



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Slough Hill
Sale AT-341-2027-W01187-01

District: Astoria

Date: April 08, 2026

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,132,656.44	\$38,224.45	\$1,170,880.89
		Project Work:	(\$90,209.00)
		Advertised Value:	\$1,080,671.89



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District: Astoria

Date: April 08, 2026

Timber Description

Location:

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	98
Western Hemlock / Fir	20	0	95
Sitka Spruce	20	0	95
Alder (Red)	11	0	95
Maple	19	0	95

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	8" - 9"	10" - 11"	6" - 7"	Camprun	Total
Douglas - Fir	900	1,258	0	0	0	0	0	2,158
Western Hemlock / Fir	369	145	0	0	0	0	0	514
Sitka Spruce	125	31	40	0	0	0	0	196
Alder (Red)	0	0	0	19	19	139	0	177
Maple	0	0	0	0	0	0	34	34
Total	1,394	1,434	40	19	19	139	34	3,079

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

Expected Log Markets: Forest Grove, Mist, Tillamook, Warrenton, Wauna, Willamina, Longview, WA

PRICING:

Western redcedar = pond value - (Douglas-fir) logging cost.
 $\$1,019.12/\text{MBF} = \$1300/\text{MBF} - \$280.88/\text{MBF}$

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

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

Ditch Filters:

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

2 hours of labor (installation/removal) @ \$50/hr = \$100

Total P&R Cost = \$2,367.80

Other Costs (No Profit & Risk added): None

SLASH PILING

(See attached appraisal. Includes move-in and pile materials) = \$22,783.50

ROAD MAINTENANCE

(See attached Road Maintenance Cost Summary Sheet)

TOTAL Road Maintenance: $\$12,644/3,079 \text{ MBF} = \$4.11/\text{MBF}$



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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%
	Maple	100.00%
Logging System:	Shovel	Process: Manual Delimbing
yarding distance:	Medium (800 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	15	bd. ft / load: 4500
cost / mbf:	\$148.15	
machines:	Shovel Logger	



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Logging Costs

Operating Seasons: 3.00

Profit Risk: 12%

Project Costs: \$90,209.00

Other Costs (P/R): \$2,367.80

Slash Disposal: \$22,783.50

Other Costs: \$0.00

Miles of Road

Road Maintenance: \$4.11

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	5.0
Western Hemlock / Fir	\$0.00	3.0	5.0
Sitka Spruce	\$0.00	3.0	5.0
Alder (Red)	\$0.00	3.0	4.8
Maple	\$0.00	2.0	4.5



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Date: April 08, 2026

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$148.15	\$4.19	\$4.28	\$85.00	\$0.77	\$29.09	\$7.40	\$2.00	\$0.00	\$280.88
Western Hemlock / Fir									
\$148.15	\$4.32	\$4.28	\$87.50	\$0.77	\$29.40	\$7.40	\$2.00	\$0.00	\$283.82
Sitka Spruce									
\$148.15	\$4.32	\$4.28	\$87.50	\$0.77	\$29.40	\$7.40	\$2.00	\$0.00	\$283.82
Alder (Red)									
\$148.15	\$4.32	\$4.28	\$91.15	\$0.77	\$29.84	\$7.40	\$2.00	\$0.00	\$287.91
Maple									
\$148.15	\$4.32	\$4.28	\$145.83	\$0.77	\$36.40	\$7.40	\$2.00	\$0.00	\$349.15

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$724.19	\$443.31	\$0.00
Western Hemlock / Fir	\$0.00	\$548.59	\$264.77	\$0.00
Sitka Spruce	\$0.00	\$487.40	\$203.58	\$0.00
Alder (Red)	\$0.00	\$495.06	\$207.15	\$0.00
Maple	\$0.00	\$395.00	\$45.85	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	2,158	\$443.31	\$956,662.98
Western Hemlock / Fir	514	\$264.77	\$136,091.78
Sitka Spruce	196	\$203.58	\$39,901.68
Alder (Red)	177	\$207.15	\$36,665.55
Maple	34	\$45.85	\$1,558.90

Gross Timber Sale Value

Recovery: \$1,170,880.89

Prepared By: John Czarnecki

Phone: 503-325-5451

Road Maintenance Cost Summary (Interim and Post Harvest)

Sale: Slough Hill
Date: April 1st, 2026
By: Michele Huffman

MBF: 3,079
\$/MBF: \$4.11

Type	Equipment/Rationale	Move-in Rate	Times	Hours	Rate	Cost
Interim Maintenance	Grader 14G	\$972	1	4	\$126	\$1,476
	Dump Truck 12CY	\$205	1	4	\$99	\$601
	Rubber tired backhoe	\$401	1	2	\$97	\$595
Final Road Maintenance	Grader 14G	\$972	1	14	\$126	\$2,736
	Dump Truck 12CY	\$205	2	8	\$99	\$1,202
	Rubber tired backhoe	\$401	1	4	\$105	\$821
	Vibratory Roller	\$972	1	14	\$97	\$2,330
	Water Truck 2,500 gallon	\$238	1	6	\$113	\$916
	C315 Excavator	\$1,005	1	6	\$127	\$1,767
	Labor			4	\$50	\$200
Total						\$12,644

Interim Operations Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	3.0	1.5	0.5	4

Final Road Maintenance

Production Rates	Miles/day	Distance (miles)	Days	Hours
Grader	1.8	3.0	1.7	14
Vibratory Roller	1.8	3.0	1.7	14

Process and Compact

Fertile Valley Road 1.7 Miles
Unnamed Spurs: 0.6 Miles
New Road Construction (Surfaced): 0.1 Miles
Process and Compact Total: 2.4 Miles

Site Prep Appraisal

Sale Name: Slough Hill
Date: 04/16/2026

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

Sale Area	Harvest Type	Veg Type/Zone	Ground Based Yarding Acres	Estimated Piling Hours/Area	Cost/Hour	Total Cost/Area
1	MC	B	109	109	\$145.00	\$15,805.00
2	MC	F		0	\$145.00	\$0.00
3	MC	F		0	\$145.00	\$0.00
				FALSE	\$145.00	\$0.00
				In-unit Piling		Sub Total = \$15,805.00

Sale Area	Number of Landings to be Piled	# acres per piling area	Total Cost/Area	Number of In-Unit Piles	Material Cost/Pile	Total Cost/Area
1	15	109	\$3,161.00	505.5	\$5.00	\$2,527.50
2	0	0	\$0.00	0	\$5.00	\$0.00
3	0	0	\$0.00	0	\$5.00	\$0.00
			FALSE	0	\$5.00	\$0.00
				Materials		Sub Total = \$2,527.50

*Cost includes separating firewood

Move-In Allowance	Additional Move-in allowance Number of Move-In's	Total Move-In Allowance	Landing Piling	Sub Total =
\$1,290.00	1	\$1,290.00		
			Move-In	Sub Total = \$1,290.00

Dump Truck hrs	Cost/Hour	Total	Loader hrs	Cost/Hour	Total	Sub Total =
0	\$89.00	\$0.00	0	\$145.00	\$0.00	\$0.00
						Sub Total = \$0.00
						Grand Total = \$22,783.50

