



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Rock Music  
Sale FG-341-2025-W01195-01

District: Forest Grove

Date: January 22, 2025

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**Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$2,251,918.74	\$2,639.52	\$2,254,558.26
		Project Work:	(\$45,798.00)
		Advertised Value:	\$2,208,760.26



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**Timber Description**

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	98
Western Hemlock / Fir	19	0	98
Alder (Red)	23	0	95

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	4,000	1,390	0	5,390
Western Hemlock / Fir	42	20	0	62
Alder (Red)	0	0	26	26
Total	4,042	1,410	26	5,478

**Comments:** LOCAL POND VALUES, NOVEMBER 2024

NOBLE FIR AND OTHER CONIFERS:

STUMPAGE PRICE = POND VALUE - WESTERN HEMLOCK LOGGING COST

$\$181.32 = \$513.39 - \$332.07$

WESTERN REDCEDAR AND OTHER CEDARS STUMPAGE PRICE = POND VALUE MINUS DOUGLAS-FIR LOGGING COST:

$\$867.47 = \$1,185 - \$317.53$

BRANDING AND PAINTING ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$5.00/GAL

HAULING COST ALLOWANCE = \$1,250/DAY

OTHER COSTS (WITH PROFIT & RISK ADDED):

INTERMEDIATE SUPPORTS/TAIL RIGGING: 5 @ \$1000 EACH = \$5000

TOTAL OTHER COSTS (WITH PROFIT & RISK ADDED) = \$5000

OTHER COSTS (NO PROFIT & RISK ADDED):

EQUIPMENT CLEANING: 3 PIECES @ \$1,000/PIECE = \$3,000

MACHINE TIME TO BLOCK/WATERBAR ROADS AND SKID TRAILS:

8 HOURS X \$200/HOUR = \$1600

MACHINE TIME TO PILE LANDING SLASH:

24 HOURS X \$200/HOUR = \$4800

TOTAL OTHER COSTS (NO P&R) = \$9400

SLASH TREATMENT: 3 ACRES X \$250/ACRE = \$750

ROAD MAINTENANCE (INCLUDES SPOT ROCKING, GRADING, & ROLLING):

MOVE IN: \$1,244.16

GENERAL ROAD MAINT: 3.8 miles X \$2,609.21 = \$9,914.99

TOTAL ROAD MAINTENANCE: \$11,159.15/ 5,478 MBF = \$2.04/MBF



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**Logging Conditions**

**Combination#: 1**                      Douglas - Fir                      97.00%  
   Western Hemlock / Fir                      97.00%  
   Alder (Red)                      97.00%

**Logging System:** Cable: Large Tower >=70                      **Process:** Harvester Head Delimbing  
**yarding distance:** Long (1,500 ft)                      **downhill yarding:** No  
**tree size:** Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 10                      **bd. ft / load:** 4800  
**cost / mbf:** \$178.73  
**machines:** Log Loader (A)  
                         Forwarder  
                         Harvester  
                         Tower Yarder (Large)

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**Combination#: 2**                      Douglas - Fir                      3.00%  
   Western Hemlock / Fir                      3.00%  
   Alder (Red)                      3.00%

**Logging System:** Shovel                      **Process:** Harvester Head Delimbing  
**yarding distance:** Short (400 ft)                      **downhill yarding:** No  
**tree size:** Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 10                      **bd. ft / load:** 4800  
**cost / mbf:** \$208.33  
**machines:** Forwarder  
                         Harvester

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"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
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### Logging Costs

Operating Seasons: 2.00	Profit Risk: 15%
Project Costs: \$45,798.00	Other Costs (P/R): \$5,000.00
Slash Disposal: \$750.00	Other Costs: \$9,400.00

Miles of Road

Road Maintenance: \$2.04

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	4.8
Western Hemlock / Fir	\$0.00	3.0	4.2
Alder (Red)	\$0.00	3.0	3.0



"STEWARDSHIP IN FORESTRY"

