



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

District: Western Lane

Date: September 10, 2025

---

**Cost Summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$660,317.29	\$0.00	\$660,317.29
		<b>Project Work:</b>	(\$128,886.78)
		<b>Advertised Value:</b>	\$531,430.51



Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

**District: Western Lane**

**Date: September 10, 2025**

### Timber Description

**Location:** Section(s) 32 of T31S R5W W.M. Douglas County, Oregon

**Stand Stocking:** 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	97
Western Hemlock / Fir	19	0	97
Incense Cedar	20	0	97
Sugar Pine	38	0	97

Volume by Grade	2S	3S & 4S 6"-11"	6" - 11"	Camprun	Total
Douglas - Fir	945	598	0	0	1,543
Western Hemlock / Fir	151	78	0	0	229
Incense Cedar	0	0	32	0	32
Sugar Pine	0	0	0	23	23
<b>Total</b>	1,096	676	32	23	1,827

**Comments:** Pond Values used: Forest to Market Prices September 2025.

SUGAR PINE AND OTHER PINES

Stumpage Price = Pond Value - Logging Costs:

\$22.35/MBF = \$425/MBF - \$402.65/MBF

INCENSE CEDAR AND OTHER CEDARS

Stumpage Price = Pond value - Logging Costs:

\$197.35/MBF = \$600/MBF - \$402.65/MBF

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

Utility PC & SC = \$201.33/MBF

Hauling Cost Allowance = \$1,250/Day

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

Equipment wash prior to move-in: \$500

Firewood sorting and landing slash piling: \$2,000

TOTAL Other Costs (With Profit and Risk added) = \$2,500

Other Costs (No Profit & Risk added): None.

TOTAL Final Road Maintenance = \$13,019

\$13,019 / 1,827 MBF = \$7.13/MBF

\*See Final Road Maintenance cost sheet for details

Logger Option Spur Estimates:

Spur 1: 10.85 STA x \$505.00/STA = \$5,479

Spur 2: 10.00 STA x \$505.00/STA = \$5,050



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

District: Western Lane

Date: September 10, 2025

**Logging Conditions**

**Combination#: 1**

Douglas - Fir	58.00%
Western Hemlock / Fir	58.00%
Incense Cedar	58.00%
Sugar Pine	58.00%

**Logging System:** Cable: Medium Tower >40 - <70      **Process:** Stroke Delimber

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

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

**loads / day:** 7      **bd. ft / load:** 4200

**cost / mbf:** \$271.37

**machines:** Log Loader (A)  
Stroke Delimber (A)  
Tower Yarder (Medium)

**Combination#: 2**

Douglas - Fir	42.00%
Western Hemlock / Fir	42.00%
Incense Cedar	42.00%
Sugar Pine	42.00%

**Logging System:** Shovel      **Process:** Stroke Delimber

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

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

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

**cost / mbf:** \$238.10

**machines:** Stroke Delimber (B)



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

**District: Western Lane**

**Date: September 10, 2025**

### Logging Costs

<b>Operating Seasons:</b> 2.00	<b>Profit Risk:</b> 14%
<b>Project Costs:</b> \$128,886.78	<b>Other Costs (P/R):</b> \$2,500.00
<b>Slash Disposal:</b> \$0.00	<b>Other Costs:</b> \$0.00

**Miles of Road**

**Road Maintenance:** \$7.20

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	5.0	0.0	0.0

**Hauling Costs**

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	4.0	4.0
Western Hemlock / Fir	\$0.00	4.0	4.0
Incense Cedar	\$0.00	4.0	4.0
Sugar Pine	\$0.00	4.0	4.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

District: Western Lane

Date: September 10, 2025

**Logging Costs Breakdown**

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
<b>Douglas - Fir</b>									
\$257.40	\$7.42	\$4.80	\$80.46	\$1.37	\$49.20	\$0.00	\$2.00	\$0.00	\$402.65
<b>Western Hemlock / Fir</b>									
\$257.40	\$7.42	\$4.80	\$80.46	\$1.37	\$49.20	\$0.00	\$2.00	\$0.00	\$402.65
<b>Incense Cedar</b>									
\$257.40	\$7.42	\$4.80	\$80.46	\$1.37	\$49.20	\$0.00	\$2.00	\$0.00	\$402.65
<b>Sugar Pine</b>									
\$257.40	\$7.42	\$4.80	\$80.46	\$1.37	\$49.20	\$0.00	\$2.00	\$0.00	\$402.65

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$805.31	\$402.66	\$0.00
Western Hemlock / Fir	\$0.00	\$543.19	\$140.54	\$0.00
Incense Cedar	\$0.00	\$600.00	\$197.35	\$0.00
Sugar Pine	\$0.00	\$425.00	\$22.35	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Wind Chime  
Sale WL-341-2026-W01261-01

District: Western Lane

Date: September 10, 2025

### Summary

**Amortized**

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Incense Cedar	0	\$0.00	\$0.00
Sugar Pine	0	\$0.00	\$0.00

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	1,543	\$402.66	\$621,304.38
Western Hemlock / Fir	229	\$140.54	\$32,183.66
Incense Cedar	32	\$197.35	\$6,315.20
Sugar Pine	23	\$22.35	\$514.05

