



Timber Sale Appraisal
Earth Wind and Fire Salvage
Sale FG-343-2017-01-

District: Forest Grove

Date: August 01, 2016

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$26,442.00	\$0.00	\$26,442.00
		Project Work:	\$0.00
		Advertised Value:	\$26,442.00



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Timber Description

Location: Portions of Sections 19, 29, and 30, T2N, R5W, W.M., Washington County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	17	0	95

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	52	42	10	104
Total	52	42	10	104

Comments: Pond Values Used: 2nd Quarter Calendar Year 2016.

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
\$92.62/MBF = \$435/MBF - \$342.38/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$832.62/MBF = \$1,175/MBF - \$342.38/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
\$267.62/MBF = \$610/MBF - \$342.38/MBF

SCALING COST ALLOWANCE = \$5.00/MBF

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$780 daily truck cost.

Other Costs (with Profit & Risk to be added):
Bucking: \$10/MBF x 104 MBF = \$1,040
TOTAL Other Costs (with Profit & Risk to be added)= \$1,040

Other Costs (No Profit & Risk added):
Block Roads/Skid Trails: 3 hrs x \$150/hour = \$450
Pile Landing Slash: 5 hrs x \$150/hour = \$750
Equipment Cleaning: 2 x \$1,000/Piece = \$2,000
TOTAL Other Costs (No Profit & Risk added)= \$3,200



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Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
Logging System:	Shovel	Process: Manual Delimbing
yarding distance:	Short (400 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	5	bd. ft / load: 4600
cost / mbf:	\$144.67	
machines:	Shovel Logger	



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Logging Costs

Operating Seasons: 0.00	Profit Risk: 25%
Project Costs: \$0.00	Other Costs (P/R): \$1,040.00
Slash Disposal: \$0.00	Other Costs: \$3,200.00

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	2.0	4.6



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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling / Brand & Paint	Other	Total
Douglas - Fir									
\$144.67	\$0.00	\$0.00	\$89.02	\$10.00	\$60.92	\$0.00	\$7.00	\$30.77	\$342.38

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$596.63	\$254.25	\$0.00



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Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	104	\$254.25	\$26,442.00

Gross Timber Sale Value

Recovery: \$26,442.00

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**TIMBER SALE SUMMARY
AND
CRUISE REPORT
Earth Wind and Fire Salvage
343-17-01**

LOCATION: Portions of Sections 19, 29 and 30, T2N, R5W, W.M., Washington County, Oregon.

Type of Sale: This timber sale is a 3 acre salvage sale plus scattered windthrow within 100 feet of roads shown on Exhibit A. The timber will be sold on a recovery basis at a sealed bid auction.

Revenue Distribution: 100% BOF, 100% Washington County.

Timber Description: The Timber Sale Area consists of two areas. Area 1 is a stand of Douglas-fir that was subject to fire damage during a controlled burn in Spring of 2016. Area 2 consists of a stand of Douglas-fir that was subject to a windthrow event in the fall-winter of 2015. The average DBH of the Douglas-fir component is approximately 17”.

Topography and Logging Method: Slopes within the sale areas range from 5% to 30% and are variable in aspect. The Sale Area is 100% ground-based yarding. Yarding distances are short.

Access: From Forest Grove travel north on Highway 8 to its junction with Highway 6. Turn left and continue west approximately 8.6 miles to Rogers Camp Road. Turn left on Rodgers Camp Road and proceed through the gate and continue on Rodgers Camp Road for 1.9 miles. Turn right and follow the road .6 miles to the Timber Sale Area (Keys and lock combination are available at the Forest Grove District office).

Volume Estimate: The volume per acre, species composition, tree size, and grade characteristics were derived using stand information from the adjacent Fighting Phellini timber sale. Area 1 volume was derived by extrapolating the per acre volume from Fighting Phellini. Area 2 volume was derived by a tree count of downed and leaning trees, then extrapolated by the per tree volume from Fighting Phellini. Ten percent of the volume was subtracted from the estimated volumes to account for hidden defect and breakage.

Volume Summary (MBF):

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir (Area 1)	Estimated Volume	44	36	9	85
	Hidden D&B (10%)	(4)	(4)	(1)	
	NET TOTAL	40	32	8	80
	% of Total	50	41	9	
Douglas-fir (Area 2)	Estimated Volume	13	11	2	25
	Hidden D&B (10%)	(1)	(1)	()	
	NET TOTAL	12	10	2	24
	% of Total	50	41	6	
Sale Total		52	42	10	104