# Timber Sale Appraisal Rock Music Sale FG-341-2025-W01195-01

District: Forest Grove

Date: January 22, 2025

## Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
<b>Douglas - Fir</b>									
\$179.62	\$2.08	\$1.60	\$88.55	\$0.91	\$40.91	\$0.14	\$2.00	\$1.72	\$317.53
<b>Western Hemlock / Fir</b>									
\$179.62	\$2.08	\$1.60	\$101.19	\$0.91	\$42.81	\$0.14	\$2.00	\$1.72	\$332.07
<b>Alder (Red)</b>									
\$179.62	\$2.14	\$1.60	\$145.83	\$0.91	\$49.52	\$0.14	\$2.00	\$1.72	\$383.48

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$733.24	\$415.71	\$0.00
Western Hemlock / Fir	\$0.00	\$513.39	\$181.32	\$0.00
Alder (Red)	\$0.00	\$485.00	\$101.52	\$0.00



Timber Sale Appraisal  
Rock Music  
Sale FG-341-2025-W01195-01

District: Forest Grove

Date: January 22, 2025

### Summary

#### Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00

#### Unamortized

Specie	MBF	Value	Total
Douglas - Fir	5,390	\$415.71	\$2,240,676.90
Western Hemlock / Fir	62	\$181.32	\$11,241.84
Alder (Red)	26	\$101.52	\$2,639.52

#### Gross Timber Sale Value

Recovery: \$2,254,558.26

Prepared By: Kenton Burns

Phone: 503-359-7477

**TIMBER SALE SUMMARY**  
**Rock Music**  
**#FG-341-2025-W01195-01**

1. **Location:** Portions of Sections 21 & 22, T4N, R6W, W.M., Clatsop County, Oregon.
2. **Type of Sale:** This timber sale is a 106 net acre Clearcut. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF, Clatsop County.
4. **Sale Acreage:** Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
5. **Cruise:** The Timber Sale was cruised by ODF Cruisers in December of 2025. For more information see Cruise Report.
6. **Timber Description:** The Timber Sale Area consists of an over-stocked 58-76 year old Douglas-fir stand with minor amounts of western hemlock, western redcedar, true firs, and hardwoods. The stand has an average of 251 ft<sup>2</sup> of basal area (all species), an average Douglas-fir DBH of 20 inches, and an estimated average net Douglas-fir volume of approximately 49.9 MBF per acre.
7. **Topography and Logging Method:** Slopes within the sale areas range from 5% to 80%, and variable in aspect. The timber sale is 3% ground-based yarding and 97% cable yarding. The average cable corridor length is 1,600 feet and the average horizontal skid trail length is approximately 60 feet.
8. **Access:** Access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 20 miles to McGregor Road, which is just before mile marker 29. Turn right on McGregor Road and continue for approximately 2.9 miles. Turn left off of McGregor Road and proceed straight for approximately 0.4 miles. Then staying to the right, proceed for 0.3 miles to the Timber Sale Area.

**9. Projects:**

Project No. 1: Rocked Road Construction	\$34,184.82
Project No. 2: Road Improvement	\$6,792.73
Project No. 3: Stream Enhancement	\$4,820.45

Total Credit for all Projects (rounded)	\$45,798.00
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**PROJECT COST SUMMARY SHEET**

Timber Sale: Rock Music  
Sale Number: FG-341-2025-W01195-01

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
	<u>A to B</u>	<u>14+00</u>	<u>\$30,848.58</u>
		14+00 stations	
		0.27 miles	
Total Rock =	1,480 cy	4" - 0	
		Move-in =	<u>\$3,336.24</u>
		<b><u>TOTAL PROJECT COST =</u></b>	<b><u>\$34,184.82</u></b>

**PROJECT NO. 2: ROAD IMPROVEMENT**

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
	<u>C to D</u>	<u>38+55</u>	<u>\$6,129.80</u>
		38+55 stations	
		0.73 miles	
Total Rock =	332 cy	4" - 0	
		Move-in =	<u>\$662.93</u>
		<b><u>TOTAL PROJECT COST =</u></b>	<b><u>\$6,792.73</u></b>

