



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Wild Gander
Sale AT-341-2026-W01296-01

District: Astoria

Date: January 13, 2026

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$3,626,899.34	\$108,603.86	\$3,735,503.20
		Project Work:	(\$499,345.00)
		Advertised Value:	\$3,236,158.20



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District: Astoria

Date: January 13, 2026

Timber Description

Location:

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	25	0	98
Western Hemlock / Fir	18	0	97
Alder (Red)	16	0	96

Volume by Grade	2S	3S & 4S 6" - 11"	3S 12"+	SM & Better	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	5,545	781	226	467	0	0	0	0	7,019
Western Hemlock / Fir	1,841	1,049	50	58	0	0	0	0	2,998
Alder (Red)	0	0	0	0	82	183	150	142	557
Total	7,386	1,830	276	525	82	183	150	142	10,574

Comments: Pond Values Used: Local Pond Values, January, 2026.

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

PRICING:

Western Red Cedar and other Cedars stumpage = pond value - (Douglas-fir) logging cost.
 $\$1,002.96/\text{MBF} = \$1,310/\text{MBF} - \$307.04/\text{MBF}$

Spruce = pond value - (Douglas-fir) logging cost.
 $\$217.96/\text{MBF} = \$525/\text{MBF} - \$307.04/\text{MBF}$

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

Machine Washing for Invasive Weed Compliance = \$2,000

Ditch Filters:

10 bales of straw @ \$13.39/bale = \$133.90
4 hours of labor (installation/removal) @ \$50/hr = \$200

Waterbar and Block Unsurfaced Roads:

Move-in C315 Excavator @ \$1,005/move-in = \$1,005
4 hrs w/C315 to block unsurfaced roads and construct waterbars @ \$127/hr = \$508

TOTAL Other Costs (with Profit & Risk to be added): \$3,846.90

Other Costs (No Profit & Risk added): None

SLASH PILING

(See attached appraisal. Includes move-in, pile materials, and end-hauling) = \$11,913.50

ROAD MAINTENANCE

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: \$25,710/10,574 MBF = \$2.43/MBF



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Logging Conditions

Combination#: 1 Douglas - Fir 77.00%
 Western Hemlock / Fir 77.00%
 Alder (Red) 77.00%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Manual Falling/Delimbing

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

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

loads / day: 9 **bd. ft / load:** 4400

cost / mbf: \$201.47

machines: Log Loader (A)
 Tower Yarder (Medium)

Combination#: 2 Douglas - Fir 23.00%
 Western Hemlock / Fir 23.00%
 Alder (Red) 23.00%

Logging System: Shovel **Process:** Feller Buncher

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

tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF

loads / day: 15 **bd. ft / load:** 4400

cost / mbf: \$151.52

machines: Feller Buncher w/ Delimber



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Wild Gander
Sale AT-341-2026-W01296-01

District: Astoria

Date: January 13, 2026

Logging Costs

Operating Seasons: 3.00

Profit Risk: 12%

Project Costs: \$499,345.00

Other Costs (P/R): \$3,846.90

Slash Disposal: \$11,913.50

Other Costs: \$0.00

Miles of Road

Road Maintenance: \$2.43

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	5.5
Western Hemlock / Fir	\$0.00	3.0	4.9
Alder (Red)	\$0.00	2.0	4.8



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Wild Gander Sale AT-341-2026-W01296-01

District: Astoria

Date: January 13, 2026

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$189.98	\$2.48	\$1.25	\$77.28	\$0.36	\$32.56	\$1.13	\$2.00	\$0.00	\$307.04
Western Hemlock / Fir									
\$189.98	\$2.50	\$1.25	\$87.58	\$0.36	\$33.80	\$1.13	\$2.00	\$0.00	\$318.60
Alder (Red)									
\$189.98	\$2.53	\$1.25	\$135.42	\$0.36	\$39.54	\$1.13	\$2.00	\$0.00	\$372.21

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$731.78	\$424.74	\$0.00
Western Hemlock / Fir	\$0.00	\$533.96	\$215.36	\$0.00
Alder (Red)	\$0.00	\$567.19	\$194.98	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Wild Gander
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District: Astoria

Date: January 13, 2026

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	7,019	\$424.74	\$2,981,250.06
Western Hemlock / Fir	2,998	\$215.36	\$645,649.28
Alder (Red)	557	\$194.98	\$108,603.86

Gross Timber Sale Value

Recovery: \$3,735,503.20

Prepared By: Justin Bush

Phone: 503-325-5451

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale:	Wild Gander		MBF:	10,574
Date:	January 12, 2026		\$/MBF:	\$2.43
By:	Justin Bush			

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost	
Interim Operations	Grader 14G	\$972	1	8	\$126	\$1,980	
	Dump Truck 12CY	\$205	1	8	\$110	\$1,085	
	Rubber Tired Backhoe - small	\$401	1	4	\$97	\$789	
	Vibratory Roller	\$972	1	8	\$97	\$1,748	
Interim Snow Plowing	Grader 14G	\$972	1	4	\$126	\$1,476	
Final Road Maintenance	Grader 14G	\$972	1	33	\$126	\$5,130	
	Dump Truck 12CY	\$205	2	24	\$110	\$3,050	
	FE Loader C966	\$972	1	8	\$105	\$1,812	
	Vibratory Roller	\$972	1	33	\$97	\$4,173	
	Water Truck 2,500 gallon	\$238	1	16	\$113	\$2,046	
	C315 Excavator	\$1,005	1	8	\$127	\$2,021	
	Labor			8	\$50	\$400	
Total							\$25,710

Interim Operations Road Maintenance

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

Final Road Maintenance*

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	2.0	8.3	4.2	33
Vibratory Roller	2.0	8.3	4.2	33

Process and compact: All crushed rock roads
Beneke Creek Road 2.3 Miles
Trailover Road 0.4 Miles
Trailover Ridge Road 1.6 Miles
Wild Goose Road 1.3 Miles
(Existing) Unnamed Spur Roads 1.9 Miles
New Construction Spur Roads 0.8
Grade & Process Total = 8.3

*It is anticipated that this sale will share maintenance with the Goose Chase timber sale.

Site Prep Appraisal

Sale Name: Wild Gander
 Date: 12/08/2025

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

Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area
1	CC	B	7	7	\$160.00	\$1,120.00
2	CC	A	33	17	\$160.00	\$2,640.00
3 (Quarry R/W)	R/W	B	5	5	\$160.00	\$800.00
In-unit Piling						Sub Total = \$4,560.00

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	15	102	\$3,264.00	46.5	\$5.00	\$232.50
2	18	84	\$1,792.00	34.5	\$5.00	\$172.50
3 (Quarry R/W)	2	5	\$160.00	24.5	\$5.00	\$122.50

*Cost includes separating firewood Materials Sub Total = \$527.50

Additional Move-in allowance Landing Piling Sub Total = \$5,216.00

Move-In Allowance	Number of Move-In's	Total Move-In Allowance	
\$1,610.00	1	\$1,610.00	Slash piler
			Move-In Sub Total = \$1,610.00

Slash Endhaul	Dump Truck hrs	Cost/Hour	Total	Loader hrs	Cost/Hour	Total
	0	\$110.00	\$0.00	0	\$160.00	\$0.00
						Sub Total = \$0.00

Grand Total = \$11,913.50

SUMMARY OF ALL PROJECT COSTS

SALE NAME: Wild Gander

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>	
Surfaced				
1A, 1B to 1C, 1D to 1E,	36.90	0.70	\$57,706.81	
1F, 1G to 1H, 1I to 1J,				
2A to 2B, 2E, 2F, 2G,				
3A to 3B				
Unsurfaced				
2C to 2D	10.10	0.19	\$4,486.88	
Road Maint.			\$94.17	
Move-In			\$3,350.82	
TOTALS	47.00	0.89		\$65,639

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>	
11 to 12, 13 to 14	563.1	10.66	\$104,240.33	
15 to 16, 17 to 18				
Road Maint.			\$157.83	
Move-In			\$5,616.18	
TOTALS		10.66		\$110,014

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 Rock Crushing		\$320,442.00	
Proj. 4 Stream Enhancement		\$3,250.00	
TOTAL			\$323,692

GRAND TOTAL **\$499,345**

Compiled By: Brittany West

Date: 01/04/2025

Move In and Maintenance Calculator for Construction and Improvement

SALE NAME: Wild Gander

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
Surfaced			
1A, 1B to 1C, 1D to 1E,	36.90	0.70	\$57,706.81
1F, 1G to 1H, 1I to 1J,			
2A to 2B, 2E, 2F, 2G,			
3A to 3B			
Unsurfaced			
2C to 2D	10.10	0.19	\$4,486.88
TOTALS	47.00	0.89	\$62,194

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
l1 to l2, l3 to l4	563.10	10.66	\$104,240
l5 to l6, l7 to l8			
TOTALS		10.66	\$104,240

MOVE IN (Construction & Improvement Only)

<u>Equipment</u>	<u>Length/Mile</u>	<u>Cost</u>
Vibratory Roller		\$972.00
D8 Dozer		\$1,755.00
C315 Excavator		\$1,005.00
C330 Excavator		\$1,755.00
C966 Loader		\$972.00
14 G Grader		\$972.00
Water Truck (2,500 gal)		\$238.00
Dump Truck 20cy (x2)		\$478.00
Dump Truck 10cy (x4)		\$820.00
TOTAL		\$8,967.00

ROAD MAINTENANCE (Construction & Improvement Only)

	<u>Length/Mile</u>	<u>Cost</u>
Wild Bill Quarry Road	0.18	\$252.00
TOTAL		\$252.00

SALE NAME:	Wild Gander	NEW CONSTRUCTION:	47.00	STATIONS	0.89	MILES
ROAD:	1B to 1C (5.0), 1D to 1E (1.1), 1G to 1H (19.7), 1I to 1J (1.0), 2A to 2B (4.6), 2C to 2D (10.1), 3A to 3B (5.5)	IMPROVEMENT:		STATIONS	0.00	MILES
POINTS:	1A, 1C, 1E, 1F, 6+10 and 12+35 1G to 1H, 1H, 1J, 2B, 2D, 2E, 2F, 2G					

EXCAVATION						
	Material	Cyl/amount	x	Rate	=	Cost
1A	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
1B to 1C						
0+00 to 5+00	Balanced construction (\$/sta)	5.00	x	\$154.00	=	\$770.00
5+00	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
1D to 1E						
0+00 to 1+10	Balanced construction (\$/sta)	1.10	x	\$154.00	=	\$169.40
1+10	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
1F						
	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
1G to 1H						
	Common drift (<50% slopes) (\$/cy)	2,900	x	\$2.25	=	\$6,525.00
	Embankment compaction (\$/cy)	2,900	x	\$0.87	=	\$2,523.00
6+10, 12+35, 19+70	Construct landing (\$/Indg)	3	x	\$487.00	=	\$1,461.00
1I to 1J						
0+00 to 1+00	Balanced construction (\$/sta)	1.00	x	\$154.00	=	\$154.00
1+00	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
2A to 2B						
4+60	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
2C to 2D						
0+00 to 10+10	Balanced construction (\$/sta)	10.10	x	\$154.00	=	\$1,555.40
10+10	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
2E						
	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
2F						
	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
2G						
	Construct landing (\$/Indg)	1	x	\$487.00	=	\$487.00
3A to 3B						
	Balanced construction (\$/sta)	5.50	x	\$154.00	=	\$847.00
SUB TOTAL FOR EXCAVATION						\$18,875

[illegible]

[illegible]