Slash Endhaul

SUMMARY OF ALL PROJECT COSTS

SALE NAME: Slough Hill

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
Surfaced	4.80	0.09	\$5,814.65
1A to 1B			
Unsurfaced	38.60	0.73	\$13,770.70
1C to 1D, 1E to 1F,			
1G to 1H,			
Road Maint.			\$302.27
Move-In			\$2,668.60
TOTALS	43.40	0.82	\$22,556

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length (Sta)</u>	<u>Length (Mile)</u>	<u>Cost</u>
I1 to I2,	118.9	2.25	\$45,727.59
I3 to I4,			
I5 to I6			
Road Maint.			\$705.73
Move-In			\$6,230.60
TOTALS		2.25	\$52,664

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 Fill Vacating		\$2,649.00
Proj. 4 Unauthorized Trail Vacating		\$7,280.00
Proj. 5 Waterhole Improvement		\$5,060.00
TOTAL		\$14,989

GRAND TOTAL **\$90,209**

Compiled By: Brittany Lampa

Date: 04/15/2026

Move In and Maintenance Calculator for Construction and Improvement

SALE NAME: Slough Hill

Project No. 1: ROAD CONSTRUCTION:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>	
<u>Surfaced</u>	<u>4.80</u>	<u>0.09</u>	<u>\$5,814.65</u>	
<u>1A to 1B</u>				
<u>Unsurfaced</u>	<u>38.60</u>	<u>0.73</u>	<u>\$13,770.70</u>	
<u>1C to 1D, 1E to 1F,</u>				
<u>1G to 1H,</u>				
TOTALS	43.40	0.82		\$19,585

Project No. 2: ROAD IMPROVEMENT:

<u>Road segment</u>	<u>Length/Sta</u>	<u>Length/Mile</u>	<u>Cost</u>	
<u>I1 to 12,</u>	<u>118.90</u>	<u>2.25</u>	<u>\$45,728</u>	
<u>I3 to I4,</u>				
<u>I5 to I6</u>				
TOTALS		2.25		\$45,728

MOVE IN (Construction & Improvement Only)

<u>Equipment</u>	<u>Length/Mile</u>	<u>Cost</u>	
<u>Vibratory Roller</u>		<u>\$972</u>	
<u>D8 Dozer</u>		<u>\$1,755</u>	
<u>C315 Excavator</u>		<u>\$1,005</u>	
<u>C330 Excavator</u>		<u>\$1,755</u>	
<u>C966 Loader</u>		<u>\$972</u>	
<u>14 G Grader</u>		<u>\$972</u>	
<u>Water Truck (2,500 gal)</u>		<u>\$238</u>	
<u>Dump Truck 12cy (x6)</u>		<u>\$1,230</u>	
TOTAL			\$8,899

ROAD MAINTENANCE (Construction & Improvement Only)

	<u>Length/Mile</u>	<u>Cost</u>	
<u>Nicolai Mainline</u>	<u>2.23</u>	<u>\$1,008.00</u>	
<u>Hunt Creek Road</u>			
TOTAL			\$1,008.00

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Slough Hill
 ROAD: 1A to 1B (4.8), 1C to 1D (9.0), 1E to 1F (23.1)
 1G to 1H (6.5)

NEW CONSTRUCTION: 43.40 STATIONS
 IMPROVEMENT: 0.00 MILES

POINTS: 0.82 MILES
 0.00 MILES

CLEARING & GRUBBING						
Method	Acres/amount	x	Rate	=	Cost	
Surfaced						
1A to 1B (4.8), Scatter outside of right of way	0.44	x	\$ 1,669	=	\$734.36	
Unsurfaced						
1C to 1D (9.0), Scatter outside of right of way	2.45	x	\$ 1,669	=	\$4,089.05	
1E to 1F (23.1), 1G to 1H (6.5)						
SUB TOTAL FOR CLEARING & GRUBBING						\$4,823

EXCAVATION						
Material	Cy/amount	x	Rate	=	Cost	
1A to 1B						
0+00 to 4+80 Balanced construction	4.8	x	\$154.00	=	\$739.20	
1E to 1F						
3+00 to 23+10 Balanced construction	20.1	x	\$154.00	=	\$3,095.40	
3+00 to 6+00 Move and pile reclaim rock C330 and Dump Truck	3	x	\$305.00	=	\$915.00	
1G to 1H						
0+00 to 6+50 Balanced construction	6.5	x	\$154.00	=	\$1,001.00	
SUB TOTAL FOR EXCAVATION						\$5,751

CULVERT MATERIALS AND INSTALLATION								
Location	Dia/type	Lineal ft.	Rate	Cost	Location	Dia/type	Lineal ft.	Cost
1A to 1B								
0+00	18" CPP	30	\$29.73	\$891.90				
1G to 1H								
0+00	18" CPP	30	\$29.73	\$891.90				
Other/miscellaneous:								
Culvert stakes & markers:								
	6' x 2 1/2" white fiberglass posts	2	\$25.53	\$51.06				
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION					\$1,835			
Subtotal of Clearing, Exc., Culv.					\$12,409			

SURFACING		Subgrade prep:		Description		Stations/ amount	x	Rate/ sta/amt	Cost
				Grade, Shape and Ditch 16':	1A to 1B (4.8), 1C to 1D (9), 1E to 1F (3)	16.8	x	\$30.98	\$520
				Grade, Shape, Outslope 14':	1E to 1F (20.1), 1G to 1H (6.5)	26.6	x	\$22.89	\$609
				Subgrade Compaction:	1A to 1B (4.8), 1C to 1D (9), 1E to 1F (23.1), 1G to 1H (6.5)	43.4	x	\$25.19	\$1,093

ROAD SEGMENT 1A to 1B									
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Cost
				Volume (CY) per	Number of	0+00 to 4+80	Rate/ Sta./ amt.		
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1	11	\$95
Base Rock	6"-0" jaw-run	0+00 to 4+80	10	station	63	stations	4.80	302	\$2,625
Turnarounds	6"-0" jaw-run	3+95	N/A	turnaround	11	turnarounds	1	11	\$95
Total Rock for Road Segment:				1A to 1B				324	\$2,816

ROAD SEGMENT 1C to 1D									
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Cost
				Volume (CY) per	Number of	0+00 to 9+00	Rate/ Sta./ amt.		
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1	11	\$95
Base Rock	6"-0" jaw-run	0+00 to 1+00	8	station	50	stations	1.00	50	\$434
Total Rock for Road Segment:				1C to 1D				61	\$529

ROAD SEGMENT 1E to 1F									
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Cost
				Volume (CY) per	Number of	0+00 to 23+10	Rate/ Sta./ amt.		
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1	11	\$95
Base Rock	6"-0" jaw-run	0+00 to 1+00	8	station	50	stations	1.00	50	\$434
Total Rock for Road Segment:				1E to 1F				61	\$529

ROAD SEGMENT 1G to 1H									
Application	Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	Cost
				Volume (CY) per	Number of	0+00 to 6+50	Rate/ Sta./ amt.		
Junction Rock	4"-0" crushed	0+00	N/A	junction	11	junctions	1	11	\$95
Base Rock	6"-0" jaw-run	0+00 to 1+00	8	station	50	stations	1.00	50	\$434
Total Rock for Road Segment:				1G to 1H				61	\$529