**Gross Timber Sale Value**

Recovery: \$660,317.29

Prepared By: John Enos

Phone: 541-214-0181

**Wind Chime**  
**WL-341-2026-W01261-01**  
**Combined Project Costs**

Project 1	Road Brushing	\$ 9,977.00
Project 2	Existing Road Sub-grade <u>Improvements</u> , Culverts	\$ 72,258.00
Project 3	Road Improvement Rocking & Maintenance; Grading, Spread and Compact Rock Lift	\$ 41,551.78
Project 4	Move In	\$ 5,100.00
TOTAL PROJECT COSTS		\$ 128,886.78

---

---



**Existing Road Improvements/Culverts**  
 Processing and Decking Right-of-Way Logs Not Included

<b>Totals</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
<b>Work Type</b>	Improvement	Improvement	Improvement	Improvement	Improvement	
Stations	1.2	2.2	240.5	2.45	14.45	260
Cost/Sta	\$ 4,629.00	\$ 15,159.00	\$ 70.00	\$ 1,522.00	\$ 885.00	
<b>Cost</b>	<b>\$ 5,554.33</b>	<b>\$ 33,348.85</b>	<b>\$ 16,834.39</b>	<b>\$ 3,728.29</b>	<b>\$ 12,793.44</b>	<b>\$ 72,258.00</b>

**Earthwork**

<b>Clearing and Grubbing</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Acreage	0.14			0.17	1.00	1.3
Cost/Acre	\$ 2,116.52	\$ 2,116.52	\$ 2,116.52	\$ 2,116.52	\$ 2,116.52	
<b>Total</b>	<b>\$ 292</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 358</b>	<b>\$ 2,107</b>	<b>\$ 2,757.00</b>

Excavation yards are bank run from State's design

<b>Construction/Excavation</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Stations	1.0			2.45	14.45	
\$/sta	\$ 170.44	\$ 170.44	\$ 170.44	\$ 445.66	\$ 445.66	
Drift/Excavation Cu Yd w Fluff						
Drift/Excavation \$/yd	\$ 3.07	\$ 3.07	\$ 3.07	\$ 3.07	\$ 3.07	
Landing Construction	\$ 568.60			\$ 568.60	\$ 568.60	
<b>Subtotal</b>	<b>\$ 740</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,661</b>	<b>\$ 7,577</b>	<b>\$ 9,978.00</b>

<b>Culverts</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Type	ALZD	ALZD	ALZD	ALZD	HDPE	
Length (ft)	80	700	80	30	30	
Diameter	24	18	30	18	18	
Cost/Foot	\$ 31.74	\$ 24.28	*pipe provided*	\$ 24.28	\$ 15.01	
Replace culverts	2	21	2	1	1	
Culvert Markers (\$/steel post)	\$ 5.29	\$ 5.29	\$ 5.29	\$ 5.29	\$ 5.29	
Banding	\$ 37.58	\$ 32.89	*bands provided*	\$ 32.89	\$ 27.55	
<b>Culvert Materials Subtotal</b>	<b>\$ 2,624.94</b>	<b>\$ 17,797.78</b>	<b>\$ -</b>	<b>\$ 761.29</b>	<b>\$ 477.85</b>	<b>\$ 21,662</b>
<b>Culvert Installation Cost</b>	<b>\$ 1,642</b>	<b>\$ 14,360</b>	<b>\$ 1,642</b>	<b>\$ 616</b>	<b>\$ 616</b>	<b>\$ 18,876</b>
Seed & Mulch Acres	0.03	0.29	0.03		0.02	
Seed & Mulch \$/ac	\$ 3,080	\$ 3,080	\$ 3,080	\$ 3,080	\$ 3,080	
<b>Seed &amp; Mulch subtotal</b>	<b>\$ 92</b>	<b>\$ 893</b>	<b>\$ 92</b>	<b>\$ -</b>	<b>\$ 62</b>	<b>\$ 1,139</b>

**Subgrade Treatment**

<b>Compaction w/ Roller Surface Rock</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Road Stations	1.2	2.2	20	2.45	14.45	40.3
Cost/STA	\$ 78.91	\$ 78.91	\$ 78.91	\$ 78.91	\$ 78.91	
<b>Subtotal</b>	<b>\$ 95</b>	<b>\$ 174</b>	<b>\$ 1,579</b>	<b>\$ 194</b>	<b>\$ 1,141</b>	<b>\$ 3,183</b>

<b>Grade and Shape (Including ditch and culvert cleaning)</b>	Windy Creek Road	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Road Stations	1.2	2.2	240.5	2.45	14.45	260.8
Cost/STA	\$ 56.22	\$ 56.22	\$ 56.22	\$ 56.22	\$ 56.22	
<b>Subtotal</b>	<b>\$ 68</b>	<b>\$ 124</b>	<b>\$ 13,521</b>	<b>\$ 138</b>	<b>\$ 813</b>	<b>\$ 14,664</b>

<b>Move in Cost</b>	Initial
D-7 Cat	\$ 1,300
Dump Truck	\$ 250
Grader	\$ 1,200
Medium Excavator	\$ 1,300
Vibratory Roller	\$ 850
Water Truck	\$ 200

<b>Project Cost</b>	<b>\$ 72,258.00</b>
<b>Move In Cost</b>	<b>\$ 5,100</b>
<b>Total Cost</b>	<b>\$ 77,358.00</b>

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

State Timber Sale Contract  
 WL-341-2026-W01261-01  
 Wind Chime

**Road Rocking and Compaction**

Rock Source:

