Timber Sale Appraisal
Thin Bear

Sale WO-341-2025-W01092-01

District: West Oregon

Date: October 01, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$142,325.52	$0.00	$142,325.52
		Project Work:	($34,637.00)
		Advertised Value:	$107,688.52

Timber Sale Appraisal
Thin Bear
Sale WO-341-2025-W01092-01

District: West Oregon **Date: October 01, 2024**

Timber Description

Location:

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	10	0	97

Volume by Grade	3S & 4S 6"-11"	Total
Douglas - Fir	694	694
Total	694	694

Comments: Pond Values Used: Local Pond Values, August, 2024

Western Hemlock and Other Conifers Stumpage Price = Pond value minus logging costs: $55.08/MBF = $525/MBF - $469.92/MBF

Western redcedar and Other Cedars Stumpage Price = Pond value minus logging costs: $580.08/MBF = $1200/MBF - ($469.92/MBF + $150/MBF(Extra Haul Cost))

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 & Risk to be added):
Intermediate Support/Tail Trees: 6 supports @ $100/support = $600
TOTAL Other Costs (with Profit & Risk to be added) = $600

Other Costs (No Profit & Risk added):
Equipment Cleaning (Invasive Species): $2,500
Water Bar and Block Dirt Roads: 37.1 Stations @ $16.95/Station = $629
Landing Slash Piling: 4 Landings @ $100/Landing = $400
Landing Slash Piling and Firewood Sorting: 8 Landings @ $180/Landing = $1,440

TOTAL Other Costs (No Profit & Risk added) = $4,969

ROAD MAINTENANCE
Move-in: (Grader) $950
Final Road Maintenance: $6,934
TOTAL Road Maintenance: $7,884/694 MBF = $11.36/MBF

Timber Sale Appraisal
Thin Bear

Sale WO-341-2025-W01092-01

"STEWARDSHIP IN FORESTRY"

District: West Oregon **Date: October 01, 2024**

Logging Conditions

Combination#: 1 Douglas - Fir 61.00%

Logging System:	Cable: Small Tower <=40	**Process:**	Stroke Delimber
yarding distance:	Medium (800 ft)	**downhill yarding:**	No
tree size:	Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF		
loads / day:	7	**bd. ft / load:**	3900
cost / mbf:	$272.21		
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Small)		

Combination#: 2 Douglas - Fir 39.00%

Logging System:	Wheel Skidder	**Process:**	Stroke Delimber
yarding distance:	Short (400 ft)	**downhill yarding:**	No
tree size:	Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF		
loads / day:	15	**bd. ft / load:**	3900
cost / mbf:	$170.95		
machines:	Stroke Delimber (B)		

Timber Sale Appraisal
Thin Bear
Sale WO-341-2025-W01092-01

District: West Oregon **Date: October 01, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$34,637.00	**Other Costs (P/R):**	$600.00
Slash Disposal:	$0.00	**Other Costs:**	$4,969.00

Miles of Road

Road Maintenance: $11.36

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	2.0	4.0

Timber Sale Appraisal
Thin Bear

Sale WO-341-2025-W01092-01

District: West Oregon

Date: October 01, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$232.72	$11.70	$12.65	$160.94	$0.86	$41.89	$0.00	$2.00	$7.16	$469.92

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$675.00	$205.08	$0.00

Timber Sale Appraisal
Thin Bear
Sale WO-341-2025-W01092-01

District: West Oregon **Date: October 01, 2024**

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	694	$205.08	$142,325.52

Gross Timber Sale Value

Recovery: $142,325.52

Prepared By: Steven Irving **Phone:** 541-929-9112

SUMMARY OF ALL PROJECT COSTS

Sale Name: Thin Bear Date: June 2024
Time: 10:01

Project #1 - Construction

Road Segment	Length	Cost
A to B	5.2 sta	$3,452
C to D	1.6 sta	$910
TOTALS	6.8 sta	$4,362

Project #2 - Improvements

Road Segment	Length	Cost
1 to 2	243.3 sta	$9,357
3 to 4	3.5 sta	$3,255
5 to 6	2.4 sta	$1,020
7 to 8	9.2 sta	$2,164
9 to 10	5.3 sta	$2,498
11 to 12	1.8 sta	$73
13 to 14	41.4 sta	$2,067
TOTALS	306.9 sta	$20,434

Project #3 - Brushing	Length	Cost
Brushing	2.9 mi	$2,964
Sod and Brush Removal	2.9 mi	$2,577
TOTAL		$5,541

Project #4 - Move in	Cost
Excavator, C315 or equiv.	$950
Dozer, D-6 or equiv.	$950
Grader, Cat 14-G or equiv.	$950
Vibratory roller	$950
Road Brusher	$500
TOTAL	$4,300

GRAND TOTAL **$34,637**

Compiled by: Steven Irving Date 06/11/2024

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 1 LENGTH 5.2 sta
ROAD A to B

CLEARING AND GRUBBING					Rate			
Road	0.24	ac		@	$1,470.00	/acre =	$353	
						TOTAL CLEARING AND GRUBBING =		$353
EXCAVATION					Rate			
Construct road	5.2	sta		@	$152.00	/sta =	$790	
Construct landing	1	ldg		@	$480.00	/ldg =	$480	
Shape subgrade (w/ grader)	5.2	sta		@	$22.69	/sta =	$118	
Compact subgrade (w/ roller)	5.2	sta		@	$17.50	/sta =	$91	
Shape landing (w/ grader)	0.5	sta		@	$22.69	/sta =	$11	
Compact landing (w/ roller)	0.5	sta		@	$17.50	/sta =	$9	
						TOTAL EXCAVATION =		$1,499
SURFACING			Size		Rate			
Transition rock	10	CY	Jaw-Run	@	$32.33	/CY =	$323	
Culvert bedding rock	10	CY	1½"-0"	@	$34.69	/CY =	$347	
						TOTAL ROCK COST =		$670
IMPROVEMENT					Rate			
Process Rock (w/ dozer)	0.5	sta		@	$22.69	/sta =	$11	
Compact Rock (w/ roller)	0.5	hrs		@	$17.50	/hr =	$9	
						TOTAL IMPROVEMENT =		$20
SPECIAL PROJECTS					Rate			
Culvert (18" x 40')	40	ft		@	$16.50	/ft =	$660	
Install culvert (sta. 0+00) (w/ excavator)	2.0	hrs		@	$125.00	/hr =	$250	
						TOTAL SPECIAL PROJECTS COST =		$910