Processing:	Description		No.sta	Rate/sta	Cost		
	Water, Process & Compact Base Rock: 1A to 1B (4.8), 1C to 1D (1),		7.8	\$70.47	\$549.67		
	(4"-0", 6"-0" jaw-run) 1E to 1F (1), 1G to 1H (1)						
		SUB TOTAL FOR SURFACING		507	\$7,176		
		6"-0"jr	463	4"-0" crushed	44	Total	507

Compiled By: Brittany Lampa

Date: 04/14/2026

SUMMARY OF CONSTRUCTION COSTS

SALE NAME: Slough Hill
ROAD: I1 to I2 (88.7), I3 to I4 (14.5), I5 to I6 (15.7)
POINTS:
NEW CONSTRUCTION: STATIONS 0.00 MILES
IMPROVEMENT: 118.90 STATIONS 2.25 MILES

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

EXCAVATION				
Material	Cy/amount	x	Rate	= Cost
I1 to I2				
0+00 to 88+70 Clear debris from road prism	(C315/hr) 5.0	x	\$127.00	= \$635.00
56+65, 64+40, 64+80 Install rock ditch filters	(C315/hr) 1.5	x	\$127.00	= \$190.50
56+65 Construct ditchout	(C315/hr) 0.5	x	\$127.00	= \$63.50
64+60 *See fill replacement cost sheet	N/A	x	N/A	= \$4,788.00
82+60, 88+70 Construct turnaround	(C315/hr) 2.0	x	\$127.00	= \$254.00
I3 to I4				
14+50 Reestablish drainage at landing	(C315/hr) 1.0	x	\$127.00	= \$127.00
I5 to I6				
11+80 Construct turnaround	(C315/hr) 1.00	x	\$127.00	= \$127.00
SUB TOTAL FOR EXCAVATION				\$6,185

CULVERT MATERIALS AND INSTALLATION				
Location	Dia/type	Lineal ft.	Rate	Cost
I1 to I2				
64+60 24" CPP	50		\$31.00	\$1,550.00
69+90 18" CPP	30		\$29.73	\$891.90
87+15 18" CPP	30		\$29.73	\$891.90

Other/miscellaneous:			
Description	Quantity	Rate	Cost
Seed	0.1	\$784.00	\$78.40
Mulch	10.0	\$13.39	\$133.90
Culvert stakes & markers:			
6' x 2 1/2" white fiberglass posts	1	\$25.53	\$25.53
SUB TOTAL FOR CULVERT MATERIALS & INSTALLATION			\$3,572
Subtotal of Clearing, Exc., Culv.			\$9,757

SURFACING									
Subgrade prep:		Description			Stations/ amount	x	Rate/ sta/amt	Cost	
Grade, Shape and Ditch 16": I1 to I2 (42+45 to 63+00 (20.55))					20.55	x	\$30.98	\$636.64	
Grade and Shape: I1 to I2 (63+00 to 88+70 (25.7)), I3 to I4 (14.5), I5 to I6 (15.7), I5 to I6 "Y" jct. (0.7)					56.60	x	\$15.49	\$876.73	
Spot Grade (14G/hr): I1 to I2 (0+00 to 42+45 (42.45))					4	x	\$126.00	\$504.00	
Subgrade Compaction: I1 to I2 (42+45 to 88+70 (46.26)), I3 to I4 (14.5), I5 to I6 (11.8), I5 to I6 "Y" jct. (0.7)					73.25	x	\$25.19	\$1,845.17	
Sod Removal: I1 to I2 (63+00 to 88+70 (25.7)), I3 to I4 (14.5), I5 to I6 (15.7), I5 to I6 "Y" jct. (0.7)					56.60	x	\$29.08	\$1,645.93	
Backhoe to scatter sod debris: I1 to I2 (63+00 to 88+70 (25.7)), I3 to I4 (14.5), I5 to I6 (0+00 to 11+80 (11.8)), I5 to I6 "Y" jct. (0.7)					52.70	x	\$11.19	\$589.71	
Backhoe and dump truck to end haul debris: I5 to I6 (11+80 to 15+70 (3.9))					3.90	x	\$22.68	\$88.45	
ROAD SEGMENT									
Application	I1 to I2 Rock Size and Type	Location	Depth of Rock (inches)	POINT TO POINT		Sta. to Sta. 0+00 to 88+70 Number of	TOTAL VOLUME (CY)	Rate/ Sta./ amt.	Cost
				I1 to I2 Volume (CY) per					
Surfacing	3/4"-0" crushed	42+45 to 63+00	2	station	13	20.55	267	\$8.68	\$2,319
Turnouts	3/4"-0" crushed	45+40, 47+30	N/A	turnout	11	turnouts	22	\$8.68	\$191
Junctions	3/4"-0" crushed	42+45, 48+15	N/A	junction	11	junctions	22	\$8.68	\$191
Surfacing	4"-0" crushed	63+00 to 88+70	6	station	38	25.7	977	\$8.68	\$8,477
Turnouts	4"-0" crushed	70+40, 78+05	N/A	turnout	11	turnouts	22	\$8.68	\$191
Junctions	4"-0" crushed	63+60, 64+25	N/A	junction	11	junctions	22	\$8.68	\$191
Junctions	4"-0" crushed	67+40	N/A	junction	22	junctions	22	\$8.68	\$191
Turnarounds	4"-0" crushed	82+60, 88+70	N/A	turnaround	11	turnarounds	22	\$8.68	\$191
Rock Ditch Filters	6"-4" pit-run	56+65, 57+70, 64+40, 64+80	N/A	3 filter series	11	4	44	\$8.68	\$382
Culvert Bedding and Backfill	3/4"-0" crushed	69+90, 87+15	N/A	culvert	33	culverts	66	\$8.68	\$573
Culvert Bedding and Backfill	3/4"-0" crushed	64+60	N/A	culvert	33	culverts	33	\$8.68	\$286
Fill Armoring	24"-6" riprap	64+60	N/A	load	11	loads	66	\$8.68	\$573
Dissipator	24"-6" riprap	64+60	N/A	load	11	loads	11	\$8.68	\$95
Surfacing	4"-0" crushed	64+60	4	station	25	stations	1	\$8.68	\$217
Total Rock for Road Segment:							1,621	\$8.68	\$14,068