ROAD SEGMENT				1G to 1H		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	Number of	0+00 to 19+70						
Junction Rock	3/4"-0" crushed	0+00	N/A	junction	11	junctions	1	stations	18.70	11	\$6.88	\$76
Base Rock	4"-0" crushed	0+00 to 18+70	8	station	50	stations				935	\$6.88	\$6,433
Base Rock	4"-0" crushed	18+70 to 19+70	12	station	86	stations			1.00	86	\$6.88	\$592
Traction Rock	3/4"-0" crushed	0+00 to 4+00	2	station	13	stations			4.00	52	\$6.88	\$358
Turnouts	4"-0" crushed	3+25	N/A	turnout	11	turnouts			1	11	\$6.88	\$76
Turnarounds	4"-0" crushed	18+15	N/A	turnaround	11	turnarounds			1	11	\$6.88	\$76
Landings	6"-0" jaw-run	6+10, 12+35, 19+70	N/A	landing	110	landings			3	330	\$6.88	\$2,270
Total Rock for Road Segment:										1,436		\$9,880
ROAD SEGMENT				1I to 1J		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per	Number of	0+00 to 1+00						
Junction Rock	3/4"-0" crushed	0+00	N/A	junction	11	junctions			1	11	\$6.88	\$76
Base Rock	4"-0" crushed	0+00 to 1+00	12	station	86	stations			1.00	86	\$6.88	\$592
Landings	6"-0" jaw-run	1+00	N/A	landing	110	landings			1	110	\$6.88	\$757
Total Rock for Road Segment:										207		\$1,424
ROAD SEGMENT				2A to 2B		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	Number of	0+00 to 4+60						
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions			1	11	\$6.88	\$76
Base Rock	4"-0" crushed	0+00 to 3+60	8	station	50	stations			3.60	180	\$6.88	\$1,238
Base Rock	4"-0" crushed	3+60 to 4+60	12	station	86	stations			1.00	86	\$6.88	\$592
Traction Rock	1 1/2"-0" crushed	0+00 to 4+00	2	station	13	stations			4.00	52	\$6.88	\$358
Landings	6"-0" jaw-run	4+60	N/A	landing	110	landings			1	110	\$6.88	\$757
Total Rock for Road Segment:										439		\$3,020
ROAD SEGMENT				2C to 2D		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	Number of	0+00 to 10+10						
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	junctions			1	11	\$6.88	\$76
Base Rock	4"-0" crushed	0+00 to 1+00	8	station	50	stations			1.00	50	\$6.88	\$344
Total Rock for Road Segment:										61		\$420
ROAD SEGMENT				2E		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	Number of	N/A						
Junction Rock	1 1/2"-0" crushed	N/A	N/A	junction	11	junctions			1	11	\$6.88	\$76
Landings	6"-0" jaw-run	N/A	N/A	landing	88	landings			1	88	\$6.88	\$605
Total Rock for Road Segment:										99		\$681

ROAD SEGMENT		2F		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 2F	Number of junctions landings	Number of junctions landings				
Junction Rock	1 1/2"-0" crushed	N/A	N/A	junction	11	1	11	11	\$6.88	\$76
Landings	6"-0" jaw-run	N/A	N/A	landing	88	1	88	88	\$6.88	\$605
Total Rock for Road Segment:			2F				99			\$681
ROAD SEGMENT		2G		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 2G	Number of junctions landings	Number of junctions landings				
Junction Rock	1 1/2"-0" crushed	N/A	N/A	junction	11	1	11	11	\$6.88	\$76
Landings	6"-0" jaw-run	N/A	N/A	landing	110	1	110	110	\$6.88	\$757
Total Rock for Road Segment:			2G				121			\$832
ROAD SEGMENT		3A to 3B		POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
Application	Rock Size and Type	Location	Depth of Rock (inches)	Volume (CY) per 3A to 3B	Number of junctions stations	Number of junctions stations				
Junction Rock	1 1/2"-0" crushed	0+00	N/A	junction	11	1	11	11	\$6.88	\$76
Base Rock	4"-0" crushed	0+00 to 5+00	8	station	50	5.50	275	275	\$6.88	\$1,892
Total Rock for Road Segment:			3A to 3B				286			\$1,968
Processing:										
				Description	No. sta	Rate/sta	Cost			
				Water, Process & Compact Base Rock (4"-0"):	1B to 1C (5.0), 1D to 1E (1.10), 1G to 1H (19.70), 1I to 1J (1.0), 2A to 2B (4.6), 2C to 2D (1.0), 3A to 3B (5.5)	37.9	\$70.47	\$2,670.81		
				Water, Process & Compact Traction Rock (3/4"- 0" and 1 1/2"-0"):	1B to 1C (2.45), 1G to 1H (4.0), 2A to 2B (4.0)	10.45	\$70.47	\$736.41		

Compiled By: Brittany West

Date: 01/02/2026

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Wild Gander

ROAD: 11 to 12 (465.55 sta.), 13 to 14 (87.75 sta.),

POINTS: 15 to 16 (7.1 sta.), 17 to 18 (2.7 sta.)

NEW CONSTRUCTION:

IMPROVEMENT: 563.10

STATIONS

STATIONS

0.00 MILES

10.66 MILES

CLEARING & GRUBBING

Method	Acres/amount	x	Rate	=	Cost
		x		=	\$0.00

SUB TOTAL FOR CLEARING & GRUBBING

\$0

EXCAVATION

Material	Cy/amount	x	Rate	=	Cost
11 to 12					
0+00 Clean bridge deck					
Improve drainage C315/Hrs.	1.0	x	\$127.00	=	\$127.00
0+00 to 465+55 Remove debris from road prism C315/Hrs.	4.0	x	\$127.00	=	\$508.00
13 to 14					
86+50 Remove trees and debris					
from turnaround C315/Hrs.	1.0	x	\$127.00	=	\$127.00
87+75 Remove trees and debris					
from landing C315/Hrs.	1.0	x	\$127.00	=	\$127.00
15 to 16					
7+10 Remove trees and debris					
from landing C315/Hrs.	1.0	x	\$127.00	=	\$127.00
17 to 18					
2+70 Remove trees and debris					
from landing C315/Hrs.	1.0	x	\$127.00	=	\$127.00

SUB TOTAL FOR EXCAVATION

\$1,143

CULVERT MATERIALS AND INSTALLATION

Location	Dia/type	Lineal ft.	Rate	Cost	Location	Dia/type	Lineal ft.	Rate	Cost

Other/miscellaneous:

Culvert stakes & markers:

Description	Quantity	Rate	Cost
6' x 2 1/2" white fiberglass posts	3	\$25.53	\$76.59

SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION

\$77

Subtotal of Clearing, Exc., Culv.

\$1,220

SURFACING

Subgrade prep:

Description		Stations/ amount		Rate/ sta/amt	Cost
Grade, Shape and Ditch 16'	I1 to I2 (182+00 to 465+55) 283.55 sta.	331.75	x	\$30.98	\$10,277.62
	I3 to I4 (49+35 to 87+75) 38.4 sta.		x		
	I5 to I6 (7.1 sta.), I7 to I8 (2.7 sta.)				
Spot Grade (14G/hr):	I1 to I2 (0+00 to 182+00) 182.0 sta.	24	x		
	I3 to I4 (0+00 to 49+35) 49.35 sta.				
Subgrade Compaction	I1 to I2 (182+00 to 465+55) 283.55 sta.	331.75	x	\$25.19	\$8,356.78
	I3 to I4 (49+35 to 87+75) 38.4 sta., I5 to I6 (7.1 sta.), I7 to I8 (2.7 sta.)				
Sod Removal:	I3 to I4 (49+35 to 87+75) 38.4 sta., I5 to I6 (7.1 sta.), I7 to I8 (2.7 sta.)	48.20	x	\$29.08	\$1,401.66
Backhoe to scatter sod debris: I3 to I4 (49+35 to 87+75) 38.4 sta., I5 to I6 (7.1 sta.), I7 to I8 (2.7 sta.)		48.20	x	\$11.19	\$539.36

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		
				11 to 12		0+00 to 465+55						
				Volume (CY) per	Number of	loads	stations					
Surface Leveling Rock	1 1/2"-0" crushed	0+00 to 95+70	N/A	load	11	load	12	132	\$6.88	\$908		
Surface Leveling Rock	1 1/2"-0" crushed	95+70 to 182+00	N/A	load	11	load	36	396	\$6.88	\$2,724		
Surfacing	3/4"-0" crushed	182+00 to 354+25	3	station	19	station	172.25	3,273	\$6.88	\$22,517		
		183+80, 189+00, 192+40, 196+25, 199+80, 204+00, 208+30, 210+00, 216+00, 217+90, 225+30, 233+60, 238+10, 241+60, 245+10, 253+50, 258+65, 264+70, 272+20, 282+45, 288+00, 295+70, 297+95, 302+50, 306+55, 320+90, 322+00, 329+90, 334+50										
Turnouts	3/4"-0" crushed		N/A	turnout	11	turnout	29	319	\$6.88	\$2,195		
		216+75, 239+35, 262+36, 267+25, 277+90, 284+25, 313+00, 332+00, 336+75, 341+75, 354+25										
Junctions	3/4"-0" crushed	354+25	N/A	junction	11	junction	11	121	\$6.88	\$832		
		231+90, 323+75, 349+85	N/A	junction	22	junction	3	66	\$6.88	\$454		
Turnaround	3/4"-0" crushed	192+40, 216+00	N/A	turnaround	11	turnaround	2	22	\$6.88	\$151		
Surface Leveling Rock	1 1/2"-0" crushed	354+25 to 465+55	N/A	load	11	load	2	22	\$6.88	\$151		
Surfacing	1 1/2"-0" crushed	354+25 to 465+55	2	station	13	station	111.3	1,447	\$6.88	\$9,955		
		358+40, 363+70, 366+50, 370+60, 376+10, 382+60, 383+45, 388+30, 393+10, 394+20, 396+80, 405+20, 418+10, 423+05, 434+40, 440+00, 457+90										
Turnouts	1 1/2"-0" crushed		N/A	turnout	11	turnout	17	187	\$6.88	\$1,287		
		387+60, 411+30, 411+90, 426+80, 449+60, 454+75, 462+45, 465+45										
Junctions	1 1/2"-0" crushed	462+45, 465+45	N/A	junction	11	junction	8	88	\$6.88	\$605		
Junctions	1 1/2"-0" crushed	442+40	N/A	junction	22	junction	1	22	\$6.88	\$151		
Turnaround	1 1/2"-0" crushed	399+00	N/A	turnaround	22	turnaround	1	22	\$6.88	\$151		
Total Rock for Road Segment:								6,117		\$42,083		

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		
				Volume (CY) per	13 to 14	Number of	0+00 to 87+75					
Surface Leveling Rock	3/4"-0" crushed	0+00 to 49+35	N/A	load	11	loads	10	110	\$6.88	\$757		
Surfacing	1 1/2"-0" crushed	49+35 to 87+75	2	station	13	stations	38.4	499	\$6.88	\$3,434		
Surfacing	4"-0" crushed	80+00 to 87+75	4	station	25	stations	7.75	194	\$6.88	\$1,333		
Junctions	3/4"-0" crushed	0+00	N/A	junction	33	junctions	1	33	\$6.88	\$227		
Turnouts	1 1/2"-0" crushed	59+95	N/A	turnout	11	turnouts	1	11	\$6.88	\$76		
Turnaround	4"-0" crushed	86+50	N/A	turnaround	22	turnaround	1	22	\$6.88	\$151		
Curve Widening Surface	1 1/2"-0" crushed	74+40	N/A	load	22	loads	1	22	\$6.88	\$151		
Landings	6"-0" jaw-run	87+75	N/A	landing	66	landings	1	66	\$6.88	\$454		
Total Rock for Road Segment:									957	\$6,584		
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		
				Volume (CY) per	15 to 16	Number of	0+00 to 7+10					
Surfacing	1 1/2"-0" crushed	0+00 to 7+10	2	station	13	stations	7.1	92	\$6.88	\$635		
Turnouts	1 1/2"-0" crushed	2+95	N/A	turnout	11	turnouts	1	11	\$6.88	\$76		
Junctions	1 1/2"-0" crushed	0+00	N/A	junction	22	junctions	1	22	\$6.88	\$151		
Landings	6"-0" jaw-run	7+10	N/A	landing	66	landings	1	66	\$6.88	\$454		
Total Rock for Road Segment:									191	\$1,316		
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		
				Volume (CY) per	17 to 18	Number of	0+00 to 2+70					
Surfacing	4"-0" crushed	0+00 to 2+70	4	station	25	stations	2.7	68	\$6.88	\$464		
Junctions	1 1/2"-0" crushed	0+00	N/A	junction	22	junctions	1	22	\$6.88	\$151		
Landings	6"-0" jaw-run	2+70	N/A	landing	66	landings	1	66	\$6.88	\$454		
Total Rock for Road Segment:									156	\$1,070		
SUB TOTAL FOR SURFACING										3/4"-0" crushed	3,944	7,420
6"-0"jr										198	283	2,995
4"-0"										crushed	1 1/2"-0"	
Description										No.sta	Rate/sta	Cost
Processing:										281.55	\$70.47	\$19,841
Water, Process & Compact: 11 to 12 (465.55 sta.), 13 to 14 (87.75 sta.), 15 to 16 (7.1 sta.), 17 to 18 (2.7 sta.)										281.55	\$30.29	\$8,528

Processing: Description

Water, Process & Compact: 11 to 12 (465.55 sta.), 13 to 14 (87.75 sta.), 15 to 16 (7.1 sta.), 17 to 18 (2.7 sta.)