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $3,452

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 1 LENGTH 1.6 sta
ROAD C to D

CLEARING AND GRUBBING				Rate			
Road	0.07	ac	@	$1,470.00	/acre =	$103	
				TOTAL CLEARING AND GRUBBING =			$103

EXCAVATION				Rate			
Construct road	1.6	sta	@	$152.00	/sta =	$243	
Construct landing	1	ldg	@	$480.00	/ldg =	$480	
Shape subgrade (w/ grader)	1.6	sta	@	$22.69	/sta =	$36	
Compact subgrade (w/ roller)	1.6	sta	@	$17.50	/sta =	$28	
Shape landing (w/ grader)	0.5	sta	@	$22.69	/sta =	$11	
Compact landing (w/ roller)	0.5	sta	@	$17.50	/sta =	$9	
					TOTAL EXCAVATION =		$807

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $910

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 243.3 sta
ROAD 1 to 2

EXCAVATION					Rate			
Cutslope rounding (Sta. 197+70 to 200+40)	2.7	sta		@	$54.00	/sta	=	$146
End-haul waste	20	CY		@	$4.90	/CY	=	$98
						TOTAL EXCAVATION =		$244
IMPROVEMENT					Rate			
Process rock (w/ grader)	19.0	sta		@	$22.69	/sta	=	$431
Process landing rock (w/ dozer)	0.5	sta		@	$22.69	/sta	=	$11
Compact rock (w/ roller)	19.5	sta		@	$17.50	/sta	=	$341
Re-establish ditch (w/ grader) (Sta. 195+50 to 201+15)	5.7	sta		@	$48.00	/sta	=	$274
						TOTAL IMPROVEMENT =		$1,057
SURFACING			Size		Rate			
Patch Rock (2" lift) (Sta. 89+60 to 95+00)	60	CY	3"-0"	@	$33.34	/CY	=	$2,000
Landing rock (Sta. 181+45)	30	CY	Jaw-Run	@	$32.33	/CY	=	$970
Junction rock (Sta. 89+60)	20	CY	1½"-0"	@	$34.69	/CY	=	$694
Spot rock (Sta. 0+00 to 243+30)	110	CY	1½"-0"	@	$34.69	/CY	=	$3,816
						TOTAL ROCK COST =		$7,480
SPECIAL PROJECTS					Rate			
Clean out culverts (inlets and outlets)	10	culverts		@	$25.00	ea	=	$250
Construct ditchout (sta. 190+70)	0.5	hrs		@	$125.00	/hr	=	$63
Hand fall trees	1.5	hrs		@	$50.00	/hr	=	$75
Deck trees and pull stumps (w/ excavator)	1.5	hrs		@	$125.00	/hr	=	$188
						TOTAL SPECIAL PROJECTS COST =		$576

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $9,357

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 3.5 sta
ROAD 3 to 4

IMPROVEMENT				Rate				
Re-open road (w/ grader)	3.5	sta	@	$41.00	/sta	=	$144	
Shape surface (w/ grader)	3.5	sta	@	$22.69	/sta	=	$79	
Compact surface (w/ roller)	3.5	sta	@	$17.50	/sta	=	$61	
Process rock (w/ grader)	3.0	sta	@	$22.69	/sta	=	$68	
Compact rock (w/ roller)	3.0	sta	@	$17.50	/sta	=	$53	
Re-open landing (w/ grader)	1.0	hr	@	$125.00	/hr	=	$125	
Shape landing (w/ grader)	1.0	sta	@	$22.69	/sta	=	$23	
Compact landing (w/ roller)	1.0	sta	@	$17.50	/sta	=	$18	
Process landing rock (w/ dozer)	1.0	sta	@	$22.69	/sta	=	$23	
Compact landing rock (w/ roller)	1.0	sta	@	$17.50	/sta	=	$18	
						TOTAL IMPROVEMENT =		$612

SURFACING			Size		Rate				
Landing rock (Sta. 1+10 and 3+50)	40	CY	Jaw-Run	@	$32.33	/CY	=	$1,293	
Spot rock	30	CY	3"-0"	@	$33.34	/CY	=	$1,000	
							TOTAL ROCK COST =		$2,293

SPECIAL PROJECTS				Rate				
Hand fall trees	2.0	hrs	@	$50.00	/hr	=	$100	
Deck trees and pull stumps (w/ excavator)	2.0	hrs	@	$125.00	/hr	=	$250	
						TOTAL SPECIAL PROJECTS COST =		$350

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $3,255

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 2.4 sta
ROAD 5 to 6

EXCAVATION			Rate				
Construct landing	1	ldg	@	$480.00	/ldg	=	$480
Construct fill (w/ excavator)	1.0	hr	@	$125.00	/hr	=	$125
Shape landing (w/ grader)	0.5	sta	@	$22.69	/sta	=	$11
Compact landing (w/ roller)	2.0	sta	@	$17.50	/sta	=	$35
					TOTAL EXCAVATION =		$651

IMPROVEMENT			Rate				
Re-align road (w/ dozer)	2.4	sta	@	$41.00	/sta	=	$98
Shape subgrade (w/ grader)	2.4	sta	@	$22.69	/sta	=	$54
Compact subgrade (w/ roller)	2.4	sta	@	$17.50	/sta	=	$42
					TOTAL IMPROVEMENT =		$194

SPECIAL PROJECTS			Rate				
Hand fall trees	1.0	hr	@	$50.00	/hr	=	$50
Deck trees and pull stumps (w/ excavator)	1.0	hr	@	$125.00	/hr	=	$125
					TOTAL SPECIAL PROJECTS COST =		$175

