



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Neverstill
Sale FG-341-2022-W00882-01

District: Forest Grove

Date: March 08, 2022

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,951,188.36	\$0.00	\$1,951,188.36
		Project Work:	(\$32,873.00)
		Advertised Value:	\$1,918,315.36



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Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	17	0	98

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	2,044	1,445	3,489
Total	2,044	1,445	3,489

Comments: Pond Values Used: Local Pond Values, January 2022.

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$830.56/MBF = \$1,175/MBF - \$344.44/MBF

Western hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:
\$300.56/MBF = \$645/MBF - \$344.44/MBF

Red alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
\$303.56/MBF = \$648/MBF - \$344.44/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):

Weyerhaeuser Road Use Fee:

Non-BST surface, maint fee: \$1.22/MBF/Mile

Non-BST surface, rock wear fee: \$.90/MBF/Mile

Total \$2.12/MBF/Mile

Total: 3,489MBF x 8.04miles x \$2.12 = \$59,469.30

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

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

Machine Time to Pile Landing Slash:

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

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

TOTAL Other Costs (No Profit & Risk added) = \$68,469.30

SLASH TREATMENT: 5 acres x \$250/acre = \$1,250

ROAD MAINTENANCE

(Includes; Move-in, Grading, Rolling and Spot Rock)

Move-in = \$3,834.49

General Road Maintenance: 0.1 miles X \$2,422.40 = \$242.24

TOTAL Road Maintenance: \$4,076.73 / 3,489 MBF = \$1.16/MBF



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Logging Conditions

Combination#: 1 Douglas - Fir 82.00%

Logging System: Cable: Large Tower >=70 **Process:** Harvester Head Delimiting

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:** 4600

cost / mbf: \$173.49

machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Large)

Combination#: 2 Douglas - Fir 18.00%

Logging System: Shovel **Process:** Harvester Head Delimiting

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

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

loads / day: 12 **bd. ft / load:** 4600

cost / mbf: \$96.81

machines: Forwarder
Harvester



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Logging Costs

Operating Seasons: 2.00	Profit Risk: 20%
Project Costs: \$32,873.00	Other Costs (P/R): \$0.00
Slash Disposal: \$1,250.00	Other Costs: \$68,469.30

Miles of Road

Road Maintenance: \$1.16

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	Brand & Paint	Other	Total
Douglas - Fir									
\$159.69	\$1.18	\$2.52	\$105.33	\$0.00	\$53.74	\$0.36	\$2.00	\$19.62	\$344.44

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$903.68	\$559.24	\$0.00



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Neverstill
Sale FG-341-2022-W00882-01

District: Forest Grove

Date: March 08, 2022

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,489	\$559.24	\$1,951,188.36

Gross Timber Sale Value

Recovery: \$1,951,188.36

Prepared By: MARK SAVAGE

Phone: 503-359-7437

9. Projects:

Project No. 1: Rocked Road Construction	\$12,172.97
Project No. 2: Road Improvement	\$20,700.03

Total Credit for all Projects (rounded)	\$32,873.00
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PROJECT COST SUMMARY SHEET

Timber Sale: Neverstill
Sale Number: FG-341-2022-W00882-01

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
	<u>A to B</u>	<u>5+20</u>	<u>\$9,879.51</u>
		5+20 stations 0.10 miles	
Total Rock =	547 cy	4" - 0	
		Move-in =	<u>\$2,293.46</u>
		<u>TOTAL PROJECT COST =</u>	<u>\$12,172.97</u>

PROJECT NO. 2: ROAD IMPROVEMENT

	<u>Road Segment</u>	<u>Length</u>	<u>Cost</u>
	<u>C to D</u>	<u>18+50</u>	<u>\$16,800.02</u>
		18+50 stations 0.35 miles	
Total Rock =	1,007 cy	4" - 0	
		Move-in =	<u>\$3,900.01</u>
		<u>TOTAL PROJECT COST =</u>	<u>\$20,700.03</u>
		<u>TOTAL CREDITS =</u>	<u>\$32,873.00</u>

SUMMARY OF CONSTRUCTION COST

Timber Sale: Neverstill
 Road Segment: A to B

Sale Number: FG-341-2022-W00882-01
 Construction: 5+20 stations
0.10 miles

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

CONSTRUCTION

Clearing & grubbing (scatter)	0.60	ac @	\$1,078.00	per ac =	\$646.80
Balanced road construction	3.70	sta @	\$110.00	per sta =	\$407.00
Drift	1.50	sta @	\$180.00	per sta =	\$270.00
Turnout	1	ea @	\$66.00	per ea =	\$66.00
Landing	1	ea @	\$314.00	per ea =	\$314.00
Grade, ditch, & roll	5.20	sta @	\$36.00	per sta =	\$187.20