ROAD SEGMENT				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		0+00 to 14+50	Number of				
Subgrade Leveling Rock	4"-0" crushed	4+20	N/A	load	11	loads	2	22	\$8.68	\$191	
Surfacing	4"-0" crushed	0+00 to 14+50	6	station	38	stations	14.5	551	\$8.68	\$4,783	
Traction Rock	3/4"-0" crushed	4+60 to 7+15,	2	station	13	stations	5.9	77	\$8.68	\$666	
		10+65 to 14+00									
Landings	6"-0" jaw-run	14+50	N/A	Landing	44	Landings	1	44	\$8.68	\$382	
Total Rock for Road Segment:				13 to 14				694		\$6,021	
ROAD SEGMENT				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		0+00 to 15+70	Number of				
Surfacing	4"-0" crushed	0+00 to 11+80	6	station	38	stations	11.8	448	\$8.68	\$3,892	
Surfacing	4"-0" crushed	"r" junction	6	station	38	stations	0.7	27	\$8.68	\$231	
Turnouts	4"-0" crushed	7+60	N/A	turnout	11	turnouts	2	22	\$8.68	\$191	
Turnarounds	4"-0" crushed	11+35	N/A	turnaround	11	turnarounds	1	11	\$8.68	\$95	
Total Rock for Road Segment:				15 to 16				508		\$4,409	
Processing: Description											
				Water, Process & Compact:		11 to 12 (63+00 to 88+70 (25.7)), 13 to 14 (14.5), 15 to 16 (0+00 to 11+80 (11.8))			No.Sta 26.00	Rate/sta \$70.47	Cost \$1,832
									26.00	\$35.24	\$916
				Traction Rock Water, Process & Compact:		11 to 12 (42+45 to 63+00 (20.55)), 13 to 14 (4+60 to 7+15 (2.55))(10+65 to 14+00 (3.35))			26.45	\$70.47	\$1,864
SUB TOTAL FOR SURFACING				24"-6" rr	77	6"-4" pr	44	44	3/4"-0" crushed	Total	
								2,171	487	2,822	\$35,298
SPECIAL PROJECTS											
				Description		Cy/Amount		Rate	Cost		
				pit-run development		44		\$3.24	\$142.56		
				riprap development		99		\$5.36	\$530.64		
				(includes WH2 and V1 riprap)							
SUB TOTAL FOR SPECIAL PROJECTS										\$673	
								Subtotal of Surfacing & Spec. Proj.		\$35,971	
								Subtotal of Cleaning, Exc., Culv.		\$9,757	
GRAND TOTAL										\$45,728	

Fill Reconstruction Cost Estimate

Segment: l1 to l2 Station: 64+60
 Fill: 1 Height: 7

Materials	Quantity		\$	Total
24"x50', CPP	50	ft	\$31.00	\$1,550.00
24"-6" Riprap Dissipator/Outlet Armor	11	cy	\$8.69	\$95.59
24"-6" Riprap Fill Armor	66	cy	\$8.69	\$573.54
3/4"-0" Crushed Rock for Bedding/Backfill	33	cy	\$8.69	\$286.77
4"-0" Crushed Rock for Road	25	cy	\$8.69	\$217.25
Erosion Control: Seed	0.1	ac	\$784.00	\$78.40
Erosion Control: Mulch	10	bale	\$13.39	\$133.90

\$2,935.45

Excavation	Rate	CY/amount	Total
End-Haul Excavation and Back Fill	\$110.00 hr	8	\$880.00
Excavate and Reconstruct Fill	\$195.00 hr	8	\$1,560.00
Fill Compaction	\$97.00 hr	4	\$388.00

Miscellaneous				
Site Prep and Compaction @ Fill, Waste Area & Borrow Site w/330	\$195.00	hr	2	\$390.00
Fill Armor Placement w/330	\$195.00	hr	4	\$780.00
Dissipator Placement w/330	\$195.00	hr	2	\$390.00
Laborer	\$50.00	hr	8	\$400.00

\$4,788.00

Project Total	\$7,723
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Slough Hill Fill Vacating Costs										
Work Description	Stations	Pump	C330	C315	D24 trk	D10/12 trk	D-8	Labor	Straw-bales	Seed-lbs
V1										
Mobilization						1				
Remove crossing				3						
Reshape cut bank				1						
Haul load of rip rap						3				
Place rip rap to block road				1						
Seeding and mulching								2	5	5
Partial equipment move										
V2										
Excavate fill.			4							
End haul material to WA.						4				
Seeding and mulching								2	5	5
Total Quantity (Hours)		0.00	4.00	5.00	0.00	8.00	0.00	4.00	10.00	10.00
Rates		\$14.00	\$195.00	\$127.00	\$159.00	\$110.00	\$198.00	\$50.00	\$13.39	\$2.00
Total Dollars		\$0	\$780	\$635	\$0	\$880	\$0	\$200	\$134	\$20

Total Cost	
Total Stations	0
Total Miles	0.0
	\$2,649

Slough Hill Unauthorized Trail Vacating and Blocking						
Work Description			C315	D10/12 trk		
Construct water bars and block trails.			40.00			
Mobilization of excavator and blocking materials.				20.00		
Total Quantity (Hours)			40.00	20		
Rates			\$127.00	\$110.00		
Total Dollars			\$5,080	\$2,200		

Total Cost \$7,280

Waterhole Construction and Access Improvement

Sale Name: Slough Hill

Location: WH1

Waterhole Excavation/Ramp and Drafting Area Construction	Hours	\$/Hour	
C330	4	\$ 195.00	\$ 780.00
10-12cy dump truck	4	\$ 110.00	\$ 440.00
Armoring/Rock Placement/Waste Area Shaping	Hours	\$/Hour	
C330	1	\$ 195.00	\$ 195.00
Labor/dewater/seed and mulch	2	\$ 50.00	\$ 100.00
Partial Equipment Moves			
		Total	\$ 1,515.00

Waterhole Construction and Access Improvement

Sale Name: Slough Hill

Location: WH2

Waterhole Excavation/Ramp and Drafting Area Construction	Hours	\$/Hour	
C330	8	\$ 195.00	\$ 1,560.00
10-12cy dump truck	8	\$ 110.00	\$ 880.00
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	8	\$ 50.00	\$ 400.00
	CY	\$/CY	
Safety Barrier (36"-24" Riprap)	11	8.68	\$ 95.48
Partial Equipment Moves			
		Total	\$ 3,545.48

Projects Road Maintenance Cost Summary

Sale: Slough Hill
Date: 13-Apr-26
By: BL

Type	Equipment/Rationale			Hours	Rate	Cost
Project Work Final Haul Road Maintenance	Grader 14G			8	\$126	\$1,008
Total						\$1,008

Production Rates
 Grader
 Vibratory Roller

Miles/day	Distance(miles)	Days
1.5	2.23	1.5
1.5	2.23	1.5

NOTE: Nicolai Mainline	1.50	Miles
Hunt Creek Road	0.73	Miles
Spot Grade Only		Miles
		Miles
	TOTAL=	2.23 Miles

CRUSHED ROCK COST

SALE NAME:	Slough Hill
PROJECT:	All Projects
Stockpile:	Hunt Creek

MATERIAL: All Rock

DATE: 04/13/2026
BY: BL

[illegible]

ROCK HAUL:

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

Ave haul:	\$6.82	/cy
Load:	\$0.66	/cy
Spread:	\$1.20	/cy

Truck type: D12 No. trucks: 6
 Delay min.: 6 Efficiency: 85%

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

Production: cy/day = 774

CRUSHED ROCK HAUL COSTS 3,330 cy @ \$8.68 /cy

**Slough Hill
TIMBER CRUISE REPORT
FY 2026**

1. **Sale Area Location:** Portions of Sections 9 & 10 of T8N, R7W, W.M., Clatsop County, Oregon
2. **Fund Distribution:** BOF 100% CSL 0% **Tax Code:** 4-03 (100%)
3. **Sale Acreage by Area:**

Unit	Harvest Type	Gross Acres	Stream Buffer Acres	Reserve Tree Area	Existing R/W Acres	New R/W	Net Acres	Survey Method
1	Clearcut	166	48	2	4	3	109	GIS
2	Right-of-Way	3	-	-	-	-	3	LxW
TOTALS		169	48	2	4	3	112	

4. Cruisers and Cruise Dates: Avery Petersen, John Czarnecki, Ryan Simpson, Michele Huffman and Kevin Berry (04/02/2026 - 04/06/2026)

5. Cruise Method and Computation:

Unit 1: Unit 1 was variable plot cruised with a 40 BAF. A total of 42 plots were sampled on an eight chain by four chain spacing with a count to grade ratio of 1:1, resulting in 23 grade plots and 19 count plots. The reason why there are more plots recorded on the statistics page is because one count plot had a measure tree on it.

