



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Erock
Sale AT-341-2026-W01166-01

District: Astoria

Date: August 13, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$2,191,884.24	\$2,732.04	\$2,194,616.28
		Project Work:	(\$51,265.00)
		Advertised Value:	\$2,143,351.28



Timber Sale Appraisal Erock Sale AT-341-2026-W01166-01

District: Astoria

Date: August 13, 2025

Timber Description

Location:

Stand Stocking: 75%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	32	0	97
Western Hemlock / Fir	15	0	96
Sitka Spruce	41	0	96
Alder (Red)	11	0	95

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	6" - 7"	Total
Douglas - Fir	3,741	191	53	0	3,985
Western Hemlock / Fir	642	402	19	0	1,063
Sitka Spruce	0	2	83	0	85
Alder (Red)	0	0	0	18	18
Total	4,383	595	155	18	5,151

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

Expected Log Markets: Tillamook, Warrenton, Clatskanie, Eugene, Noti, Willamina, Longview, WA, Elma, WA, and Chehalis, WA.

PRICING:

Western Red Cedar and other Cedars stumpage = pond value - (Douglas-fir) logging cost.

\$1,033.26/MBF = \$1,285/MBF - \$251.74/MBF

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

\$73.26/MBF = \$325/MBF - \$251.74/MBF

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

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

Ditch Filters:

18 bales of straw @ \$13.39/bale = \$241.02

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

TOTAL Other Costs (with Profit & Risk to be added):\$2,441.02

Other Costs (No Profit & Risk added):

None.

SLASH PILING

(See attached appraisal. Includes move-in, pile materials, and end-hauling) = \$31,173

ROAD MAINTENANCE

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: \$22,916/5,151 MBF = \$4.45/MBF



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Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
	Western Hemlock / Fir	100.00%
	Sitka Spruce	100.00%
	Alder (Red)	100.00%
Logging System:	Shovel	Process: Feller Buncher
yarding distance:	Medium (800 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	16	bd. ft / load: 5000
cost / mbf:	\$125.00	
machines:	Feller Buncher w/ Delimber	



"STEWARDSHIP IN FORESTRY"

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Logging Costs

Operating Seasons: 2.00

Profit Risk: 12%

Project Costs: \$51,265.00

Other Costs (P/R): \$2,441.02

Slash Disposal: \$31,173.00

Other Costs: \$0.00

Miles of Road

Road Maintenance: \$4.45

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	2.0	4.5
Sitka Spruce	\$0.00	2.0	5.5
Alder (Red)	\$0.00	3.0	4.0



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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									
\$125.00	\$4.58	\$1.70	\$85.83	\$0.47	\$26.11	\$6.05	\$2.00	\$0.00	\$251.74
Western Hemlock / Fir									
\$125.00	\$4.63	\$1.70	\$144.45	\$0.47	\$33.15	\$6.05	\$2.00	\$0.00	\$317.45
Sitka Spruce									
\$125.00	\$4.63	\$1.70	\$118.19	\$0.47	\$30.00	\$6.05	\$2.00	\$0.00	\$288.04
Alder (Red)									
\$125.00	\$4.67	\$1.70	\$109.38	\$0.47	\$28.95	\$6.05	\$2.00	\$0.00	\$278.22

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$742.28	\$490.54	\$0.00
Western Hemlock / Fir	\$0.00	\$539.13	\$221.68	\$0.00
Sitka Spruce	\$0.00	\$304.94	\$16.90	\$0.00
Alder (Red)	\$0.00	\$430.00	\$151.78	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
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District: Astoria

Date: August 13, 2025

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,985	\$490.54	\$1,954,801.90
Western Hemlock / Fir	1,063	\$221.68	\$235,645.84
Sitka Spruce	85	\$16.90	\$1,436.50
Alder (Red)	18	\$151.78	\$2,732.04

Gross Timber Sale Value

Recovery: \$2,194,616.28

Prepared By: Justin Bush

Phone: 503-325-5451

Site Prep Appraisal

Sale Name: Erock
Date: 08/15/2025

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

Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area
1	CC	B	77	77	\$145.00	\$11,165.00
2	CC	B	45	45	\$145.00	\$6,525.00
In-unit Piling						Sub Total = \$17,690.00
Sale Area	Number of Landings to be Piled	# acres to landings per area	Cable Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area
1	14	77	\$2,233.00	360.5	\$5.00	\$1,802.50
2	8	45	\$1,305.00	210.5	\$5.00	\$1,052.50
*Cost includes separating firewood					Materials	Sub Total = \$2,855.00
Additional Move-in allowance					Landing Piling	Sub Total = \$3,538.00
Move-In Allowance	Number of Move-In's	Total Move-In Allowance				
\$1,290.00	1	\$1,290.00				
					Move-In	Sub Total = \$1,290.00
Slash Endhaul Dump Truck hrs	Cost/Hour	Total	Loader hrs*	Cost/Hour	Total	Sub Total = \$5,800.00
0	\$89.00	\$0.00	40	\$145.00	\$5,800.00	
						Grand Total = \$31,173.00

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

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale: Erock
Date: August 14, 2025
By: Avery Petersen

MBF: 5,151
\$\$/MBF: \$4.45

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost
Interim Road Maintenance	Grader 14G	\$972	1	8	\$126	\$1,980
	Rubber tired backhoe	\$401	1	4	\$97	\$789
	Dump Truck 12CY	\$205	1	8	\$110	\$1,085
Final Road Maintenance	Grader 14G	\$972	1	38	\$126	\$5,760
	Dump Truck 12CY	\$205	2	16	\$110	\$2,170
	FE Loader C944	\$931	1	16	\$108	\$2,659
	Vibratory Roller	\$972	1	38	\$97	\$4,658
	Water Truck 2,500 gallon	\$238	1	12	\$113	\$1,594
	C315 Excavator	\$1,005	1	8	\$127	\$2,021
	Labor			4	\$50	\$200
Total						\$22,916

Interim Operations Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	2.5	4.4	1.8	14

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.5	7.2	4.8	38
Vibratory Roller	1.5	7.2	4.8	38

Process and compact: All crushed rock roads

East Big Noise Road 3.9 Miles
Rock Creek Road 0.8 Miles
Rock Creek X-Over 0.5 Miles
Unnamed Spurs 2.0 Miles
Grade & Process Total: 7.2 Miles

SUMMARY OF ALL PROJECT COSTS

SALE NAME: Erock

Project No. 1: SALE ACCESS ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
Surfaced			
1A to 1B, 1C to 1D			
2A to 2B, 2C to 2D	13.80	0.26	\$9,596.00
Unsurfaced			
1A to 1B	3.85	0.07	\$2,550.00
Road Maint.			\$192.74
Move-In			\$3,403.19
TOTALS	17.65	0.33	\$15,742

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	454.90	8.62	\$19,614.56
Road Maint.			\$311.26
Move-In			\$5,495.81
TOTALS		8.62	\$25,422

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		\$7,970.00
Proj. 4 Vacating		\$2,131.00
TOTAL		\$10,101

GRAND TOTAL **\$51,265**

Compiled By: D. Farner CB

Date: 08/13/2025

Move In and Maintenance Calculator for Construction and Improvement

SALE NAME: E Rock _____

Project No. 1: SALE ACCESS ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>
Surfaced			
1A to 1B, 1C to 1D			
1E to 1F, 1G to 1H			
2A to 2B, 2C to 2D	13.80	0.26	\$9,596.00
Unsurfaced			
1A to 1B	3.85	0.07	\$2,550.00
TOTALS	17.65	0.33	\$12,146

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	454.90	8.62	\$19,614.56
TOTALS	454.90	8.62	\$19,615

MOVE IN (Construction & Improvement Only)

<u>Equipment</u>	<u>Length/Mile</u>	<u>Cost</u>
Grader 14G		\$972.00
Vibratory Roller		\$972.00
Front End Loader		\$972.00
Excavator C315		\$1,005.00
Excavator C330		\$1,755.00
Water Truck 2500 gal.		\$238.00
Dozer D8		\$1,755.00
Dump Truck (6)		\$1,230.00
TOTAL		\$8,899.00

