Timber Sale Appraisal
Bow Tie Salvage

Sale WL-341-2025-W01218-01

"STEWARDSHIP IN FORESTRY"

District: Western Lane

Date: September 24, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$153,458.40	$132.05	$153,590.45
		Project Work:	($78,312.56)
		Advertised Value:	$75,277.89

Timber Description

Location: SECTION 8, T18S, R07W, W.M. LANE COUNTY, OREGON

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	13	0	97
Alder (Red)	10	0	97

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	102	586	0	688
Alder (Red)	0	0	5	5
Total	102	586	5	693

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

Western red cedar
$823.41/MBF = $1,285.00/MBF - $461.59/MBF

Western Hemlock & other conifers
$78.41/MBF = $540/MBF - $461.59/MBF

Bigleaf Maple
$0/MBF

Red Alder
$26.41/MBF = $488/MBF - $461.59/MBF

Pulp Price (Conifer and Hardwood) Price = $2.00/Ton

Confier Utility SC & PC = $30

Hauling Cost Allowance = equivalent to $1,250 daily truck cost.

Other Costs (With Profit & Risk to be added) =

None

Other Costs (no profit & added):

Coos Bay Rail Link: $2,760.00

Equipment wash prior to move-in = $500

Final Road Maintenance = $12,923

TOTAL Other Costs (No Profit and Risk added) = $16,183

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District: Western Lane **Date: September 24, 2024**

Logging Conditions

Combination#: 1

Douglas - Fir	72.00%
Alder (Red)	72.00%

Logging System: Cable: Small Tower <=40 **Process:** Stroke Delimber

yarding distance: Medium (800 ft) **downhill yarding:** No

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

loads / day: 6 **bd. ft / load:** 4200

cost / mbf: $294.90

machines: Log Loader (A)
Stroke Delimber (A)
Tower Yarder (Small)

Combination#: 2

Douglas - Fir	28.00%
Alder (Red)	28.00%

Logging System: Track Skidder **Process:** Stroke Delimber

yarding distance: Medium (800 ft) **downhill yarding:** No

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

loads / day: 10 **bd. ft / load:** 4200

cost / mbf: $238.10

machines: Stroke Delimber (B)

Timber Sale Appraisal
Bow Tie Salvage

Sale WL-341-2025-W01218-01

District: Western Lane **Date: September 24, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$78,312.56	**Other Costs (P/R):**	$0.00
Slash Disposal:	$0.00	**Other Costs:**	$16,183.00

Miles of Road

Road Maintenance: $0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	2.0	0.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	4.2
Alder (Red)	$0.00	3.0	4.2

Timber Sale Appraisal
Bow Tie Salvage

Sale WL-341-2025-W01218-01

District: Western Lane **Date: September 24, 2024**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$279.00	$2.72	$12.67	$102.19	$0.00	$39.66	$0.00	$2.00	$23.35	$461.59
Alder (Red)									
$279.00	$2.72	$12.67	$102.19	$0.00	$39.66	$0.00	$2.00	$23.35	$461.59

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$684.64	$223.05	$0.00
Alder (Red)	$0.00	$488.00	$26.41	$0.00

Timber Sale Appraisal
Bow Tie Salvage

Sale WL-341-2025-W01218-01

"STEWARDSHIP IN FORESTRY"

District: Western Lane **Date: September 24, 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	688	$223.05	$153,458.40
Alder (Red)	5	$26.41	$132.05

Gross Timber Sale Value

Recovery: $153,590.45

Prepared By: Kylie Husman **Phone:** --

Bow Tie Salvage Thin
WL-341-2025-W01218-01
Combined Project Costs

Project 1	Road Brushing	$	9,707.00
Project 2	Construct and Compact Sub-grades for New Construct Roads, Culverts	$	33,467.00
Project 3	Spread and Compact Rock for New Construct Roads	$	14,536.00
Project 4	Exisiting Road Sub-grade Improvements, Culverts	$	6,886.00
Project 5	Road Improvement & Maintenance; Grading, Spread and Compact Rock Lift	$	7,616.56
Project 6	Bridge Decking Repair	$	1,500.00
Project 7	Move In	$	4,600.00
	TOTAL PROJECT COSTS	$	78,312.56

