



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Top Deer
Sale WO-341-2026-W01272-01

District: West Oregon

Date: December 10, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$770,427.00	\$12,541.60	\$782,968.60
		Project Work:	(\$64,544.00)
		Advertised Value:	\$718,424.60



Timber Sale Appraisal
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Date: December 10, 2025

Timber Description

Location: Portion(s) of Section 23, T11S, R09W, W.M., Lincoln County, OR.

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	98
Alder (Red)	14	0	97

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	1,071	504	0	1,575
Alder (Red)	0	0	80	80
Total	1,071	504	80	1,655

Comments: Pond Values Used: local Pond Values, October 2025

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Costs:
\$253.36/MBF = \$520/MBF - \$266.64/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$950.36/MBF = \$1,217/MBF - \$266.64/MBF

Bigleaf Maple and Other Hardwoods Stumpage Price = Hardwood Pulp price using a conversion factor of 10 ton/MBF: = \$25.00/MBF

PULP (Conifer and Hardwood Price) = \$2.50/TON

Other Costs (with Profit and Risk to be added)
Intermediate Support/Tail Tree: 2 supports @ \$100/support = \$200
Equipment Cleaning (Invasive Species): \$2,500
Water Bar Dirt Roads: 46.6 Stations @ \$16.95/Station = \$790
TOTAL Other Costs (with Profit and Risk to be added) = \$3,490

Slash Disposal:
Landing slash and in-unit piling: 3 Landings @ \$150/Landing and 35 hours @ \$175.00/hr = \$6,575
Move-in and weedwash: \$2,000
TOTAL Slash Disposal: \$8,575

Other Costs (No Profit and Risk to be added): None

ROAD MAINTENANCE
Move-in: Grader & Vibratory Roller \$1,900
Final Road Maintenance: \$5,739.11
TOTAL Road Maintenance: \$7,639.11 / 1655 MBF = \$4.62/MBF



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Logging Conditions

Combination#: 1 Douglas - Fir 17.00%
 Alder (Red) 17.00%

Logging System: Cable: Large Tower >=70 **Process:** Harvester Head Delimiting

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

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

loads / day: 15 **bd. ft / load:** 4200

cost / mbf: \$136.17

machines: Log Loader (A)
 Forwarder
 Harvester
 Tower Yarder (Large)

Combination#: 2 Douglas - Fir 21.00%
 Alder (Red) 21.00%

Logging System: Shovel **Process:** Manual Falling/Delimiting

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

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

loads / day: 20.5 **bd. ft / load:** 4200

cost / mbf: \$116.15

machines: Shovel Logger

Combination#: 3 Douglas - Fir 62.00%
 Alder (Red) 62.00%

Logging System: Shovel **Process:** Harvester Head Delimiting

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

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

loads / day: 21 **bd. ft / load:** 4200

cost / mbf: \$113.38

machines: Forwarder
 Harvester



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Top Deer
Sale WO-341-2026-W01272-01

District: West Oregon

Date: December 10, 2025

Logging Costs

Operating Seasons: 2.00	Profit Risk: 12%
Project Costs: \$64,544.00	Other Costs (P/R): \$3,490.00
Slash Disposal: \$8,575.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$5.12

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	4.2
Alder (Red)	\$0.00	2.0	3.7



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Top Deer
Sale WO-341-2026-W01272-01

District: West Oregon

Date: December 10, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$117.84	\$5.22	\$5.30	\$101.19	\$2.11	\$27.80	\$5.18	\$2.00	\$0.00	\$266.64
Alder (Red)									
\$117.84	\$5.27	\$5.30	\$173.99	\$2.11	\$36.54	\$5.18	\$2.00	\$0.00	\$348.23

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$755.80	\$489.16	\$0.00
Alder (Red)	\$0.00	\$505.00	\$156.77	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,575	\$489.16	\$770,427.00
Alder (Red)	80	\$156.77	\$12,541.60

Gross Timber Sale Value

Recovery: \$782,968.60

Prepared By: Jamie Gassner

Phone: 541-929-3266

SUMMARY OF ALL PROJECT COSTS

Sale Name: Top Deer

Project #1 - Road Improvement, Surface Rock Replacement and Maintenance

<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
1 to 2	60.6 sta	\$25,388
2 to 3	34.2 sta	\$5,303
4 to 5	8.3 sta	\$612
6 to 7	7.8 sta	\$844
8 to 9	4.6 sta	\$1,712
2 to 10	66.8 sta	\$21,752
TOTALS	182.3 sta	\$55,611

Project #2 - Stream Enhancement

Cost
\$2,580

Project #3 - Equipment Move in

	<u>Cost</u>	<u>On-Site Move</u>
Excavator, C325 or equiv.	\$1,500	
Dozer, D-6 or equiv.	\$950	
Grader, Cat 14-G or equiv.	\$950	
Vibratory roller	\$950	
Front End Loader	\$950	\$53
Backhoe, C580 or equiv.	\$500	
Brush Cutter	\$500	
TOTAL	\$6,300	\$53

GRAND TOTAL **\$64,544**

Compiled by: Jamie Gassner

Date 12/22/2025

SUMMARY OF CONSTRUCTION COST

SALE Top Deer Project # 1 LENGTH 34.2 sta
 ROAD 2 to 3

IMPROVEMENT

			<u>Rate</u>			
Re-open road (w/ dozer)	34.2 sta	@	\$41.00	/sta	=	\$1,402
Re-open landing (w/ dozer)	1 hr	@	\$140.00	/hr	=	\$140
Shape subgrade (w/ grader)	34.2 sta	@	\$22.69	/sta	=	\$776
Compact subgrade (w/ roller)	34.2 sta	@	\$17.50	/sta	=	\$599
Re-open turnarounds (Sta. 26+67 & Sta. 30+55) (w/ dozer)	1 hrs	@	\$140.00	/hr	=	\$140
Re-open Turnout (w/ grader) (Sta. 17+12)	0.5 sta	@	\$22.69	/sta	=	\$11
Curve Widening (Pt. 8) (w/ dozer)	1 hr	@	\$140.00	/hr	=	\$140
TOTAL IMPROVEMENT =						\$3,208

