Timber Sale Appraisal
Millers Woods Thin
Sale WO-341-2026-001171-01

District: West Oregon

Date: October 08, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$223,570.80	$0.00	$223,570.80
		Project Work:	($44,623.00)
		Advertised Value:	$178,947.80

Timber Sale Appraisal
Millers Woods Thin
Sale WO-341-2026-001171-01

District: West Oregon **Date: October 08, 2025**

Timber Description

Location: T11S R8W, Sections 18, 19; T11S R9W, Section 24

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	12	0	96

Volume by Grade	3S & 4S 6"-11"	Total
Douglas - Fir	1,016	1,016
Total	1,016	1,016

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

Western Hemlock and other Conifers Stumpage Price = Pond value minus logging costs:
$40.05/MBF = $535/MBF - $494.95/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
$705.05/MBF = $1200/MBF - $494.95/MBF

Red Alder 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 (no Profit and Risk to be added)
None

Other Costs (with Profit and Risk to be added):
Equipment Cleaning (Invasive Species): $2000
Intermediate Support/Tail Tree: 9 supports @ $100/support = $900
Landing slash piling and firewood sorting: 8 Landings @ $180/ Landing = $1,440
Water Bar and Block Dirt Roads: 10 Stations @ $16.95/Station = $169.50
TOTAL Other Costs (With Profit and Risk) = $4,509.50

ROAD MAINTENANCE
Move-in: Grader $950
Final Road Maintenance: $ 17,215.20
TOTAL Road Maintenance: $ 17,215.20/1,016 MBF = $16.94/MBF

Timber Sale Appraisal
Millers Woods Thin
Sale WO-341-2026-001171-01

District: West Oregon **Date: October 08, 2025**

Logging Conditions

Combination#: 1 Douglas - Fir 68.61%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing

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

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 7 **bd. ft / load:** 3900

cost / mbf: $292.24

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

Combination#: 2 Douglas - Fir 22.82%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing

yarding distance: Long (1,500 ft) **downhill yarding:** No

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 6 **bd. ft / load:** 3900

cost / mbf: $340.94

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

Combination#: 3 Douglas - Fir 8.57%

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

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

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 14 **bd. ft / load:** 3900

cost / mbf: $183.16

machines: Shovel Logger

Timber Sale Appraisal
Millers Woods Thin
Sale WO-341-2026-001171-01

District: West Oregon **Date: October 08, 2025**

Logging Costs

Operating Seasons:	3.00	**Profit Risk:**	12%
Project Costs:	$44,623.00	**Other Costs (P/R):**	$4,509.50
Slash Disposal:	$0.00	**Other Costs:**	$0.00

Miles of Road

Road Maintenance: $16.94

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	3.9

Timber Sale Appraisal
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District: West Oregon **Date: October 08, 2025**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$294.00	$17.62	$12.96	$111.11	$4.44	$52.82	$0.00	$2.00	$0.00	$494.95

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$715.00	$220.05	$0.00

Timber Sale Appraisal
Millers Woods Thin
Sale WO-341-2026-001171-01

District: West Oregon **Date: October 08, 2025**

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	$0.00	$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,016	$220.05	$223,570.80

Gross Timber Sale Value

Recovery: $223,570.80

Prepared By: Isabelle Doan **Phone:** 541-929-9163

SUMMARY OF ALL PROJECT COSTS

Sale Name: Millers Woods Thin Date: June 2025
Time: 9:11

Project #1 - New Construction

Road Segment	Length	Cost
A to B	6.5 sta	$3,249
TOTALS	6.5 sta	$3,249

Project #2 - Road Improvement, Surface Rock Replacement and Maintenance

Road Segment	Length	Cost
1 to 2	317.5 sta	$8,446
3 to 4	139.3 sta	$5,990
4 to 5	32.8 sta	$2,433
5 to 6	41.2 sta	$6,748
7 to 8	28.1 sta	$5,821
9 to 10	51.2 sta	$3,618
11 to 12	5.0 sta	$998
13 to 14	5.4 sta	$1,060
15 to 16	4.5 sta	$1,410
TOTALS	569.3 sta	$36,524

Project #3 - Equipment Move in	Cost
Excavator, C325 or equiv.	$1,500
Dozer, D-6 or equiv.	$950
Grader, Cat 14-G or equiv.	$950
Vibratory roller	$950
Brusher	$500
TOTAL	$4,850

GRAND TOTAL **$44,623**

Compiled by: Isabelle Doan Date 06/05/2025

SUMMARY OF CONSTRUCTION COST

SALE	Millers Woods Thin	Project #	1		LENGTH	const		6.5 sta
ROAD	A to B							

CLEARING AND GRUBBING				Rate			
Road and Landing	0.5 ac		@	$1,470.00	/acre	=	$735
				TOTAL CLEARING AND GRUBBING =			$735

EXCAVATION				Rate			
Construct road	6.5 sta		@	$235.00	/sta	=	$1,528
Construct landing	1 ldg		@	$480.00	/ldg	=	$480
Shape subgrade (w/ grader)	6.5 sta		@	$22.69	/sta	=	$147
Compact subgrade (w/ roller)	6.5 sta		@	$16.00	/sta	=	$104
					TOTAL EXCAVATION =		$2,259
SURFACING		Size		Rate			
Junction rock	10 CY	Jaw-Run	@	$25.51	/CY	=	$255
					TOTAL ROCK COST =		$255

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $3,249

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 317.5 sta
ROAD 1 to 2

IMPROVEMENT				Rate			
Shape surface (w/ grader)	80.0 sta	@	$	22.69	/sta	=	$1,815
Compact surface (w/ roller)	80.0 sta	@	$	16.00	/sta	=	$1,280
Construct Rolling Waterbars (Sta. 235 + 20 to 240 + 00)	1 hr	@	$	114.00	/hr	=	$114
Reestablish ditch (Sta. 179 + 60 to 185 + 60) & (53 + 10)	7.0 sta	@	$	48.00	/sta	=	$336
Construct Ditchout (Sta. 243 + 40)	0.5 hrs	@	$	114.00	/hr	=	$57
						TOTAL IMPROVEMENT =	$3,602

SURFACING		Size		Rate			
Spot rock	100 CY	1½"-0"	@	$ 27.87	/CY	=	$2,787
Culvert bedding rock	20 CY	1½"-0"	@	$ 27.87	/CY	=	$557
						TOTAL ROCK COST =	$3,344

SPECIAL PROJECTS				Rate			
Clean out culverts (inlets and outlets) (Sta 167 + 00)	1 culvert	@	$	25.00	ea	=	$25
Culvert disposal	1 culvert	@	$	100.00	ea	=	$100
Cross drain culvert (18" x 30')	30 ft	@	$	16.50	/ft	=	$495
Install culvert (w/ excavator) (Sta. 185 + 60)	2 hrs	@	$	160.00	/hr	=	$320
Remove debris (w/ excavator) (Sta. 149 + 10)	1 hr	@	$	160.00	/hr	=	$160
Trash disposal fee	1 ea	@	$	200.00	/ea	=	$200
End haul trash	2 hrs	@	$	100.00	/hr	=	$200
						TOTAL SPECIAL PROJECTS COST =	$1,500

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $8,446

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 139.3 sta
ROAD 3 to 4

IMPROVEMENT				Rate				
Shape surface (w/ grader)	90.0	sta	@	$22.69	/sta	=	$2,042	
Compact surface (w/ roller)	90.0	sta	@	$16.00	/sta	=	$1,440	
						TOTAL IMPROVEMENT =		$3,482

SURFACING			Size		Rate				
Spot rock	90	CY	1½"-0"	@	$27.87	/CY	=	$2,508	
							TOTAL ROCK COST =		$2,508

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $5,990

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 32.8 sta
ROAD 4 to 5

IMPROVEMENT				Rate				
Shape surface (w/ grader)	15.0	sta	@	$22.69	/sta	=	$340	
Compact surface (w/ roller)	15.0	sta	@	$16.00	/sta	=	$240	
						TOTAL IMPROVEMENT =		$580
SURFACING			Size	Rate				
Spot rock	20	CY	1½"-0"	@ $27.87	/CY	=	$557	
						TOTAL ROCK COST =		$557
SPECIAL PROJECTS				Rate				
Reestablish ditch	27.0	sta	@	$48.00	/sta	=	$1,296	
						TOTAL SPECIAL PROJECTS COST =		$1,296

