	27	32	37					
TOTAL			113.4	6.4	87	93	99	513	128	57		
CL	68.1		COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
WHEMLOCK			138.9	11.8	49	55	62					
DOUG FIR			185.6	15.8	50	60	69					
R ALDER			218.6	18.6	38	47	56					
S SPRUCE			286.5	24.4	11	14	18					
WR CEDAR			515.9	43.9	1	3	4					
BL MAPLE			1174.7	99.9	0	0	1					
TOTAL			75.0	6.4	168	179	191	225	56	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			109.5	9.3	78	86	94					
DOUG FIR			166.9	14.2	63	73	84					
R ALDER			192.3	16.4	33	39	46					

TC PSTATS				PROJECT STATISTICS				PAGE	2
				PROJECT	SWEETFRY				
								DATE	10/29/2025
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	08	30	U12N3EW TAKE	00CC	196.00	138	852	1	W
04N	08W	30	U2S TAKE	00CC					
04N	08W	30	U3 TAKE	00CC					
CL	68.1	COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
S SPRUCE		218.1	18.6	15	18	22			
WR CEDAR		488.3	41.5	4	6	9			
BL MAPLE		1174.7	99.9	0	1	1			
TOTAL		50.5	4.3	214	223	233	102	25	11
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		109.5	9.3	11,127	12,270	13,413			
DOUG FIR		145.3	12.4	6,029	6,879	7,729			
R ALDER		202.2	17.2	3,225	3,895	4,564			
S SPRUCE		195.1	16.6	1,641	1,967	2,294			
WR CEDAR		528.3	44.9	295	535	776			
BL MAPLE		1174.7	99.9	0	42	85			
TOTAL		41.1	3.5	24,694	25,589	26,484	68	17	8

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	SWEETFRY			DATE	10/29/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
04N	08W	30	U12N3EW	00CC	71.00	60	449	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		60	449	7.5						
CRUISE		21	153	7.3	18,851			.8		
DBH COUNT										
REFOREST										
COUNT		39	296	7.6						
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
WHEMLOCK		71	115.5	14.8	57	36.0	138.7	19,207	19,090	5,306
R ALDER		54	116.7	12.1	44	26.9	93.5	9,958	9,905	2,947
S SPRUCE		11	19.7	14.7	29	6.1	23.3	2,927	2,927	759
WR CEDAR		6	5.1	21.9	50	2.9	13.3	1,374	1,354	437
DOUG FIR		7	6.9	15.2	48	2.2	8.7	1,126	1,115	294
SNAG		1	.4	31.0	32	0.4	2.0			
BL MAPLE		3	1.3	15.6	44	0.4	1.7	117	117	41
TOTAL		153	265.5	13.9	49	75.3	281.2	34,708	34,507	9,783
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		93.4	11.1	257	289	321				
R ALDER		98.2	13.3	107	123	139				
S SPRUCE		116.8	36.9	633	1,003	1,373				
WR CEDAR		68.3	30.4	333	478	624				
DOUG FIR		101.5	41.3	206	351	497				
SNAG										
BL MAPLE		57.7	39.9	54	90	126				
TOTAL		151.1	12.2	251	286	321	912	228	101	
CL: 68.1 %	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
WHEMLOCK		82.8	9.8	70	78	86				
R ALDER		87.9	12.0	32	37	41				
S SPRUCE		112.7	35.6	157	243	330				
WR CEDAR		58.7	26.1	109	147	186				
DOUG FIR		89.5	36.4	56	87	119				
SNAG										
BL MAPLE		23.6	16.3	27	32	37				
TOTAL		133.4	10.8	69	77	85	711	178	79	
CL: 68.1 %	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
WHEMLOCK		103.1	13.3	100	115	131				
R ALDER		140.6	18.1	96	117	138				
S SPRUCE		214.4	27.7	14	20	25				
WR CEDAR		376.5	48.6	3	5	8				
DOUG FIR		274.4	35.4	4	7	9				
SNAG		573.4	74.0	0	0	1				
BL MAPLE		774.6	99.9	0	1	3				
TOTAL		53.2	6.9	247	266	284	113	28	13	
CL: 68.1 %	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		