Commercial

<b>Rock Quantity (Inplace)</b>							
Work Type	Improvement	Maintenance	Improvement	Improvement			
<b>Base Rock</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Rock Size	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Stations			1.20	1.40			2.00
Approx yds/sta			33	22			
<b>Subtotal base (cu. yds)</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>70</b>
<b>Landings</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Rock Size	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
# of landings		1.00					1.00
Approx yds/sta		60					
<b>Subtotal (cu. yds)</b>	<b>0</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>
<b>Spot and Curve Widening Rock</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Rock Size	3"-0"	1 1/2"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Number of Points		25					
Approx cu. yds		10					
<b>Subtotal</b>	<b>0</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>
<b>Bedding / Backfill</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Rock Size	1 1/2"-0"	1 1/2"-0"	1 1/2"-0"	Pit Run	Pit Run	Pit Run	
Number of Points	16	9	1				
Approx cu. yds	20	30	10				60.00
<b>Subtotal</b>	<b>320</b>	<b>270</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600</b>
<b>Energy Disipator/ Drain Rock</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Rock Size	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
Number of Points	23	2					
Approx cu. yds	2.5	1.25					3.00
Purpose	Energy Dissipator	Drain Rock					
<b>Subtotal</b>	<b>57.5</b>	<b>2.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>
<b>Cubic Yards</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>Total</b>
<b>Total Rock Volume</b>	<b>378</b>	<b>583</b>	<b>50</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>1040</b>
<b>ROCK COST (Rock + Delivery)</b>							
<b>Road Segment/Name</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
<b>Base Rock</b>	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Approx cu. yds	0	0	40	30	0	0	70
Cost/yd (includes load/spread)	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,478</b>	<b>\$ 1,109</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,587</b>
<b>Landing Rock</b>	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
Approx cu. yds	0	60	0	0	0	0	60
Cost/yd (includes load/spread)	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ 2,217.22</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,217</b>
<b>Spot and Curve Widening Rock</b>	3"-0"	1 1/2"-0"	3"-0"	3"-0"	3"-0"	3"-0"	
Approx cu. yds	0	250	0	0	0	0	250
Cost/yd (includes load/spread)	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ 9,238.41</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 9,238</b>
<b>Backfill/ Drain Rock</b>	1 1/2"-0"	1 1/2"-0"	1 1/2"-0"	Pit Run	Pit Run	Pit Run	
Approx cu. yds	320	270	10	0	0	0	600
Cost/yd (includes load/spread)	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	
<b>Subtotal Cost</b>	<b>\$ 11,825</b>	<b>\$ 9,977</b>	<b>\$ 370</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 22,172</b>
<b>Energy Disipator/ Rip Rap Rock</b>	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	Pit Run	
Approx cu. yds	58	3	0	0	0	0	60
Cost/yd (includes load/spread)	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	\$ 36.95	
<b>Subtotal Cost</b>	<b>\$ 2,124.83</b>	<b>\$ 92.38</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,217</b>
Grand total quarry approx yds	378	583	50	30	0	0	1040
<b>Total Quarry Rock Cost</b>	<b>\$ 13,950</b>	<b>\$ 21,525</b>	<b>\$ 1,848</b>	<b>\$ 1,109</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,432</b>
<b>Compaction w/Processing (Stations)</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>TOTAL</b>
Cost/cu. Yds	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	
<b>Subtotal Processing</b>	<b>\$ 1,133</b>	<b>\$ 1,748</b>	<b>\$ 150</b>	<b>\$ 90</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,120</b>
<b>\$/yd<sup>3</sup> rock in place &amp; compacted</b>	Windy Creek Road	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	Logger Option 1	Logger Option 2	<b>Total</b>
<b>Total Rock Costs</b>	<b>\$ 15,082.50</b>	<b>\$ 23,272.99</b>	<b>\$ 1,997.68</b>	<b>\$ 1,198.61</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 41,551.78</b>

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  
Wind Chime  
WL-341-2026-W01261-01

## Road Brushing Costs

Location	Windy Creek Road	
Point to Point/Satationing	0+00 to 266+00	
Miles	5.04	Total
Brushing Intensity	Light to Medium	
Cost/mile	\$ 1,980	
<b>Total Cost</b>	<b>\$ 9,977</b>	<b>\$ 9,977</b>

---

---

State Timber Sale Contract  
 WL-341-2026-W01261-01  
 Wind Chime

**Final Road Maintenance Cost Summary**

<b>Totals</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Stations	243.9	2.45	14.45	
Cost/Sta	\$ 41.69	\$ 93.86	\$ 63.68	
<b>Total Cost</b>	<b>\$ 10,168.61</b>	<b>\$ 229.96</b>	<b>\$ 920.16</b>	<b>\$ 11,319</b>

<b>Spot Rocking</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Total Yds	150			
Rock Size	1 1/2"-0"			
\$/yd	\$36.95			
Subtotal	\$ 5,543	\$ -	\$ -	<b>\$ 5,543</b>

<b>Grade, Shape &amp; Pull Ditches</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Stations	243.90	2.45	14.45	
\$/STA	\$ 18.35	\$ 18.35	\$ 18.35	
Subtotal	\$ 4,476	\$ 45	\$ 265	<b>\$ 4,786</b>

<b>Remove Temporary Pipe</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Station Location			9+15	
# of pipes			1	
\$/pipe			\$ 400.00	
Subtotal	\$ -	\$ -	\$ 400.00	<b>\$ 400.00</b>