ROAD MAINTENANCE (Construction & Improvement Only)

	<u>Length/Mile</u>	<u>Cost</u>
Spot Grade East Big Noise from West Big Noise Jct to Pit.		\$504.00
TOTAL		\$504.00

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: E Rock
ROAD: 1A to 1B (sta. 5.35), 1C to 1D (sta. 8.5), 1E to 1F (sta. 0.9)
POINTS: 1G to 1H (sta. 1.0), 2A to 2B (sta. 1.0), 2C to 2D (sta. 0.9)

NEW CONSTRUCTION: 17.65 STATIONS
IMPROVEMENT: 454.90 STATIONS

0.33 MILES
8.62 MILES

CLEARING & GRUBBING		Acres/amount	x	Rate	=	Cost
Method						
Surfaced			x			
1C to 1D, 1E to 1F Scatter outside of right of way		1.13	x	\$ 1,669	=	\$1,885.97
1G to 1H, 2A to 2B						
2C to 2D						

SUB TOTAL FOR CLEARING & GRUBBING \$1,886

EXCAVATION		Cy/amount	x	Rate	=	Cost
Material						
1A to 1B						
0+00 to 1+50	Remove blowdown and all debris.					
	C315/Hr.	2	x	\$127.00	=	\$254.00
1+50 to 5+35	Remove stumps and debris	3.00	x	\$127.00	=	\$381.00
0+00	Improve turnaround	0.5	x	\$127.00	=	\$63.50
1+50	Place riprap on both sides of temporary gate to prevent access around gate.					
	C315/Hr.	2	x	\$127.00	=	\$254.00
1C to 1D						
0+00 to 8+50	Balanced construction	8.5	x	\$154.00	=	\$1,309.00
1E to 1F						
0+00 to 0+90	Balanced construction	0.90	x	\$154.00	=	\$138.60
0+00	Reconstruct ditch to west for proper drainage of spur	1	x	\$127.00	=	\$127.00
1G to 1H						
0+00 to 1+00	Balanced construction	1	x	\$154.00	=	\$154.00
2A to 2B						
0+00 to 1+00	Balanced construction	1	x	\$154.00	=	\$154.00
0+00	Re-open ditch for drainage after construction	0.50	x	\$127.00	=	\$63.50
2C to 2D						
0+00 to 0+90	Balanced construction	1	x	\$154.00	=	\$138.60
0+00	Construct ditch out to daylight for drainage	1	x	\$127.00	=	\$127.00

SUB TOTAL FOR EXCAVATION \$3,164

CULVERT MATERIALS AND INSTALLATION		Lineal ft	Rate	=	Cost
Location	Dialtype				
Other/miscellaneous:					
Culvert stakes & markers:					

SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION \$0
Subtotal of Clearing, Exc., Culv. \$5,050

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)	1G to 1H		0+00 to 1+00								
				Volume per	Number of	stations	junctions	1.00	1	63	22	63	22	\$5.30
Base Rock				10	N/A	station	junction	63	junctions	1.00	1	22	85	\$451
Junction Rock				N/A	0+00	junction	22	junctions	1	22	22	\$5.30	\$117	
Total Rock for Road Segment:				1G to 1H						85				
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)	2A to 2B		0+00 to 1+00								
				Volume per	Number of	stations	junctions	1.00	1	63	22	63	22	\$5.30
Base Rock				10	N/A	station	junction	63	junctions	1.00	1	22	85	\$451
Junction Rock				N/A	0+00	junction	22	junctions	1	22	22	\$5.30	\$117	
Total Rock for Road Segment:				2A to 2B						85				
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)	2C to 2D		0+00 to 0+90								
				Volume per	Number of	stations <td>junctions</td> <td>0.90</td> <td>1</td> <td>57</td> <td>22</td> <td>57</td> <td>22</td> <td>\$5.30</td> <td>\$301</td> <td>\$117</td>	junctions	0.90	1	57	22	57	22	\$5.30
Base Rock				10	N/A	station	junction	63	junctions	0.90	1	22	79	\$417
Junction Rock				N/A	0+00	junction	22	junctions	1	22	22	\$5.30	\$117	
Total Rock for Road Segment:				2C to 2D						79				
Processing: Description														
Water, Process & Compact Base Rock (4"-0"): 1A to 1B (1.5 sta.), 1C to 1D (8.5 sta.),														
Grade, Shape, & Compact Base Rock (6"-0'jr): 1E to 1F (0.9 sta.), 1G to 1H (1.0 sta.),														
2A to 2B (1.0 sta.), 2C to 2D (0.9 sta.)														

SPECIAL PROJECTS		
	Description	Cost
1A to 1B (sta. 1+50)	Temporary gate (2-12"x50") & Posts (2-6"x6"x10')	\$380.00
	Temporary gate Installation w/315 (\$/hr) 2hrs x \$127	\$254.00
SUB TOTAL FOR SPECIAL PROJECTS		\$634
	Subtotal of Surfacing & Spec. Proj.	\$7,096
	Subtotal of Clearing, Exc., Culv.	\$5,050
GRAND TOTAL		\$12,146

Compiled By: D. Farner

Date: 08/13/2025

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: E Rock
ROAD: 11 to 12 (183.0 sta.), 13 to 14 (14.8 sta.), 15 to 16 (57.7 sta.),
POINTS: 17 to 18 (5.7 sta.), 19 to 110 (11.5 sta.), 111 to 112 (7.1 sta.),
113 to 114 (8.9 sta.), 115 to 116 (166.2 sta.)

NEW CONSTRUCTION: 17.65 STATIONS
IMPROVEMENT: 454.90 STATIONS

0.33 MILES
8.62 MILES

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

EXCAVATION				
Material	Cy/amount	x	Rate	= Cost
11 to 12 162+00 to 183+00 Remove blowdown and debris scatter in stable locations C315/Hr.	2.0	x	\$127.00	\$254.00
17 to 18 0+00 to 5+70 Remove blowdown and debris scatter in stable locations open drainage C315/Hr.	2.0	x	\$127.00	\$254.00
19 to 110 2+65 6+40 Construct turnaround Remove debris and vegetation from fill C315/Hr.	1.0	x	\$127.00	\$127.00
7+70 11+50 clean culvert inlet and outlet Construct turnaround C315/Hr.	1.00	x	\$127.00	\$127.00
Remove culvert laying at end of road haul away C315/Hr.	0.50	x	\$127.00	\$63.50
Haul off site and dispose dumprtruck/Hr.	1.00	x	\$110.00	\$110.00
SUB TOTAL FOR EXCAVATION \$1,063				

CULVERT MATERIALS AND INSTALLATION				
Location	Dia/type	Lineal ft.	Rate	Cost
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION \$0				

Subtotal of Clearing, Exc., Culv. \$1,063

Projects Road Maintenance Cost Summary

Sale: E Rock
Date: 13-Aug-25
By: D. Farner

Type	Equipment/Rationale			Hours	Rate	Cost
Project Work Final Haul Road Maintenance	Grader 14G			4	\$126	\$504
Total						\$504

Production Rates

Grader

Vibratory Roller

Miles/day	Distance(miles)	Days
1.5	0.85	0.6
1.5	0.85	0.6

NOTE: Spot grade East Big Noise

		Miles
From West Big Noise tie thru to Big Noise pit	0.85	Miles
		Miles
		Miles
TOTAL=	0.85	Miles

Waterhole Construction and Access Improvement

Sale Name: E Rock

Location: Big Noise WH1

Waterhole Excavation/Ramp and Drafting Area Construction	Hours	\$ / Hour	
C330	5	\$ 195.00	\$ 975.00
10-12cy dump truck	5	\$ 110.00	\$ 550.00
Armoring/Rock Placement/Waste Area Shaping (Prep and 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 (36"-12" Riprap)	11	\$ -	\$ -
6"-0" jawrun	11	\$ -	\$ -
1-1/2"-0" crushed for road	11	\$ -	\$ -
Partial Equipment Moves			
		Total	\$ 2,640.00