State Timber Sale Contract

Bow Tie Salvage Thin

WL-341-2025-W01218-01

Road Brushing Costs

Location	I-1 to I-2	I-3 to I-4	I-5 to I-6	Pataha Spurs	
Point to Point/Satationing	0+00 to 110+75	I-3 to I-4	I-5 to I-6		
Miles	2.10	0.06	0.22	2.89	Total
Brushing Intensity	Light to Medium	Light to Medium	Light to Medium	Light to Medium	
Cost/mile	$ 1,842	$ 1,842	$ 1,842	$ 1,842	
Total Cost	**$ 3,868**	**$ 111**	**$ 405**	**$ 5,323**	**$ 9,707**

Puls 09/23/2024

State Timber Sale Contract
Bow Tie Salvage Thin
WL-341-2025-W01218-01

Subgrade Construction/Culverts

Processing and Decking Right-of-Way Logs Not Included

Totals	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
Work Type	Reconstruction	Construction	Reconstruction	Reconstruction	Reconstruction	Construction	Reconstruction	
Stations	10.7	2.4	9.00	8.80	14.75	1.95	6.40	54.00
Cost/Sta	$ 614.00	$ 1,050.00	$ 584.00	$ 587.00	$ 538.00	$ 1,012.00	$ 632.00	
Cost	**$ 6,571.14**	**$ 2,520.14**	**$ 5,256.51**	**$ 5,165.00**	**$ 7,935.00**	**$ 1,973.00**	**$ 4,046.00**	**$ 33,467.00**

Earthwork

Clearing and Grubbing	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
Acreage	0.74	0.17	0.83	0.81	1.35	0.18	0.59	4.66
Cost/Acre	$ 1,824.09	$ 1,824.09	$ 1,824.09	$ 1,824.09	$ 1,824.09	$ 1,824.09	$ 1,824.09	
Total	**$ 1,345**	**$ 302**	**$ 1,508**	**$ 1,475**	**$ 2,471**	**$ 327**	**$ 1,073**	**$ 8,501.00**

Excavation yards are bank run from State's design

Construction/Excavation	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
Stations	10.70	2.40	9.00	8.80	14.75	1.95	6.40	
$/sta	$ 166.45	$ 166.45	$ 166.45	$ 166.45	$ 166.45	$ 166.45	$ 166.45	
Drift/Excavation Cu Yd w Fluff								
Drift/Excavation $/yd	$ 3.00	$ 3.00	$ 3.00	$ 3.00	$ 3.00	$ 3.00	$ 3.00	
Landing Construction	$ 530.72	$ 530.72	$ 530.72	$ 530.72	$ 530.72	$ 530.72	$ 530.72	
No. of Landings	$ 2.00	$ 1.00	$ 2.00	$ 2.00	$ 2.00	$ 2.00	$ 2.00	13
Subtotal	**$ 2,843**	**$ 931**	**$ 2,560**	**$ 2,527**	**$ 3,517**	**$ 1,387**	**$ 2,127**	**$ 15,892.00**

Culverts	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
ACSP	1	1						
Length (ft)	30	30						
Diameter	18	18						
Cost/Foot	$ 15.01	$ 15.01						
Replace culverts	1	1						
Culvert Markers ($/steel post)	$ 5.29	$ 5.29	$ 5.29	$ 5.29	$ 5.29	$ 5.29	$ 5.29	
Banding	$ 27.55	$ 27.55						
Subtotal	$ 483.14	$ 483.14	$ -	$ -	$ -	$ -	$ -	**$ 966**
Installation Cost	**$ 487**	**$ 487**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 974**

* Alumized Steel was used for costing purposes based on prices as of 06/20/19

Subgrade Treatment

Compaction w/ Roller Surface Rock	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
Road Stations	10.70	2.40	9.00	8.80	14.75	1.95	6.40	54
Cost/STA	$ 77.06	$ 77.06	$ 77.06	$ 77.06	$ 77.06	$ 77.06	$ 77.06	
Subtotal	**$ 825**	**$ 185**	**$ 694**	**$ 679**	**$ 1,137**	**$ 151**	**$ 494**	**$ 4,165**

Grade and Shape (Including ditch and culvert cleaning)	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	TOTAL
Road Stations	10.70	2.40	9.00	8.80	14.75	1.95	6.40	54
Cost/STA	$ 54.90	$ 54.90	$ 54.90	$ 54.90	$ 54.90	$ 54.90	$ 54.90	
Subtotal	**$ 588**	**$ 132**	**$ 495**	**$ 484**	**$ 810**	**$ 108**	**$ 352**	**$ 2,969**

Move in Cost	Initial	Between Projects
D-7 Cat	$ 1,000	
Dump Truck	$ 200	
Grader	$ 800	
Small Excavator	$ 500	
Vibratory Roller	$ 500	
Water Truck	$ 100	
Large Excavator	$ 1,500	

Project Cost	$ 33,467.00
Move In Cost	**$ 4,600**
Total Cost	$ 38,067.00

Due to rounding, the numbers in the table above may not add up to the totals shown.