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $1,020

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 9.2 sta
ROAD 7 to 8

EXCAVATION					Rate			
Construct landing (Sta. 4+65 and 8+10)	2	ldg	@	$480.00	/ldg	=	$960	
Shape landing (w/ grader)	1.0	sta	@	$22.69	/sta	=	$23	
Compact landing (w/ roller)	1.0	sta	@	$17.50	/sta	=	$18	
						TOTAL EXCAVATION =		$1,001
IMPROVEMENT					Rate			
Re-open road (w/ grader) (Sta. 0+00 to 4+65)	4.7	sta	@	$16.95	/sta	=	$80	
Re-align road (w/ dozer) (Sta. 4+65 to 9+20)	4.5	sta	@	$41.00	/sta	=	$185	
Shape subgrade (w/ grader)	9.2	sta	@	$22.69	/sta	=	$209	
Compact subgrade (w/ roller)	9.2	sta	@	$17.50	/sta	=	$161	
Process rock (w/ dozer)	0.5	sta	@	$22.69	/sta	=	$11	
Compact rock (w/ roller)	0.5	sta	@	$17.50	/sta	=	$9	
						TOTAL IMPROVEMENT =		$655
SURFACING			Size		Rate			
Transition rock	10	CY	Jaw-Run	@	$33.34	/CY	=	$333
						TOTAL ROCK COST =		$333
SPECIAL PROJECTS					Rate			
Hand fall trees	1.0	hr		@	$50.00	/hr	=	$50
Deck trees and pull stumps (w/ excavator)	1.0	hr		@	$125.00	/hr	=	$125
						TOTAL SPECIAL PROJECTS COST =		$175

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $2,164

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 5.3 sta
ROAD 9 to 10

IMPROVEMENT			Rate			
Shape surface (w/ grader)	5.3 sta	@	$22.69	/sta	=	$120
Compact surface (w/ roller)	5.3 sta	@	$17.50	/sta	=	$93
Process rock (w/ grader)	3.0 sta	@	$22.69	/sta	=	$68
Compact rock (w/ roller)	3.0 sta	@	$17.50	/sta	=	$53
Shape landing (w/ grader)	0.5 sta	@	$22.69	/sta	=	$11
Compact landing (w/ roller)	0.5 sta	@	$17.50	/sta	=	$9
Process landing rock (w/ dozer)	0.5 sta	@	$22.69	/sta	=	$11
Compact landing rock (w/ roller)	0.5 sta	@	$17.50	/sta	=	$9

TOTAL IMPROVEMENT = $374

SURFACING		Size		Rate			
Spot rock	30 CY	1½"-0"	@	$34.69	/CY	=	$1,041
Landing rock	30 CY	Jaw-Run	@	$32.33	/CY	=	$970

TOTAL ROCK COST = $2,011

SPECIAL PROJECTS			Rate			
Hand fall trees	1.0 hr	@	$50	/hr	=	$50
Deck trees (w/ excavator)	0.5 hrs	@	$125	/hr	=	$63

TOTAL SPECIAL PROJECTS COST = $113

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $2,498

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 1.8 sta
ROAD 11 to 12

IMPROVEMENT			Rate			
Shape surface (w/ grader)	1.8 sta	@	$22.69	/sta	=	$41
Compact surface (w/ roller)	1.8 sta	@	$17.50	/sta	=	$32

TOTAL IMPROVEMENT = $73

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $73

SUMMARY OF CONSTRUCTION COST

SALE Thin Bear Project # 2 LENGTH 41.4 sta
ROAD 13 to 14

IMPROVEMENT				Rate			
Shape surface (w/ grader)	19.1 sta	@	$22.69	/sta	=	$433	
Compact surface (w/ roller)	19.1 sta	@	$17.50	/sta	=	$334	
Re-open road (w/ dozer) (Sta. 29+80 to 41+40)	11.6 sta	@	$41.00	/sta	=	$476	
Re-open landing (w/ dozer)	0.5 sta	@	$41.00	/sta	=	$21	
Shape landing (w/ grader)	0.5 sta	@	$22.69	/sta	=	$11	
Compact landing (w/ roller)	0.5 sta	@	$17.50	/sta	=	$9	
Process rock (w/ grader)	2.0 sta	@	$22.69	/sta	=	$45	
Compact rock (w/ roller)	2.5 sta	@	$17.50	/sta	=	$44	
					TOTAL IMPROVEMENT =		$1,373

SURFACING		Size		Rate			
Spot rock (Sta. 0+00 to 22+70)	20 CY	1½"-0"	@	$34.69	/CY	=	$694
					TOTAL ROCK COST =		$694

Compiled by: Steven Irving
Date: Jun 11, 2024

GRAND TOTAL =====> $2,067

SUMMARY OF BRUSHING COST

SALE Thin Bear Project # 3 LENGTH 2.88 Miles
ROAD All

LIGHT BRUSHING				Rate			
Pt. 1 to Pt. 2	1.42	mi	@	$880.00	/mi	=	$1,250
(Sta. 126+05 to 201+15)							
Pt. 3 to Pt. 4	0.07	mi	@	$880.00	/mi	=	$62
Pt. 5 to Pt. 6	0.05	mi	@	$880.00	/mi	=	$44
TOTAL LENGTH =	1.54	mi		TOTAL LIGHT BRUSHING COST =			$1,356

MEDIUM BRUSHING				Rate			
Pt. 1 to Pt. 2	0.80	mi	@	$1,200.00	/mi	=	$960
(Sta. 201+15 to 243+30)							
Pt. 7 to Pt. 8	0.17	mi	@	$1,200.00	/mi	=	$204
Pt. 9 to Pt. 10	0.10	mi	@	$1,200.00	/mi	=	$120
Pt. 11 to Pt. 12	0.03	mi	@	$1,200.00	/mi	=	$36
Pt. 13 to Pt. 14	0.24	mi	@	$1,200.00	/mi	=	$288
(Sta. 17+20 to 29+80)							
TOTAL LENGTH =	1.34	mi		TOTAL MEDIUM BRUSHING COST =			$1,608

BRUSHING GRAND TOTAL =====> $2,964

SOD AND DEBRIS REMOVAL				Rate			
All brushing segments	2.88	mi	@	$894.96	/mi	=	$2,577
TOTAL LENGTH =	2.88	mi		**TOTAL SOD AND DEBRIS REMOVAL =====>**			**$2,577**