SURFACING

		<u>Size</u>		<u>Rate</u>		
Junction rock	30 CY	3"-0"	@	\$5.56	/CY	= \$167
TOTAL ROCK COST =						\$167

SPECIAL PROJECTS

				<u>Rate</u>		
18" X 22' CPP (Sta.9+69)	22 ft	@		\$16.50	/ft	= \$363
18" X 40' CPP (Sta.18+69)	40 ft	@		\$16.50	/ft	= \$660
Install culverts (w/ excavator) (Sta. 9+69 & Sta. 18+69)	3 hrs	@		\$160.00	/hr	= \$480
Construct ditchout (7) (w/ excavator)	2 hrs	@		\$160.00	/hr	= \$320
Construct Settling Pond (w/ excavator)	0.5 hrs	@		\$160.00	/hr	= \$80
Seed/Mulch Settling Pond	0.5 hrs	@		\$50.00	/hr	= \$25
TOTAL SPECIAL PROJECTS COST =						\$1,928

Compiled by: Jamie Gassner
 Date: Dec 22, 2025

GRAND TOTAL =====> \$5,303

SUMMARY OF CONSTRUCTION COST

SALE Top Deer Project # 1 LENGTH 66.8 sta
 ROAD 2 to 10

EXCAVATION

				<u>Rate</u>			
Cutslope rounding (w/ excavator)	5.0 hrs	@	\$160.00	/hr	=	\$800	
Bank slough removal (w/ excavator)	30.5 hrs	@	\$160.00	/hr	=	\$4,880	
End-haul waste (Slough removal)	1690 CY	@	\$2.79	/CY	=	\$4,715	
Excavate Road Edge/Catch Basin (w/ excavator) (Sta. 29+34)	0.5 hrs	@	\$160.00	/hr	=	\$80	
End-haul waste (Road Edge Excavation)	5.0 CY	@	\$2.79	/CY	=	\$14	
						TOTAL EXCAVATION =	\$10,489

IMPROVEMENT

				<u>Rate</u>			
Process surface (w/ grader)	66.8 sta	@	\$22.69	/sta	=	\$1,516	
Compact surface (w/ roller)	66.8 sta	@	\$17.50	/sta	=	\$1,169	
Re-establish Ditch (w/ backhoe)	66.8 sta	@	\$54.00	/sta	=	\$3,607	
End-haul waste (Ditch re-establishment)	400 CY	@	\$2.79	/CY	=	\$1,116.00	
						TOTAL IMPROVEMENT =	\$7,408

SURFACING

			<u>Size</u>			<u>Rate</u>		
Turnout rock (Sta. 5+05 & Sta. 43+50)	20 CY	@	3"-0"	\$5.56	/CY	=	\$111	
Spot rock from (S1)	230 CY	@	1½"-0"	\$5.03	/CY	=	\$1,157	
Culvert Dissipator Rock (Sta. 59+12)	5 CY	@	3"-0"	\$5.56	/CY	=	\$28	
						TOTAL ROCK COST =	\$1,296	

SPECIAL PROJECTS

				<u>Rate</u>			
Cutting roadside marked trees (19)	2 hrs	@	\$70.00	/hr	=	\$140	
Placing roadside trees in stream buffer (w/ excavator)	1 hr	@	\$160.00	/hr	=	\$160	
24" X 22' CPP (Sta. 9+43)	22 ft	@	\$24.20	/ft	=	\$532	
Install culvert (w/ excavator) (Sta. 9+43)	1.5 hrs	@	\$160.00	/hr	=	\$240	
End-haul waste (Culvert Install)	10 CY	@	\$2.79	/CY	=	\$28	
Clean out culverts (inlets and outlets)	4 culverts	@	\$25	ea	=	\$100	
Jack open culverts (inlets and outlets)	2 culverts	@	\$25	ea	=	\$50	
Culvert disposal	1 culvert	@	\$100	ea	=	\$100	
Culvert Bedding & Backfill (Sta. 9+43)	20 CY	@	1½"-0"	\$5.03	/CY	=	\$101
Road Prism Armoring Rock (Sta. 29+34)	5 CY	@	3"-0"	\$5.56	/CY	=	\$28
Roadside Brushing (MED)	0.9 mile	@	\$1,200.00	/Mile	=	\$1,080	
						TOTAL SPECIAL PROJECTS COST =	\$2,559

Compiled by: Jamie Gassner
 Date: Dec 22, 2025

GRAND TOTAL =====> \$21,752

SUMMARY OF PROJECT COST

SALE Top Deer

Project # 2 - Stream Enhancement

LOGGING COST

Logging cost	3.6 MBF	@	<u>Rate</u> \$117.84	/MBF	=	\$424		
							TOTAL LOGGING COST =	\$424

LOADING/ HAULING/ STAGING

Loading logs	0.5 hr.	@	<u>Rate</u> \$125.00	/hr.	=	\$63		
Hauling logs	0.5 hr.	@	\$100.00	/hr.	=	\$50		
Staging logs	0.5 hr.	@	\$125.00	/hr.	=	\$63		
							TOTAL LOADING/ HAULING/ STAGING COST=	\$176

LOG PLACEMENT

Sites (4)	3 hr.	@	<u>Rate</u> \$160.00	/hr.	=	\$480		
							TOTAL LOG PLACEMENT COST =	\$480

MOVE-IN

2nd Loader							\$1,500
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Compiled by: Jamie Gassner
Date: Dec 22, 2025

GRAND TOTAL =====> \$2,580

Rock Haul Cost Computation

SALE NAME:	Top Deer	DATE:	Dec 22, 2025
ROAD NAME:	Pt. 1 to Pt. 2	CLASS:	Medium
ROCK SOURCE:	Rickard		10 CY truck
Route:	Rickard - Highway 20 - Salmon Creek		