State Timber Sale Contract
Bow Tie Salvage Thin
WL-341-2025-W01218-01

Existing Road Improvements/Culverts

Processing and Decking Right-of-Way Logs Not Included

Totals	I-1 to I-2	TOTAL
Work Type	Improvement	
Stations	110.75	111
Cost/Sta	$ 62.00	
Cost	**$ 6,886.00**	**$ 6,886.00**

Earthwork

Clearing and Grubbing	I-1 to I-2	TOTAL
Acreage	0.15	0.15
Cost/Acre	$ 1,824.09	
Total	**$ 274**	**$ 274.00**

Excavation yards are bank run from State's design

Construction/Excavation	I-1 to I-2	TOTAL
Stations		
$/sta	$ 166.45	
Drift/Excavation Cu Yd w Fluff		
Drift/Excavation $/yd	$ 3.00	
Landing Construction	$ 530.72	
No. of Landings	1	1
Subtotal	**$ 531**	**$ 531.00**

Subgrade Treatment

Compaction w/ Roller Surface Rock	I-1 to I-2	TOTAL
Road Stations	0	0
Cost/STA	$ 77.06	
Subtotal	**$ -**	**$ -**

Grade and Shape (Including ditch and culvert cleaning)	I-1 to I-2	TOTAL
Road Stations	110.75	110.75
Cost/STA	$ 54.90	
Subtotal	**$ 6,081**	**$ 6,081**

Total Cost	$ 6,886.00

Due to rounding, the numbers in the table above may not add up to the totals shown.

State Timber Sale Contract
WL-341-2025-W01218-01
Bow Tie Salvage Thin

Road Rocking and Compaction

Rock Source: **Commercial**

Rock Quantity (Inplace)

Work Type	Maintenance	Reconstruction	Construction	Reconstruction	Reconstruction	Construction	Reconstruction	
Base Rock	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	**TOTAL**
Rock Size	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Stations		1.00	1.00	1.00	1.00	1.00	1.00	6.00
Approx yds/sta		36	36	36	36	36	36	
Subtotal base (cu. yds)	**0**	**40**	**40**	**40**	**40**	**40**	**40**	**240**
Landings	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	**TOTAL**
Rock Size	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
# of landings	1.00					1.00		2.00
Approx yds/sta	40					40		
Subtotal (cu. yds)	**40**	**0**	**0**	**0**	**0**	**40**	**0**	**80**
Spot and Curve Widening Rock	**I-1 to I-2**	**1-A to 1-B**	**1-C to 1-D**	**1-E to 1-F**	**1-G to 1-H**	**1-K to 1-L**	**1-M to 1-N**	**TOTAL**
Rock Size	1 1/2"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Number of Points	15	1	1					
Approx cu. yds	10	20	20					
Subtotal	**150**	**20**	**20**	**0**	**0**	**0**	**0**	**190**
Backfill/ Drain Rock	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	**TOTAL**
Rock Size	Pit Run	1 1/2"-0"	1 1/2"-0"	Pit Run	Pit Run	1 1/2"-0"	1 1/2"-0"	
Number of Points		1	1					
Approx cu. yds		20	20					40.00
Subtotal	0	20	20	0	0	0	0	**40**
Cubic Yards	**I-1 to I-2**	**1-A to 1-B**	**1-C to 1-D**	**1-E to 1-F**	**1-G to 1-H**	**1-K to 1-L**	**1-M to 1-N**	**Total**
Total Rock Volume	**190**	**80**	**80**	**40**	**40**	**80**	**40**	**550**

ROCK COST (Rock + Delivery)