D. Farner

Waterhole Construction and Access Improvement

Sale Name: E Rock

Location: Big Noise WH2

Waterhole Excavation/Ramp and Drafting Area Construction	Hours	\$ / Hour	
C330	14	\$ 195.00	\$ 2,730.00
10-12cy dump truck	14	\$ 110.00	\$ 1,540.00
Armoring/Rock Placement/Waste Area Shaping	Hours	\$ / Hour	
C330	2	\$ 195.00	\$ 390.00
10-12cy dump truck	2	\$ 110.00	\$ 220.00
Labor/dewater/seed and mulch			\$ 450.00
	CY	\$ / CY	
Armoring (36"-12" Riprap)	33	\$ -	\$ -
1-1/2"-0" crushed for road	22	\$ -	\$ -
Partial Equipment Moves			
		Total	\$ 5,330.00

D. Farner

08/13/2025

Timber Sale										
Vacating Costs V1 to V2										
	Station	Pump	C330	C315	D24 trk	D10/12 trk	D-8	Labor	Straw-bales	Seed-lbs
Remove temporary gate	1+50			2.00						
Waterbar										
Place large rocks to block access										
Place rocks and debris on both sides to block access										
Begin breaking compacted soil and wheel tracks	1+50 to 5+35			4.00						
Begin waterbarring every 1+50										
Begin placing debris to block road										
Block access to vacated road	5+35			2.00						
Haul gate to appropriate location						1				
Total Quantity (Hours)										
		0.00	0.00	8.00	0	1	0	0	0	0
C315 move in cost										
				\$ 1,005.00						
Rates										
		\$10.00	\$155.00	\$127.00	\$127.00	\$110.00	\$158.00	\$40.00	\$10.73	\$1.60
Total Dollars										
		\$0	\$0	\$2,021	\$0	\$110	\$0	\$0	\$0	\$0

Total Cost

\$2,131

Erock

D. Famer

08/13/2025

CRUSHED ROCK COST

SALE NAME:	E Rock
PROJECT:	Nos. 1,2, and 3
Stockpile:	Big Nosie and Big Foot

MATERIAL: $\frac{1-1/2''-0'', 4''-0'',}{6''-0'' \text{ jr, } 36'-12'' \text{ rr}}$

DATE: 058/13/2025
BY: D. Farner

[illegible]

Average Round Trip Distance (miles)	5.36
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ROCK HAUL:

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

Ave haul:	\$3.90	/cy
Load:	\$0.53	/cy
Spread:	\$0.87	/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 = 1,352

CRUSHED ROCK HAUL COSTS 1,325 cy @ \$5.30 /cy

**Erock
TIMBER CRUISE REPORT
FY 2026**

1. **Sale Area Location:** Portions of Sections 23 & 26 of T8N, R7W, W.M., Clatsop County, OR.
2. **Fund Distribution:** BOF 100% Tax Code: 1-03 (71.28%) 4-03 (28.72%)
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	114	26	3	3	4	1	77	GIS
2	Clearcut	62	12	2	2	1	<1	45	GIS
3	R/W	1	-	-	-	-	-	1	LxW
TOTALS		177	38	5	5	5	1	123	

4. Cruisers and Cruise Dates: Avery Petersen, Kevin Berry, John Czarnecki, Michele Huffman, and Justin Bush (07/30/2025-08/08/2025)

5. Cruise Method and Computation:

Unit 1 of Erock was split with the east portion (approximately 1/4 of the unit) being cruised with Unit 2 (U21E cruise) while the remainder of Unit 1 was cruised separately (U1W cruise), as shown on cruise maps.

U21E: The east portion of Unit 1 and Unit 2 were variable plot cruised with a 54.45 BAF. A total of 55 plots were sampled on a five and a half chain by two and a half chain spacing with a count to grade ratio of 3:1, resulting in 14 grade plots and 41 count plots*.

U1W: The remainder of Unit 1 was variable plot cruised with 54.45 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 20 grade plots and 34 count plots*.

Unit 3 (R/W): In-unit Right-of-Way consists of new roads within Units 1 and 2. Volumes for Unit 3 R/W were obtained from the combined cruise. There is approximately one acre of stocked right-of-way and approximately one-half acre unstocked right-of-way.

*The reported number of count plots in the U21E cruise vary from that shown in the SuperACE statistics reports due to recording two zero-count plots ("blank" plots). Variance in the numbers of cruise and grade plots for the U1W cruise from those indicated in the SuperACE statistics reports are due to measuring minor species on two of the count plots.

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

UNIT(s)	CRUISE	TRACT	TYPE	ACRES
1 (east 1/4) & 2	EROCK	U21E	00CC	65
1 (west 3/4)	EROCK	U1W	00CC	58

6. Timber Description:

Unit 1: A clearcut with an average age of 99 years. The stand consists of Douglas-fir and western hemlock, with minor components of redcedar and red alder. The average Douglas-fir is approximately 33 inches DBH and 115 feet to a merchantable top. The average western hemlock is approximately 16 inches DBH and 47 feet to a merchantable top. And the average red alder is approximately 11 inches and 26 feet to a merchantable top. Average net volume to be harvested per acre in the western 3/4 of the unit is 47 MBF while the average net volume to be harvested per acre in the eastern 1/4 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 2: A clearcut with an average age of 94 years. The stand consists of Douglas-fir and western hemlock, with minor components of Sitka spruce. The average Douglas-fir is approximately 30 inches DBH and 102 feet to a merchantable top. The average western hemlock is approximately 15 inches DBH and 51 feet to a merchantable top. The average Sitka spruce is approximately 41 inches DBH and 88 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 to the timber Units 1 and 2. Average net volume to be harvested per acre is 42 MBF.

7. Statistical Analysis and Stand Summary:

Statistics for Stand B.F. volumes

Type	Estimated CV	Target SE%	Actual CV	Actual SE%
U21E	45%	9%	52.2%	7.0%
U1W	45%	9%	33.2%	4.5%

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.	SM	2 Saw	3 Saw*	4 Saw	% D & B	% Sale
Douglas-fir	32"	3,985	-	3,741	229	15	10.3%	77%
western hemlock	15"	1,063	-	642	361	60	12.7%	21%
Sitka spruce	41"	85	-	-	85	-	13.3%	2%
TOTALS	--	5,133	-	4,383	675	75	--	--

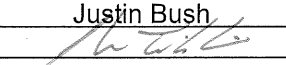
* This sale includes approximately 53 MBF of 12"+ 3-saw Douglas-fir, 19 MBF of 12"+ 3-saw western hemlock, and 83 MBF of 12"+ 3-saw Sitka spruce.

Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	11"	18	-	-	-	18	0%	<1%
TOTALS	--	18	-	-	-	18	--	--

TOTAL VOLUME	5,151 MBF
---------------------	------------------

9. Approvals:

Prepared by: Justin Bush
Unit Forester Approval: 

Date: 08/20/2025
Date: 8/25/25

10. **Attachments:** Cruise Design and Map (6 pages)
Volume Report (4 pages)
Statistics Report (8 pages)
Log Stock Table (2 pages)
Stand Table Summary (2 pages)

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Erock

Unit U21E

Harvest Type: Clear Cut

Approx. Cruise Acres: 68 **Estimated CV%** 45 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 2,720 MBF **Estimated Sale Area Value/Acre:** \$16,000/Acre

A. Cruise Goals: (a) Grade minimum 45 conifer trees.

(b) Sample 57 plots (14 grade / 43 count); (c) Other goals (Determine "automark" thinning standards; X Determine log grades for sale value; Determine snag and leave tree species and sizes)

B. Cruise Design:

1. Plot Cruises: BAF: 54.45

EROK_1:

Cruise Line Direction: 336°/156°

Cruise Line Spacing 5.5 (chains) 363 (feet)

Cruise Plot Spacing 2.5 (chains) 165 (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: 7/30/2025

CRUISE MAP

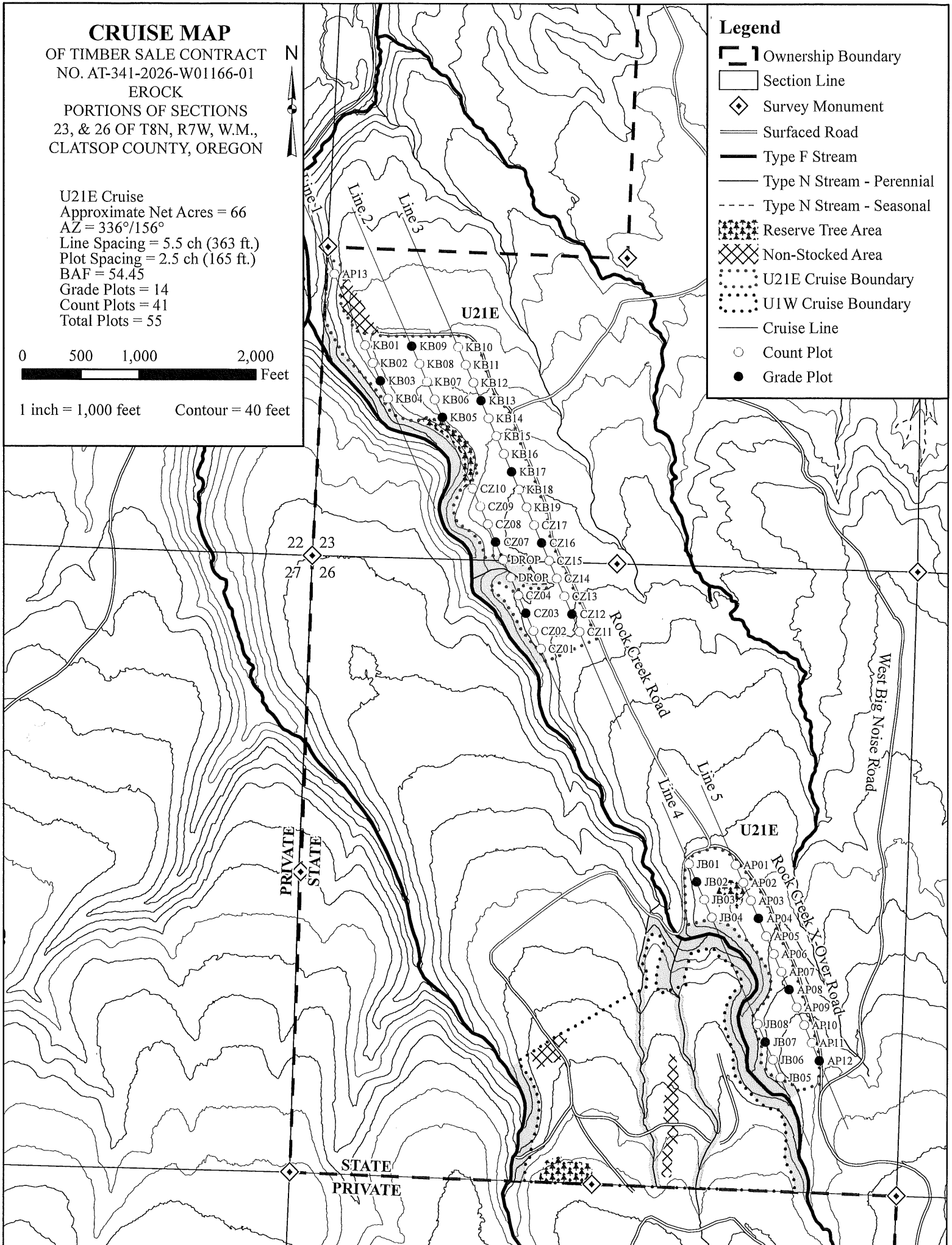
OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01166-01
EROCK
PORTIONS OF SECTIONS
23, & 26 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

U21E Cruise
Approximate Net Acres = 66
AZ = 336°/156°
Line Spacing = 5.5 ch (363 ft.)
Plot Spacing = 2.5 ch (165 ft.)
BAF = 54.45
Grade Plots = 14
Count Plots = 41
Total Plots = 55

0 500 1,000 2,000 Feet
1 inch = 1,000 feet Contour = 40 feet

Legend

- Ownership Boundary
- Section Line
- Survey Monument
- Surfaced Road
- Type F Stream
- Type N Stream - Perennial
- Type N Stream - Seasonal
- Reserve Tree Area
- Non-Stocked Area
- U21E Cruise Boundary
- U1W Cruise Boundary
- Cruise Line
- Count Plot
- Grade Plot



**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Erock

Unit U1W

Harvest Type: Clear Cut

Approx. Cruise Acres: 60 **Estimated CV%** 45 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 2,400 MBF **Estimated Sale Area Value/Acre:** \$16,000/Acre

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

(b) Sample 54 plots (20 grade / 34 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

EROK_2:

Cruise Line Direction: 90°/270°

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, spruce, 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.

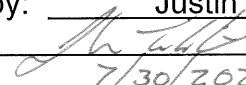
6. Species, Sort, and Grade Codes:

- 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: 