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $2,433

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 41.2 sta
ROAD 5 to 6

CLEARING AND GRUBBING				Rate				
Remove large stump	1	stmp	@	$90.00	/stmp	=	$90	
					TOTAL CLEARING AND GRUBBING =			$90
EXCAVATION				Rate				
Bank slough removal (w/ excavator)	2.0	hrs	@	$160.00	/hr	=	$320	
End haul material (30% expansion)	270	CY	@	$6.20	/CY	=	$1,674	
Compact waste material	270	CY	@	$0.50	/CY	=	$135	
Widen turnout (Sta. 36+00)	0.5	hrs	@	$160.00	/hr	=	$80	
Create waste area (w/ dozer)	1	hr	@	$140.00	/hr	=	$140	
						TOTAL EXCAVATION =		$2,349
IMPROVEMENT				Rate				
Sod removal	20.0	sta	@	$16.95	/sta	=	$339	
Shape surface (w/ grader)	20.0	sta	@	$22.69	/sta	=	$454	
Compact surface (w/ roller)	20.0	sta	@	$16.00	/sta	=	$320	
						TOTAL IMPROVEMENT =		$1,113

SURFACING			Size		Rate				
Spot rock	40	CY	1½"-0"	@	$27.87	/CY	=	$1,115	
Turnout rock (Sta. 36+00)	10	CY	3"-0"	@	$26.52	/CY	=	$265	
Base rock (Sta. 12+10 to 13+00)	40	CY	Jaw-Run	@	$25.51	/CY	=	$1,020	
Surface rock (2"lift) (Sta. 12+10 to 13+00)	30	CY	3"-0"	@	$26.52	/CY	=	$796	
							TOTAL ROCK COST =		$3,196

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $6,748

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 28.1 sta
ROAD 7 to 8

CLEARING AND GRUBBING				Rate			
Road and Landing	0.2 ac	@	$ 1,470.00	/acre	=	$294	
Brushing	0.41 mi	@	$ 1,550.00	/mi	=	$636	
				TOTAL CLEARING AND GRUBBING =			$930

EXCAVATION				Rate			
Extend road (w/dozer)	6.7 sta	@	$ 152.00	/sta	=	$1,018	
Construct landing (Sta. 21 + 14 and 28 + 10)	2 ldg	@	$ 480.00	/ldg	=	$960	
Shape subgrade (w/ grader)	6.7 sta	@	$ 22.69	/sta	=	$152	
Compact subgrade (w/ roller)	6.7 sta	@	$ 16.00	/sta	=	$107	
				TOTAL EXCAVATION =			$2,237

IMPROVEMENT				Rate			
Sod Removal (w/grader)	21.4 sta	@	$ 16.95	/sta	=	$363	
Shape surface (w/ grader)	21.4 sta	@	$ 22.69	/sta	=	$486	
Compact surface (w/ roller)	21.4 sta	@	$ 16.00	/sta	=	$342	
Construct ditchout (w/ excavator) (Sta. 2 + 10)	0.5 hrs	@	$ 160.00	/hr	=	$80	
Construct Driveable Waterbar (Sta. 2 + 10)	0.5 hrs	@	$ 114.00	/hr	=	$57	
				TOTAL IMPROVEMENT =			$1,328

SURFACING		Size		Rate			
Junction rock	10 CY	3"-0"	@ $ 26.52	/CY	=	$265	
Spot Rock	40 CY	3"-0"	@ $ 26.52	/CY	=	$1,061	
				TOTAL ROCK COST =			$1,326

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $5,821

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 51.2 sta
ROAD 9 to 10

CLEARING AND GRUBBING				Rate			
Road and Landing	0.12	ac	@	$1,470.00	/acre	=	$176
				TOTAL CLEARING AND GRUBBING =			$176

IMPROVEMENT				Rate			
Re-open road	4.4	sta	@	$41.00	/sta	=	$180
Re-open landing	2	hrs	@	$160.00	/hr	=	$320
Shape surface (w/ grader)	40.0	sta	@	$22.69	/sta	=	$908
Compact surface (w/ roller)	40.0	sta	@	$16.00	/sta	=	$640
				TOTAL IMPROVEMENT =			$2,048

SURFACING			Size		Rate			
Spot rock	50	CY	1½"-0"	@	$27.87	/CY	=	$1,394
					TOTAL ROCK COST =			$1,394

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $3,618

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 5.0 sta
ROAD 11 to 12

EXCAVATION				Rate			
Reopen road (with dozer)	0.5 hrs		@	$140.00	/hr =	$70	
					TOTAL EXCAVATION =		$70
IMPROVEMENT				Rate			
Shape subgrade (w/ grader)	5.0 sta		@	$22.69	/sta =	$113	
Compact subgrade (w/ roller)	5.0 sta		@	$16.00	/sta =	$80	
					TOTAL IMPROVEMENT =		$193
EXCAVATION				Rate			
Construct landing (Sta. 1 + 80)	1 ldg		@	$480.00	/ldg =	$480	
					TOTAL EXCAVATION =		$480
SURFACING		Size		Rate			
Junction rock	10 CY	Jaw-Run	@	$25.51	/CY =	$255	
					TOTAL ROCK COST =		$255

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $998

SUMMARY OF CONSTRUCTION COST

SALE Millers Woods Thin Project # 2 LENGTH improve 5.4 sta
ROAD 13 to 14

CLEARING AND GRUBBING				Rate			
Road and Landing	0.16 ac	@	$1,470.00	/acre	=	$235	
				TOTAL CLEARING AND GRUBBING =			$235

IMPROVEMENT			Rate			
Re-open road (w/dozer)	5.4 sta	@	$41.00	/sta	=	$221	
Re-open landing (w/dozer)	1 hr	@	$140.00	/hr	=	$140	
Shape subgrade (w/ grader)	5.4 sta	@	$22.69	/sta	=	$123	
Compact subgrade (w/ roller)	5.4 sta	@	$16.00	/sta	=	$86	
				TOTAL IMPROVEMENT =			$570

SURFACING		Size		Rate			
Junction rock	10 CY	Jaw-Run	@	$25.51	/CY	=	$255
					TOTAL ROCK COST =		$255

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $1,060

SUMMARY OF CONSTRUCTION COST

SALE	Millers Woods Thin	Project #	2	LENGTH	improve 4.5 sta
ROAD	15 to 16				

CLEARING AND GRUBBING				Rate				
Road and Landing	0.12	ac	@	$1,470.00	/acre	=	$176	
					TOTAL CLEARING AND GRUBBING =			$176
EXCAVATION				Rate				
Construct landing (Sta. 0 + 40)	1	ldg	@	$480.00	/ldg	=	$480	
					TOTAL EXCAVATION =			$480
IMPROVEMENT				Rate				
Re-open road (with dozer)	4.5	sta	@	$41.00	/sta	=	$185	
Re-open landing w/dozer (Sta. 4 + 50)	1	hr	@	$140.00	/ldg	=	$140	
Shape surface (w/ grader)	4.5	sta	@	$22.69	/sta	=	$102	
Compact surface (w/ roller)	4.5	sta	@	$16.00	/sta	=	$72	
					TOTAL IMPROVEMENT =			$499

SURFACING		Size		Rate				
Junction rock	10	CY	Jaw-Run	@ $25.51	/CY	=	$255	
					TOTAL ROCK COST =			$255

Compiled by: Isabelle Doan
Date: Jun 5, 2025

GRAND TOTAL =====> $1,410

SUMMARY OF MAINTENANCE COST

SALE Millers Woods Thin Final log haul Maintenance Cost Estimate

(Costed in appraisal, not in project costs)

Move-in	Grader	$	950

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	240.0	$22.69	$5,445.60	4.55
3 to 4	139.3	$22.69	$3,160.72	2.64
4 to 5	32.8	$22.69	$744.23	0.62
5 to 6	41.2	$22.69	$934.83	0.78
7 to 8	28.1	$22.69	$637.59	0.53
9 to 10	51.2	$22.69	$1,161.73	0.97
Total	532.6		$12,084.70	10.09

Maintenance Rock:

	Volume	Cost/CY	Cost
1½"-0"	150	$27.87	$4,180.50

Grand Total		$	17,215.20
TS Volume	1,016 MBF		
Cost / MBF =			$16.94

NOTES:

