"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
All Terrain
Sale WO-341-2025-W01088-01

District: West Oregon

Date: June 28, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,191,618.87	$4,413.00	$1,196,031.87
		Project Work:	($82,530.00)
		Advertised Value:	$1,113,501.87

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Sale WO-341-2025-W01088-01

District: West Oregon **Date: June 28, 2024**

Timber Description

Location: Portions of Sections 15 and 16 of T11S, R9W, W.M., Lincoln County, Oregon

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	26	0	97
Alder (Red)	18	0	97

Volume by Grade	2S	3S & 4S 6"-11"	SM & Better	Camprun	Total
Douglas - Fir	2,016	240	45	0	2,301
Alder (Red)	0	0	0	30	30
Total	2,016	240	45	30	2,331

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

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost: $283.54/MBF = $550/MBF - $266.46/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost: $833.54 MBF = $1250/MBF - ($266.46/MBF + $150/MBF(Extra Haul Cost))

Big leaf maple and Other Hardwoods Stumpage Price = Hardwood Pulp price using a conversion factor of 10 ton/MBF: = $30.00/MBF

PULP (Conifer and Hardwood Price) = $3/TON

Other Costs (with Profit & Risk to be added):
Intermediate Support/Tail Trees: 6 supports @ $100/support = $600
Deadman achors: 5 anchors @ $500/anchor = $2,500
TOTAL Other Costs (with Profit & Risk to be added) = $3,100

Other Costs (No Profit & Risk added):
Equipment Cleaning (Invasive Species): $2,000
Landing Slash Piling and sorting out firewood: 3 Landings @ $180/Landing = $540
Waterbar dirt roads: 15.9 stations @ $16.95/Station = $270
Felling of sub-merch species: 18 hrs. @ $50/hr = $900
TOTAL Other Costs (No Profit & Risk added) = $3,710

ROAD MAINTENANCE
Move-in:(Roller, Grader) $1,900
Final Road Maintenance: $18,575.06
TOTAL Road Maintenance: $20,475.06/2,342MBF = $8.74/MBF

SLASH DISPOSAL
Move-In: $1,500
Project Work: 32 hrs @ $175/hr = $5,600
Move between units = $175
Total Slash Disposal = $7,275

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Timber Sale Appraisal
All Terrain
Sale WO-341-2025-W01088-01

District: West Oregon **Date: June 28, 2024**

Logging Conditions

Combination#: 1

Douglas - Fir	44.00%
Alder (Red)	44.00%

Logging System: Cable: Large Tower >=70 **Process:** Manual Falling/Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 11 **bd. ft / load:** 5000
cost / mbf: $155.99
machines: Log Loader (A)
Tower Yarder (Large)

Combination#: 2

Douglas - Fir	9.00%
Alder (Red)	9.00%

Logging System: Cable: Large Tower >=70 **Process:** Manual Falling/Delimbing
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 14 **bd. ft / load:** 5000
cost / mbf: $122.56
machines: Log Loader (A)
Tower Yarder (Large)

Combination#: 3

Douglas - Fir	47.00%
Alder (Red)	47.00%

Logging System: Shovel **Process:** Manual Falling/Delimbing
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 20 **bd. ft / load:** 5000
cost / mbf: $100.00
machines: Shovel Logger

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
All Terrain
Sale WO-341-2025-W01088-01

District: West Oregon **Date: June 28, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$82,530.00	**Other Costs (P/R):**	$3,100.00
Slash Disposal:	$7,275.00	**Other Costs:**	$3,710.00

Miles of Road

Road Maintenance: $8.74

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	4.5
Alder (Red)	$0.00	2.0	3.8

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
All Terrain
Sale WO-341-2025-W01088-01

District: West Oregon **Date: June 28, 2024**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$126.67	$9.00	$3.77	$95.37	$1.33	$23.61	$3.12	$2.00	$1.59	$266.46
Alder (Red)									
$126.67	$9.00	$3.77	$169.40	$1.33	$31.02	$3.12	$2.00	$1.59	$347.90

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$784.33	$517.87	$0.00
Alder (Red)	$0.00	$495.00	$147.10	$0.00

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
All Terrain
Sale WO-341-2025-W01088-01

District: West Oregon **Date: June 28, 2024**

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	2,301	$517.87	$1,191,618.87
Alder (Red)	30	$147.10	$4,413.00

Gross Timber Sale Value

Recovery: $1,196,031.87

Prepared By: Steven Irving **Phone:** 541-929-3266

SUMMARY OF ALL PROJECT COSTS

Sale Name: All Terrain

Date: June 2024
Time: 15:14

Project #1 - Road Construction

Road Segment	Length	Cost
A to B	2.4 sta	$1,666
C to D	1.1 sta	$1,537
TOTALS	3.5 sta	$3,203

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

Road Segment	Length	Cost
1 to 2	190.8 sta	$46,635
3 to 4	112.9 sta	$154
5 to 6	49.6 sta	$2,043
7 to A	13.6 sta	$2,423
8 to 9	17.7 sta	$5,428
10 to 11	53.2 sta	$6,661
12 to 13	10.0 sta	$2,189
14 to 15	6.2 sta	$711
16 to 17	6.2 sta	$860
TOTALS	460.2 sta	$67,104

Project #3 - Brushing	Length	Cost
Brushing	2.76 mi	$3,463
Sod and Brush Removal	2.76 mi	$2,470
TOTAL		$5,933

Project #4 - 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
Road Brusher	$500
Move Between Units	$1,440
TOTAL	$6,290

GRAND TOTAL **$82,530**

Compiled by: Steven Irving Date 06/28/2024

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 1 LENGTH 2.4 sta
ROAD A to B

CLEARING AND GRUBBING				Rate			
Road	0.17	ac	@	$1,470.00	/acre =	$250	
				TOTAL CLEARING AND GRUBBING =			$250

EXCAVATION				Rate			
Construct road	2.4	sta	@	$235.00	/sta =	$564	
Construct landing	1	ldg	@	$480.00	/hr =	$480	
					TOTAL EXCAVATION =		$1,044

IMPROVEMENT				Rate			
Shape subgrade (w/ grader)	2.4	sta	@	$22.69	/sta =	$54	
Compact subgrade (w/ roller)	2.4	sta	@	$17.50	/sta =	$42	
Compact rock (w/ roller)	0.5	sta	@	$17.50	/sta =	$9	
Process rock (w/ dozer)	0.5	sta	@	$22.69	/sta =	$11	
					TOTAL IMPROVEMENT =		$116

SURFACING			Size		Rate			
Transition rock	10	CY	Jaw-Run	@	$25.55	/CY =	$256	
						TOTAL ROCK COST =		$256

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $1,666

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 1 LENGTH 1.1 sta
ROAD C to D

CLEARING AND GRUBBING				Rate			
Road and Landing	0.08	ac	@	$1,470.00	/acre	=	$118
Remove large stumps	4	stumps	@	$90.00	/stump	=	$360

TOTAL CLEARING AND GRUBBING = $478

EXCAVATION				Rate			
Construct road	1.1	sta	@	$235.00	/sta	=	$259
Construct landing	1	ldg	@	$480.00	/hr	=	$480

TOTAL EXCAVATION = $739

IMPROVEMENT				Rate			
Shape subgrade (w/ grader)	1.1	sta	@	$22.69	/sta	=	$25
Compact subgrade (w/ roller)	1.1	sta	@	$17.50	/sta	=	$19
Compact rock (w/ roller)	0.5	sta	@	$17.50	/sta	=	$9
Process rock (w/ dozer)	0.5	sta	@	$22.69	/sta	=	$11

TOTAL IMPROVEMENT = $64

SURFACING			Size		Rate			
Transition rock	10	CY	Jaw-Run	@	$25.55	/CY	=	$256

TOTAL ROCK COST = $256

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $1,537

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH improve 190.8 sta
ROAD 1 to 2