**PROJECT NO. 3: STREAM ENHANCEMENT**

	<u>Segment</u>	<u>Sites</u>	<u>Cost</u>
	<u>SE1 to SE2</u>	<u>4</u>	<u>\$3,000.00</u>
	<u>SE3 to SE4</u>	<u>3</u>	<u>\$1,350.00</u>
		8 Sites	
		Move-in =	<u>\$470.45</u>
		<b><u>TOTAL PROJECT COST =</u></b>	<b><u>\$4,820.45</u></b>
		<b><u>TOTAL CREDITS =</u></b>	<b><u>\$45,798.00</u></b>

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Rock Music  
Road Segment: A to B

Sale Number: FG-341-2025-W01195-01  
Construction: 14+00 stations  
0.27 miles

## PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

### CONSTRUCTION

Clearing & grubbing (scatter)	1.61	ac @	\$1,692.00 per ac =	\$2,724.12
Balanced road construction	14.00	sta @	\$120.00 per sta =	\$1,680.00
Full Bench End-haul				
Excavate & load	2,820	cy @	\$1.94 per cy =	\$5,470.80
Haul	3,666	cy @	\$1.06 per cy =	\$3,885.96
Shape and compact waste material	3,666	cy @	\$0.35 per cy =	\$1,283.10
Turnout	1	ea @	\$72.60 per ea =	\$72.60
Turnaround	2	ea @	\$90.75 per ea =	\$181.50
Approach to landing	1.80	sta @	\$120.00 per sta =	\$216.00
Landing	2	ea @	\$345.40 per ea =	\$690.80
Grade, ditch, & roll	14.00	sta @	\$39.65 per sta =	\$555.10

**TOTAL CONSTRUCTION COSTS = \$16,759.98**

### CULVERTS

Culverts and Bands				
18" Diameter	30	lf @	\$22.05 per lf =	\$661.50
Markers & Stakes				
Culvert markers	1	ea @	\$12.00 per ea =	\$12.00

**TOTAL CULVERT COSTS = \$673.50**

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	4" - 0	\$1.33	\$5.96	\$1.35	910	\$7,862.40
Junction	4" - 0	\$1.33	\$5.96	\$1.35	24	\$207.36
Turnout	4" - 0	\$1.33	\$5.96	\$1.35	29	\$250.56
Turnaround	4" - 0	\$1.33	\$5.96	\$1.35	40	\$345.60
Approach to landing	4" - 0	\$1.33	\$5.96	\$1.35	117	\$1,010.88
Landing	4" - 0	\$1.33	\$5.96	\$1.35	360	\$3,110.40
				Subtotal =	1,480	\$12,787.20

Totals

All Rock =	1,480
4" - 0	1,480

**TOTAL ROCK COSTS = \$12,787.20**

### EROSION CONTROL

Grass seed & fertilizer	0.81	ac @	\$780.00 per ac =	\$627.90
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**TOTAL EROSION CONTROL COSTS = \$627.90**

**TOTAL PROJECT COST = \$30,848.58**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Rock Music  
Road Segment: C to D

Sale Number: FG-341-2025-W01195-01  
Improvement: 38+55 stations  
0.73 miles

## PROJECT NO. 2: ROAD IMPROVEMENT

### IMPROVEMENT

Clearing & grubbing (scatter)	0.45	ac @	\$1,692.00	per acre =	\$761.40
Clean ditch & scatter waste material	7.50	sta @	\$66.00	per sta =	\$495.00
Improve landing	1	ea @	\$172.70	per ea =	\$172.70
Grade & roll (outslope)	1.00	sta @	\$35.45	per sta =	\$35.45
Grade, ditch, & roll	37.55	sta @	\$39.65	per sta =	\$1,488.858

**TOTAL IMPROVEMENT COSTS = \$3,063.41**

### CULVERTS

Culverts and Bands  
Markers & Stakes  
Culvert markers

5 ea @ \$12.00 per ea = \$60.00

**TOTAL CULVERT COSTS = \$60.00**

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Surfacing rock	4" - 0	\$1.33	\$5.43	\$1.35	202	\$1,638.22
Turnaround	4" - 0	\$1.33	\$5.43	\$1.35	10.0	\$81.10
Landing	4" - 0	\$1.33	\$5.43	\$1.35	120.0	\$973.20
Subtotal =					332	\$2,692.52