TOTAL CONSTRUCTION COSTS = \$1,891.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Surfacing rock	4" - 0	\$1.37	\$11.74	\$1.22	338	\$4,843.54
Turnout	4" - 0	\$1.37	\$11.74	\$1.22	29	\$415.57
Landing	4" - 0	\$1.37	\$11.74	\$1.22	180	\$2,579.40
Subtotal =					547	\$7,838.51

Totals	All Rock =	547
	4" - 0	547

TOTAL ROCK COSTS = \$7,838.51

EROSION CONTROL

Grass seed & fertilizer	0.30	ac @	\$500.00	per ac =	\$150.00
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TOTAL EROSION CONTROL COSTS = \$150.00

TOTAL PROJECT COST = \$9,879.51

SUMMARY OF CONSTRUCTION COST

Timber Sale: Neverstill
 Road Segment: C to D

Sale Number: FG-341-2022-W00882-01
 Improvement: 18+50 stations
0.35 miles

PROJECT NO. 2: ROAD IMPROVEMENT

IMPROVEMENT

Clearing & grubbing (scatter)	0.22	ac @	\$1,078.00	per acre =	\$237.16
Clean ditch & scatter waste material	18.50	sta @	\$60.00	per sta =	\$1,110.00
Clean culvert inlet & outlet, scatter waste	2	ea @	\$25.00	per ea =	\$50.00
Improve turnout	1	ea @	\$33.00	per ea =	\$33.00
Improve turnaround	1	ea @	\$41.25	per ea =	\$41.25
Improve roadside landing	1	ea @	\$82.50	per ea =	\$82.50
Improve landing	1	ea @	\$157.00	per ea =	\$157.00
Grade, ditch, & roll	18.50	sta @	\$36.00	per sta =	\$666.00

TOTAL IMPROVEMENT COSTS = \$2,376.91

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock						
Surfacing rock	4" - 0	\$1.37	\$11.64	\$1.22	777	\$11,056.71
Junction	4" - 0	\$1.37	\$11.64	\$1.22	24	\$341.52
Turnout	4" - 0	\$1.37	\$11.64	\$1.22	12	\$170.76
Turnaround	4" - 0	\$1.37	\$11.64	\$1.22	14	\$199.22
Roadside landing	4" - 0	\$1.37	\$11.64	\$1.22	60	\$853.80
Landing	4" - 0	\$1.37	\$11.64	\$1.22	120	\$1,707.60
Subtotal =					1,007	\$14,329.61

Totals	
All Rock =	1,007
4" - 0	1,007

TOTAL ROCK COSTS = \$14,329.61

EROSION CONTROL

Grass seed & fertilizer	0.22	ac @	\$425.00	per ac =	\$93.50
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TOTAL EROSION CONTROL COSTS = \$93.50

TOTAL PROJECT COST = \$16,800.02

SUMMARY OF CONSTRUCTION COST

Timber Sale: Neverstill

Sale Number: FG-341-2022-W00882-01

PROJECT No. 1 and 2 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS

<u>Equipment</u>	<u>Total</u>
Grader	\$993.17
Roller (smooth/grid) & Compactor	\$645.19
Excavator (Large) - Equipment Cleaning	\$1,993.17
Dozer (Large) - Equipment Cleaning	\$2,037.75
Dump Truck (10cy +)	\$524.19
	<u>TOTAL MOVE-IN COSTS = \$6,193.47</u>

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Neverstill
Sale Number: FG-341-2022-W00882-01
Stockpile Name: Barney Stockpile
4" - 0: 1,554 cy (truck measure)
Total truck yardage: 1,554 cy

<u>Move-in</u>					
Move in loader					<u>\$874.96</u>
				Subtotal =	<u>\$874.96</u>
				Per CY =	<u>\$0.56/cy</u>
<u>4"-0 Base Cost</u>					
Load dump truck	<u>\$0.80</u>	/ cy x	<u>1,554</u>	cy =	<u>\$1,243.20</u>
				Subtotal =	<u>\$1,243.20</u>
				Per CY =	<u>\$0.80</u>
				4"-0 Cost =	<u>\$1.37/cy</u>

CRUISE REPORT
Neverstill
#FG-341-2022-W00882-01

- 1. LOCATION:** Portions of Section 35, T1S, 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 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 February 2022. The Timber Sale Area was sampled with 37 variable radius plots laid out on a 4 chain x 4 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.
- 4. CRUISE RESULTS:** 267 trees were measured and graded producing a cumulative Sampling Error of 5.6% on the Basal Area and 5.6% on the Net 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. 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, Mark Savage and Shamus Smith.