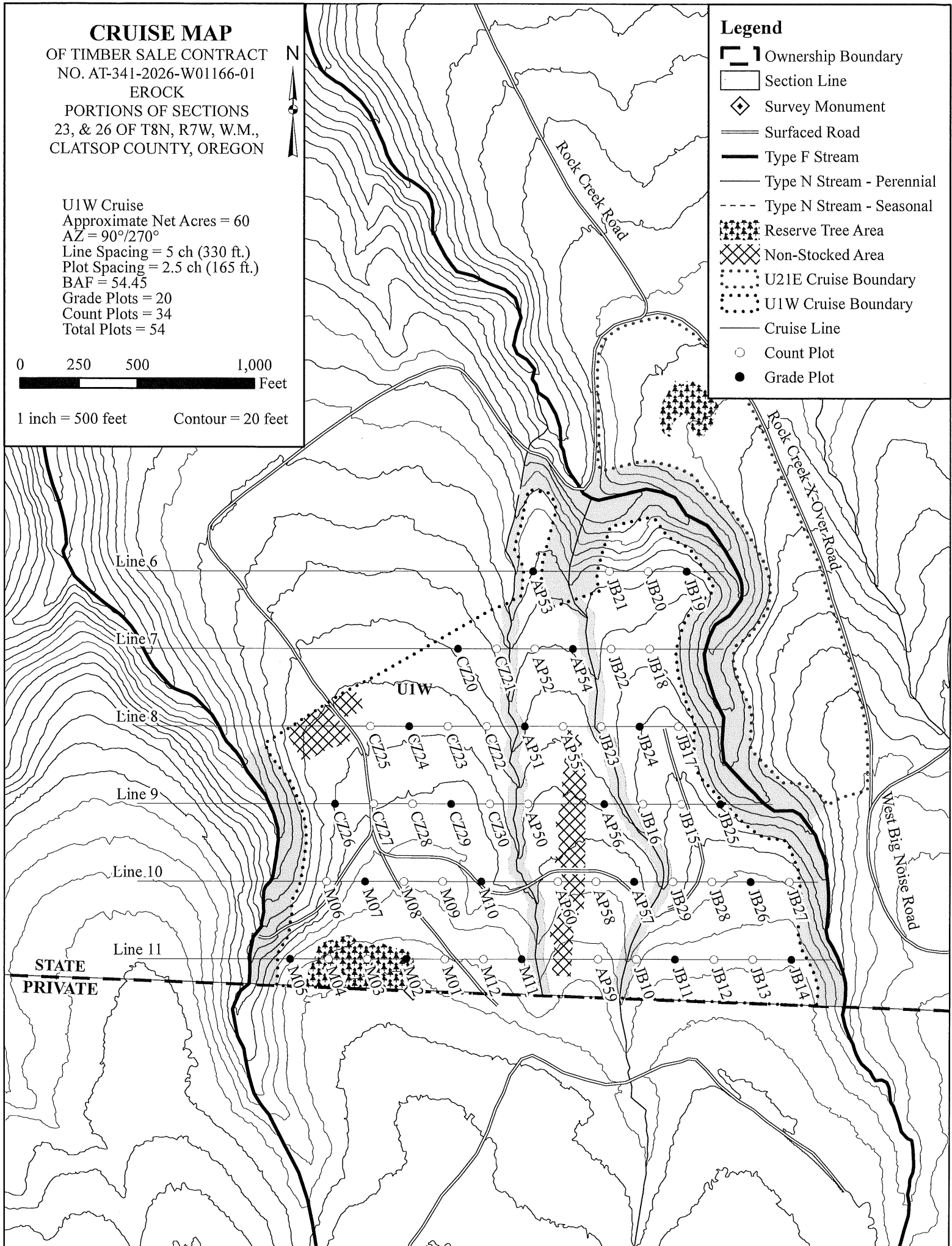
Date: 7/30/2025

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01166-01
EROCK
PORTIONS OF SECTIONS
23, & 26 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

0 250 500 1,000
Feet

Legend

-  Ownership Boundary
-  Section Line
-  Survey Monument
-  Surfaced Road
-  Type F Stream
-  Type N Stream - Perennial
-  Type N Stream - Seasonal
-  Reserve Tree Area
-  Non-Stocked Area
-  U21E Cruise Boundary
-  U1W Cruise Boundary
-  Cruise Line
-  Count Plot
-  Grade Plot



TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																					
T08N R07W S26 Ty00CC57.00 T08N R07W S26 Ty00CC65.00 T08N R07W S26 Ty00CC1.00						Project: EROCK				Page 1				Date 8/22/2025				Time 8:16:30AM							
						Acres 123.00																			
S Spp	So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre						
		Def%	Gross	Net	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf									
					4-5		6-11	12-16	17+	12-20	21-30	31-35					36-99								
D	DOCU		100.0	43											10	16		0.00	.4						
D	DO2S	93	10.2	33,883	30,414	3,741		0	15	85	0	1	3	96	38	19	550	2.95	55.3						
D	DO3S	6	10.0	2,070	1,863	229		77	20	3	15	26	32	27	28	10	92	0.99	20.1						
D	DO4S	1	10.0	134	120	15		100			82	18			19	8	32	0.52	3.8						
D Totals		77	10.3	36,130	32,398	3,985		5	15	80	2	3	5	91	35	16	407	2.49	79.7						
H	DOCU		100.0	163											12	20		0.00	.7						
H	DO2S	60	10.8	5,856	5,223	642			15	85		0	3	96	39	19	528	2.84	9.9						
H	DO3S	34	12.1	3,345	2,939	361		95	5		2	11	48	39	35	8	68	0.62	43.0						
H	DO4S	6	10.0	543	488	60		100			38	62			23	6	25	0.38	19.5						
H Totals		21	12.7	9,906	8,650	1,063-1,064		38	11	51	3	8	18	71	32	9	118	0.94	73.1						
A	DO4S	100		143	143	18		100				100			24	7	40	0.50	3.6						
A Totals		0		143	143	18		100				100			24	7	40	0.50	3.6						
S	DO3S	100	13.3	792	687	85		3	5	92	3	18	19	59	31	21	636	4.54	1.1						
S Totals		2	13.3	792	687	85		3	5	92	3	18	19	59	31	21	636	4.54	1.1						
C	DO2S	76		1	1	0				100				100	40	17	460	3.20	.0						
C	DO3S	24	17.5	0	0	0		100					42	58	36	8	65	1.60	.0						
C Totals		0	4.8	1	1	0		23		77			10	90	37	11	190	2.14	.0						
Totals			10.8	46,972	41,878	5,151		12	14	74	2	4	8	86	33	12	266	1.77	157.4						

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1							
				Project: EROCK										Date 8/22/2025							
														Time 8:19:06AM							
T08N R07W S26 T00CC										T08N R07W S26 T00CC											
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt												
08N	07W	26	U1W TAKE	00CC	57.00	54	77	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	Dia	Bd	CF/ Lf					
D		DO	2S	94	10.4	40,056	35,902	2,046		14	86	0	1	1	97	39	19	567	2.97	63.3	
D		DO	3S	5	10.0	2,097	1,887	108		74	20	5	24	27	15	34	26	11	97	1.07	19.5
D		DO	4S	1	10.0	84	75	4		100			100				19	8	33	0.62	2.3
D Totals				81	10.4	42,237	37,864	2,158		4	15	82	2	2	2	94	36	17	445	2.61	85.1
H		DO	CU		00.0	348											12	20		0.00	1.5
H		DO	2S	75	11.1	7,301	6,491	370		25	75		1	6	94	39	18	460	2.48	14.1	
H		DO	3S	17	10.0	1,684	1,516	86		87	13		4	23	32	40	34	8	72	0.69	21.1
H		DO	4S	8	10.0	712	641	37		100			26	74			24	6	28	0.39	22.6
H Totals				18	13.9	10,046	8,648	493		23	21	56	3	10	10	77	30	10	146	1.14	59.4
A		DO	4S	100		306	306	17		100			100				24	7	40	0.50	7.6
A Totals				1		306	306	17		100			100				24	7	40	0.50	7.6
Type Totals					11.0	52,588	46,817	2,669		8	16	76	2	4	3	90	33	14	308	2.00	152.1

T	Species, Sort Grade - Board Foot Volumes (Type)										Page		1									
	Project: EROCK										Date	8/22/2025										
											Time	8:17:47AM										
T08N R07W S26 T00CC										T08N R07W S26 T00CC												
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
08N	07W	26	U21E TAKE	00CC	65.00	55	65	1	W													
S So Gr Spp T rt ad			% 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	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				00.0	80													10	16		0.00	.8
D DO 2S			92	10.1	28,462	25,596	1,664					15	85	1	1	5	93	38	18	530	2.93	48.3
D DO 3S			7	10.0	2,048	1,843	120			80	20			7	25	47	20	29	10	89	0.94	20.7
D DO 4S			1	10.0	178	160	10			100				75	25			19	7	31	0.48	5.2
D Totals			74	10.3	30,768	27,598	1,794			6	16	79		2	3	8	88	34	15	368	2.35	75.0
H DO 2S			47	10.4	4,585	4,107	267					100				100		40	21	664	3.54	6.2
H DO 3S			48	12.8	4,805	4,190	272			97	3			1	8	52	39	35	8	67	0.59	62.2
H DO 4S			5	10.0	393	354	23			100				56	44			22	6	21	0.38	16.8
H Totals			23	11.6	9,782	8,651	562			51	1	47		3	5	25	66	33	8	102	0.83	85.2
S DO 3S			100	13.3	1,487	1,290	84			3	5	92		3	18	19	59	31	21	636	4.54	2.0
S Totals			3	13.3	1,487	1,290	84			3	5	92		3	18	19	59	31	21	636	4.54	2.0
Type Totals				10.7	42,037	37,539	2,440			16	12	72		2	4	12	82	33	12	232	1.59	162.1