Totals

All Rock =	332
4" - 0	332

**TOTAL ROCK COSTS = \$2,692.52**

### EROSION CONTROL

Grass seed & fertilizer 0.45 ac @ \$697.50 per ac = \$313.88

**TOTAL EROSION CONTROL COSTS = \$313.88**

**TOTAL PROJECT COST = \$6,129.80**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rock Music  
Sites: SE1 to SE2

Sale Number: FG-341-2025-W01195-01  
Construction: 4 Sites

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**PROJECT NO. 4: STREAM ENHANCEMENT**

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CONSTRUCTION

Log transportation and placement 20 ea @ \$150.00 per ea = \$3,000.00

TOTAL IMPROVEMENT COSTS = \$3,000.00

**TOTAL PROJECT COST = \$3,000.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rock Music  
Sites: SE3 to SE4

Sale Number: FG-341-2025-W01195-01  
Construction: 3 Sites

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**PROJECT NO. 4: STREAM ENHANCEMENT**

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IMPROVEMENT

Log transportation and placement 9 ea @ \$150.00 per ea = \$1,350.00

TOTAL IMPROVEMENT COSTS = \$1,350.00

**TOTAL PROJECT COST = \$1,350.00**



## QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Rock Music  
Sale Number: FG-341-2025-W01195-01  
Stockpile Name: West Mac Stockpile  
4" - 0: 1,812 cy (truck measure)  
Total truck yardage: 1,812 cy

<u>Move-in</u>					
	Move in loader				\$680.00
	Move in Dump Trucks				\$90.00
				Subtotal =	\$770.00
				Per CY =	\$0.43
<u>4"-0 Base Cost</u>					
	Load dump truck	\$0.90	/ cy x	<u>1,812</u>	cy =
					\$1,630.80
				Subtotal =	\$1,630.80
				Per CY =	\$0.90

4"-0 Cost = \$1.33/cy

**CRUISE REPORT**  
**Rock Music**  
**#FG-341-2025-W01195-01**

**1. LOCATION:** Portions of Sections 21 & 22, T4N, R6W, W.M., Clatsop County, Oregon.

**2. CRUISE DESIGN:** Pre-cruise evaluation indicated that the stand's average DBH is approximately 18 inches with a Coefficient of Variation of about 55%. 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 37 variable radius plots utilizing a 40 BAF prism would produce an adequate sample size.

**3. SAMPLING METHOD:** The Timber Sale Area was cruised in December 2024. The Timber Sale Area was sampled with 37 variable radius grade plots laid out on a 6 chain x 4 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain

**4. CRUISE RESULTS:** 232 trees were measured and graded producing a cumulative Sampling Error of 4.6% on the Douglas-fir Basal Area and 4.1% on the Douglas-fir Board Foot Volume.

**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. For conifers, bole heights were calculated to a six inch top. For hardwoods, bole heights were calculated to a seven 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.

**5. DATA PROCESSING**

a) **Volumes and Statistics:** Cruise estimates and sampling statistics, were derived from Super Ace 2008 cruise software

b) **Deductions:** For conifers, two percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage. For hardwoods, five percent of the volume was subtracted from the computed volumes to account for hidden defect and breakage.