Prepared by:	<u>Kenton Burns</u>	<u>2/23/2022</u>
	Name	Date
Reviewed by:	<u>Mark Savage</u>	<u>2/24/2022</u>
	Name	Date

TC PSTATS		PROJECT STATISTICS							PAGE	1	
		PROJECT NEVST3							DATE	2/23/2022	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt	
01S	06	35	00U1	00MC		68.00	37	282	S	W	
			PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES				
TOTAL			37	282	7.6						
CRUISE			37	282	7.6	13,437	2.1				
DBH COUNT											
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		267	174.7	17.4	112	69.2	288.6	52,490	52,354	11,854	
DOUG FIR-S		15	22.9	11.4	78	4.8	16.2				
TOTAL		282	197.6	16.8	108	74.3	304.9	52,490	52,354	11,854	
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		71.9	4.4	461	482	503					
DOUG FIR-S											
TOTAL		77.6	4.6	435	456	477	241	60	27		
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		65.9	4.0	103	107	112					
DOUG FIR-S											
TOTAL		71.7	4.3	97	102	106	205	51	23		
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		52.7	8.7	160	175	190					
DOUG FIR-S		235.0	38.6	14	23	32					
TOTAL		60.0	9.9	178	198	217	144	36	16		
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		34.0	5.6	273	289	305					
DOUG FIR-S		205.2	33.7	11	16	22					
TOTAL		34.8	5.7	287	305	322	48	12	5		
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		34.2	5.6	49,415	52,354	55,293					
DOUG FIR-S											
TOTAL		34.2	5.6	49,415	52,354	55,293	47	12	5		
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		33.3	5.5	11,206	11,854	12,503					
DOUG FIR-S											
TOTAL		33.3	5.5	11,206	11,854	12,503	44	11	5		

TC		PSTNDSUM		Stand Table Summary										Page 1			
														Date: 2/23/2022			
T01S R06W S35 Ty00MC 68.00				Project NEVST3					Time: 12:10:08PM								
				Acres 68.00					Grown Year:								
S Spc	T	Sample DBH	Trees	Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
				FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF	
DF		7	1	89	87	4.045	1.08										
DF		8	8	87	81	24.777	8.65	15.49	5.7	32.0	2.50	88	496	170	60	34	
DF		9	3	87	65	7.341	3.24	7.34	7.6	33.3	1.60	56	245	109	38	17	
DF		10	7	88	78	13.875	7.57	9.91	12.8	60.0	3.60	126	595	245	86	40	
DF		11	3	89	93	4.914	3.24	8.19	10.8	46.0	2.51	88	377	171	60	26	
DF		12	3	87	101	4.129	3.24	6.88	12.9	56.0	2.54	89	385	172	61	26	
DF		13	12	87	105	14.074	12.97	28.15	15.2	63.8	12.20	428	1,794	829	291	122	
DF		14	22	87	105	22.248	23.78	37.42	18.9	83.2	20.18	708	3,115	1,372	482	212	
DF		15	13	87	111	11.452	14.05	22.90	22.4	99.6	14.63	513	2,282	995	349	155	
DF		16	14	87	118	10.840	15.14	20.91	26.1	112.6	15.52	545	2,354	1,056	370	160	
DF		17	10	88	120	6.859	10.81	15.77	26.1	109.1	11.74	412	1,722	798	280	117	
DF		18	16	87	119	9.788	17.30	24.47	28.4	113.2	19.78	694	2,771	1,345	472	188	
DF		19	13	87	124	7.138	14.05	19.77	30.3	123.3	17.05	598	2,438	1,159	407	166	
DF		20	21	87	122	10.406	22.70	27.25	33.7	141.3	26.15	917	3,850	1,778	624	262	
DF		21	14	88	130	6.292	15.14	18.43	36.9	165.9	19.37	680	3,056	1,317	462	208	
DF		22	35	86	126	14.334	37.84	39.31	39.8	172.9	44.62	1,565	6,798	3,034	1,065	462	
DF		23	13	87	133	4.871	14.05	14.61	44.3	199.0	18.44	647	2,908	1,254	440	198	
DF		24	21	86	132	7.227	22.70	20.65	48.7	217.2	28.67	1,006	4,484	1,949	684	305	
DF		25	6	86	140	1.903	6.49	5.71	54.2	244.4	8.81	309	1,395	599	210	95	
DF		26	11	87	135	3.225	11.89	9.38	59.3	269.4	15.86	556	2,528	1,078	378	172	
DF		27	5	87	142	1.359	5.41	4.08	65.4	312.7	7.60	267	1,275	517	181	87	
DF		28	8	87	140	2.023	8.65	6.32	65.8	310.8	11.85	416	1,964	806	283	134	
DF		29	3	88	130	.707	3.24	2.12	71.8	346.7	4.34	152	735	295	104	50	
DF		30	7	86	141	1.542	7.57	4.62	80.5	385.2	10.61	372	1,782	721	253	121	
DF		31	2	88	137	.413	2.16	1.24	83.6	405.0	2.95	103	501	201	70	34	
DF		32	3	85	148	.581	3.24	1.94	85.1	412.0	4.69	165	797	319	112	54	
DF		33	1	86	152	.182	1.08	.55	102.0	506.7	1.59	56	277	108	38	19	
DF		34	2	87	123	.343	2.16	1.03	92.6	433.3	2.72	95	446	185	65	30	
DF		35	1	86	150	.162	1.08	.49	112.9	553.3	1.56	55	269	106	37	18	
DF		36	1	85	151	.153	1.08	.46	105.0	543.3	1.37	48	249	93	33	17	
DF		37	1	84	132	.145	1.08	.43	114.7	553.3	1.42	50	240	97	34	16	
DF		38	1	83	133	.137	1.08	.41	117.9	550.0	1.38	49	226	94	33	15	
DF		40	1	80	20	.124	1.08										
DF	Totals	282	87	108		197.608	304.86	376.23	31.5	139.2	337.84	11,854	52,354	22,973	8,061	3,560	
Totals		282	87	108		197.608	304.86	376.23	31.5	139.2	337.84	11,854	52,354	22,973	8,061	3,560	