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)										Page 1								
				Project: EROCK										Date 8/22/2025								
														Time 8:20:02AM								
T08N R07W S26 T00CC										T08N R07W S26 T00CC												
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
08N	07W	26	UNIT 3 R/W	00CC	1.00	109	144	1	W													
S So Gr Spp T rt ad			% 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	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		100.0	38													10	16		0.00	.4
D	DO	2S	94	10.3	34,358	30,835	31			0	15	85		0	1	3	96	38	19	547	2.94	56.4
D	DO	3S	5	10.0	2,010	1,809	2			76	21	3		16	27	31	26	28	10	93	1.00	19.4
D	DO	4S	1	10.0	128	115	0			100				84	16			19	8	32	0.53	3.6
D Totals			77	10.3	36,534	32,760	33			5	15	80		2	2	4	92	35	16	411	2.50	79.8
H	DO	CU		100.0	195													12	20		0.00	.9
H	DO	2S	62	10.9	6,140	5,472	5				17	83			1	4	96	39	18	513	2.76	10.7
H	DO	3S	32	11.9	3,094	2,724	3			94	6			2	13	46	39	35	8	69	0.62	39.7
H	DO	4S	6	10.0	575	517	1			100				35	65			23	6	26	0.38	20.2
H Totals			21	12.9	10,003	8,714	9			35	12	52		3	8	17	72	32	9	122	0.96	71.4
S	DO	3S	100	13.3	750	651	1			3	5	92		3	18	19	59	31	21	636	4.54	1.0
S Totals			2	13.3	750	651	1			3	5	92		3	18	19	59	31	21	636	4.54	1.0
A	DO	4S	100		151	151	0			100				100				24	7	40	0.50	3.8
A Totals			0		151	151	0			100				100				24	7	40	0.50	3.8
C	DO	2S	76		81	81	0			100						100		40	17	460	3.20	.2
C	DO	3S	24	17.5	30	25	0			100						42	58	36	8	65	1.60	.4
C Totals			0	4.8	111	105	0			23		77				10	90	37	11	190	2.14	.6
Type Totals				10.9	47,550	42,381	42			11	14	74		2	4	7	87	33	13	271	1.80	156.5

TC PSTATS				PROJECT STATISTICS				PAGE	1			
				PROJECT	EROCK					DATE	8/22/2025	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
08N	07	26	U1W	00CC		123.00	109	435	1	W		
08N	07W	26	U21E	00CC								
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES					
TOTAL			109	435	4.0							
CRUISE			36	144	4.0	9,955	1.4					
DBH COUNT												
REFOREST												
COUNT			71	285	4.0							
BLANKS			2									
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			96	26.5	31.7	108	25.9	145.6	36,176	32,439	7,636	6,866
WHEMLOCK			40	50.0	15.3	49	16.3	63.6	9,907	8,649	2,461	2,187
S SPRUCE			5	.4	41.3	88	0.6	3.7	786	682	169	152
R ALDER			1	3.6	11.0	26	0.7	2.4	144	144	43	43
WR CEDAR			2	.4	27.3	63	0.3	1.5	144	136	50	50
TOTAL			144	80.9	22.2	68	46.1	216.8	47,156	42,051	10,359	9,298
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		36.1	3.7	1,392	1,445	1,498						
WHEMLOCK		109.5	17.3	434	525	615						
S SPRUCE		32.7	16.2	1,541	1,840	2,138						
R ALDER												
WR CEDAR		107.9	101.0		295	593						
TOTAL		59.1	4.9	1,119	1,177	1,235		139	35	15		
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		31.6	3.2	292	302	311						
WHEMLOCK		95.9	15.2	100	118	136						
S SPRUCE		25.9	12.9	353	406	458						
R ALDER												
WR CEDAR		49.9	46.7	64	121	177						
TOTAL		53.7	4.5	239	250	261		115	29	13		
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		73.7	7.0	25	27	28						
WHEMLOCK		118.3	11.3	44	50	56						
S SPRUCE		674.2	64.5	0	0	1						
R ALDER		545.8	52.2	2	4	5						
WR CEDAR		597.4	57.2	0	0	1						
TOTAL		77.2	7.4	75	81	87		238	59	26		
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		58.2	5.6	137	146	154						
WHEMLOCK		107.9	10.3	57	64	70						
S SPRUCE		645.3	61.8	1	4	6						
R ALDER		545.8	52.2	1	2	4						
WR CEDAR		597.8	57.2	1	2	2						
TOTAL		43.4	4.2	208	217	226		75	19	8		

PROJECT STATISTICS

PROJECT EROCK

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07	26	U1W	00CC	123.00	109	435	1	W
08N	07W	26	U21E	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		57.9	5.5	30,641	32,439	34,237			
WHEMLOCK		110.4	10.6	7,736	8,649	9,563			
S SPRUCE		641.7	61.4	263	682	1,100			
R ALDER		545.8	52.2	69	144	219			
WR CEDAR		688.7	65.9	46	136	226			
TOTAL		<i>43.0</i>	<i>4.1</i>	<i>40,320</i>	<i>42,051</i>	<i>43,781</i>	<i>74</i>	<i>18</i>	<i>8</i>

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT EROCK		DATE 8/22/2025				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	07W	26	U1W	00CC	58.00	54	226	1	W	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		54	226	4.2						
CRUISE		22	78	3.5	4,400	1.8				
DBH COUNT										
REFOREST										
COUNT		32	142	4.4						
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		55	27.2	33.1	115	28.2	162.3	42,237	37,864	8,768
WHEMLOCK		21	40.7	16.4	47	14.7	59.5	10,046	8,648	2,348
R ALDER		1	7.6	11.0	26	1.5	5.0	306	306	92
WR CEDAR		1	.3	26.0	41	0.2	1.0	19	19	21
TOTAL		78	75.9	23.5	69	47.0	227.9	52,607	46,837	11,229
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		32.1	4.3	1,433	1,498	1,563				
WHEMLOCK		97.9	21.9	460	588	717				
R ALDER										
WR CEDAR										
TOTAL		55.0	6.2	1,141	1,216	1,292	121	30	13	
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		27.4	3.7	298	310	321				
WHEMLOCK		85.7	19.2	104	128	153				
R ALDER										
WR CEDAR										
TOTAL		49.6	5.6	240	254	268	98	25	11	
CL: 68.1 %	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR		49.7	6.8	25	27	29				
WHEMLOCK		111.2	15.1	35	41	47				
R ALDER		379.3	51.6	4	8	12				
WR CEDAR		734.8	99.9	0	0	1				
TOTAL		62.6	8.5	69	76	82	156	39	17	
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		47.2	6.4	152	162	173				
WHEMLOCK		102.6	13.9	51	59	68				
R ALDER		379.3	51.6	2	5	8				
WR CEDAR		734.8	99.9	0	1	2				
TOTAL		30.5	4.1	218	228	237	37	9	4	
CL: 68.1 %	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5 10		15		
DOUG FIR		47.8	6.5	35,404	37,864	40,324				
WHEMLOCK		109.2	14.8	7,364	8,648	9,932				
R ALDER		379.3	51.6	148	306	463				
WR CEDAR		734.8	99.9	0	19	38				
TOTAL		33.2	4.5	44,723	46,837	48,950	44	11	5	

TC TSTATS				STATISTICS PROJECT EROCK				PAGE	2
								DATE	8/22/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07W	26	U1W	00CC	58.00	54	226	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

