

Timber Sale Appraisal Rooster Cogburn

Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$3,024,831.08	\$0.00	\$3,024,831.08
		Project Work:	(\$241,895.00)
		Advertised Value:	\$2,782,936.08



Timber Sale Appraisal Rooster Cogburn Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	24	0	98
Western Hemlock / Fir	22	0	98

Volume by Grade	2\$	3S & 4S 6"- 11"	Total
Douglas - Fir	4,276	812	5,088
Western Hemlock / Fir	64	13	77
Total	4,340	825	5,165

Comments: Pond Values Used: Local Pond Values, January 2021.

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:

\$420.55/MBF = \$603/MBF - \$182.45/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:

\$942.55/MBF = \$1,125/MBF - \$182.45/MBF

Noble fir and Other Conifers Stumpage Price = Pond Value minus Logging Cost:

427.72/MBF = 624.14/MBF - 196.42/MBF

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$950 daily truck cost.

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

Other Costs (No Profit & Risk added):

Machine Time to Block/Waterbar Roads, and Skid Trails:

10 hours x \$150/hour = \$1.500

Machine Time to Pile Landing Slash and Sort Firewood:

20 hours x \$150/hour = \$3,000

Equipment Cleaning: 3 pieces x \$1,000/Piece = \$3,000

Slash Disposal: 33 acres x \$200/acre = \$6,600

TOTAL Other Costs (No Profit & Risk added) = \$14,100

ROAD MAINTENANCE

Move-in (Includes: Move-in, Grading, Rolling and Spot Rocking):

\$3,183.84

General Road Maintenance: 6.17 Miles X \$2,409.38 = \$14,865.87 TOTAL Road Maintenance: \$18,049.71 / 5,165MBF = \$3.49/MBF



Timber Sale Appraisal Rooster Cogburn

Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

Logging Conditions

Combination#: 1 Douglas - Fir 26.80%

Western Hemlock / Fir 27.00%

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: 4700

cost / mbf: \$127.66

machines: Log Loader (A)

Stroke Delimber (A) Tower Yarder (Medium)

Combination#: 2 Douglas - Fir 73.20%

Western Hemlock / Fir 73.00%

Logging System: Shovel **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: 12 bd. ft / load: 4100

cost / mbf: \$64.47

machines: Stroke Delimber (B)



Timber Sale Appraisal Rooster Cogburn

Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

Logging Costs

Operating Seasons: 1.00

Profit Risk: 15%

Project Costs: \$241,895.00

Other Costs (P/R): \$0.00

Slash Disposal: \$0.00

Other Costs: \$14,100.00

Miles of Road

Road Maintenance:

\$3.49

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	4.7
Western Hemlock / Fir	\$0.00	3.0	4.0



Timber Sale Appraisal Rooster Cogburn

Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas -	Fir								
\$81.40	\$3.56	\$0.85	\$68.73	\$0.00	\$23.18	\$0.00	\$2.00	\$2.73	\$182.45
Western H	emlock	/ Fir							
\$81.53	\$3.56	\$0.85	\$80.75	\$0.00	\$25.00	\$0.00	\$2.00	\$2.73	\$196.42

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$770.48	\$588.03	\$0.00
Western Hemlock / Fir	\$0.00	\$624.14	\$427.72	\$0.00



Timber Sale Appraisal Rooster Cogburn Sale FG-341-2021-W00237-01

District: Forest Grove Date: March 10, 2021

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	5,088	\$588.03	\$2,991,896.64
Western Hemlock / Fir	77	\$427.72	\$32,934.44

Gross Timber Sale Value

Recovery: \$3,024,831.08

Prepared By: Kenton Burns Phone: 503-359-7477

TIMBER SALE SUMMARY Rooster Cogburn #FG-341-2021-W00237-01

- **1.** <u>Location</u>: Portions of Sections 25 & 26, T3N, R6W, W.M., Tillamook County, Oregon, and portions of Section 35, T3N, R6W, W.M., Washington County Oregon.
- 2. <u>Type of Sale</u>: This timber sale is 89 net acres of Modified Clearcut, and 1 acre of Right-of-Way Timber. The timber will be sold on a recovery basis at a sealed bid auction.
- **3.** Revenue Distribution: 100% BOF, 24% Washington County, 76% Tillamook County (Tax Code 56-1).
- **4.** <u>Sale Acreage</u>: Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
- **5.** <u>Cruise</u>: The Timber Sale was cruised by ODF Cruisers in February of 2021. For more information see Cruise Report.
- **6.** <u>Timber Description</u>: The Timber Sale Area consists of an over-stocked 80 year old Douglas-fir stand with minor amounts of western hemlock, western redcedar, true firs, and hardwoods. The stand has an average of 232 ft² of basal area per acre for all species, an average Douglas-fir DBH of 24 inches, and an estimated average net Douglas-fir volume of approximately 56.7 MBF per acre.
- 7. <u>Topography and Logging Method</u>: Slopes within the sale areas range from 5% to 80%, but are generally less than 35%, and variable in aspect. The timber sale is 73% ground-based yarding and 27% cable yarding. The average cable corridor length is 450 feet and the maximum is approximately 1,100 feet. The average horizontal skid trail length is approximately 200 feet and the maximum is approximately 500 feet.
- 8. Access: All access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 8 to its junction with Highway 6. Turn left and travel west approximately 3.5 miles to Timber Road. Turn right, proceed north on Timber Road approximately 6.5 miles, and turn left onto Cochran Road. Continue west on Cochran Road for 3.8 miles to the Round Top Road and turn left. Continue for 0.3 miles on Round Top Road and turn right onto the Gold Miner Spur. Continue for approximately 1 mile, and turn right on a spur road to the southern portion of the Timber Sale Area.

