"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Double Exposure

Sale WO-341-2025-001172-03

District: West Oregon

Date: February 25, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,174,948.08	$9,784.08	$1,184,732.16
		Project Work:	($71,864.00)
		Advertised Value:	$1,112,868.16

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Double Exposure
Sale WO-341-2025-001172-03

District: West Oregon **Date: February 25, 2025**

Timber Description

Location:

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	28	0	96
Alder (Red)	19	0	97

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	1,970	294	0	2,264
Alder (Red)	0	0	127	127
Total	1,970	294	127	2,391

Comments: Pond Values Used: Local Pond Values, January 2025

Western hemlock and other Conifers Stumpage Price = Pond value minus logging costs: $207.39/MBF = $525/MBF - $317.61/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
$882.39 MBF = $1200/MBF - $317.61/MBF

Bigleaf Maple and Other Hardwoods Stumpage Price = Hardwood Pulp price using a conversion factor of 10 ton/MBF: = $3.00/ton x 10 tons/MBF = $30/MBF

PULP (Conifer and Hardwood Price) = $3.00/TON

Other Costs (with Profit and Risk to be added)
Artifical Tailhold Anchor:
D7 dozer move-in cost = $950
Total Other Costs (with Profit and Risk to be added) = $950

Other Costs (No Profit and Risk to be added):
Equipment Cleaning (Invasive Species): $2500
Landing slash piling and firewood sorting: 8 Landings @ $180/ Landing = $1,080
Total Other Costs (No Profit and Risk) = $3,580

ROAD MAINTENANCE
Move-in:(Grader, Roller) $1,900
Final Road Maintenance: $11,576.32
Total Road Maintenance: $13,476.32/2,415 MBF = $5.58/MBF

SLASH DISPOSAL:
Move-In: $1,700
32 hrs for 18 acres @ $175/hr = $5,600
Total Slash Disposal = $7,300

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District: West Oregon **Date: February 25, 2025**

Logging Conditions

Combination#: 1

Douglas - Fir	85.00%
Alder (Red)	85.00%

Logging System: Cable: Medium Tower >40 - <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: 9 **bd. ft / load:** 4700

cost / mbf: $188.61

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

Combination#: 2

Douglas - Fir	15.00%
Alder (Red)	15.00%

Logging System: Shovel **Process:** Feller Buncher

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

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

loads / day: 20 **bd. ft / load:** 4600

cost / mbf: $108.70

machines: Feller Buncher w/ Delimber

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$71,864.00	**Other Costs (P/R):**	$950.00
Slash Disposal:	$7,300.00	**Other Costs:**	$3,580.00

Miles of Road

Road Maintenance: $5.58

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	3.5

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District: West Oregon

Date: February 25, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$176.62	$5.80	$3.67	$96.29	$0.40	$28.28	$3.05	$2.00	$1.50	$317.61
Alder (Red)									
$176.62	$5.75	$3.67	$183.93	$0.40	$37.04	$3.05	$2.00	$1.50	$413.96

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$836.58	$518.97	$0.00
Alder (Red)	$0.00	$491.00	$77.04	$0.00

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Double Exposure
Sale WO-341-2025-001172-03

District: West Oregon **Date: February 25, 2025**

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	2,264	$518.97	$1,174,948.08
Alder (Red)	127	$77.04	$9,784.08

Gross Timber Sale Value

Recovery: $1,184,732.16

Prepared By: Jeff Kuust **Phone:** 541-929-9161

SUMMARY OF ALL PROJECT COSTS

Sale Name: Double Exposure Date: February 2025
Time: 8:01

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

Road Segment		Length	Cost
1 to 2		89.3 sta	$22,960
3 to 4		3.1 sta	$4,277
5 to 6		7.9 sta	$6,899
7 to 8		14.0 sta	$23,489
9 to 10		33.2 sta	$1,928
11 to 12		6.1 sta	$63
13 to 14		5.3 sta	$63
15 to 16		16.3 sta	$4,308
	TOTALS	175.2 sta	$63,987

Project #2 - Roadside Brushing and Sod Removal

	Length	Cost
Brushing	2.1 mi	$2,174
Sod and Brush Removal	2.1 mi	$1,853
TOTAL		$4,027

Project #3 - Move in	Cost
Backhoe, C580 or equiv.	$500
Dozer, D-6 or equiv.	$950
Grader, Cat 14-G or equiv.	$950
Vibratory roller	$950
Road Brusher	$500
TOTAL	$3,850

GRAND TOTAL **$71,864**

Compiled by: Jeff Kuust Date 02/26/2025

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 89.3 sta
ROAD 1 to 2

EXCAVATION					Rate			
Construct landing (Sta. 83+45)	1	landing	@	$480.00	/ldg	=	$480	
						TOTAL EXCAVATION =		$480
IMPROVEMENT					Rate			
Re-open landing (Sta. 89+30) (w/ dozer)	0.5	hrs	@	$140.00	/hr	=	$70	
Shape surface (w/ grader)	89.3	sta	@	$22.69	/sta	=	$2,026	
Process Rock (w/ grader)	89.3	sta	@	$22.69	/sta	=	$2,026	
Compact surface (w/ roller)	89.3	sta	@	$17.50	/sta	=	$1,563	
Process turnout rock (w/ dozer)	0.5	sta	@	$22.69	/sta	=	$11	
Compact turnout rock (w/ roller)	0.5	sta	@	$17.50	/sta	=	$9	
						TOTAL IMPROVEMENT =		$5,705
SURFACING			Size		Rate			
Surface rock (2" lift) (Sta. 0+00 to 18+90)	210	CY	1½"-0"	@	$25.31	/CY	=	$5,315
Spot rock (Sta. 18+90 to Pt. 9)	30	CY	3"-0"	@	$23.96	/CY	=	$719
Spot rock (Sta. 18+90 to Pt. 9)	120	CY	1½"-0"	@	$25.31	/CY	=	$3,037
Surface rock (2" lift) (Pt. 9 to Sta. 89+30)	220	CY	1½"-0"	@	$25.31	/CY	=	$5,568
Landing rock (Sta. 83+45, 89+30)	70	CY	Jaw-Run	@	$22.95	/CY	=	$1,607
Turnout rock (Sta. 56+00)	20	CY	3"-0"	@	$23.96	/CY	=	$479
						TOTAL ROCK COST =		$16,725
SPECIAL PROJECTS					Rate			
Clean out culverts (inlets and outlets)	2	culverts		@	$25	ea	=	$50
						TOTAL SPECIAL PROJECTS COST =		$50