TC TSTATS				STATISTICS				PAGE	2
				PROJECT SWEETFRY				DATE	10/29/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	08W	30	U12N3EW	00CC	71.00	60	449	1	W
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		100.8	13.0	121	139	157			
R ALDER		119.1	15.4	79	94	108			
S SPRUCE		173.7	22.4	18	23	29			
WR CEDAR		373.3	48.1	7	13	20			
DOUG FIR		269.9	34.8	6	9	12			
SNAG		573.4	74.0	1	2	3			
BL MAPLE		774.6	99.9	0	2	3			
TOTAL		40.2	5.2	267	281	296	65	16	7
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		103.2	13.3	16,549	19,090	21,630			
R ALDER		123.8	16.0	8,323	9,905	11,487			
S SPRUCE		170.2	22.0	2,284	2,927	3,569			
WR CEDAR		372.1	48.0	704	1,354	2,003			
DOUG FIR		319.8	41.2	655	1,115	1,575			
SNAG									
BL MAPLE		774.6	99.9	0	117	234			
TOTAL		43.3	5.6	32,581	34,507	36,434	75	19	8

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	SWEETFRY	DATE 10/29/2025				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
04N	08W	30	U2S	00CC	64.00	54	289	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
PLOTS		TREES								
TOTAL		54	289	5.4						
CRUISE		22	118	5.4		5,064	2.3			
DBH COUNT										
REFOREST										
COUNT		32	171	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
WHEMLOCK		66	37.3	22.5	72	21.7	102.7	16,286	16,200	4,200
DOUG FIR		32	29.4	17.6	60	11.9	49.8	7,127	7,003	1,830
S SPRUCE		5	3.9	25.9	76	2.8	14.3	2,227	2,216	603
SNAG		6	1.8	23.7	42	1.2	5.6			
R ALDER		3	4.5	12.3	28	1.1	3.7	307	307	91
WR CEDAR		6	2.2	17.7	17	0.9	3.7	137	137	60
TOTAL		118	79.1	20.4	63	39.8	179.9	26,084	25,863	6,784
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		72.8	9.0	536	589	642				
DOUG FIR		136.1	24.0	413	544	674				
S SPRUCE		40.3	20.0	491	614	737				
SNAG										
R ALDER		72.8	50.4	53	107	160				
WR CEDAR		153.1	68.2	136	427	718				
TOTAL		102.0	9.4	478	527	577	416	104	46	
CL: 68.1 %	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
WHEMLOCK		59.1	7.3	136	146	157				
DOUG FIR		115.3	20.4	101	126	152				
S SPRUCE		29.5	14.7	140	164	188				
SNAG										
R ALDER		75.5	52.3	15	32	49				
WR CEDAR		110.2	49.1	88	172	257				
TOTAL		85.3	7.8	122	133	143	291	73	32	
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
WHEMLOCK		78.6	10.7	33	37	41				
DOUG FIR		120.7	16.4	25	29	34				
S SPRUCE		216.0	29.4	3	4	5				
SNAG		364.9	49.6	1	2	3				
R ALDER		373.3	50.8	2	4	7				
WR CEDAR		693.4	94.3	0	2	4				
TOTAL		56.6	7.7	73	79	85	128	32	14	
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		71.2	9.7	93	103	113				
DOUG FIR		101.3	13.8	43	50	57				
S SPRUCE		212.0	28.8	10	14	18				
SNAG		363.9	49.5	3	6	8				

TC TSTATS				STATISTICS			PAGE	2	
				PROJECT	SWEETFRY		DATE	10/29/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	08W	30	U2S	00CC	64.00	54	289	1	W
CL:	68.1 %	COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
R ALDER		377.7	51.4	2	4	6			
WR CEDAR		543.6	73.9	1	4	6			
TOTAL		39.8	5.4	170	180	190	63	16	7
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		68.6	9.3	14,689	16,200	17,711			
DOUG FIR		112.6	15.3	5,931	7,003	8,075			
S SPRUCE		213.2	29.0	1,574	2,216	2,858			
SNAG									
R ALDER		403.1	54.8	139	307	475			
WR CEDAR		515.0	70.0	41	137	233			
TOTAL		37.1	5.0	24,557	25,863	27,168	55	14	6