9. Projects:

Project No. 1: Rocked Road Construction	\$161,332.89
Project No. 2: Road Improvement	\$76,967.40
Project No. 3: Gate Installation	\$3,594.71

Total Credit for all Projects (rounded) \$241,895.00

PROJECT COST SUMMARY SHEET

Timber Sale: Rooster Cogburn Sale Number: FG-341-2021-W00237-01

PROJECT NO 1:	ROCKED ROAD	CONSTRUCTION
I NOULUI NO. I.	NOCKED KOAD	CONSTRUCTION

PROJECT NO. 1: ROCKED ROAD CONSTRUC	TION		
	Road Segment	Length	Cost
•	B to C	42+70	\$80,277.08
	D to E	19+10	\$35,359.01
	F to G	1+75	\$6,347.64
	H to I	14+10	\$28,640.76
	J to K	2+40	\$5,376.74
•		80+05 stations	+ • 10 · • • • • • • • • • • • • • • • • • •
		1.52 miles	
Total Rock =			
	2,549 cy	1½" - 0	
	3,811 cy	3" - 0	
	117 cy	Pit-run	
	12 cy	Large Riprap	
	·	- ' '	
		Move-in =	\$5,331.66
		TOTAL PROJECT COST =	\$161,332.89
PROJECT NO. 2: ROAD IMPROVEMENT			
PROJECT NO. 2: ROAD IMPROVEMENT	Road Segment	Length	Cost
PROJECT NO. 2: ROAD IMPROVEMENT	Road Segment	Length	Cost
PROJECT NO. 2: ROAD IMPROVEMENT	A to B	161+65	\$68,824.45
PROJECT NO. 2: ROAD IMPROVEMENT		161+65 7+25	
PROJECT NO. 2: ROAD IMPROVEMENT	A to B	161+65 7+25 168+90 stations	\$68,824.45
	A to B	161+65 7+25	\$68,824.45
PROJECT NO. 2: ROAD IMPROVEMENT Total Rock =	A to B L to M	161+65 7+25 168+90 stations 3.20 miles	\$68,824.45
	A to B L to M	161+65 7+25 168+90 stations 3.20 miles	\$68,824.45
	A to B L to M 4,301 cy 319 cy	161+65 7+25 168+90 stations 3.20 miles 1½" - 0 3" - 0	\$68,824.45
	A to B L to M	161+65 7+25 168+90 stations 3.20 miles	\$68,824.45
	A to B L to M 4,301 cy 319 cy	161+65 7+25 168+90 stations 3.20 miles 1½" - 0 3" - 0	\$68,824.45
	A to B L to M 4,301 cy 319 cy	161+65 7+25 168+90 stations 3.20 miles 1½" - 0 3" - 0 Large Riprap	\$68,824.45 \$4,919.74
	A to B L to M 4,301 cy 319 cy	161+65 7+25 168+90 stations 3.20 miles 1½" - 0 3" - 0 Large Riprap Move-in =	\$68,824.45 \$4,919.74 \$3,223.21
	A to B L to M 4,301 cy 319 cy	161+65 7+25 168+90 stations 3.20 miles 1½" - 0 3" - 0 Large Riprap Move-in =	\$68,824.45 \$4,919.74 \$3,223.21

PROJECT NO. 3: GATE INSTA

_	Location	Gate Size	Cost
_	Point N	20'	\$3,444.17
Total Rock =	24 cy 12 cy	1½" - 0 Blocking Boulders	
		Move-in =	\$150.54
		TOTAL PROJECT COST =	\$3,594.71

TOTAL CREDITS = \$241,895.00

Timber Sal		ooster Cog		110110001	Sale Number:	FG-341-202	1-W00237-01
Road Segmer		A to B	Dairi	-	mprovement:		stations
				<u>-</u>			
PROJECT NO. 2							
IMPROVEMENT		_					
Clearing & grubbing (scatter)	1.86		\$1,078.00	•		\$2,005.08	
Construct Settling Ponds	6	ea @	\$25.00	per ea =		\$150.00	
Improve Turnouts	22	ea @	\$33.00	per ea =		\$726.00	
Grade, ditch, & roll	161.65	sta @	\$36.00	per sta =		\$5,819.40	
				TOTAL II	MPROVEMEN	IT COSTS =	\$8,700.48
CULVERTS							· · · · · · · · · · · · · · · · · · ·
Culverts and Bands							
18" Diameter	80	LF @	\$20.00	per LF =		\$1,600.00	
24" Band	2	ea @	\$29.43	per ea =		\$58.86	
Markers & Stakes				'			
Culvert Markers	2	ea @	\$10.00	per ea =		\$20.00	
					•		
				<u>TO</u>	TAL CULVER	RT COSTS =	\$1,678.86
ROCK							
	Rock	Base	Haul Cost		Total CY	Rock Cost	
	Size	Cost \$/cy	\$/cy	Processing Cost \$/	cy Total 01	Nock Cost	
Subgrade rock		<u> </u>					
Bedding and backfill	1½" - 0	\$0.98	\$11.26	\$0.50	24	\$305.76	
Energy dissipator	24"-12"	\$1.78	\$11.26	\$1.60	12	\$175.68	
		•		Subtotal =	36	\$481.44	
Surfacing rock							
Surfacing rock	1½" - 0	\$0.98	\$11.26	\$1.22	3,991	\$53,718.86	
Junction	1½" - 0	\$0.98	\$11.26	\$1.22	132	\$1,776.72	
Turnout	1½" - 0	\$0.98	\$11.26	\$1.22	154	\$2,072.84	
				Subtotal =	4,277	\$57,568.42	
			Totals	All Rock			
				1½" -			
				Ripra	p = 12		
					TOTAL DOG	W COSTS	# 50.040.00
					TOTAL ROC	K COSTS =	\$58,049.86
EROSION CONTROL							
Grass seed & fertilizer	0.93	ac @	\$425.00	per ac =		\$395.25	
				TOTAL EDGS		N COSTS -	\$395.25
				TOTAL EROS	ION CONTRO	<u> </u>	დაფა. <u>გა</u>
				<u>T</u>	OTAL PROJE	CT COST =	\$68,824.45