**6. CRUISERS:** The sale was cruised by ODF cruisers Kenton Burns, Mark Savage, and Colton Turner.

Prepared by:	<u>Kenton Burns</u>	<u>12/1/2024</u>
	Name	Date

Reviewed by:	<u>Mark Savage</u>	<u>12/1/2024</u>
	Name	Date



TC PSTATS					PROJECT STATISTICS				PAGE 1				
					PROJECT		ROCMUS		DATE 12/27/2024				
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt			
T4N	R6	22	00U1	00CC	106.00		37	234	S	W			
					ESTIMATED TOTAL		PERCENT SAMPLE						
					TREES								
					PER PLOT	TREES		TREES					
PLOTS			TREES										
TOTAL			37		234		6.3						
CRUISE			37		234		6.3		12,028				
DBH COUNT									1.9				
REFOREST													
COUNT													
BLANKS													
100 %													
STAND SUMMARY													
SAMPLE TREES			TREES /ACRE		AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
DOUG FIR			228		110.3	20.2	120	54.8	246.5	52,259	51,995	11,072	11,072
DOUG FIR-S			2		1.2	18.0	67	0.5	2.2				
WHEMLOCK			3		1.6	19.3	117	0.7	3.2	591	591	140	140
R ALDER			1		.4	23.0	125	0.2	1.1	285	255	56	56
TOTAL			234		113.5	20.2	119	56.3	253.0	53,135	52,841	11,267	11,267
CONFIDENCE LIMITS OF THE SAMPLE													
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR													
CL	68.1	COEFF		SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%		S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		73.5		4.9	756		795	834					
DOUG FIR-S													
WHEMLOCK		22.9		15.9	306		363	421					
R ALDER													
TOTAL		74.6		4.9	744		782	820	222		56	25	
CL	68.1	COEFF		SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%		S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		65.2		4.3	156		163	170					
DOUG FIR-S													
WHEMLOCK		12.4		8.6	81		88	96					
R ALDER													
TOTAL		66.2		4.3	154		160	167	175		44	19	
CL	68.1	COEFF		TREES/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%		S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		52.4		8.6	101		110	120					
DOUG FIR-S		439.6		72.2	0		1	2					
WHEMLOCK		350.0		57.5	1		2	3					
R ALDER		608.3		99.9	0		0	1					
TOTAL		50.3		8.3	104		113	123	101		25	11	
CL	68.1	COEFF		BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%		S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		28.0		4.6	235		246	258					
DOUG FIR-S		424.1		69.7	1		2	4					
WHEMLOCK		341.3		56.1	1		3	5					
R ALDER		608.3		99.9	0		1	2					
TOTAL		26.9		4.4	242		253	264	29		7	3	
CL	68.1	COEFF		NET BF/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%		S.E.%	LOW	AVG	HIGH		5	10	15		
DOUG FIR		25.9		4.3	49,785		51,995	54,205					
DOUG FIR-S													
WHEMLOCK		361.0		59.3	241		591	942					
R ALDER		608.3		99.9	0		255	509					

TC PSTATS				PROJECT STATISTICS				PAGE	2	
				PROJECT	ROCMUS			DATE	12/27/2024	
TWP	RGE	SC	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt
T4N	R6	22	00U1	00CC	106.00		37	234	S	W
CL	68.1		COEFF	NET BF/ACRE				# OF PLOTS REQ.	INF. POP.	
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL			25.2	4.1	50,651	52,841	55,030	25	6	3
CL	68.1		COEFF	NET CUFT FT/ACRE				# OF PLOTS REQ.	INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR			25.6	4.2	10,606	11,072	11,537			
DOUG FIR-S										
WHEMLOCK			348.1	57.2	60	140	219			
R ALDER			608.3	99.9	0	56	111			
TOTAL			24.5	4.0	10,813	11,267	11,721	24	6	3

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
<div>TT4N RR6W S22 Ty00CC106.00</div>				Project: ROCMUS														Page 1				
				Acres 106.00														Date 12/27/2024				
																		Time 1:33:29PM				
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
				Def%	Gross	Net	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf				
							4-5		6-11	12-16	17+	12-20	21-30	31-35					36-99			
DF			CU														18	12		0.00	7.5	
DF			2M	74	.6	38,830	38,583	4,090				41	59	1	0	0	98	40	16	430	2.14	89.8
DF			3M	23	.1	11,939	11,922	1,264			100	0			1	4	95	39	8	100	0.66	119.2
DF			4M	3		1,490	1,490	158			100			34	60		7	21	6	26	0.34	57.6
DF Totals				98	.5	52,259	51,995	5,511			26	30	44	2	2	1	95	35	10	190	1.16	274.1
WH			2M	68		407	407	43				100					100	40	13	256	1.46	1.6
WH			3M	24		142	142	15			100						100	40	9	120	0.71	1.2
WH			4M	8		43	43	5			100			23	77			21	6	27	0.38	1.6
WH Totals				1		591	591	63			31	69		2	6		93	33	9	135	0.97	4.4
RA			R	100	10.5	285	255	27			4	29	66	4			96	33	12	227	1.52	1.1
RA Totals				0	10.5	285	255	27			4	29	66	4			96	33	12	227	1.52	1.1
Totals					0.6	53,135	52,841	5,601			26	31	44	2	2	1	95	35	10	189	1.16	279.5