Unit 2 (R/W): In-unit Right-of-Way consists of new road R/W within Unit 1. Volumes for Unit 2 R/W were obtained from the Unit 1 cruise. The timber found in Unit 1 is the same type of timber found within Unit 2 R/W.

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	SLOUGH	U1	00CC	109

6. Timber Description:

Unit 1: A clearcut with an average age of 45 years. Older portions of the unit were pre-commercial thinned in the late 1970's and then commercially thinned in 2012. The stands consists of Douglas-fir and western hemlock, with minor components of Sitka spruce, red alder, and bigleaf maple. The average Douglas-fir is approximately 15 inches DBH and 50 feet to a merchantable top. The average western hemlock is approximately 20 inches DBH and 69 feet to a merchantable top. The average Sitka spruce is approximately 20 inches DBH and 50 feet to a merchantable top. The average red alder is approximately 11 inches DBH and 51 feet to a merchantable top. The average bigleaf maple is approximately 19 inches DBH and 53 feet to a merchantable top. Average net volume to be harvested per acre is 27 MBF. All trees were cruised to a merchantable top of six inches DIB, 40% of form point, or an otherwise anticipated break point.

Unit 2 (R/W): is similar to the timber Unit 1. Average net volume to be harvested per acre is 27 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%	34.3%	5.3%

8. Volumes by Species and Log Grade:

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

Conifer

Species	DBH	Net Vol.	2 Saw	3 Saw	4 Saw	% D & B	% Sale
Douglas-fir	15"	2,158	900	1,054	204	0.5%	70%
Western hemlock	20"	514	369	105	40	0.1%	17%
Sitka spruce	20"	196	125	67*	4	0.6%	6%
TOTALS	--	2,868	1,394	1,226	248	--	93%

* This sale includes approximately 40 MBF of 12"+ 3-saw Sitka spruce

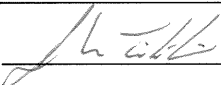
Hardwood

Species	DBH	Net Vol.	12"+	10"-11"	8"-9"	6"-7"	% D & B	% Sale
Red alder	11"	177	-	19	19	139	0.8%	6%
Bigleaf maple	19"	34	10	8	15	1	-	1%
TOTALS	--	211	10	27	34	140		7%

TOTAL VOLUME	3,079
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9. Approvals:

Prepared by: John Czarnecki Date: 04/07/2026

Unit Forester Approval:  Date: 4/20/26

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

**CRUISE DESIGN
ASTORIA DISTRICT**

Sale Name: Slough Hill

Unit 1

Harvest Type: Clearcut

Approx. Cruise Acres: 112 **Estimated CV%** 35 Net BF/Acre **SE% Objective** 9% Net BF/Acre

Planned Sale Volume: 4,200 MBF **Estimated Sale Area Value/Acre:** \$12,250/Acre

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

(b) Sample 42 plots (23 grade/ 19 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: 0°/180°

Cruise Line Spacing 8 (chains) 528 (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, etc.) on count plots if encountered.

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

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

C. Tree Measurements:

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

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

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

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

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

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

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

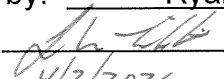
6. Species, Sort, and Grade Codes:

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

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

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

Cruise Design by: Ryan Simpson

Approved by: 

Date: 4/2/2026

TIMBER CRUISE MAP

OF TIMBER SALE
SLOUGH HILL
PORTIONS OF SECTIONS
9 & 10 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

U1 Cruise BAF: 40

Line Azimuth: 0°/180°

Line Spacing: 8 ch. (528 ft)

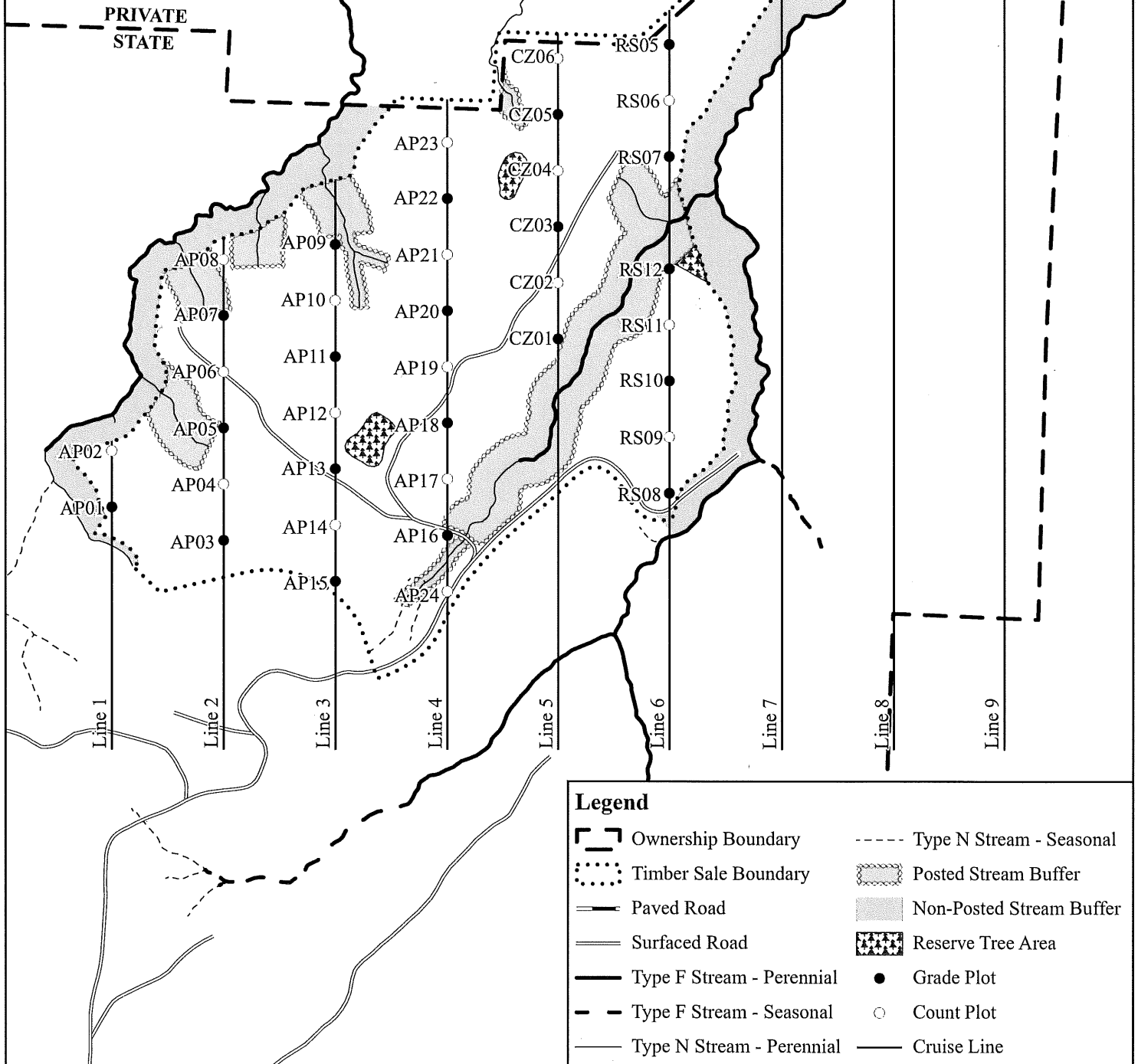
Plot Spacing: 4 ch. (264 ft)