No sta	Rate/sta	Cost
281.55	\$70.47	\$19,841
281.55	\$30.29	\$8,528

SPECIAL PROJECTS

Description

Cy/Amount	Rate	Cost

SUB TOTAL FOR SPECIAL PROJECTS

\$0
Subtotal of Surfacing & Spec. Proj. \$103,021
Subtotal of Clearing, Exc., Culv. \$1,220

GRAND TOTAL

\$104,240

Compiled By:

Brittany West

Date: 01/05/2026

Projects Road Maintenance Cost Summary

Sale: Wild Gander
Date: 02-Jan-25
By: Brittany West

Type	Equipment/Rationale			Hours	Rate	Cost	
Project Work	Grader 14G			2	\$126	\$252	
Final Haul	Dump Truck 12CY						
Road	FE Loader C966						
Maintenance	Vibratory Roller						
	Water Truck 2,500 gallon						
Total							\$252

Production Rates	Miles/day	Distance(miles)	Days
Grader	1.5	0.18	0.1
Vibratory Roller	1.5	0.18	0.1

NOTE: Wild Bill Quarry Road	0.18	Miles
		Miles
		Miles
		Miles
	TOTAL=	0.18 Miles

CRUSHED ROCK COST

SALE NAME:	Wild Gander
PROJECT:	Project Nos. 1 and 2
Stockpile:	Wild Bill Quarry

DATE: 01/05/2025
BY: BW

[illegible]

ROCK HAUL:

Truck type:	<u>D20</u>	No. trucks:	<u>2</u>
Delay min.:	<u>8</u>	Efficiency:	<u>85%</u>

Ave haul:	\$5.65	/cy
Load:	\$0.30	/cy
Spread:	\$0.93	/cy

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

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

Production: cy/day = 979

CRUSHED ROCK HAUL COSTS 11,044 cy @ \$6.88 /cy

SUMMARY OF ROCK DEVELOPMENT AND CRUSHING COSTS

PROJECT NO. <u>3</u>	Timber Sale Name: <u>Wild Gander</u>
Quarry: <u>Wild Bill Quarry</u>	Swell: _____
Location: <u>SW 1/4, NW 1/4, Sec. 3, T6N, R7W</u>	Shrink: <u>16%</u>
County: <u>Clatsop</u>	
By: <u>Brittany West</u>	Loading Hopper: <u>Yes</u>
Date: <u>01/20/2026</u>	

ROCK SIZE	REJECT	GRADATION	STOCKPILE CU. YDS.	TRUCK MEAS CU. YDS.	TOTAL CU. YDS.
3/4"-0"	2%	CR	2,000	4,073	6,393
1-1/2"-0"	2%	CR	3,000	3,134	6,614
4"-0"	2%	CR	3,500	2,395	6,455
6"-0" jaw-run		PR		2,430	2,430
24"-6"		RR			
36"		RR			
TOTAL CUBIC YARDS OF ROCK:			8,500	12,032	21,892

1) MOBILIZATION & SET UP:

EQUIPMENT	QUANTITY	RATE	COST	EQUIPMENT	QUANTITY	RATE	COST
3 Stage Crusher	1	\$3,608	\$3,608	Off Highway Dump Truck	1	\$691	\$691
				Screening Plant	1	\$691	\$691
D6 Cat	1	\$972	\$972	Loader	1	\$1,005	\$1,005
Drill & Compressor	1	\$1,755	\$1,755				
Powder	1	\$439	\$439				
Excavator	1	\$1,755	\$1,755				

SUB TOTAL FOR MOBILIZATION

\$10,916

EQUIPMENT SET UP	TIMES	RATE	COST
3 Stage Crusher	1	\$4,292	\$4,292
Screening Plants	1	\$367	\$367
Original Calibration	1	\$680	\$680

SUB TOTAL FOR SET UP COSTS

\$5,339

TOTAL MOBILIZATION & SET UP COSTS**\$16,255****2) CLEARING & GRUBBING**

DESCRIPTION	QUANTITY	UNIT	RATE	COST
Clearing, Grubbing, Piling and Burning	1.4	acres	\$3,373	\$4,722
Move-in Fire Truck for the burning of the Clearing Debris	1.0	ea	\$238	\$238

TOTAL CLEARING & GRUBBING COSTS**\$4,960**

3) EXCAVATION

MATERIAL DESCRIPTION	QUANTITY	UNIT	RATE	COST
Overburden Removal (excavate, load haul, spread)	2,600	cy	\$4.99	\$12,974

TOTAL EXCAVATION COSTS \$12,974

4) DEVELOP ROCK

ROCK SUMMARY			METHOD	%	QUANTITY	RATE	COST
Type	Cu. yd.	Vol.	Ripping Drill & shoot Oversize red Other	20%	4,378	\$3.80	\$16,638
crushed	19,462	89%		80%	17,825	\$3.90	\$69,517
pit run	2,430	11%		1%	219	\$7.70	\$1,686
rip rap	0	0					
Total	21,892						
reject	389	1.8%					

TOTAL ROCK DEVELOPMENT COSTS \$87,841

5) CALIBRATION & TESTING

DESCRIPTION	NO.	\$/TEST	COST
Calibrate	2	\$558.00	\$1,116
Calibrate			
Test	10	\$63.60	\$636
Test			

TOTAL CALIBRATION & TESTING COSTS \$1,752

6) FEEDING & LOADING

DESCRIPTION	CU. YD. QUANTITY	COST CU. YD.	TOTAL COST
Dig & Feed Rock	19,851	\$1.11	\$22,048
Shot Rock Handling	Excavator 80	\$195.00	\$15,600
Haul Shot Rock to Crusher	24 cy truck 80	\$159.00	\$12,720

TOTAL FEEDING & LOADING COSTS \$50,368

7) ROCK CRUSHING

ROCK SIZE	ROCK TYPE	CU. YD. QUANTITY	CRUSHER TYPE	HOURLY PRODUCTION	RATE CU. YD.	TOTAL COST
3/4"-0"	crushed	6,393	3 stage w/s	110	\$4.38	\$28,013
1-1/2"-0"	crushed	6,614	2 stage w/s	120	\$3.58	\$23,700
4"-0"	crushed	6,455	2 stage w/s	140	\$3.07	\$19,826
6"-0"	jaw run	2,518	1 stage w/s	180	\$1.03	\$2,602

TOTAL ROCK CRUSHING COSTS \$74,141

8) STOCKPILING

STOCKPILE SITE PREPARATION

Equipment	Hours	Rate	Total
Dozer	4	\$180.00	\$720.00
Compactor		\$97.00	
Grader		\$126.00	
Excavator		\$195.00	

Rock for Floor (CY)	\$/CY Haul	Total

\$720.00

SUB TOTAL

\$720

HAUL & STOCKPILE

STOCKPILE LOCATION

	SIZE	# of TRUCKS	CU. YDS.	RATE	COST
1. Wild Goose	3/4"-0"	6	2,320	\$6.32	\$14,662
2. Wild Goose	1-1/2"-0"	6	3,480	\$6.32	\$22,009
3. Wild Goose	4"-0"	6	4,060	\$6.32	\$25,677
4. Wild Bill Quarry	6"-0"	2	1,000	\$1.56	\$1,560
5.					
6.					

SUB TOTAL

\$63,909

TOTAL STOCKPILING COSTS

\$64,629

9) MISCELLANEOUS COSTS

DESCRIPTION	COST
Load, Haul, and Spread the reject material at the waste area.	\$1,619
\$4.16 /CY 389 CY	
Final Quarry Dev., Access Road Const., Waterbarring, Drainage, Block Quarry Access	\$2,822
Test Drilling (8 hours Hydraulic)	\$3,080

TOTAL MISCELLANEOUS COSTS

\$7,521

10) GRAND TOTAL:

\$320,442

\$/Cubic Yard

\$16.46

Footnotes:

HAUL and STOCKPILE COST

SALE NAME: Wild Gander
 QUARRY: Wild Bill Quarry , ROCK TYPE: Crushed

Location 1. Wild Goose 3/4"-0"	ONE WAY HAUL IN MILES						
	50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
		2.90	1.25	0.87	0.10	0.10	0.10
Truck type: <u>D12</u>	No. trucks: <u>2</u>						
Delay min.: <u>8</u>	Efficiency: <u>85%</u>	Ave haul: \$5.08 /cy					
		Load: \$0.20 /cy					
Truck type: <u>D12</u>	No. trucks: <u>4</u>	Stockpile: \$1.04 /cy					
Delay min.: <u>6</u>	Efficiency: <u>85%</u>						
Truck type: <u></u>	No. trucks: <u></u>	Production: cy/day = 1,085					
Delay min.: <u>5</u>	Efficiency: <u>85%</u>						
Location 1. Wild Goose		Haul and Stockpile Cost				\$6.32 /cy	

Location 2. Wild Goose 1-1/2"-0"	ONE WAY HAUL IN MILES						
	50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
		2.90	1.25	0.87	0.10	0.10	0.10
Truck type: <u>D20</u>	No. trucks: <u>2</u>						
Delay min.: <u>8</u>	Efficiency: <u>85%</u>	Ave haul: \$5.08 /cy					
		Load: \$0.20 /cy					
Truck type: <u>D12</u>	No. trucks: <u>4</u>	Stockpile: \$1.04 /cy					
Delay min.: <u>6</u>	Efficiency: <u>85%</u>						
Truck type: <u>D10</u>	No. trucks: <u></u>	Production: cy/day = 1,085					
Delay min.: <u>5</u>	Efficiency: <u>85%</u>						
Location 2. Wild Goose		Haul and Stockpile Cost				\$6.32 /cy	

Location 3. Wild Goose 4"-0"	ONE WAY HAUL IN MILES						
	50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
		2.90	1.25	0.87	0.10	0.10	0.10
Truck type: <u>D20</u>	No. trucks: <u>2</u>						
Delay min.: <u>8</u>	Efficiency: <u>85%</u>	Ave haul: \$5.08 /cy					
		Load: \$0.20 /cy					
Truck type: <u>D12</u>	No. trucks: <u>4</u>	Stockpile: \$1.04 /cy					
Delay min.: <u>6</u>	Efficiency: <u>85%</u>						
Truck type: <u>D10</u>	No. trucks: <u></u>	Production: cy/day = 1,085					
Delay min.: <u>5</u>	Efficiency: <u>85%</u>						
Location 3. Wild Goose		Haul and Stockpile Cost				\$6.32 /cy	

HAUL and STOCKPILE COST

Location 4. Wild Bill Quarry 6"-0"		ONE WAY HAUL IN MILES						
		50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
								0.01
Truck type:	D20	No. trucks:						
Delay min.:	8	Efficiency:	85%					Ave haul: \$0.96 /cy
								Load: \$0.40 /cy
Truck type:	D12	No. trucks:	2					Stockpile: \$0.20 /cy
Delay min.:	6	Efficiency:	85%					
Truck type:	D10	No. trucks:						Production: cy/day = 1,833
Delay min.:	5	Efficiency:	85%					
Location 4. Wild Bill Quarry		Haul & Stockpile Cost					\$1.56 /cy	

Location 5. 0		ONE WAY HAUL IN MILES						
		50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
								0.10
Truck type:	D20	No. trucks:	2					
Delay min.:	15	Efficiency:	75%					Ave haul: \$1.90 /cy
								Load: \$0.64 /cy
Truck type:	D12	No. trucks:						Stockpile: \$1.04 /cy
Delay min.:	12	Efficiency:	75%					
Truck type:	D10	No. trucks:						Production: cy/day = 1,054
Delay min.:	10	Efficiency:	75%					
Location 5. 0		Haul & Stockpile Cost					\$3.58 /cy	

Location 6. 0		ONE WAY HAUL IN MILES						
		50 MPH	30 MPH	25 MPH	20 MPH	15 MPH	10 MPH	5 MPH
					1.00	1.00		
Truck type:	D20	No. trucks:						
Delay min.:	15	Efficiency:	75%					Ave haul: #DIV/0! /cy
								Load: #N/A /cy
Truck type:	D12	No. trucks:						Stockpile: #N/A /cy
Delay min.:	12	Efficiency:	75%					
Truck type:	D10	No. trucks:						Production: cy/day = 0
Delay min.:	10	Efficiency:	75%					
Location 6. 0		Haul & Stockpile Cost					#DIV/0! /cy	

Wild Gander TIMBER CRUISE REPORT FY 2026

1. **Sale Area Location:** Portions of Section 36, T7N, R7W, and Sections 1, 2, and 11 of T6N, R7W, W.M., Clatsop County, Oregon.
2. **Fund Distribution:** BOF 100% CSL 0% **Tax Code:** 8-01 (94.35%) 30-05 (5.65%)
3. **Sale Acreage by Area:**

Unit	Harvest Type	Gross Acres	Stream Buffer Acres	Non-Stocked Area	Reserve Tree Area	Existing R/W Acres	New R/W	Net Acres	Survey Method
1	Clearcut	124	17	-	2	1	2	102	GIS
2	Clearcut	108	17	2	2	3	1	83	GIS
3	In-Unit R/W	3	-	-	-	-	-	3	LxW
3	Out of Unit R/W	5	-	2	-	-	-	3	GIS
TOTALS	-	240	34	4	4	4	3	191	

4. Cruisers and Cruise Dates: Avery Petersen, John Czarnecki, Ryan Simpson, Michele Huffman and Kevin Berry (11/12/2025 – 11/17/2025)

5. Cruise Method and Computation:

Unit 1: Unit 1 was variable plot cruised with a 54.45 BAF. A total of 42 plots were sampled on a six chain by four and a half chain spacing with a count to grade ratio of 2:1, resulting in 16 grade plots and 26 count plots.