TC TSTATS				STATISTICS				PAGE	1		
				PROJECT EROCK				DATE	8/22/2025		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
08N	07W	26	U21E	00CC	65.00	55	209	1	W		
				TREES	ESTIMATED	PERCENT					
				PER PLOT	TOTAL	SAMPLE					
					TREES	TREES					
TOTAL		55	209	3.8							
CRUISE		14	66	4.7	5,555		1.2				
DBH COUNT											
REFOREST											
COUNT		39	143	3.7							
BLANKS		2									
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		41	25.9	30.4	102	23.7	130.7	30,768	27,598	6,626	5,951
WHEMLOCK		19	58.4	14.5	51	17.7	67.3	9,782	8,651	2,562	2,306
S SPRUCE		5	.7	41.3	88	1.1	6.9	1,487	1,290	319	287
WR CEDAR		1	.5	28.0	75	0.4	2.0	255	241	75	75
TOTAL		66	85.5	21.1	67	45.1	206.9	42,292	37,780	9,582	8,619
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		41.5	6.5	1,284	1,373	1,462					
WHEMLOCK		127.8	30.1	317	454	591					
S SPRUCE		32.7	16.2	1,541	1,840	2,138					
WR CEDAR											
TOTAL		64.4	7.9	1,042	1,131	1,221	166	41	18		
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		37.2	5.8	274	291	308					
WHEMLOCK		111.2	26.2	79	107	135					
S SPRUCE		25.9	12.9	353	406	458					
WR CEDAR											
TOTAL		58.9	7.2	227	245	262	138	35	15		
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		90.3	12.2	23	26	29					
WHEMLOCK		114.9	15.5	49	58	67					
S SPRUCE		475.8	64.1	0	1	1					
WR CEDAR		519.5	70.0	0	0	1					
TOTAL		84.0	11.3	76	85	95	282	70	31		
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		69.3	9.3	118	131	143					
WHEMLOCK		110.0	14.8	57	67	77					
S SPRUCE		455.0	61.3	3	7	11					
WR CEDAR		519.5	70.0	1	2	3					
TOTAL		53.5	7.2	192	207	222	114	29	13		
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		68.3	9.2	25,060	27,598	30,137					
WHEMLOCK		111.9	15.1	7,347	8,651	9,955					
S SPRUCE		452.4	60.9	504	1,290	2,076					
WR CEDAR		519.5	70.0	72	241	409					
TOTAL		52.2	7.0	35,123	37,780	40,437	109	27	12		

TC TSTATS				STATISTICS			PAGE	2	
				PROJECT	EROCK		DATE	8/22/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07W	26	U21E	00CC	65.00	55	209	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

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT EROCK				DATE	8/20/2025	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
08N	07W	26	UNIT 3 R/W	00CC	1.00	109	435	1	W	
		PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL		109	435	4.0						
CRUISE		36	144	4.0	80	180.2				
DBH COUNT										
REFOREST										
COUNT		71	285	4.0						
BLANKS		2								
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	96	26.5	31.9	109	25.9	146.4	36,534	32,760	7,698	6,923
WHEMLOCK	40	48.9	15.4	49	16.2	63.4	10,003	8,714	2,461	2,183
S SPRUCE	5	.4	41.3	88	0.5	3.5	750	651	161	145
R ALDER	1	3.8	11.0	26	0.8	2.5	151	151	45	45
WR CEDAR	2	.4	26.9	57	0.3	1.5	111	105	44	44
TOTAL	144	79.9	22.3	68	46.0	217.3	47,550	42,381	10,411	9,340
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	36.1	3.7	1,392	1,445	1,498					
WHEMLOCK	109.5	17.3	434	525	615					
S SPRUCE	32.7	16.2	1,541	1,840	2,138					
R ALDER										
WR CEDAR	107.9	101.0		295	593					
TOTAL	59.1	4.9	1,119	1,177	1,235		139	35	15	
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	31.6	3.2	292	302	311					
WHEMLOCK	95.9	15.2	100	118	136					
S SPRUCE	25.9	12.9	353	406	458					
R ALDER										
WR CEDAR	49.9	46.7	64	121	177					
TOTAL	53.7	4.5	239	250	261		115	29	13	
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	72.4	6.9	25	26	28					
WHEMLOCK	115.4	11.0	44	49	54					
S SPRUCE	674.2	64.5	0	0	1					
R ALDER	545.8	52.2	2	4	6					
WR CEDAR	598.3	57.3	0	0	1					
TOTAL	74.7	7.2	74	80	86		223	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	
DOUG FIR	58.1	5.6	138	146	155					
WHEMLOCK	106.7	10.2	57	63	70					
S SPRUCE	645.3	61.8	1	3	6					
R ALDER	545.8	52.2	1	2	4					
WR CEDAR	597.2	57.1	1	1	2					
TOTAL	42.7	4.1	208	217	226		73	18	8	

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	EROCK			DATE	8/20/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
08N	07W	26	UNIT 3 R/W	00CC	1.00	109	435	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		57.6	5.5	30,955	32,760	34,564			
WHEMLOCK		109.9	10.5	7,798	8,714	9,630			
S SPRUCE		641.7	61.4	251	651	1,051			
R ALDER		545.8	52.2	72	151	230			
WR CEDAR		697.7	66.8	35	105	176			
TOTAL		42.7	4.1	40,649	42,381	44,114	73	18	8

TC PLOGSTVB		Log Stock Table - MBF																	
T08N R07W S26 Ty00CC57.00 T08N R07W S26 Ty00CC65.00 T08N R07W S26 Ty00CC1.00				Project: EROCK Acres123.00										Page 1 Date 8/22/2025 Time 8:25:12AM					
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+	
D	DO CU	10	5	100.0															
D	DO 2S	14	2	10.0	2	.0					2								
D	DO 2S	16	12	10.0	11	.3					2		9						
D	DO 2S	20	5	10.0	5	.1			0		5								
D	DO 2S	24	25	10.0	23	.6					3	15	5						
D	DO 2S	28	6	10.0	5	.1					5								
D	DO 2S	30	10	10.0	9	.2					3	6							
D	DO 2S	32	117	10.0	105	2.6					29	31	34	12					
D	DO 2S	34	8	10.0	8	.2					8								
D	DO 2S	36	21	10.0	19	.5				0	8	11							
D	DO 2S	40	3,961	10.3	3,555	89.2					115	139	879	1212	1129		81		
D	DO 3S	14	4	10.0	4	.1			2			2							
D	DO 3S	16	15	10.0	13	.3					13								
D	DO 3S	18	3	10.0	3	.1					3								
D	DO 3S	20	17	10.0	15	.4			4		9	2							
D	DO 3S	24	15	10.0	14	.3			2		12								
D	DO 3S	26	35	10.0	32	.8					20	12							
D	DO 3S	28	6	10.0	6	.1			3		3								
D	DO 3S	30	10	10.0	9	.2			3		3	3							
D	DO 3S	32	81	10.0	73	1.8			30		22	15	6						
D	DO 3S	36	22	10.0	20	.5			3		13	4							
D	DO 3S	38	8	10.0	8	.2					8								
D	DO 3S	40	37	10.0	33	.8			6		19	9							
D	DO 4S	16	4	10.0	4	.1			4										
D	DO 4S	18	6	10.0	5	.1			5										
D	DO 4S	20	4	10.0	3	.1			3										
D	DO 4S	26	3	10.0	3	.1			3										
D	Totals		4,444	10.3	3,985	77.4			10	57	125	220	206	933	1224	1129	81		
H	DO CU	12	20	100.0															
H	DO 2S	24	3	10.0	3	.3					3								
H	DO 2S	32	23	10.0	21	2.0						9	12						
H	DO 2S	40	694	10.9	618	58.1					13	30	207	208	160				
H	DO 3S	16	2	10.0	2	.2					2								
H	DO 3S	18	2	10.0	2	.2					2								
H	DO 3S	20	3	10.0	3	.3						3							

TC PLOGSTVB				Log Stock Table - MBF																
T08N R07W S26 Ty00CC 57.00				Project: EROCK Acres 123.00										Page 2						
T08N R07W S26 Ty00CC 65.00														Date 8/22/2025						
T08N R07W S26 Ty00CC 1.00														Time 8:25:12AM						
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	3S	24	9	10.0	8	.8				2	2	4							
H	DO	3S	26	3	10.0	3	.2					3								
H	DO	3S	28	4	10.0	4	.4					4								
H	DO	3S	30	31	15.4	27	2.5				2	17	7							
H	DO	3S	32	162	12.4	142	13.3			22	79	37	5							
H	DO	3S	34	34	10.0	30	2.9			30										
H	DO	3S	36	27	21.7	21	2.0			16		5								
H	DO	3S	38	5	10.0	5	.4				5									
H	DO	3S	40	128	10.0	115	10.8			89	20	6								
H	DO	4S	16	2	10.0	2	.1				2									
H	DO	4S	20	23	10.0	21	2.0			21										
H	DO	4S	24	30	10.0	27	2.5			27										
H	DO	4S	28	6	10.0	5	.5			5										
H	DO	4S	30	6	10.0	5	.5			5										
H	Totals			1,218	12.7	1,064	20.7			215	110	78	35	40	219	208	160			
A	DO	4S	24	18		18	100.0			18										
A	Totals			18		18	.3			18										
S	DO	3S	14	1	10.0	1	1.1							1						
S	DO	3S	16	1	10.0	1	1.1					1								
S	DO	3S	18	1	10.0	1	1.2							1						
S	DO	3S	24	8	13.0	7	8.3							1			6			
S	DO	3S	28	11	23.3	9	10.1											9		
S	DO	3S	32	18	10.0	16	19.3									5	11			
S	DO	3S	40	57	12.6	50	58.9					2			5	17		26		
S	Totals			97	13.3	85	1.6					2	1	3	5	22	17	35		
C	DO	2S	40	0		0	76.5							0						
C	DO	3S	32	0	33.3	0	10.0				0									
C	DO	3S	40	0		0	13.5			0										
C	Totals			0	4.8	0	.0			0	0			0						
Total	All Species			5,778	10.8	5,151	100.0			243	166	205	256	249	1157	1454	1305	116		