EXCAVATION					Rate			
Cutslope rounding (Sta. 162+70 to Sta. 169+65)	6.1	sta		@	$54.00	/sta	=	$329
Road widening (w/ excavator) (Sta. 162+70 to 169+65)	8.0	hrs		@	$160.00	/hr	=	$1,280
Construct landing	2	landings		@	$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
Construct fill (w/ excavator) (Sta. 183+55 and 188+45)	4.0	hrs		@	$160.00	/hr	=	$640
Compact fill (Sta. 183+55 and 188+45)	190	CY		@	$0.90	/CY	=	$171
End haul material (30% expansion)	1250	CY		@	$6.20	/CY	=	$7,750
Compact waste material	1250	CY		@	$0.50	/CY	=	$625
							TOTAL EXCAVATION =	$11,796
IMPROVEMENT					Rate			
Process rock (w/ grader)	58.7	sta		@	$22.69	/sta	=	$1,332
Process rock (w/ dozer)	7.1	sta		@	$22.69	/sta	=	$161
Compact rock (w/ roller)	65.8	sta		@	$17.50	/sta	=	$1,152
Shape surface (w/ grader)	51.3	sta		@	$22.69	/sta	=	$1,164
Compact surface (w/ roller)	51.3	sta		@	$17.50	/sta	=	$898
Process landing rock (w/ dozer)	1.0	sta		@	$22.69	/sta	=	$23
							TOTAL IMPROVEMENT =	$4,730
SURFACING			Size		Rate			
Spot rock (Sta. 0+00 to Sta. 162+70)	100	CY	1½"-0"	@	$33.16	/CY	=	$3,316
Surface rock (2-inch lift) (Sta. 162+70 to 190+80)	310	CY	1½"-0"	@	$33.16	/CY	=	$10,280
Patch rock (Sta. 162+70 to Sta. 169+65)	100	CY	Jaw-Run	@	$30.80	/CY	=	$3,080
Patch rock (Sta. 162+70 to Sta. 169+65)	30	CY	3"-0"	@	$31.81	/CY	=	$954
Patch rock (Sta. 173+20 to Sta. 174+20)	20	CY	Jaw-Run	@	$30.80	/CY	=	$616
Surface rock (2" lift) (Sta. 173+20 to Sta. 190+80)	190	CY	3"-0"	@	$31.81	/CY	=	$6,044
Culvert bedding rock (Sta. 176+50)	10	CY	1½"-0"	@	$33.16	/CY	=	$332
Landing rock (Sta. 183+55 and Sta. 188+45)	120	CY	Jaw-Run	@	$30.80	/CY	=	$3,696
Turnaournd rock (Sta. 173+20)	20	CY	3"-0"	@	$31.81	/CY	=	$636
							TOTAL ROCK COST =	$28,954
SPECIAL PROJECTS					Rate			
Reopen culvert inlet (Sta. 152+05)	0.5	hr		@	$50	hr	=	$25
Clean out culverts (inlets and outlets)	5	culverts		@	$25	ea	=	$125
Install culvert (w/ excavator)	2.0	hrs		@	$160.00	/hr	=	$320
Grass seed WA	20	lbs		@	$2.50	/lb	=	$50
Mulch WA	10	bales		@	$14.00	/bale	=	$140
18"x30' CPP (Sta. 176+50)	30	ft		@	$16.50	/ft	=	$495
							TOTAL SPECIAL PROJECTS COST =	$1,155

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $46,635

SUMMARY OF CONSTRUCTION COST

SALE	All Terrain	Project #	2	LENGTH	112.9 sta
ROAD	3 to 4				

IMPROVEMENT			Rate			
Shape surface (w/ grader)	4.0 sta	@	$22.69	/sta	=	$91
				TOTAL IMPROVEMENT =		$91

SPECIAL PROJECTS			Rate			
Construct waste area (w/ grader)	0.5 hr	@	$125	hr	=	$63
				TOTAL SPECIAL PROJECTS COST =		$63

Compiled by:	Steven Irving		
Date:	Jun 28, 2024	**GRAND TOTAL =====>**	**$154**

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH 49.6 sta
ROAD 5 to 6

EXCAVATION				Rate			
Construct landing	1 ldg		@	$480.00	/ldg	=	$480
					TOTAL EXCAVATION =		$480
IMPROVEMENT				Rate			
Shape surface (w/ grader)	3.0 sta		@	$22.69	/sta	=	$68
Compact surface (w/ roller)	3.0 sta		@	$17.50	/sta	=	$53
Shape subgrade (w/ grader)	4.1 sta		@	$22.69	/sta	=	$93
Compact subugrade (w/ roller)	4.1 sta		@	$17.50	/sta	=	$72
Shape landing (w/ grader)	0.5 sta		@	$22.69	/sta	=	$11
Compact landing (w/ roller)	0.5 sta		@	$17.50	/sta	=	$9
					TOTAL IMPROVEMENT =		$306
SURFACING		Size		Rate			
Spot rock	30 CY	1½"-0"	@	$25.91	/CY	=	$777
					TOTAL ROCK COST =		$777
SPECIAL PROJECTS				Rate			
Construct waste area (w/ excavator)	3.0 hrs		@	$160	/hr	=	$480
					TOTAL SPECIAL PROJECTS COST =		$480

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $2,043

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH 13.6 sta
ROAD 7 to A

IMPROVEMENT				Rate			
Shape surface (w/ grader)	15.6 sta		@	$22.69	/sta	=	$354
Compact surface (w/ roller)	15.6 sta		@	$17.50	/sta	=	$273
					TOTAL IMPROVEMENT =		$627

SURFACING		Size		Rate			
Curve widening rock	20 CY	3"-0"	@	$26.56	/CY	=	$531
Spot rock	30 CY	1½"-0"	@	$27.91	/CY	=	$837
					TOTAL ROCK COST =		$1,368

SPECIAL PROJECTS				Rate			
Load trash (w/ excavator)	0.5 hrs		@	$160	/hr	=	$80
End-haul trash	2.5 hrs		@	$99.00	/hr	=	$248
Trash disposal fee	1.0 ea		@	$100.00	/ea	=	$100
					TOTAL SPECIAL PROJECTS COST =		$428

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $2,423

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH improve 17.7 sta
ROAD 8 to 9

EXCAVATION				Rate				
Construct landing	1	landing	@	$480.00	/ldg	=	$480	
Construct ditchout	1.0	hr	@	$160.00	/hr	=	$160	
(Sta. 6+95,14+00)								
					TOTAL EXCAVATION =			$640
IMPROVEMENT				Rate				
Shape surface	17.7	sta	@	$22.69	/sta	=	$402	
(w/ grader)								
Compact surface	17.7	sta	@	$17.50	/sta	=	$310	
(w/ roller)								
Shape landing	0.5	sta	@	$22.69	/sta	=	$11	
(w/ grader)								
Compact landing	0.5	sta	@	$17.50	/sta	=	$9	
(w/ roller)								
					TOTAL IMPROVEMENT =			$732
SPECIAL PROJECTS				Rate				
18"x30' CPP	120	ft	@	$16.50	/ft	=	$1,980	
(Sta. 5+50,10+10,12+10,15+70)								
Install culvert	6.0	hrs	@	$160.00	/hr	=	$960	
(w/ excavator)								
Culvert Bedding Rock	40	CY	1½"-0"	@ $27.91	/CY	=	$1,116	
					TOTAL SPECIAL PROJECTS COST =			$4,056

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $5,428

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH improve 53.2 sta
ROAD 10 to 11

IMPROVEMENT			Rate				
Shape surface (w/ grader)	53.2 sta	@	$22.69	/sta	=	$1,207	
Compact surface (w/ roller)	55.2 sta	@	$17.50	/sta	=	$966	
Process surface (w/ grader)	16.0 sta	@	$22.69	/sta	=	$363	
					TOTAL IMPROVEMENT =		$2,536

SURFACING		Size		Rate				
Spot rock	120 CY	1½"-0"	@	$25.91	/CY	=	$3,109	
Curve widening rock (Sta. 24+00 and Sta. 46+80)	40 CY	3"-0"	@	$23.41	/CY	=	$936	
						TOTAL ROCK COST =		$4,045

SPECIAL PROJECTS			Rate				
Move old equipment (w/ excavator)	0.5 hrs	@	$160	/hr	=	$80	
					TOTAL SPECIAL PROJECTS COST =		$80

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $6,661

SUMMARY OF CONSTRUCTION COST

SALE	All Terrain	Project #	2	LENGTH	10.0 sta
ROAD	12 to 13				

IMPROVEMENT				Rate				
Shape surface (w/ grader)	10.0	sta		@	$22.69	/sta	=	$227
Compact surface (w/ roller)	10.0	sta		@	$17.50	/sta	=	$175
Process rock (w/ grader)	5.5	sta		@	$22.69	/sta	=	$125
						TOTAL IMPROVEMENT =		$527

SURFACING			Size		Rate			
Spot rock	50	CY	1½"-0"	@	$27.91	/CY	=	$1,396
Landing rock (Sta. 10+00)	10	CY	3"-0"	@	$26.56	/CY	=	$266
						TOTAL ROCK COST =		$1,662

Compiled by:	Steven Irving		
Date:	Jun 28, 2024	**GRAND TOTAL =====>**	**$2,189**

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH 6.2 sta
ROAD 14 to 15

EXCAVATION				Rate				
Remove tank trap (w/ excavator)	0.5	hrs	@	$160	/hr	=	$80	
					TOTAL EXCAVATION =			$80
IMPROVEMENT				Rate				
Reopen road (w/ grader)	6.2	sta	@	$16.95	/sta	=	$105	
Shape subgrade (w/ grader)	6.2	sta	@	$22.69	/sta	=	$141	
Process rock (w/ dozer)	0.5	sta	@	$22.69	/sta	=	$11	
Compact rock (w/ roller)	0.5	sta	@	$17.50	/sta	=	$9	
Compact subgrade (w/ roller)	6.2	sta	@	$17.50	/sta	=	$109	
					TOTAL IMPROVEMENT =			$375
SURFACING			Size	Rate				
Transition Rock	10	CY	Jaw-Run @	$25.55	/CY	=	$256	
					TOTAL ROCK COST =			$256

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $711

SUMMARY OF CONSTRUCTION COST

SALE All Terrain Project # 2 LENGTH improve 6.2 sta
ROAD 16 to 17

EXCAVATION				Rate				
Remove tank trap (w/ excavator)	0.5	hrs	@	$160	/hr	=	$80	
					TOTAL EXCAVATION =			$80
IMPROVEMENT				Rate				
Reopen road (w/ dozer)	6.2	sta	@	$41.00	/sta	=	$254	
Shape subgrade (w/ grader)	6.2	sta	@	$22.69	/sta	=	$141	
Process rock (w/ dozer)	0.5	sta	@	$22.69	/sta	=	$11	
Compact subgrade (w/ roller)	6.2	sta	@	$17.50	/sta	=	$109	
Compact rock (w/ roller)	0.5	sta	@	$17.50	/sta	=	$9	
					TOTAL IMPROVEMENT =			$524
SURFACING			Size	Rate				
Transition Rock	10	CY	Jaw-Run @	$25.55	/CY	=	$256	
					TOTAL ROCK COST =			$256