<b>Install Waterbars</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
# of waterbars		1.00	3.00	
\$/waterbar	\$35.00	\$35.00	\$35.00	
Subtotal	\$ -	\$ 35.00	\$ 105.00	<b>\$ 140.00</b>

<b>Landing clean up</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>TOTAL</b>
Stations	1	1	1	
\$/STA	\$ 150.00	\$ 150.00	\$ 150.00	
Subtotal	\$ 150	\$ 150	\$ 150	<b>\$ 450</b>

<b>Install Tank Trap</b>	Windy Creek Road	Spur 1A to 1B	Spur 1C to 1D	<b>Total</b>
# of tank traps		1	1	
\$/tank trap		\$ 200.00	\$ 200.00	
Subtotal	\$ -	\$ 200.00	\$ 200.00	<b>\$ 400.00</b>

<b>Move In</b>	Initial	Between Proj.
Grader	\$ 500	
Excavator	\$ 1,200	

Move in costs associated with one entry for the entire project

**Total Final Maintenance Costs \$ 13,019**

**Cost per MBF \$ 7.20 MBF**

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

	<u>Units</u>	<u>Quantity</u>	<u>Cost/Unit</u>	<u>Total Cost</u>
Firewood sorting and landing slash piling	Operation			\$ 2,000
Equipment wash prior to move-in	Operation			\$ 500

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

**\$2,500**

**Cost per MBF      1,807      MBF**

**\$      1.38**



**"Other Costs" With No Additional Profit and Risk**

None.

# Cruise Report

Wind Chime

SALE # 341-2026-W01261-01

**Sale Area:** Portions of Section 31 & 32, T31S, R05W, W.M. and portions of section 6 & 5, T32S R05W, W.M., Douglas County, Oregon. The sale's net harvestable acres are 71. There are approximately 7 acres of stream and road buffers. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

**Stand Description:** Wind Chime is dominated by 78-year-old Douglas-fir. There is also a component of incense cedar, golden chinkapin, pacific yew, madrone, western hemlock, grand-fir, sugar pine and canyon live oak (other hardwoods). The understory consists of primarily salal, sword fern, bracken fern, and Oregon grape. Most of the timber sale area on the North side is steep ranging from 50%-65+% slopes. The Southern portion of the timber sale is variable with slopes ranging from 0%-45%, this area has several short steep pitches and benches. There are six small type N streams branching off the Windy Creek which is a small type F stream and transitions to a small type N running through the middle of the timber sale area. This unit was appraised for both ground and cable-based operations.

**Cruise Method:** The unit was cruised using a 40 BAF to a six-inch top, no smaller than a 9" DBH and calculated with the SuperACE program. Plots 30, 15 and 4 were not completed due to them falling into reserved tree areas that were not representative of the stand.

**Volume Tables:** Volumes were computed using the SuperACE program. There was a 10% deduction given to all saw grades due to unforeseen defect and due to the leave trees requirements for the unit (300 green conifer, 18 hardwoods, and 37 snags were left in the unit).

\*\*\*Note: The numbers in this cruise report differ from the original cruise data. The cruise data is based on 70 acres, while the calculations below are for 71 acres with a 10% volume reduction applied.

## Unit 1: Net cruised Volume (MBF)

Species	Avg. DBH	2-Saw	3-Saw	4-Saw	Camp Run	Sub-Total
Douglas-fir	18"	945	428	170		1,543
Grand fir	21.5"	136	47	20		203
Incense Cedar	19.6"	8	20	4		32
Western Hemlock	15.5"	15	8	3		26
Sugar Pine	38"	23	0	0		23

Total Net MBF = 1,827

Bd.Ft./Acre = 25,732



T31S R05W S31 Ty0001 70.00

**Project: 001** **Page 2**  
**Acres 70.00** **Date 5/20/2025**  
**Time 11:51:30AM**

Spp	S T	So Gr rt 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		4M	38	11		11	.6		7	4									
DF		4M	40	57		57	3.4		23	9	18	2		6					
DF		Totals		1,692		1,692	84.5		135	104	150	216	269	259	429	109	20		
GF		2M	40	149		149	67.1					17	27	90		14			
GF		3M	20	1		1	.2					1							
GF		3M	30	1		1	.3				1								
GF		3M	32	3		3	1.3				2	1							
GF		3M	34	2		2	.8			2									
GF		3M	36	4		4	1.6			2	1								
GF		3M	40	42		42	19.1			1	12	18	4		6				
GF		4M	12	2		2	.8		2										
GF		4M	14	0		0	.0		0										
GF		4M	18	1		1	.3		1										
GF		4M	20	2		2	.7		1		1								
GF		4M	30	1		1	.5		1										
GF		4M	34	2		2	1.0		1		1								
GF		4M	36	1		1	.2		1										
GF		4M	40	13		13	6.0			0	0				6	6			
GF		Totals		222		222	11.1		6	6	18	20	22	27	96	6	21		
IC		2M	20	2		2	6.4					2							
IC		2M	38	3		3	8.2					3							
IC		2M	40	4		4	11.4							4					
IC		3M	26	1		1	2.2				1								
IC		3M	32	1		1	2.2				1								
IC		3M	36	2		2	6.1				2								
IC		3M	38	2		2	6.3				2								
IC		3M	40	16		16	46.2			2		3		11					
IC		4M	12	1		1	2.1		1										
IC		4M	18	0		0	.8		0										
IC		4M	24	0		0	1.3		0										
IC		4M	26	1		1	1.9		1										
IC		4M	28	0		0	.7		0										
IC		4M	30	1		1	4.0		1										
IC		Totals		34		34	1.7		4	2	5	3	5	15					
WH		2M	40	17		17	57.4					4		12					