Rock Haul Cost Computation

SALE NAME: Millers Woods Thin DATE: Jun 5, 2025
ROAD NAME: Miller Creek and Stromboulder CLASS: Medium
ROCK SOURCE: Rickard 10 CY truck
Route: Hwy 20

TIME Computation:
Road speed time factors:

1.	55 MPH		MRT	0.0	minutes
2.	50 MPH	31.2	MRT	37.4	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	8.7	MRT	26.1	minutes
9.	15 MPH		MRT	0.0	minutes
10.	10 MPH		MRT	0.0	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)		64.04	minutes
Operator efficiency correction	0.85	75.34	minutes
Job efficiency correction	0.90	83.71	minutes
Truck capacity (CY)	10.00	8.37	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		8.62	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	$14.37	/CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½" - 0"	$ 13.50	$27.87
3" - 0"	$ 12.15	$26.52
Jaw-Run	$ 11.14	$25.51
Pit-Run	$ 9.45	$23.82

TIMBER CRUISE REPORT

Millers Woods Thin
(WO-341-2026-W01171-01)
FY 2025

1. **Sale Area Location:** Portions of Section 24 of T11S R9W, Sections 18 and 19 of T11S R8W W.M., Lincoln County, Oregon

2. **Fund Distribution:**
   a. **Fund** BOF 93%
   CSL 7%

3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	Non-Thinnable Areas	Existing Roads	New Roads	Net Sale Acres	Acreage Comp. Method
1	Partial Cut	79	15	3	2	1	58	GIS
2	Partial Cut	67	13	-	1	-	53	GIS
3	Partial Cut	62	7	-	1	<1	54	GIS
Total		208	35	3	4	1	165	

4. **Cruisers and Cruise Dates:** This sale was cruised by Isabelle Doan and Jeff Kuust in January 2025.

5. **Cruise Method and Computation:** The sale consists of three Partial Cut units that were cruised using variable radius plot sampling. All units were cruised using a basal area factor of 20, on a 6x6 chain cruise grid. On Unit 1, a total of 6 measure plots and 7 count plots were taken. On Unit 2, a total of 9 measure plots, and 8 count plots were taken. On Unit 3, a total of 6 measure plots and 7 count plots were taken.

   Measure plots were measured for DBH, height, form factor, grade, and defect. Data was entered into the Atterbury Super ACE cruise program to determine stand statistics and net board foot volume. Volume was removed to account for hidden defect and breakage and in-unit wildlife trees.

   Digital ortho photos, Lidar data, and GPS data were used to map the boundaries for the sale, and ArcGIS Pro 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 form factor. 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 is primarily 34-35-year-old Douglas-fir for Units 1, 2, and 3. For Units 1 and 2 the average Douglas-fir to be removed is approximately 12 inches DBH, with an average height of 37 feet to a merchantable top. For Unit 3, the average Douglas-fir to be removed is approximately 11 inches DBH, with an average height of 40 feet to a merchantable top. The average volume per acre to be harvested (net) is approximately 6.5 MBF for Units 1 and 2, and 3.4 MBF for Unit 3.

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1 and 2	40%	15%	24.0 %	4.5%
3	40%	15%	30.4%	8.8%

9. **Total Volume (MBF) by Species and Grade:** (See attached volume report "Species, Sort Grade – Board Foot Volumes - Project").

Unit	Species	Gross Cruise Volume (MBF)	Cruised D & B	Cruised D & B (MBF)	R/W Removal Volume (MBF)	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1 & 2	Douglas-fir	678	1.7%	12	11	1%	7	670
3	Douglas-fir	353	1.6%	6	2	1%	3	346
Total		**1,031**	**1.7%**	**18**	**13**	**1%**	**10**	**1016**

Unit	Species	Avg. DBH	Tot. Net Vol.	2-Saw	3-Saw	4-Saw
1 & 2	Douglas-fir	12	Grade %	0%	59%	41%
			670	-	395	275
3	Douglas-fir	11	Grade %	0%	44%	56%
			346	-	152	194
Total	Total	12	1016	-	547	469

Attachments: -Cruise Design
-Cruise Maps
-Statistics
-Species, Sort, Grade – Board Foot Volume
-Stand Table Summary
-Log Stock Table – MBF

Prepared by: Isabelle Doan Date: 6/4/2025

Unit Forester: Cody Valencia Date: 6/4/25

Cody Valencia

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: **Millers Woods Thin** **Area** **1, 2 and 3**

Harvest Type: PC
Approx. Cruise Acres: 166 **Estimated CV%** 40 Net BF /Acre **SE% Objective** 15 Net BF /Acre

Planned Sale Volume: 1,188 MBF **Estimated Sale Area Value/Acre:** $ 2100

A. Cruise Goals: (a) Grade minimum 100 conifer and 0 hardwood trees: (b) Sample ___ cruise plots (22 grade: 22 count); (c) Other goals _X_ Determine log grades for sale value; _X_ 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 20 Full point
   Cruise Line Direction(s) 90/270
   Cruise Line Spacing 6/400 (chains) (feet)
   Cruise Plot Spacing 6/400 (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 outside bark for conifer is 6", 8" for hardwoods or 40 % of dob at 16' form point. Generally, use 7" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.

4. **Form Factors:** Measure or estimate a 16' form factor for every conifer tree measured/graded. 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. log segment. Do not use “double dash” (--) feature on the data recorder except for the top segment of the tree.

6. **Species, Sort, and Grade Codes:** A. Species: Record as DF (Douglas-fir); WH (Western hemlock); SS (Sitka Spruce); RC (Western red cedar); NF (Noble fir); SF (Silver fir); RA (Red alder); BM (Bigleaf maple). For “leave trees” in partial cuts, or for marked “wildlife trees,” add an “L” to the species code (such as DFL, 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; K = Camp Run; 0 = Cull ;
   Hardwoods: K = Camprun; #1 Sawmill = 12”+ scaling diameter; #2 Sawmill = 10” and 11”; #3 Sawmill = 8” and 9”; #4 Sawmill = 6” and 7”

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 points with red flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie red flagging above eye level near plot center and another red flagging around a sturdy wooden stake marking plot center. On red flagging, write the plot identification number. On “measure/grade” plots write the tree number and/or tree diameter on all measured trees (clockwise from the line direction) in yellow paint. Mark leave trees with an L for leave.
   ITS and 100% Cruises: Mark cruise “strips” with various colored flagging (not pink). Mark trees measured and graded with yellow paint.

9. **Cruising Equipment:** Relaskop, Rangefinder, Logger’s Tape (with dbh on back), Compass, Cruise Cards or Data Recorder, Cruise Design, Cruise Map, Red Flagging, Yellow Paint.