Compiled by: Steven Irving
Date: Jun 28, 2024

GRAND TOTAL =====> $860

SUMMARY OF BRUSHING COST

SALE All Terrain Project # 3 LENGTH maintain 2.76 Miles
ROAD All (Surfaced/unsurfaced)

MEDIUM BRUSHING				Rate			
Pt. 1 to Pt. 2	0.97	mi	@	$1,200.00	/mi	=	$1,164
(Sta. 139+50 to Sta. 190+80)							
Pt. 5 to Pt. 6	0.09	mi	@	$1,200.00	/mi	=	$108
(Sta. 45+00 to Sta. 49+60)							
Pt. 7 to Pt. A	0.26	mi	@	$1,200.00	/mi	=	$312
Pt. 10 to 11	1.01	mi	@	$1,200.00	/mi	=	$1,212
TOTAL LENGTH =	2.33	mi		TOTAL MEDIUM BRUSHING COST =			$2,796

HEAVY BRUSHING				Rate			
Pt. 12 to Pt. 13	0.19	mi	@	$1,550.00	/mi	=	$295
Pt. 14 to Pt. 15	0.12	mi	@	$1,550.00	/mi	=	$186
Pt. 16 to Pt. 17	0.12	mi	@	$1,550.00	/mi	=	$186
TOTAL LENGTH =	0.43	mi		TOTAL HEAVY BRUSHING COST =			$667

BRUSHING GRAND TOTAL =====> $3,463

SOD AND DEBRIS REMOVAL				Rate			
All brushing segments	2.76	mi	@	$894.96	/mi	=	$2,470
TOTAL LENGTH =	2.76	mi		**TOTAL SOD AND DEBRIS REMOVAL =====>**			**$2,470**

Compiled by: Steven Irving
Date: Jun 28, 2024

SUMMARY OF MAINTENANCE COST

SALE All Terrain Final log haul Maintenance Cost Estimate

(Costed in appraisal, not in project costs)

Move-in	Grader	$	950
	Roller	$	950

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	190.8	$40.19	$7,668.25	3.61
7 to A	13.6	$22.69	$308.58	0.26
8 to 9	17.7	$22.69	$401.61	0.34
10 to 11	53.2	$40.19	$2,138.11	1.01
12 to 13	10.6	$40.19	$426.01	0.20
Total	285.9		$10,942.56	5.42

Maintenance Rock:

	Volume	Cost/CY	Cost
1½"-0"	250	$30.53	$7,632.50

Grand Total $ 20,475.06

TS Volume 2,342 MBF

Cost / MBF = $8.74

NOTES:

Rock Haul Cost Computation

SALE NAME: All Terrain — DATE: Jun 28, 2024
ROAD NAME: Unit 1 — CLASS: Medium
ROCK SOURCE: Rickard — 10 CY truck
Route: Deer Creek and Baber Ridge

TIME Computation:
Road speed time factors:

1.	55 MPH		MRT	0.0	minutes
2.	50 MPH	43.0	MRT	51.6	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	3.6	MRT	14.4	minutes
10.	10 MPH	3.6	MRT	21.6	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)		88.10	minutes
Operator efficiency correction	0.85	103.65	minutes
Job efficiency correction	0.90	115.17	minutes
Truck capacity (CY)	10.00	11.52	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		11.77	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	$19.66	/CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½" - 0"	$ 13.50	$33.16
3" - 0"	$ 12.15	$31.81
Jaw-Run	$ 11.14	$30.80

Rock Haul Cost Computation

SALE NAME: All Terrain — DATE: Jun 28, 2024
ROAD NAME: Unit 2 and 3 — CLASS: Medium
ROCK SOURCE: Rickard — 10 CY truck
Route: Deer Creek and Baber Ridge

TIME Computation:
Road speed time factors:

1.	55 MPH		MRT	0.0	minutes
2.	50 MPH	43.0	MRT	51.6	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	2.0	MRT	12.0	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)		64.10	minutes
Operator efficiency correction	0.85	75.41	minutes
Job efficiency correction	0.90	83.79	minutes
Truck capacity (CY)	10.00	8.38	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		8.63	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	$14.41	/CY

Size	**Cost/Yd (Pit)**	**Cost Delivered w/o processing**
1½" - 0"	$ 13.50	$27.91
3" - 0"	$ 12.15	$26.56
Jaw-Run	$ 11.14	$25.55

TIMBER CRUISE REPORT

All Terrain
(WO-341-2025-W01088-01)
FY 2024

1. **Sale Area Location**: Portions of Sections 15 and 16, T11S, R09W, W.M., Lincoln, Oregon.

2. **Fund Distribution:**
   a. **Fund** BOF 52%
   CSL 48%

3. **Sale Acreage by Area:**

Unit	Treatment	Gross Acres	Stream Buffers	Slope Buffer	Existing Roads	Green Tree Reserve Area	Net Sale Acres	Acreage Comp. Method
1	Modified Clearcut	27	3	3	<1	-	21	GIS
2	Modified Clearcut	23	-	-	3	1	19	GIS
3	Modified Clearcut	7	4	-	<1	<1	3	GIS
Total		57	7	3	3	1	43	GIS

4. **Cruisers and Cruise Dates:** The sale was cruised by Steven Irving, Zane Sandborg, Isabelle Doan, and Jack Stout in May of 2024.

5. **Cruise Method and Computation:** The sale consists of three units. Unit 1 is a modified clearcut that was cruised using variable radius plot sampling on a 2 x 3 chain grid using a 40 BAF. A total of 33 plots were taken in Unit 1 with 17 measure plots and 17 count plots. Unit 2 is a modified clearcut unit that was cruised using variable radius plot sampling on a 2 x 4 chain grid using a 40 BAF. Unit 3 is a modified clearcut unit that was cruised using variable radius plot sampling on a 2 x 2 chain grid using a 40 BAF. Unit 2 and 3 cruise data was combined due to similar stand characteristics, a total of 27 plots were taken in Units 2 and 3.

   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 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 in Unit 1 includes 21 acres of 94 to 97-year-old Douglas-fir with some scattered bigleaf maple and red alder. The average Douglas-fir to be removed is approximately 26 inches DBH, with an average height of 104 feet to a merchantable top. The average bigleaf maple is approximately 23 inches DBH,

with an average height of 56 feet to a merchantable top. The average red alder is approximately 18 inches with an average height of 54 feet to a merchantable top. The average volume per acre to be harvested (net) in Unit 1 is approximately 54.6 MBF.

Timber in Unit 2 and 3 includes approximately 22 acres of 77 year-old Douglas-fir with some scattered bigleaf maple. The average Douglas-fir to be removed is approximately 27 inches DBH, with an average height of 99 feet to a merchantable top. The average bigleaf maple is approximately 10 inches DBH, with an average height of 30 feet to a merchantable top. The average volume per acre to be harvested (net) in Units 2 and 3 is approximately 54.4 MBF.

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1	55%	10%	66.6%	11.6%
2 and 3	50%	10%	37.0%	7.2%

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	Cruised D & B	Cruised D & B (MBF)	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1	Douglas-fir	1,203	1.1%	(13)	7%	(83)	1,107
	Red Alder	34	4.9%	(2)	5%	(2)	30
	Bigleaf Maple	10	4.6%	(<1)	5%	(1)	9
2 and 3	Douglas-fir	1,263	0.5%	(6)	5%	(63)	1,194
	Bigleaf Maple	2	-	-	5%	(<1)	2
Total		2,512	0.8	21	6.0%	149	2,342

Unit	Species	Ave. DBH	Net Vol.	Special Mill	2-Saw	3-Saw	4-Saw	Camp Run
1	Douglas-fir	26	Grade %	3%	85%	10%	2%	-
			1,107	33	941	111	22	-
	Red Alder	18	Grade %	-	-	-	-	100%
			30	-	-	-	-	30
	Bigleaf Maple	23	Grade %	-	-	-	-	100%
			9	-	-	-	-	9
2 and 3	Douglas-fir	27	Grade %	1%	90%	7%	2%	-
			1,194	12	1,075	83	24	-
	Bigleaf Maple	10	Grade %	-	-	-	-	100%
			2	-	-	-	-	2
Total			2,342	45	2,016	194	46	41

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

Prepared by: Steven Irving Date: 6/13/2024

Unit Forester: Cody Valencia Date: 6/25/2024
Cody Valencia

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: __All Terrain__ **Area** 1

Harvest Type: MC Net BF 768 Net BF
Approx. Cruise Acres: 20 **Estimated CV%** 55 /Acre **SE% Objective** 10 /Acre

Planned Sale Volume: 0.768 MMBF **Estimated Sale Area Value/Acre:** $ 21,120

A. Cruise Goals: (a) Grade minimum 50 conifer and ____ hardwood trees: (b) Sample 34 cruise plots (17 grade: 17 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 40 Full point
Cruise Line Direction(s) 90 and 270
Cruise Line Spacing 3, 198 (chains) (feet)
Cruise Plot Spacing 2, 132 (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 5", 7" 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: (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

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

hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. 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.