Unit 2: Unit 2 was variable plot cruised with a 40 BAF. A total of 36 plots were sampled on a six and a half chain by four chain spacing with a count to grade ratio of 1:1, resulting in 18 grade plots and 18 count plots.

Unit 3 (R/W): Unit 3 is right-of-way consisting of approximately two acres in Unit 1 and one acre in Unit 2, including new in-unit spur roads and landings, and approximately three acres of quarry development right-of-way. The volume for the right-of-way was obtained from the cruise and is similar in description to Units 1 and 2.

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

UNIT	CRUISE	TRACT	TYPE	ACRES
1	WGANDER	U1	00CC	104
2	WGANDER	U2	00CC	84

6. Timber Description:

Unit 1: A clearcut with an average age of 72 years. The stand consists of Douglas-fir, western hemlock, and red alder. The average Douglas-fir is approximately 27 inches DBH and 101 feet to a merchantable top. The average western hemlock is approximately 20 inches DBH and 81 feet to a merchantable top. The average red alder is approximately 16 inches DBH and 50 feet to a merchantable top. Average net volume to be harvested per acre is 69 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 of which approximately 10 acres are 32 years in age and the remaining 74 acres have an average age of 78 years. The stand consists of Douglas-fir, western hemlock, and red alder. There is a minor component of western redcedar, however only one tree was sampled in the cruise. The average Douglas-fir is approximately 22 inches DBH and 82 feet to a merchantable top. The average western hemlock is approximately 15 inches DBH and 47 feet to a merchantable top. The average red alder is approximately 16 inches DBH and 57 feet to a merchantable top. Average net volume to be harvested per acre is 38 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 (R/W) is similar in description to the timber in Units 1 and 2. Average net volume to be harvested per acre is 59 MBF.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Type	Estimated CV	Target SE%	Actual CV	Actual SE%
U1	35%	9%	45.2%	7.0%
U2	25%	9%	34.8%	5.8%

8. Volumes by Species and Log Grade:

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

Conifer

Species	DBH	Net Vol.	SM	2 Saw	3 Saw*	4 Saw	% D & B	% Sale
Douglas-fir	25"	7,019	467	5,545	928	79	0.5	66%
western hemlock	18"	2,998	58	1,841	980	119	0.4	28%
TOTALS	--	10,017	525	7,386	1,908	198	--	--

*This sale includes approximately 226 MBF of 12"+ 3-saw Douglas-fir & approximately 50 MBF of 12"+ 3-saw western hemlock.

Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
red alder	16"	557	150	183	82	142	1.1	5%
TOTALS	--	557	150	183	82	142	--	--

TOTAL VOLUME	10,574
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9. Approvals:

Prepared by: Justin Bush

Date: 12/12/2025

Unit Forester Approval: 

Date: 1/22/2026

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

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Wild Gander

Unit 1

Harvest Type: Clearcut

Approx. Cruise Acres: 104 **Estimated CV%** 35 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 4,635 MBF **Estimated Sale Area Value/Acre:** \$18,000/Acre

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

(b) Sample 42 plots (16 grade/ 26 count); (c) Other goals (Determine "automark" thinning standards; X Determine log grades for sale value; Determine snag and leave tree species and sizes.

B. Cruise Design:

1. Plot Cruises: BAF: 54.45

Cruise Line Direction: 21°/201°

Cruise Line Spacing 6 (chains) 396 (Feet)

Cruise Plot Spacing 4.5 (chains) 297 (Feet)

Grade/Count Ratio 1:2

Take plots as marked on cruise map.

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

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

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

C. Tree Measurements:

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

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

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

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

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

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

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

6. Species, Sort, and Grade Codes:

A. Species: Record as D (Douglas-fir); H (Western hemlock); S (Sitka Spruce); C (Western red cedar); NF (Noble fir); GF (Grand fir); SF (Silver fir); A (Red alder); M (Bigleaf maple); SN (Snag). For "leave trees", add an "L" to the species code (such as DL, HL, CL, etc.).

B. Sort: Use code "1" (Domestic).

C. Grade: A = 1 Peeler; B = 2 Peeler; C = 3 Peeler; D = Special Mill; 2 = 2 Sawmill; 3 = 3 Sawmill; 4 = 4 Sawmill; R = Camp Run; 0 = Cull
Hardwoods: Alder Grades: 12" + = 1 Sawmill; 10"-12" = 2 Sawmill; 10"-8" = 3 Sawmill; and 8"-6" 4 Sawmill, or R = Camp Run; 0 = Cull.
All Maple Camp Run = R

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

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

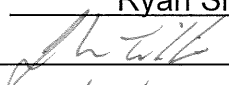
7. **Deductions**: Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally results in higher breakage percentages than gentler topography, and hemlock generally breaks more than D-fir and spruce.

8. **Standard Field Procedures: Plot Type Cruises**: Mark cruise line beginning and end points with blue/yellow flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie yellow flagging above eye level near plot center and another yellow flagging around a sturdy wooden stake marking plot center. On each yellow flagging, write the plot identification number. Between plots, along the cruise line, tie blue flagging at inter-visible points, not to exceed 100' apart. On "measure/grade" plots write the tree number and/or tree diameter on at least the first measured tree (clockwise from the line direction) in yellow paint. All trees on the plot may be marked this way, if the cruiser chooses.

9. **Cruising Equipment**: Relaskop, Rangefinder, Logger's Tape (with dbh on back), Compass, Allegro II Data Recorder, Cruise Design, Cruise Map, Yellow Flagging, Blue Flagging, Yellow Paint, Permanent Marker.

10. **Attachments**: A. Cruise Map (showing cruise unit boundaries, roads, streams, approx. acres/unit, cruise lines and plot locations, legal description and section lines, BAF or plot size, measure/count plot ratio, north arrow, and scale.

Cruise Design by: Ryan Simpson

Approved by: 

Date: 11/12/2025

TIMBER CRUISE MAP

OF TIMBER SALE
WILD GANDER
PORTIONS OF SECTIONS
2 & 11 OF T6N, R7W, W.M.,
CLATSOP COUNTY, OREGON
U1 Cruise

BAF: 54.45 Azimuth: 21°/201° N

Line Spacing: 6 ch. (396 ft)

Plot Spacing: 4.5 ch. (297 ft)

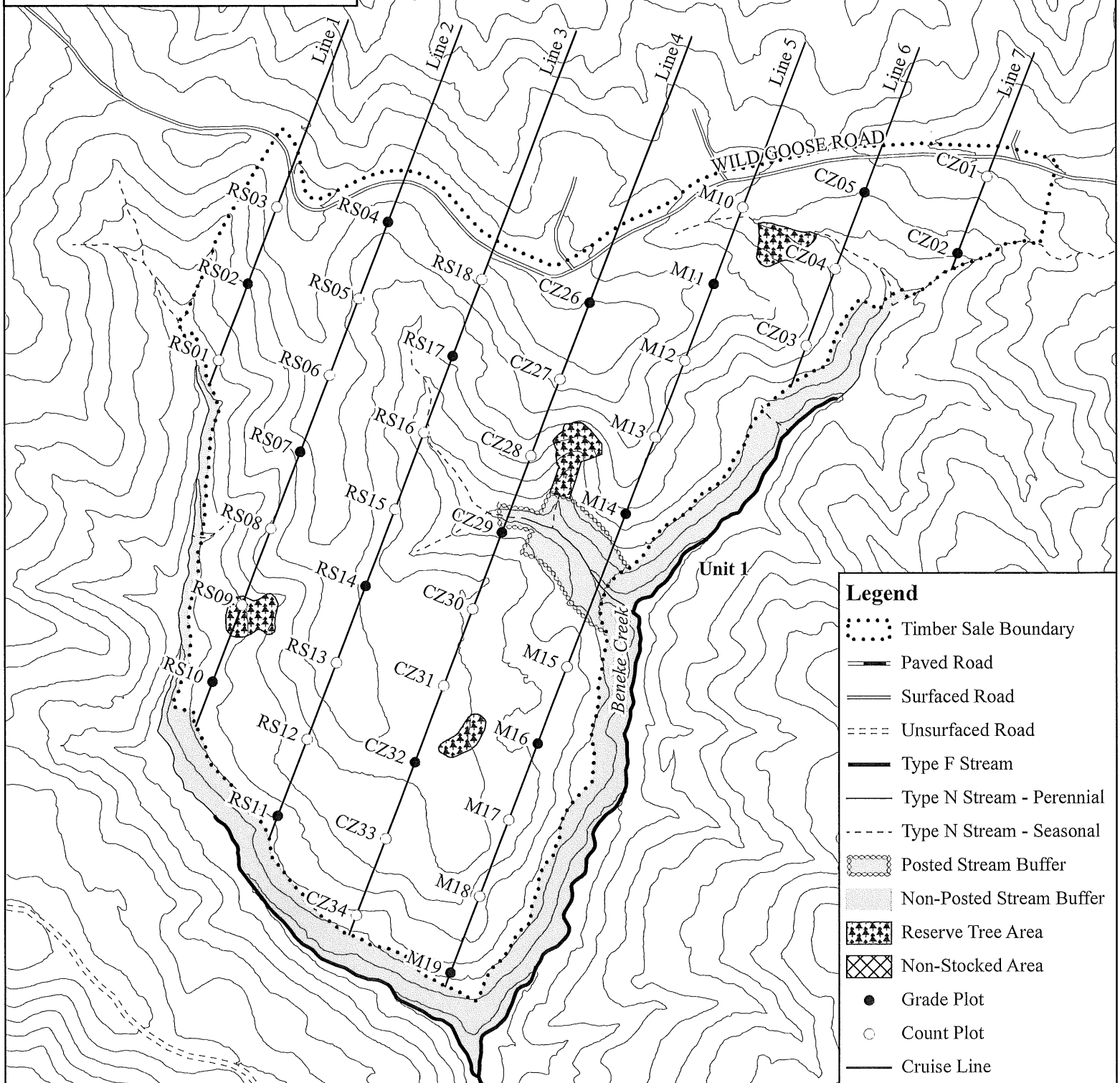
Count Plots: 26

Grade Plots: 16

Total Plots: 42

0 250 500 1,000 Feet

1 inch = 500 feet Contour = 40 feet



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Wild Gander

Unit 2

Harvest Type: Clearcut

Approx. Cruise Acres: 84 **Estimated CV%** 25 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 3,480 MBF **Estimated Sale Area Value/Acre:** \$16,000/Acre

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

(b) Sample 36 plots (18 grade/ 18 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: 158°/338°

Cruise Line Spacing 6.5 (chains) 429 (Feet)

Cruise Plot Spacing 4 (chains) 264 (Feet)

Grade/Count Ratio 1:1

Take plots as marked on cruise map.