TC PSTNDSUM		Stand Table Summary										Page 1			
												Date: 8/22/2025			
T08N R07W S26 Ty00CC 57.00 T08N R07W S26 Ty00CC 65.00 T08N R07W S26 Ty00CC 1.00					Project EROCK					Time: 8:25:54AM					
					Acres 123.00					Grown Year:					
S Spec T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	T o t a l s		
	DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
D	14	2	86	81	1.587	1.70	3.17	14.9	54.0		47	171	58	21	
D	18	2	86	119	.960	1.70	2.88	23.4	87.0		67	251	83	31	
D	23	4	87	134	1.176	3.39	3.53	44.1	186.0		156	656	191	81	
D	24	2	85	142	.540	1.70	1.62	51.3	213.0		83	345	102	42	
D	25	2	86	124	.405	1.38	1.21	49.2	201.0		60	244	74	30	
D	26	4	87	166	.835	3.08	2.50	62.9	293.7		157	735	194	90	
D	27	10	87	141	1.895	7.53	5.68	60.5	269.5		344	1,532	423	188	
D	29	10	85	134	1.574	7.22	4.72	68.5	307.1		323	1,450	398	178	
D	30	10	86	140	1.470	7.22	4.41	77.2	359.6		341	1,586	419	195	
D	31	10	83	146	1.437	7.53	4.58	76.4	347.1		350	1,588	430	195	
D	32	12	85	139	1.596	8.91	4.48	91.2	422.8		409	1,896	503	233	
D	33	18	84	155	2.251	13.37	6.75	97.5	458.3		658	3,095	810	381	
D	34	12	84	141	1.414	8.91	4.46	92.0	428.1		410	1,910	505	235	
D	35	24	83	151	2.811	18.78	8.84	101.7	488.9		899	4,324	1,106	532	
D	36	16	85	153	1.696	11.99	5.48	108.1	537.5		593	2,946	729	362	
D	37	8	84	153	.782	5.84	2.53	112.1	554.2		284	1,402	349	172	
D	38	18	84	145	1.738	13.69	5.21	123.3	603.5		643	3,147	791	387	
D	39	10	83	154	.908	7.53	2.72	135.3	664.9		369	1,812	453	223	
D	40	4	84	155	.316	2.76	.95	145.0	727.5		138	690	169	85	
D	41	2	82	145	.151	1.38	.45	145.8	720.0		66	325	81	40	
D	42	6	84	146	.529	5.09	1.59	151.9	751.0		241	1,192	297	147	
D	44	4	84	134	.321	3.39	.96	155.4	768.0		150	740	184	91	
D	45	2	78	174	.125	1.38	.50	141.7	720.0		71	360	87	44	
D	Totals	192	85	141	26.518	145.48	79.26	86.5	408.8		6,858	32,398	8,435	3,985	
H	10	12	86	66	17.662	9.63	17.66	12.3	42.9		218	757	268	93	
H	11	2	85	59	2.857	1.89	2.86	16.2	45.0		46	129	57	16	
H	12	6	85	58	5.776	4.54	5.78	17.9	49.9		104	288	127	35	
H	13	12	85	72	11.058	10.19	17.19	16.5	53.2		283	916	348	113	
H	14	4	85	82	3.004	3.21	6.01	17.1	53.5		102	321	126	40	
H	15	4	84	81	3.073	3.77	6.15	19.1	63.0		118	387	145	48	
H	22	2	83	115	.502	1.33	1.00	35.1	139.5		35	140	43	17	
H	23	2	85	102	.459	1.33	.92	58.0	220.5		53	203	66	25	
H	24	2	86	102	.422	1.33	.84	60.3	220.5		51	186	63	23	
H	25	2	86	102	.389	1.33	.78	67.0	261.0		52	203	64	25	
H	26	4	85	120	.719	2.65	2.16	54.6	220.5		118	476	145	59	
H	27	2	83	101	.474	1.89	.95	78.3	292.5		74	277	91	34	
H	28	4	89	128	.620	2.65	1.86	69.6	334.5		129	622	159	77	
H	29	2	85	137	.289	1.33	.87	75.3	369.0		65	320	80	39	
H	30	2	81	97	.384	1.89	.77	89.1	306.0		68	235	84	29	
H	31	4	82	110	.613	3.21	1.48	87.7	357.1		130	528	159	65	
H	32	2	89	135	.338	1.89	1.01	97.8	492.0		99	498	122	61	
H	33	2	88	131	.223	1.33	.67	99.0	492.0		66	329	82	41	
H	34	4	84	118	.509	3.21	1.23	99.5	451.5		122	555	150	68	
H	35	2	83	129	.282	1.89	.85	102.3	471.0		87	399	107	49	
H	36	4	86	138	.454	3.21	1.36	122.7	646.6		167	881	206	108	
H	Totals	80	85	74	50.107	63.66	72.39	30.2	119.5		2,189	8,650	2,692	1,064	
S	35	2	82	99	.110	.74	.22	129.1	481.5		29	106	35	13	
S	40	2	83	111	.085	.74	.25	120.6	549.0		31	139	38	17	
S	43	2	86	112	.073	.74	.22	153.6	795.0		34	175	41	21	
S	44	2	83	104	.070	.74	.21	136.5	594.0		29	125	35	15	
S	48	2	77	116	.059	.74	.18	179.1	807.0		32	142	39	17	

TC		PSTNDSUM		Stand Table Summary										Page 2	
														Date: 8/22/2025	
T08N R07W S26 Ty00CC 57.00 T08N R07W S26 Ty00CC 65.00 T08N R07W S26 Ty00CC 1.00				Project EROCK Acres 123.00										Time: 8:25:54AM Grown Year:	
S	Tot							Average Log		Net Net		Totals			
Sp	Sample	FF	Av		Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.	Tons	Cunits	MBF
	DBH	Trees	16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre			
S	Totals	10	82	107	.397	3.69	1.08	141.7	636.0		153	687		188	85
A	11	2	86	37	3.571	2.36	3.57	12.0	40.0		43	143		53	18
A	Totals	2	86	37	3.571	2.36	3.57	12.0	40.0		43	143		53	18
C	26	1	78	52	.002	.01	.00	78.0	70.0		0	0		0	0
C	28	1	82	101	.001	.01	.00	81.5	260.0		0	1		0	0
C	Totals	2	80	75	.003	.01	.00	80.2	190.3		0	1		0	0
Totals		286	85	95	80.596	215.20	156.30	59.1	267.9		9,243	41,878		11,369	5,151

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2026-W01166-01
EROCK
PORTIONS OF SECTIONS
23, & 26 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON



Logging Breakdown	Tractor	Cable	Acres
Unit 1 (CC)	100%	0%	77
Unit 2 (CC)	100%	0%	45
Unit 3 (R/W)	100%	0%	1
Total	100%	0%	123

0 500 1,000 2,000
Feet

1 inch = 1,000 feet Contour = 40 feet