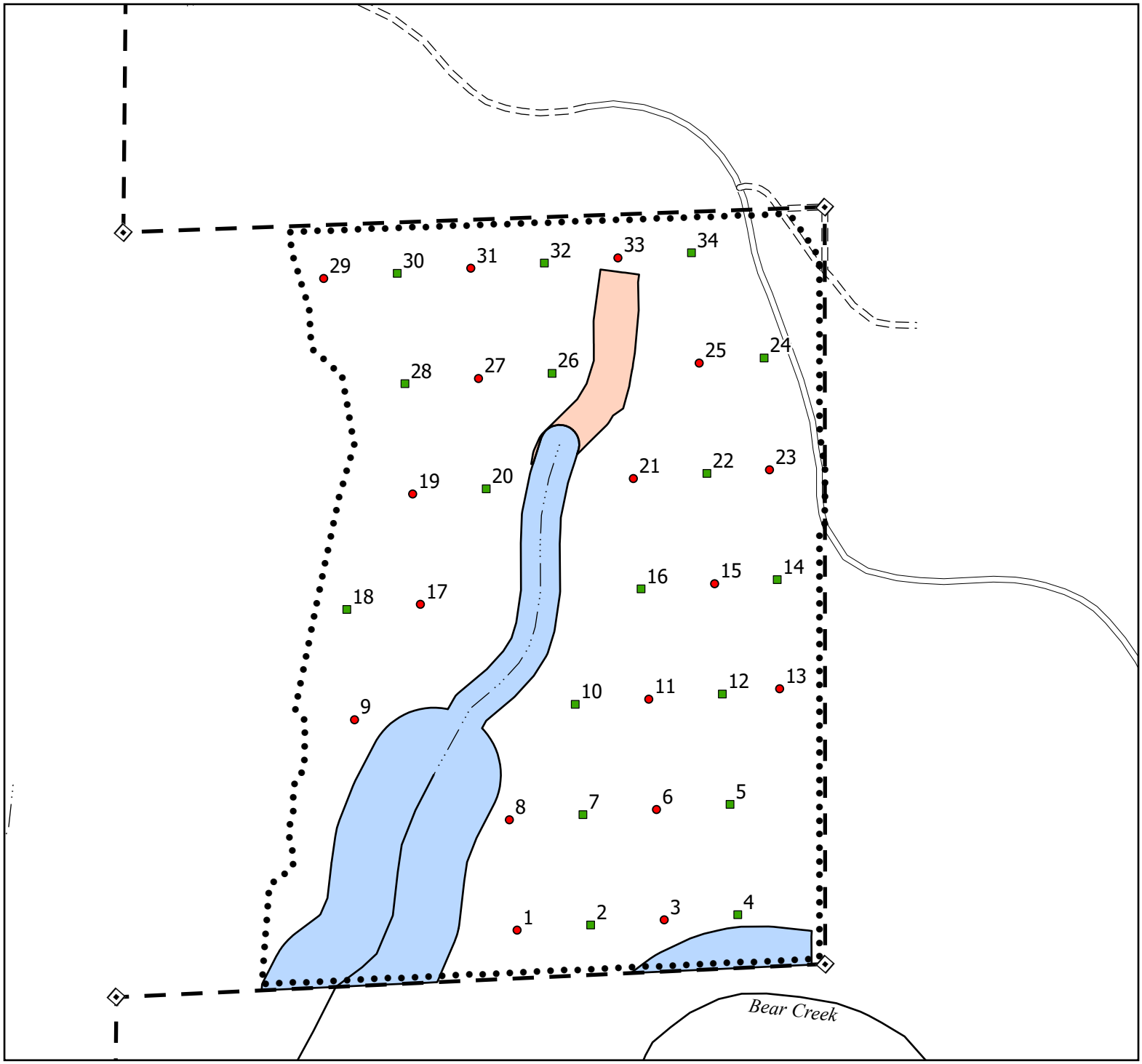
8. **Standard Field Procedures:** Plot Type Cruises: Mark cruise line beginning points with red flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie red flagging above eye level near plot center and another red flagging around a sturdy wooden stake marking plot 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.

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: Steven Irving

Date: 4/05/2024



Legend

- Timber Sale Boundary
- Type F Stream
- Type N Stream
- Land Surey Monument
- Ownership
- Surfaced Road
- Unsurfaced Road
- NHR
- NHS

Type

- Count
- Measure

Cruise Map
All Terrain Unit 1

Unit 1 - 2x3 Chain Spacing
40 BAF
Line Bearing 90 and 270

1:3,000

AREA	GROSS ACRES	NET ACRES
1 (MC)	27	20
2 (MC)	23	20
3 (MC)	7	3
TOTAL	57	43

0 250 500 1,000 US Feet

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: __All Terrain__ **Area** 2 and 3

Harvest Type: MC Net BF 883 Net BF
Approx. Cruise Acres: 23 **Estimated CV%** 50 /Acre **SE% Objective** 10 /Acre

Planned Sale Volume: 0.883 MMBF **Estimated Sale Area Value/Acre:** $ 21,120

A. Cruise Goals: (a) Grade minimum 50 conifer and ____ hardwood trees: (b) Sample 29 cruise plots (16 grade: 13 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 40 Full point
Cruise Line Direction(s) 90 and 270
Cruise Line Spacing 4, 264 (units 2) and 2, 132 (unit 3) (chains) (feet)
Cruise Plot Spacing 2, 132 (units 2) and 2, 132 (unit 3) (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 5", 7" 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: (1) Measure or estimate a 16' form factor for every conifer tree measured/graded; OR (2) Measure a minimum of 20 form factors for each major conifer species on the cruise area, and use these to calculate average FF for the species on the cruise. Hardwood form factors are a Standard 87.

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

hardwoods, it's 8'. Maximum segment length is 40'. One foot of trim is assumed for each merch. 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.

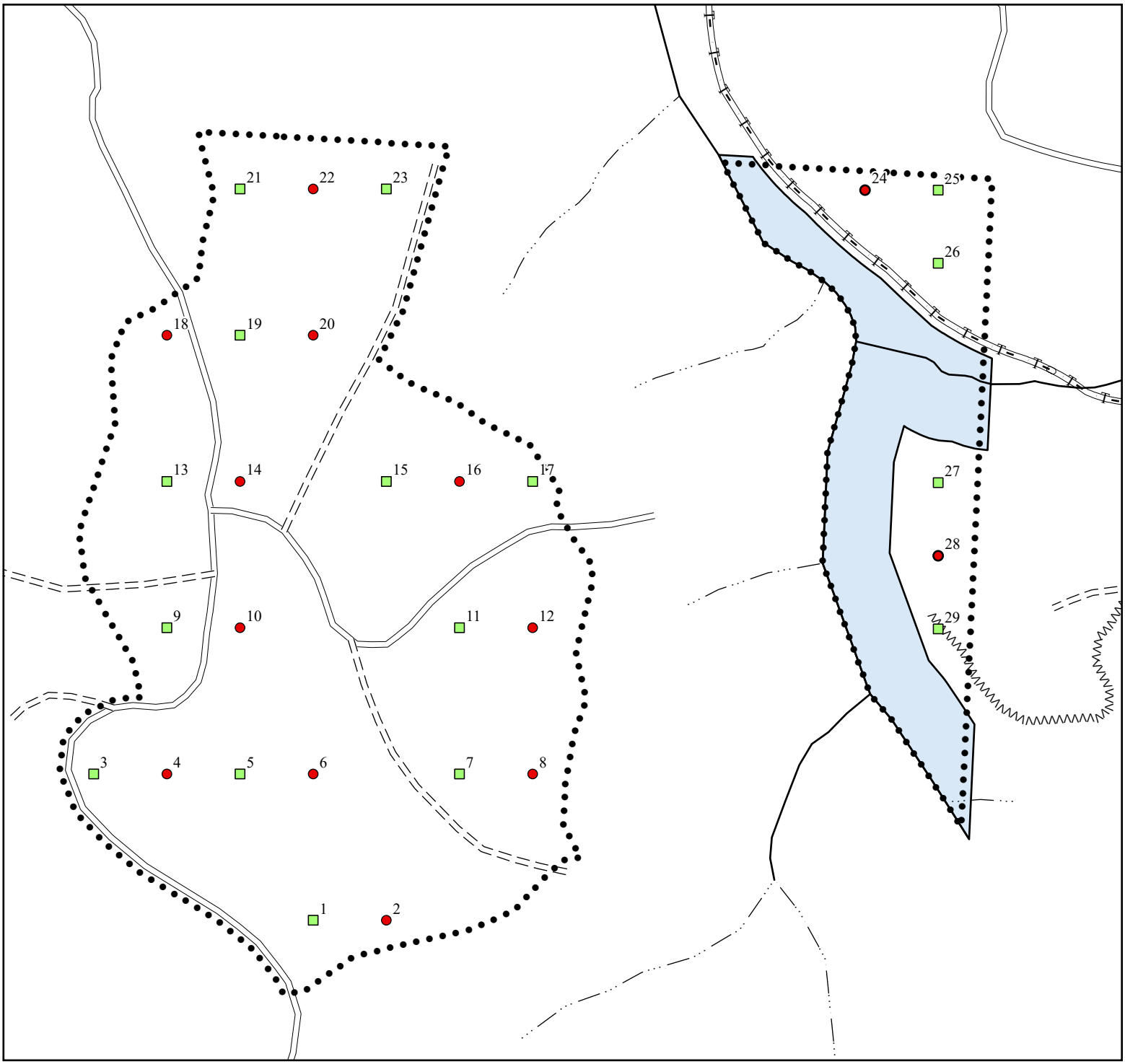
8. **Standard Field Procedures:** Plot Type Cruises: Mark cruise line beginning points with red flagging. Write plot identification numbers and line direction on the ribbon. At each plot, tie red flagging above eye level near plot center and another red flagging around a sturdy wooden stake marking plot 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.