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT SWEETFRY				DATE	10/29/2025		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
04N	08W	30	U3	00CC	61.00	24	128	1	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
TOTAL			24	128	5.3						
CRUISE			10	48	4.8	11,495		.4			
DBH COUNT											
REFOREST											
COUNT			13	72	5.5						
BLANKS			1								
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			39	152.4	14.4	45	45.6	173.3	13,663	13,457	4,392
S SPRUCE			3	18.3	12.9	27	4.6	16.7	773	590	319
R ALDER			3	10.6	15.2	39	3.4	13.3	664	664	281
WHEMLOCK			2	4.4	16.7	37	1.6	6.7	210	210	100
SNAG			1	2.7	15.0	30	0.9	3.3			
TOTAL			48	188.5	14.4	43	56.2	213.3	15,310	14,922	5,092
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			52.4	8.4	96	105	113				
S SPRUCE			34.6	24.0	25	33	41				
R ALDER			9.1	6.3	59	63	67				
WHEMLOCK			28.3	26.5	37	50	63				
SNAG											
TOTAL			59.8	8.6	85	93	101	143	36	16	
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			48.0	7.7	31	34	37				
S SPRUCE			33.8	23.4	14	18	22				
R ALDER			24.9	17.2	23	27	32				
WHEMLOCK			43.3	40.5	15	25	34				
SNAG											
TOTAL			51.4	7.4	29	31	34	106	26	12	
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			40.5	8.4	140	152	165				
S SPRUCE			232.4	48.4	9	18	27				
R ALDER			278.5	58.0	4	11	17				
WHEMLOCK			291.8	60.8	2	4	7				
SNAG			338.8	70.6	1	3	5				
TOTAL			28.9	6.0	177	188	200	35	9	4	
CL: 68.1 %	COEFF		BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH			5	10	15	
DOUG FIR			35.1	7.3	161	173	186				
S SPRUCE			233.8	48.7	9	17	25				
R ALDER			275.0	57.3	6	13	21				
WHEMLOCK			288.9	60.2	3	7	11				
SNAG			338.8	70.6	1	3	6				
TOTAL			23.9	5.0	203	213	224	24	6	3	

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	SWEETFRY			DATE	10/29/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
04N	08W	30	U3	00CC	61.00	24	128	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	34.4	7.2		12,492	13,457	14,421			
S SPRUCE	237.7	49.5		298	590	883			
R ALDER	276.8	57.7		281	664	1,047			
WHEMLOCK	289.0	60.2		84	210	337			
SNAG									
TOTAL	26.3	5.5		14,104	14,922	15,739	29	7	3

TC PLOGSTVB			Log Stock Table - MBF																
T04N R08W S30 Ty00CC			71.00		Project: SWEETFRY										Page 1				
T04N R08W S30 Ty00CC			64.00		Acres 135.00 196										Date 10/29/2025				
T04N R08W S30 Ty00CC			61.00												Time 12:48:22PM				
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+
H	DO	2S	12	1		1	.0						1						
H	DO	2S	24	12		12	.5					12							
H	DO	2S	32	24		24	1.0						18	5					
H	DO	2S	34	17		17	.7					5	12						
H	DO	2S	36	11		11	.4					6	5						
H	DO	2S	40	1,293		1,284	53.4					357	210	414	256	31	17		
H	DO	3S	14	1		1	.0					1							
H	DO	3S	16	3		3	.1					3							
H	DO	3S	20	5		5	.2				3	2							
H	DO	3S	24	2		2	.1				2								
H	DO	3S	26	2		2	.1				2								
H	DO	3S	28	7		7	.3				7								
H	DO	3S	30	35		35	1.5			15	2	19							
H	DO	3S	32	96		96	4.0			49	19	12	6	5	5				
H	DO	3S	34	27		27	1.1			23		3							
H	DO	3S	36	61		61	2.5			35	13	14							
H	DO	3S	38	5		5	.2				5								
H	DO	3S	40	690		685	28.5			215	184	203	13		25	45			
H	DO	4S	12	12		12	.5			8	2	2							
H	DO	4S	14	10		10	.4			10									
H	DO	4S	16	28		28	1.2			21	7								
H	DO	4S	18	6		6	.2			6									
H	DO	4S	20	28		28	1.2			27	1								
H	DO	4S	24	19		19	.8			19									
H	DO	4S	26	17		17	.7			17									
H	DO	4S	28	2		2	.1			2									
H	DO	4S	30	5		5	.2			5									
H	Totals			2,419		2,405	48.0			453	247	259	398	250	449	301	31	17	
A	DO	1S	24	7	16.7	6	.7					6							
A	DO	1S	30	13	3.7	12	1.6						12						
A	DO	1S	40	80		80	10.5					51	12		17				
A	DO	2S	16	8		8	1.0					8							
A	DO	2S	26	6		6	.8					6							
A	DO	2S	28	12	10.0	10	1.4					10							
A	DO	2S	30	11	9.1	10	1.3					10							
A	DO	2S	32	12		12	1.6					12							