Timber Color		acatar Caa			Colo Number	EC 244 20	NA MONAZ 04
Timber Sale:		ooster Cog	uuiii	_)21-W00237-01
Road Segment:		B to C		_	Construction:	42+70 0.81	stations miles
						0.81	miles
PROJECT NO. 1							
CONSTRUCTION							
Clearing & grubbing (scatter)	4.91		\$1,078.00	•		\$5,292.98	
Balanced road construction	41.35	sta @	\$110.00	per sta =		\$4,548.50	
Drift	1.35	sta @	\$180.00	per sta =		\$243.00	
Adverse Drift	1.70	sta @	\$540.00	per sta =		\$918.00	
Fill Construction							
Drift & compact fill	500	cy @	\$1.40	per cy =		\$700.00	
"Y" junction	1.00	sta @	\$110.00	per sta =		\$110.00	
Turnouts	6	ea @	\$66.00			\$396.00	
Turnarounds	1	ea @		per ea =		\$82.50	
Landing	1	ea @	\$220.00			\$220.00	
Grade, ditch, & roll	42.70	sta @	\$36.00	per sta =		\$1,537.20	
orace, and orac	0	0.0	Ψσσ.σσ	•			-
CHIVEDTS				TOTAL C	<u>ONSTRUCTIO</u>	N COSTS =	\$14,048.18
CULVERTS Culverts and Bands	•						
18" Diameter	100	15@	<u></u>			#2 000 00	
	190	LF @	\$20.00	per LF =		\$3,800.00	
24" Diameter	50	LF @	\$29.00	per LF =		\$1,450.00	
30" Band	1	ea@	\$73.58	per ea =		\$73.58	
Markers & Stakes							
Culvert markers	7	ea @	\$10.00	per ea =		\$70.00	
Additional Installation Cost							
Puncheon Removal - Culvert No. 7	2	hrs @	\$175.00	per hr =	_	\$350.00	_
				T	TAL CULVED	TCOSTS	¢E 7/2 E0
ROCK				<u>10</u>	OTAL CULVER	1 00313 =	\$5,743.58
KOOK				1			7
	Rock	Base	Haul Cost	Placemen			
	Size	Cost \$/cy	\$/cy	Processin		Rock Cost	
	0120	Ουσι φ/υγ	φ/оу	Cost \$/cy	<i>'</i>]
Subgrade rock							-
Energy dissipator	24"-12"	\$10.53	\$2.00	\$1.60	12	\$169.56	
Subgrade reinforcement	Pitrun	\$10.53	\$2.00	\$0.75	117	\$1,553.76	
-	i			Subtotal =	= 129	\$1,723.32	_
Surfacing rock	0" 0	#0.00	045.00	T #4.00	1 4 204	#00.000.00	1
Base rock	3" - 0	\$0.98	\$15.80	\$1.22	1,324	\$23,832.00	
Surfacing rock	1½" - 0	\$0.98	\$15.80	\$1.22	1,324	\$23,832.00	
"Y" Junction	1½" - 0	\$0.98	\$15.80	\$1.22	65	\$1,170.00	
Junction	3" - 0	\$0.98	\$15.80	\$1.22	192	\$3,456.00	1
Turnout	3" - 0	\$0.98	\$15.80	\$1.22	174	\$3,132.00	1
Turnaround	3" - 0	\$0.98	\$15.80	\$1.22	20	\$360.00	
Landing	3" - 0	\$0.98	\$15.80	\$1.22	95	\$1,710.00	
				Subtotal =	= 3,194	\$57,492.00	
			.	A II D			
			Totals	All Roo			
				1½" -			
				Pit-ru			
				Ripra	ap = 12		
					TOTAL ROC	K COSTS =	\$59,215.32
EDOCION CONTROL							
EROSION CONTROL	0.40	a- 6	ΦΕΛΛ ΛΛ	norce		¢4 000 00	
Grass seed & fertilizer	2.46	ac @	\$500.00	per ac =		\$1,230.00	-
				TOTAL FROS	SION CONTRO	L COSTS =	\$1,270,00
							Ψ.,=

TOTAL PROJECT COST = \$80,277.08

	Timber Sale:	R	ooster Cog	burn		Sale Number:	FG-341-20)21-W00237-01
1	Road Segment:					Construction:		stations
					-		0.36	miles
PROJECT NO. 1								
CONSTRUCTION								
Clearing & grubbing (scatte	er)	2.20	ac @	\$1,078.00	per ac =		\$2,371.60	
Balanced road construction		18.05	sta @	\$110.00	per sta =		\$1,985.50	
Drift		1.05	sta @		per sta =		\$189.00	
Turnouts		3	ea @				\$198.00	
Turnarounds		1	ea @		•		\$82.50	
Roadside landing		1	ea @		•		\$165.00	
Landing		1	ea @				\$220.00	
Grade, ditch, & roll		19.10	sta @	\$36.00	per sta =		\$687.60	=
OLULVEDTO					TOTAL CO	ONSTRUCTIO	N COSTS =	\$5,899.20
CULVERTS								
Culverts and Bands		00		# 00.00			# 4 ** 000 ** 00	
18" Diameter		60	LF @	\$20.00			\$1,200.00	
24" Diameter		40	LF @	\$29.00			\$1,160.00	
30" Band		1	ea @	\$73.58	per ea =		\$73.58	
Markers & Stakes								
Culvert markers		3	ea @	\$10.00	per ea =		\$30.00	
DOOK					<u>TC</u>	OTAL CULVER	RT COSTS =	\$2,463.58
ROCK			ı	1			1	7
		Rock	Base	Haul Cost	Placement			
		Size	Cost \$/cy	\$/cy	Processing		Rock Cost	
		0120	οσοι φ <i>ι</i> σγ	φ/Оу	Cost \$/cy	•		
Surfacing rock								-
Base rock		3" - 0	\$0.98	\$15.63	\$1.22	592	\$10,555.36	
Surfacing rock		1½" - 0	\$0.98	\$15.63	\$1.22	592	\$10,555.36	
Turnout		3" - 0	\$0.98	\$15.63	\$1.22	87	\$1,551.21	
Turnaround		3" - 0	\$0.98	\$15.63	\$1.22	20	\$356.60	
Roadside landing		3" - 0	\$0.98	\$15.63	\$1.22	95	\$1,693.85	
Landing		3" - 0	\$0.98	\$15.63	\$1.22	95	\$1,693.85	
					Subtotal =	= 1,481	\$26,406.23]
				Totals	All Roc	ck = 1,481		
					1½" -			
					3" -			
EROSION CONTROL						-	•	
Grass seed & fertilizer		1.10	ac @	\$500.00	per ac =		\$550.00	
Straw mulch (bale)		4	ea @	\$10.00	per ea =		\$40.00	_
					TOTAL FROS	SION CONTRO	DL COSTS =	\$590.00
					. 5			
					Т	OTAL PROJE	CT COST =	\$35,359.01
					-			