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: Steven Irving

Date: 3/4/2024



Legend

- Count
- Measure
- Timber Sale Boundary
- Type F Stream
- Type N Stream
- Surfaced Road
- Unsurfaced Road
- Old Road Bed, Undrivable
- Stream Buffer

Cruise Map
All Terrain Units 2 and 3

Unit 2 - 2x4 Chain Grid
Unit 3 - 2x2 Chain Grid
40 BAF
Line Bearing 90 and 270

AREA	GROSS ACRES	NET ACRES
1 (MC)	27	20
2 (MC)	23	20
3 (MC)	7	3
TOTAL	57	43

1:3,000

0 250 500 1,000 US Feet

STATISTICS

PROJECT ALLTERR

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09W	15	UNIT 1	00MC	21.00	33	237	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	33	237	7.2		
CRUISE	17	114	6.7	1,914	6.0
DBH COUNT					
REFOREST					
COUNT	16	121	7.6		
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	87	60.2	26.0	104	43.5	221.8	57,279	56,644	11,823	11,823
SNAG	11	17.3	18.3	53	7.4	31.5				
R ALDER	5	11.0	18.0	54	4.6	19.4	1,612	1,532	527	527
D-WILDLI	6	.5	56.0	137	1.1	8.5	2,749	2,637	462	462
BL MAPLE	5	2.1	22.8	56	1.3	6.1	518	494	168	168
TOTAL	*114*	*91.1*	*24.0*	*87*	*58.6*	*287.3*	*62,157*	*61,307*	*12,980*	*12,980*

CONFIDENCE LIMITS OF THE SAMPLE

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

SAMPLE TREES - BF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF	68.6	7.3	1,346	1,453	1,560			
SNAG								
R ALDER	63.9	31.8	89	130	171			
D-WILDLI	44.7	19.9	4,743	5,922	7,100			
BL MAPLE	53.6	26.6	182	248	314			
TOTAL	*109.4*	*10.2*	*1,290*	*1,437*	*1,584*	*478*	*120*	*53*

SAMPLE TREES - CF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF	59.7	6.4	270	289	307			
SNAG								
R ALDER	58.5	29.1	33	46	59			
D-WILDLI	42.8	19.1	843	1,042	1,240			
BL MAPLE	46.7	23.2	71	93	114			
TOTAL	*96.7*	*9.0*	*256*	*281*	*307*	*373*	*93*	*41*

TREES/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	85.2	14.8	51	60	69			
SNAG	136.0	23.7	13	17	21			
R ALDER	186.7	32.5	7	11	15			
D-WILDLI	365.7	63.6	0	0	1			
BL MAPLE	376.0	65.4	1	2	4			
TOTAL	*57.8*	*10.1*	*82*	*91*	*100*	*133*	*33*	*15*

BASAL AREA/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	76.0	13.2	193	222	251			
SNAG	126.0	21.9	25	32	38			
R ALDER	186.8	32.5	13	19	26			
D-WILDLI	348.8	60.7	3	8	14			
BL MAPLE	373.4	64.9	2	6	10			
TOTAL	*52.0*	*9.1*	*261*	*287*	*313*	*108*	*27*	*12*

STATISTICS

PROJECT ALLTERR

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09W	15	UNIT 1	00MC	21.00	33	237	1	W

CL: 68.1 % COEFF VAR. SD: 1.0 S.E.%

NET BF/ACRE

LOW AVG HIGH

OF PLOTS REO. 5 10 15

INF. POP.

	VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REO. 5	10	INF. POP. 15
DF	75.1	13.1	49,243	56,644	64,044			
SNAG								
R ALDER	196.5	34.2	1,009	1,532	2,056			
D-WILDLI	350.7	61.0	1,029	2,637	4,246			
BL MAPLE	442.0	76.9	114	494	873			
TOTAL	*66.6*	*11.6*	*54,202*	*61,307*	*68,412*	*177*	*44*	*20*

CL: 68.1 % COEFF VAR. SD: 1.0 S.E.%

NET CUFT FT/ACRE

LOW AVG HIGH

OF PLOTS REO. 5 10 15

INF. POP.

	VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REO. 5	10	INF. POP. 15
DF	75.6	13.2	10,268	11,823	13,378			
SNAG								
R ALDER	192.6	33.5	351	527	704			
D-WILDLI	349.9	60.8	181	462	744			
BL MAPLE	431.1	75.0	42	168	294			
TOTAL	*64.0*	*11.1*	*11,536*	*12,980*	*14,424*	*163*	*41*	*18*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALLTERR

Date 6/18/2024

Time 4:43:29PM

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	09W	15	UNIT_1	00MC	21.00	33	116	1	W

T11S R09W S15 T00MC

Spp	ST	Sort	Grad	Gra	% 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		DO	1S		3	4.0	2,311	2,219	47				100				100	40	31	1714	7.76	1.3
DF		DO	2M		85	1.0	48,551	48,045	1,009			24	76	1	1	2	97	39	18	532	2.74	90.3
DF		DO	3M		10	.5	5,673	5,641	118		94	0	5	3	14	14	70	35	9	113	0.92	49.8
DF		DO	4M		2	.9	745	738	16	27	73			75	20	5		18	7	25	0.46	29.9
DF	**Totals**				92	1.1	57,279	56,644	1,190	0	10	21	69	2	2	3	93	34	13	331	2.03	171.3
RA		DO	CR		100	4.9	1,612	1,532	32		74	26		2	10		89	32	8	92	0.99	16.6
RA	**Totals**				2	4.9	1,612	1,532	32		74	26		2	10		89	32	8	92	0.99	16.6
DF		DO	1S		20	3.9	566	544	11				100				100	40	36	2368	9.86	.2
DF		DO	2M		24	.3	625	623	13			6	94		5	6	90	38	22	922	4.37	.7
DF		DO	3M		56	5.6	1,558	1,470	31				100		2		98	38	34	2249	10.32	.7
DFW	**Tota**				4	4.1	2,749	2,637	55			1	99		2	1	96	38	29	1692	7.71	1.6
BM		DO	CR		100	4.6	518	494	10	3	29	49	18	5	27		68	28	9	120	1.46	4.1
BM	**Totals**				1	4.6	518	494	10	3	29	49	18	5	27		68	28	9	120	1.46	4.1
Type Totals						1.4	62,157	61,307	1,287	0	12	20	68	2	3	3	93	34	13	317	1.98	193.6

T TSTNDSUM

Stand Table Summary

Project **ALLTERR**

T11S R09W S15 T00MC

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	15	UNIT_1	00MC	21.00	33	116