Compiled by: Steven Irving
Date: Jun 11, 2024

SUMMARY OF MAINTENANCE COST

SALE Thin Bear 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	150.0	$22.69	$3,403.50	2.84
3 to 4	3.5	$22.69	$79.42	0.07
9 to 10	5.3	$22.69	$120.26	0.10
11 to 12	1.8	$22.69	$40.84	0.03
13 to 14 (Sta. 0+00 to 22+70)	22.7	$22.69	$515.06	0.43
Total	183.3		$4,159.08	3.47

Maintenance Rock:

	Volume	Cost/CY	Cost
1½"-0"	80	$34.69	$2,775.20

Grand Total $ 7,884.28

TS Volume 694 MBF

Cost / MBF = $11.36

NOTES:

Rock Haul Cost Computation

SALE NAME: Thin Bear — DATE: Jun 11, 2024
ROAD NAME: 5000 Line and Trapp Creek — 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	50.6	MRT	60.7	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	3.4	MRT	13.6	minutes
10.	10 MPH	3.4	MRT	20.4	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)		95.20	minutes
Operator efficiency correction	0.85	112.00	minutes
Job efficiency correction	0.90	124.44	minutes
Truck capacity (CY)	10.00	12.44	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		12.69	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	$21.19	/CY

Size	**Cost/Yd (Pit)**	**Cost Delivered w/o processing**
1½" - 0"	$ 13.50	$34.69
3" - 0"	$ 12.15	$33.34
Jaw-Run	$ 11.14	$32.33

TIMBER CRUISE REPORT

Thin Bear
(WO-341-2025-W01092-01)
FY 2024

1. **Sale Area Location:** Portions of Section 7, Tl IS, R9W, W.M. Lincoln County, Oregon.

2. **Fund Distribution:**
   a. **Fund** BOF 100%

3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	Existing Roads	New Roads	Thinning Optional Area	Net Sale Acres	Acreage Comp. Method
I	**Partial Cut**	95	9	4	<I	I	81	GIS
2	**Partial Cut**	35	-	I	<I	-	34	GIS
Total		130	9	5	<I	I	115	

4. **Cruise,·s and Cruise Dates:** This sale was cruised by Steven Irving and Isabelle Doan in April and May 2024.

5. **Cruise Method and Computation:** The sale consists of two Partial Cut units that were cruised using variable radius plot sampling. Both units were cruised using a basal area factor of 20, on a 6x6 chain cruise grid. On Unit I, a total of 11 measure plots and 11 count plots were taken. On Unit 2, a total of 5 measure plots, and 4 count plots were taken.

   Measure plots were measmed for DBH, height, form factor, grade, and defect. Data was entered into the Atterbmy 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 01tho 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 measmed 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 32-year-old Douglas-fir for Unit I, and 31-year-old Douglas-fir for unit 2. For Units I and 2 the average Douglas-fir to be removed is approximately IO inches DBH, with an average height of 39 feet to a merchantable top. The average volume per acre to be harvested (net) is approximately 6.3 MBF for Units I and 2.

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1 and 2	40%	15%	23.1 %	4.1%

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 – 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	Douglas-fir	509	3.3%	17	-	2%	10	482
2	Douglas-fir	214	3.3%	7	9	2%	4	212
Total		**723**	**3.3%**	**24**	**9**	**2%**	**14**	**694**

Unit	Species	Avg. DBH	Tot. Net Vol.	2-Saw	3-Saw	4-Saw
1	Douglas-fir	10	Grade %	0%	43%	57%
			482	-	207	275
2	Douglas-fir	10	Grade %	0%	43%	57%
			212	-	91	121
Total	Total	10	694	-	298	396

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

Prepared by: Steven Irving Date: 5/24/2024

Unit Forester: cody Me Date: 5/29/2024
Cody Valencia

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: Thin Bear **Unit** 1 & 2

Harvest Type: PC
Approx. Cruise Acres: 122 **Estimated CV%** 40 Net BF /Acre **SE% Objective** 15 Net BF /Acre

Planned Sale Volume: 758 MBF **Estimated Sale Area Value/Acre:** $ 1,200

A. Cruise Goals: (a) Grade minimum 100 conifer and 0 hardwood trees: (b) Sample 32 cruise plots (16 grade: 16 count); (c) Other goals X Determine log grades for sale value.

(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 6/396 (chains) (feet)
   Cruise Plot Spacing 6/396 (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 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; 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"

