

Sale TL-341-2023-W00957-01

District: Tillamook Date: December 21, 2022

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$872,519.22	\$20,160.56	\$892,679.78
		Project Work:	(\$32,470.00)
		Advertised Value:	\$860,209.78

12/27/22



Sale TL-341-2023-W00957-01

District: Tillamook Date: December 21, 2022

Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	100
Alder (Red)	16	0	100

Volume by Grade	2\$	3S & 4S 6"- 11"	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	1,275	924	0	0	0	0	2,199
Alder (Red)	0	0	28	40	9	21	98
Total	1,275	924	28	40	9	21	2,297

Comments: Additional Costs – Groom Creek

Pond Values Used: December 2022

Region: Astoria, Forest Grove, and Tillamook

Western red cedar and other cedars stumpage price = \$1,335/MBF - \$508.02/MBF = \$826.98/MBF

Western Hemlock and other conifer stumpage price = \$656/MBF - \$508.02/MBF = \$147.98/MBF

Pulp (Conifer and Hardwood) Price = \$2.50/Ton FUEL COST ALLOWANCE = \$5.00/Gallon

HAULING COST ALLOWANCE (\$120.00/hr x 10 hr.= \$ 1,200.00) = \$1,200/DAY

Other costs with profit and risk added:

BRAND AND PAINT ALLOWANCE = \$2.00/ MBF

2,297 MBF x \$2.00/MBF = \$4,594

TOTAL Other Costs with profit and risk to be added = \$4,594

Other Costs with no Profit and Risk Added:

Slash piling and sorting (Cable Settings): \$5/ac x 30 ac. = \$150

Heliport Construction: \$500/unit x 1 unit = \$500 Non-project Rd. 1: 5+80 sta. \$175/sta. = \$1,015

Non-project Rd. 2 approach rock (70yrd jaw-run) = \$1,280

Non-project Rd. 2: 5+50 sta. \$175/sta. = \$963 Non-project Rd. 3: 3+30 sta. \$175/sta. = \$578

Move-in Machine Cleaning: \$1,000/machine x 3 machines x 1 season = \$3,000

Machine Track Cleaning prior to vacating sale: \$1,000/machine x 3 machines

Machine time to block/waterbar roads and skid trails: 20 hours x \$150/hr

Slash Treatment: 15 acres x \$250/acre

= \$3,000= \$3,000= \$3,750

Ditch Cleaning and Bank Sluff Removal:

Mobilization: one time – dump truck w/ tilt bed & small excavator: \$900 x 1 = \$900

Small excavator (Cat 312 or equivalent): 10 hours @ \$135/ hour = \$1,350

Dump truck: 10 hours @ \$90/ hour = \$900

TOTAL Other Costs with no Profit and Risk added = \$20.386

ODF Road Maintenance

Spot Rocking: 20cy/MMBF/mile x 2.297 MMBF x \$7.75/cy x 4.25 miles /2,297 MBF = \$0.66/MBF

Interim Grading: \$1,150/mile x 4.25 miles x 1 times/ 2,297 MBF = \$2.13/MBF Final Maintenance Grading: \$1,500/mile x 4.25 miles/ 2,297 MBF = \$2.78/MBF Final Maintenance Compaction: \$1,000/mile x 2.5 miles/2,297 MBF = \$1.09/MBF

Total Road Maintenance: = \$6.66/MBF

12/27/22



Sale TL-341-2023-W00957-01

Date: December 21, 2022 **District: Tillamook**

Logging Conditions

Douglas - Fir 40.00% Combination#: 1

Alder (Red) 40.00%

Logging System: Cable: Small Tower <=40 Process: Harvester Head Delimbing

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

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

loads / day: bd. ft / load: 3500

cost / mbf: \$236.25

machines: Log Loader (A)

Forwarder Harvester

Tower Yarder (Small)

Douglas - Fir 60.00% Combination#: 2

Alder (Red) 60.00%

Logging System: Shovel Process: Harvester Head Delimbing

Medium (800 ft) yarding distance: downhill yarding: No

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

loads / day: bd. ft / load: 4600

cost / mbf: \$77.45 machines: Forwarder

Harvester

12/27/22 4



Sale TL-341-2023-W00957-01

District: Tillamook Date: December 21, 2022

Logging Costs

Operating Seasons: 1.00

Profit Risk: 10%

Project Costs: \$32,470.00

Other Costs (P/R): \$4,594.00

Slash Disposal: \$0.00

Other Costs: \$20,386.00

Miles of Road

Road Maintenance:

\$6.66

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	2.0
Alder (Red)	\$0.00	2.0	2.0



Sale TL-341-2023-W00957-01

District: Tillamook Date: December 21, 2022

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas -	Fir								
\$140.97	\$6.66	\$1.91	\$300.00	\$2.00	\$45.15	\$0.00	\$2.00	\$8.88	\$507.57
Alder (Red	l)								
\$140.97	\$6.66	\$1.91	\$300.00	\$2.00	\$45.15	\$0.00	\$2.00	\$8.88	\$507.57