Timber Sale:		ooster Cog	burn		Sale Number:	FG-341-2	021-W00237-01
Road Segment:		F to G		•	Construction:		stations
DDG IFOT NO. 4				-			<u>-</u>
PROJECT NO. 1 CONSTRUCTION							
Clearing & grubbing (scatter)	0.21	മറ @	\$1,078.00	ner ac –		\$226.38	
Balanced road construction	1.75	sta @				\$192.50	
"Y" junction	1.00		\$110.00			\$110.00	
Landing	1.00	ea @				\$220.00	
Grade, ditch, & roll	1.75	sta @		per ea =		\$63.00	
Grade, alteri, a roii	1.75	314 6	ψου.υυ	•			-
CHINERTO				TOTAL CO	NSTRUCTION	N COSTS =	\$811.88
CULVERTS							
Culverts and Bands	20	15@	#20.00	nor [900000	
18" Diameter Markers & Stakes	30	LF @	\$20.00	per LF =		\$600.00	
Culvert markers	1	ea @	\$10.00	nor 00 -		\$10.00	
Culveit markers	I	ea w	\$10.00	per ea =		\$10.00	
				TO	TAL CULVER	T COSTS =	\$610.00
ROCK							·
		l		Placement	./	I	1
	Rock	Base	Haul Cost	Processing		Rock Cost	
	Size	Cost \$/cy	\$/cy	Cost \$/cy	- I	ROCK COSI	
Curfacing rook				COSt \$/Cy]
Surfacing rock Base rock	3" - 0	\$1.35	\$15.47	\$1.22	55	\$992.19	1
Surfacing rock	1½" - 0	\$1.35	\$15.47	\$1.22	55	\$992.19	+
"Y" Junction	3" - 0	\$1.35	\$15.47	\$1.22	65	\$1,172.59	+
Landing	3" - 0	\$1.35	\$15.47	\$1.22	95	\$1,713.78	
Landing	3 - 0	ψ1.55	ψ13.47	Subtotal =		\$4,870.76	
				Subtotal =	210	ψ+,070.70	ı
			Totals	All Roc	k = 270]	
			rotato	1½" -			
				3" -			
					•	ı	
					TOTAL ROCK	< COSTS =	\$4,870.76
EROSION CONTROL							
Grass seed & fertilizer	0.11	ac @	\$500.00	per ac =		\$55.00	
-					ON CONTRO		- #55.00
			<u>1</u>	OTAL EROSI	ON CONTRO	L COSIS =	\$55.00
				<u>T(</u>	OTAL PROJE	CT COST =	\$6,347.64

				TION COST			
Timber Sale:		ooster Cog	burn	_ S	ale Number:	FG-341-20)21-W00237-01
Road Segment:		H to I		_	onstruction:		stations
						0.27	miles
PROJECT NO. 1							
CONSTRUCTION							
Clearing & grubbing (scatter)	1.62	ac @	\$1,078.00	per ac =		\$1,746.36	
Balanced road construction	12.20		\$110.00			\$1,342.00	
Drift	1.90		\$180.00			\$342.00	
Turnouts	2.0		\$66.00			\$132.00	
Turnarounds	2	ea @	\$82.50	per ea =		\$165.00	
Landing	1	ea @	\$220.00	per ea =		\$220.00	
Grade, ditch, & roll	14.10	sta @	\$36.00	per sta =		\$507.60	
				TOTAL COL	UCTOLICTIO		• • 4 454 06
CULVERTS				TOTAL COI	NSTRUCTIO	M COSTS =	\$4,454.96
Culverts and Bands							
18" Diameter	120	LF @	\$20.00	per LF =		\$2,400.00	
Markers & Stakes	120	∟ı ⊌	Ψ20.00	por Li –		Ψ2,400.00	
Culvert markers	4	ea @	\$10.00	per ea =		\$40.00	
Odivort markers	•	ou e	Ψ10.00	por ou –		Ψ10.00	
				<u>TO1</u>	AL CULVER	RT COSTS =	\$2,440.00
ROCK							
		_		Placement/			1
	Rock	Base	Haul Cost	Processing	Total CY	Rock Cost	
	Size	Cost \$/cy	\$/cy	Cost \$/cy	1		
Surfacing rock					1		4
Base rock	3" - 0	\$0.98	\$16.04	\$1.22	438	\$7,989.12]
Surfacing rock	1½" - 0	\$0.98	\$16.04	\$1.22	438	\$7,989.12	
Junction	3" - 0	\$0.98	\$16.04	\$1.22	48	\$875.52	
Turnout	3" - 0	\$0.98	\$16.04	\$1.22	58	\$1,057.92	1
Turnaround	3" - 0	\$0.98	\$16.04	\$1.22	40	\$729.60	1
Curve widening	3" - 0	\$0.98	\$16.04	\$1.22	53	\$966.72	1
Landing	3" - 0	\$0.98	\$16.04	\$1.22	95	\$1,732.80]
				Subtotal =	1,170	\$21,340.80	
						1	
			Totals	All Rock			
				1½" - 0			
				3" - 0	= 732		
					TOTAL BOO	L COSTS -	¢21 240 90
					TOTAL ROC	N COS13 =	\$21,340.80
EROSION CONTROL							
Grass seed & fertilizer	0.81	ac @	\$500.00	per ac =		\$405.00	<u>-</u>
				TOTAL EDOO!		N COSTS	¢405.00
				TOTAL EROSIO	JN CONTRO	DL COS15 =	\$405.00
				то	TAL PROJE	CT COST =	\$28,640.76

Timber Sale:	R	ooster Cog	burn	Sa	le Number:	FG-341-20	21-W00237-01
Road Segment:		J to K		Co	nstruction:	2+40	stations
PROJECT NO. 1							
CONSTRUCTION							
Clearing & grubbing (scatter)	0.28	ac @	\$1,078.00	per ac =		\$301.84	
Balanced road construction	2.40	sta @	\$110.00	per sta =		\$264.00	
Landing	1	ea @	\$220.00	per ea =		\$220.00	
Grade, ditch, & roll	2.40	sta @	\$36.00	per sta =		\$86.40	
				TOTAL CONS	TRUCTION	N COSTS =	\$872.24
ROCK	-					•	
	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock					•		
Base rock	3" - 0	\$0.98	\$15.90	\$1.22	75	\$1,357.50	
Surfacing rock	1½" - 0	\$0.98	\$15.90	\$1.22	75	\$1,357.50	
Landing	3" - 0	\$0.98	\$15.90	\$1.22	95	\$1,719.50	
				Subtotal =	245	\$4,434.50	
			Totals	All Rock = 1½" - 0 = 3" - 0 =	75		
				<u>TC</u>	TAL ROCI	K COSTS =	\$4,434.50
EROSION CONTROL							
Grass seed & fertilizer	0.14	ac @	\$500.00	per ac =		\$70.00	
			<u>T</u>	OTAL EROSION	I CONTRO	L COSTS =	\$70.00
				<u> TOT</u> /	AL PROJE	CT COST =	\$5,376.74