TIME Computation:

Road speed time factors:

1.	55 MPH	36.6	MRT	39.9 minutes
2.	50 MPH		MRT	0.0 minutes
3.	45 MPH		MRT	0.0 minutes
4.	40 MPH		MRT	0.0 minutes
5.	35 MPH		MRT	0.0 minutes
6.	30 MPH		MRT	0.0 minutes
7.	25 MPH		MRT	0.0 minutes
8.	20 MPH		MRT	0.0 minutes
9.	15 MPH	1.2	MRT	4.8 minutes
10.	10 MPH	2.6	MRT	15.6 minutes
11.	05 MPH		MRT	0.0 minutes

Dump or spread time per RT		0.50 minutes
Total hauling cycle time for this setting (100% efficiency)		60.80 minutes

Operator efficiency correction	0.85	71.53 minutes
Job efficiency correction	0.90	79.48 minutes

Truck capacity (CY)	10.00	7.95 min/CY
Loading time, delay time per CY		0.25 min/CY
TIME (minutes) per cubic yard		8.20 min/CY

COST per CY computation

Cost of truck and operator per hour	\$100.00 /hr.
Cost of truck and operator per minute	\$1.67 /min

Cost per CY	\$13.69 /CY
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Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½" - 0"	\$ 13.84	\$27.53
3" - 0"	\$ 12.49	\$26.18
Jaw-Run	\$ 11.48	\$25.17
Pit-Run	\$ 9.79	\$23.48

Rock Haul Cost Computation

SALE NAME: Top Deer
 ROAD NAME: Salmon Creek
 ROCK SOURCE: 1.5" Salmon Creek Stock Pile (S1)
 Route: S1 to Midpoint of Pt. 2 to Pt. 10

DATE: Dec 22, 2025
 CLASS: Medium
 10 CY truck

TIME Computation:

Road speed time factors:

1.	55 MPH	MRT	0.0 minutes
2.	50 MPH	MRT	0.0 minutes
3.	45 MPH	MRT	0.0 minutes
4.	40 MPH	MRT	0.0 minutes
5.	35 MPH	MRT	0.0 minutes
6.	30 MPH	MRT	0.0 minutes
7.	25 MPH	MRT	0.0 minutes
8.	20 MPH	MRT	0.0 minutes
9.	15 MPH	MRT	0.0 minutes
10.	10 MPH	2.8 MRT	16.8 minutes
11.	05 MPH	MRT	0.0 minutes

Dump or spread time per RT 0.50 minutes
 Total hauling cycle time for this setting
 (100% efficiency) 17.30 minutes

Operator efficiency correction 0.85 20.35 minutes
 Job efficiency correction 0.90 22.61 minutes

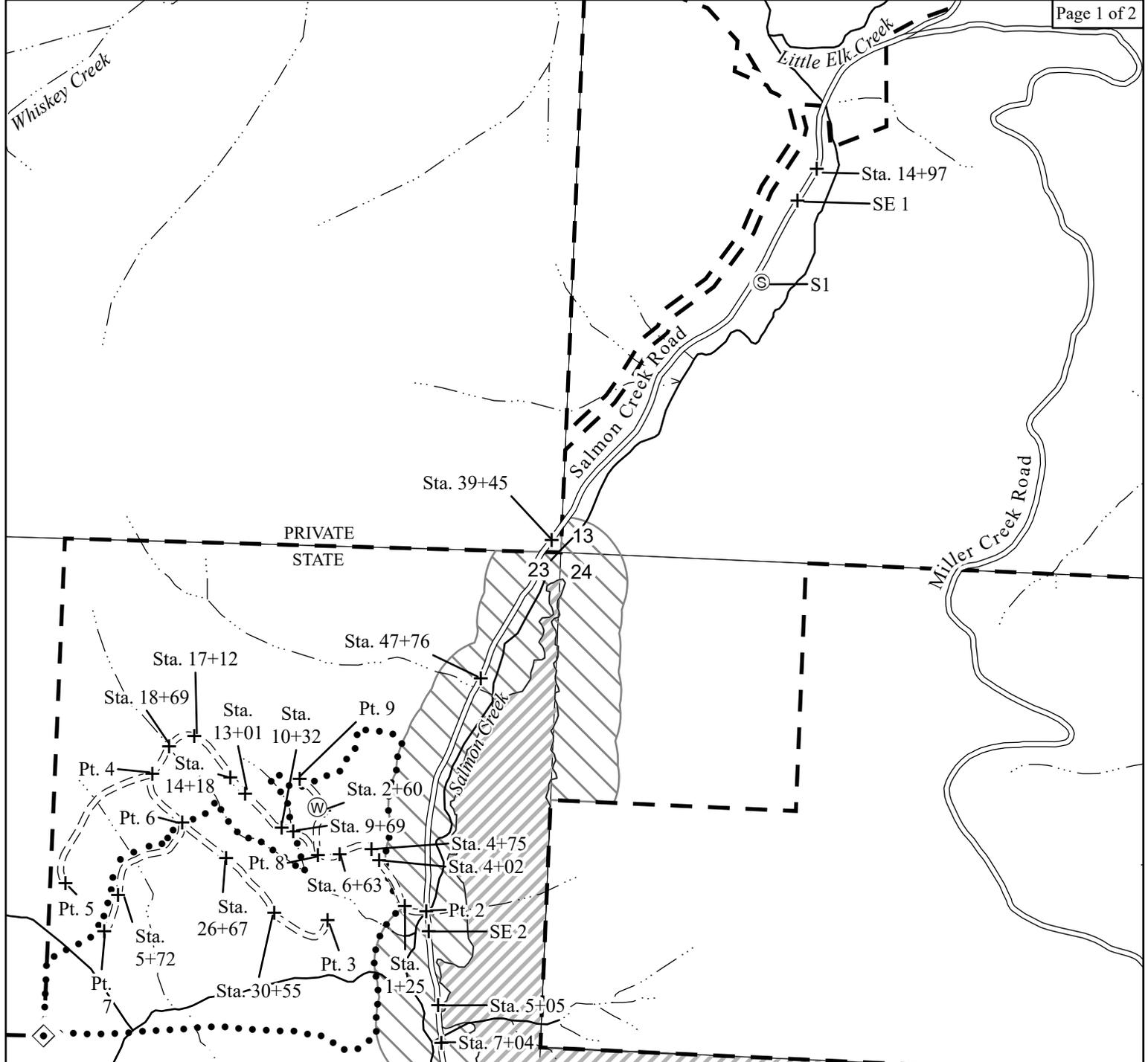
Truck capacity (CY) 10.00 2.26 min/CY
 Loading time, delay time per CY 0.75 min/CY
 TIME (minutes) per cubic yard 3.01 min/CY