Road Segment/Name	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	TOTAL
Base Rock	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Approx cu. yds	0	40	40	40	40	40	40	240
Cost/yd (includes load/spread)	$ 38.16	$ 38.16	$ 38.16	$ 38.16	$ 38.16	$ 38.16	$ 38.16	
Subtotal Cost	**$ -**	**$ 1,526**	**$ 1,526**	**$ 1,526**	**$ 1,526**	**$ 1,526**	**$ 1,526**	**$ 9,156**
Landing Rock	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
Approx cu. yds	40	0	0	0	0	40	0	80
Cost/yd (includes load/spread)	$ 30.46	$ 30.46	$ 30.46	$ 30.46	$ 30.46	$ 30.46	$ 30.46	
Subtotal Cost	**$ 1,218.22**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,218.22**	**$ -**	**$ 2,436**
Spot and Curve Widening Rock	1 1/2"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Approx cu. yds	150	20	20	0	0	0	0	190
Cost/yd (includes load/spread)	$ 38.86	$ 38.16	$ 38.16	$ 38.16	$ 38.16	$ 38.16	$ 38.16	
Subtotal Cost	**$ 5,828.33**	**$ 763.11**	**$ 763.11**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,354**
Backfill/ Drain Rock	Pit Run	1 1/2"-0"	1 1/2"-0"	Pit Run	Pit Run	1 1/2"-0"	1 1/2"-0"	
Approx cu. yds	**0**	**20**	**20**	**0**	**0**	**0**	**0**	**40**
Cost/yd (includes load/spread)	$ 30.46	$ 38.86	$ 38.86	$ 30.46	$ 30.46	$ 38.86	$ 38.86	
Subtotal Cost	**$ -**	**$ 777**	**$ 777**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,554**
Grand total quarry approx yds	190	80	80	40	40	80	40	550
Total Quarry Rock Cost	**$ 7,047**	**$ 3,066**	**$ 3,066**	**$ 1,526**	**$ 1,526**	**$ 2,744**	**$ 1,526**	**$ 20,501**
Compaction w/Processing (Stations)	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	**TOTAL**
Cost/cu. Yds	$3.00	$3.00	$3.00	$3.00	$3.00	$3.00	$3.00	
Subtotal Processing	**$ 570**	**$ 240**	**$ 240**	**$ 120**	**$ 120**	**$ 240**	**$ 120**	**$ 1,650**
$/yd^3 rock in place & compacted	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-K to 1-L	1-M to 1-N	**Total**
Total Rock Costs	**$ 7,616.56**	**$ 3,306.44**	**$ 3,306.44**	**$ 1,646.22**	**$ 1,646.22**	**$ 2,984.44**	**$ 1,646.22**	**$ 22,152.56**

Road Rocking and Compaction Cost Split Summary		
Project 3	New Construction, Reconstruction	$ 14,536.00
Project 5	Improvement, Maintenance	$ 7,616.56
Rocking Cost Total		**$ 22,152.56**

Move-in included in subgrade construction

Due to rounding, the numbers in the table above may not add up to the totals shown.

State Timber Sale Contract
WL-341-2025-W01218-01
Bow Tie Salvage Thin

Final Road Maintenance Cost Summary

Totals	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
Stations	110.75	10.7	2.4	9	8.8	14.75	1.95	6.4	
Cost/Sta	$ 54.34	$ 59.47	$ 130.85	$ 60.02	$ 76.30	$ 57.67	$ 190.14	$ 81.63	
Total Cost	**$ 6,017.82**	**$ 636.35**	**$ 314.04**	**$ 540.15**	**$ 671.48**	**$ 850.66**	**$ 370.78**	**$ 522.44**	**$ 9,923**

Spot Rocking	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
Total Yds	100								
Rock Size	1 1/2"-0"								
$/yd	$38.86								
Subtotal	$ 3,886	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 3,886**

Grade,Shape & Pull Ditches	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
Stations	110.75	10.70	2.40	9.00	8.80	14.75	1.95	6.40	
$/STA	$ 18.35	$ 18.35	$ 18.35	$ 18.35	$ 18.35	$ 18.35	$ 18.35	$ 18.35	
Subtotal	$ 2,032	$ 196	$ 44	$ 165	$ 161	$ 271	$ 36	$ 117	**$ 3,022**

Compaction	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
Stations									
$/STA	$ 20.20	$ 20.20	$ 20.20	$ 20.20	$ 20.20	$ 20.20	$ 20.20	$ 20.20	
Subtotal	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**