TC PLOGSTVB			Log Stock Table - MBF																
T04N R08W S30 Ty00CC			71.00		Project: SWEETFRY										Page 2				
T04N R08W S30 Ty00CC			64.00		Acres 135.00 196										Date 10/29/2025				
T04N R08W S30 Ty00CC			61.00												Time 12:48:22PM				
S T Spp	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+	
A	DO 2S	36	12		12	1.6					12								
A	DO 2S	40	63		63	8.3					63								
A	DO 3S	18	1		1	.2				1									
A	DO 3S	32	22		22	2.9				22									
A	DO 3S	34	26		26	3.5				26									
A	DO 3S	40	58		58	7.6				58									
A	DO 4S	12	5		5	.6			5										
A	DO 4S	14	2		2	.3			2										
A	DO 4S	16	38		38	5.0			38										
A	DO 4S	18	2		2	.3			2										
A	DO 4S	20	10		10	1.3			10										
A	DO 4S	24	2		2	.3			2										
A	DO 4S	26	11		11	1.4			11										
A	DO 4S	28	17		17	2.2		11	6										
A	DO 4S	30	35		35	4.5			35										
A	DO 4S	32	41		41	5.4			41										
A	DO 4S	34	29		29	3.8			29										
A	DO 4S	36	36		36	4.8			36										
A	DO 4S	38	53		53	6.9			53										
A	DO 4S	40	155		155	20.3			155										
A	Totals		767		763	15.2		11	425	107	123	57	24		17				
S	DO 2S	40	155		155	40.3					25		77		53				
S	DO 3S	16	4		4	1.0							4						
S	DO 3S	32	27		27	7.1			23	4									
S	DO 3S	34	28		28	7.4			10	4					15				
S	DO 3S	36	11		11	2.8									11				
S	DO 3S	40	108		108	28.1			3	6	6		27				67		
S	DO 4S	12	12		12	3.2			7	6									
S	DO 4S	16	13	33.3	9	2.2				9									
S	DO 4S	18	1		1	.3			1										
S	DO 4S	24	3	25.0	2	.5			2										
S	DO 4S	32	16	20.0	13	3.3			13										
S	DO 4S	34	18	20.0	15	3.8			15										
S	Totals		397	3.0	386	7.7			73	27	6	25	4	104	64	15	67		
C	DO 2S	32	4		4	4.1					4								

TC PLOGSTVB			Log Stock Table - MBF																
T04N R08W S30 Ty00CC 71.00 T04N R08W S30 Ty00CC 64.00 T04N R08W S30 Ty00CC 61.00			Project: SWEETFRY Acres 135.00 196										Page 3 Date 10/29/2025 Time 12:48:22PM						
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+	
C	DO	2S 38	1		1	.9								1					
C	DO	2S 40	73		73	69.5					3			47	20	4			
C	DO	3S 18	0		0	.5								0					
C	DO	3S 32	3		3	3.1			3										
C	DO	3S 40	17	8.5	16	14.9			2	1		13							
C	DO	4S 12	0		0	.3				0									
C	DO	4S 16	1		1	.8			1										
C	DO	4S 20	3		3	3.3			3										
C	DO	4S 24	3		3	2.8			3										
C	Totals		106	1.4	105	2.1			12	1		20		48	20	4			
D	DO	2S 28	2		2	.1						2							
D	DO	2S 30	6		6	.5						6							
D	DO	2S 32	20	4.4	19	1.4								5	14				
D	DO	2S 34	2		2	.2								2					
D	DO	2S 40	324	1.2	320	23.7					23	56		60	65	43	58	15	
D	DO	3S 18	1		1	.1						1							
D	DO	3S 20	1		1	.1						1							
D	DO	3S 24	60	7.3	56	4.1				18	38								
D	DO	3S 30	6		6	.5				6									
D	DO	3S 32	123	3.2	119	8.8			12	36	71								
D	DO	3S 34	17	5.9	16	1.2			16										
D	DO	3S 36	30	4.3	28	2.1			9	19									
D	DO	3S 38	27		27	2.0			27										
D	DO	3S 40	555		553	41.0			117	198	222	15							
D	DO	4S 12	9		9	.7			9										
D	DO	4S 14	4		4	.3			4										
D	DO	4S 16	41		41	3.0			38	3									
D	DO	4S 18	24		24	1.8			24										
D	DO	4S 20	36		36	2.7			36										
D	DO	4S 24	15		15	1.1			15										
D	DO	4S 26	22		22	1.6			22										
D	DO	4S 28	2		2	.1			2										
D	DO	4S 30	23		23	1.7			23										
D	DO	4S 32	8	20.0	6	.4			6										
D	DO	4S 34	13	20.0	10	.8			10										