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

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

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

C. Tree Measurements:

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

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

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

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

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

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

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

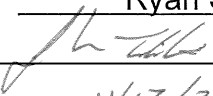
6. Species, Sort, and Grade Codes:

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

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

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

Cruise Design by: Ryan Simpson

Approved by: 

Date: 11/12/2025

TIMBER CRUISE MAP

OF TIMBER SALE
WILD GANDER
PORTIONS OF SECTION 1
OF T6N, R7W, W.M., AND
PORTIONS OF SECTION 36
OF T7N, R7W, W.M.,
CLATSOP COUNTY, OREGON
U2 Cruise

BAF: 40 Azimuth: 158°/338° N

Line Spacing: 6.5 ch. (429 ft)

Plot Spacing: 4 ch. (264 ft)

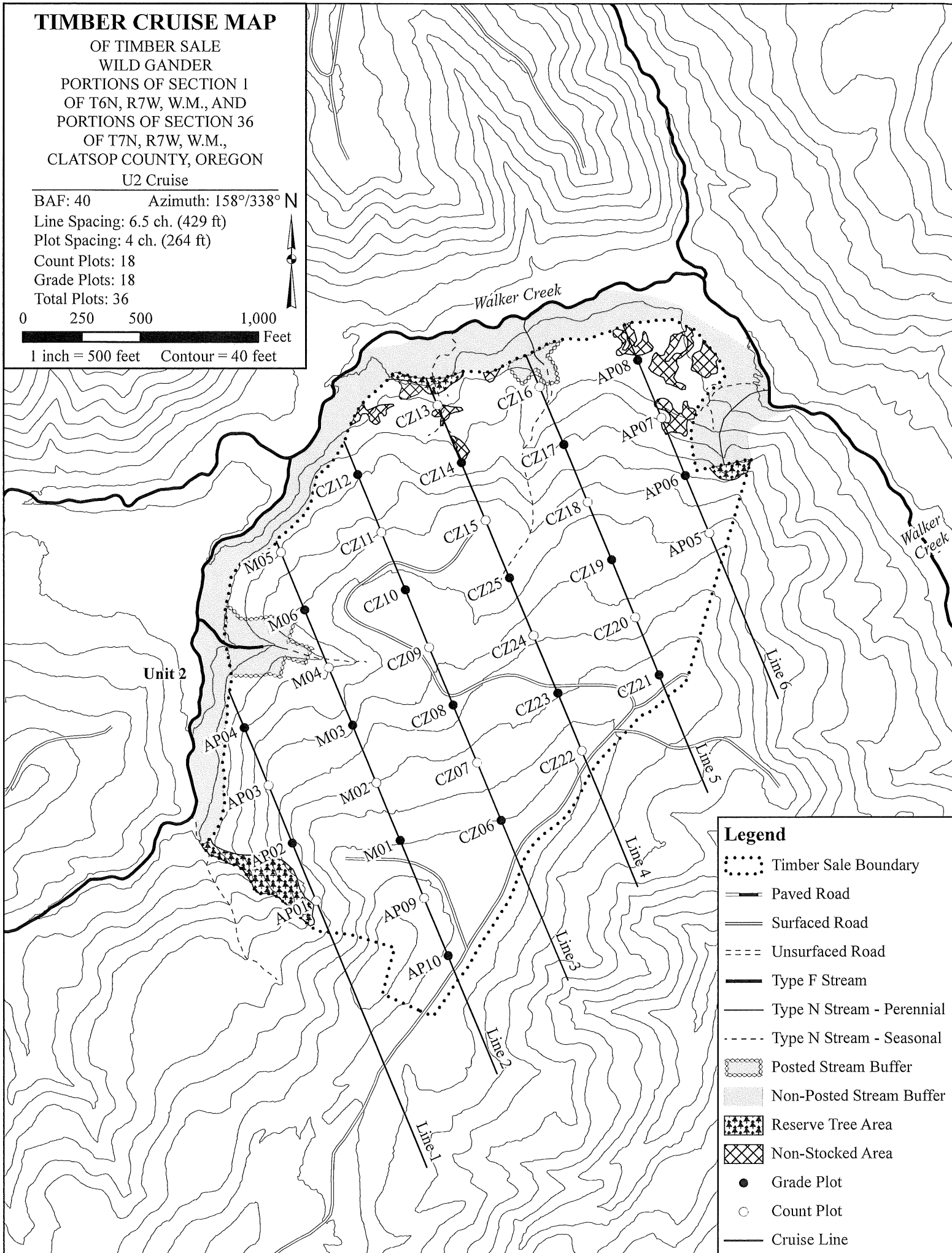
Count Plots: 18

Grade Plots: 18

Total Plots: 36

0 250 500 1,000 Feet

1 inch = 500 feet Contour = 40 feet



Legend

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

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC				Project:		WGANDER										Page		1			
				Acres		191.00										Date		12/12/2025			
																Time		8:46:32AM			
S Spp	So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre		
		Def%	Gross	Net	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf					
					4-5		6-11	12-16	17+	12-20	21-30	31-35					36-99				
A	DOCU															12	15		0.00		.7
A	DO1S	26	.6	791	786	150			100				15		85	38	13	221	1.62		3.6
A	DO2S	33		956	956	183		100				17	16		67	31	11	126	1.06		7.6
A	DO3S	15	3.7	444	428	82		100				2			98	38	9	100	0.99		4.3
A	DO4S	26	1.4	757	746	142		100				13	46	22	19	27	6	39	0.56		18.9
A Totals		5	1.1	2,948	2,915	557		73	27			9	21	6	64	30	8	83	0.87		35.0
D	DOCU															6	20		0.00		3.2
D	DO2S	79	.6	29,222	29,032	5,545			25	75		0	2	3	94	38	17	506	2.73		57.4
D	DO3S	13	.1	4,864	4,860	928		76	7	18		5	7	16	72	35	9	115	0.91		42.3
D	DO4S	1	1.8	420	412	79		100				46	54			22	7	33	0.50		12.6
D	DOSM	7		2,444	2,444	467			26	74					100	40	19	626	3.15		3.9
D Totals		66	.5	36,950	36,748	7,019		11	22	67		1	3	5	91	34	13	308	1.94		119.3
H	DOCU															6	30		0.00		.8
H	DO2S	61		9,639	9,639	1,841		2	37	61		2	5	3	90	37	16	404	2.40		23.9
H	DO3S	33	1.4	5,204	5,133	980		95	5			2	6	9	84	37	9	107	0.82		48.1
H	DO4S	4		621	621	119		100				89	11			18	6	23	0.43		27.3
H	DOSM	2		306	306	58			100						100	40	16	400	2.18		.8
H Totals		28	.4	15,770	15,700	2,998 2,999		36	26	37		6	6	5	84	31	10	156	1.21		100.8
CL	DO3S	100		1	1	0		100							100	40	9	120	1.35		.0
CL Totals		0		1	1	0		100							100	40	9	120	1.35		.0
Totals			0.5	55,669	55,363	10,574		21	24	55		3	5	5	87	33	11	217	1.53		255.1

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page 1						
		Project: WGANDER												Date	12/1/2025					
														Time	11:37:02AM					
T06N R07W S01 T00CC										T06N R07W S01 T00CC										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt											
06N	07W	01	U1 TAKE	00CC	102.00	42	92	1	W											
S So Gr T rt ad Spp			% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre	
								Log Scale Dia.				Log Length				Ln	Dia	Bd		CF/ Lf
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft		
D	DO	CU														6	20		0.00	5.7
D	DO	2S	79	.6	34,978	34,785	3,548			22	78	1	2	5	92	38	17	514	2.80	67.7
D	DO	3S	12		5,619	5,619	573		62	11	27	6	7	13	74	34	10	139	1.05	40.5
D	DO	4S	2	2.5	543	530	54		100			43	57			22	7	34	0.51	15.4
D	DO	SM	7		3,001	3,001	306			38	62				100	40	19	611	3.05	4.9
D Totals			63	.5	44,142	43,935	4,481		9	21	69	2	3	6	89	34	14	327	2.08	134.2
H	DO	CU														6	30		0.00	1.4
H	DO	2S	64		14,371	14,371	1,466		2	36	62	3	5	3	90	37	16	407	2.41	35.3
H	DO	3S	30	1.7	7,055	6,937	708		93	7		2	7	6	85	36	9	110	0.82	63.3
H	DO	4S	3		592	592	60		100			100				17	6	22	0.42	27.5
H	DO	SM	3		551	551	56			100					100	40	16	400	2.18	1.4
H Totals			32	.5	22,570	22,451	2,290		33	27	40	5	6	4	86	32	11	174	1.29	128.9
A	DO	CU														12	15		0.00	1.2
A	DO	1S	38		1,124	1,124	115			100			19		81	38	13	216	1.55	5.2
A	DO	2S	23		671	671	68		100			44	21		35	25	11	102	1.04	6.6
A	DO	3S	7	3.9	222	213	22		100						100	40	8	98	1.18	2.2
A	DO	4S	32	2.1	930	910	93		100			4	54	27	15	29	7	45	0.60	20.2
A Totals			4	1.0	2,947	2,919	298		61	39		11	29	8	51	30	9	83	0.89	35.4
Type Totals				.5	69,659	69,306	7,069		19	24	57	3	5	5	87	32	12	232	1.62	298.4

T TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1									
		Project: WGANDER										Date	12/1/2025								
												Time	11:37:24AM								
T06N R07W S01 T00CC										T06N R07W S01 T00CC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
06N	07W	01	U2_TAKE	00CC	83.00	36	87	1	W												
S So Gr T rt ad Spp		% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log		Logs Per /Acre				
		Def%	Gross	Net	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf					
					4-5		6-11	12-16	17+	12-20	21-30	31-35						36-99			
D	DO	2S	78	.8	22,044	21,858	1,814			30	70		2		98	39	17	491	2.60	44.5	
D	DO	3S	14	.3	3,923	3,913	325		100				2	8	22	67	35	8	88	0.76	44.4
D	DO	4S	1		266	266	22		100				53	47			21	7	29	0.46	9.0
D	DO	SM	7		1,748	1,748	145				100				100		40	20	663	3.39	2.6
D Totals		73	.7	27,981	27,785	2,306		15	24	61		1	3	3	93	36	12	276	1.71	100.6	
H	DO	2S	51		3,737	3,737	310			44	56		2	5	3	89	36	16	390	2.33	9.6
H	DO	3S	39	.4	2,896	2,884	239		100					2	17	82	38	8	99	0.84	29.2
H	DO	4S	10		658	658	55		100				76	24			19	6	24	0.44	27.2
H Totals		19	.2	7,291	7,279	604		49	22	29		8	5	8	78	30	9	110	1.00	65.9	
A	DO	1S	12	3.1	376	365	30			100					100	39	13	247	1.92	1.5	
A	DO	2S	45		1,310	1,310	109		100					13		87	37	10	149	1.08	8.8
A	DO	3S	24	3.7	721	695	58		100				2			98	37	9	101	0.91	6.9
A	DO	4S	19		541	541	45		100				33	28	12	28	24	6	31	0.48	17.3
A Totals		8	1.3	2,949	2,910	242		87	13			7	11	2	80	30	8	84	0.85	34.4	
Type Totals			.6	38,221	37,975	3,152		27	23	50		3	4	4	89	33	10	189	1.36	201.0	

Species, Sort Grade - Board Foot Volumes (Project)

T06N R07W S01 Ty00CC 4.00
T06N R07W S01 Ty00CC 2.00

U3 - R/W

Project: WGANDER

Acres 6.00

Page 1
Date 12/12/2025
Time 8:48:46AM

Spp	So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre			
							Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf				
							4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99								
A	DOCU																12	15			0.00	.8
A	DO1S	29	.4	875	871	5			100				17		83		38	13	219	1.59		4.0
A	DO2S	31		884	884	5		100				22	17		61		30	11	121	1.06		7.3
A	DO3S	13	3.8	388	374	2		100				2			98		38	9	100	1.02		3.8
A	DO4S	27	1.6	800	787	5		100				10	48	24	18		28	7	41	0.57		19.2
A Totals		5	1.1	2,948	2,916	17		70	30			10	23	6	61		30	8	83	0.87		35.1
																	6	20			0.00	3.8
D	DOCU																38	17	508	2.75		59.9
D	DO2S	79	.6	30,667	30,476	183			24	76		0	2	4	94		35	9	121	0.94		41.8
D	DO3S	13	.1	5,054	5,050	30		72	8	20		5	7	15	72		22	7	33	0.50		13.3
D	DO4S	1	2.0	451	442	3		100				45	55				40	19	622	3.12		4.2
D	DOSM	7		2,584	2,584	16			30	70					100							
D Totals		65	.5	38,755	38,552	231		11	22	67		1	3	5	90		34	13	313	1.98		123.0
																	6	30			0.00	.9
H	DOCU																37	16	405	2.41		26.7
H	DO2S	62		10,827	10,827	65		2	37	61		2	5	3	90		37	9	108	0.82		51.9
H	DO3S	32	1.5	5,669	5,586	34		94	6			2	6	8	84		18	6	22	0.43		27.4
H	DO4S	3		614	614	4		100				91	9				40	16	400	2.18		.9
H	DOSM	3		368	368	2			100						100							
H Totals		30	.5	17,477	17,394	104		35	27	38		5	6	4	85		32	10	161	1.24		107.9
CL	DO3S	100		18	18	0		100							100		40	9	120	1.35		.2
CL Totals		0		18	18	0		100							100		40	9	120	1.35		.2
Totals			0.5	59,198	58,881	353		21	24	55		3	5	5	87		33	11	221	1.55		266.1