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $22,960

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 3.1 sta
ROAD 3 to 4

IMPROVEMENT				Rate				
Re-open road and landing (w/ dozer)	3.1	sta	@	$41.00	/sta	=	$127	
Shape subgrade (w/ grader)	3.1	sta	@	$22.69	/sta	=	$70	
Compact subgrade (w/ roller)	3.1	sta	@	$17.50	/sta	=	$54	
Process rock (w/ dozer)	3.1	sta	@	$22.69	/sta	=	$70	
Compact surface (w/ roller)	3.1	sta	@	$17.50	/sta	=	$54	
					TOTAL IMPROVEMENT =			$375

SURFACING			Size		Rate				
Base rock (8" lift) (Sta. 0+00 to 3+10)	140	CY	Jaw-Run	@	$22.95	/CY	=	$3,213	
Landing rock (Sta. 3+10)	30	CY	Jaw-Run	@	$22.95	/CY	=	$689	
						TOTAL ROCK COST =			$3,902

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $4,277

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 7.9 sta
ROAD 5 to 6

EXCAVATION				Rate				
Construct landing (Sta. 5+10)	1	landing	@	$480.00	/ldg	=	$480	
					TOTAL EXCAVATION =			$480
IMPROVEMENT				Rate				
Re-open road and landing (w/grader)	7.9	sta	@	$41.00	/sta	=	$324	
Shape subgrade (w/ grader)	7.9	sta	@	$22.69	/sta	=	$179	
Compact subgrade (w/ roller)	7.9	sta	@	$17.50	/sta	=	$138	
Process rock (w/ grader)	7.9	sta	@	$22.69	/sta	=	$179	
Compact surface (w/ roller)	7.9	sta	@	$17.50	/sta	=	$138	
					TOTAL IMPROVEMENT =			$958
SURFACING			Size		Rate			
Base rock (4" lift) (Sta. 0+00 to 7+90)	180	CY	3"-0"	@	$23.96	/CY	=	$4,313
Landing rock (Sta. 5+10 & Sta. 7+90)	50	CY	Jaw-Run	@	$22.95	/CY	=	$1,148
					TOTAL ROCK COST =			$5,461

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $6,899

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 14.0 sta
ROAD 7 to 8

EXCAVATION					Rate			
Remove tank trap (w/ backhoe)	0.5	hrs		@	$96.00	/hr	=	$48
						TOTAL EXCAVATION =		$48
IMPROVEMENT					Rate			
Re-open road and landings (w/ dozer)	14.5	sta		@	$41.00	/sta	=	$595
Shape subgrade (w/ grader)	14.5	sta		@	$22.69	/sta	=	$329
Compact subgrade (w/ roller)	14.5	sta		@	$17.50	/sta	=	$254
Process base rock (w/ dozer)	14.0	sta		@	$22.69	/sta	=	$318
Compact base rock (w/ roller)	14.0	sta		@	$17.50	/sta	=	$245
Process surface rock (w/ grader)	14.0	sta		@	$22.69	/sta	=	$318
Compact surface (w/ roller)	14.0	sta		@	$17.50	/sta	=	$245
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 =		$2,324
SURFACING			Size		Rate			
Base rock (8" lift) (Sta. 0+00 to 14+00)	620	CY	Jaw-Run	@	$22.95	/CY	=	$14,229
Surface rock (3" lift) (Sta. 0+00 to 14+00)	230	CY	3"-0"	@	$23.96	/CY	=	$5,511
Landing rock (Sta. 6+80 & Sta. 14+00)	60	CY	Jaw-Run	@	$22.95	/CY	=	$1,377
						TOTAL ROCK COST =		$21,117

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $23,489

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 33.2 sta
ROAD 9 to 10

IMPROVEMENT				Rate			
Re-open landing (w/ grader)	0.5 hrs		@	$125.00	/hr	=	$63
Process rock (w/ grader)	33.2 sta		@	$22.69	/sta	=	$753
Compact surface (w/ roller)	33.2 sta		@	$17.50	/sta	=	$581
					TOTAL IMPROVEMENT =		$1,397

SURFACING		Size		Rate			
Patch rock (Sta 13+70 and Sta. 20+30)	20 CY	1½"-0"	@	$25.31	/CY	=	$506
					TOTAL ROCK COST =		$506

SPECIAL PROJECTS			Rate			
Clean culvert inlet/outlet (Sta 20+30)	1 culvert	@	$25	ea	=	$25
				TOTAL SPECIAL PROJECTS COST =		$25

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $1,928

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 6.1 sta
ROAD 11 to 12

IMPROVEMENT			Rate			
Re-open landing (w/ grader)	0.5 hrs	@	$125.00	/hr	=	$63
				TOTAL IMPROVEMENT =		$63

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $63

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 5.3 sta
ROAD 13 to 14

IMPROVEMENT			Rate			
Re-open landing (w/ grader)	0.5 hrs	@	$125.00	/hr	=	$63
					TOTAL IMPROVEMENT =	$63
Compiled by:	Jeff Kuust					
Date:	Feb 26, 2025				**GRAND TOTAL =====>**	**$63**

