



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Baconator Salvage

Sale FG-341-2016-97-

District: Forest Grove

Date: April 11, 2016

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$117,349.02	\$0.00	\$117,349.02
		Project Work:	\$0.00
		Advertised Value:	\$117,349.02



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Timber Description

Location: Portions of Section 11, T3N, R6W, W.M., Tillamook County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	22	0	98
Western Hemlock / Fir	14	0	98

Volume by Grade	2S	3S	4S	Total
Douglas - Fir	270	108	36	414
Western Hemlock / Fir	0	23	13	36
Total	270	131	49	450

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

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
 $\$854.16/\text{MBF} = \$1,185/\text{MBF} - \$330.84/\text{MBF}$

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
 $\$274.16/\text{MBF} = \$605/\text{MBF} - \$330.84/\text{MBF}$

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: $450 \text{ MBF} \times \$2/\text{MBF} = \900

Extra Bucking Costs: $450 \text{ MBF} \times \$25/\text{MBF} = 11,250$

Non-Project Road Construction: $8 \text{ sta} @ \$200/\text{sta} = \$1,600$

TOTAL Other Costs (with Profit & Risk to be added) = \$13,750

Other Costs (No Profit & Risk added):

Block/Waterbar Roads/Skid Trails: $3 \text{ hrs} \times \$150/\text{hour} = \450

Pile Landing Slash/Sort Firewood: $5 \text{ hrs} \times \$150/\text{hour} = \750

Equipment Cleaning: $2 \times \$1,000/\text{Piece} = \$2,000$

TOTAL: Other Costs (No Profit & Risk added) = \$3,200

Road Maintenance:

Move-in: \$2,000

General Road Maintenance: $6.5 \text{ miles} \times \$600/\text{mile} = \$3,900$

TOTAL Road Maintenance: $\$5,900/450 \text{ MBF} = \$13.11/\text{MBF}$



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Logging Conditions

Combination#: 1 Douglas - Fir 80.00%
 Western Hemlock / Fir 80.00%

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

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

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

loads / day: 7 **bd. ft / load:** 4600

cost / mbf: \$173.91

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

Combination#: 2 Douglas - Fir 20.00%
 Western Hemlock / Fir 20.00%

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

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

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

loads / day: 11 **bd. ft / load:** 4600

cost / mbf: \$62.69

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): \$13,750.00

Slash Disposal: \$0.00

Other Costs: \$3,200.00

Miles of Road

Road Maintenance: \$13.11

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	4.4
Western Hemlock / Fir	\$0.00	3.0	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
Douglas - Fir									
\$151.67	\$13.37	\$9.74	\$60.27	\$30.56	\$53.12	\$0.00	\$5.00	\$7.11	\$330.84
Western Hemlock / Fir									
\$151.67	\$13.37	\$9.74	\$69.79	\$30.56	\$55.03	\$0.00	\$5.00	\$7.11	\$342.27

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$607.17	\$276.33	\$0.00
Western Hemlock / Fir	\$0.00	\$424.17	\$81.90	\$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	414	\$276.33	\$114,400.62
Western Hemlock / Fir	36	\$81.90	\$2,948.40

Gross Timber Sale Value

Recovery: \$117,349.02

Prepared By: Eric Foucht

Phone: 503-359-7473

**TIMBER SALE SUMMARY
AND
CRUISE REPORT
Baconator Salvage
341-16-97**

LOCATION: Portions of Section 11, T3N, R6W, W.M., Tillamook County, Oregon.

Type of Sale: This timber sale is a 10 acre salvage sale. The timber will be sold on a recovery basis at a sealed bid auction.

Revenue Distribution: 100% BOF, Tillamook County, Tax Code 56-1

Sale Acreage: Acres include new road construction prism. Acreage was determined using ESRI ArcMap GIS software.

Timber Description: The Timber Sale Area consists of a stand of Douglas-fir with a minor component of 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 22". The western hemlock is approximately 14" DBH.

Topography and Logging Method: Slopes within the sale areas range from 10% to 60% and are variable in aspect. The Sale Area is 20% ground-based yarding, and 80% cable-based yarding. Yarding distances are generally short.

Access: From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 11 ½ miles to the Timber Road. Turn left and proceed south on the Timber Road .7 miles to the Lousignont Road. Turn right and continue west on Lousignont Road for 2 miles to Swede Fiddle Road. Turn right and proceed on Swede Fiddle Road 1.7 miles to a spur on the right. Turn right and continue north on the unsurfaced road to its end near the west side of the timber sale area.