Install Waterbars	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
# of waterbars		4.00	2.00	5.00	6.00	8.00	1.00	3.00	
$/waterbar	$35.00	$35.00	$35.00	$35.00	$35.00	$35.00	$35.00	$35.00	
Subtotal	$ -	$ 140.00	$ 70.00	$ 175.00	$ 210.00	$ 280.00	$ 35.00	$ 105.00	**$ 1,015.00**

Landing clean up	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**TOTAL**
Stations	1.00	2.00	1.00	1.00	2.00	2.00	2.00	2.00	
$/STA	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	
Subtotal	$ 100	$ 200	$ 100	$ 100	$ 200	$ 200	$ 200	$ 200	**$ 1,300**

Tank Trap / Blocking	I-1 to I-2	1-A to 1-B	1-C to 1-D	1-E to 1-F	1-G to 1-H	1-I to 1-J	1-K to 1-L	1-M to 1-N	**Total**
Cost		$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	$ 100.00	**$ 700.00**

Move In	Initial	Between Proj.
Grader	$ 500	
Excavator	$ 1,000	
Dump Truck	$ 500	

Move in costs associated with one entry for the entire project

Total Final Maintenance Costs **$ 12,923**

Puls 10/29/2024

"Other Costs" with Profit and Risk to be Added:

None

Total "Other Costs" with Profit and Risk to be Added: **$0**

"Other Costs" With No Additional Profit and Risk

	Units	Quantity	Cost/Unit	Total Cost
Equipment wash prior to move-in	Operation			$ 500
Coos Bay Rail Link Fees	Operation			$ 2,760
Final Road Maintenance	Operation			$ 12,923

Total "Other Costs" With No Additional Profit and Risk: **$ 16,183**

Cost per MBF 793 MBF **$ 20.41**

Cruise Report

Bow Tie Salvage Thin

SALE #WL- 341-2025- W01218-01

Sale Area: Portions of Section 8, T18S, R7W, W.M., Lane County, Oregon. This sale is a one-unit sale with approximately 79 acres of thinning and salvage. There is approximately 8 acres of stream buffers and 2 acres of new construction. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

Stand Description: Bow Tie Salvage Thin is dominated by Douglas-fir that is approximately 45-60 years old. The understory consists primarily of sword fern, Oregon grape, salal, rhododendron and some minor hardwood species. The northeast portion of unit has a significant amount of blowdown and broken tops. Slopes range from 40-65% in the draws and 15-30% on the ridgetops.

Computation Procedures: Volume was computed by cruising 55 plots within the timber sale area. Grade breakout was completed in the field.

Cruise Method and Design: This cruise unit was stratified into two stand types due to the variability of age and size of the timber. Type 1 is 45 acres and consists of larger and taller timber and 28 plots were cruised with a 20BAF. Type 2 consists of timber that is smaller, and it encompasses most of the storm damage. 27 plots were cruised with a 20BAF. Both areas were cruised with a relaskop to a six-inch top and a spencer tape to measure diameters. Volumes were calculated using the SuperACE program.

Volume Table: Volumes computed from SuperACE listed below.

Bow Tie Salvage Cruise Data (MBF): Type 1 (45 Acres)

Species	Avg DBH	2 Saw (MBF)	3 Saw (MBF)	4 Saw (MBF)	Camp Run	Sub – total (MBF)
Douglas-Fir	14.1	95	312	69	0	476
					Total MBF	476