SUMMARY OF CONSTRUCTION COST

SALE Double Exposure Project # 1 LENGTH 16.3 sta
ROAD 15 to 16

IMPROVEMENT				Rate				
Process surface (w/ grader)	16.3	sta	@	$22.69	/sta	=	$370	
Re-open landing (w/ grader)	0.5	hrs	@	$125.00	/hr	=	$63	
Process surface rock (w/ grader)	16.3	sta	@	$22.69	/sta	=	$370	
Compact surface (w/ roller)	16.3	sta	@	$17.50	/sta	=	$285	
					TOTAL IMPROVEMENT =			$1,088

SURFACING			Size		Rate				
Spot Rock (Sta. 0+00 to 16+30)	100	CY	1½"-0"	@	$25.31	/CY	=	$2,531	
Landing rock (Sta. 16+30)	30	CY	Jaw-Run	@	$22.95	/CY	=	$689	
						TOTAL ROCK COST =			$3,220

Compiled by: Jeff Kuust
Date: Feb 26, 2025

GRAND TOTAL =====> $4,308

SUMMARY OF BRUSHING COST

SALE Double Exposure Project # 2 LENGTH 2.07 Miles
ROAD All

LIGHT BRUSHING				Rate				
Pt. 9 to Pt. 10	0.63	mi	@	$880.00	/mi	=	$554	
Pt. 15 to Pt. 16	0.31	mi	@	$880.00	/mi	=	$273	
Pt. 17 to Pt. 18	0.11	mi	@	$880.00	/mi	=	$97	
Pt. 19 to Pt. 20	0.16	mi	@	$880.00	/mi	=	$141	
TOTAL LENGTH =	1.21	mi		TOTAL LIGHT BRUSHING COST =				$1,065

MEDIUM BRUSHING				Rate				
Pt. 3 to Pt. 4	0.06	mi	@	$1,200.00	/mi	=	$72	
Pt. 5 to Pt. 6	0.15	mi	@	$1,200.00	/mi	=	$180	
Pt. 7 to Pt. 8	0.27	mi	@	$1,200.00	/mi	=	$324	
Pt. 7 to Pt. 2	0.16	mi	@	$1,200.00	/mi	=	$192	
TOTAL LENGTH =	0.64	mi		TOTAL HEAVY BRUSHING COST =				$768

HEAVY BRUSHING				Rate				
Pt. 11 to Pt. 12	0.12	mi	@	$1,550.00	/mi	=	$186	
Pt. 13 to Pt. 14	0.10	mi	@	$1,550.00	/mi	=	$155	
TOTAL LENGTH =	0.22	mi		TOTAL HEAVY BRUSHING COST =				$341

BRUSHING GRAND TOTAL =====> $2,174

SOD AND DEBRIS REMOVAL				Rate				
All brushing segments	2.07	mi	@	$894.96	/mi	=	$1,853	
TOTAL LENGTH =	2.07	mi		**TOTAL SOD AND DEBRIS REMOVAL =====>**				**$1,853**

Compiled by: Jeff Kuust
Date: Feb 26, 2025

SUMMARY OF MAINTENANCE COST

'Final log haul Maintenance Cost Estimate

(Costed in appraisal, not in project costs)

SALE Double Exposure

Move-in	Grader	$	950
	Vibratory Roller	$	950

Road Segment	Length	Cost/Sta	Cost	Mileage
1 to 2	89.3 sta	$40.19	$3,588.97	1.69
3 to 4	3.1 sta	$40.19	$124.59	0.06
5 to 6	7.9 sta	$40.19	$317.50	0.15
7 to 8	14.0 sta	$40.19	$562.66	0.27
15 to 16	16.3 sta	$40.19	$655.10	0.31
Total	130.6		$5,248.82	2.47

Maintenance Rock:

	Volume	Cost/CY	Cost
1½"-0"	250	$25.31	$6,327.50

Grand Total		$	13,476.32
TS Volume	2,415	MBF	
Cost / MBF =			$5.58

NOTES:

ROAD SEGMENT	1 to 2			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	1 to 2		0+00 to 89+30			
				Volume (CY) per		Number of			
Surface rock	1 1/2"-0"	0+00 to 18+90	2	11	Station	18.9	Stations	210	284
Spot rock	1 1/2"-0"	18+90 to 69+10	n/a	10	Load	12	Loads	120	162
Spot rock	3"-0"	18+90 to 69+10	n/a	10	Load	3	Loads	30	41
Turnout rock	3"-0"	56+00	n/a	20	Turnout	1	Turnout	20	27
Surface rock	1 1/2"-0"	69+10 to 89+30	2	11	Station	20.2	Stations	220	297
Landing rock	Jaw-Run	83+45	n/a	40	Landing	1	Landing	40	54
Landing rock	Jaw-Run	89+30	n/a	30	Landing	1	Landing	30	41
Total Rock for Road Segment		1 to 2						670	905
ROAD SEGMENT	3 to 4			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	3 to 4		0+00 to 3+10			
				Volume (CY) per		Number of			
Base rock	Jaw-Run	0+00 to 3+10	8	44	Station	3.1	Stations	140	189
Landing rock	Jaw-Run	3+10	n/a	30	Landing	1	Landing	30	41
Total Rock for Road Segment		3 to 4						170	230
ROAD SEGMENT	5 to 6			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	5 to 6		0+00 to 7+90			
				Volume (CY) per		Number of			
Base rock	3"-0"	0+00 to 7+90	4	22	Station	7.9	Stations	180	243
Landing rock	Jaw-Run	5+10	n/a	20	Landing	1	Landing	20	27
Landing rock	Jaw-Run	7+90	n/a	30	Landing	1	Landing	30	41
Total Rock for Road Segment		5 to 6						230	311
ROAD SEGMENT	7 to 8			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	7 to 8		0+00 to 14+00			
				Volume (CY) per		Number of			
Base rock	Jaw-Run	0+00 to 14+00	8	44	Station	14	Stations	620	837
Surface rock	3"-0"	0+00 to 14+00	3	16.5	Station	14	Stations	230	311
Landing rock	Jaw-Run	6+80, 14+00	n/a	30	Landing	2	Landings	60	81
Total Rock for Road Segment		7 to 8						910	1229