**Log Stock Table - MBF**

T31S R05W S31 Ty0001 70.00

**Project: 001**  
**Acres 70.00**

**Page 3**  
**Date 5/20/2025**  
**Time 11:51:30AM**

Spp	S T	So Gr rt 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+		
WH		3M	32	1		1	3.1			1											
WH		3M	36	2		2	5.3			2											
WH		3M	40	7		7	22.5				7										
WH		4M	12	0		0	.5		0												
WH		4M	18	0		0	1.1		0												
WH		4M	24	1		1	2.9		1												
WH		4M	32	2		2	7.2		2												
WH		Totals		29		29	1.5		3	1	2	7	4		12						
SP		2M	28	1		1	3.8					1									
SP		2M	34	3		3	10.3					1		2							
SP		2M	36	1		1	2.9					1									
SP		2M	40	21		21	80.8								5	16					
SP		3M	18	0		0	1.3				0										
SP		4M	12	0		0	.5		0												
SP		4M	16	0		0	.5		0												
SP		Totals		26		26	1.3		0			0	3		2	5	16				
Total		All Species		2,003		2,003	100.0		149	113	174	246	303	287	555	120	57				

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
T31S R05W S31 Ty0001 70.00				Project:		001		Page		1											
				Acres		70.00		Date		5/20/2025		Time		11:45:22AM							
S Spp	So T	Gr rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
				Def%	Gross	Net		Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf		
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	2M		61	14,791	14,791	1,035		0	63	37		2	5	2	92	37	15	320	1.76	46.3	
DF	3M		27	6,709	6,709	470		91	5	4		0	1	4	95	39	9	115	0.77	58.2	
DF	4M		12	2,668	2,668	187		72	21	1	6	27	20	12	41	25	5	31	0.37	87.3	
<b>DF Totals</b>			84	24,168	24,168	1,692		8	28	40	24	4	5	4	87	32	9	126	0.91	191.8	
GF	2M		67	2,124	2,124	149			40	60					100	40	16	411	1.91	5.2	
GF	3M		23	738	738	52			80	8	12	1	1	9	89	38	9	123	0.87	6.0	
GF	4M		10	304	304	21		30	11		58	19	6	10	65	20	6	53	0.69	5.8	
<b>GF Totals</b>			11	3,166	3,166	222		3	20	29	49	2	1	3	94	32	10	187	1.22	16.9	
IC	2M		26	127	127	9			56	44		25			75	30	13	197	1.88	.6	
IC	3M		63	307	307	22			48	16	36			4	93	38	10	155	1.43	2.0	
IC	4M		11	53	53	4		100				27	73			21	5	21	0.41	2.5	
<b>IC Totals</b>			2	488	488	34		11	30	25	34	9	10	2	78	28	8	95	1.12	5.1	
WH	2M		57	240	240	17			100						100	40	15	340	1.66	.7	
WH	3M		31	130	130	9			100					10	90	37	9	116	0.84	1.1	
WH	4M		12	49	49	3		100				14	25	61		26	5	26	0.30	1.8	
<b>WH Totals</b>			1	419	419	29		12	31	57		2	3	10	85	32	8	114	0.82	3.7	
SP	2M		97	362	362	25			17	83				4	11	86	36	19	642	3.57	.6
SP	3M		1	5	5	0			100			100				18	10	60	0.97	.1	
SP	4M		2	4	4	0		100				100				13	5	14	0.45	.3	
<b>SP Totals</b>			1	370	370	26		1	1	17	81	2	4	10	84	28	14	401	2.97	.9	
<b>Totals</b>				0.0	28,610	28,610	2,003		7	27	38	28	4	5	4	88	32	9	131	0.94	218.4

