



Timber Sale Appraisal  
Cornered Wolf Salvage  
Sale FG-343-2016-649-

District: Forest Grove

Date: May 02, 2016

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**Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$47,845.97	\$0.00	\$47,845.97
		Project Work:	\$0.00
		Advertised Value:	\$47,845.97



# Timber Sale Appraisal Cornered Wolf Salvage Sale FG-343-2016-649-

**District: Forest Grove**

**Date: May 02, 2016**

## Timber Description

**Location:** Portions of Section 36, T4N, R6W, W.M.,  
Clatsop County, Oregon, and portions of Section 1, T3N, R6W, W.M., Tillamook County, Oregon.

**Stand Stocking:** 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	98
Western Hemlock / Fir	14	0	98

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	124	39	5	168
Western Hemlock / Fir	3	7	1	11
<b>Total</b>	127	46	6	179

**Comments:** Pond Values Used: 1st Quarter Calendar Year 2016.

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:  
\$851.43/MBF = \$1,185/MBF - \$333.57/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:  
\$271.43/MBF = \$605/MBF - \$333.57/MBF

SCALING COST ALLOWANCE = \$5.00/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):  
Brand and Paint: 179 MBF x \$2/MBF = \$358  
Extra Bucking Costs: 179 MBF x \$25/MBF = \$4,475  
TOTAL Other Costs (with Profit & Risk to be added)= \$4,833

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

Road Maintenance:  
Move-in: \$2,000  
General Road Maintenance: 2.0 miles x \$600/mile = \$1,200  
TOTAL Road Maintenance: \$3,200/179 MBF = \$17.88/MBF



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**Logging Conditions**

**Combination#: 1**                      Douglas - Fir                      50.00%  
   Western Hemlock / Fir                      50.00%

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

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

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

**loads / day:** 11                      **bd. ft / load:** 4100

**cost / mbf:** \$124.17

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

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**Combination#: 2**                      Douglas - Fir                      50.00%  
   Western Hemlock / Fir                      50.00%

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

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

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

**loads / day:** 10                      **bd. ft / load:** 4100

**cost / mbf:** \$77.37

**machines:** Stroke Delimber (B)

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### Logging Costs

Operating Seasons: 1.00	Profit Risk: 20%
Project Costs: \$0.00	Other Costs (P/R): \$4,833.00
Slash Disposal: \$0.00	Other Costs: \$3,200.00

Miles of Road

Road Maintenance: \$17.88

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	4.5
Western Hemlock / Fir	\$0.00	2.0	3.8



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### Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling	Other	Total
<b>Douglas - Fir</b>									
\$100.77	\$18.24	\$24.50	\$88.40	\$27.00	\$51.78	\$0.00	\$5.00	\$17.88	\$333.57
<b>Western Hemlock / Fir</b>									
\$100.77	\$18.24	\$24.50	\$104.68	\$27.00	\$55.04	\$0.00	\$5.00	\$17.88	\$353.11

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$612.47	\$278.90	\$0.00
Western Hemlock / Fir	\$0.00	\$443.18	\$90.07	\$0.00



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**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	168	\$278.90	\$46,855.20
Western Hemlock / Fir	11	\$90.07	\$990.77

**Gross Timber Sale Value**

**Recovery:** \$47,845.97

**Prepared By:** Eric Foucht

**Phone:** 503-359-7473

**TIMBER SALE SUMMARY  
AND  
CRUISE REPORT  
Cornered Wolf Salvage  
343-16-649**

**LOCATION:** Portions of Section 36, T4N, R6W, W.M., Clatsop County, Oregon; and Portions of Section 1, T3N, R6W, Tillamook County, Oregon.

**Type of Sale:** This timber sale is a 12 acre salvage sale. The timber will be sold on a recovery basis at a sealed bid auction.

**Revenue Distribution:** 100% BOF, 50% Tillamook County, Tax Code 56-1; 50% Clatsop County, Tax Code 8-01.

**Timber Description:** The Timber Sale Area consists of a stand of Douglas-fir and western hemlock that was subject to a windthrow event in the fall-winter of 2016 where a majority of the trees in the sale area have blown down. The average DBH of the Douglas component is approximately 20”.