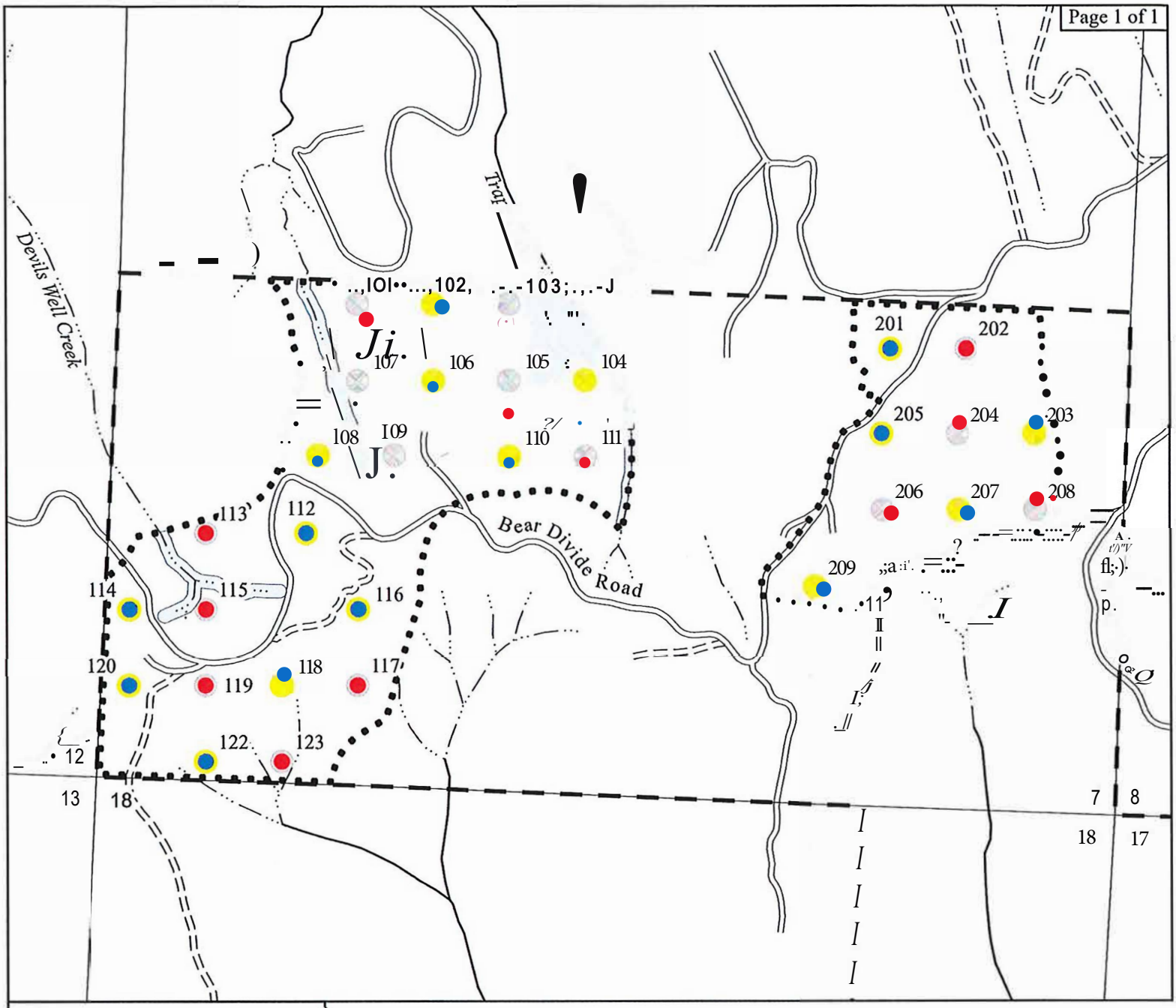
7. **Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally 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: 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 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 or Laser, Logger's Tape (with dbh on back), Biltmore Stick, Compass, Cruise Cards or Data Recorder, Cruise Design, Cruise Map, 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: Jeff Kuust
Approved by: Cody Ui
Date: 5/3/24



LEGEND

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

CRUISE MAP

OF TIMBER SALE CONTRACT NO. WO-341-2025-W01092-0I
THIN BEAR
PORTIONS OF SECTION 7, T11S, R09W, W.M.,
LINCOLN COUNTY, OREGON

Units 1 and 2
BAF: 20
Line Spacing: 6x6 Chains
Line Bearing: 90/270

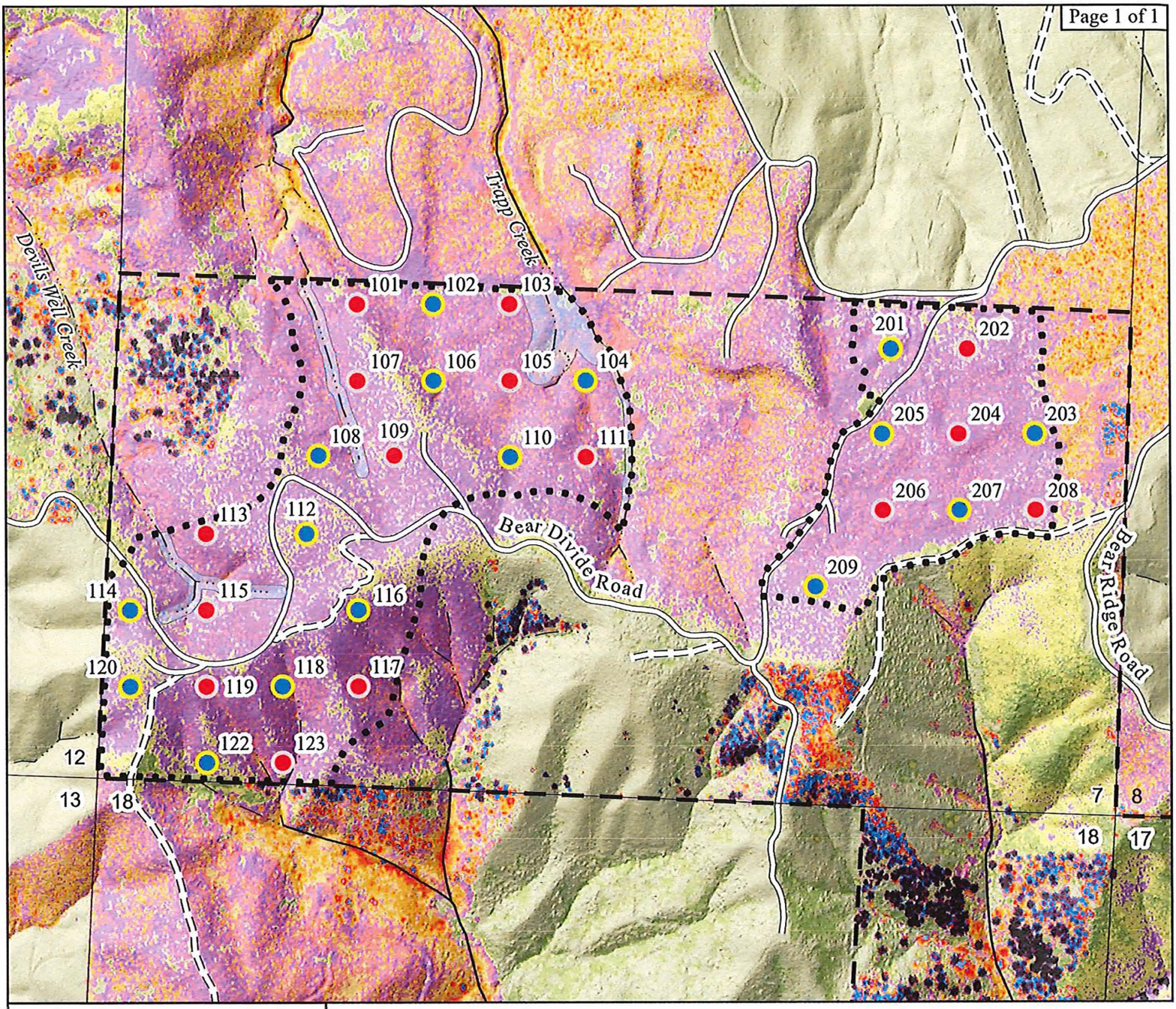
AREA	GROSS ACRES	NET ACRES
1 (PC)	95	82
2 (PC)	35	33
TOTAL	130	115