	Timber Sale:	R	ooster Cog	burn	Sal	e Number:	FG-341-202	1-W00237-01
	Road Segment:		L to M		Imp	provement:	7+25	stations
	-				<u>-</u>		0.14	miles
PROJECT NO. 2								
IMPROVEMENT								
Clearing & grubbing (scatter))	0.09	ac @	\$1,078.00	per acre =		\$97.02	
Improve Roadside landing		1	ea @	\$82.50	per ea =		\$82.50	
Improve landing		1	ea @	\$110.00	per ea =		\$110.00	
Grade, ditch, & roll		7.25	sta @	\$36.00	per sta =		\$261.00	
					TOTAL IMPR	ROVEMEN	T COSTS =	\$550.52
ROCK							_	
		Rock	Base	Haul Cost	Placement/	T . LOV	D 10 1	
		Size	Cost \$/cy	\$/cy	Processing Cost \$/cy	I otal CY	Rock Cost	
Surfacing rock								
Surfacing rock		3" - 0	\$0.98	\$11.43	\$1.22	225	\$3,066.75	
Roadside landing		3" - 0	\$0.98	\$11.43	\$1.22	47	\$640.61	
Landing		3" - 0	\$0.98	\$11.43	\$1.22	47	\$640.61	
					Subtotal =	319	\$4,347.97	
				Totals	All Rock =	319	1	
					3" - 0 =	319		
					TC	OTAL ROCI	K COSTS =	\$4,347.97
EROSION CONTROL								•
Grass seed & fertilizer		0.05	ac @	\$425.00	per ac =		\$21.25	
					TOTAL EROSION	I CONTRO	L COSTS =	\$21.25
					TOTA	AL PROJE	CT COST =	\$4,919.74

Timber Sale: Rooster Cogburn Sale Number: <u>FG-341-2021-W00237-01</u> Road Segment: Point N Pickup, Transport and Install Gate \$1,200.00 ea @ \$1,200.00 per ea =

ROCK

PROJECT NO. 2

GATE INSTALLATION

Painting, cutting, welding and concrete

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Blocking Boulders	36"-24"	\$1.78	\$11.26	\$1.22	12	\$171.13
Surfacing rock	1½" - 0	\$0.98	\$11.26	\$1.22	24	\$323.04
				Subtotal =	36	\$494 17

1

Totals

ea @ \$1,750.00 per ea =

All Rock =	36
1½" - 0 =	24
Blocking Boulders =	12

TOTAL ROCK COSTS = \$494.17

\$1,750.00

TOTAL PROJECT COST = \$3,444.17

Timber Sale: Rooster Cogburn Sale Number: FG-341-2021-W00237-01

Equipment	Total	
Grader	\$1,154.70	
Loader (Med. & Large)	\$1,017.47	
Roller (smooth/grid) & Compactor	\$811.50	
Excavator (Large) - Equipment Cleaning	\$2,154.70	
Dozer (Large) - Equipment Cleaning	\$2,199.28	
Dump Truck (10cy +)	\$200.96	
Dump Truck (Off Highway)	\$968.28	
Water Truck (2,500 Gal)	\$198.52	
	TOTAL MOVE-IN COSTS =	\$8,705.41

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Rooster Cogburn Sale Number: FG-341-2021-W00237-01 Stockpile Name: Wildcat Stockpile 1 1/2" - 0: (truck measure) 6,874 cy (truck measure) 3" -0: 4,130 cy (truck measure) Riprap: 24 cy 12 cy Blocking Boulders: (truck measure) Total truck yardage: 11,040 cy

Move-in					
Move in excavator	_				\$780.10
Move in loader					\$698.83
Move in Dump Trucks				_	\$430.13
				Subtotal =	\$1,909.06
				Per CY =	\$0.17/cy
1 1/2"-0 and 3"-0 Base Cost				_	
Load dump truck	\$0.80	/ cy x	11,004	_cy =	\$8,803.20
				Subtotal =	\$8,803.20
				Per CY =	\$0.80
Riprap & Boulder Base Cost	_				
Load dump truck	\$1.60	/ cy x	36	cy =	\$57.60
				Subtotal =	\$57.60
				Per CY =	\$1.60

1 1/2"-0 Cost = \$0.98/cy
3"-0 Cost = \$0.98/cy

Jaw-Run Cost = \$0.98/cy

Riprap Cost = \$1.78/cy

Blocking Boulders \$1.78/cy

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Rooster Cogburn
Sale Number: FG-341-2021-W00237-01
Stockpile Name: Dunbar Quarry

Pit-run: 117 cy (truck measure)

Per CY =

\$2.50

Total truck yardage: 117 cy

Move-in Move in excavator \$826.24 Move in Dump Trucks \$113.10 Subtotal = \$939.34 Per CY = \$8.03/cy Riprap and Boulder Base Cost Rip & load dump truck \$2.50 / cy x 117 \$292.50 cy = Subtotal = \$292.50

> Pit-Rrun Cost = \$10.53/cy Boulders = \$10.53/cy

CRUISE REPORT Rooster Cogburn #FG-341-2021-W00237-01

- **1. LOCATION:** Portions of Sections 25 & 26, T3N, R6W, W.M., Tillamook County, Oregon, and portions of Section 35, T3N, R6W, W.M., Washington County, Oregon.
- **2. CRUISE DESIGN:** Pre-cruise evaluation indicated that the stand's average DBH is approximately 17 inches with a Coefficient of Variation of about 53%. For sales of this size and approximate value, ODF cruise standards require a Sampling Error of 9% at a 68% confidence level, and a minimum sample size of 100 graded trees. Statistical analysis indicated that 34 variable radius plots utilizing a 40 BAF prism would produce an adequate sample size.
- **3. SAMPLING METHOD:** The Timber Sale Area was cruised in February 2021. The Timber Sale Area was sampled with 35 variable radius grade plots laid out on a 5 chain x 5 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.
- **4. CRUISE RESULTS:** 203 trees were measured and graded producing a cumulative Sampling Error of 5.9% on the Basal Area per acre and 6.5% on the Board Foot Volume per acre.
- **5. TREE MEASUREMENT AND GRADING:** All sample trees were measured and graded following Columbia River Log Scale grade rules and favored 40 foot segments.
 - a) **Height Standards:** Total tree heights were measured to the nearest foot. Bole heights were calculated to a six inch top.
 - b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
 - c) Form Factors: Measured for each grade tree using a form point of 16 feet.