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: _Isabelle Doan_

Revised August, 2002

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WEST OREGON DISTRICT

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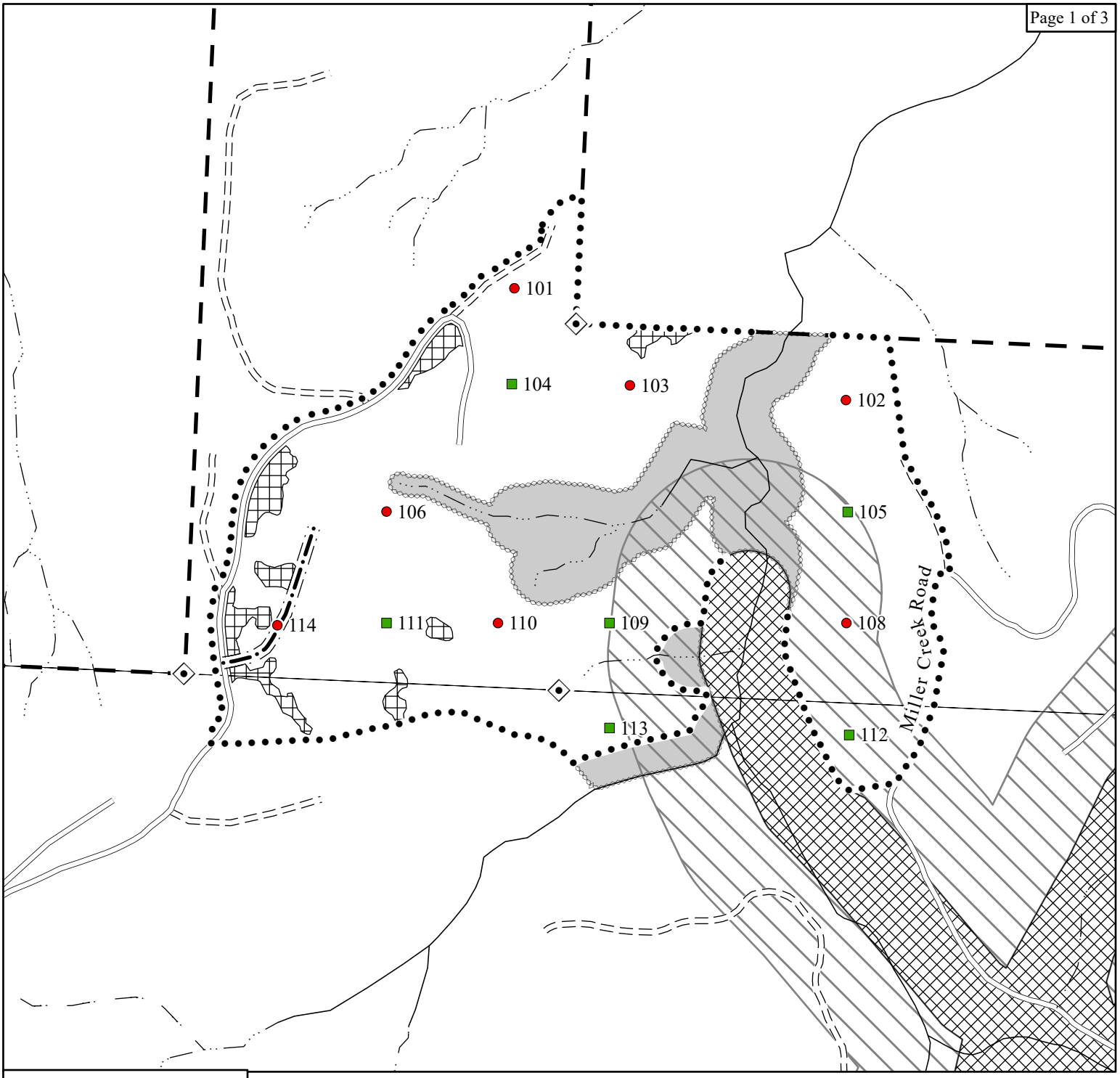
Cruise Design by: _Isabelle Doan_



Legend

- Ownership
- Surfaced Road
- Unsurfaced Road
- New Construction
- Count
- Measure
- Stream Buffer
- Type F Stream
- Type N Stream
- Non-Habitat Buffer
- Occupied Habitat
- Thinning Not Required

CRUISE MAP

OF TIMBER SALE CONTRACT NO. WO-341-2026-W001171-01
MILLERS WOODS THIN
PORTIONS OF SECTIONS 18 & 19, T11S, R08W;
SECTION 24, T11S, R09W
LINCOLN COUNTY, OREGON

UNIT 1
BAF: 20
Line Spacing: 6x6 Chains
Line Bearing: 90/270

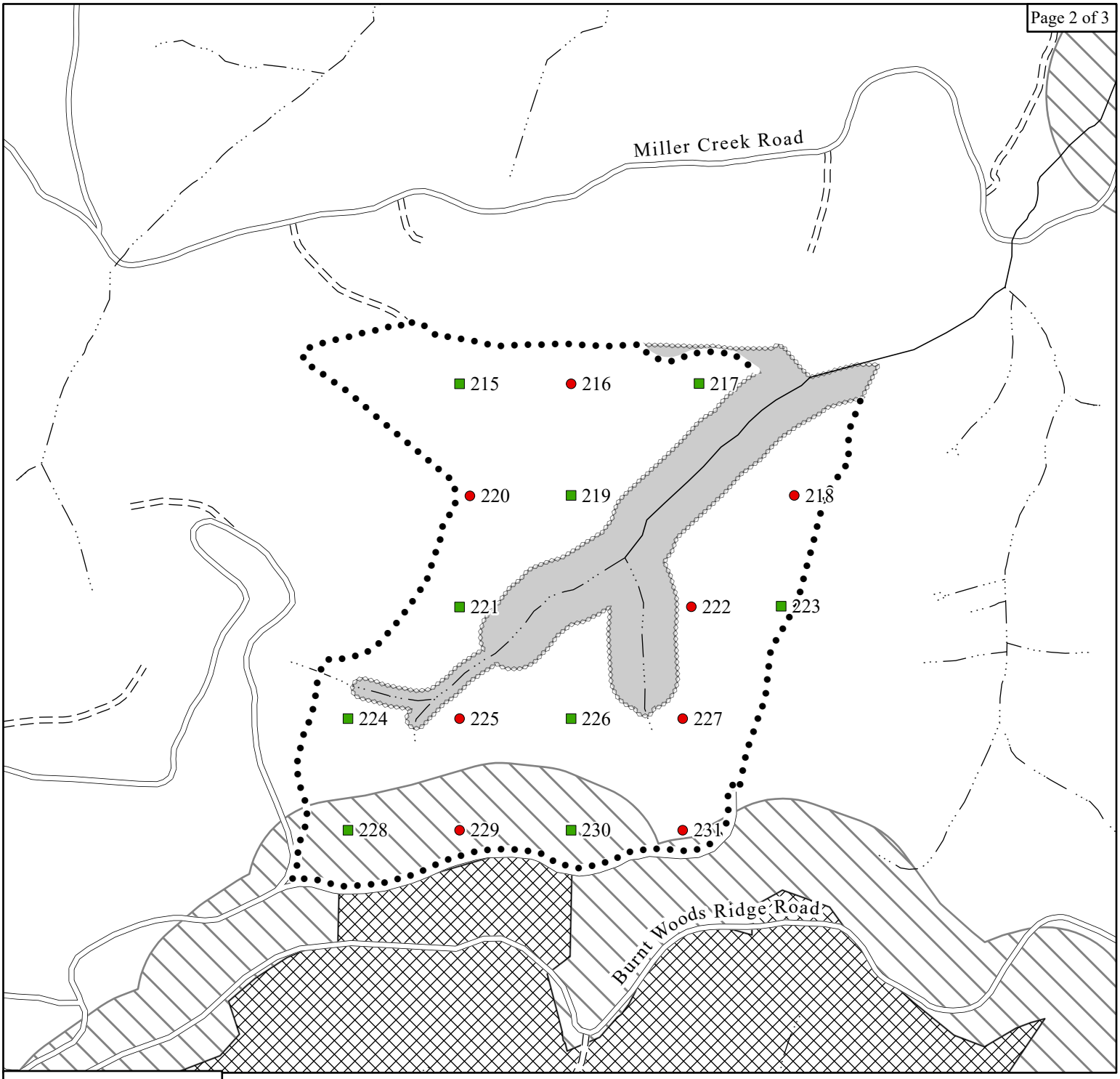
UNIT	GROSS ACRES	NET ACRES
1 (PC)	79	58
2 (PC)	67	53
3 (PC)	62	54
TOTAL	208	165

1:6,000

0 500 1,000 2,000 Feet

N

05/19/2025



Legend

- Surfaced Road
- Unsurfaced Road
- U2Plots_label_Clip
- PlotType
  - Count
  - Measure
- Stream Buffer
- Type F Stream
- Type N Stream
- Non-Habitat Buffer
- Occupied Habitat

CRUISE MAP

OF TIMBER SALE CONTRACT NO. WO-341-2026-W001171-01
MILLERS WOODS THIN
PORTIONS OF SECTIONS 18 & 19, T11S, R08W;
SECTION 24, T11S, R09W
LINCOLN COUNTY, OREGON