Scale
1:9,000

0 1,000 2,000 4,000 Feet

N

05/29/2024



LEGEND

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

CRUISE MAP

OF TIMBER SALE CONTRACT NO. WO-341-2025-W0 1092-01
THIN BEAR
PORTIONS OF SECTION 7, T11S, R09W, W.M.,
LINCOLN COUNTY, OREGON

Units 1 and 2
BAF: 20
Line Spacing: 6x6 Chains
Line Bearing: 90/270

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1 (PC)	95	82
2 (PC)	35	33
TOTAL	130	115

Scale
1:9,000

0 1,000 2,000 4,000 Feet

N

05/29/2024

TC PSTATS

PROJECT STATISTICS

PROJECT THINBEAR

DATE 5/24/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09	07	ALL	00PC	115.00	31	310	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	31	310	10.0		
CRUISE	16	152	9.5	30,448	.5
DBH COUNT					
REFOREST					
COUNT	15	158	10.5		
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	94	134.5	12.8	54	33.7	120.6	12,867	12,751	3,780	3,780
DF-T	50	126.2	10.2	39	22.4	71.6	6,281	6,076	1,811	1,811
WHEMLOCK	4	1.2	25.7	57	0.9	4.5	382	362	106	106
R ALDER	4	2.9	14.3	59	0.9	3.2	360	360	110	110
TOTAL	*152*	*264.8*	*11.8*	*47*	*58.3*	*200.0*	*19,890*	*19,549*	*5,807*	*5,807*

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	COEFF VAR.%	S.E.%	SAMPLE TREES - BF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF-L	46.4	4.8	104	109	114			
DF-T	64.9	9.2	53	59	64			
WHEMLOCK	90.9	51.9	167	348	528			
R ALDER	30.1	17.2	108	130	152			
TOTAL	*80.1*	*6.5*	*93*	*99*	*106*	*256*	*64*	*28*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	SAMPLE TREES - CF LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF-L	43.4	4.5	31	32	34			
DF-T	63.2	8.9	16	18	19			
WHEMLOCK	76.5	43.7	56	99	143			
R ALDER	26.1	14.9	33	39	45			
TOTAL	*72.8*	*5.9*	*28*	*29*	*31*	*211*	*53*	*23*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	TREES/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	24.2	4.4	129	134	140			
DF-T	62.5	11.2	112	126	140			
WHEMLOCK	326.2	58.5	1	1	2			
R ALDER	348.1	62.5	1	3	5			
TOTAL	*31.0*	*5.6*	*250*	*265*	*279*	*38*	*10*	*4*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	BASAL AREA/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	16.3	2.9	117	121	124			
DF-T	61.9	11.1	64	72	80			
WHEMLOCK	317.5	57.0	2	5	7			
R ALDER	361.4	64.9	1	3	5			
TOTAL	*23.2*	*4.2*	*192*	*200*	*208*	*22*	*5*	*2*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	NET BF/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF-L	20.7	3.7	12,279	12,751	13,224			
DF-T	61.3	11.0	5,408	6,076	6,745			
WHEMLOCK	318.2	57.1	155	362	568			
R ALDER	356.6	64.0	130	360	590			

TC PSTATS

PROJECT STATISTICS

PROJECT THINBEAR

DATE 5/24/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09	07	ALL	00PC	115.00	31	310	1	W

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*23.1*	*4.1*	*18,739*	*19,549*	*20,359*	*21*	*5*	*2*

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	18.6	3.3	3,654	3,780	3,907			
DF-T	61.5	11.0	1,611	1,811	2,011			
WHEMLOCK	318.1	57.1	45	106	166			
R ALDER	355.8	63.9	40	110	180			
TOTAL	*22.2*	*4.0*	*5,576*	*5,807*	*6,038*	*20*	*5*	*2*

TC TLOGSTVB

Log Stock Table - MBF

Project: THINBEAR

T11S R09W S07 T00PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	07	ALL	00PC	115.00	31	152

T11S R09W S07 T00PC

Page 1
Date 5/24/2024
Time 3:33:37PM

Spp	S T	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	40	15		15	.7						15						
DF	L	DO	3M	30	19		19	.9				19								
DF	L	DO	3M	32	55	4.0	53	2.4			53									
DF	L	DO	3M	34	51		51	2.4			38	13								
DF	L	DO	3M	36	11		11	.5			11									
DF	L	DO	3M	38	74	2.2	72	3.3			59	13								
DF	L	DO	3M	40	906	1.0	896	41.4			185	567	130	14						
DF	L	DO	4M	12	42		42	1.9		42										
DF	L	DO	4M	14	11		11	.5		8	2									
DF	L	DO	4M	16	19		19	.9		19										
DF	L	DO	4M	18	13		13	.6		13										
DF	L	DO	4M	20	36		36	1.7		27	9									
DF	L	DO	4M	24	19		19	.9		19										
DF	L	DO	4M	26	23		23	1.1		23										
DF	L	DO	4M	28	53		53	2.4		53										
DF	L	DO	4M	30	19		19	.9		8	11									
DF	L	DO	4M	32	12		12	.5		12										
DF	L	DO	4M	34	10		10	.5		10										
DF	L	DO	4M	36	10		10	.5		10										
DF	L	DO	4M	38	42		42	1.9		42										
DF	L	DO	4M	40	40		40	1.8		40										
DF	T	DO	3M	32	35	6.0	33	1.5			21	12								
DF	T	DO	3M	34	45		45	2.1			45									
DF	T	DO	3M	38	62		62	2.9			62									
DF	T	DO	3M	40	171	3.5	165	7.6			87	59	19							
DF	T	DO	4M	12	23		23	1.1		23										
DF	T	DO	4M	14	16		16	.7		6	9									
DF	T	DO	4M	16	8		8	.4		8										
DF	T	DO	4M	18	10		10	.5			3	7								
DF	T	DO	4M	20	9		9	.4			9									
DF	T	DO	4M	24	36	26.3	26	1.2		26										
DF	T	DO	4M	26	20		20	.9		20										
DF	T	DO	4M	28	22		22	1.0		22										
DF	T	DO	4M	30	9		9	.4		9										
DF	T	DO	4M	32	43	7.0	40	1.9		14	12		14							
DF	T	DO	4M	34	19		19	.9		19										
DF	T	DO	4M	36	29	10.5	26	1.2		26										
DF	T	DO	4M	38	58		58	2.7		58										
DF	T	DO	4M	40	106		106	4.9		106										
DF			Totals		2,202	1.7	2,165	96.3		664	618	692	163	29						
WH		DO	2M	12	9	19.0	7	16.9									7			
WH		DO	2M	36	16	2.7	16	38.4									16			
WH		DO	2M	40	11		11	26.0						11						
WH		DO	3M	28	2	10.0	2	4.7					2							
WH		DO	3M	40	5		5	11.4					5							
WH		DO	4M	16	1		1	2.6			1									
WH			Totals		44	5.3	42	1.8			1		7	11			23			
RA		DO	CR	12	1		1	2.4			1									