6. DATA PROCESSING:

- a) **Volumes and Statistics:** Cruise estimates and sampling statistics were derived from Super Ace 2008 cruise software.
- b) **Deductions:** Two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.
- 7. CRUISERS: The sale was cruised by ODF cruisers Kenton Burns and Mark Savage.

Prepared by:	Kenton Burns Name	02/17/2021 Date
Reviewed by:	Mark Savage Name	03/09/2021 Date

TC PST	TATS					OJECT OJECT		STICS OSTER			PAGE DATE	1 2/16/2021
TWP	RGE	SC	TRACT	ŗ	ГҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt
T3N	R6	25	00A1		00MC			89.00	35	203	S	W
						TREES		ESTIMATED TOTAL		ERCENT AMPLE		
			PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	AL		35	203		5.8						
	COUNT OREST NT NKS		35	203		5.8		6,731		3.0		
100 /					STA	ND SUMM	ARY					
		S.A	AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOU	G FIR		196	73.3	23.7	141	46.0	224.0	58,372	57,916	11,602	11,602
	EMLOCK		3	1.3	22.2	139	0.7	3.4	876	876	182	182
	CEDAR		2	.7	24.0	97	0.5	2.3	280	280	84	84
NOB TOT			2 203	.3 75.6	37.0 23.7	174 <i>141</i>	0.4 47.6	2.3 232.0	736 60,265	736 59,809	133 12,002	133 12,002
CON			ITS OF THE		VOLUME	WILL BE V	WITHIN TI	HE SAMPLE E	RROR			
CL	68.1		COEFF			SAMPL	E TREES -	· BF	#	OF TREES R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOU	G FIR		52.4	3.7		1,055	1,096	1,137				
	EMLOCK		79.1	54.7		427	943	1,460				
	CEDAR		23.9	22.4		299	385	471				
NOB TOT			27.1 53.7	25.4 3.8		1,809 1,058	2,425 1,099	3,041 1,141		115	29	13
								•				
CL SD:	68.1 1.0		COEFF VAR.%	S.E.%	ī	SAMPL! .OW	E TREES - AVG	HIGH	#	OF TREES R 5	EQ. 10	INF. POP.
	G FIR		47.1	3.4		208	215	222		<u> </u>	10	1.
	EMLOCK		71.9	49.7		95	190	285				
WR (CEDAR		10.4	9.7		105	116	127				
NOB	FIR		20.6	19.3		353	438	522				
TOT	AL		48.0	3.4		208	216	223		92	23	10
CL	68.1		COEFF			TREES/	ACRE		#	OF PLOTS R	EQ.	INF. POP.
	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
	G FIR		64.2	10.8		65	73	81				
	EMLOCK		364.4	61.5		0	1	2				
NOB	CEDAR FIR		412.1 412.8	69.6 69.7		0	1 0	1 1				
TOT			63.9	10.8		67	76	84		163	41	18
CI	68.1		COEFF			RACAT	AREA/AC	D F	щ	OF PLOTS R		INF. POP.
CL SD:	1.0		VAR.%	S.E.%	Ī	.OW	AKEA/AC AVG	KE HIGH	#	of Plots R 5	EQ. 10	INF. POP.
	G FIR		35.8	6.0		210	224	238			10	1.
	EMLOCK		331.4	56.0		2	3	5				
	CEDAR		412.1	69.6		1	2	4				
NOB			412.1	69.6		1	2	4		40	12	,
TOT			35.2	5.9		218	232	246		49	12	DIE DOD
CL	69.1		COEFF			NET BF	ACRE		#	OF PLOTS R		INF. POP.
SD:			VAR %	SE%	Ţ	.OW	AVG	HIGH			111	
	1.0 IG FIR		VAR.% 38.5	S.E.% 6.5		OW 54,155	AVG 57,916	HIGH 61,678		5	10	1.
DOU	1.0			S.E.% 6.5 56.5			AVG 57,916 876			3	10	1.
DOU WHE	1.0 IG FIR		38.5	6.5		54,155	57,916	61,678			10	1,

TC PST	ATS				PROJECT PROJECT		STICS OSTER			PAGE DATE	2 2/16/2021
TWP	RGE	SC	TRACT	TYP	E	A	CRES	PLOTS	TREES	CuFt	BdFt
T3N	R6	25	00A1	00Me	C		89.00	35	203	S	W
CL	68.1		COEFF		NET B	F/ACRE			# OF PLOTS	S REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
TOTA	A L		38.6	6.5	55,912	59,809	63,706		59	15	7
CL	68.1		COEFF		NET C	UFT FT/A	CRE		# OF PLOTS RE	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG	G FIR		36.7	6.2	10,883	11,602	12,321				
WHE	MLOCK		332.8	56.2	80	182	284				
WR C	EDAR		413.3	69.8	25	84	143				
NOB	FIR		414.0	69.9	40	133	226				
TOTA	AL		36.5	6.2	11,261	12,002	12,742		53	13	6