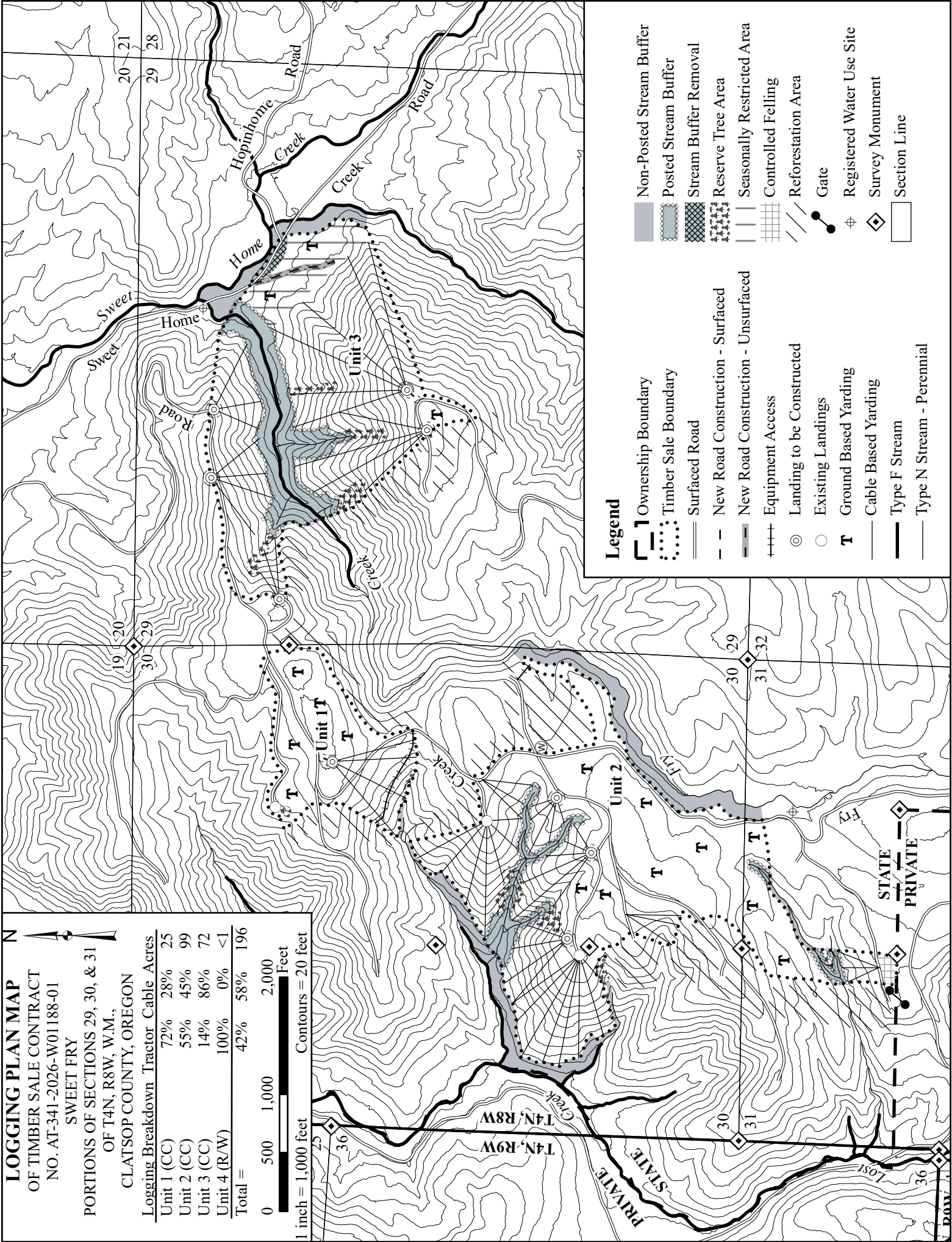
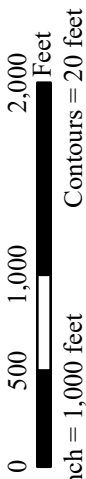
TC PLOGSTVB				Log Stock Table - MBF															
T04N R08W S30 Ty00CC71.00 T04N R08W S30 Ty00CC64.00 T04N R08W S30 Ty00CC61.00				Project: SWEETFRY Acres 435.00 196												Page 4 Date 10/29/2025 Time 12:48:22PM			
S Spp	T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches										
									2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39
D		Totals			1,370	1.6	1,348	26.9			369	281	356	79	67	79	43	58	15
M		DO	2S	32	4		4	46.7					4						
M		DO	4S	16	1		1	11.7			1								
M		DO	4S	36	2		2	18.2			2								
M		DO	4S	38	2		2	23.4			2								
M		Totals			8		8	.2			4		4						
Total		All Species			5,068	1.0	5,015	100.0		11	1336	664	748	578	346	681	445	108	99