TC TLOGSTVB

Log Stock Table - MBF

Project: THINBEAR

T11S R09W S07 T00PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	07	ALL	00PC	115.00	31	152

Date 5/24/2024
Time 3:33:37PM

Spp	S T	So Grt	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+
RA		DO	CR	18	2		2	4.9		2										
RA		DO	CR	26	2		2	4.8				2								
RA		DO	CR	36	9		9	22.5						9						
RA		DO	CR	38	8		8	19.5					8							
RA		DO	CR	40	19		19	46.0					9	10						
RA		Totals			41		41	1.8		2		3	17	19						
Total All Species					2,287	1.7	2,248	100.0		666		622	709	189	40			23		

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: THINBEAR

Date 5/24/2024

Time 3:33:35PM

T11S R09W S07 T00PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	09W	07	ALL	00PC	115.00	31	152	1	W

T11S R09W S07 T00PC

Spp	S T	So rt	Gr ad	% 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	1		128	128	15			100					100	40	13	240	1.68	.5
DF	L	DO	3M	75	1.2	9,710	9,595	1,103		99	1			2	9	89	38	8	91	0.69	105.0
DF	L	DO	4M	24		3,029	3,029	348	94	6			35	32	6	26	22	5	23	0.33	131.0
DF	**L**	**Totals**		65	.9	12,867	12,751	1,466	22	76	2		8	9	9	74	29	6	54	0.54	236.6
DF	T	DO	3M	43	2.6	2,730	2,659	306		100					26	74	37	7	69	0.54	38.3
DF	T	DO	4M	57	3.8	3,552	3,417	393	86	14			17	20	15	48	27	5	29	0.32	119.4
DF	**T**	**Totals**		31	3.3	6,281	6,076	699	48	52			9	11	20	60	30	6	39	0.39	157.7
WH		DO	2M	81	5.8	312	294	34			32	68	21			79	29	17	288	2.51	1.0
WH		DO	3M	16	3.1	60	59	7		100				29		71	35	11	139	1.82	.4
WH		DO	4M	3		9	9	1		100			100				16	6	20	0.56	.5
WH		**Totals**		2	5.3	382	362	42		19	26	55	19	5		76	27	13	190	2.04	1.9
RA		DO	CR	100		360	360	41	5	95			7	5		88	29	7	69	0.72	5.2
RA		**Totals**		2		360	360	41	5	95			7	5		88	29	7	69	0.72	5.2
Type Totals					1.7	19,890	19,549	2,248	30	68	2	1	9	9	12	70	30	6	49	0.49	401.4

TC TSTNDSUM

Stand Table Summary

Project THINBEAR

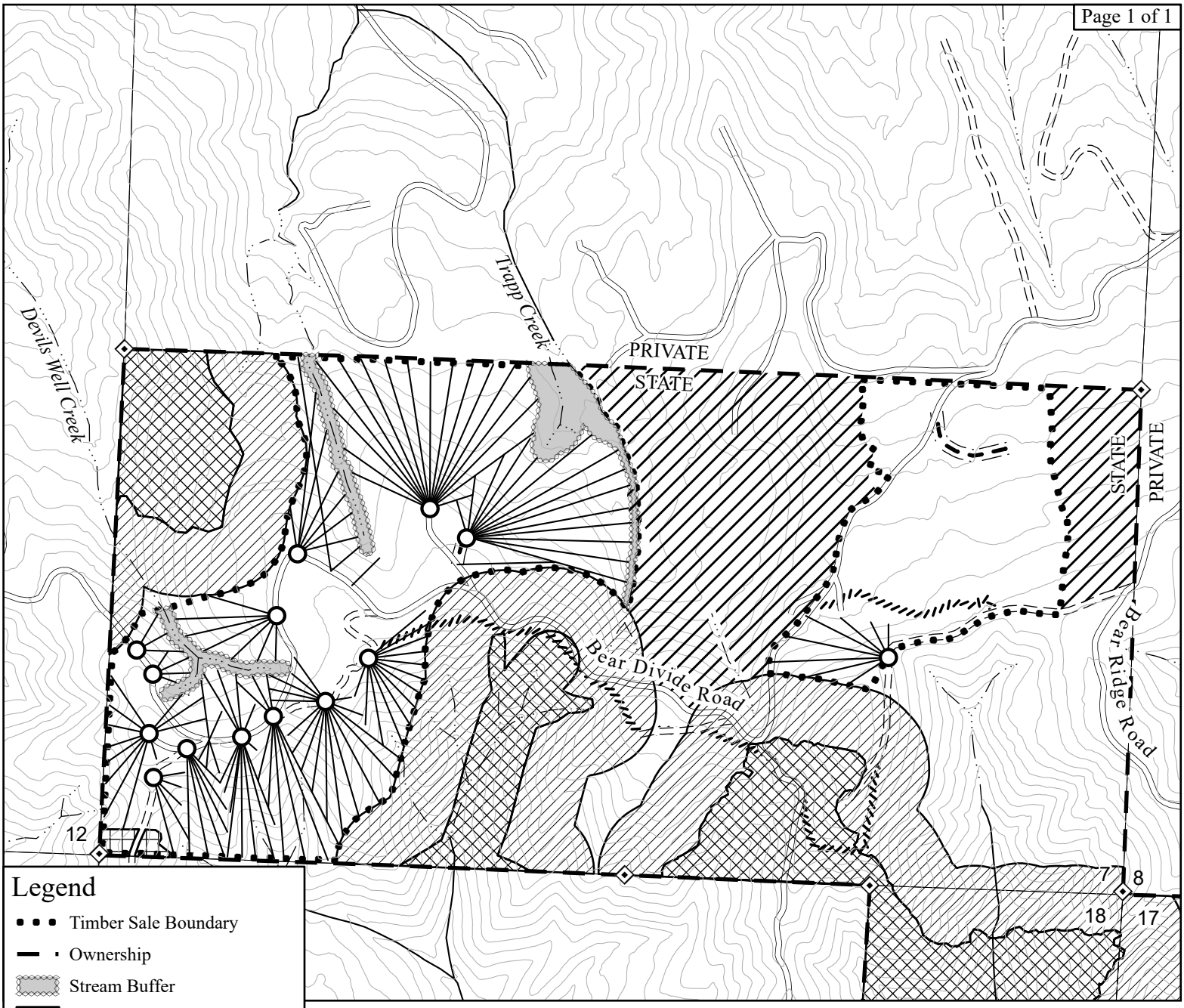
T11S R09W S07 T00PC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	07	ALL	00PC	115.00	31	152