TT	SN RR6W S25	Tv00MC		89.00		Project:	ROOS	TER							Page		1	=
110	11 RROW 525	1,00010		0,100		Acres	89	0.00							Date Time		16/202 :26:22	
		%				†	Percent o	Net Boa	rd Foot	Volume					Avera	ge Log	g	Logs
	S So Gr	Net	Bd. Ft.	per Acre		Total	Log S	cale Dia.			Log	Length		Ln	Dia	Bd	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5 6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF	CU													13	14		0.00	5
DF	2M	84	.9	49,337	48,881	4,350		33	67	1	0		99	40	17	467	2.22	104
DF	3M	14		8,151	8,151	725	100)			1	5	93	39	8	105	0.70	77
DF	4M	2		885	885	79	100)		53	47			19	6	24	0.37	37
DF	Totals	97	.8	58,372	57,916	5,155	10	5 28	57	1	1	1	97	35	12	258	1.46	224
RC	2M	84		236	236	21		100					100	40	15	325	2.28	
RC	3M	12		33	33	3	100						100	40	8	90	0.79	
RC	4M	4		11	11	1	100)			100			28	6	30	0.63	
RC	Totals	0		280	280	25	1	5 84			4		96	37	11	193	1.56	1
WH	2M	82		725	725	65		57	43				100	40	15	382	1.87	1
WH	3M	16		138	138	12	100		43				100	40	8	109	0.71	1 1
WH	4M	2		13	13	1	100			100			100	16	6	20	0.32	-
WH	Totals	1		876	876	78	1	7 47	35	1			99	36	11	230	1.33	3
NF	2M	97		718	718	64		12	88				100	39	20	781	3.53	
NF	3M	2		13	13	1	100)				100		32	9	90	0.92	
NF	4M	1		5	5	0	100)		100				12	9	30	0.61	
NIE -	Totals	1		736	736	66] .	2 12	86	1		2	98	35	18	600	3.12	

TC	PSTNDSUM		Stand Tabl	e Summary	Page	1	
					Date:	2/16/2021	
TT3	SN RR6W S25 Ty00MC	89.00	Project	ROOSTER	Time:	3:26:23PM	

Acres 89.00 Grown Year:

s				Tot				Average			Net	Net		Totals	
Spc Т	DBH	Sample Trees	FF 16'	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF
DF	9	1	85	63	2.587	1.14	2.59	7.6	30.0	.56	20	78	50	18	7
DF	10	1	88	88	2.095	1.14	2.10	12.8	60.0	.76	27	126	68	24	11
DF	11	2	88	101	3.463	2.29	5.20	12.4	53.3	1.83	64	277	163	57	25
DF	13	2	88	97	2.480	2.29	4.96	14.2	57.5	2.01	70	285	179	63	25
DF	14	2	87	105	2.138	2.29	3.21	21.1	93.3	1.93	68	299	171	60	27
DF	15	1	89	123	.931	1.14	1.86	23.6	105.0	1.25	44	196	111	39	17
DF	17	4	89	127	2.900	4.57	7.98	24.8	106.4	5.64	198	848	502	176	
DF	18	2	89	133	1.293	2.29	3.88	26.5	115.0	2.93	103	446	260	91	40
DF	19	6	90	150	3.483	6.86	10.45	33.7	159.4	10.04	352	1,666	894	314	
DF	20	11	89	133	5.762	12.57	16.76	33.8	151.9	16.14	566	2,546	1,436	504	
DF	21	6	89	142	2.851	6.86	8.55	39.5	192.2	9.62	338	1,644	856	301	
DF	22	10	89	146	4.329	11.43	13.42	42.9	203.5	16.42	576	2,732	1,461	513	
DF	23	10	89	145	3.961	11.43	11.88	47.9	229.3	16.24	570	2,725	1,445	507	
DF	24	10	88	148	3.638	11.43	11.64	50.1	236.3	16.62	583	2,750	1,479	519	
DF	25	12	89	150	4.023	13.71	13.41	53.0	252.3	20.27	711	3,383	1,804	633	
DF	26	18	88	161	5.579	20.57	19.84	57.0	286.9	32.24	1,131	5,691	2,869	1,007	
DF	27	8	88	161	2.299	9.14	8.34	60.3	308.3	14.32	503	2,570	1,275	447	
DF	28	11	87	162	2.940	12.57	10.69	63.5	325.7	19.34	679	3,483	1,721	604	
DF	29	19	87	165	4.734	21.71	17.69	67.4	344.1	34.00	1,193	6,087	3,026	1,062	
DF	30	16	86	168	3.725	18.29	14.20	70.1	359.2	28.39	996	5,101	2,526	886	
DF	31	7 10	86	168 169	1.526	8.00	5.67 7.98	78.9	402.3	12.75	447	2,281	1,135	398	
DF	32 33	6	87 87	165	2.046 1.154	11.43	4.23	81.2 88.7	435.1 465.9	18.47 10.70	648 375	3,473 1,972	1,644 952	577 334	
DF	34	4	87	177	.725	4.57	2.90	93.8	516.9	7.75	272	1,499	690	242	
DF	35	6	86	165	1.026	6.86	3.76	100.1	520.5	10.74	377	1,499	956	335	
DF	36	4	86	165	.647	4.57	2.43	100.1	559.3	7.06	248	1,357	628	220	
DF DF	37	2	87	186	.306	2.29	1.22	113.5	661.3	3.96	139	810	353	124	
DF	38	1	84	161	.145	1.14	.58	103.7	510.0	1.72	60	296	153	54	
DF	39	2	85	171	.276	2.29	1.10	118.0	650.0	3.71	130	716	330	116	
DF	40	1	84	165	.131	1.14	.52	119.6	625.0	1.79	63	327	159	56	
DF	41	1	85	155	.125	1.14	.37	139.8	790.0	1.49	52	295	133	47	
DF	Totals	196	88	141	73.321	224.00	219.41	52.9	264.0	330.67	11,602	57,916	29,430	10,326	5,155
WH	18	1	93	123	.647	1.14	1.94	27.4	126.7	1.70	53	246	152	47	22
WH	22	1	86	154	.433	1.14	1.30	48.0	220.0	1.99	62	286	178	55	25
WH	33	1	86	158	.192	1.14	.58	114.6	596.7	2.12	66	344	188	59	31
WH	Totals	3	90	139	1.272	3.43	3.82	47.6	229.5	5.82	182	876	518	162	78
NF	36	1	85	160	.162	1.14	.65	93.5	490.0	1.45	60	317	129	54	28
NF	38	1	87	189	.145	1.14	.58	125.3	722.5	1.75	73	419	155	65	37
NF	Totals	2	86	174	.307	2.29	1.23	108.6	600.0	3.20	133	736	285	119	66
RC	24	2	80	97	.728	2.29	1.46	57.9	192.5	1.98	84	280	176	75	25
RC	Totals	2	80	97	.728	2.29	1.46	57.9	192.5	1.98	84	280	176	75	25
Totals		203	88	141	75.628	232.00	225.91	53.1	264.7	341.66	12,002	59,809	30,408	10,681	5,323