Grade Plots: 23

Count Plots: 19

Total Plots: 42

0 250 500 1,000
1:8,000 Feet



TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
T08N R07W S09 Ty00CC112.00				Project: SLOUGH														Page 1			
				Acres 112.00														Date 4/17/2026			
																		Time 9:13:26AM			
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
H		DO2S		71	.2	3,301	3,295	369			36	64	9	2	17	72	35	16	375	2.54	8.8
H		DO3S		21		935	935	105		100			2	16	15	66	33	9	95	0.89	9.8
H		DO4S		8		356	356	40		100			31	69			22	7	29	0.48	12.2
H Totals				17	.1	4,593	4,586	514		28	26	46	9	10	16	65	29	10	149	1.34	30.8
D		DOCU															24	19		0.00	.4
D		DO2S		41	.9	8,109	8,032	900			65	35	1		3	95	39	15	342	2.10	23.5
D		DO3S		49	.3	9,438	9,411	1,054		100			0	4	23	72	36	8	94	0.73	99.7
D		DO4S		10		1,824	1,824	204		100			75	25			17	6	20	0.40	89.4
D Totals				70	.5	19,372	19,267	2,158		58	27	15	8	4	13	75	28	8	90	0.85	213.0
S		DO2S		84	.7	1,481	1,470	165			17	83			16	84	36	20	689	4.36	2.1
S		DO3S		14		238	238	27		100						100	38	6	60	0.47	4.0
S		DO4S		2		32	32	4		100			100				17	7	30	0.91	1.1
S Totals				6	.6	1,751	1,741	196 195		16	14	70	2		14	85	34	10	243	1.72	7.2
M		DO1S		52		162	162	18			42	58	100				16	16	194	2.17	.8
M		DO2S		30		91	91	10		100						100	40	10	150	1.15	.6
M		DO4S		18		55	55	6		100			22		78		25	6	38	0.73	1.4
M Totals				1		308	308	34		47	22	30	57		14	29	26	10	107	1.13	2.9
A		DO2S		10		169	169	19		100						100	36	10	140	1.00	1.2
A		DO3S		11		170	170	19		100						100	40	8	90	0.65	1.9
A		DO4S		79	1.0	1,249	1,237	139		100			16		18	66	29	6	46	0.46	26.8
A Totals				6	.8	1,588	1,576	177		100			13		14	73	30	7	53	0.50	29.9
Totals					0.5	27,611	27,478	3,079 3,078		53	25	23	8	5	13	73	29	8	97	0.89	283.7

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page		1														
				Project: SLOUGH												Date		4/17/2026														
																Time		9:35:43AM														
T08N R07W S09 T00CC												T08N R07W S09 T00CC																				
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt														
08N		07W		09		U1		00CC		109.00		42		117		1		W														
S So Gr T rt ad Spp		% Net BdFt		Bd. Ft. per Acre Def% Gross Net			Total Net MBF		Percent Net Board Foot Volume								Average Log				Logs Per /Acre											
									Log Scale Dia.				Log Length				Ln Dia Bd CF/ Ft In Ft Lf															
D		DO		CU							65		35		1		3		95		24		19		0.00		.4					
D		DO		2S		41			.9		8,109		8,032		876						39		15		342		2.10		23.5			
D		DO		3S		49			.3		9,438		9,411		1,026		100				0		4		23		72		99.7			
D		DO		4S		10					1,824		1,824		199		100				75		25				17		89.4			
D		Totals				70			.5		19,372		19,267		2,101 2,100		58		27		15		8		4		13		75		213.0	
H		DO		2S		71			.2		3,301		3,295		359				36		64		9		2		17		72		8.8	
H		DO		3S		21					935		935		102		100						2		16		15		9.8			
H		DO		4S		8					356		356		39		100						31		69				12.2			
H		Totals				17			.1		4,593		4,586		500		28		26		46		9		10		16		30.8			
A		DO		2S		10					169		169		18		100										100		1.2			
A		DO		3S		11					170		170		19		100										100		1.9			
A		DO		4S		79			1.0		1,249		1,237		135		100						16				18		26.8			
A		Totals				6			.8		1,588		1,576		172		100						13		14		73		29.9			
S		DO		2S		84			.7		1,481		1,470		160				17		83				16		84		2.1			
S		DO		3S		14					238		238		26		100										100		4.0			
S		DO		4S		2					32		32		3		100						100						1.1			
S		Totals				6			.6		1,751		1,741		189 190		16		14		70		2		14		85		7.2			
M		DO		1S		52					162		162		18				42		58		100						.8			
M		DO		2S		30					91		91		10		100								100				.6			
M		DO		4S		18					55		55		6		100						22		78				1.4			
M		Totals				1					308		308		34		47		22		30		57		14		29		2.9			
Type Totals									.5		27,611		27,478		2,996 2,995		53		25		23		8		5		13		283.7			