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$904.35	\$396.78	\$0.00
Alder (Red)	\$0.00	\$713.29	\$205.72	\$0.00



Sale TL-341-2023-W00957-01

District: Tillamook Date: December 21, 2022

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	2,199	\$396.78	\$872,519.22
Alder (Red)	98	\$205.72	\$20,160.56

Gross Timber Sale Value

Recovery: \$892,679.78

Prepared By: Jonah Horn Phone: 503-842-2545

PROJECT SUMMARY SHEET



Sale: Groom Creek

CONSTRUCTION

		SUE	STOTAL CONSTRUCTION	\$20.732.74
Point	K to L	4+40	stations =	\$2,428.17
Point	G to H	11+10	stations =	\$5,015.33
Point	E to F	7+15	stations =	\$4,371.92
Point	C to D	9+90	stations =	\$4,562.52
Point	A to B	5+32	stations =	\$4,354.80

IMPROVEMENT

RECONSTRUCTION

		SHRTO	TAL PECONSTRUCTION	\$6 216 0 0
Point	I to J	11+10	stations =	\$4,549.91
Point	A to B	2+33	stations =	\$1,666.18

SPECIAL PROJECTS

	SUBTOTAL SPECIAL PROJECTS	\$1,820,00
Temporary Gate	Farmer Style	500.00
Pit Development	6hrs excavator	1,320.00

MOVE IN & MACHINE WASH \$3,701.17

GRAND TOTAL \$32,470.00

Sale: Road: A to B

Construction - 5+32 stations Improvement - 0+00 stations Reconstruction - 2+33 stations

Construction -	_	0 10	Stations	improvement	-	0+00	Stations	<u>Reconstruction -</u>		siduons
		0.10	miles			0.00	miles		0.04	miles
CONSTRUCTION: CL	EADIN	C CDLIDDIN	IC CCATTEDING	EVCAVATION (COMPACTION LOA	DINC END HALL	II TNC AND CDDE	ADING/COMPACT	TING AT WASTE	ADEA
CONSTRUCTION: CL	CAKIN	G, GRUDDIN	NG, SCATTERING,	Avg. Dist.	LOMPACTION, LOP	ADING, END-HAU	ILING AND SPRE	ADING/COMPACT	IING AT WASTE	AKEA -
Station	to	Station	Avg. Sideslope) Outslone/Ditch	Cost per Station	n			
2+33		4+17	45%	2 10 11111	<u>Outolope/Diterr</u>	\$373	=		\$686.32	
2+33 4+17		7+65	20%			\$193	_		\$671.64	
7117		7103	20 70			Ψ100	_		TOTAL	\$1,357.96
									IOIAL	Ψ1/337.30
RECONSTRUCTION:	CLEAR	RING AND G	RUBBING -							
ide cast	_0				0.007	acres @	\$955.00	per acre =	\$6.69	
Videning					0.005		1	per acre =	\$4.78	
cattering					0.060		\$1,415.00		\$84.90	
								CLEARING AN		\$96.37
RECONSTRUCTION:	EXCA\	/ATION -								4
Pullback		-			44	cy. @	\$2.20	per c.y.=	\$96.80	
Nidening					20		\$2.20	per c.y.=	\$44.00	
.						-, -	,		EXCAVATION	\$140.80
RECONSTRUCTION:	ENDH.	AUL -								
Pullback		1+83	to	2+33	44	cy. @	\$1.27	per c.y.=	\$55.88	
Widening		1+83	to	2+33	20	cy. @	\$1.27	per c.y.=	\$25.40	
Spread & compact					64	cy. @	\$0.55	per c.y.=	\$35.20	
								TOT	AL ENDHAUL	\$116.48
CULVERTS - MATER	IALS	& INSTALL								
			<u>Culverts</u>							
			3	0 LF of 30)" \$1,500.00					
								TOTA	AL CULVERTS	\$1,500.00
ROCK										
0+00 to		1+00	7	0 cy. of	Pit-Run	@	¢16.20	per c.y.=	\$1,140.30	
Approach Widening		0+00	2		Pit-Run	@		per c.y.=	\$291.80	
Culvert Crossing		4+20	2		Pit-Run	@		per c.y.=	\$298.60	
curvert crossing		1120	2	o cy. oi	i it ituii	٣	φ14.55		TOTAL ROCK	\$1,730.70
									. CIAL NOON	Ψ±,7.55.70
SPECIAL PROJECTS										
Construct Landing -					1.00	hours @	\$220.00	per hour	\$220.00	
Grade and shape road	-				7.65		\$24.40	per station	\$186.66	
Roll subgrade w/ vibrat		ller prior to	rockina -		7.65		\$19.40	per station	\$148.41	
emove large stumps -		. р			1.00		\$110.00	r	\$110.00	
Remove culverts from s		ands			1.00		\$252.70	total	\$252.70	
Grass seed and fertilize					0.24		\$310.00	per acre	\$74.40	
Mulching -	-				0.100		\$865.00	per acre	\$86.50	
9					0.100	aci co @	Ψ003.00		IAL PROJECTS	\$1,078.67
								1017125120		42,0,0101
								GRAND TOTAL	Γ	\$6,020.98
									L	70,0-3.50