TC PSTNDSUM		Stand Table Summary										Page	1			
												Date:	10/29/2025			
T04N R08W S30 Ty00CC		71.00		Project SWEETFRY						Time:		12:48:39PM				
T04N R08W S30 Ty00CC		64.00		Acres 196.00						Grown Year:						
T04N R08W S30 Ty00CC		61.00														
S Spc	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net 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		9	2	89	50	3.203	1.41	3.20	9.0	40.0		29	128	56	25	
H		10	5	86	66	6.486	3.54	7.78	11.5	41.7		90	324	175	64	
H		11	7	86	96	7.504	4.95	11.79	14.9	50.0		176	590	345	116	
H		12	4	85	69	3.603	2.83	5.40	15.5	48.3		84	261	164	51	
H		13	8	86	84	5.708	5.26	8.78	21.2	74.4		186	653	364	128	
H		14	2	87	78	1.324	1.41	2.65	19.2	67.5		51	179	100	35	
H		15	5	86	72	2.989	3.67	5.13	21.3	74.2		109	381	214	75	
H		16	6	87	93	2.755	3.85	5.51	28.5	102.9		157	567	308	111	
H		17	5	86	79	2.118	3.34	3.79	31.1	99.1		118	375	231	74	
H		18	14	86	98	5.041	8.91	11.00	34.9	123.5		384	1,358	753	266	
H		19	8	85	86	2.738	5.39	4.95	39.2	123.6		194	612	381	120	
H		20	3	86	107	.881	1.92	2.09	41.8	149.6		87	312	171	61	
H		21	5	86	90	1.139	2.74	2.28	47.5	161.0		108	367	212	72	
H		22	7	86	90	1.498	3.96	3.19	49.2	173.9		157	555	307	109	
H		23	9	84	97	1.930	5.57	4.18	53.9	204.6		225	854	441	167	
H		24	8	87	95	1.421	4.46	3.39	56.0	211.2		190	716	372	140	
H		25	2	85	100	.298	1.02	.75	58.0	222.0		43	165	85	32	
H		26	10	85	105	1.486	5.48	3.58	69.7	277.3		249	992	489	194	
H		27	5	86	100	.639	2.54	1.41	79.6	315.5		112	443	219	87	
H		28	4	86	87	.569	2.43	1.06	79.6	340.3		85	362	166	71	
H		29	3	86	105	.376	1.72	.97	79.9	339.3		78	330	152	65	
H		30	4	84	92	.414	2.03	.93	88.4	357.8		82	333	161	65	
H		31	5	83	102	.523	2.74	1.24	95.7	391.9		119	486	232	95	
H		33	4	84	112	.409	2.43	1.11	103.1	446.7		114	495	224	97	
H		34	2	85	97	.193	1.22	.39	130.4	524.3		50	202	99	40	
H		36	1	82	111	.072	.51	.22	107.7	483.3		23	104	46	20	
H		45	1	86	117	.046	.51	.14	182.7	903.3		25	125	49	24	
H		Totals	139	86	84	55.362	85.84	96.89	34.3	126.6		3,325	12,270	6,517	2,405	
D		10	4	86	38	6.826	3.72	6.83	8.5	30.2		58	206	114	40	
D		11	4	85	48	5.641	3.72	5.64	12.2	35.1		69	198	134	39	
D		12	3	85	62	4.169	3.27	4.17	14.2	41.6		59	173	116	34	
D		13	6	86	62	7.105	6.55	9.16	17.3	49.4		158	452	310	89	
D		14	5	85	65	5.651	6.04	8.71	17.7	54.5		154	475	302	93	
D		15	9	84	72	8.005	9.82	12.63	20.0	61.4		253	775	495	152	
D		16	12	86	76	9.338	13.04	15.38	22.7	71.5		350	1,099	685	215	
D		17	7	84	81	4.995	7.87	9.99	25.2	79.7		252	796	494	156	
D		18	5	85	77	3.418	6.04	6.84	27.4	85.0		187	581	367	114	
D		19	2	85	89	.516	1.02	1.03	34.7	110.0		36	114	70	22	
D		20	3	86	91	1.501	3.27	3.00	33.3	107.0		100	321	196	63	
D		21	3	88	103	.634	1.52	1.48	41.9	154.3		62	228	121	45	
D		23	2	86	104	.352	1.02	.70	57.5	215.0		41	151	79	30	
D		24	2	86	112	.304	.96	.75	55.8	218.4		42	164	82	32	
D		25	2	88	103	.281	.96	.71	54.3	214.0		39	152	76	30	
D		26	1	88	126	.138	.51	.41	59.3	256.7		25	106	48	21	
D		28	2	88	126	.224	.96	.67	71.3	310.7		48	209	94	41	
D		32	1	83	108	.091	.51	.18	42.5	160.0		8	29	15	6	
D		33	1	86	121	.086	.51	.26	88.7	413.3		23	106	45	21	
D		34	1	85	146	.081	.51	.24	115.7	560.0		28	135	55	27	
D		36	2	85	144	.144	1.02	.43	125.2	620.0		54	267	106	52	
D		48	1	86	150	.040	.51	.12	231.0	1150.0		28	139	55	27	
D		Totals	78	85	67	59.540	73.34	89.34	23.2	77.0		2,071	6,879	4,059	1,348	
A		8	3	86	61	5.393	1.88	5.39	9.0	33.3		49	180	95	35	