Log Stock Table - MBF

T01S R06W S35 Ty00MC 68.00

Project: NEVST3
Acres 68.00

Page 1
Date 2/23/2022
Time 12:12:15PM

Spp	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
DF		2M	20	6		6	.2						6					
DF		2M	32	24		24	.7					7	8		10			
DF		2M	34	9		9	.3						9					
DF		2M	40	2,055		2,046	57.5					455	687	620	239	44		
DF		3M	28	3		3	.1			2	1							
DF		3M	30	3		3	.1			2	1							
DF		3M	32	42		42	1.2			36	7							
DF		3M	34	37		37	1.0			37								
DF		3M	36	18		18	.5			18								
DF		3M	38	56		56	1.6			35	21							
DF		3M	40	1,145		1,145	32.2			200	454	482	9					
DF		4M	12	10		10	.3			9	0							
DF		4M	14	10		10	.3			10								
DF		4M	16	8		8	.2			8								
DF		4M	18	9		9	.3			9								
DF		4M	20	12		12	.3			12								
DF		4M	22	23	1.3	23	.6			23								
DF		4M	24	19		19	.5			19	1							
DF		4M	26	16		16	.5			16								
DF		4M	28	17		17	.5			17								
DF		4M	30	30		30	.9			30								
DF		4M	32	5		5	.1			5								
DF		4M	36	4		4	.1			4								
DF		4M	40	8		8	.2			8								
DF		Totals		3,569		3,560	100.0			499	484	482	472	695	636	249	44	
Total		All Species		3,569		3,560	100.0			499	484	482	472	695	636	249	44	