TC		PSTNDSUM		Stand Table Summary									Page		1	
													Date:		12/27/2024	
<div>TT4N RR6W S22 Ty00CC</div> <div>106.00</div>				Project		ROCMUS				Time:		1:33:30PM				
				Acres		106.00				Grown Year:						
S Sp	T			Tot				Average Log						T o t a l s		
		DBH	Sample Trees	FF 16'	Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Cunits	MBF
DF		10	2	86	79	3.964	2.16	3.96	11.2	50.0	1.26	44	198	134	47	21
DF		11	7	88	91	11.467	7.57	19.66	10.4	44.2	5.85	205	868	620	218	92
DF		12	6	88	98	8.259	6.49	15.14	13.2	56.4	5.69	200	853	604	212	90
DF		13	3	88	100	3.519	3.24	7.04	14.6	60.0	2.93	103	422	311	109	45
DF		14	8	88	105	8.090	8.65	16.18	18.6	81.9	8.60	302	1,325	911	320	140
DF		15	8	87	110	7.048	8.65	14.10	22.3	96.9	8.97	315	1,365	951	334	145
DF		16	6	89	109	4.646	6.49	9.29	23.1	101.7	6.12	215	945	649	228	100
DF		17	12	88	117	8.230	12.97	17.83	28.5	119.6	14.51	509	2,133	1,538	540	226
DF		18	8	88	122	4.894	8.65	11.62	30.9	127.4	10.22	359	1,480	1,084	380	157
DF		19	2	86	123	1.098	2.16	2.75	32.6	130.0	2.55	89	357	270	95	38
DF		20	19	89	126	9.415	20.54	25.27	35.0	152.2	25.24	886	3,845	2,676	939	408
DF		21	11	86	118	4.944	11.89	12.58	37.9	165.7	13.59	477	2,086	1,440	505	221
DF		22	10	88	132	4.095	10.81	11.47	41.4	191.8	13.54	475	2,199	1,436	504	233
DF		23	12	88	137	4.496	12.97	13.49	45.7	208.3	17.56	616	2,810	1,862	653	298
DF		24	8	88	137	2.753	8.65	8.26	50.0	224.6	11.77	413	1,855	1,248	438	197
DF		25	8	88	139	2.537	8.65	7.61	55.8	257.1	12.11	425	1,957	1,283	450	207
DF		26	12	88	142	3.519	12.97	10.85	59.1	280.3	18.27	641	3,041	1,937	680	322
DF		27	10	87	143	2.719	10.81	8.43	61.5	295.2	14.77	518	2,488	1,566	549	264
DF		28	14	86	144	3.540	15.14	10.62	66.2	318.1	20.03	703	3,378	2,124	745	358
DF		29	9	86	145	2.121	9.73	6.60	73.6	363.2	13.84	486	2,397	1,468	515	254
DF		30	12	86	149	2.643	12.97	8.37	78.0	385.5	18.59	652	3,226	1,971	692	342
DF		31	6	87	156	1.238	6.49	4.13	83.2	423.0	9.78	343	1,745	1,037	364	185
DF		32	9	86	157	1.742	9.73	5.81	89.1	457.3	14.74	517	2,656	1,562	548	282
DF		33	11	86	159	2.002	11.89	6.73	94.3	484.3	18.09	635	3,262	1,918	673	346
DF		34	3	86	166	.514	3.24	1.89	96.6	511.8	5.19	182	965	550	193	102
DF		35	5	87	157	.809	5.41	2.59	106.7	574.4	7.87	276	1,487	835	293	158
DF		37	5	86	160	.724	5.41	2.61	107.1	583.9	7.95	279	1,522	843	296	161
DF		38	1	85	168	.137	1.08	.55	110.2	600.0	1.72	61	329	183	64	35
DF		40	2	85	149	.248	2.16	.87	125.1	665.7	3.09	108	577	328	115	61
DF		46	1	79	166	.094	1.08	.28	133.5	793.3	1.07	38	223	113	40	24
DF		Totals	230	88	119	111.504	248.65	266.56	41.5	195.1	315.55	11,072	51,995	33,448	11,736	5,511
WH		17	1	94	134	.686	1.08	2.06	26.9	130.0	1.77	55	267	188	59	28
WH		20	1	89	125	.496	1.08	1.49	33.7	143.3	1.60	50	213	170	53	23
WH		22	1	84	78	.410	1.08	.82	41.8	135.0	1.09	34	111	116	36	12
WH		Totals	3	90	117	1.591	3.24	4.36	32.0	135.5	4.47	140	591	473	148	63
RA		23	1	94	125	.375	1.08	1.12	49.6	226.7	1.53	56	255	162	59	27
RA		Totals	1	94	125	.375	1.08	1.12	49.6	226.7	1.53	56	255	162	59	27
Totals			234	88	119	113.470	252.97	272.05	41.4	194.2	321.54	11,267	52,841	34,084	11,943	5,601