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT	WGANDER			DATE	12/1/2025		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
06N	07W	01	U1	00CC	104.00	42	259	1	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
TOTAL		42	259	6.2							
CRUISE		16	96	6.0	13,229	.7					
DBH COUNT											
REFOREST											
COUNT		26	162	6.2							
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR		46	46.1	26.9	101	35.0	181.5	44,142	43,935	9,386	9,386
WHEMLOCK		31	52.7	19.8	81	25.3	112.8	22,570	22,451	5,339	5,339
R ALDER		15	22.4	16.0	50	7.8	31.1	2,947	2,919	936	936
SNAG		4	6.0	17.8	64	2.5	10.4				
TOTAL		96	127.2	22.0	82	71.6	335.8	69,659	69,306	15,662	15,662
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		60.2	8.9	1,291	1,416	1,542					
WHEMLOCK		68.1	12.2	624	710	797					
R ALDER		57.3	15.3	129	152	175					
SNAG											
TOTAL		88.6	9.0	848	932	1,016	313	78	35		
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		53.5	7.9	268	290	313					
WHEMLOCK		60.6	10.9	143	161	179					
R ALDER		48.0	12.8	42	48	55					
SNAG											
TOTAL		78.4	8.0	183	199	215	245	61	27		
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		80.2	12.4	40	46	52					
WHEMLOCK		125.8	19.4	42	53	63					
R ALDER		177.6	27.4	16	22	28					
SNAG		280.5	43.2	3	6	9					
TOTAL		49.2	7.6	118	127	137	96	24	11		
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		71.3	11.0	162	182	201					
WHEMLOCK		95.6	14.7	96	113	129					
R ALDER		169.1	26.1	23	31	39					
SNAG		265.4	40.9	6	10	15					
TOTAL		39.2	6.0	315	336	356	61	15	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		
DOUG FIR		70.1	10.8	39,186	43,935	48,684					
WHEMLOCK		95.9	14.8	19,134	22,451	25,769					
R ALDER		175.4	27.0	2,130	2,919	3,708					
SNAG											
TOTAL		45.2	7.0	64,480	69,306	74,131	81	20	9		

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	WGANDER			DATE	12/1/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	07W	01	U1	00CC	104.00	42	259	1	W
CL: 68.1%				NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15

TC TSTATS				STATISTICS				PAGE	1											
				PROJECT				DATE	12/1/2025											
				WGANDER																
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt											
06N	07W	01	U2	00CC	84.00	36	188	1	W											
				TREES	ESTIMATED	PERCENT														
				PER PLOT	TOTAL	SAMPLE														
					TREES	TREES														
PLOTS		TREES																		
TOTAL	36	188	5.2																	
CRUISE	18	91	5.1	9,534	1.0															
DBH COUNT																				
REFOREST																				
COUNT	18	97	5.4																	
BLANKS																				
100 %																				
STAND SUMMARY																				
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET										
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC										
DOUG FIR	53	45.6	22.0	82	25.6	120.0	27,981	27,785	6,180	6,180										
WHEMLOCK	21	44.1	15.2	47	14.3	55.6	7,291	7,279	1,972	1,972										
R ALDER	13	19.1	15.7	57	6.5	25.6	2,949	2,910	890	890										
SNAG	3	4.2	17.1	36	1.6	6.7														
CEDLEAV	1	.5	21.0	48	0.2	1.1	55	55	25	25										
TOTAL	91	113.5	18.4	62	48.7	208.9	38,276	38,030	9,068	9,068										
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	62.6	8.6	982	1,075	1,167															
WHEMLOCK	118.4	26.5	260	354	447															
R ALDER	44.1	12.7	148	170	192															
SNAG																				
CEDLEAV																				
TOTAL	93.6	9.8	661	733	805	350	87	39												
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	53.7	7.4	213	230	246															
WHEMLOCK	97.5	21.8	68	87	106															
R ALDER	40.4	11.6	46	52	58															
SNAG																				
CEDLEAV																				
TOTAL	81.0	8.5	148	162	176	262	65	29												
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.											
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15												
DOUG FIR	97.9	16.3	38	46	53															
WHEMLOCK	147.3	24.5	33	44	55															
R ALDER	204.6	34.1	13	19	26															
SNAG	270.5	45.0	2	4	6															
CEDLEAV	600.0	99.9	0	0	1															
TOTAL	73.1	12.2	100	113	127	213	53	24												
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	45.8	7.6	111	120	129															
WHEMLOCK	134.7	22.4	43	56	68															
R ALDER	205.5	34.2	17	26	34															
SNAG	268.3	44.7	4	7	10															
CEDLEAV	600.0	99.9	0	1	2															
TOTAL	38.9	6.5	195	209	222	60	15	7												

TC TSTATS				STATISTICS				PAGE	2
				PROJECT		WGANDER		DATE	12/1/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	07W	01	U2	00CC	84.00	36	188	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		46.0	7.7	25,658	27,785	29,912			
WHEMLOCK		134.0	22.3	5,656	7,279	8,903			
R ALDER		213.7	35.6	1,875	2,910	3,946			
SNAG									
CEDLEAV		600.0	99.9	0	55	111			
TOTAL		34.8	5.8	35,826	38,030	40,235	48	12	5

TC TSTATS				STATISTICS				PAGE	1																
				PROJECT	WGANDER			DATE	12/1/2025																
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt																
06N	07W	01	U1 TAKE	00CC	102.00	42	251	1	W																
				TREES	ESTIMATED	PERCENT																			
				PER PLOT	TOTAL	SAMPLE																			
					TREES	TREES																			
PLOTS		TREES																							
TOTAL	42	251	6.0																						
CRUISE	16	92	5.8	12,359	.7																				
DBH COUNT																									
REFOREST																									
COUNT	26	159	6.1																						
BLANKS																									
100 %																									
STAND SUMMARY																									
SAMPLE		TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET															
TREES		/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC															
DOUG FIR	46	46.1	26.9	101	35.0	181.5	44,142	43,935	9,386	9,386															
WHEMLOCK	31	52.7	19.8	81	25.3	112.8	22,570	22,451	5,339	5,339															
R ALDER	15	22.4	16.0	50	7.8	31.1	2,947	2,919	936	936															
TOTAL	92	121.2	22.2	83	69.1	325.4	69,659	69,306	15,662	15,662															
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	60.2	8.9	1,291	1,416	1,542																				
WHEMLOCK	68.1	12.2	624	710	797																				
R ALDER	57.3	15.3	129	152	175																				
TOTAL	84.3	8.8	887	972	1,058	284	71	32																	
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	53.5	7.9	268	290	313																				
WHEMLOCK	60.6	10.9	143	161	179																				
R ALDER	48.0	12.8	42	48	55																				
TOTAL	74.0	7.7	191	207	223	218	55	24																	
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	80.2	12.4	40	46	52																				
WHEMLOCK	125.8	19.4	42	53	63																				
R ALDER	177.6	27.4	16	22	28																				
TOTAL	51.3	7.9	112	121	131	105	26	12																	
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	71.3	11.0	162	182	201																				
WHEMLOCK	95.6	14.7	96	113	129																				
R ALDER	169.1	26.1	23	31	39																				
TOTAL	40.2	6.2	305	325	346	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																
DOUG FIR	70.1	10.8	39,186	43,935	48,684																				
WHEMLOCK	95.9	14.8	19,134	22,451	25,769																				
R ALDER	175.4	27.0	2,130	2,919	3,708																				
TOTAL	45.2	7.0	64,480	69,306	74,131	81	20	9																	

TC TSTATS				STATISTICS				PAGE 1		
				PROJECT WGANDER				DATE 12/1/2025		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
06N	07W	01	U2 TAKE	00CC	83.00	36	181	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		36	181	5.0						
CRUISE		18	87	4.8	9,033		1.0			
DBH COUNT										
REFOREST										
COUNT		18	94	5.2						
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR	53	45.6	22.0	82	25.6	120.0	27,981	27,785	6,180	6,180
WHEMLOCK	21	44.1	15.2	47	14.3	55.6	7,291	7,279	1,972	1,972
R ALDER	13	19.1	15.7	57	6.5	25.6	2,949	2,910	890	890
TOTAL	87	108.8	18.4	63	46.9	201.1	38,221	37,975	9,043	9,043
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	62.6	8.6	982	1,075	1,167					
WHEMLOCK	118.4	26.5	260	354	447					
R ALDER	44.1	12.7	148	170	192					
TOTAL	89.4	9.6	692	766	839		319	80	35	
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	53.7	7.4	213	230	246					
WHEMLOCK	97.5	21.8	68	87	106					
R ALDER	40.4	11.6	46	52	58					
TOTAL	77.0	8.3	155	169	183		237	59	26	
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	97.9	16.3	38	46	53					
WHEMLOCK	147.3	24.5	33	44	55					
R ALDER	204.6	34.1	13	19	26					
TOTAL	77.9	13.0	95	109	123		242	61	27	
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	45.8	7.6	111	120	129					
WHEMLOCK	134.7	22.4	43	56	68					
R ALDER	205.5	34.2	17	26	34					
TOTAL	41.0	6.8	187	201	215		67	17	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	
DOUG FIR	46.0	7.7	25,658	27,785	29,912					
WHEMLOCK	134.0	22.3	5,656	7,279	8,903					
R ALDER	213.7	35.6	1,875	2,910	3,946					
TOTAL	34.9	5.8	35,770	37,975	40,179		49	12	5	

TC PSTATS		U3-R/W		PROJECT STATISTICS				PAGE 1			
				PROJECT WGANDER				DATE 12/12/2025			
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt	
06N	07	01	U1_R/W	00CC		6.00	78	447	1	W	
06N	07W	01	U2_R/W	00CC							
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			78	447	5.7						
CRUISE			34	187	5.5	736	25.4				
DBH COUNT											
REFOREST											
COUNT			44	259	5.9						
BLANKS											
100 %											
STAND SUMMARY											
		SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR		99	46.0	25.3	95	32.0	161.0	38,755	38,552	8,318	8,318
WHEMLOCK		52	49.8	18.6	71	21.7	93.7	17,477	17,394	4,217	4,217
R ALDER		28	21.3	15.9	52	7.3	29.3	2,948	2,916	921	921
SNAG		7	5.4	17.6	57	2.2	9.1				
CEDLEAV		1	.2	21.0	48	0.1	.4	18	18	8	8
TOTAL		187	122.6	20.9	76	64.1	293.5	59,198	58,881	13,464	13,464
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		62.9	6.3	1,155	1,233	1,311					
WHEMLOCK		86.1	11.9	499	566	634					
R ALDER		50.3	9.7	145	160	176					
SNAG											
CEDLEAV											
TOTAL		91.6	6.7	779	835	891	335	84	37		
CL	68.1	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR		54.9	5.5	244	258	272					
WHEMLOCK		75.4	10.4	117	131	145					
R ALDER		43.7	8.4	46	50	54					
SNAG											
CEDLEAV											
TOTAL		80.2	5.9	170	181	191	257	64	29		
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		90.7	10.3	41	46	51					
WHEMLOCK		140.0	15.8	42	50	58					
R ALDER		193.7	21.9	17	21	26					
SNAG		302.7	34.2	4	5	7					
CEDLEAV		883.2	99.9	0	0	0					
TOTAL		64.5	7.3	114	123	132	166	42	18		
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		86.0	9.7	145	161	177					
WHEMLOCK		123.1	13.9	81	94	107					
R ALDER		187.6	21.2	23	29	35					
SNAG		291.7	33.0	6	9	12					
CEDLEAV		883.2	99.9	0	0	1					
TOTAL		62.3	7.0	273	293	314	155	39	17		

U3_R/W

PROJECT STATISTICS
PROJECT WGANDER

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	07	01	U1_R/W	00CC	6.00	78	447	1	W
06N	07W	01	U2_R/W	00CC					

CL	68.1	COEFF	NET BF/ACRE			# OF PLOTS REQ.	INE. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10 15
DOUG FIR		86.4	9.8	34,783	38,552	42,321	
WHEMLOCK		132.2	15.0	14,793	17,394	19,995	
R ALDER		191.3	21.6	2,285	2,916	3,547	
SNAG							
CEDLEAV		883.2	99.9	0	18	37	
TOTAL		70.0	7.9	54,219	58,881	63,542	196 49 22