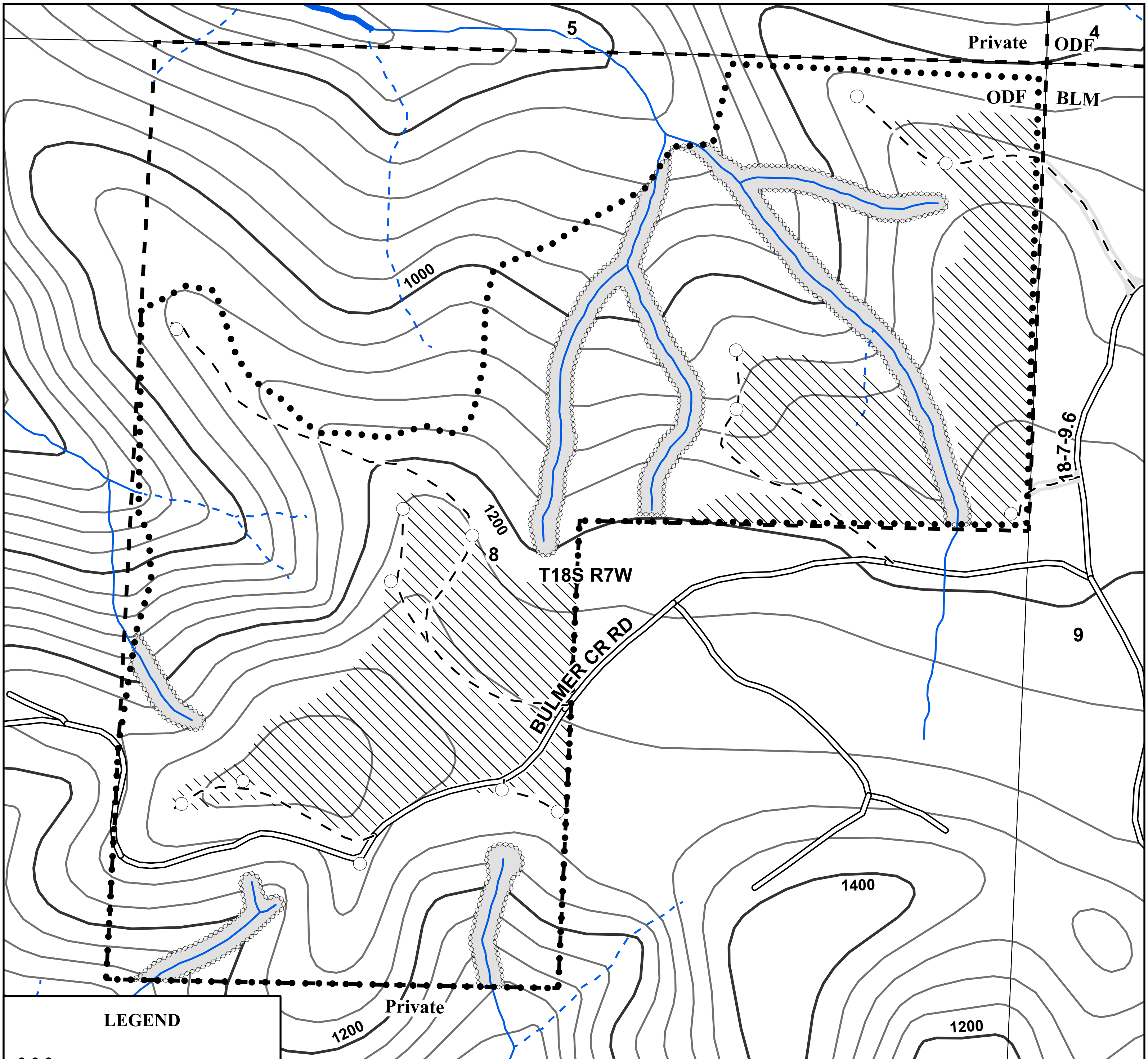
Bow Tie Salvage Cruise Data (MBF): Area 2 (34 Acres) Volume below was reduced by 25% to account for breakage and likely defect due to ice storm damage. Alder volume was added due to planned roads and landings.

Species	Avg DBH	2 Saw (MBF)	3 Saw (MBF)	4 Saw (MBF)	Camp Run	Sub – total (MBF)
Douglas-Fir	11.4	7	194	111	0	312
Red Alder	10.6	0	0	0	5	5
					Total MBF	317

Merchantable (MBF): 793

Merchantable (MBF)/Acre: 10

*Numbers may differ due to rounding



LEGEND

Timber Sale Boundary
ODF Ownership
Stream Buffer
Landing to Construct
Ground Based
BLM Right-of-Way

Roads
All weather
New Construction

Streams
Fish,Perennial
Non-Fish,Perennial
Non-Fish,Seasonal

LOGGING MAP

OF TIMBER SALE CONTRACT NO. 341-2025- W01218-01
BOW TIE SALVAGE THIN
PORTIONS OF SECTIONS 8, T18S, R7W, W.M.
LANE COUNTY, OREGON

600 0 600 1,200 Feet

Yarding
Cable=72%
Ground=28%

Gross Acres: 90
Net Acres: 79

N

OREGON DEPARTMENT OF FORESTRY
"STEWARDSHIP IN FORESTRY"