TC PSTATS			<b>PROJECT STATISTICS</b>					PAGE	<b>1</b>		
			<b>PROJECT 001</b>					DATE	<b>5/20/2025</b>		
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt		
31S	05	31	001	0001	70.00	72	311	S	W		
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			72	311	4.3						
CRUISE			71	311	4.4	6,615	4.7				
DBH COUNT											
REFOREST											
COUNT											
BLANKS			1								
100 %											
<b>STAND SUMMARY</b>											
	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
DOUG FIR	264	83.2	18.0	75	34.6	146.7	24,168	24,168	5,579	5,579	
GR FIR	27	6.0	21.5	94	3.2	15.0	3,166	3,166	672	672	
INC CED	11	2.9	19.6	52	1.4	6.1	488	488	163	163	
WHEMLOCK	5	2.1	15.5	58	0.7	2.8	419	419	97	97	
SUG.PINE	4	.3	38.0	94	0.4	2.2	370	370	76	76	
<b>TOTAL</b>	<b>311</b>	<b>94.5</b>	<b>18.3</b>	<b>76</b>	<b>40.4</b>	<b>172.8</b>	<b>28,610</b>	<b>28,610</b>	<b>6,586</b>	<b>6,586</b>	
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		
DOUG FIR	66.7	4.1		422	440	458					
GR FIR	51.6	10.1		610	679	747					
INC CED	80.0	25.3		197	264	330					
WHEMLOCK	71.3	35.4		204	316	428					
SUG.PINE	27.6	15.8		1,184	1,405	1,626					
<b>TOTAL</b>	<b>69.6</b>	<b>3.9</b>		<b>447</b>	<b>465</b>	<b>484</b>	<b>193</b>	<b>48</b>	<b>21</b>		
CL	68.1	COEFF	SAMPLE TREES - CF			# OF TREES REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR	59.5	3.7		95	99	103					
GR FIR	49.4	9.7		130	144	158					
INC CED	69.4	21.9		65	84	102					
WHEMLOCK	63.4	31.5		48	71	93					
SUG.PINE	29.8	17.0		240	290	339					
<b>TOTAL</b>	<b>62.2</b>	<b>3.5</b>		<b>101</b>	<b>104</b>	<b>108</b>	<b>154</b>	<b>39</b>	<b>17</b>		
CL	68.1	COEFF	TREES/ACRE			# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR	84.1	9.9		75	83	91					
GR FIR	248.4	29.2		4	6	8					
INC CED	434.6	51.2		1	3	4					
WHEMLOCK	506.2	59.6		1	2	3					
SUG.PINE	487.0	57.3		0	0	0					
<b>TOTAL</b>	<b>75.4</b>	<b>8.9</b>		<b>86</b>	<b>94</b>	<b>103</b>	<b>227</b>	<b>57</b>	<b>25</b>		
CL	68.1	COEFF	BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15		
DOUG FIR	55.7	6.6		137	147	156					
GR FIR	230.1	27.1		11	15	19					
INC CED	304.0	35.8		4	6	8					
WHEMLOCK	502.7	59.2		1	3	4					
SUG.PINE	513.5	60.5		1	2	4					
<b>TOTAL</b>	<b>45.9</b>	<b>5.4</b>		<b>163</b>	<b>173</b>	<b>182</b>	<b>84</b>	<b>21</b>	<b>9</b>		

**PROJECT STATISTICS**  
PROJECT 001

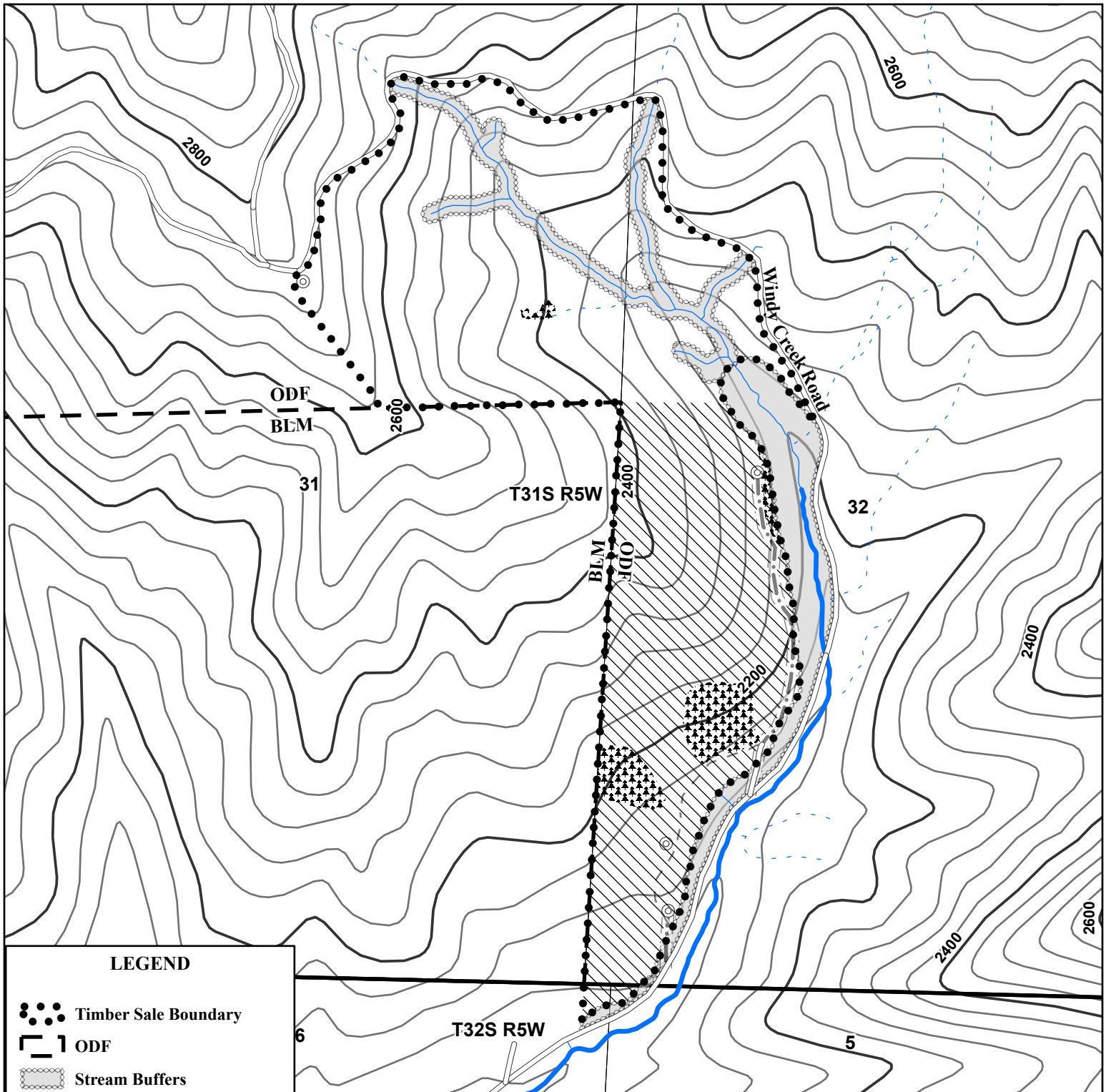
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
31S	05	31	001	0001	70.00	72	311	S	W