PROJECT STATISTICS						PAGE 1						
PROJECT WGANDER						DATE 12/12/2025						
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
06N 06N	07 07W	01 01	U1_R/W U2_TAKE	00CC 00CC	THR	191.00	156	879	1	W		
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			156	879	5.6							
CRUISE			68	366	5.4	22,128	1.7					
DBH COUNT												
REFOREST												
COUNT			88	512	5.8							
BLANKS												
100 %												
STAND SUMMARY												
			SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR			198	45.9	24.8	93	30.9	154.1	36,950	36,748	7,960	7,960
WHEMLOCK			104	48.9	18.1	67	20.5	87.3	15,770	15,700	3,841	3,841
R ALDER			56	20.9	15.8	53	7.2	28.6	2,948	2,915	916	916
SNAG			7	.2	17.6	57	0.1	.3				
CEDLEAV			1	.0	21.0	48	0.0	.0	1	1	0	0
TOTAL			366	115.9	20.7	75	59.4	270.4	55,669	55,363	12,716	12,716
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			62.8	4.5	1,178	1,233	1,288					
WHEMLOCK			85.6	8.4	519	566	614					
R ALDER			49.9	6.7	150	160	171					
SNAG												
CEDLEAV												
TOTAL			89.4	4.7	813	853	893		319	80	35	
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR			54.8	3.9	248	258	268					
WHEMLOCK			75.0	7.3	122	131	141					
R ALDER			43.4	5.8	47	50	53					
SNAG												
CEDLEAV												
TOTAL			78.1	4.1	177	185	192		243	61	27	
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			152.4	12.2	40	46	51					
WHEMLOCK			205.9	16.5	41	49	57					
R ALDER			273.1	21.8	16	21	25					
SNAG			438.3	35.1	0	0	0					
CEDLEAV			1249.0	99.9	0	0	0					
TOTAL			127.2	10.2	104	116	128		646	161	72	
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			134.5	10.8	138	154	171					
WHEMLOCK			181.3	14.5	75	87	100					
R ALDER			266.8	21.3	23	29	35					
SNAG			423.3	33.9	0	0	0					
CEDLEAV			1249.0	99.9	0	0	0					
TOTAL			114.7	9.2	246	270	295		525	131	58	

PROJECT STATISTICS

PROJECT WGANDER

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
06N	07	01	U1_R/W	00CC	THR	191.00	156	879	1	W
06N	07W	01	U2_TAKE	00CC						

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		134.9	10.8	32,782	36,748	40,714			
WHEMLOCK		190.3	15.2	13,309	15,700	18,090			
R ALDER		278.3	22.3	2,266	2,915	3,564			
SNAG									
CEDLEAV		1249.0	99.9	0	1	1			
TOTAL		119.7	9.6	50,061	55,363	60,666	572	143	64

TC PLOGSTVB				Log Stock Table - MBF																
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC					Project: WGANDER										Page 1					
					Acres 191.00										Date 12/12/2025					
															Time 8:46:50AM					
Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
									2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
A		DO	1S	28	23		23	4.1						23						
A		DO	1S	38	17	5.9	16	2.8						16						
A		DO	1S	40	112		112	20.0					112							
A		DO	2S	20	31		31	5.6					31							
A		DO	2S	26	15		15	2.7					15							
A		DO	2S	28	15		15	2.7					15							
A		DO	2S	36	47		47	8.5					47							
A		DO	2S	40	74		74	13.4					74							
A		DO	3S	16	1		1	.3				1								
A		DO	3S	38	17		17	3.1				17								
A		DO	3S	40	66	4.8	63	11.3				63								
A		DO	4S	12	1		1	.2				1								
A		DO	4S	16	11		11	1.9				11								
A		DO	4S	20	7		7	1.2				7								
A		DO	4S	26	37		37	6.6				37								
A		DO	4S	28	30	6.8	28	5.0				28								
A		DO	4S	32	5		5	1.0				5								
A		DO	4S	34	26		26	4.7				26								
A		DO	4S	40	27		27	4.9				27								
A		Totals			563	1.1	557	5.3			142	82	183	112	39					
D		DO	2S	16	9		9	.1					9							
D		DO	2S	20	11		11	.2					11							
D		DO	2S	24	81		81	1.2					12	17	44	8				
D		DO	2S	30	34		34	.5					34							
D		DO	2S	32	184		184	2.6					55	40	34	56				
D		DO	2S	36	44		44	.6					9	23	12					
D		DO	2S	38	54		54	.8							54					
D		DO	2S	40	5,164		5,127	73.1					427	586	1253	1505	1325	32		
D		DO	3S	16	5		5	.1					5							
D		DO	3S	18	15		15	.2					10	5						
D		DO	3S	20	23		23	.3				9	7	7						
D		DO	3S	24	5		5	.1				5								
D		DO	3S	26	38		38	.5				5	33							
D		DO	3S	28	6		6	.1				6								
D		DO	3S	30	19		19	.3				8	11							
D		DO	3S	32	117		117	1.7				25	54	29	9					

TC PLOGSTVB				Log Stock Table - MBF																
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC				Project: WGANDER										Page 2						
				Acres 191.00										Date 12/12/2025						
														Time 8:46:50AM						
S T Spp	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches												
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+	
D	DO	3S	34	34		34	.5			22	8	4								
D	DO	3S	36	65		65	.9			39	12	4	10							
D	DO	3S	38	20		20	.3				4	16								
D	DO	3S	40	581		580	8.3			54	144	188	32		26		137			
D	DO	4S	12	1		1	.0					1								
D	DO	4S	14	1		1	.0			1										
D	DO	4S	16	15		15	.2			11	4									
D	DO	4S	18	7		7	.1				7									
D	DO	4S	20	11		11	.2			4	7									
D	DO	4S	24	16		16	.2			11	5									
D	DO	4S	26	4		4	.1			4										
D	DO	4S	28	7	20.0	6	.1			6										
D	DO	4S	30	17		17	.2			17										
D	DO	SM	40	467		467	6.7								236	61	100	70		
D	Totals			7,057		7,019	66.4			203	282	297	620	665	1660	1630	1561	102		
H	DO	2S	12	23		23	.8										23			
H	DO	2S	16	4		4	.1					4								
H	DO	2S	20	19		19	.6					19								
H	DO	2S	24	41		41	1.4							19	22					
H	DO	2S	26	16		16	.5								16					
H	DO	2S	28	22		22	.7								22					
H	DO	2S	30	17		17	.6						17							
H	DO	2S	32	52		52	1.7						29		23					
H	DO	2S	36	23		23	.8						23							
H	DO	2S	40	1,625		1,625	54.2					32	153	265	574	483	118			
H	DO	3S	16	5		5	.2					5								
H	DO	3S	20	10		10	.3				5	5								
H	DO	3S	24	39		39	1.3				24	15								
H	DO	3S	26	12		12	.4					12								
H	DO	3S	28	7		7	.2			7										
H	DO	3S	32	85	1.1	84	2.8				43	20		22						
H	DO	3S	36	81		81	2.7			81										
H	DO	3S	40	753	1.7	741	24.7			93	159	460			28					
H	DO	4S	12	6		6	.2			6										
H	DO	4S	14	6		6	.2			6										
H	DO	4S	16	51		51	1.7			38	14									

TC PLOGSTVB				Log Stock Table - MBF															
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC				Project: WGANDER Acres 191.00												Page 3 Date 12/12/2025 Time 8:46:50AM			
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	4S	18	10		10	.3			10									
H	DO	4S	20	32		32	1.1			32									
H	DO	4S	24	2		2	.1			2									
H	DO	4S	26	12		12	.4			12									
H	DO	SM	40	58		58	1.9						58						
H	Totals			3,012		2,999	28.4			287	245	549	245	306	743	483	140		
CL	DO	3S	40	0		0	100.0			0									
CL	Totals			0		0	.0			0									
Total	All Species			10,633		10,574	100.0			632	609	1028	976	1010	2403	2113	1702	102	

TC		PSTNDSUM		Stand Table Summary										Page		1	
														Date:		12/12/2025	
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC				Project		WGANDER						Time:		8:47:07AM			
				Acres		191.00						Grown Year:					
S Spe	T	Tot			Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals				
		Sample DBH	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF		
D		9	4	85	71	4.562	2.02	4.56	12.5	55.0		57	251		109	48	
D		11	2	86	53	1.527	1.01	1.53	14.0	50.0		21	76		41	15	
D		14	4	82	65	1.885	2.02	1.89	29.0	70.0		55	132		104	25	
D		15	2	86	103	1.784	2.19	3.57	22.5	80.0		80	285		153	55	
D		16	2	85	117	1.568	2.19	3.14	28.0	105.0		88	329		168	63	
D		17	4	85	149	2.028	3.20	6.09	29.8	116.7		181	710		346	136	
D		18	2	86	109	1.239	2.19	2.48	32.5	125.0		81	310		154	59	
D		19	4	83	125	2.224	4.38	4.45	39.8	160.0		177	712		338	136	
D		20	10	87	124	2.851	6.22	8.09	36.8	140.7		298	1,138		569	217	
D		21	4	85	103	.838	2.02	2.09	39.2	148.0		82	310		157	59	
D		22	6	86	125	2.041	5.39	5.29	48.4	187.1		256	990		489	189	
D		23	8	86	112	2.216	6.39	5.89	48.1	186.5		283	1,099		541	210	
D		24	2	88	132	.697	2.19	2.09	53.7	233.3		112	488		214	93	
D		25	10	86	149	1.825	6.22	5.47	61.3	255.8		335	1,401		641	268	
D		26	8	88	141	2.055	7.58	6.17	63.9	287.2		394	1,770		752	338	
D		27	10	87	151	1.267	5.04	4.05	70.4	323.1		286	1,310		545	250	
D		28	6	85	148	.707	3.02	2.12	78.2	354.4		166	752		317	144	
D		29	18	85	144	3.266	14.98	10.27	75.8	342.2		779	3,516		1,488	672	
D		30	8	86	142	1.062	5.21	3.19	87.7	405.6		279	1,292		533	247	
D		31	6	88	160	.802	4.20	3.02	84.3	433.1		254	1,306		486	250	
D		32	16	88	148	1.655	9.24	5.15	100.1	490.2		515	2,522		984	482	
D		33	10	87	150	1.445	8.58	4.70	101.0	496.5		475	2,336		907	446	
D		34	14	85	153	1.869	11.78	5.95	107.2	527.7		638	3,141		1,218	600	
D		35	2	85	159	.151	1.01	.45	128.3	643.3		58	291		111	56	
D		36	6	86	156	.595	4.20	1.78	131.8	653.6		235	1,166		449	223	
D		37	6	86	142	.880	6.57	2.64	132.2	654.4		349	1,727		667	330	
D		38	2	85	165	.278	2.19	1.11	116.5	627.5		130	698		247	133	
D		39	10	85	158	1.320	10.95	4.49	139.1	715.3		624	3,210		1,192	613	
D		40	4	85	168	.502	4.38	2.01	130.5	695.0		262	1,395		500	266	
D		41	2	83	148	.239	2.19	.72	163.0	803.3		117	576		223	110	
D		42	2	85	137	.228	2.19	.68	163.7	816.7		112	558		213	107	
D		45	4	86	153	.289	3.20	.96	188.4	989.9		181	950		345	181	
D		Totals	198	86	124	45.894	154.13	116.09	68.6	316.6		7,960	36,748		15,203	7,019	
H		9	4	84	27	5.330	2.35	5.33	6.0	20.0		32	107		61	20	
H		11	2	83	74	1.784	1.18	1.78	19.0	60.0		34	107		65	20	
H		12	6	88	67	6.641	5.22	9.21	16.3	52.3		151	482		288	92	
H		13	4	88	85	3.468	3.20	6.94	17.5	60.8		121	422		231	81	
H		14	6	86	99	4.091	4.37	7.08	26.6	99.6		189	705		360	135	
H		15	10	87	99	7.541	9.25	17.41	23.0	82.7		400	1,440		763	275	
H		16	2	85	54	.843	1.18	.84	35.0	70.0		30	59		56	11	
H		17	4	82	74	1.494	2.35	2.99	26.0	87.5		78	261		148	50	
H		18	8	87	99	3.618	6.39	8.38	33.4	125.3		279	1,050		534	201	
H		19	2	88	122	1.026	2.02	3.08	35.7	143.3		110	441		210	84	
H		20	6	87	129	2.005	4.37	5.47	43.2	178.3		236	976		452	186	
H		21	2	88	116	.839	2.02	2.52	41.3	176.7		104	445		199	85	
H		22	4	88	127	1.530	4.04	4.59	48.2	203.3		221	933		422	178	
H		23	2	82	49	.408	1.18	.41	63.0	90.0		26	37		49	7	
H		25	6	83	116	1.777	6.06	5.33	56.1	228.9		299	1,220		571	233	
H		26	6	85	129	1.186	4.37	3.56	64.1	285.9		228	1,017		436	194	
H		27	2	86	111	.296	1.18	.89	63.7	276.7		57	246		108	47	
H		28	8	86	116	1.889	8.08	5.19	76.4	344.5		397	1,790		758	342	
H		29	2	85	143	.257	1.18	.77	88.0	410.0		68	316		129	60	
H		30	6	87	119	1.063	5.22	3.19	83.2	398.2		265	1,269		507	242	