Date: 06/18/202

Time: 4:43:29PM

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		13	1	93	66	2.766	2.55									
DF		15	2	90	110	4.155	5.10	12.47	17.5	70.0		218	873		46	18
DF		16	1	82	68	1.826	2.55	1.83	34.0	100.0		62	183		13	4
DF		17	3	89	107	4.853	7.65	12.94	22.4	80.0		290	1,035		61	22
DF		18	1	85	120	1.443	2.55	4.33	28.0	90.0		121	390		25	8
DF		19	3	88	137	3.885	7.65	11.65	34.6	138.9		403	1,619		85	34
DF		20	2	88	129	2.337	5.10	7.01	37.3	148.3		262	1,040		55	22
DF		21	3	88	129	3.180	7.65	9.54	40.9	165.6		390	1,579		82	33
DF		22	2	87	137	1.932	5.10	5.80	45.5	195.0		264	1,130		55	24
DF		23	3	86	121	2.651	7.65	6.19	56.3	228.6		348	1,414		73	30
DF		24	3	90	128	2.435	7.65	6.49	58.4	255.0		379	1,656		80	35
DF		25	2	88	156	1.496	5.10	5.24	58.7	275.7		307	1,444		65	30
DF		26	7	88	139	4.841	17.85	14.52	66.8	298.1		970	4,329		204	91
DF		27	5	88	143	3.206	12.75	9.62	72.3	330.7		696	3,181		146	67
DF		28	3	88	142	1.789	7.65	5.37	70.4	338.9		378	1,819		79	38
DF		29	1	87	127	.556	2.55	1.67	58.3	273.3		97	456		20	10
DF		30	2	87	133	1.039	5.10	3.12	84.2	388.3		262	1,210		55	25
DF		31	3	87	154	1.459	7.65	4.86	90.8	443.0		442	2,155		93	45
DF		32	9	88	157	4.109	22.95	14.15	96.4	485.5		1,365	6,870		287	144
DF		33	3	88	150	1.288	7.65	4.29	101.0	516.0		434	2,215		91	47
DF		34	2	88	167	.809	5.10	2.83	110.3	564.3		312	1,597		66	34
DF		35	6	88	154	2.290	15.30	7.25	118.2	610.5		857	4,427		180	93
DF		36	3	89	161	1.082	7.65	3.61	117.8	640.0		425	2,308		89	48
DF		37	2	91	172	.683	5.10	2.73	121.1	696.2		331	1,902		69	40
DF		38	5	86	158	1.619	12.75	5.50	135.3	716.5		745	3,943		156	83
DF		39	1	91	181	.307	2.55	1.23	143.0	822.5		176	1,011		37	21
DF		40	1	82	144	.292	2.55	.88	152.0	743.3		133	652		28	14
DF		41	2	87	156	.556	5.10	1.67	174.0	876.7		290	1,463		61	31
DF		42	1	89	157	.265	2.55	.80	190.3	993.3		151	790		32	17
DF		44	1	88	172	.241	2.55	.97	172.5	977.5		167	944		35	20
DF		47	2	87	161	.423	5.10	1.27	207.0	1138.3		263	1,445		55	30
DF		48	1	84	163	.203	2.55	.81	184.0	990.0		149	803		31	17
DF		52	1	86	147	.173	2.55	.69	198.0	1102.5		137	762		29	16
DF		Totals	87	88	132	60.187	221.82	171.31	69.0	330.7		11,823	56,644		2,483	1,190
DF		42	1	92	200	.147	1.41	.59	186.0	1087.5		109	639		23	13
DF		52	1	86	143	.096	1.41	.19	215.5	1155.0		41	221		9	5
DF		56	1	88	193	.083	1.41	.33	297.5	1792.5		98	593		21	12
DF		63	1	90	148	.065	1.41	.13	436.0	2300.0		57	300		12	6
DF		64	1	89	160	.063	1.41	.19	449.3	2486.7		85	472		18	10
DF		78	1	88	165	.043	1.41	.13	554.7	3213.3		71	411		15	9
DFW		Totals	6	89	173	.497	8.48	1.56	296.6	1691.8		462	2,637		97	55
RA		16	1	86	91	2.778	3.88	5.56	27.0	90.0		150	500		32	11
RA		17	1	86	69	2.461	3.88	4.92	25.5	80.0		125	394		26	8
RA		18	1	86	90	2.195	3.88	4.39	35.5	105.0		156	461		33	10
RA		20	2	86	37	3.556	7.76	1.78	54.0	100.0		96	178		20	4
RA		Totals	5	86	68	10.990	19.39	16.65	31.7	92.1		527	1,532		111	32
BM		17	1	86	54	.769	1.21	1.54	19.5	70.0		30	108		6	2
BM		20	1	87	87	.556	1.21	1.11	42.5	130.0		47	144		10	3
BM		23	1	87	71	.420	1.21	.84	49.0	155.0		41	130		9	3
BM		32	1	87	61	.217	1.21	.43	79.5	215.0		35	93		7	2

T TSTNDSUM

Stand Table Summary

Project **ALLTERR**

T11S R09W S15 T00MC

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	**09W**	**15**	**UNIT_1**	**00MC**	21.00	33	116

Date: **06/18/202**

Time: **4:43:29PM**

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
BM		35	1	86	47	.181	1.21	.18	82.0	100.0		15	18		3	0
BM		Totals	5	87	66	2.143	6.06	4.10	40.9	120.3		168	494		35	10
SN		12	1	86	79	3.648	2.87									
SN		13	1	86	70	3.108	2.87									
SN		15	1	87	41	2.335	2.87									
SN		16	1	87	51	2.052	2.87									
SN		17	1	86	132	1.818	2.87									
SN		20	1	87	80	1.313	2.87									
SN		24	1	86	82	.912	2.87									
SN		26	1	86	62	.777	2.87									
SN		28	1	99	61	.670	2.87									
SN		34	1	86	90	.454	2.87									
SN		48	1	86	111	.228	2.87									
SN		Totals	11	87	74	17.315	31.52									
Totals			114	88	112	91.132	287.27	193.62	67.0	316.6		12980	61,307		2,726	1,287

T TLOGSTVB

Log Stock Table - MBF

Project: ALLTERR

T11S R09W S15 T00MC

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	15	UNIT_1	00MC	21.00	33	116

Page 1
Date 6/18/2024
Time 4:43:28PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-1	12-1	14-15	16-19	20-23	24-29	30-3	40+
DF		DO	1S	40	49	4.0	47	3.9											47	
DF		DO	2M	12	0		0	.0							0					
DF		DO	2M	14	0		0	.0						0						
DF		DO	2M	16	1		1	.1						1						
DF		DO	2M	18	1		1	.1						1						
DF		DO	2M	20	2		2	.2						1	1					
DF		DO	2M	24	3	11.8	3	.2						3						
DF		DO	2M	30	5		5	.4						2	1	2				
DF		DO	2M	32	18		18	1.5						8	4	2	3			
DF		DO	2M	34	3		3	.3						1	2					
DF		DO	2M	36	11	8.2	10	.9							3			7		
DF		DO	2M	38	9	1.6	9	.7						5		3				
DF		DO	2M	40	966	1.0	957	80.4						55	109	267	237	253	36	
DF		DO	3M	14	1		1	.1					0		0					
DF		DO	3M	16	1		1	.1				0	1							
DF		DO	3M	20	1		1	.1					1							
DF		DO	3M	24	1		1	.1					1							
DF		DO	3M	26	6		6	.5				1	1						4	
DF		DO	3M	28	4		4	.3				1	3							
DF		DO	3M	30	7		7	.6			2	3	2							
DF		DO	3M	32	8	1.8	8	.7			3	2	1				2			
DF		DO	3M	34	8		8	.7			1	6	1							
DF		DO	3M	36	6	3.1	6	.5			1	2	3							
DF		DO	3M	38	10	3.3	10	.8			1	1	7							
DF		DO	3M	40	67		67	5.7			4	18	45							
DF		DO	4M	12	2	5.6	2	.2		0	0		1							
DF		DO	4M	14	2		2	.2		1	1		0							
DF		DO	4M	16	3		3	.3		2		2								
DF		DO	4M	18	2		2	.1				2								
DF		DO	4M	20	2		2	.2			2	1								
DF		DO	4M	24	1		1	.1			1									
DF		DO	4M	26	1		1	.1			1									
DF		DO	4M	28	1		1	.1		1										
DF		DO	4M	31	1		1	.1		1										
DF		Totals			1,203	1.1	1,190	92.4		4	18	38	67	78	121	275	242	260	87	
RA		DO	CR	12	1		1	1.6			1									
RA		DO	CR	26	2		2	5.4			2									
RA		DO	CR	28	1		1	4.3			1									
RA		DO	CR	40	30	5.5	29	88.7				4	17	8						
RA		Totals			34	4.9	32	2.5			4	4	17	8						
DF		DO	1S	40	12	3.9	11	20.6											6	6
DF		DO	2M	28	1	7.0	1	1.1										1		
DF		DO	2M	34	1		1	1.3							1					
DF		DO	2M	40	12		12	21.2								1	3	5	4	
DF		DO	3M	28	1		1	1.2								1				
DF		DO	3M	40	32	5.7	30	54.6									1	2	11	15
DFW		Totals			58	4.1	55	4.3							1	2	4	7	21	21
BM		DO	CR	14	0	50.0	0	.4			0									

T TLOGSTVB

Log Stock Table - MBF

Project: ALLTERR

T11S R09W S15 T00MC **T11S R09W S15 T00MC**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	15	UNIT_1	00MC	21.00	33	116

Date 6/18/2024

Time 4:43:28PM

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	30-35	40+
BM		DO	CR	16	0		0	3.1		0										
BM		DO	CR	20	0		0	1.7			0									
BM		DO	CR	28	2		2	18.7					2							
BM		DO	CR	30	1	4.3	1	8.2			0		0							
BM		DO	CR	40	7	5.6	7	67.9						3	3	2				
BM		Totals			11	4.6	10	.8		0	1		2	3	3	2				
Total All Species					1,305	1.4	1,287	100.0		4	22	42	86	89	124	278	246	267	107	21

STATISTICS

PROJECT ALLTERR

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09W	15	U2 U3	00MC	22.00	27	162	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	27	162	6.0		
CRUISE	14	84	6.0	1,378	6.1
DBH COUNT					
REFOREST					
COUNT	13	77	5.9		
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	77	58.9	26.5	99	43.8	225.2	57,419	57,152	11,765	11,765
D-WILDLI	6	1.0	43.8	115	1.6	10.4	2,075	2,025	378	378
BL MAPLE	1	2.7	10.0	30	0.5	1.5	109	109	30	30
TOTAL	*84*	*62.6*	*26.3*	*97*	*46.2*	*237.0*	*59,602*	*59,286*	*12,174*	*12,174*

CONFIDENCE LIMITS OF THE SAMPLE

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

SAMPLE TREES - BF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF	60.3	6.9	1,386	1,488	1,590			
D-WILDLI	30.2	13.5	1,859	2,148	2,438			
BL MAPLE								
TOTAL	*59.6*	*6.5*	*1,419*	*1,518*	*1,617*	*142*	*35*	*16*

SAMPLE TREES - CF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DF	53.2	6.1	278	296	314			
D-WILDLI	22.8	10.2	356	396	436			
BL MAPLE								
TOTAL	*52.6*	*5.7*	*283*	*300*	*317*	*111*	*28*	*12*

TREES/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	58.1	11.4	52	59	66			
D-WILDLI	229.3	44.9	1	1	1			
BL MAPLE	519.6	101.9		3	5			
TOTAL	*66.0*	*12.9*	*55*	*63*	*71*	*181*	*45*	*20*