CL	68.1	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR		63.3	7.5	22,367	24,168	25,969			
GR FIR		256.7	30.2	2,209	3,166	4,123			
INC CED		284.1	33.5	325	488	651			
WHEMLOCK		555.4	65.4	145	419	692			
SUG.PINE		505.8	59.6	150	370	590			
<b>TOTAL</b>		<i>56.0</i>	<i>6.6</i>	<i>26,723</i>	<i>28,610</i>	<i>30,497</i>	<i>125</i>	<i>31</i>	<i>14</i>

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
DOUG FIR		60.2	7.1	5,183	5,579	5,974			
GR FIR		248.1	29.2	476	672	868			
INC CED		285.1	33.6	108	163	218			
WHEMLOCK		543.3	64.0	35	97	158			
SUG.PINE		509.8	60.0	30	76	121			
<b>TOTAL</b>		<i>51.7</i>	<i>6.1</i>	<i>6,185</i>	<i>6,586</i>	<i>6,987</i>	<i>107</i>	<i>27</i>	<i>12</i>

TC		PSTNDSUM		Stand Table Summary										Page 1		
														Date: 5/20/2025		
T31S R05W S31 Ty0001 70.00				Project 001						Time: 11:51:31AM						
				Acres 70.00						Grown Year:						
S Spc	T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
									Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF		8	1	87	79	1.515	.56	1.51	6.1	30.0	.26	9	45	18	6	3
DF		9	2	87	84	2.545	1.11	2.55	8.0	34.8	.58	20	89	41	14	6
DF		10	2	87	90	2.089	1.11	3.05	10.4	42.6	.90	32	130	63	22	9
DF		11	9	86	73	7.704	5.00	9.52	11.5	41.8	3.11	109	398	218	76	28
DF		12	8	88	89	5.828	4.44	10.24	11.6	42.8	3.39	119	438	237	83	31
DF		13	12	88	91	7.306	6.67	14.61	13.5	53.2	5.64	198	778	395	139	54
DF		14	8	88	99	4.162	4.44	8.83	17.3	71.9	4.34	152	634	304	107	44
DF		15	9	88	101	4.133	5.00	10.56	17.1	72.6	5.14	180	766	360	126	54
DF		16	14	89	102	5.652	7.78	14.11	20.6	86.9	8.27	290	1,225	579	203	86
DF		17	16	89	108	5.740	8.89	14.00	23.1	94.1	9.23	324	1,318	646	227	92
DF		18	13	89	109	4.104	7.22	10.09	27.8	112.2	8.00	281	1,133	560	197	79
DF		19	15	89	112	4.229	8.33	10.68	29.8	120.6	9.07	318	1,288	635	223	90
DF		20	16	89	118	4.110	8.89	11.03	33.2	141.5	10.45	367	1,561	732	257	109
DF		21	21	89	115	4.897	11.67	13.76	34.0	146.3	13.34	468	2,014	934	328	141
DF		22	15	89	112	3.191	8.33	8.94	37.0	160.4	9.43	331	1,434	660	232	100
DF		23	20	89	120	3.843	11.11	11.52	39.9	178.7	13.09	459	2,059	916	321	144
DF		24	24	89	121	4.248	13.33	12.75	43.8	197.3	15.92	559	2,515	1,115	391	176
DF		25	17	90	125	2.770	9.44	8.31	47.6	218.2	11.28	396	1,812	789	277	127
DF		26	8	89	123	1.205	4.44	3.61	49.3	220.8	5.08	178	798	356	125	56
DF		27	6	89	117	.844	3.33	2.54	50.5	224.6	3.65	128	569	255	90	40
DF		28	9	89	128	1.168	5.00	3.50	58.8	269.3	5.87	206	943	411	144	66
DF		29	4	90	135	.484	2.22	1.45	69.6	342.4	2.88	101	497	202	71	35
DF		30	2	89	121	.225	1.11	.67	63.1	288.3	1.21	43	194	85	30	14
DF		31	3	90	148	.318	1.67	.95	80.6	394.3	2.19	77	376	153	54	26
DF		32	2	89	137	.198	1.11	.69	67.6	348.1	1.33	47	241	93	33	17
DF		33	5	90	134	.471	2.78	1.51	80.4	393.2	3.45	121	593	242	85	41
DF		34	2	89	130	.179	1.11	.54	82.4	409.9	1.26	44	220	88	31	15
DF		36	1	90	126	.081	.56	.24	89.8	403.3	.62	22	98	43	15	7
DF		Totals	264	88	103	83.236	146.67	191.77	29.1	126.0	158.99	5,579	24,168	11,129	3,905	1,692
GF		12	1	91	86	.662	.56	1.32	13.8	55.0	.40	18	73	28	13	5
GF		14	1	92	112	.505	.56	1.52	14.6	70.0	.49	22	106	34	16	7
GF		17	1	92	92	.361	.56	.72	26.5	105.0	.42	19	76	29	13	5
GF		18	2	93	130	.619	1.11	2.16	25.7	122.6	1.22	55	265	85	39	19
GF		19	1	93	121	.279	.56	.84	30.7	143.3	.57	26	120	40	18	8
GF		20	1	94	134	.265	.56	.80	35.6	183.3	.62	28	146	44	20	10
GF		21	1	93	142	.229	.56	.69	42.2	213.3	.64	29	146	45	20	10
GF		22	1	92	108	.210	.56	.42	49.1	210.0	.46	21	88	32	14	6
GF		23	6	93	129	1.151	3.33	3.64	43.9	209.2	3.52	160	762	246	112	53
GF		24	3	93	120	.534	1.67	1.42	52.8	239.7	1.65	75	341	116	53	24
GF		25	2	93	129	.335	1.11	1.18	46.8	231.5	1.21	55	272	85	39	19
GF		26	2	93	118	.312	1.11	.94	48.9	231.7	1.01	46	217	70	32	15
GF		27	1	92	107	.139	.56	.28	78.2	330.0	.48	22	92	33	15	6
GF		32	2	94	142	.200	1.11	.70	75.2	386.7	1.16	53	272	82	37	19
GF		33	1	92	113	.091	.56	.18	116.2	505.0	.47	21	92	33	15	6
GF		41	1	92	113	.060	.56	.12	178.2	805.0	.47	21	97	33	15	7
GF		Totals	27	93	118	5.953	15.00	16.93	39.7	187.0	14.78	672	3,166	1,035	470	222
IC		13	1	80	57	.652	.56	.65	11.9	30.0	.18	8	20	12	5	1
IC		16	1	81	91	.383	.56	.77	18.0	45.0	.31	14	35	22	10	2
IC		17	1	81	82	.374	.56	.75	17.2	45.0	.29	13	34	20	9	2
IC		18	1	80	81	.314	.56	.63	17.8	65.0	.25	11	41	18	8	3
IC		19	1	81	68	.288	.56	.29	40.7	70.0	.26	12	20	18	8	1
IC		22	2	80	86	.415	1.11	.83	37.3	105.1	.70	31	87	49	22	6