TC		PSTNDSUM		Stand Table Summary										Page Date:		2 12/12/2025	
T06N R07W S01 Ty00CC THRU T06N R07W S01 Ty00CC						Project		WGANDER				Time:		8:47:07AM			
						Acres		191.00				Grown Year:					
S Sp	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF	
H		32	4	80	135	.723	4.04	2.17	97.0	416.7		210	904		402	173	
H		34	2	81	99	.320	2.02	.96	70.0	333.3		67	320		128	61	
H		36	2	86	116	.286	2.02	.86	115.0	560.0		99	480		188	92	
H		39	2	75	115	.243	2.02	.49	116.5	520.0		57	253		108	48	
H		42	2	78	126	.210	2.02	.63	134.3	666.7		85	420		162	80	
H		Totals	104	86	89	48.867	87.32	100.07	38.4	156.9		3,841	15,700		7,336	2,999	
A		12	2	87	61	1.114	.87	1.11	22.0	60.0		25	67		47	13	
A		13	6	87	56	3.747	3.45	5.00	17.2	55.0		86	275		165	52	
A		14	10	87	65	4.609	4.93	7.06	21.5	67.7		152	479		289	91	
A		15	6	86	77	2.364	2.90	4.73	21.0	72.1		99	341		190	65	
A		16	4	87	77	1.451	2.03	2.90	25.1	79.9		73	232		139	44	
A		17	10	86	71	2.950	4.65	4.62	32.5	97.2		150	449		287	86	
A		18	6	87	85	1.954	3.45	3.91	31.2	108.3		122	423		233	81	
A		19	2	86	86	.585	1.15	1.17	37.5	115.0		44	134		84	26	
A		20	4	87	76	.929	2.03	1.86	39.6	126.4		73	235		140	45	
A		21	4	86	60	.957	2.30	1.44	45.0	133.3		65	191		123	37	
A		25	2	87	66	.257	.87	.51	53.5	175.0		27	90		52	17	
A		Totals	56	87	69	20.916	28.64	34.30	26.7	85.0		916	2,915		1,749	557	
CL		21	1	85	62	.005	.01	.00	54.0	120.0		0	1		0	0	
CL		Totals	1	85	62	.005	.01	.00	54.0	120.0		0	1		0	0	
SN		12	1	89	71	.069	.05										
SN		16	2	88	26	.033	.05										
SN		18	1	88	75	.031	.05										
SN		20	1	88	67	.011	.02										
SN		23	1	88	30	.019	.05										
SN		36	1	88	48	.008	.05										
SN		Totals	7	88	57	.170	.29										
Totals			366	86	99	115.853	270.39	250.46	50.8	221.0		12,716	55,363		24,288	10,574	

LOGGING PLAN MAP

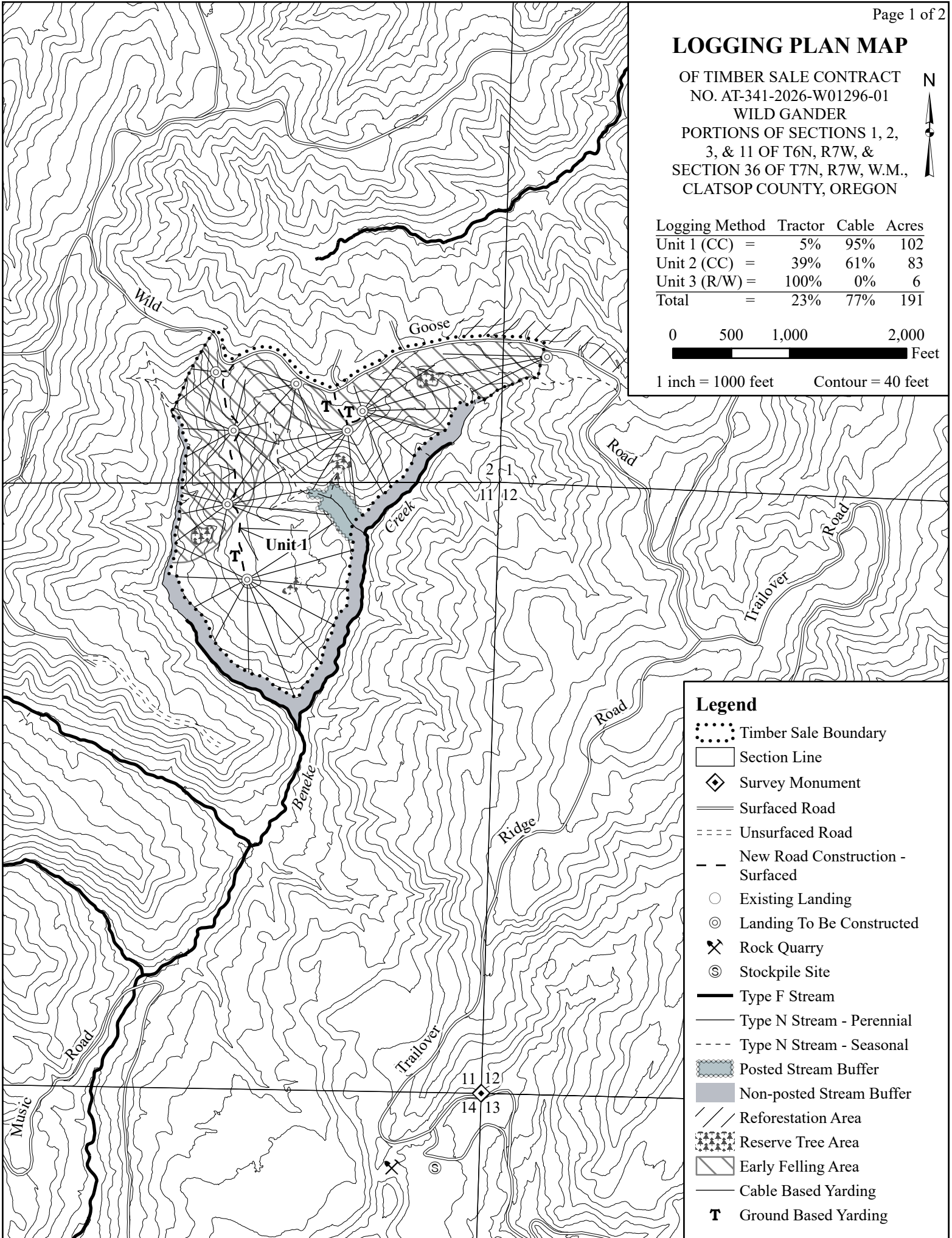
OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01296-01
WILD GANDER
PORTIONS OF SECTIONS 1, 2,
3, & 11 OF T6N, R7W, &
SECTION 36 OF T7N, R7W, W.M.,
CLATSOP COUNTY, OREGON



Logging Method	Tractor	Cable	Acres
Unit 1 (CC) =	5%	95%	102
Unit 2 (CC) =	39%	61%	83
Unit 3 (R/W) =	100%	0%	6
Total =	23%	77%	191

0 500 1,000 2,000
Feet

1 inch = 1000 feet Contour = 40 feet



Legend

- Timber Sale Boundary
- Section Line
- Survey Monument
- Surfaced Road
- Unsurfaced Road
- New Road Construction - Surfaced
- Existing Landing
- Landing To Be Constructed
- ✕ Rock Quarry
- S Stockpile Site
- Type F Stream
- Type N Stream - Perennial
- Type N Stream - Seasonal
- Posted Stream Buffer
- Non-posted Stream Buffer
- Reforestation Area
- Reserve Tree Area
- Early Felling Area
- Cable Based Yarding
- T** Ground Based Yarding

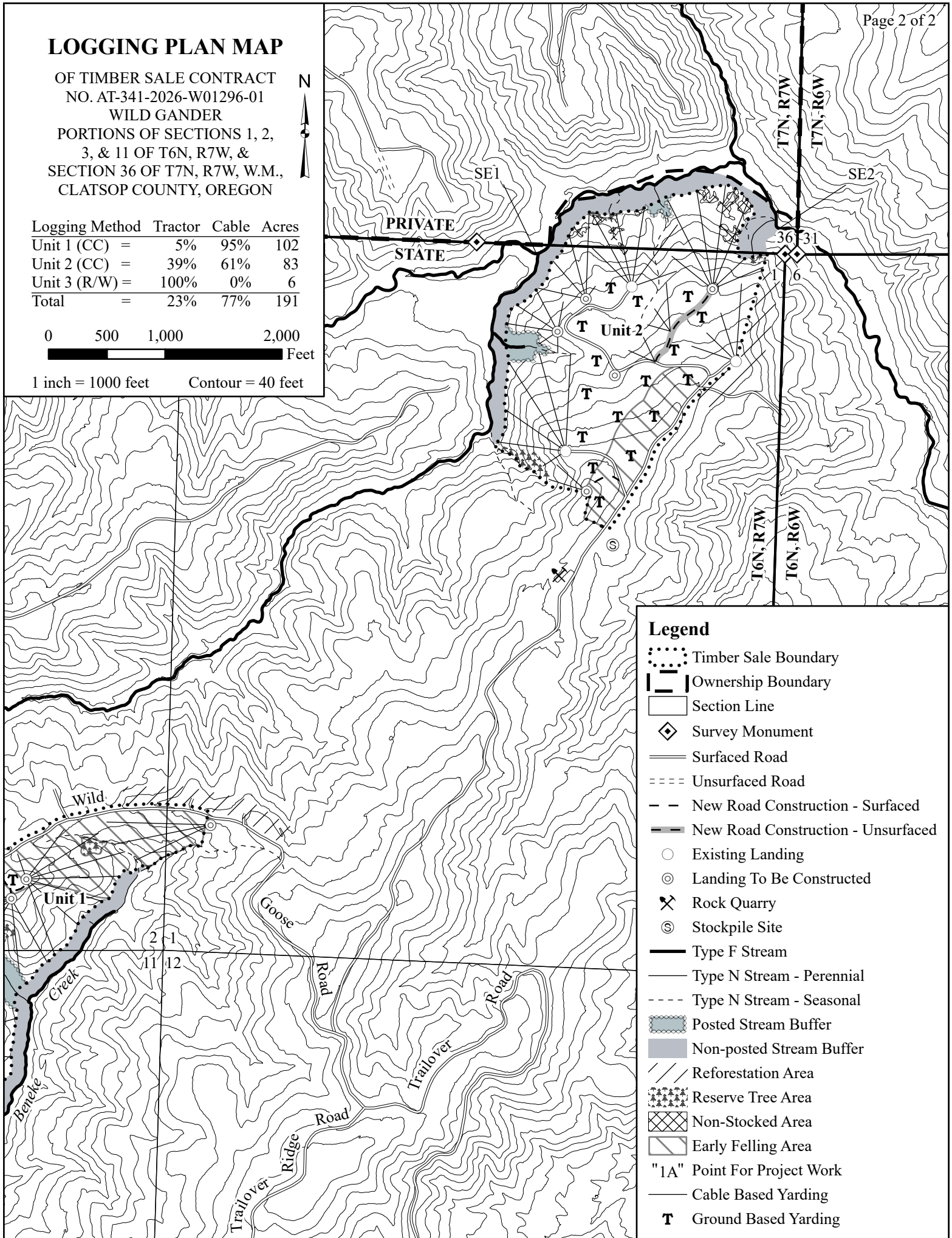
LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01296-01
WILD GANDER
PORTIONS OF SECTIONS 1, 2,
3, & 11 OF T6N, R7W, &
SECTION 36 OF T7N, R7W, W.M.,
CLATSOP COUNTY, OREGON

Logging Method	Tractor	Cable	Acres
Unit 1 (CC) =	5%	95%	102
Unit 2 (CC) =	39%	61%	83
Unit 3 (R/W) =	100%	0%	6
Total =	23%	77%	191

0 500 1,000 2,000
Feet

1 inch = 1000 feet Contour = 40 feet



Legend

- Timber Sale Boundary
- Ownership Boundary
- Section Line
- Survey Monument
- Surfaced Road
- Unsurfaced Road
- New Road Construction - Surfaced
- New Road Construction - Unsurfaced
- Existing Landing
- Landing To Be Constructed
- Rock Quarry
- Stockpile Site
- Type F Stream
- Type N Stream - Perennial
- Type N Stream - Seasonal
- Posted Stream Buffer
- Non-posted Stream Buffer
- Reforestation Area
- Reserve Tree Area
- Non-Stocked Area
- Early Felling Area
- "1A" Point For Project Work
- Cable Based Yarding
- Ground Based Yarding