UNIT 2
BAF: 20
Line Spacing: 6x6 Chains
Line Bearing: 90/270

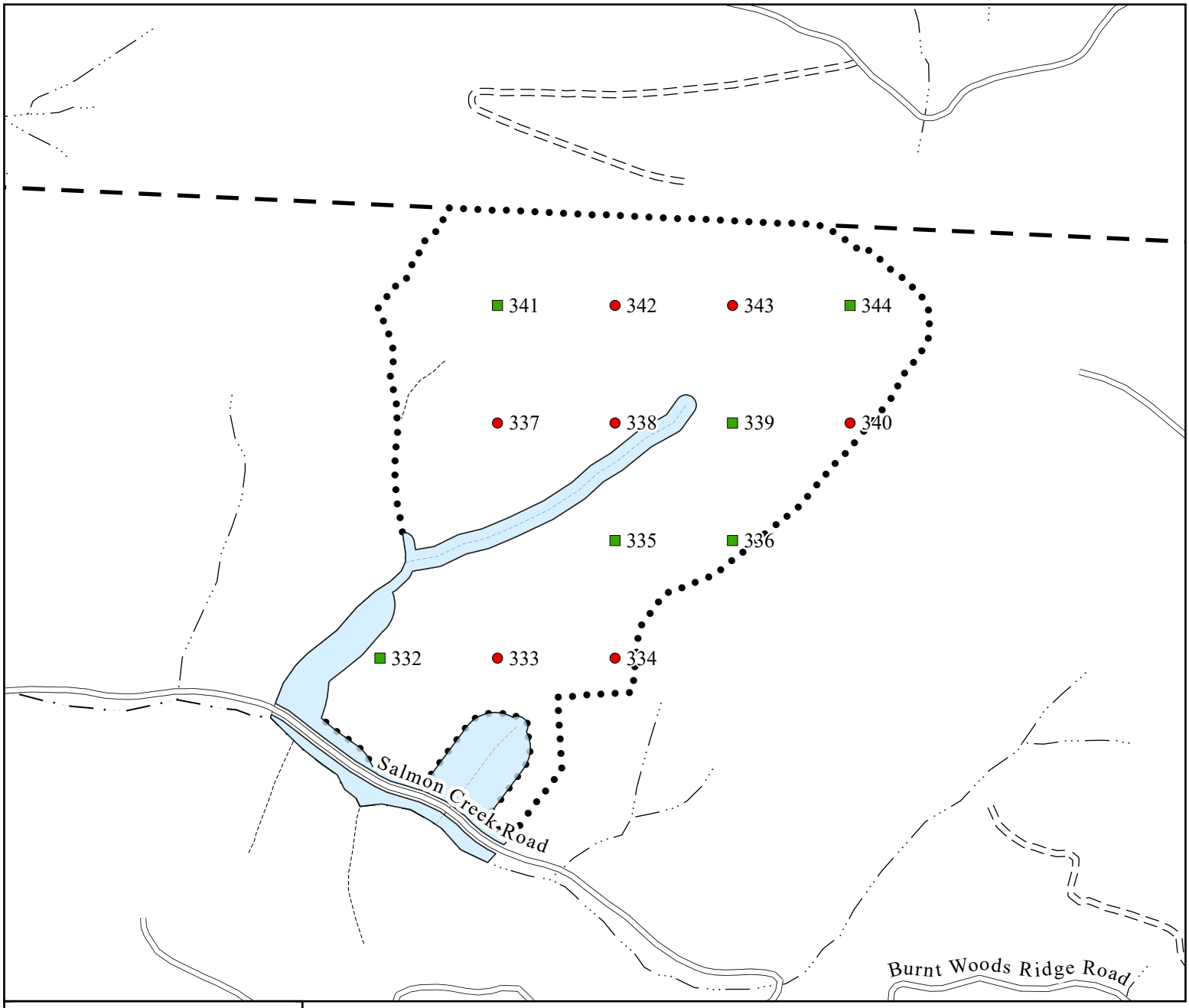
UNIT	GROSS ACRES	NET ACRES
1 (PC)	79	58
2 (PC)	67	53
3 (PC)	62	54
TOTAL	208	165

1:6,000

0 500 1,000 2,000 Feet

N

05/19/2025



Legend

- Timber Sale Boundary
- Ownership
- Count
- Measure
- Surfaced Road
- Unsurfaced Road
- Stream Buffers
- Type F Stream
- Type N Stream
- Unknown Stream

MLLERS WOODS THIN CRUISE MAP

OF TIMBER SALE CONTRACT NO. WO-341-2026-W001171-01
MILLERS WOODS THIN
PORTIONS OF SECTION 24; T11S, R9W
LINCOLN COUNTY, OREGON

Unit 3
BAF: 20
Line Spacing: 6x6 Chains
Line Bearing: 90/270

Scale
1:6,000

UNIT	GROSS ACRES	NET ACRES
1 (PC)	78	59
2 (PC)	67	53
3 (PC)	62	54
TOTAL	205	164

0 450 900 1,800 Feet

N

12/11/24

TC PSTATS

PROJECT STATISTICS

PROJECT MWT

DATE 6/11/2025

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09	24	U1&2	01PC	111.00	30	278	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	30	278	9.3		
CRUISE	15	133	8.9	23,639	.6
DBH COUNT					
REFOREST					
COUNT	15	145	9.7		
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF-L	92	133.8	13.1	54	34.6	125.3	12,958	12,700	3,912	3,912
DF-T	41	79.2	11.8	50	17.5	60.0	6,103	5,999	1,794	1,794
TOTAL	*133*	*213.0*	*12.6*	*53*	*52.1*	*185.3*	*19,061*	*18,699*	*5,706*	*5,706*

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

DF-L	54.3	5.7	107	113	120			
DF-T	45.8	7.1	82	88	95			
TOTAL	*53.9*	*4.7*	*101*	*106*	*110*	*116*	*29*	*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

DF-L	48.8	5.1	33	34	36			
DF-T	45.6	7.1	25	27	28			
TOTAL	*49.6*	*4.3*	*31*	*32*	*33*	*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

DF-L	16.6	3.1	130	134	138			
DF-T	56.1	10.4	71	79	87			
TOTAL	*25.3*	*4.7*	*203*	*213*	*223*	*26*	*7*	*3*

CL 68.1 COEFF **BASAL AREA/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15

DF-L	13.2	2.5	122	125	128			
DF-T	58.7	10.9	53	60	67			
TOTAL	*21.9*	*4.1*	*178*	*185*	*193*	*20*	*5*	*2*

CL 68.1 COEFF **NET BF/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15

DF-L	15.8	2.9	12,327	12,700	13,073			
DF-T	61.7	11.5	5,311	5,999	6,686			
TOTAL	*24.0*	*4.5*	*17,866*	*18,699*	*19,531*	*24*	*6*	*3*

CL 68.1 COEFF **NET CUFT FT/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15

DF-L	14.6	2.7	3,806	3,912	4,018			
DF-T	60.5	11.2	1,592	1,794	1,995			
TOTAL	*22.7*	*4.2*	*5,465*	*5,706*	*5,947*	*21*	*5*	*2*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: MWT

Date 6/11/2025

Time 9:01:48AM

T11S R09W S24 T01PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	09W	24	U1&2	01PC	111.00	30	133	1	W

T11S R09W S24 T01PC

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	L	DO	2M	3	1.6	468	460	51			100					100	39	12	206	1.35	2.2
DF	L	DO	3M	68	2.5	8,778	8,560	950		97	3			2	5	93	38	8	95	0.73	89.6
DF	L	DO	4M	29	.9	3,712	3,680	409	80	20			27	13	9	51	26	5	28	0.37	130.3
DF L Totals				68	2.0	12,958	12,700	1,410	23	71	6		8	5	6	81	31	7	57	0.57	222.2
DF	T	DO	3M	59	2.8	3,678	3,573	397		100					13	87	38	8	84	0.67	42.6
DF	T	DO	4M	41		2,426	2,426	269	63	37			15	20	9	55	27	5	32	0.34	76.8
DF T Totals				32	1.7	6,103	5,999	666	25	75			6	8	12	74	31	6	50	0.48	119.4
Type Totals					1.9	19,061	18,699	2,076	24	72	4		7	6	8	79	31	6	55	0.54	341.6

TC TSTNDSUM

Stand Table Summary

Project MWT

T11S R09W S24 T01PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	24	U1&2	01PC	111.00	30	133