BASAL AREA/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	39.5	7.7	208	225	243			
D-WILDLI	202.8	39.7	6	10	14			
BL MAPLE	519.6	101.9		1	3			
TOTAL	*38.6*	*7.6*	*219*	*237*	*255*	*62*	*15*	*7*

NET BF/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	38.9	7.6	52,792	57,152	61,512			
D-WILDLI	230.6	45.2	1,110	2,025	2,941			
BL MAPLE	519.6	101.9		109	219			
TOTAL	*37.0*	*7.2*	*54,988*	*59,286*	*63,583*	*57*	*14*	*6*

NET CUFT FT/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DF	38.1	7.5	10,888	11,765	12,643			
D-WILDLI	230.7	45.2	207	378	550			

STATISTICS

PROJECT ALLTERR

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	09W	15	U2 U3	00MC	22.00	27	162	1	W

CL: 68.1 %
SD: 1.0

	COEFF VAR.	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REO. 5	10	INF. POP. 15
BL MAPLE	519.6	101.9		30	60			
TOTAL	*36.9*	*7.2*	*11,292*	*12,174*	*13,055*	*57*	*14*	*6*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALLTERR

Date 6/18/2024

Time 4:39:10PM

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	09W	15	U2_U3	00MC	22.00	27	85	1	W

T11S R09W S15 T00MC

Spp	ST	Sort	Grad	Gra	% 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		DO	1S		1		1,039	1,039	23				100				100	40	30	1707	7.37	.6
DF		DO	2M		90	.5	51,528	51,261	1,128		0	20	80		2	4	94	39	18	573	2.87	89.5
DF		DO	3M		7		4,122	4,122	91		98	2		3	15	15	66	35	9	106	0.94	39.0
DF		DO	4M		2		729	729	16	37	60	3		50	50			20	7	29	0.44	25.2
DF	**Totals**				96	.5	57,419	57,152	1,257	0	8	18	74	1	4	4	91	35	14	370	2.18	154.3
DF		DO	2M		73	1.6	1,508	1,485	33			3	97	1	16	13	69	34	23	878	4.53	1.7
DF		DO	3M		26	4.6	562	536	12		7	8	85			7	93	37	19	728	4.17	.7
DF		DO	4M		1		5	5	0		100			100				12	7	20	0.58	.3
DFW	**Tota**				3	2.4	2,075	2,025	45		2	4	93	1	12	12	75	33	20	754	4.28	2.7
BM		DO	CR		100		109	109	2		100				100			30	6	40	0.37	2.7
BM	**Totals**				0		109	109	2		100				100			30	6	40	0.37	2.7
Type Totals						.5	59,602	59,286	1,304	0	8	18	74	1	4	5	91	35	14	371	2.18	159.7

T TSTNDSUM

Stand Table Summary

Project **ALLTERR**

T11S R09W S15 T00MC

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	15	U2_U3	00MC	22.00	27	85

Page: 1
Date: 06/18/202
Time: 4:39:10PM

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		8	1	84	52	8.378	2.92	8.38	7.0	30.0		59	251		13	6
DF		16	2	87	110	4.189	5.85	6.28	22.3	86.7		140	545		31	12
DF		19	2	88	118	2.971	5.85	7.43	36.6	138.0		272	1,025		60	23
DF		20	1	88	114	1.340	2.92	4.02	32.0	113.3		129	456		28	10
DF		22	2	86	129	2.216	5.85	5.54	41.2	160.0		228	886		50	19
DF		23	6	89	138	6.082	17.55	18.24	51.3	219.4		937	4,004		206	88
DF		25	7	87	144	6.005	20.47	18.02	56.7	252.9		1,022	4,556		225	100
DF		26	3	89	149	2.380	8.77	5.55	63.1	280.0		351	1,555		77	34
DF		27	3	88	153	2.207	8.77	7.36	68.5	323.0		504	2,376		111	52
DF		28	3	91	155	2.052	8.77	6.84	76.4	384.0		523	2,626		115	58
DF		29	5	87	146	3.188	14.62	10.84	74.5	353.5		808	3,832		178	84
DF		30	3	90	129	1.787	8.77	4.77	95.0	468.8		453	2,234		100	49
DF		31	3	88	153	1.674	8.77	5.02	98.9	482.2		497	2,422		109	53
DF		32	4	89	152	2.095	11.70	6.81	99.8	505.4		679	3,440		149	76
DF		33	3	89	159	1.477	8.77	4.92	107.8	567.0		531	2,792		117	61
DF		34	7	87	153	3.247	20.47	10.20	111.0	559.5		1,133	5,710		249	126
DF		35	2	87	152	.875	5.85	3.06	106.7	557.1		327	1,707		72	38
DF		36	3	88	144	1.241	8.77	3.72	125.1	645.6		466	2,404		102	53
DF		37	3	88	155	1.175	8.77	3.92	129.3	698.0		506	2,734		111	60
DF		38	2	87	139	.743	5.85	2.23	129.8	676.7		289	1,508		64	33
DF		39	2	88	155	.705	5.85	2.12	159.0	861.7		336	1,823		74	40
DF		40	2	85	150	.670	5.85	2.01	140.2	751.7		282	1,511		62	33
DF		41	2	88	155	.638	5.85	2.23	150.1	792.9		335	1,770		74	39
DF		42	1	85	138	.304	2.92	.91	164.3	806.7		150	736		33	16
DF		43	1	88	142	.290	2.92	.87	180.0	953.3		157	829		34	18
DF		44	2	87	146	.554	5.85	1.66	191.2	941.7		318	1,565		70	34
DF		47	1	85	152	.243	2.92	.73	220.3	1126.7		160	820		35	18
DF		52	1	92	153	.198	2.92	.59	295.3	1743.3		176	1,037		39	23
DF		Totals	77	87	128	58.923	225.19	154.28	76.3	370.5		11,765	57,152		2,588	1,257
DF		35	1	89	148	.259	1.73	1.03	97.0	505.0		100	523		22	11
DF		42	1	87	148	.180	1.73	.54	132.3	730.0		71	393		16	9
DF		44	1	86	121	.164	1.73	.33	150.5	740.0		49	242		11	5
DF		45	1	88	166	.156	1.73	.47	125.3	716.7		59	336		13	7
DF		46	1	87	136	.150	1.73	.15	347.0	1700.0		52	255		11	6
DF		62	1	86	153	.082	1.73	.16	283.0	1675.0		47	276		10	6
DFW		Totals	6	87	145	.991	10.37	2.69	140.9	754.3		378	2,025		83	45
BM		10	1	86	55	2.716	1.48	2.72	11.0	40.0		30	109		7	2
BM		Totals	1	86	55	2.716	1.48	2.72	11.0	40.0		30	109		7	2
Totals			84	87	125	62.630	237.04	159.68	76.2	371.3		12174	59,286		2,678	1,304

T TLOGSTVB

Log Stock Table - MBF

Project: ALLTERR

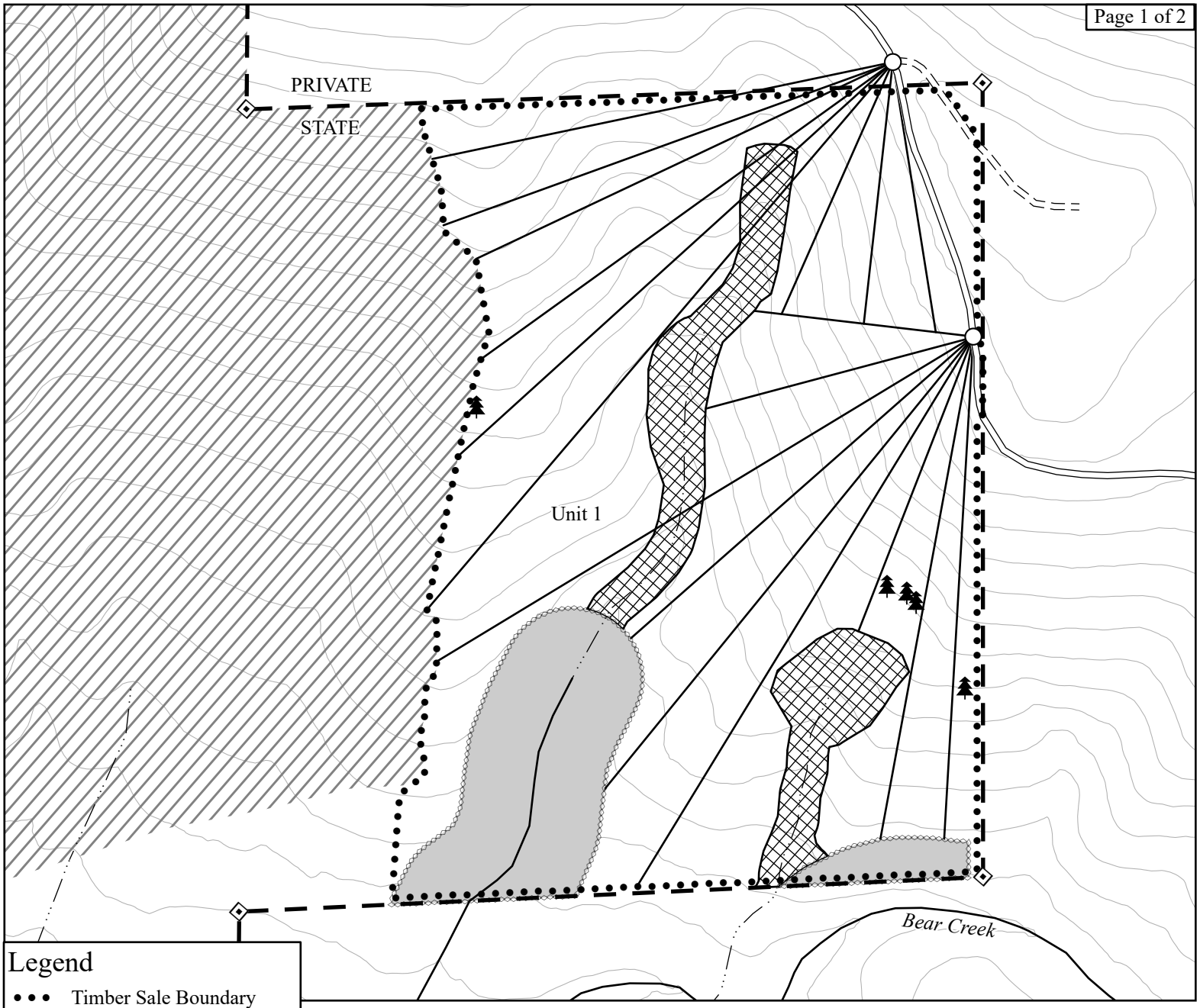
T11S R09W S15 T00MC

T11S R09W S15 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	09W	15	U2_U3	00MC	22.00	27	85