T		TSPCSTGR		Species, Sort Grade - Board Foot Volumes (Type)												Page		1																							
				Project: SLOUGH												Date		4/17/2026																							
																Time		9:36:04AM																							
T08N R07W S09 T00CC																T08N R07W S09 T00CC																									
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt																							
08N		07W		09		U2 R/W		00CC		3.00		42		117		1		W																							
S So Gr T rt ad				% Net BdFt		Bd. Ft. per Acre Def% Gross Net			Total Net MBF		Percent Net Board Foot Volume								Average Log				Logs Per /Acre																		
											Log Scale Dia.				Log Length				Ln Dia Bd CF/ Ft In Ft Lf																						
D				DO		CU						65		35		1		3		95		24		19		0.00		.4													
D				DO		2S		41		.9		8,109		8,032		24						39		15		342		2.10		23.5											
D				DO		3S		49		.3		9,438		9,411		28		100				0		4		23		72		36		8		94		0.73		99.7			
D				DO		4S		10				1,824		1,824		5		100				75		25				17		6		20		0.40		89.4					
D Totals								70		.5		19,372		19,267		57 58		58		27		15		8		4		13		75		28		8		90		0.85		213.0	
H				DO		2S		71		.2		3,301		3,295		10				36		64		9		2		17		72		35		16		375		2.54		8.8	
H				DO		3S		21				935		935		3		100						2		16		15		66		33		9		95		0.89		9.8	
H				DO		4S		8				356		356		1		100						31		69				22		7		29		0.48		12.2			
H Totals								17		.1		4,593		4,586		14		28		26		46		9		10		16		65		29		10		149		1.34		30.8	
A				DO		2S		10				169		169		1		100										100		36		10		140		1.00		1.2			
A				DO		3S		11				170		170		1		100										100		40		8		90		0.65		1.9			
A				DO		4S		79		1.0		1,249		1,237		4		100				16				18		66		29		6		46		0.46		26.8			
A Totals								6		.8		1,588		1,576		6 5		100						13				14		73		30		7		53		0.50		29.9	
S				DO		2S		84		.7		1,481		1,470		4				17		83						16		84		36		20		689		4.36		2.1	
S				DO		3S		14				238		238		1		100										100		38		6		60		0.47		4.0			
S				DO		4S		2				32		32		0		100				100								17		7		30		0.91		1.1			
S Totals								6		.6		1,751		1,741		5		16		14		70		2				14		85		34		10		243		1.72		7.2	
M				DO		1S		52				162		162		0				42		58		100						16		16		194		2.17		.8			
M				DO		2S		30				91		91		0		100										100		40		10		150		1.15		.6			
M				DO		4S		18				55		55		0		100				22		78						25		6		38		0.73		1.4			
M Totals								1				308		308		0 4		47		22		30		57				14		29		26		10		107		1.13		2.9	
Type Totals										.5		27,611		27,478		82		53		25		23		8		5		13		73		29		8		97		0.89		283.7	

TC PSTATS				PROJECT STATISTICS				PAGE 1				
				PROJECT		SLOUGH		DATE 4/17/2026				
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
08N	07	09	U1	00CC		112.00	42	212	1	W		
				TREES		ESTIMATED	PERCENT					
				PLOTS	TREES	TOTAL	SAMPLE					
				PER PLOT		TREES	TREES					
TOTAL			42	212	5.0							
CRUISE			24	117	4.9	18,470		.6				
DBH COUNT												
REFOREST												
COUNT			18	93	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			85	126.2	14.5	50	38.2	145.7	19,372	19,267	5,158	5,158
WHEMLOCK			16	13.6	20.0	69	6.6	29.5	4,593	4,586	1,211	1,211
R ALDER			9	18.7	11.4	51	3.9	13.3	1,588	1,576	457	457
S SPRUCE			4	5.0	19.5	50	2.4	10.5	1,751	1,741	423	423
BL MAPLE			3	1.4	19.1	53	0.7	2.9	308	308	84	84
TOTAL			117	164.9	15.0	52	52.2	201.9	27,611	27,478	7,333	7,333
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			90.4	9.8	270	300	329					
WHEMLOCK			69.7	18.0	484	590	696					
R ALDER			48.9	17.3	73	88	103					
S SPRUCE			77.5	44.3	669	1,200	1,731					
BL MAPLE			90.1	62.3	126	333	541					
TOTAL			105.2	9.7	320	355	389	442	110	49		
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			100.8	15.5	107	126	146					
WHEMLOCK			176.1	27.1	10	14	17					
R ALDER			316.7	48.8	10	19	28					
S SPRUCE			258.4	39.8	3	5	7					
BL MAPLE			582.3	89.8	0	1	3					
TOTAL			71.7	11.1	147	165	183	206	51	23		
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			71.9	11.1	130	146	162					
WHEMLOCK			164.1	25.3	22	30	37					
R ALDER			278.5	42.9	8	13	19					
S SPRUCE			253.8	39.1	6	10	15					
BL MAPLE			478.3	73.7	1	3	5					
TOTAL			35.3	5.4	191	202	213	50	12	6		
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			68.2	10.5	17,241	19,267	21,293					
WHEMLOCK			166.0	25.6	3,413	4,586	5,760					
R ALDER			315.7	48.7	809	1,576	2,343					
S SPRUCE			268.9	41.5	1,019	1,741	2,462					
BL MAPLE			478.2	73.7	81	308	535					
TOTAL			34.3	5.3	26,024	27,478	28,932	47	12	5		

TC PLOGSTVB			Log Stock Table - MBF																
T08N R07W S09 Ty00CC 112.00			Project: SLOUGH Acres 112.00										Page 1 Date 4/17/2026 Time 9:14:31AM						
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+	
H	DO	2S 16	32		32	6.1										14	17		
H	DO	2S 24	9		9	1.7							9						
H	DO	2S 32	64		64	12.4					18		9	18		19			
H	DO	2S 36	27		27	5.2										27			
H	DO	2S 40	239		238	46.4					54		45	55		85			
H	DO	3S 20	3		3	.5				3									
H	DO	3S 24	13		13	2.6				13									
H	DO	3S 28	4		4	.7				4									
H	DO	3S 32	16		16	3.2				6	11								
H	DO	3S 36	3		3	.6				3									
H	DO	3S 38	6		6	1.2				6									
H	DO	3S 40	60		60	11.7					3	57							
H	DO	4S 16	5		5	1.0				3	2								
H	DO	4S 20	7		7	1.4				5	2								
H	DO	4S 24	22		22	4.3				12	11								
H	DO	4S 28	5		5	1.0				5									
H	Totals		514		514	16.7				43	44		57	71		63	73	145 17	
D	DO	2S 20	11		11	.5								11					
D	DO	2S 32	22		22	1.0								22					
D	DO	2S 34	8		8	.4							8						
D	DO	2S 36	50		50	2.3							50						
D	DO	2S 38	10		10	.5								10					
D	DO	2S 40	806	1.1	797	37.0							78	211	480	29			
D	DO	3S 16	2		2	.1						2							
D	DO	3S 24	28		28	1.3					28								
D	DO	3S 30	17		17	.8						17							
D	DO	3S 32	216		216	10.0				38	134	43							
D	DO	3S 34	31		31	1.5				31									
D	DO	3S 36	113		113	5.2				89	8	16							
D	DO	3S 38	10		10	.5				7	4								
D	DO	3S 40	640		637	29.5				81	177	379							
D	DO	4S 12	33		33	1.5				32	1								
D	DO	4S 16	60		60	2.8				51	9								
D	DO	4S 18	14		14	.7				12	2								
D	DO	4S 20	46		46	2.1				41	5								
D	DO	4S 24	38		38	1.8				38									

TC PLOGSTVB			Log Stock Table - MBF																	
T08N R07W S09 Ty00CC 112.00					Project: SLOUGH		Page 2													
					Acres 112.00		Date 4/17/2026													
							Time 9:14:31AM													
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	4S	28	9		9	.4			9										
D	DO	4S	30	5		5	.2			5										
D	Totals			2,170		2,158	70.1		434	368	457	137	255	480	29					
S	DO	2S	32	27		27	13.6						13		14					
S	DO	2S	36	78		78	40.3								38		40			
S	DO	2S	40	61	1.9	60	30.6							15		45				
S	DO	3S	38	27		27	13.7		27											
S	DO	4S	16	2		2	1.2		2	1										
S	DO	4S	20	1		1	.6		1											
S	Totals			196		195	6.3		30	1			13	15	52	45	40			
M	DO	1S	16	8		8	22.2				8									
M	DO	1S	18	10		10	30.4								10					
M	DO	2S	40	10		10	29.5				10									
M	DO	4S	16	1		1	3.9		1											
M	DO	4S	32	5		5	14.0		5											
M	Totals			34		34	1.1		6		10	8			10					
A	DO	2S	36	19		19	10.7				19									
A	DO	3S	40	19		19	10.8		19											
A	DO	4S	16	12		12	6.9		12											
A	DO	4S	18	10		10	5.8		10											
A	DO	4S	32	25		25	14.2		25											
A	DO	4S	36	32	4.3	30	17.1		30											
A	DO	4S	40	61		61	34.5		61											
A	Totals			178		177	5.7		139	19	19									
Total	All Species			3,092		3,078	100.0		651	432	543	216	331	567	225	73	40			