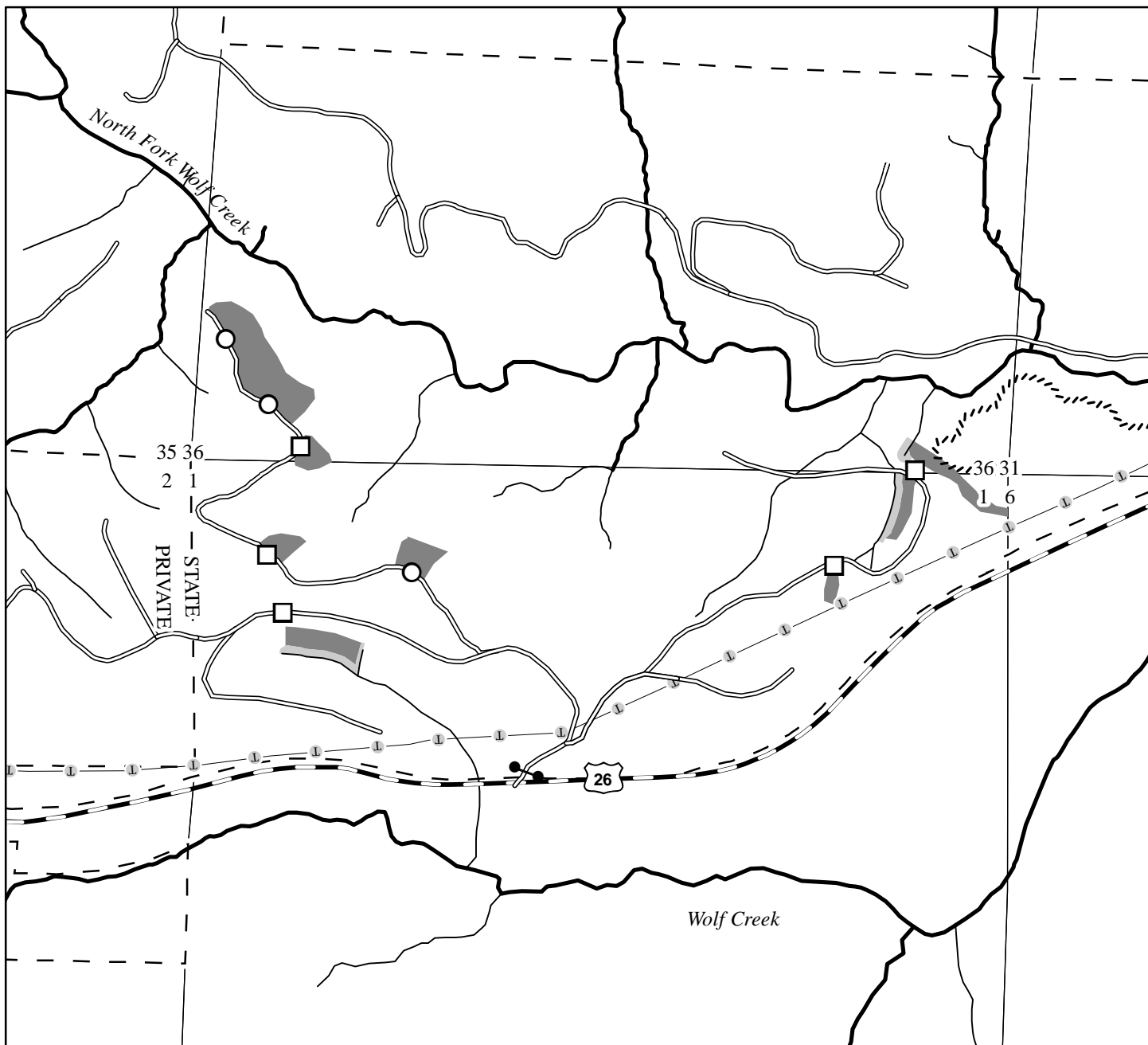
**Topography and Logging Method:** Slopes within the sale areas range from 10% to 60% and are variable in aspect. The Sale Area is 50% ground-based yarding, and 50% cable-based yarding. Yarding distances are short.

**Access:** From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 18 miles. Between the 33 and the 34 mile markers, turn north onto an un-named spur Road and continue approximately 1/2 mile to the Timber Sale Area.

**Volume Estimate:** The volume per acre, species composition, tree size, and grade characteristics were derived from an ocular assessment of the Timber Sale Area and inventory and cruise information gathered from adjoining stands. 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	Estimated Volume	138	43	6	187
	Hidden D&B (10%)	(14)	(4)	(1)	(19)
	<b>NET TOTAL</b>	<b>124</b>	<b>39</b>	<b>5</b>	<b>168</b>
	% of Total	74	23	3	
Western hemlock	Estimated Volume	3	8	1	12
	Hidden D&B (10%)		(1)	(0)	(1)
	<b>NET TOTAL</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>11</b>
	% of Total	23	69	8	
Sale Total		<b>127</b>	<b>46</b>	<b>6</b>	<b>179</b>



### Legend

- Timber Sale Area
- Roads
- Highways
- Recreation Trail
- Fish Stream
- Nonfish Stream
- Stream Buffers
- Cable Landing
- Tractor Landing
- Underground Utility Lines
- Gate
- ODF Ownership Boundary
- Sections

## LOGGING PLAN

FOR TIMBER SALE CONTRACT # 343-16-649  
 CORNERED WOLF SALVAGE  
 PORTIONS OF SECTION 36, T4N, R6W, W.M.  
 CLATSOP COUNTY, OREGON  
 AND PORTIONS OF SECTION 1, T3N, R6W, W.M.  
 TILLAMOOK COUNTY, OREGON

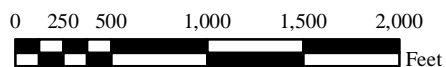
Forest Grove District GIS

April, 2016

This product is for informational use and may not be  
 suitable for legal, engineering, or surveying purposes.

1:12,000

1 inch = 1,000 feet



Approximate Net Acres Cable = 6  
 Approximate Net Acres Tractor = 6