ROAD SEGMENT	9 to 10			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	9 to 10		0+00 to 33+20			
				Volume (CY) per		Number of			
Patch rock	1 1/2"-0"	13+70, 20+30	n/a	10	Load	2	Loads	20	27
Total Rock for Road Segment		9 to 10						20	27
ROAD SEGMENT	15 to 16			POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)	TOTAL VOLUME (TONS)
Application	Rock Size and Type	Location	Depth of Rock (inches)	15 to 16		0+00 to 16+30			
				Volume (CY) per		Number of			
Spot rock	1 1/2"-0"	0+00 to 16+30	n/a	10	Load	10	Loads	100	135
Landing rock	Jaw-Run	16+30	n/a	30	Landing	1	Landing	30	41
Total Rock for Road Segment		15 to 16						130	176
ROCK CONVERSION FACTORS									
Size	1 1/2"-0"	3"-0"	Jaw-Run						
Tons/CY	1.35	1.35	1.35						
Total Rock Volumes For Projects									
Rock Size	1 1/2"-0"	3"-0"	Jaw-Run						
Rock Totals CY	670	460	1000						
Rock Totals TONS	905	621	1350						

Rock Haul Cost Computation

SALE NAME: Double Exposure DATE: Feb 26, 2025
ROAD NAME: Highway 20 Cutoff, Tower of Power CLASS: Medium
ROCK SOURCE: Rickard 10 CY truck
Route: Highway 20

TIME Computation:
Road speed time factors:

1.	55 MPH		MRT	0.0	minutes
2.	50 MPH	28.2	MRT	33.8	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	1.7	MRT	5.1	minutes
9.	15 MPH	2.6	MRT	10.4	minutes
10.	10 MPH	0.4	MRT	2.4	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)		52.20	minutes
Operator efficiency correction	0.85	61.41	minutes
Job efficiency correction	0.90	68.23	minutes
Truck capacity (CY)	10.00	6.82	min/CY
Loading time, delay time per CY		0.25	min/CY
TIME (minutes) per cubic yard		7.07	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	$11.81	/CY

Size	Cost/Yd (Pit)	Cost Delivered w/o processing
1½" - 0"	$ 13.50	$25.31
3" - 0"	$ 12.15	$23.96
Jaw-Run	$ 11.14	$22.95

TIMBER CRUISE REPORT

Double Exposure
(WO-341-2025-W01172-03)
FY 2025

1. **Sale Area Location**: Portions of Sections 15, 22, and 23, T11S, R08W, W.M., Lincoln, Oregon.

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

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	Clearcut	86	21	0	3	2	60	GIS
Total		86	21	0	3	2	60	GIS

4. **Cruisers and Cruise Dates:** The sale was cruised by Steven Irving and Isabelle Doan in October and November of 2024.

5. **Cruise Method and Computation:** The sale consists of one unit. Unit 1 is a clearcut that was cruised using variable radius plot sampling on a 4 x 4 chain grid using a 40 BAF prism factor. A total of 45 plots were taken in Unit 1 with 23 grade plots and 22 count plots.

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

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

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

7. **Timber Description:** Timber in Unit 1 includes 60 acres of predominately 83-year-old Douglas-fir with some scattered bigleaf maple and red alder. The average Douglas-fir to be removed is approximately 28 inches DBH, with an average height of 99 feet to a merchantable top. The average red alder is approximately 19 inches with an average height of 57 feet to a merchantable top. The average bigleaf maple is approximately 15 inches DBH, with an average height of 52 feet to a merchantable top. The average volume per acre to be harvested in the stocked areas of Unit 1 is approximately 40.3 MBF/Acre (net).

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

Unit	Target CV	Target SE	Actual CV	Actual SE
1	55%	9%	39.1	5.8

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	2365	1.3%	(31)	3%	(70)	2264
	Red Alder	132	1.1%	(1)	3%	(4)	127
	Bigleaf Maple	25	-	-	3%	(1)	24
Totals		2522	1.3%	32	3%	75	2415

Unit	Species	Ave. DBH	Net Vol.	2-Saw	3-Saw	4-Saw	Camp Run
1	Douglas-fir	28	Grade %	87%	11%	2%	-
			2264	1970	249	45	-
	Red Alder	19	Grade %	-	-	-	100%
			127	-	-	-	127
	Bigleaf Maple	15	Grade %	-	-	-	100%
			24	-	-	-	24
Totals			2415	1970	249	45	151

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

Prepared by: Jeff Kuust Date: 2/12/2025

Unit Forester: Cody Valencia Date: 2/20/25
Cody Valencia

Revised August, 2002

CRUISE DESIGN
WEST OREGON DISTRICT

Sale Name: Double Exposure **Area** All

Harvest Type: MC **Net BF:** 2,600,000
Approx. Cruise Acres: 65 **Estimated CV%** 55 /Acre **SE% Objective** 9 /Acre

Planned Sale Volume: 2.6 MMBF **Estimated Sale Area Value/Acre:** $ 20,000

A. Cruise Goals: (a) Grade minimum 100 conifer and ____ hardwood trees: (b) Sample 45 cruise plots (23 grade: 22 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, 270
   Cruise Line Spacing 4, 264 (chains) (feet)
   Cruise Plot Spacing 4, 264 (chains) (feet)
   Grade/Count Ratio 1:1

C. Tree Measurements:

1. **Diameter:** Minimum DBH to cruise is 8" for conifers and 10" for hardwoods. Record dbh to nearest ½" for trees < 16", to nearest 1" for trees 16-24", and to nearest 2" for trees > 24". If tree diameters are estimated (only estimate on variable plot cruises), then record to closest estimate.