COST per CY computation

Cost of truck and operator per hour \$100.00 /hr.
 Cost of truck and operator per minute \$1.67 /min

Cost per CY \$5.03 /CY

Size	Cost/Yd (Pit)	Cost Delivered
1½" - 0"	\$ -	w/o processing
		\$5.03



Legend

- Timber Sale Boundary
- Ownership
- Marbled Murrelet Management Area
- Non-Habitat Buffer
- Occupied Habitat
- Type F Stream
- Type N Stream
- Surfaced Road
- Unsurfaced Road
- Project Point
- Stockpile
- Waste Area

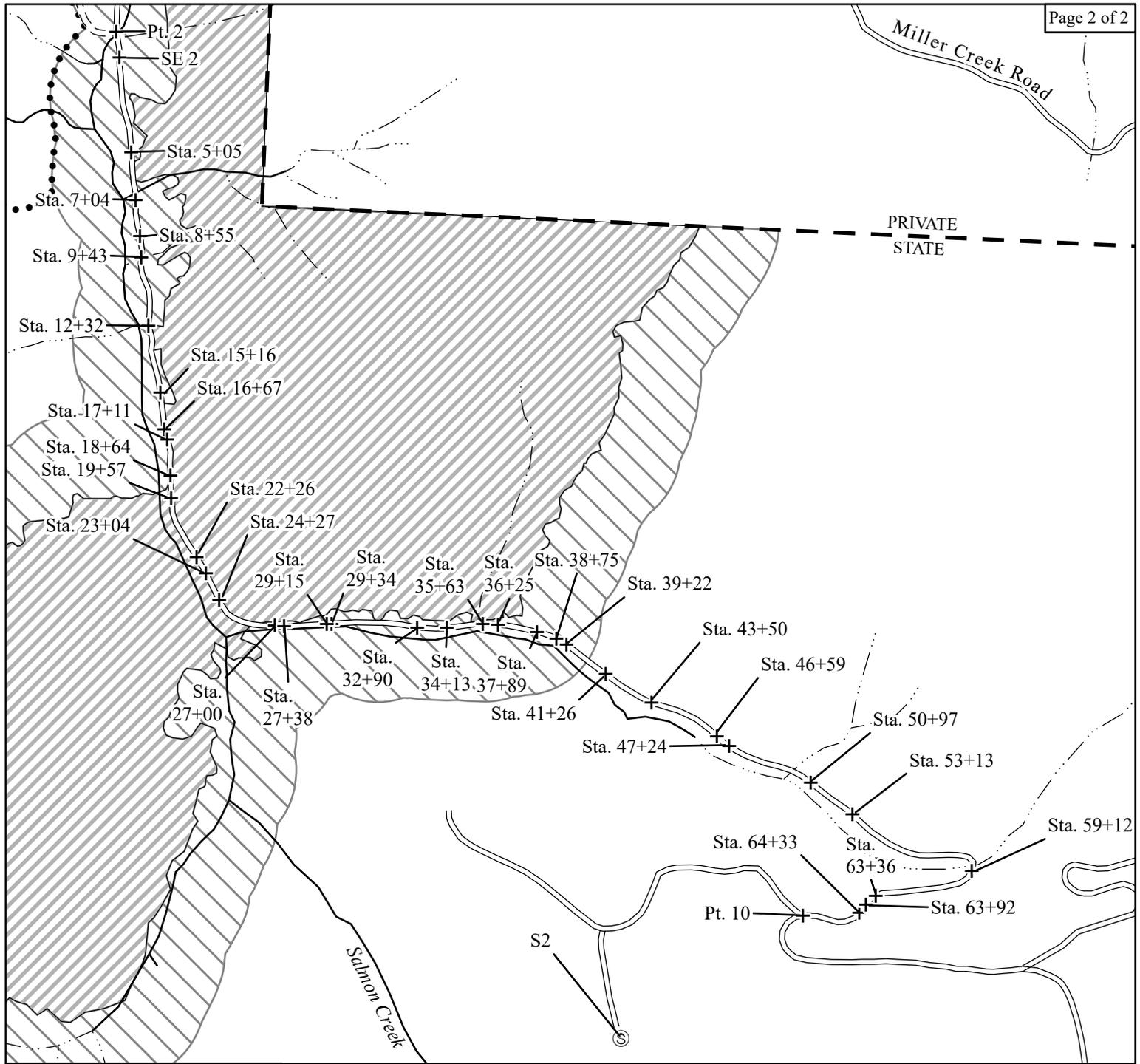
PROJECT MAP

OF TIMBER SALE CONTRACT NO. WO-341-2026-W01272-01
 TOP DEER
 PORTIONS OF SECTION 23, T11S, R09W, W.M.,
 LINCOLN COUNTY, OREGON

This product is for informational use and may not have been prepared for or be suitable for legal, engineering or survey purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of this information.