TC PSTNDSUM		Stand Table Summary											Page 2		
T31S R05W S31 Ty0001 70.00		Project 001											Date: 5/20/2025		
		Acres 70.00											Time: 11:51:31AM		
													Grown Year:		
S Spc T	Sample DBH	Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
			FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
IC	29	4	80	108	.486	2.22	1.21	61.4	207.1	1.68	75	252	118	52	18
IC	Totals	11	80	81	2.913	6.11	5.13	31.8	95.1	3.67	163	488	257	114	34
WH	10	1	89	59	.999	.56	1.00	9.3	30.0	.30	9	30	21	6	2
WH	16	1	93	107	.408	.56	.82	21.8	90.0	.57	18	73	40	12	5
WH	20	1	91	96	.262	.56	.52	37.9	145.0	.64	20	76	45	14	5
WH	21	1	92	107	.222	.56	.67	36.0	170.0	.77	24	113	54	17	8
WH	22	1	93	120	.220	.56	.66	38.8	190.0	.82	26	126	58	18	9
WH	Totals	5	91	84	2.112	2.78	3.67	26.3	114.1	3.09	97	419	216	68	29
SP	32	1	90	116	.099	.56	.30	59.4	286.7	.43	18	86	30	12	6
SP	36	1	91	128	.077	.56	.31	68.3	355.0	.51	21	110	35	15	8
SP	43	1	92	120	.056	.56	.17	108.9	530.0	.44	18	90	31	13	6
SP	46	1	92	121	.049	.56	.15	126.9	583.3	.44	18	85	31	13	6
SP	Totals	4	91	121	.282	2.22	.92	82.1	401.0	1.82	76	370	127	53	26
Totals		311	88	103	94.496	172.78	218.42	30.2	131.0	182.35	6,586	28,610	12,765	4,610	2,003

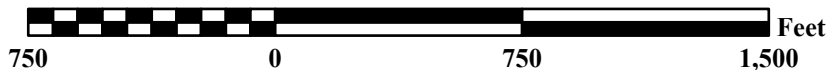


**LEGEND**

- Timber Sale Boundary
- ODF
- Stream Buffers
- Reserve Tree Area
- Ground Based
- Landings
- Roads**
- All weather Road
- Logger Option Spurs
- New Road Construction
- Streams**
- Fish, Perennial
- Non-Fish, Perennial
- Non-Fish, Seasonal

**LOGGING MAP**

OF TIMBER CONTRACT NO. 341-2026-W01261-01  
 WIND CHIME  
 PORTIONS OF SECTIONS 31 AND 32 OF T31S,  
 R05W, AND SECTIONS 6 AND 5 OF T32S, R05W W.M.  
 DOUGLAS COUNTY, OREGON



This product is for informational use and may not  
 have been prepared for, or suitable for legal, engineering, or  
 surveying purposes

**Yarding**  
 Cable = 58%  
 Ground = 42%  
 Gross Acres: 82  
 Net Acres: 71



"STEWARDSHIP IN FORESTRY"



**Scale**  
 1 : 7,000  
 Contours = 40 Feet