



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$12,269.62	\$0.00	\$12,269.62
		Project Work:	\$0.00
		Advertised Value:	\$12,269.62



Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Timber Description

Location: Section 29 of T17S R08W, Lane County, Oregon, W.M.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	17	0	100
Western Hemlock / Fir	12	0	100

Volume by Grade	Camprun	Total
Douglas - Fir	56	56
Western Hemlock / Fir	5	5
Total	61	61

Comments: Local Pond Values Used: May 2024

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

Hauling Cost Allowance = equivalent to \$1250 daily truck cost

Other Costs (With Profit & Risk to be added): None

Other Costs (No Profit & Risk Added: None



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
	Western Hemlock / Fir	100.00%
Logging System:	Shovel	Process: Manual Falling/Delimbing
yarding distance:	Short (400 ft)	downhill yarding: No
tree size:	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	9	bd. ft / load: 4500
cost / mbf:	\$246.92	
machines:	Shovel Logger	



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Logging Costs

Operating Seasons: 1.00	Profit Risk: 15%
Project Costs: \$0.00	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$0.00

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	4.1
Western Hemlock / Fir	\$0.00	3.0	4.1



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$246.92	\$0.00	\$71.95	\$101.63	\$0.00	\$63.08	\$0.00	\$2.00	\$0.00	\$485.58
Western Hemlock / Fir									
\$246.92	\$0.00	\$71.95	\$101.63	\$0.00	\$63.08	\$0.00	\$2.00	\$0.00	\$485.58

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$700.00	\$214.42	\$0.00
Western Hemlock / Fir	\$0.00	\$538.00	\$52.42	\$0.00



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Tilden Switchback Salvage
Sale WL-342-2025-W01204-01

District: Western Lane

Date: May 20, 2024

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	56	\$214.42	\$12,007.52
Western Hemlock / Fir	5	\$52.42	\$262.10

Gross Timber Sale Value

Recovery: \$12,269.62

Prepared By: Griffin Puls

Phone: --

Cruise Report

Tilden Switchback Salvage
SALE #342-2025-W01204-01

Sale Area: Portions of Section 29, T17S, R8W, W.M., Lane County, Oregon. There is approximately 2.5 acres of harvestable salvage timber in this sale alongside an existing road. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

Stand Description: Tilden Switchback Salvage is dominated by Douglas-fir and has a small component of western hemlock. The harvest area is on the west side of a ridgeline road that is approximately 1500-feet long. The slopes in the sale area range from 50-80%. The winter storm damaged timber is located primarily adjacent to the road edge. There is 3.8-MBF of decked Douglas-fir logs from clearing the road into the sale area.

Computation Procedures: Volume was computed by manually counting damaged trees in the sale area, and cruising 5 representative trees for the unit. The 5 trees cruised represented a specific percentage of the stand. The board foot volumes were expanded to represent trees to be removed.

Volume Table:

Species	Avg. DBH	Total MBF
Douglas-fir	17.6	56.7
Western Hemlock	12.3	4.7
Total MBF		61.4

Merchantable (MBF): 61.4

Cruise Data & Expansion:

Cruise Data						Volume per Tree
Species	DBH	FF	BL	Top D	THT	BF
DF	19.5	93	104	6	118	382.8
DF	17.5	89	99	6	128	356.7
DF	9.3	88	37	6	77	32.8
DF	24.2	90	122	6	144	794.9
WH	12.3	92	85	6	131	174.2

Cut and Decked Douglas-fir logs from clearing spur

Stand		Total Volume
% of Stand	Trees	MBF
22%	39.6	15.2
23%	41.4	14.8
25%	45	1.5
15%	27	21.5
15%	27	4.7
Decked DF		3.8
Total	180	61.4