1:9,000





Legend

- Timber Sale Boundary
- - - Ownership
- Marbled Murrelet Management Area
- ▨ Non-Habitat Buffer
- ▩ Occupied Habitat
- Type F Stream
- - - Type N Stream
- == Surfaced Road
- Unsurfaced Road
- + Project Point
- Ⓢ Stockpile

PROJECT MAP

OF TIMBER SALE CONTRACT NO. WO-341-2026-W01272-01
 TOP DEER
 PORTIONS OF SECTION 23, T11S, R09W, W.M.,
 LINCOLN COUNTY, OREGON

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1:7,000



TIMBER CRUISE REPORT

Top Deer (WO-341-2026-W01272-01) FY 2026

1. **Sale Area Location:** Portions of Section 23, T11S, R09W, W.M., Lincoln County, Oregon.

2. **Fund Distribution:**

a. **Fund** BOF 99% CSL 1%

3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	No Harvest Slope	Existing Roads	Net Sale Acres	Acreage Comp. Method
1	Clearcut	43	11	1	2	29	GIS
Total		43	11	1	2	29	GIS

4. **Cruisers and Cruise Dates:** The sale was cruised by Jamie Gassner, Isabelle Doan, and Cody Valencia in October of 2025.

5. **Cruise Method and Computation:** The sale consists of one clearcut unit. The sale is a clearcut that was cruised using variable radius plot sampling on a 2.2 x 2.2 chain grid using a 40 BAF prism factor. A total of 37 plots were taken in the sale with 19 grade plots and 18 count plots.

Measure plots were measured for DBH, height, form factor, grade, and defect. Data was entered into the Atterbury SuperACE cruise program to determine stand statistics and net board foot volume. Additional volume was removed to account for hidden defect and breakage.

Digital ortho photos, Lidar data, and GPS data were used to map the boundaries for the sale, and ArcPro GIS was used to determine gross and net acreage.

6. **Measurement Standards:** Tree heights were measured to the nearest foot, to a top diameter of 5 inches inside bark or to 40% of dob at 16' form point. Diameters at breast height (DBH) were measured to the nearest inch, and a form point of 16 feet was used to calculate form factor. Form factors were measured or estimated on every tree. Most trees were graded in 40-foot log segments unless breakage, defect, or length to top of grade cruise diameter warranted otherwise.

7. **Timber Description:** Timber in Unit 1 includes 24 acres of predominately 59-year-old Douglas-fir with some scattered red alder and 5 acres of predominately 94-year-old Douglas-fir with some scattered red alder. The average Douglas-fir to be removed is approximately 20 inches DBH, with an average total height of 118 feet. The average red alder is approximately 14 inches DBH with an average height of 79 feet. The average volume per acre to be harvested is approximately 57.1 MBF/Acre (net).

8. **Statistical Analysis and Stand Summary:** (See attached "Statistics").

Unit	Target CV	Target SE	Actual CV	Actual SE
1	50%	9%	50.65	8.33

Note: Statistics shown are for conifer and hardwood trees combined. Percentages are for net board foot volume.

9. **Total Volume (MBF) by Species and Grade:** (See attached volume report "Species, Sort, Grade – Mbf by Species, Sort, Grade, Len, Dia Class").

**CRUISE DESIGN
WEST OREGON DISTRICT**

Sale Name: Top Deer **Area** 1

Harvest Type: MC Net BF Net BF
Approx. Cruise Acres: 31 **Estimated CV%** 50 /Acre **SE% Objective** 9 /Acre

Planned Sale Volume: 3.8 MMBF **Estimated Sale Area Value/Acre:** \$ 17,100

- A. Cruise Goals:** (a) Grade minimum 100 conifer and _____ hardwood trees:
 (b) Sample 37 cruise plots (19 grade: 18 count); (c) Other goals X Determine log grades for sale value; ___ Determine take and leave tree species and sizes.

(Special cruising directions – leave trees etc.) Take plots as shown on map. Do not take plots in buffers.

DO NOT RECORD 12', 22' and 32' (for Hardwoods).

DO NOT RECORD 22' LENGTHS.

B. Cruise Design:

- 1. Plot Cruises:** BAF Full point
 Cruise Line Direction(s) 90, 270
 Cruise Line Spacing 2.2, 145.2 (chains) (feet)
 Cruise Plot Spacing 2.2, 145.2 (chains) (feet)
 Grade/Count Ratio 1:1

C. Tree Measurements:

- 1. Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest ½" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.
- 2. Bole Length:** Record bole length to nearest foot at TCD. For trees greater than 100 feet in merchantable height, estimating to the nearest 5 feet is acceptable.
- 3. Top Cruise Diameter (TCD):** Minimum top inside bark for conifer is 5", 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 6" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" 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

Statistics of Sampled Population

State, County: OR	Lths: ACI-2023	Species: WEST ORE	Page: 1/1
Project: TOP DEER	#Plots 37	Sort: WEST ORE	Date: 11/25/2025
Tract: CC	# Trees: 219	Grade: WEST ORE	Cruised: 10/16/2025
Stand: 01	# Measured Trees: 109	Price: ACI-2018	Grown To:
Acres: 29.00	# Count Trees: 110	Cost: ACI-2023	Edited: 10/17/2025

Sample data collection information

	Total Plots	Sample Trees	Trees /Plot	Trees /Acre	Est Total Trees	% Sample Trees
Basal Plots (B)	19	109	5.74	82.968	2,406	4.53
Basal DBH Count Plots (B)	18	110	6.11	81.642	2,367	4.65

Stand Summary - Averages

Species Group	St	Sample Tres	QM Dbh	Avg Total Ht	Trees /Acre	Basal Area /Acre	RD %	Mbf CV %	Mbf SE %	Tons /Acre	Net Ccf /Acre	Net Mbf /Acre	Total Net Ccf	Total Net Mbf
DOUG FIR		90	19.9	118	126.916	274.58	61.53	50.4	8.5	382	133.96	55.418	3,885	1,607
R ALDER		13	13.6	79	31.100	31.42	8.52	85.6	25.8	26	9.31	2.838	270	82
D-WILDLI		4	38.2	183	0.886	7.04	1.14	71.7	41.4	13	4.58	2.465	133	71
		107	19.0	111	158.901	313.04	71.18	50.7	8.3	420	147.84	60.721	4,287	1,761