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

3. **Top Cruise Diameter (TCD):** Minimum top inside bark for conifer is 5", 7" for hardwoods or 40 % of dob at 16' form point. Generally, use 6" outside bark for trees < 18" dbh and 40% of dob @ FP for trees > 18" dbh.

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

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

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"

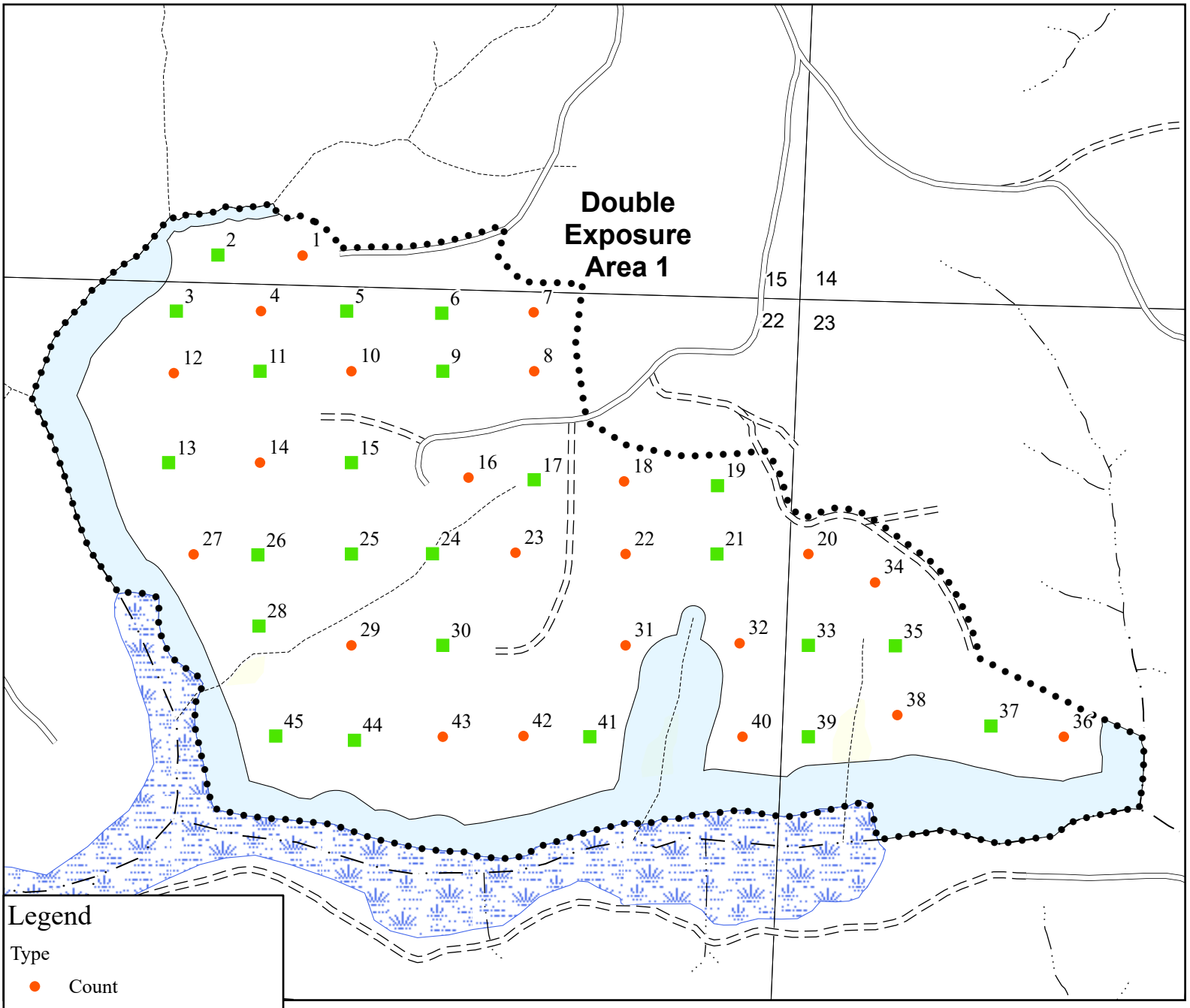
7. **Deductions:** Estimate visible defect or damage as a "length deduction" (most often), or as a "diameter deduction," as applicable. Estimate hidden defect and breakage (usually some breakage is encountered in trees > 100 feet in height) on a "per tree" basis. Steep and broken topography generally 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 (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 _____
Approved by: _____
Date: 10/31/2024



Legend

Type

- Count
- Measure
- Timber Sale Boundary
- Stream Buffer
- No Harvest - Inner Gorge
- Wetlands
- Type F Stream
- Type N Stream
- Unknown Stream
- Highway
- County Road
- Surfaced Road
- Unsurfaced Road

CRUISE MAP

DOUBLE EXPOSURE
PORTIONS OF SECTIONS 15, 22 and 23, T11S, R08W, W.M.,
LINCOLN COUNTY, OREGON

BAF: 40
Cruise Line Bearing: 90 and 270
Line Spacing: 4x4 Chains
Mark DBH with yellow paint
Mark plot center with red flagging

AREA	GROSS ACRES	NET ACRES
1 (MC)	86	65

Scale

1:5,000

0 440 880 1,760 Feet

N

10/31/2024

TC TSTATS

STATISTICS

PAGE 1

PROJECT DOUBLE E

DATE 2/25/2025

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	**08W**	**22**	**UNIT 1**	**00MC**	60.00	45	206	1	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	45	206	4.6		
CRUISE	23	103	4.5	3,000	3.4
DBH COUNT					
REFOREST					
COUNT	22	103	4.7		
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	87	35.2	28.0	99	28.5	151.1	39,393	38,897	8,011	8,011
R ALDER	9	10.6	19.2	57	4.9	21.3	2,201	2,177	689	689
D-WILDLI	5	.3	57.7	120	0.7	5.3	1,569	1,506	278	278
BL MAPLE	2	3.9	14.5	52	1.2	4.4	418	418	143	143
TOTAL	*103*	*50.0*	*25.8*	*86*	*35.8*	*182.2*	*43,580*	*42,997*	*9,121*	*9,121*