[illegible]

TC		PLOGSTVB		Log Stock Table - MBF															
<div>TT4N RR6W S22 Ty00CC106.00</div>				Project:		ROCMUS								Page		2			
				Acres		106.00								Date		12/27/2024			
														Time		1:33:28PM			
S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	%	Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
Total	All Species		5,632		5,601	100.0				505	415	518	583	753	1417	997	412		

**VOLUME SUMMARY**  
(Shown in MBF)  
**Rock Music**  
**FG-341-2025-W01195-01**  
**January 2025**

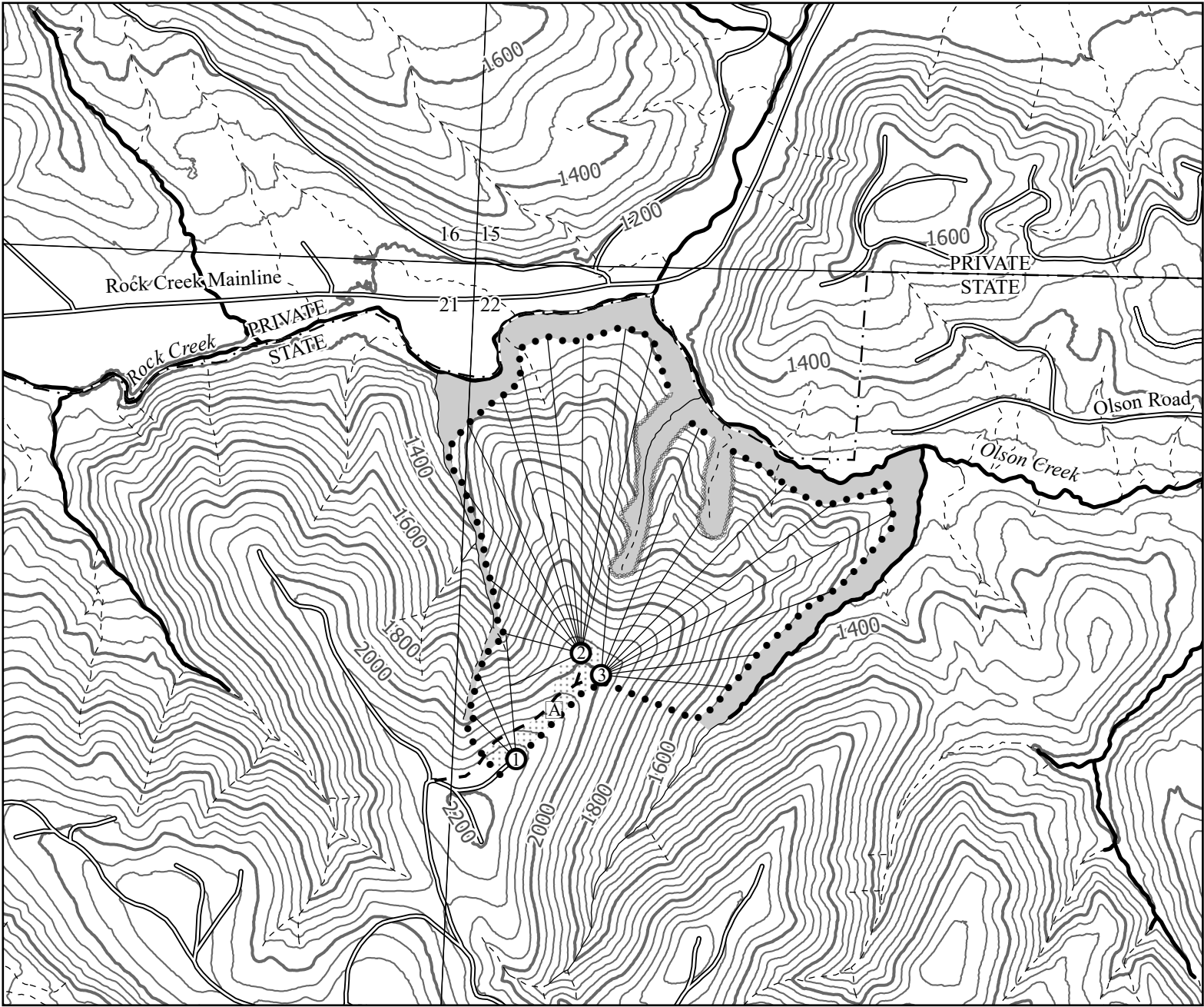
**TIMBER SALE AREA: Clearcut (106 ACRES)**