TC		PSTNDSUM		Stand Table Summary										Page		1	
														Date:		4/17/2026	
T08N R07W S09 Ty00CC 112.00				Project SLOUGH										Time:		9:14:53AM	
				Acres 112.00										Grown Year:			
S SpC	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	
D		8	4	86	17	19.644	6.86	19.64	4.0	10.0		79	196		88	22	
D		9	3	86	43	11.641	5.14	11.64	8.3	33.3		97	388		109	43	
D		10	1	88	92	3.143	1.71	6.29	8.0	30.0		50	189		56	21	
D		11	7	86	58	18.183	12.00	18.18	14.3	48.6		260	883		291	99	
D		12	5	86	72	10.913	8.57	17.46	13.1	45.0		229	786		257	88	
D		13	9	87	85	16.738	15.43	33.48	14.8	51.1		495	1,711		554	192	
D		14	3	86	88	4.811	5.14	9.62	18.5	63.3		178	609		199	68	
D		15	3	85	94	4.191	5.14	8.38	21.7	76.7		182	643		203	72	
D		16	6	86	105	7.367	10.29	15.96	26.0	96.9		415	1,547		465	173	
D		17	4	85	95	4.350	6.86	8.70	28.0	98.8		244	859		273	96	
D		18	7	85	100	6.791	12.00	13.58	33.8	116.4		459	1,581		514	177	
D		19	1	85	115	.871	1.71	2.61	28.3	113.3		74	296		83	33	
D		20	1	85	99	.786	1.71	1.57	42.5	140.0		67	220		75	25	
D		21	5	84	108	3.564	8.57	9.27	37.8	146.2		350	1,354		392	152	
D		22	4	86	108	2.598	6.86	5.84	49.1	176.7		287	1,033		321	116	
D		23	2	85	121	1.188	3.43	3.56	44.8	183.3		160	654		179	73	
D		24	7	86	121	3.820	12.00	10.91	50.6	204.0		553	2,226		619	249	
D		25	3	86	114	1.509	5.14	4.02	56.1	220.0		226	885		253	99	
D		26	2	86	122	.930	3.43	2.79	56.8	236.7		159	660		178	74	
D		27	4	85	121	1.725	6.86	4.74	56.8	237.3		269	1,125		302	126	
D		28	2	86	129	.802	3.43	2.41	69.5	301.7		167	726		187	81	
D		29	1	82	128	.374	1.71	1.12	71.7	293.3		80	329		90	37	
D		34	1	85	122	.272	1.71	.82	98.0	450.0		80	367		90	41	
D		Totals	85	86	73	126.209	145.71	212.61	24.3	90.6		5,158	19,267		5,777	2,158	
H		12	1	83	76	2.349	1.85	4.70	11.5	30.0		54	141		61	16	
H		13	1	82	75	2.002	1.85	4.00	14.0	45.0		56	180		63	20	
H		15	2	86	91	3.007	3.69	6.01	25.3	90.0		152	541		170	61	
H		18	1	85	116	1.044	1.85	3.13	28.3	103.3		89	324		99	36	
H		20	1	86	91	.846	1.85	1.69	44.0	150.0		74	254		83	28	
H		21	1	86	97	.767	1.85	1.53	51.5	180.0		79	276		88	31	
H		23	1	81	84	.640	1.85	1.28	54.5	165.0		70	211		78	24	
H		27	2	83	112	.928	3.69	2.78	62.0	251.7		173	701		193	78	
H		28	1	82	101	.432	1.85	1.29	55.0	243.3		71	315		80	35	
H		30	1	83	100	.376	1.85	1.13	69.0	283.3		78	320		87	36	
H		32	1	80	103	.330	1.85	.66	122.5	470.0		81	311		91	35	
H		34	1	82	103	.293	1.85	.88	91.7	383.3		80	337		90	38	
H		35	2	83	105	.552	3.69	1.66	92.8	408.3		154	677		172	76	
H		Totals	16	84	91	13.566	29.52	30.76	39.4	149.1		1,211	4,586		1,356	514	
S		11	1	85	63	3.969	2.62	3.97	18.0	60.0		71	238		80	27	
S		31	1	83	97	.500	2.62	1.50	76.3	313.3		114	470		128	53	
S		37	1	83	113	.351	2.62	1.05	121.0	516.7		127	544		143	61	
S		47	1	82	94	.217	2.62	.65	169.0	750.0		110	489		123	55	
S		Totals	4	85	71	5.036	10.48	7.17	59.0	242.7		423	1,741		474	195	
A		10	4	86	106	10.865	5.93	19.01	12.1	45.7		231	869		259	97	
A		12	2	87	78	3.773	2.96	5.66	17.3	56.7		98	321		110	36	
A		13	1	87	52	1.607	1.48	1.61	24.0	60.0		39	96		43	11	
A		15	2	86	71	2.414	2.96	3.62	24.7	80.0		89	290		100	32	
A		Totals	9	86	91	18.659	13.33	29.90	15.3	52.7		457	1,576		512	177	
M		16	1	86	63	.682	.95	1.36	20.0	75.0		27	102		31	11	
M		17	1	87	71	.604	.95	1.21	26.5	85.0		32	103		36	12	

TC		PSTNDSUM		Stand Table Summary										Page Date:		2 4/17/2026		
T08N R07W S09 Ty00CC112.00					Project					SLOUGH					Time:		9:14:53AM	
					Acres					112.00					Grown Year:			
S Spe T	Tot							Average Log		Net			Net			Totals		
	Sample	FF	Av		Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.						
	DBH	Trees	16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre						
M	34	1	87	56	.151	.95	.30	81.5	340.0		25	103			28	12		
M	Totals	3	87	66	1.437	2.86	2.87	29.2	107.1		84	308			94	34		
Totals		117	86	76	164.908	201.90	283.31	25.9	97.0		7,333	27,478			8,213	3,078		

LOGGING PLAN MAP

OF TIMBER SALE CONTRACT
NO. AT-341-2027-W01187-01
SLOUGH HILL
PORTIONS OF SECTIONS
9 & 10 OF T8N, R7W, W.M.,
CLATSOP COUNTY, OREGON

Logging Breakdown Tractor Cable Acres

Unit 1 (CC)	100%	0%	109
Unit 2 (R/W)	100%	0%	3
Total =	100%	0%	112

0 500 1,000 2,000 Feet

1 inch = 1,000 feet Contours = 20 feet