 TC
 PLOGSTVB
 Log Stock Table - MBF

 TT3N RR6W S25 Ty00MC
 89.00
 Project: ROOSTER Acres
 Page 1 Date 2/16/2021

 Acres
 89.00
 Till 20/10/2021

Time

3:26:21PM

		_															
Spp T		Log Len		Def Net	%	2.2				_		r in Inche			24.20	20.20	40
			MBF	% MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF DF	2M 2M			15 19										9	15 10		
DF	2M			19										12	10		
DF	2M			4,305							395	694	1626	1217	373		
<i>3</i> 1	2.11		1,510	1,000							3,0		1020	1217			
DF	3M	24	1	1	.0				1								
DF	3M			2					2								
DF	3M			2					2								
DF	3M			4	.1			3	1								
DF	3M			3				1	2								
DF	3M			15				15									
DF	3M			24				14	10								
DF	3M			17				16	1								
DF	3M			49				12	28	9							
DF	3M	40	610	610	11.8			103	147	360							
DF	4M	12	12	12	.2			9	2	0							
DF	4M	14	6	6	.1			5	1								
DF	4M	16	9	9	.2			8	1								
DF	4M	18	6	6	.1			5	1								
DF	4M	20	9	9	.2			7	2								
DF	4M	22	8	8	.2			8	1								
DF	4M	24	8	8	.1			7	1								
DF	4M	25	1	1	.0			1									
DF	4M	26	11	11	.2			11									
DF	4M	28	7	7	.1			7									
DF	4M	30	3	3	.1			3									
DF	Totals		5,195	5,155	96.8			235	200	369	395	694	1626	1238	397		
RC	2M	40	21	21	84.4							21					
RC	3M	40	3	3	11.7				3								
RC	4M	28	1	1	3.9			1									
RC	Totals		25	25	.5			1	3			21					
WH	2M	40	65	65	82.7						22		26		17		
WH	3M	40	12	12	15.8			2	7	3							
WH	4M	16	1	1	1.5			1									
WH	Totals		78	78	1.5			3	7	3	22		26		17		
1																	

TC	C PLOGSTVB Log Stock Table - MBF																		
TT3	N R	R6W S25	Гу00М0	2	89.00		Proje Acre		ROC	OSTER 89	0.00					Page Date Time	2/1	2 6/2021 26:21P	
	s	So Gr	Log	Gross	De	f Net	%		N	let Volu	me by S	caling l	Diamete	r in Inch	es				
Spp	T	rt de	Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
NF		2N	1 36		3	3	4.0						3						
NF		2N	1 40		51	61	93.6								14	12	35		
NF		3N	1 32		1	1	1.8				1								
NF		4N	1 12		0	0	.7				0								
NF		Total	s	(56	66	1.2				2		3		14	12	35		
Total		All Speci	es	5,36	54	5,323	100.0			239	212	372	419	716	1666	1250	450		

VOLUME SUMMARY

(Shown in MBF)

Rooster Cogburn FG-341-2021-W00237-01 March 2021

UNIT 1: MC (89 ACRES)

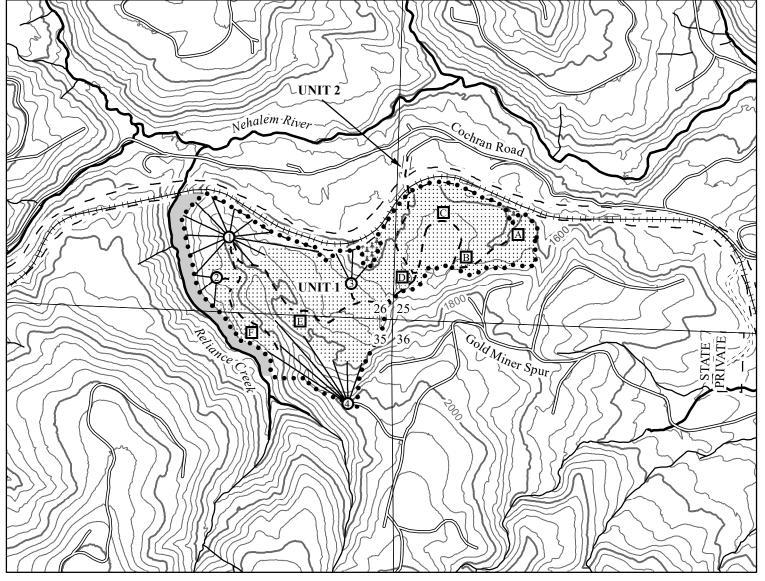
SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	4,350	725	79	5,154
Douglas-fir	Hidden D&B (2%)	(87)	(15)	(2)	(104)
Douglas-III	NET TOTAL	4,263	710	77	5,050
	% of Total	84	14	2	
	Cruise Volume	65	12	1	78
Western	Hidden D&B (2%)	(1)	(0)	(0)	(1)
Hemlock	NET TOTAL	64	12	1	77
	% of Total	83	16	1	

UNIT 2: R/W (1 ACRE)

	Cruise Volume	13	23	2	38
Douglas-fir	Hidden D&B (2%)	(0)	(0)	(0)	(0)
Douglas-III	NET TOTAL	13	23	2	38
	% of Total	34	61	5	

SALE TOTAL

SPECIES	2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	4,276	733	79	5,088
Western Hemlock	64	12	1	77
Total	4,340	745	80	5,165



Legend

••••• Timber Sale Boundary

:= := Right-of-Way Boundary

ODF Ownership Boundary

Surfaced Road

-- New Road Construction

-+++++ Railroad

Type-F Stream

Type-N Stream

Stream Buffer

Green Tree Retention Area

Cable Yarding Area

Tractor Yarding Area

O Cable Landing

Tractor Landing

—— 40 Foot Contour Band

— 200 Foot Contour Band

Section Lines

LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2021-W00237-01
ROOSTER COGBURN
PORTIONS OF SECTIONS 25 & 26, T3N, R6W, W.M.,
TILLAMOOK COUNTY, OREGON,
AND PORTIONS OF SECTION 35, T3N, R6W, W.M.,
WASHINGTON COUNTY, OREGON

Forest Grove District GIS March, 2021

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

	TRACTOR	CABLE
UNIT 1 UNIT 2	65 1	24 0
TOTAL	66	24