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	54.5	5.8	1,487	1,579	1,671			
R ALDER	76.5	27.0	193	264	336			
D-WILDLI	24.5	12.2	4,781	5,442	6,103			
BL MAPLE	47.1	44.1	59	105	151			
TOTAL	*78.4*	*7.7*	*1,498*	*1,623*	*1,749*	*246*	*61*	*27*

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	46.1	4.9	299	314	330			
R ALDER	61.5	21.7	63	80	97			
D-WILDLI	26.5	13.2	875	1,008	1,140			
BL MAPLE	17.4	16.3	31	37	42			
TOTAL	*69.9*	*6.9*	*300*	*322*	*344*	*195*	*49*	*22*

CL: 68.1 % COEFF — **TREES/ACRE** — # OF PLOTS REQ. — INF. POP.

SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DF	57.2	8.5	32	35	38			
R ALDER	200.9	29.9	7	11	14			
D-WILDLI	270.5	40.3	0	0	0			
BL MAPLE	344.7	51.3	2	4	6			
TOTAL	*55.8*	*8.3*	*46*	*50*	*54*	*124*	*31*	*14*

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	48.2	7.2	140	151	162			
R ALDER	202.3	30.1	15	21	28			
D-WILDLI	257.8	38.4	3	5	7			
BL MAPLE	344.4	51.3	2	4	7			
TOTAL	*34.2*	*5.1*	*173*	*182*	*192*	*47*	*12*	*5*

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	49.8	7.4	36,013	38,897	41,781			
R ALDER	205.8	30.6	1,510	2,177	2,844			
D-WILDLI	260.1	38.7	923	1,506	2,089			
BL MAPLE	352.6	52.5	198	418	637			
TOTAL	*39.1*	*5.8*	*40,492*	*42,997*	*45,503*	*61*	*15*	*7*

STATISTICS

PROJECT **DOUBLE E**

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
11S	**08W**	**22**	**UNIT 1**	**00MC**	60.00	45	206	1	W

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

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	48.7	7.3	7,430	8,011	8,591			
R ALDER	203.1	30.2	481	689	898			
D-WILDLI	260.4	38.8	170	278	386			
BL MAPLE	346.4	51.6	69	143	217			
TOTAL	*36.1*	*5.4*	*8,632*	*9,121*	*9,611*	*52*	*13*	*6*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: DOUBLE E

Date 2/25/2025

Time 10:13:05AM

T11S R08W S22 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
11S	08W	22	UNIT 1	00MC	60.00	45	103	1	W

T11S R08W S22 T00MC

Spp	ST	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		DO	2M	87	1.4	34,650	34,180	2,051		0	11	89	0	1	2	97	39	20	687	3.36	49.7
DF		DO	3M	11	.6	4,100	4,074	244		67	28	5	0	14	24	61	34	10	143	1.22	28.5
DF		DO	4M	2		643	643	39	25	63	12		33	37	24	6	23	7	35	0.52	18.3
DF	**Totals**			90	1.3	39,393	38,897	2,334	0	8	12	79	1	3	4	92	35	15	403	2.39	96.6
RA		DO	CR	100	1.1	2,201	2,177	131	2	43	30	25	6	6	12	76	30	9	111	1.18	19.7
RA	**Totals**			5	1.1	2,201	2,177	131	2	43	30	25	6	6	12	76	30	9	111	1.18	19.7
DFW		DO	2M	44	2.7	693	675	40				100				100	40	35	2275	9.96	.3
DFW		DO	3M	55	5.1	861	817	49			4	96		6	4	91	37	29	1519	7.95	.5
DFW		DO	4M	1		14	14	1				100	100				16	21	300	3.81	.0
DFW	**Totals**			4	4.0	1,569	1,506	90			2	98	1	3	2	94	37	30	1707	8.59	.9
BM		DO	CR	100		418	418	25		100			10			90	32	7	70	0.74	6.0
BM	**Totals**			1		418	418	25		100			10			90	32	7	70	0.74	6.0
Type Totals					1.3	43,580	42,997	2,580	0	11	13	76	1	3	5	91	34	13	349	2.19	123.1

TC TSTNDSUM

Stand Table Summary

Project DOUBLE E

T11S R08W S22 T00MC

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	08W	22	UNIT 1	00MC	60.00	45	103