Confidence Level (CL) 95.44 out of 100. Standard Deviation (SD) 1.00

Coefficient of Variation % (CV) and Stand Error of Estimate % (SE) are both computed from plot data

Measured Unit	SD	CL	CV%	SE%	per-Acre Range			Plots Required for SE%			Total Volume Range		
					Low	Avg	High	5%	10%	15%	Low	Avg	High
Net Mbf (1000 BdFt)	1.00	95.44	50.65	8.33	55.66	60.72	65.78	102	25	11	1,614	1,761	1,908
Net Ccf (100 CuFt)	1.00	95.44	45.12	7.42	136.87	147.84	158.81	81	20	9	3,969	4,287	4,605
Net Tons	1.00	95.44	45.29	7.45	389.12	420.42	451.72	82	20	9	11,284	12,192	13,100
Basal Area	1.00	95.44	39.53	6.50	297.09	317.74	338.39	62	15	6			
Trees	1.00	95.44	51.55	8.47	150.66	164.61	178.56	106	26	11			

	SD	CL	CV%	SE%	per-Tree Range			Sample Trees Required		
					Low	Avg	High	5%	10%	15%
Sample Trees BF	1.00	95.44	120.04	10.45	626	699	773	576	144	64
Sample Trees CF	1.00	95.44	97.14	8.45	140	152	165	377	94	41

Trees per Plot	Number Required		
Required Measured Trees per Plot - BdFt per Acre	5	5	5
Required Measured Trees per Plot - CuFt per Acre	4	4	4

Species, Sort, Grade - Mbf by Species, Sort, Grade, Len, Dia Class

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Lths and Dias: ACI-2023

Species: WEST ORE

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Project: TOP DEER

Plots: 37

Sort: WEST ORE

Date: 11/25/2025

Tract: CC

Trees: 219

Grade: WEST ORE

Cruised: 10/16/2025

Stand: 01

Meas Trees: 109

Price: ACI-2018

Grown To:

Acres: 29.00

Count Trees: 110

Cost: ACI-2023

Edited: 10/17/2025

Species	Stat	Srt	Grd	Log Len Class	Total Net Ccf	Total Tons	Total Gross Mbf	% Def	Total Net Mbf	% Tot Mbf	Net Mbf Percent (%) by Log Sealing Diameter Classes						Avg Log Len	Avg Sca Dia	Avg BdFt /Log	Avg CuFt /Mbf	Logs /Acre	CuFt Tons /Mbf	CuFt / Len Ft
											2-4	5-7	8-11	12-17	18-23	24-29							
DFW	DO	3M		16-21	6	16	2		2	3.3			0.7	2.6				93	233	.886	6.7	1.2	
DFW			Totals		133	378	73	1.4	71	100.0			0.7	16.3	7.5	50.8	24.6	696	186	3.542	5.3	3.8	
DFW					Percent Total Vol of Species: 4.1																		
Totals All Species					4,287	12,192	1,781		1,761	100.0			9.8	22.8	35.9	19.2	9.5	2.7	155	391.657	243	6.9	1.2