T11S R09W S24 T01PC

Date: 06/11/202

Time: 9:01:49AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	9	3	87	64	9.251	4.09	9.25	9.7	36.7		89	339		99	38
DF	L	10	2	86	70	4.996	2.72	5.00	14.0	40.0		70	200		78	22
DF	L	11	13	86	64	26.836	17.71	30.96	14.0	40.0		433	1,239		481	137
DF	L	12	14	87	75	24.284	19.07	41.63	13.1	42.1		546	1,752		606	194
DF	L	13	11	87	77	16.258	14.99	29.56	15.1	47.5		446	1,404		495	156
DF	L	14	15	87	79	19.116	20.43	38.23	17.2	54.3		656	2,077		728	231
DF	L	15	14	87	86	15.542	19.07	31.08	21.1	71.4		657	2,220		729	246
DF	L	16	7	88	84	6.830	9.54	13.66	23.6	80.0		322	1,093		357	121
DF	L	17	8	88	94	6.914	10.90	13.83	29.3	100.6		404	1,391		449	154
DF	L	18	4	89	103	3.084	5.45	6.94	32.7	110.0		227	763		252	85
DF	L	19	1	90	111	.692	1.36	2.08	29.0	106.7		60	221		67	25
DF		Totals	92	87	76	133.800	125.33	222.22	17.6	57.2		3,912	12,700		4,343	1,410
DF	T	8	1	85	74	4.192	1.46	4.19	8.0	30.0		34	126		37	14
DF	T	9	4	86	76	13.250	5.85	13.25	10.8	37.5		142	497		158	55
DF	T	10	3	86	73	8.049	4.39	8.05	14.3	46.7		115	376		128	42
DF	T	11	6	86	70	13.305	8.78	17.74	13.1	46.3		233	820		258	91
DF	T	12	7	87	74	13.043	10.24	24.22	12.2	40.0		294	969		327	108
DF	T	13	5	88	78	7.938	7.32	15.88	14.4	46.0		229	730		254	81
DF	T	14	10	88	81	13.689	14.63	24.64	19.2	63.9		474	1,574		526	175
DF	T	15	4	88	94	4.770	5.85	9.54	22.7	77.5		217	739		241	82
DF	T	17	1	85	99	.928	1.46	1.86	30.0	90.0		56	167		62	19
DF		Totals	41	87	77	79.165	60.00	119.37	15.0	50.3		1,794	5,999		1,991	666
Totals			133	87	76	212.966	185.33	341.58	16.7	54.7		5706	18,699		6,334	2,076

TC TLOGSTVB

Log Stock Table - MBF

Project: MWT

T11S R09W S24 T01PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	24	U1&2	01PC	111.00	30	133

T11S R09W S24 T01PC

Page 1
Date 6/11/2025
Time 9:01:47AM

Spp	ST	Sort	Grade	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+
DF	L	DO	2M	38	18		18	.9						18						
DF	L	DO	2M	40	34	2.5	33	1.6						33						
DF	L	DO	3M	30	23		23	1.1			23									
DF	L	DO	3M	32	40	8.7	36	1.8				36								
DF	L	DO	3M	34	12		12	.6			12									
DF	L	DO	3M	36	53	3.1	51	2.5			12	25	15							
DF	L	DO	3M	38	124		124	6.0			25	52	47							
DF	L	DO	3M	40	723	2.6	704	33.9			128	363	181	33						
DF	L	DO	4M	12	16		16	.8		13	3									
DF	L	DO	4M	14	15		15	.7		13	3									
DF	L	DO	4M	16	22		22	1.1		18	4									
DF	L	DO	4M	18	37		37	1.8		32	5									
DF	L	DO	4M	20	18		18	.9		14	4									
DF	L	DO	4M	24	22	15.9	19	.9		19										
DF	L	DO	4M	26	17		17	.8		17										
DF	L	DO	4M	28	15		15	.7		15										
DF	L	DO	4M	30	4		4	.2		4										
DF	L	DO	4M	32	23		23	1.1		23										
DF	L	DO	4M	34	14		14	.7		14										
DF	L	DO	4M	36	29		29	1.4		8	10	11								
DF	L	DO	4M	38	35		35	1.7		21	14									
DF	L	DO	4M	40	145		145	7.0		118	14	13								
DF	T	DO	3M	32	27	7.7	25	1.2			12	12								
DF	T	DO	3M	34	27		27	1.3			27									
DF	T	DO	3M	36	54		54	2.6			12	41								
DF	T	DO	3M	40	300	3.2	291	14.0			78	179	33							
DF	T	DO	4M	12	8		8	.4		8										
DF	T	DO	4M	14	12		12	.6		12										
DF	T	DO	4M	16	11		11	.5		11										
DF	T	DO	4M	18	10		10	.5		10										
DF	T	DO	4M	24	9		9	.4		9										
DF	T	DO	4M	26	10		10	.5		10										
DF	T	DO	4M	28	13		13	.6		13										
DF	T	DO	4M	30	23		23	1.1			23									
DF	T	DO	4M	32	25		25	1.2		25										
DF	T	DO	4M	36	34		34	1.6		34										
DF	T	DO	4M	40	115		115	5.6		39	77									
DF			Totals		2,116	1.9	2,076	100.0		497	486	733	275	84						
Total All Species					2,116	1.9	2,076	100.0		497	486	733	275	84						

TC PSTATS

PROJECT STATISTICS

PROJECT MWT

DATE 6/11/2025

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09	24	UNIT3	PC	54.00	13	131	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	13	131	10.1		
CRUISE	6	59	9.8	14,189	.4
DBH COUNT					
REFOREST					
COUNT	7	72	10.3		
BLANKS					
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DF-L	38	130.3	13.0	52	33.3	120.0	11,409	11,262	3,551	3,551
DF-T	21	132.4	10.6	40	25.0	81.5	6,528	6,425	2,093	2,093
TOTAL	*59*	*262.8*	*11.9*	*46*	*58.5*	*201.5*	*17,937*	*17,687*	*5,644*	*5,644*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF-L	40.9	6.6	89	96	102			
DF-T	48.0	10.7	50	56	62			
TOTAL	*49.1*	*6.4*	*76*	*82*	*87*	*96*	*24*	*11*

CL 68.1 SD: 1.0

SAMPLE TREES - CF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF-L	39.0	6.3	29	30	32			
DF-T	49.0	11.0	17	19	21			
TOTAL	*46.9*	*6.1*	*25*	*26*	*28*	*88*	*22*	*10*

CL 68.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	22.6	6.5	122	130	139			
DF-T	62.6	18.0	109	132	156			
TOTAL	*39.6*	*11.4*	*233*	*263*	*293*	*68*	*17*	*8*

CL 68.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	16.7	4.8	114	120	126			
DF-T	59.6	17.2	68	82	96			
TOTAL	*30.4*	*8.8*	*184*	*202*	*219*	*40*	*10*	*4*

CL 68.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	17.0	4.9	10,710	11,262	11,814			
DF-T	61.0	17.6	5,295	6,425	7,554			
TOTAL	*30.4*	*8.8*	*16,138*	*17,687*	*19,236*	*40*	*10*	*4*

CL 68.1 SD: 1.0

NET CUFT FT/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	16.6	4.8	3,381	3,551	3,721			
DF-T	60.4	17.4	1,729	2,093	2,457			
TOTAL	*29.8*	*8.6*	*5,159*	*5,644*	*6,129*	*38*	*10*	*4*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: MWT

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Date 6/11/2025
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T11S R09W S24 TPC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	09W	24	UNIT3	PC	54.00	13	59	1	W

T11S R09W S24 TPC

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	L	DO	3M	71	1.8	8,199	8,051	435		100				11	6	83	37	8	83	0.70	97.5
DF	L	DO	4M	29		3,211	3,211	173	78	22			47	19	10	24	22	5	25	0.35	129.1
DF	**L**	**Totals**		64	1.3	11,409	11,262	608	22	78			13	14	7	66	29	6	50	0.54	226.6
DF	T	DO	3M	44	1.1	2,887	2,856	154	8	92				17	23	60	36	7	62	0.58	46.0
DF	T	DO	4M	56	2.0	3,640	3,569	193	100				11	42	6	42	28	5	29	0.32	122.3
DF	**T**	**Totals**		36	1.6	6,528	6,425	347	59	41			6	31	13	50	30	6	38	0.41	168.4
Type Totals					1.4	17,937	17,687	955	36	64			11	20	9	60	30	6	45	0.48	395.0

TC TSTNDSUM

Stand Table Summary

Project **MWT**

T11S R09W S24 TPC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	24	UNIT3	PC	54.00	13	59