Date: 02/25/20
Time: 10:14:35AM

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		9	1	86	59	3.932	1.74	3.93	9.0	30.0		35	118		21	7
DF		15	1	87	67	1.415	1.74	2.83	17.5	55.0		50	156		30	9
DF		17	1	86	102	1.102	1.74	3.31	21.3	80.0		71	264		42	16
DF		18	1	86	115	.983	1.74	2.95	26.3	93.3		78	275		47	17
DF		19	1	88	99	.882	1.74	1.76	38.5	120.0		68	212		41	13
DF		20	1	91	109	.796	1.74	2.39	33.7	133.3		80	318		48	19
DF		22	2	87	124	1.316	3.47	3.95	42.0	171.7		166	678		99	41
DF		24	4	88	124	2.212	6.95	6.63	50.8	214.2		337	1,421		202	85
DF		25	4	87	131	2.038	6.95	6.11	58.1	248.3		355	1,518		213	91
DF		26	3	88	139	1.413	5.21	4.24	62.6	282.2		265	1,197		159	72
DF		27	2	87	141	.874	3.47	2.62	71.3	316.7		187	830		112	50
DF		28	2	87	140	.812	3.47	2.44	74.3	325.0		181	792		109	48
DF		29	3	88	143	1.136	5.21	3.41	83.6	396.7		285	1,352		171	81
DF		30	5	88	144	1.769	8.68	5.31	90.6	432.0		481	2,293		289	138
DF		31	7	88	139	2.320	12.16	6.96	92.8	441.9		646	3,075		388	185
DF		32	6	88	152	1.866	10.42	5.91	100.5	495.8		594	2,930		356	176
DF		33	6	87	143	1.755	10.42	5.26	106.0	507.8		558	2,673		335	160
DF		34	10	88	149	2.755	17.37	8.26	117.7	596.0		972	4,926		583	296
DF		35	6	89	144	1.560	10.42	4.68	122.8	637.2		575	2,982		345	179
DF		36	2	89	155	.491	3.47	1.47	132.5	683.3		195	1,007		117	60
DF		37	4	88	151	.930	6.95	2.79	130.8	692.5		365	1,933		219	116
DF		38	8	88	148	1.764	13.90	5.51	137.9	724.4		760	3,994		456	240
DF		41	2	90	158	.379	3.47	1.33	157.6	882.9		209	1,171		125	70
DF		45	1	90	163	.157	1.74	.63	162.2	905.0		102	569		61	34
DF		46	2	89	160	.301	3.47	1.05	196.9	1098.6		207	1,157		124	69
DF		47	1	86	150	.144	1.74	.43	188.3	1036.7		81	448		49	27
DF		50	1	91	156	.127	1.74	.38	277.7	1590.0		106	608		64	36
DF		Totals	87	88	126	35.230	151.11	96.56	83.0	402.8		8,011	38,897		4,806	2,334
RA		15	1	86	83	1.932	2.37	3.86	22.5	65.0		87	251		52	15
RA		16	1	86	82	1.698	2.37	3.40	26.0	85.0		88	289		53	17
RA		17	1	87	38	1.504	2.37	1.50	26.0	50.0		39	75		23	5
RA		19	1	87	67	1.204	2.37	2.41	31.5	100.0		76	241		46	14
RA		20	2	87	78	2.173	4.74	4.35	39.3	122.5		171	532		102	32
RA		21	1	86	60	.985	2.37	1.97	34.5	100.0		68	197		41	12
RA		26	1	87	69	.643	2.37	1.29	57.0	200.0		73	257		44	15
RA		31	1	87	82	.452	2.37	.90	96.5	370.0		87	335		52	20
RA		Totals	9	87	70	10.591	21.33	19.68	35.0	110.6		689	2,177		414	131
DFW		45	1	90	150	.097	1.07	.29	205.7	1113.3		60	323		36	19
DFW		61	1	87	166	.053	1.07	.16	408.3	2240.0		64	353		39	21
DFW		62	1	87	142	.051	1.07	.15	377.3	2093.3		58	320		35	19
DFW		64	1	88	155	.048	1.07	.14	282.0	1676.7		40	240		24	14
DFW		65	1	85	142	.046	1.07	.14	406.0	1946.7		56	270		34	16
DFW		Totals	5	88	151	.294	5.33	.88	315.5	1706.9		278	1,506		167	90
BM		14	1	86	86	2.079	2.22	4.16	20.5	70.0		85	291		51	17
BM		15	1	87	56	1.811	2.22	1.81	32.0	70.0		58	127		35	8
BM		Totals	2	86	72	3.890	4.44	5.97	24.0	70.0		143	418		86	25
Totals			103	87	110	50.004	182.22	123.09	74.1	349.3		9121	42,997		5,473	2,580

TC TLOGSTVB

Log Stock Table - MBF

Project: DOUBLE E

T11S R08W S22 T00MC — **T11S R08W S22 T00M**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	08W	22	UNIT 1	00MC	60.00	45	103

Page 1
Date 2/25/2025
Time 10:15:46AM

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	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		DO	2M	18	10		10	.4									10			
DF		DO	2M	24	12		12	.5											12	
DF		DO	2M	32	25	2.6	24	1.0								14		10		
DF		DO	2M	34	11	.9	10	.4						2		8				
DF		DO	2M	36	34		34	1.5						2		17		15		
DF		DO	2M	38	40	1.9	39	1.7							7	23	10			
DF		DO	2M	40	1,948	1.4	1,921	82.3					3	29	94	494	512	661	128	
DF		DO	3M	12	1		1	.0						1						
DF		DO	3M	24	6	6.1	5	.2				3	3							
DF		DO	3M	26	5		5	.2					3	2						
DF		DO	3M	28	12	1.2	12	.5				1	4	2	5					
DF		DO	3M	30	12		12	.5				5	8							
DF		DO	3M	32	41	.3	41	1.7				11	15	6		8				
DF		DO	3M	34	19		19	.8				7	12							
DF		DO	3M	36	28		28	1.2				13	15							
DF		DO	3M	38	33	1.1	32	1.4			3		13	10		6				
DF		DO	3M	40	89	.7	89	3.8				7	40	21	8	12				
DF		DO	4M	12	4		4	.2			1			1	1					
DF		DO	4M	14	1		1	.1			1									
DF		DO	4M	16	1		1	.0			1									
DF		DO	4M	18	1		1	.0			1									
DF		DO	4M	20	6		6	.2		1	2	3								
DF		DO	4M	21	1		1	.1		1										
DF		DO	4M	24	6		6	.3			3	2	2							
DF		DO	4M	26	3		3	.1			1	1								
DF		DO	4M	28	4		4	.2				4								
DF		DO	4M	32	9		9	.4		7				2						
DF		DO	4M	36	2		2	.1				2								
DF		Totals			2,364	1.3	2,334	90.5		10	13	60	118	79	114	582	531	686	140	
RA		DO	CR	12	1		1	1.1			1									
RA		DO	CR	15	1		1	.9		1										
RA		DO	CR	16	1		1	1.0			1									
RA		DO	CR	20	4		4	3.3			4									
RA		DO	CR	28	2		2	1.5			2									
RA		DO	CR	29	1		1	.9		1										
RA		DO	CR	30	5		5	3.5			5									
RA		DO	CR	32	16	1.7	15	11.8			1					14				
RA		DO	CR	36	11		11	8.1						11						
RA		DO	CR	40	90	1.3	89	67.9				13	28	29			19			
RA		Totals			132	1.1	131	5.1		2	15	13	28	39		14	19			
DFW		DO	2M	40	42	2.7	40	44.8										6	11	23
DFW		DO	3M	30	3	9.2	3	3.0									3			
DFW		DO	3M	32	2		2	2.1								2				
DFW		DO	3M	40	47	5.1	44	49.1									3	4	18	20
DFW		DO	4M	16	1		1	1.0									1			
DFW		Totals			94	4.0	90	3.5								2	7	10	29	43
BM		DO	CR	18	2		2	10.0			2									
BM		DO	CR	40	23		23	90.0			8	15								