Scale
1:4,800
Contours=40 Feet

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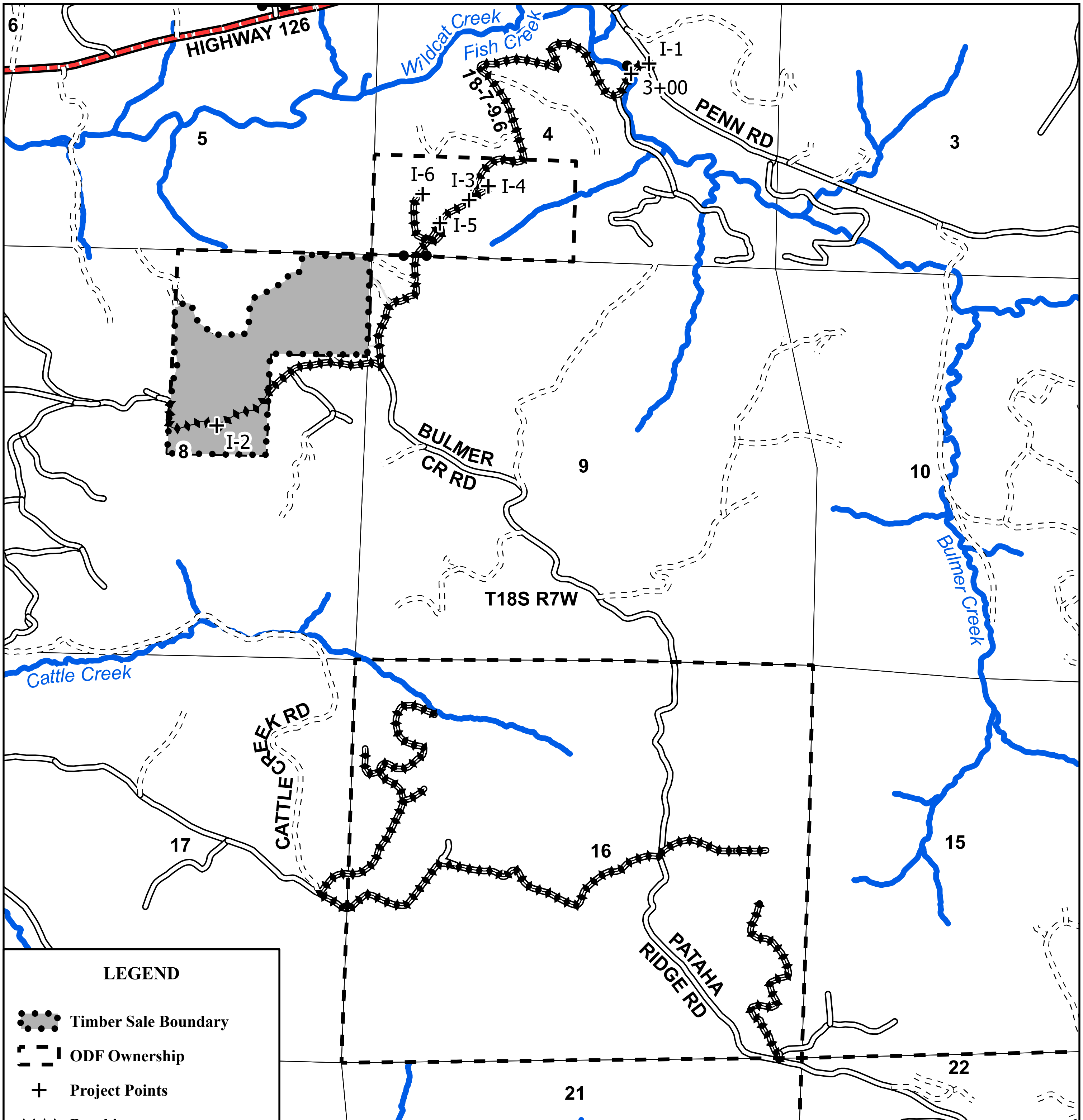

LEGEND

Timber Sale Boundary

ODF Ownership

Project Points

Brushing

Gate

BLM Right-of-Way

Roads

Federal or State highway

All weather

Dirt

Streams

Fish,Perennial

BRUSHING VICINITY MAP

OF TIMBER SALE CONTRACT NO. 341-2025- W01218-01
BOW TIE SALVAGE THIN
PORTIONS OF SECTIONS 8, T18S, R7W, W.M.
LANE COUNTY, OREGON

OREGON DEPARTMENT OF FORESTRY
"STEWARDSHIP IN FORESTRY"

N

1 0 1 1 Miles

Scale
1: 22,000

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