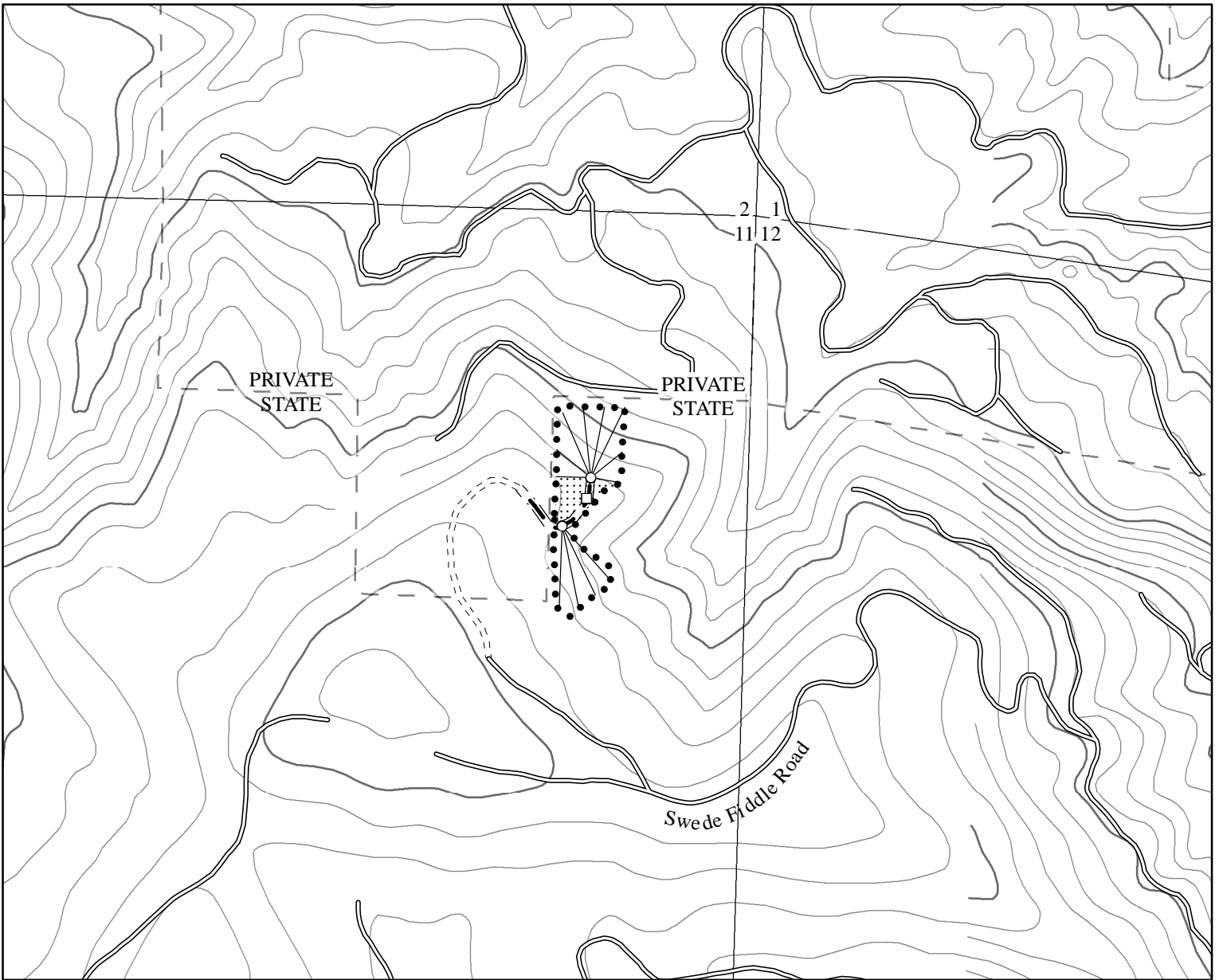
Projects: None

Volume Estimate: The volume per acre, species composition, tree size, and grade characteristics were derived from an ocular assessment of the Timber Sale Area along with inventory and cruise information gathered from adjoining stands.

Deductions: Ten percent of the volume was subtracted from the estimated volumes to account for hidden defect and breakage.

Volume Summary:

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Estimated Volume	300	120	40	460
	Hidden D&B	(30)	(12)	(4)	(46)
	NET TOTAL	270	108	36	414
	% of Total				
Western hemlock	Estimated Volume		25	15	40
	Hidden D&B (2%)		(2)	(2)	(4)
	NET TOTAL	0	23	13	36
	% of Total	0	25	2	
Sale Total		270	131	49	450



Legend

- Timber Sale Boundary
- Surfaced Road
- ==== Unsurfaced Road
- == New Road Construction
- ∠ Cable Yarding Area
- ▤ Tractor Yarding Area
- Cable Landing
- Tractor Landing
- ODF Ownership Boundary
- ▭ Section Line
- 400 Foot Contour Band
- 80 Foot Contour Band

LOGGING PLAN

OF TIMBER SALE CONTRACT NO 341-16-97
 BACONATOR SALVAGE
 PORTIONS OF SECTION 11, T3N, R6W, W.M.
 TILLAMOOK COUNTY, OREGON

Forest Grove District GIS
 February, 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



Cable Yarding = 8 Acres
 Tractor Yarding = 2 Acres