Stand Summary Report

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Species WEST ORE

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Project: TOP DEER

Plots: 37

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Spp	St	Dbh	Smpl Trees	Avg Age	Avg FF	Avg Total Ht	Trees /Ac	BA /Ac	Logs /Ac	Ht/D Inches	Net Per Log		Net Per Acre			BdFt Def %	Total Net		
											CuFt	BdFt	Tons	CuFt	BdFt		Tons	Ccf	Mbf
DF		9	1	59	83	57	3.552	1.57	3.552	76.6	8	30	1	28	107	0.0	23	8	3
DF		12	2	59	87	101	3.639	2.86	7.277	101.4	14	53	3	104	383	0.0	86	30	11
DF		13	1	59	85	84	1.623	1.50	3.247	77.1	14	45	1	45	146	0.0	38	13	4
DF		14	2	59	85	102	2.810	3.00	5.620	87.4	20	69	3	115	389	0.0	95	33	11
DF		15	2	59	85	107	2.440	2.99	6.128	86.0	20	66	3	120	403	3.0	99	35	12
DF		16	3	59	85	111	3.205	4.47	9.614	83.1	19	72	5	186	691	1.7	154	54	20
DF		17	7	59	85	113	6.575	10.36	18.680	79.5	24	85	13	446	1,579	1.8	369	129	46
DF		18	10	59	85	119	8.416	14.87	24.509	79.0	27	94	19	660	2,310	1.1	545	191	67
DF		19	5	59	85	119	3.766	7.42	11.299	75.4	30	106	10	339	1,194	1.3	281	98	35
DF		20	8	59	86	118	71.845	155.53	197.188	71.2	38	157	215	7,549	30,940	1.1	6,240	2,189	897
DF		21	7	59	87	129	4.155	9.99	11.886	73.6	40	161	14	478	1,908	1.9	395	139	55
DF		22	2	59	85	134	1.138	3.00	3.414	73.1	43	167	4	146	571	1.9	121	42	17
DF		23	7	59	86	134	3.539	10.21	10.618	70.0	49	196	15	516	2,085	1.5	426	150	60
DF		24	2	59	86	133	0.932	2.93	2.796	66.5	52	211	4	145	591	1.5	120	42	17
DF		25	5	59	87	149	2.105	7.18	6.745	71.6	58	247	11	393	1,663	1.5	325	114	48
DF		26	4	59	89	147	1.491	5.50	4.843	67.8	64	286	9	308	1,387	1.9	255	89	40
DF		27	2	59	87	137	0.723	2.87	2.169	61.0	67	281	4	145	609	1.1	120	42	18
DF		28	4	59	88	149	1.313	5.61	4.243	64.0	73	337	9	310	1,432	2.0	257	90	42
DF		29	3	59	86	155	0.953	4.37	3.486	64.0	71	337	7	248	1,176	0.0	205	72	34
DF		30	2	59	89	150	0.556	2.73	1.946	60.0	78	377	4	152	734	0.4	125	44	21
DF		31	1	59	86	168	0.279	1.46	1.116	64.9	78	375	2	87	418	0.0	72	25	12
DF		32	1	59	86	145	0.262	1.46	0.785	54.5	97	443	2	76	348	1.5	63	22	10
DF		36	3	59	88	163	0.598	4.23	2.002	54.2	125	645	7	250	1,291	1.3	207	73	37
DF		37	3	59	89	179	0.553	4.13	2.211	58.1	122	683	8	270	1,511	0.4	223	78	44
DF		39	1	59	86	162	0.176	1.46	0.705	50.0	123	660	2	87	465	0.0	72	25	13
DF		43	1	59	86	188	0.145	1.46	0.580	52.3	166	918	3	96	532	2.2	80	28	15
DF		45	1	59	88	194	0.126	1.40	0.506	51.8	189	1,093	3	96	552	0.0	79	28	16
DF			90	59	86	118	126.916	274.58	347.164	73.8	39	160	382	13,396	55,418	1.2	11,072	3,885	1,607
RA		11	3	59	87	99	6.493	4.28	8.657	107.9	16	53	4	134	454	0.0	107	39	13
RA		12	1	59	87	55	1.819	1.43	1.819	55.4	16	50	1	29	91	0.0	23	8	3
RA		13	2	59	87	71	3.099	2.86	4.649	65.7	19	53	2	87	248	0.0	69	25	7
RA		14	2	59	87	75	15.395	15.71	19.425	66.0	23	69	12	452	1,334	0.0	360	131	39
RA		15	1	59	87	60	1.164	1.43	1.164	48.3	32	70	1	37	81	0.0	30	11	2
RA		16	2	59	87	83	2.046	2.86	3.069	61.9	31	100	3	94	307	0.0	75	27	9
RA		19	1	59	87	78	0.725	1.43	1.451	49.5	36	115	1	52	167	0.0	41	15	5
RA		27	1	59	87	71	0.359	1.43	0.718	31.7	65	215	1	46	154	0.0	37	13	4
RA			13	59	87	79	31.100	31.42	40.951	72.4	23	69	26	931	2,838	0.0	742	270	82
SN		12	0	59	86	115	1.861	1.46	0.000	115.0						0.0			
SN		13	0	59	86	120	1.586	1.46	0.000	110.8						0.0			
SN			0	59	86	117	3.447	2.92	0.000	113.1	0	0				0.0			
RC		12	0	59	78	0	2.262	1.78	0.000	0.0						0.0			
RC			0	59	78	0	2.262	1.78	0.000	0.0	0	0				0.0			
DFW		33	1	59	86	181	0.246	1.46	0.984	65.8	95	478	3	94	470	0.0	77	27	14
DFW		38	0	59	87	183	0.177	1.41	0.708	57.5	129	696	3	92	493	1.4	76	27	14
DFW		40	2	59	89	185	0.314	2.74	1.255	55.4	146	822	5	183	1,032	0.0	151	53	30
DFW		42	1	59	87	182	0.148	1.43	0.594	52.1	151	793	3	90	471	6.0	74	26	14

Stand Summary Report

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Species WEST ORE

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Plots: 37

Sort: WEST ORE

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Spp	St	Dbh	Smpl Trees	Avg Age	Avg FF	Avg Total Ht	Trees /Ac	BA /Ac	Logs /Ac	Ht/D Inches	Net Per Log		Net Per Acre			BdFt Def %	Total Net		
											CuFt	BdFt	Tons	CuFt	BdFt		Tons	Ccf	Mbf
DFW			4	59	87	183	0.886	7.04	3.542	58.1	129	696	13	458	2,465	1.4	378	133	71
Stands/Project:			107	59	86	109	164.610	317.74	391.657	73.3	38	155	420	14,784	60,721	1.1	12,192	4,287	1,761