T11S R09W S24 TPC

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Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	10	4	86	68	23.160	12.63	34.74	9.5	31.7		330	1,100		178	59
DF	L	11	3	89	87	14.355	9.47	28.71	11.2	43.3		321	1,244		173	67
DF	L	12	5	85	61	20.104	15.79	24.12	15.7	46.7		378	1,126		204	61
DF	L	13	6	86	71	20.556	18.95	37.69	14.3	43.6		538	1,644		290	89
DF	L	14	8	88	75	23.632	25.26	44.31	17.6	53.3		780	2,363		421	128
DF	L	15	7	87	76	18.013	22.11	36.03	18.9	57.9		679	2,084		367	113
DF	L	16	4	85	86	9.047	12.63	18.09	24.0	78.8		434	1,425		234	77
DF	L	20	1	86	69	1.447	3.16	2.89	31.5	95.0		91	275		49	15
DF		Totals	38	87	73	130.314	120.00	226.58	15.7	49.7		3,551	11,262		1,918	608
DF	T	8	3	86	57	33.370	11.65	33.37	7.3	30.0		245	1,001		132	54
DF	T	9	1	87	52	8.789	3.88	8.79	8.0	30.0		70	264		38	14
DF	T	10	4	84	65	28.476	15.53	28.48	13.2	37.5		377	1,068		204	58
DF	T	11	3	83	67	17.650	11.65	23.53	13.0	37.5		306	883		165	48
DF	T	12	5	84	64	24.719	19.41	39.55	12.4	36.2		489	1,434		264	77
DF	T	13	3	84	82	12.637	11.65	21.06	17.4	54.0		366	1,137		198	61
DF	T	14	1	84	75	3.632	3.88	7.26	15.0	40.0		109	291		59	16
DF	T	15	1	81	88	3.164	3.88	6.33	20.5	55.0		130	348		70	19
DF		Totals	21	84	65	132.437	81.54	168.37	12.4	38.2		2,093	6,425		1,130	347
Totals			59	86	69	262.751	201.54	394.96	14.3	44.8		5644	17,687		3,048	955

TC TLOGSTVB

Log Stock Table - MBF

Project: MWT

T11S R09W S24 TPC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	24	UNIT3	PC	54.00	13	59

T11S R09W S24 TPC

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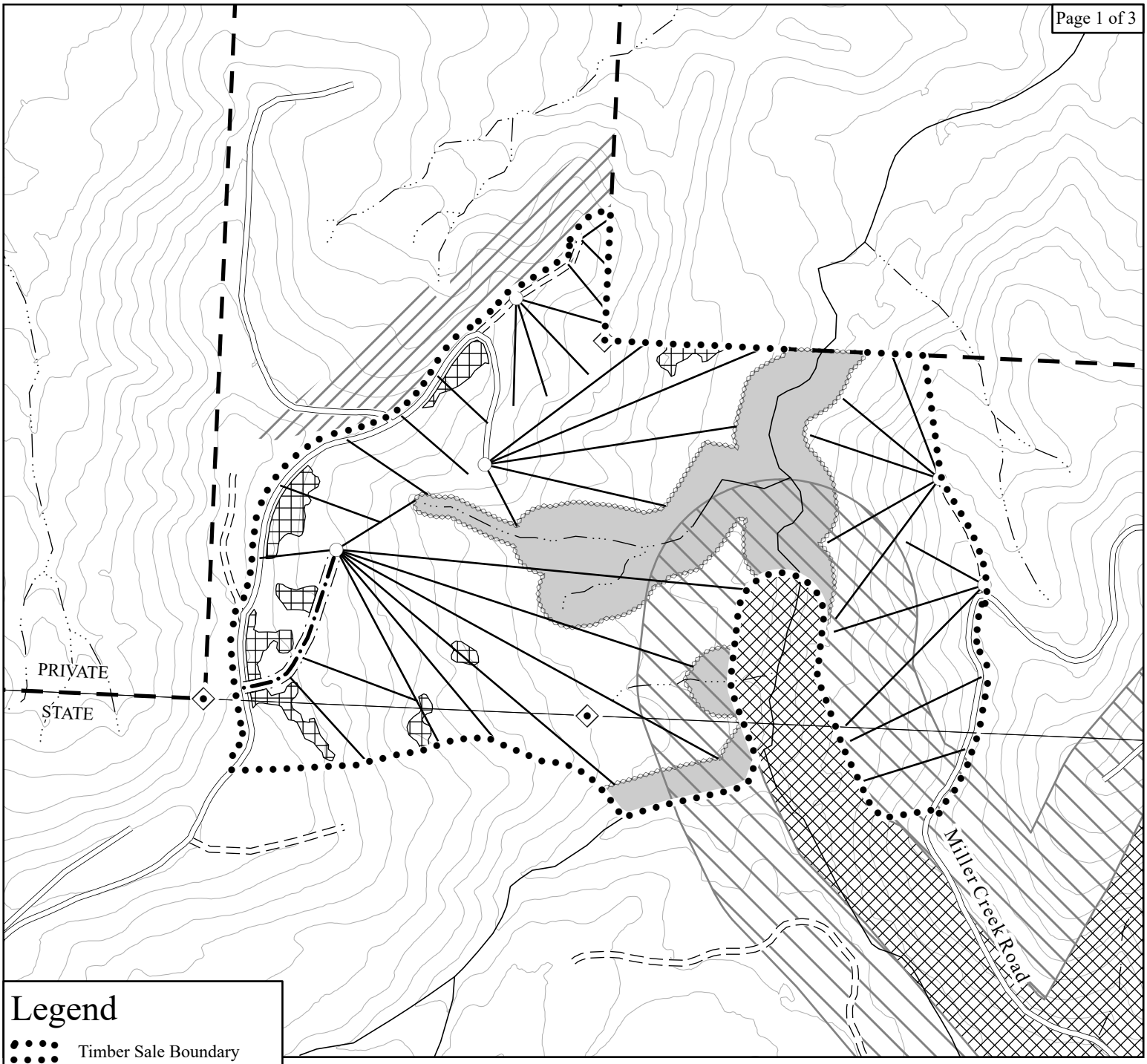
Spp	ST	Sort	Grade	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	L	DO	3M	28	16	20.0	13	1.3			13									
DF	L	DO	3M	30	37		37	3.9			13	24								
DF	L	DO	3M	32	13		13	1.4				13								
DF	L	DO	3M	34	13		13	1.4				13								
DF	L	DO	3M	36	36		36	3.8			11	25								
DF	L	DO	3M	40	328	1.5	323	33.8			60	197	66							
DF	L	DO	4M	12	5		5	.6		3		2								
DF	L	DO	4M	14	11		11	1.1		9	2									
DF	L	DO	4M	16	17		17	1.8		17										
DF	L	DO	4M	18	22		22	2.3		22										
DF	L	DO	4M	20	26		26	2.7		26										
DF	L	DO	4M	24	8		8	.8		8										
DF	L	DO	4M	26	4		4	.4		4										
DF	L	DO	4M	30	21		21	2.2			21									
DF	L	DO	4M	34	17		17	1.8		17										
DF	L	DO	4M	40	42		42	4.4		29	13									
DF	T	DO	3M	30	27		27	2.8			27									
DF	T	DO	3M	34	35		35	3.7			35									
DF	T	DO	3M	36	13		13	1.3		13										
DF	T	DO	3M	40	81	2.1	80	8.3			46	34								
DF	T	DO	4M	12	5		5	.5		5										
DF	T	DO	4M	14	5		5	.5		5										
DF	T	DO	4M	16	5		5	.6		5										
DF	T	DO	4M	18	5		5	.6		5										
DF	T	DO	4M	24	5		5	.5		5										
DF	T	DO	4M	26	25		25	2.6		25										
DF	T	DO	4M	28	32		32	3.4		32										
DF	T	DO	4M	30	18		18	1.9		18										
DF	T	DO	4M	34	15	25.0	12	1.2		12										
DF	T	DO	4M	38	26		26	2.7		26										
DF	T	DO	4M	40	54		54	5.7		54										
DF			Totals		969	1.4	955	100.0		341	240	309	66							
Total All Species					969	1.4	955	100.0		341	240	309	66							



Legend

- Timber Sale Boundary
- Ownership
- Surfaced Road
- Unsurfaced Road
- New Construction
- Stream Buffer
- Thinning Not Required

Marbled Murrelet Management Area

- Occupied Habitat
- Non-Habitat Buffer
- Type F Stream
- Type N Stream
- Cable Corridor
- Landing
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2026-W001171-01
MILLERS WOODS THIN
PORTIONS OF SECTIONS 18 & 19, T11S, R08W, W.M.,
SECTION 24, T11S, R09W, W.M.
LINCOLN COUNTY, OREGON

UNIT	TRACTOR ACRES	CABLE ACRES
1 (PC)	1	57
2 (PC)	13	40
3 (PC)	0	54
TOTAL	14	151

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.