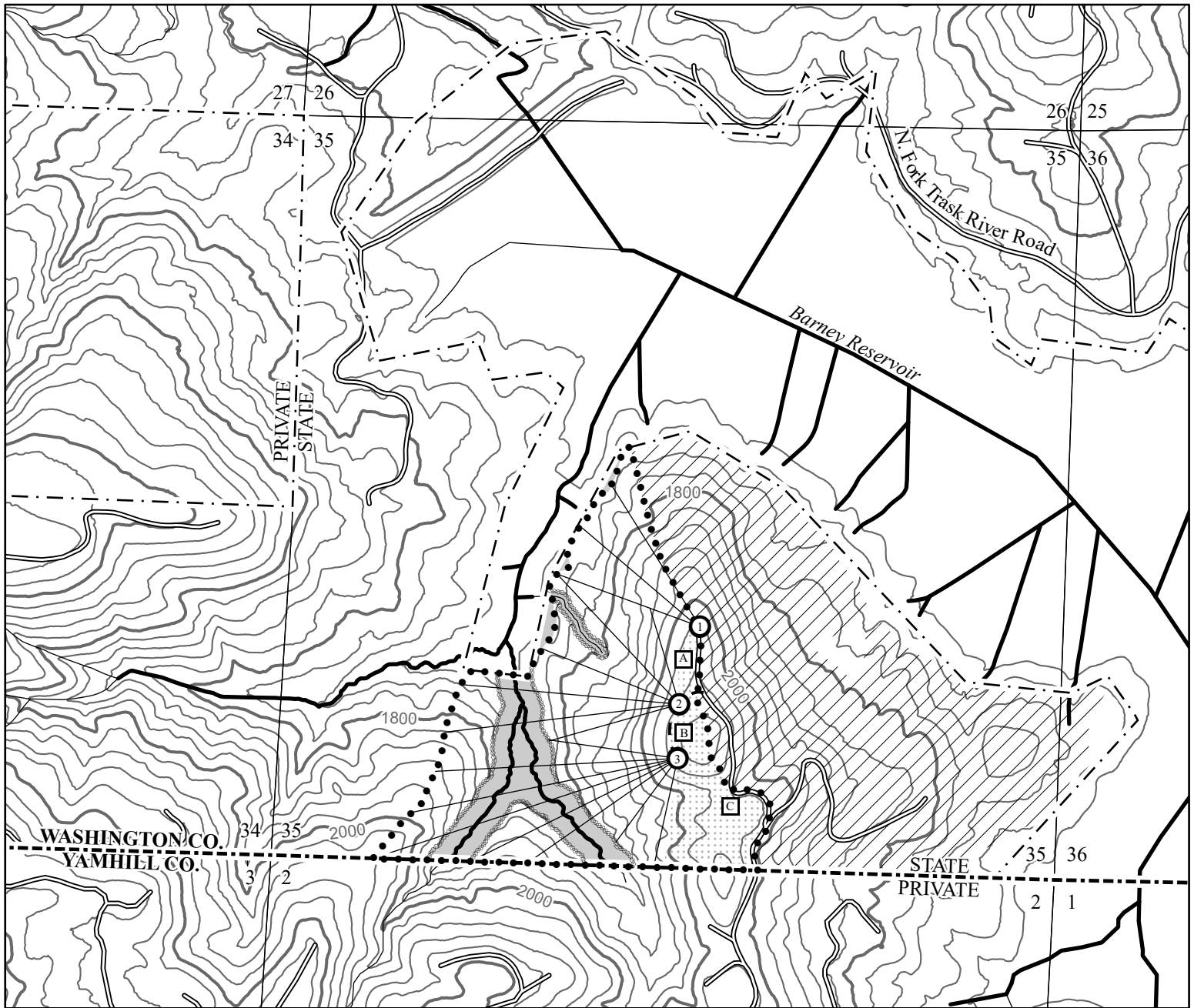
VOLUME SUMMARY
 (Shown in MBF)
Neverstill
FG-341-2022-W00882-01
March 2022

TIMBER SALE AREA: MC (68 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	Cruise Volume	2,086	1,303	171	3,560
	Hidden D&B (2%)	(42)	(26)	(3)	(71)
	NET TOTAL	2,044	1,277	168	3,489
	% of Total	58	37	5	

SALE TOTAL

SPECIES	2 SAW	3 SAW	4 SAW	TOTAL
Douglas-fir	2,044	1,277	168	3,489
Total	2,044	1,277	168	3,489



- Legend**
- Timber Sale Boundary
 - ⊃ Stream Buffer Boundary
 - - - ODF Ownership Boundary
 - Surfaced Roads
 - - - New Road Construction
 - Type-F Stream
 - Type-N Stream
 - ▒ Stream Buffer
 - /// Reforestation Area
 - ⋈ Cable Yarding Area
 - ▒ Tractor Yarding Area
 - Cable Landing
 - Tractor Landing
 - - - County Line
 - Section Lines
 - 40 Foot Contour Band
 - 200 Foot Contour Band

LOGGING PLAN

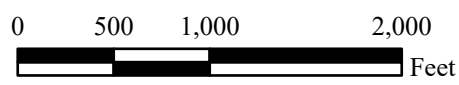
FOR TIMBER SALE CONTRACT #FG-341-2022-W00882-01
 NEVERSTILL
 PORTIONS OF SECTION 35, T1S, R6W, W.M.,
 WASHINGTON COUNTY, OREGON

Forest Grove District GIS
 March, 2022

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
TOTAL	12	56