TC		PSTNDSUM		Stand Table Summary										Page		2	
														Date:		10/29/2025	
T04N R08W S30 Ty00CC71.00 T04N R08W S30 Ty00CC64.00 T04N R08W S30 Ty00CC61.00				Project				SWEETFRY				Time:		12:48:39PM			
				Acres				196.00				Grown Year:					
S Spc	T	Tot							Average Log		Net			Net			
		DBH	Sample 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	Totals			
														Tons			
														Cunits			
														MBF			
A	9	6	87	68	8.022	3.54	9.44	10.9	44.1		103	416		201	82		
A	10	5	87	78	5.753	3.14	5.75	16.4	60.0		94	345		185	68		
A	11	6	86	77	5.705	3.77	7.61	15.5	52.5		118	399		231	78		
A	12	4	87	72	3.196	2.51	4.79	16.2	53.3		78	256		152	50		
A	13	8	87	69	5.447	5.02	8.17	19.2	60.0		157	490		307	96		
A	14	6	87	59	4.229	4.52	5.40	22.7	63.3		122	342		240	67		
A	15	6	87	67	3.684	4.52	5.73	23.8	72.5		136	415		267	81		
A	16	5	87	68	2.089	2.92	3.73	24.8	81.3		93	303		181	59		
A	17	2	87	55	1.135	1.79	1.39	31.7	75.6		44	105		86	21		
A	18	1	86	81	.355	.63	.71	32.5	105.0		23	75		45	15		
A	19	2	87	92	.637	1.26	1.27	40.3	137.5		51	175		101	34		
A	20	2	86	52	.575	1.26	.86	36.3	106.7		31	92		61	18		
A	21	1	87	75	.261	.63	.52	42.0	135.0		22	70		43	14		
A	22	1	86	60	.238	.63	.48	39.5	145.0		19	69		37	14		
A	23	1	86	72	.218	.63	.44	49.5	160.0		22	70		42	14		
A	32	1	87	85	.112	.63	.22	106.0	410.0		24	92		47	18		
A	Totals	60	87	69	47.050	39.26	61.92	19.1	62.9		1,184	3,895		2,321	763		
S	9	1	83	17	1.739	.77	1.74	5.0	20.0		9	35		17	7		
S	10	2	84	40	2.818	1.54	2.82	10.5	35.0		30	99		58	19		
S	12	3	84	32	4.158	3.27	4.16	14.3	34.1		59	142		116	28		
S	13	1	86	47	1.876	1.73	1.88	21.0	40.0		39	75		77	15		
S	14	1	80	44	1.617	1.73	1.62	22.0	40.0		36	65		70	13		
S	22	1	82	79	.354	.93	.71	48.0	135.0		34	96		67	19		
S	24	1	86	91	.298	.93	.60	66.0	235.0		39	140		77	27		
S	26	1	86	96	.208	.77	.42	81.5	300.0		34	125		67	25		
S	27	1	86	102	.235	.93	.47	91.0	360.0		43	169		84	33		
S	29	2	86	108	.371	1.70	.91	90.3	382.3		82	348		161	68		
S	30	1	81	92	.190	.93	.38	100.0	350.0		38	133		75	26		