Log Stock - Mbf by Species, Sort, Grade, Len, Dia Class

State, County: OR

Lths And Dias ACI-2023

Species: WEST ORE

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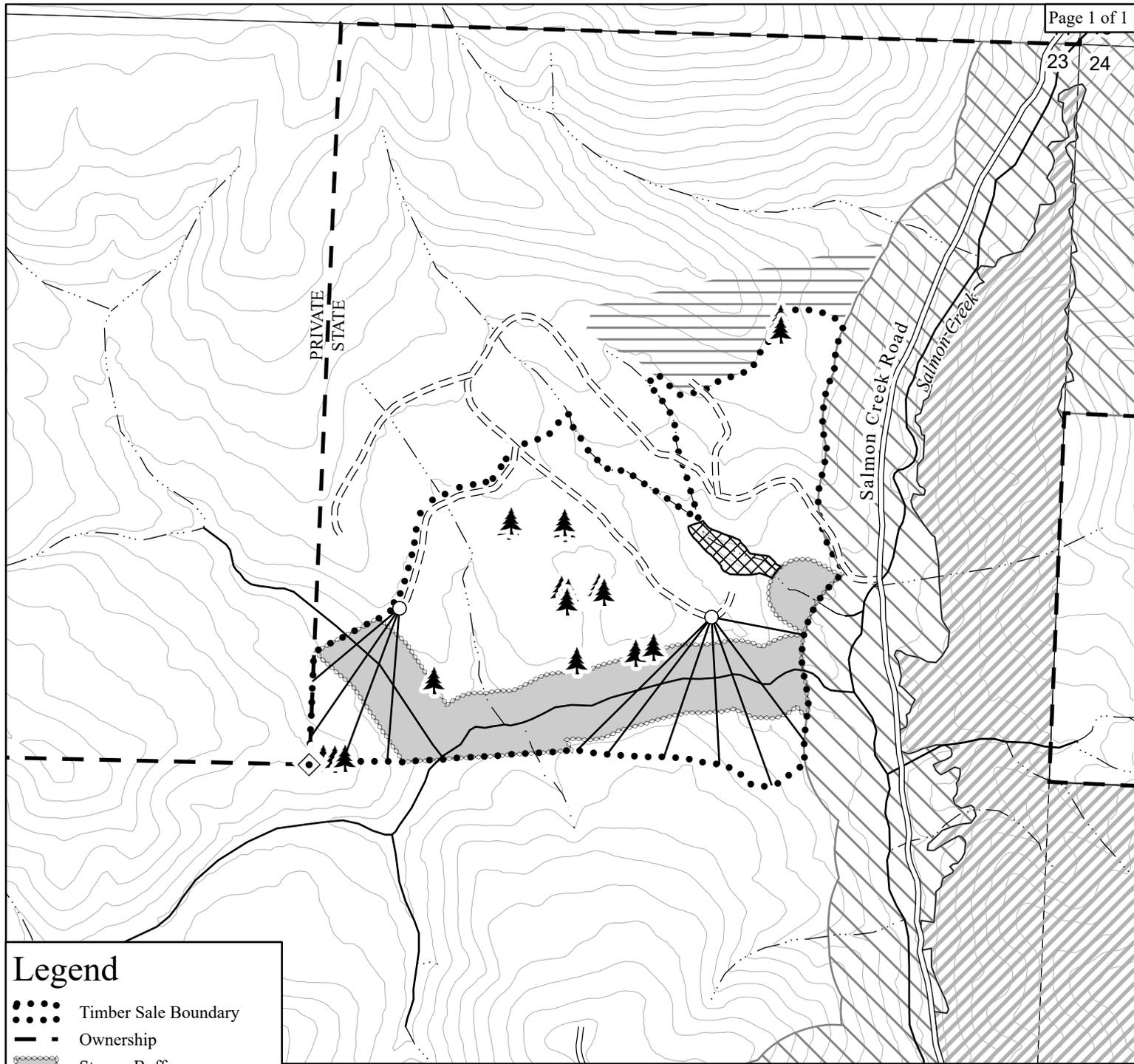
Acres: 29.00

Count Trees: 110

Cost: ACI-2023

Edited: 10/17/2025

Species	Stat us	Srt	Grd	Log Len Class	Gross Mbf	% Def	Net Mbf	% Spp	BdFt Per Acre	Net Mbf by Scaling Diameter in Inches								
										2-4	5-7	8-11	12-17	18-23	24-29	30-39	40-99	
DF	DO	2M		12-15	1	.0	1	0.0	22				1					
DF	DO	2M		16-21	1	.0	1	0.1	36				1					
DF	DO	2M		24-27	11	.0	11	0.7	364				11					
DF	DO	2M		28-31	2	.0	2	0.1	82				2					
DF	DO	2M		32-35	9	1.2	9	0.6	322				9					
DF	DO	2M		36-39	22	3.2	21	1.3	740				17	4				
DF	DO	2M		40+	1,058	1.1	1,046	65.1	36,073				556	329	131		31	
DF	DO	3M		12-15	1	.0	1	0.0	23				1					
DF	DO	3M		24-27	6	.0	6	0.4	217				2	4				
DF	DO	3M		28-31	22	.7	22	1.4	765		14		9					
DF	DO	3M		32-35	62	1.0	61	3.8	2,107		23		39					
DF	DO	3M		36-39	66	2.2	64	4.0	2,217		3		61					
DF	DO	3M		40+	289	1.3	286	17.8	9,850		21		259	5				
DF	DO	4M		12-15	16	.0	16	1.0	544		12		3					
DF	DO	4M		16-21	20	1.0	19	1.2	672		17		3					
DF	DO	4M		24-27	18	.0	18	1.1	609		16		2					
DF	DO	4M		28-31	9	.0	9	0.6	319		9							
DF	DO	4M		32-35	8	.0	8	0.5	283		8							
DF	DO	4M		36-39	5	.0	5	0.3	173		5							
DF		Total			1,626	1.2	1,607	91.3	55,418		127		378	607	333	131	31	
RA	DO	CR		12-15	1	.0	1	0.9	26		1							
RA	DO	CR		16-21	5	.0	5	5.8	165		4		1					
RA	DO	CR		28-31	10	.0	10	11.9	337		10							
RA	DO	CR		32-35	10	.0	10	12.7	360		3		7					
RA	DO	CR		36-39	15	.0	15	18.8	533		9		6					
RA	DO	CR		40+	41	.0	41	49.9	1,416		18		9	14				
RA		Total			82		82	4.7	2,838		45		23	14				
DFW	DO	2M		40+	70	1.5	69	96.7	2,383				10	5	36		18	
DFW	DO	3M		16-21	2	.0	2	3.3	82				1	2				
DFW		Total			73	1.4	71	4.1	2,465				1	12	5	36	18	
Stand(s)/Project Totals					1,781	1.1	1,761	100.0	60,721									
					Percent Measured Tree Net Mbf =				100.0			172		402	632	339	167	48



Legend

- Timber Sale Boundary
- Ownership
- Stream Buffer
- Slope Buffer
- Marbled Murrelet Management Area
- Non-Habitat Buffer
- Occupied Habitat
- Reforestation Area
- Unsurfaced Road
- Type F Stream
- Type N Stream
- Cable Corridor
- Landing
- Upland Wildlife Tree
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2026-W01272-01
 TOP DEER
 PORTIONS OF SECTION 23, T11S, R09W, W.M.,
 LINCOLN COUNTY, OREGON

CABLE TRACTOR		
UNIT	ACRES	ACRES
1	5	24
TOTAL	5	24

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