<b>SPECIES</b>		<b>2 SAW</b>	<b>3 SAW</b>	<b>4 SAW</b>	<b>Camprun</b>	<b>TOTAL</b>
Douglas-fir	Cruise Volume	4,082	1,261	158	0	5,501
	Hidden D&B (2%)	(82)	(25)	(4)	(0)	(111)
	<b>NET TOTAL</b>	4,000	1,236	154	0	5,390
	% of Total	74	23	3	0	
Western Hemlock	Cruise Volume	43	15	5	0	63
	Hidden D&B (2%)	(1)	(0)	(0)	(0)	(1)
	<b>NET TOTAL</b>	42	15	5	0	62
	% of Total	68	24	8	0	
Red Alder	Cruise Volume	0	0	0	27	27
	Hidden D&B (5%)	(0)	(0)	(0)	(1)	(1)
	<b>NET TOTAL</b>	0	0	0	26	26
	% of Total	0	0	0	100	

**SALE TOTAL**

<b>SPECIES</b>	<b>2 SAW</b>	<b>3 SAW</b>	<b>4 SAW</b>	<b>Camprun</b>	<b>TOTAL</b>
Douglas-fir	4,000	1,236	154	0	5,390
Western Hemlock	42	15	5	0	62
Red Alder	0	0	0	26	26
<b>Total</b>	<b>4,042</b>	<b>1,251</b>	<b>159</b>	<b>26</b>	<b>5,478</b>

\*8 MBF of DF 2-SAW, and 3 MBF of DF 3-SAW was removed for Stream Enhancement.



- Legend**
- • • Timber Sale Boundary
  - ▤ Posted Stream Buffer Boundary
  - ▤ ODF Ownership Boundary
  - Surfaced Road
  - - New Road Construction
  - Type-F Stream
  - Type-N Stream - Perennial
  - - - Type-N Stream - Seasonal
  - ▤ Stream Buffer
  - ▤ Cable Yarding Area
  - ▤ Tractor Yarding Area
  - Cable Landing
  - Tractor Landing
  - Section Lines
  - 40 Foot Contour Band
  - 200 Foot Contour Band

# LOGGING PLAN

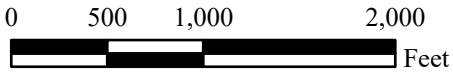
FOR TIMBER SALE CONTRACT #FG-341-2025-W01195-01  
ROCK MUSIC  
PORTIONS OF SECTIONS 21 & 22, T4N, R6W, W.M.  
CLATSOP COUNTY, OREGON

Forest Grove District GIS  
January, 2025

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



APROXIMATE NET ACRES		
TRACTOR CABLE		
TOTAL	3	103