TC TLOGSTVB

Log Stock Table - MBF

Project: DOUBLE E

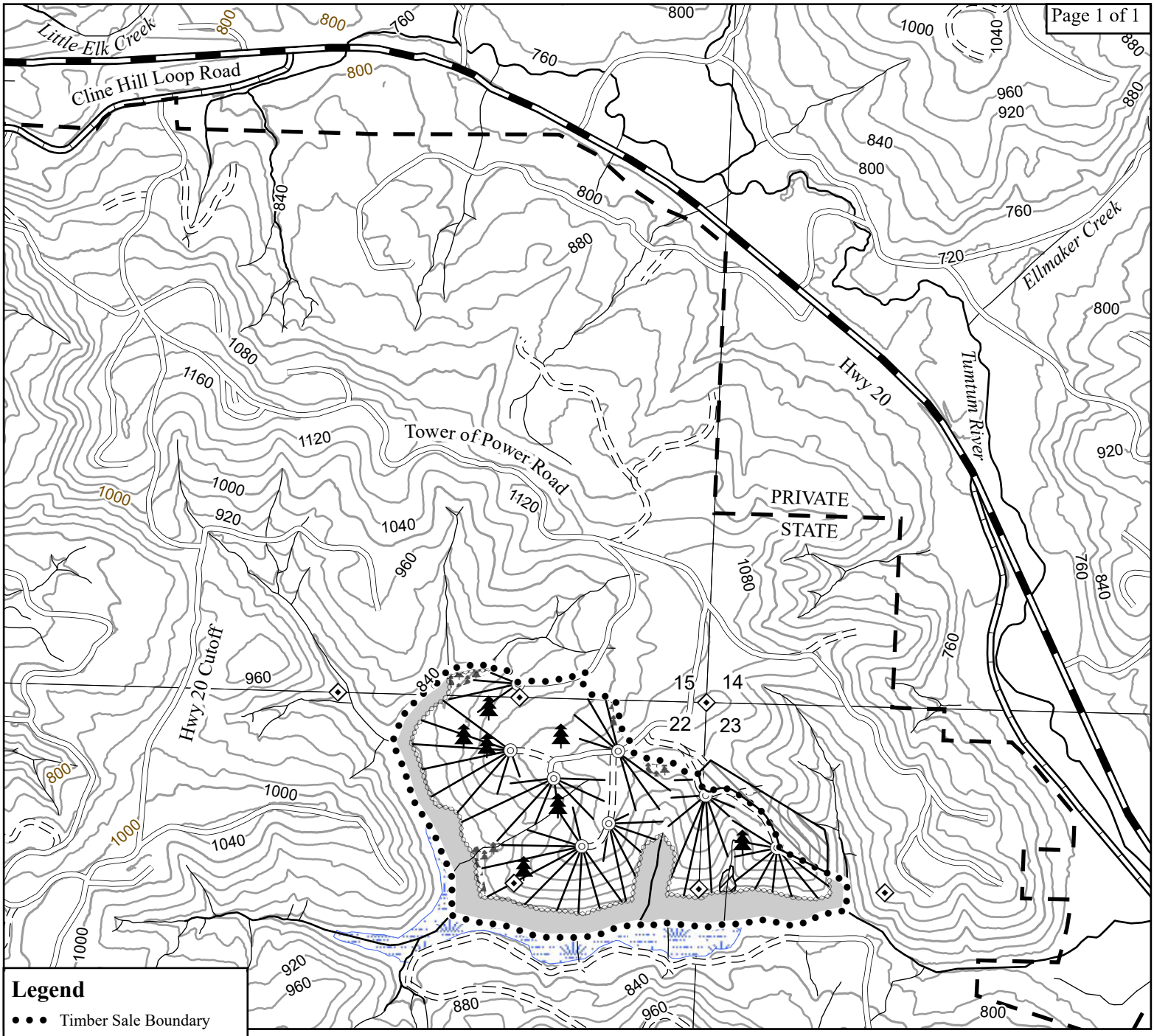
T11S R08W S22 T00MC

T11S R08W S22 T00M

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
11S	08W	22	UNIT 1	00MC	60.00	45	103

Page 2
Date 2/25/2025
Time 10:15:46AM

Spp	S T	So Grt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
BM		Totals			25		25	1.0			10	15								
Total All Species					2,615	1.3	2,580	100.0		12	38	88	146	119	114	599	557	696	169	43



Legend

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

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. WO-341-2025-W01172-03
DOUBLE EXPOSURE
PORTIONS OF SECTIONS 15, 22 and 23, T11S, R08W, W.M.,
LINCOLN COUNTY, OREGON

AREA	CABLE ACRES	TRACTOR ACRES
1	51	9
Total	51	9

Scale
1:12,000

0 1,000 2,000 4,000 Feet

N