S	44	2	80	91	.146	1.54	.36	171.0	774.0		62	282		122	55		
S	53	1	72	104	.050	.77	.10	324.0	1150.0		32	115		64	23		
S	55	1	83	101	.047	.77	.09	356.5	1550.0		33	144		65	28		
S	Totals	19	84	43	14.108	18.31	16.25	35.1	121.1		571	1,967		1,119	386		
C	8	1	85	16	.582	.20											
C	13	1	82	27	.873	.80	.87	12.0	20.0		10	17		21	3		
C	20	1	83	93	.369	.80	.74	39.0	110.0		29	81		56	16		
C	26	1	81	73	.055	.20	.11	54.5	135.0		6	15		12	3		
C	29	1	83	88	.175	.80	.35	81.5	255.0		29	90		56	18		
C	31	1	79	88	.154	.80	.31	90.5	255.0		28	78		54	15		
C	32	1	82	97	.144	.80	.29	102.5	330.0		30	95		58	19		
C	33	1	82	109	.136	.80	.41	81.7	316.7		33	129		65	25		
C	36	1	71	62	.029	.20	.03	86.0	90.0		2	3		5	1		
C	42	1	67	64	.021	.20	.02	91.0	90.0		2	2		4	0		
C	54	1	72	63	.013	.20	.01	214.0	380.0		3	5		5	1		
C	56	1	78	79	.012	.20	.02	267.0	865.0		6	21		12	4		
C	Totals	12	82	52	2.563	6.05	3.16	56.3	169.3		178	535		349	105		
M	15	2	87	60	.331	.41	.50	21.7	70.0		11	35		21	7		
M	17	1	87	46	.129	.20	.13	31.0	60.0		4	8		8	2		
M	Totals	3	87	56	.459	.61	.62	23.6	67.9		15	42		29	8		
Totals		311	86	71	179.082	223.41	268.18	27.4	95.4		7,344	25,589		14,394	5,015		

LOGGING PLAN MAP
 OF TIMBER SALE CONTRACT
 NO. AT-341-2026-W01188-01
 SWEET FRY
 PORTIONS OF SECTIONS 29, 30, & 31
 OF T4N, R8W, W.M.,
 CLATSOP COUNTY, OREGON

Logging Breakdown	Tractor	Cable	Acres
Unit 1 (CC)	72%	28%	25
Unit 2 (CC)	55%	45%	99
Unit 3 (CC)	14%	86%	72
Unit 4 (R/W)	100%	0%	<1
Total =	42%	58%	196



Legend

- Ownership Boundary
- Timber Sale Boundary
- Surfaced Road
- New Road Construction - Surfaced
- New Road Construction - Unsurfaced
- Equipment Access
- Landing to be Constructed
- Existing Landings
- Ground Based Yarding
- Cable Based Yarding
- Type F Stream
- Type N Stream - Perennial
- Non-Posted Stream Buffer
- Posted Stream Buffer
- Stream Buffer Removal
- Reserve Tree Area
- Seasonally Restricted Area
- Controlled Felling
- Reforestation Area
- Gate
- Registered Water Use Site
- Survey Monument
- Section Line