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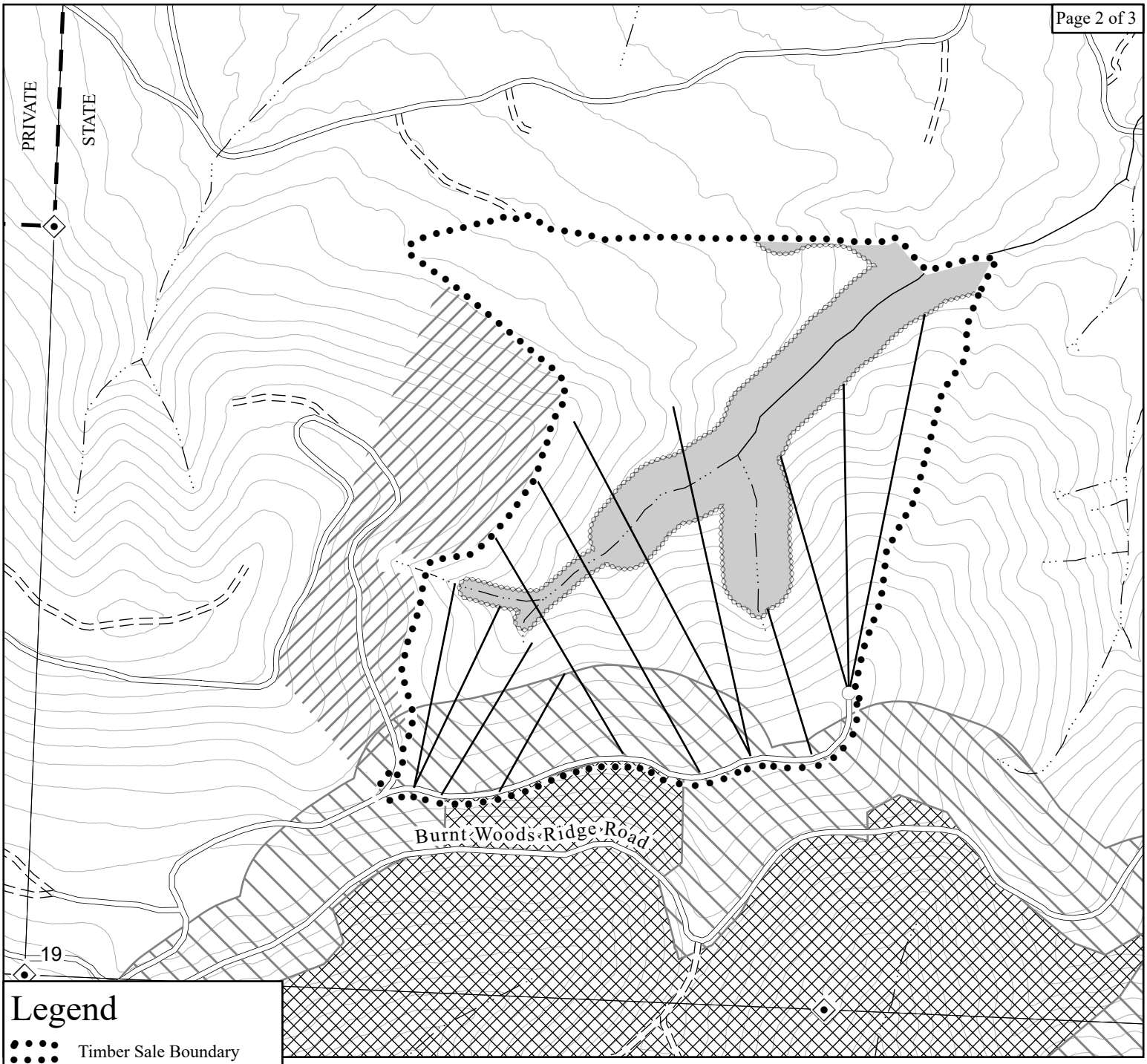
06/04/2025



Legend

- Timber Sale Boundary
- Ownership
- Surfaced Road
- Unsurfaced Road
- Stream Buffer

Marbled Murrelet Management Area

- Occupied Habitat
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LOGGING PLAN

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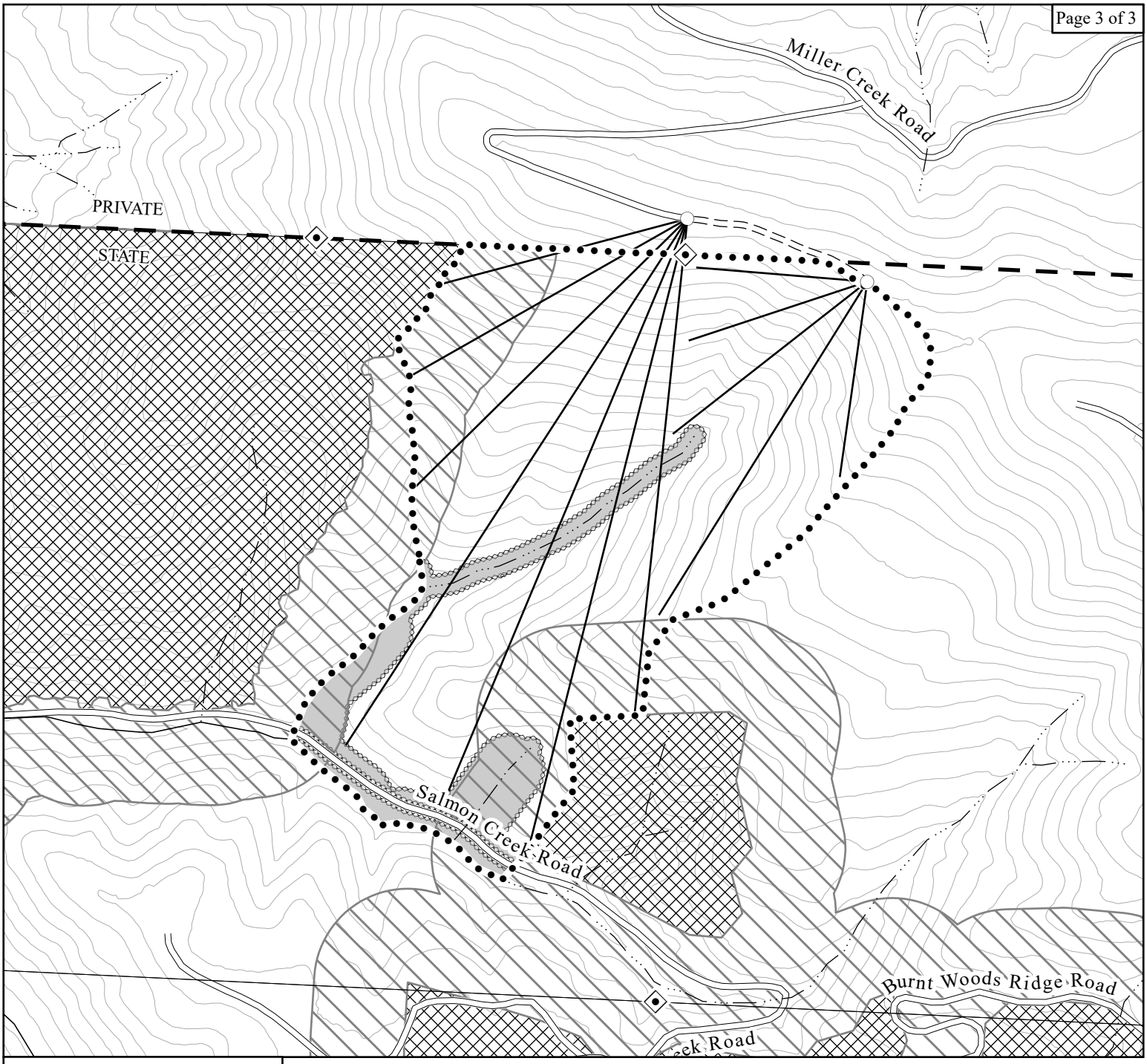

Legend

- Timber Sale Boundary
- Ownership
- Stream Buffer

Marbled Murrelet Management Area

- Occupied Habitat
- Non-Habitat Buffer
- Surfaced Road
- Unsurfaced Road
- Type F Stream
- Type N Stream
- Cable Corridor
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- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2026-W001171-01
MILLERS WOODS THIN
PORTIONS OF SECTIONS 18 & 19, T11S, R08W, W.M.,
SECTION 24, T11S, R09W, W.M.
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07/28/2025