Page 1
Date 6/18/2024
Time 4:39:10PM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-1	12-1	14-15	16-19	20-23	24-29	30-3	40+
DF		DO	1S	40	23		23	1.8											23	
DF		DO	2M	28	1		1	.1						1						
DF		DO	2M	30	22		22	1.7						1	2			19		
DF		DO	2M	32	24	.4	24	1.9						7	6	7	4			
DF		DO	2M	34	16		16	1.3					1	4	1		9			
DF		DO	2M	36	1		1	.1						1						
DF		DO	2M	38	14		14	1.1							1	7	6			
DF		DO	2M	40	1,055	.5	1,050	83.5						68	59	299	275	297	38	13
DF		DO	3M	18	2		2	.2					2							
DF		DO	3M	20	1		1	.1						1						
DF		DO	3M	24	1		1	.1					1							
DF		DO	3M	26	1		1	.1					1							
DF		DO	3M	28	2		2	.1				2								
DF		DO	3M	30	10		10	.8			3	1	6							
DF		DO	3M	32	8		8	.6				1	6	1						
DF		DO	3M	34	5		5	.4				3	3							
DF		DO	3M	36	7		7	.6			1	4	1							
DF		DO	3M	38	5		5	.4				3	2							
DF		DO	3M	40	48		48	3.9			8	12	28							
DF		DO	4M	12	2		2	.2			0	0	1	0						
DF		DO	4M	14	2		2	.2		0	1	1								
DF		DO	4M	16	1		1	.1				1								
DF		DO	4M	18	1		1	.0			1									
DF		DO	4M	20	2		2	.2			1	1								
DF		DO	4M	24	2		2	.1			1	1								
DF		DO	4M	26	6		6	.5		6	1									
DF		Totals			1,263		1,257	96.4		6	17	31	52	85	70	313	293	316	61	13
DF		DO	2M	16	0	7.1	0	1.0							0					
DF		DO	2M	24	1		1	1.3						1						
DF		DO	2M	28	5		5	10.6											5	
DF		DO	2M	32	4		4	9.8												4
DF		DO	2M	38	3		3	5.9									3			
DF		DO	2M	40	20	2.4	20	44.7								3	4	13		
DF		DO	3M	34	1		1	1.9					1							
DF		DO	3M	36	1		1	2.1							1					
DF		DO	3M	40	11	5.4	10	22.4										4	6	
DF		DO	4M	12	0		0	.3			0									
DFW		Totals			46	2.4	45	3.4			0		1	1	1	3	7	17	10	4
BM		DO	CR	30	2		2	100.0			2									
BM		Totals			2		2	.2			2									
Total All Species					1,311		1,304	100.0		6	19	31	53	86	71	317	300	333	72	18



Legend

- Timber Sale Boundary
- Ownership
- Stream Buffer
- Slope Buffer
- Reforestation Area
- Surfaced Road
- Unsurfaced Road
- Type F Stream
- Type N Stream
- Cable Corridor
- Land Survey Monument
- Wildlife Tree
- Landing

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2025-W1088-01
ALL TERRAIN
PORTIONS OF SECTIONS 15 and 16, 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 in June 2024. Users of this information should review or consult the primary data and information sources to ascertain the usability of this information.

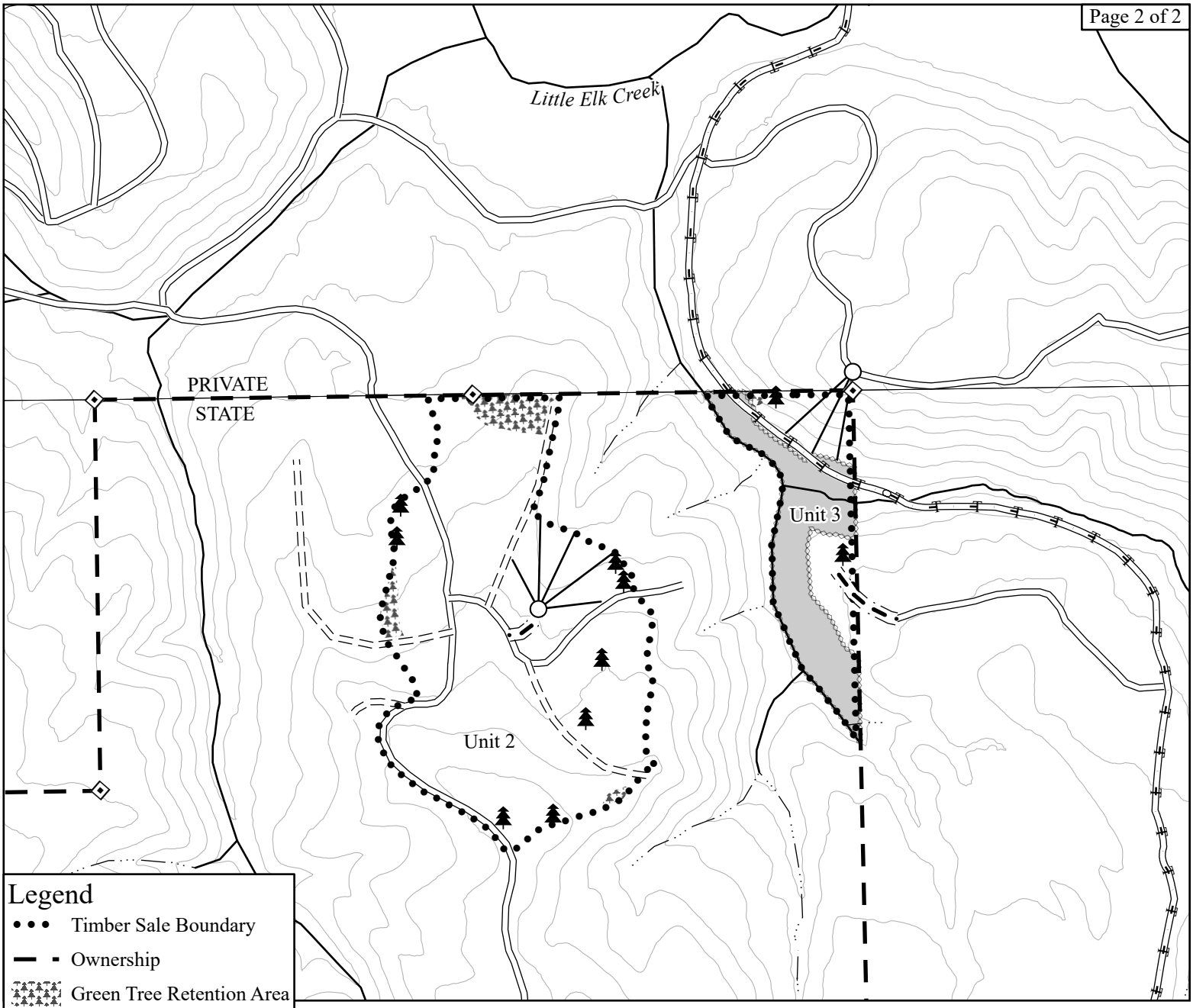
AREA	TRACTOR ACRES	CABLE ACRES
1 (MC)	2	19
2 (MC)	17	2
3 (MC)	1	2
TOTAL	20	23

Scale
1:3,000

0 250 500 1,000 Feet

N

06/17/2024



Legend

- Timber Sale Boundary
- Ownership
- Green Tree Retention Area
- Stream Buffer
- Slope Buffer
- Surfaced Road
- Unsurfaced Road
- Right-of-Way
- New Road Construction
- Type F Stream
- Type N Stream
- Fiber Optic Line
- Cable Corridor
- Wildlife Tree
- Landing
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2025-W1088-01
ALL TERRAIN
PORTIONS OF SECTIONS 15 and 16, T11S, R09W, W.M.,
LINCOLN COUNTY, OREGON

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AREA	TRACTOR ACRES	CABLE ACRES
1 (MC)	2	19
2 (MC)	17	2
3 (MC)	1	2
TOTAL	20	23

Scale
1:6,000

0 500 1,000 2,000 Feet

N

06/17/2024