T11S R09W S07 T00PC

Page: 1
Date: 05/24/202
Time: 3:33:36PM

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	8	1	88	56	3.677	1.28	3.68	7.0	30.0		26	110		30	13
DF	L	9	2	87	62	5.810	2.57	5.81	9.5	35.0		55	203		63	23
DF	L	10	3	89	59	7.060	3.85	7.06	12.7	40.0		89	282		103	32
DF	L	11	13	88	67	25.282	16.68	40.84	10.9	37.1		445	1,517		512	174
DF	L	12	14	89	73	22.878	17.97	42.49	12.5	41.9		529	1,781		609	205
DF	L	13	16	88	76	22.279	20.54	41.77	14.8	45.3		617	1,894		709	218
DF	L	14	18	89	87	21.611	23.10	43.22	19.0	66.4		821	2,869		944	330
DF	L	15	15	88	85	15.688	19.25	31.38	21.1	72.7		661	2,280		760	262
DF	L	16	8	87	83	7.354	10.27	14.71	23.3	78.7		343	1,158		394	133
DF	L	17	2	90	94	1.628	2.57	3.26	30.5	107.5		99	350		114	40
DF	L	19	1	87	93	.652	1.28	1.30	36.5	120.0		48	156		55	18
DF	L	21	1	90	92	.534	1.28	1.07	43.5	140.0		46	149		53	17
DF		Totals	94	88	75	134.452	120.65	236.58	16.0	53.9		3,780	12,751		4,347	1,466
DF	T	8	9	87	57	36.928	12.89	36.93	7.3	28.9		271	1,067		311	123
DF	T	9	6	87	62	19.452	8.59	16.21	10.2	36.0		165	584		190	67
DF	T	10	10	88	66	26.260	14.32	36.76	9.8	32.1		360	1,182		414	136
DF	T	11	10	89	69	21.702	14.32	30.38	12.9	42.1		391	1,280		449	147
DF	T	12	4	87	62	7.294	5.73	10.94	12.8	38.3		140	419		161	48
DF	T	13	5	89	74	7.769	7.16	13.98	15.1	44.4		211	622		243	71
DF	T	14	1	87	76	1.340	1.43	2.68	17.0	55.0		46	147		52	17
DF	T	15	2	87	79	2.334	2.86	4.67	19.0	65.0		89	303		102	35
DF	T	16	3	88	85	3.077	4.30	5.13	27.0	92.0		138	472		159	54
DF		Totals	50	88	64	126.157	71.61	157.69	11.5	38.5		1,811	6,076		2,083	699
WH		21	1	87	71	.469	1.13	.94	38.5	110.0		36	103		42	12
WH		24	1	86	57	.359	1.13	.36	34.0	170.0		12	61		14	7
WH		30	1	87	76	.230	1.13	.23	77.0	180.0		18	41		20	5
WH		33	1	86	80	.190	1.13	.38	104.5	410.0		40	156		46	18
WH		Totals	4	87	69	1.249	4.52	1.91	55.4	189.5		106	362		122	42
RA		13	2	86	79	1.750	1.61	3.50	16.2	50.0		57	175		65	20
RA		16	2	86	86	1.155	1.61	1.73	30.7	106.7		53	185		61	21
RA		Totals	4	86	81	2.905	3.23	5.23	21.0	68.8		110	360		127	41
Totals			152	88	70	264.763	200.00	401.41	14.5	48.7		5807	19,549		6,678	2,248



Legend

- Timber Sale Boundary
- Ownership
- Stream Buffer
- Thinning Not Required
- Reforestation Area

Marbled Murrelet Management Area

- Occupied Habitat
- Non-Habitat Buffer
- Surfaced Road
- Unsurfaced Road
- Right-of-Way
- New Road Construction
- Recreation Trail
- Type F Stream
- Type N Stream
- Cable Corridor
- Landing
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2025-W01092-01
THIN BEAR
PORTIONS OF SECTION 7, 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. Variations may exist between and among data sets in use by the Department of Forestry. This map was developed using the Statewide layer on March 2024. Users of this information should review or consult the primary data and information sources to ascertain the usability of this information.

AREA	TRACTOR ACRES	CABLE ACRES
1 (PC)	14	67
2 (PC)	29	4
TOTAL	43	71

Scale
1:9,000

0 500 1,000 2,000 Feet

N

06/11/2024