Sale: Groom Creek Road: C to D

Construction -	_	9+90 0.19	stations miles	Improvement	=	_	0+00 0.00	stations	Reconstruction	<u>0+00</u> 0.00	stations miles
CONSTRUCTION: CI	LEARING	G, GRUBBIN	IG, SCATTERING, EX		OMPACTIO	N, LOAI	DING, END-HAUL	ING AND SPREA	ADING/COMPAC	CTING AT WAST	E AREA -
Station 0+00 1+40 2+30 3+85	<u>to</u>	<u>Station</u> 1+40 2+30 3+85 9+90	Avg. Sideslope 25% 15% 40% 12%	Avg. Dist. To W.A. (mi.)	Outslope	/Ditch	Cost per Station \$229 \$148 \$337 \$125	= = = =		\$320.60 \$133.20 \$522.35 \$756.25 TOTAL	\$1,732.40
ROCK 0+00 to Approach Widening		1+00 0+00	70 20	cy. of cy. of	Pit-Run Pit-Run		@ @		oer c.y.= oer c.y.=	\$1,183.00 \$304.00 TOTAL ROCK	\$1,487.00
SPECIAL PROJECTS Construct Landing - Grade and shape road Roll subgrade w/ vibra Remove large stumps Grass seed and fertiliz	l - atory rol -	ler prior to	rocking -			2.00 9.90 9.90 3.00 0.45	hours @ stations @ stations @ lump sum @ acres @	\$220.00 \$24.40 \$19.40 \$110.00 \$310.00	per hour per station per station per acre TOTAL SPE	\$440.00 \$241.56 \$192.06 \$330.00 \$139.50 CIAL PROJECTS	\$1,343.12

GRAND TOTAL

\$4,562.52

Sale: Groom Creek Road: E to F

Construction -	7+15		<u> Improvement -</u>				onstruction -		tations
	0.14	miles			0.00	miles		0.00 m	niles
CONSTRUCTION: CLE	EARING, GRUBBIN	IG, SCATTERING, EX	CAVATION, CO	MPACTION, LOA	DING, END-HAULI	ng and spreadin	NG/COMPACT	ING AT WASTE	AREA -
Station 0+00 1+00 2+70 3+70 5+00	to Station 1+00 2+70 3+70 5+00 7+15	Avg. Sideslope 20% 12% 35% 25% 12%	To W.A. (mi.)	Outslope/Ditch	Cost per Station \$193 \$125 \$265 \$229 \$125	= = = =		\$193.00 \$212.50 \$265.00 \$297.70 \$268.75	
3100	7113	12 /0			Ψ12 <i>3</i>	_	•	TOTAL	\$1,236.95
ROCK 0+00 to Approach Widening	1+00 0+00	70 20	cy. of cy. of	Pit-Run Pit-Run	@ @	\$17.15 per (\$15.45 per (c.y.=	\$1,200.50 \$309.00 FOTAL ROCK	\$1,509.50
SPECIAL PROJECTS Construct Landings - Grade and shape road Roll subgrade w/ vibrat Remove large stumps - Grass seed and fertilize	ory roller prior to	rocking -		4.00 7.15 7.15 3.00 0.33	stations @ stations @ lump sum @	\$24.40 p \$19.40 p \$110.00 \$310.00	per hour per station per station per acre TOTAL SPECI	\$880.00 \$174.46 \$138.71 \$330.00 \$102.30 AL PROJECTS	\$1,625.47

GRAND TOTAL

\$4,371.92

Sale: Road: G to H

Construction -	11+10 0.21	stations miles	Improvement	= .	0+00 0.00	stations <u>F</u> miles	Reconstruction		stations niles
CONSTRUCTION: CLEA	ARING, GRUBBIN	NG, SCATTERING, EX	XCAVATION, C Avg. Dist.	OMPACTION, LOA	DING, END-HAUL	ING AND SPREA	DING/COMPAC	CTING AT WASTE	AREA -
<u>Station</u> 0+00 1+85 8+30	to <u>Station</u> 1+85 8+30 11+10	Avg. Sideslope 15% 25% 12%	To W.A. (mi.)	Outslope/Ditch	Cost per Station \$148 \$229 \$125	= = =		\$273.80 \$1,477.05 \$350.00 TOTAL	\$2,100.85
ROCK 0+00 to Approach Widening	1+00 0+00	70 20	cy. of cy. of	Pit-Run Pit-Run	@ @	\$17.38 p \$15.68 p		\$1,216.60 \$313.60 TOTAL ROCK	\$1,530.20
SPECIAL PROJECTS Construct truck turnout - Construct Landing - Grade and shape road - Roll subgrade w/ vibrator Remove large stumps - Grass seed and fertilize -	ry roller prior to	rocking -		1.00 1.00 11.10 11.10 4.00 0.51	each @ hours @ stations @ stations @ lump sum @ acres @	\$80.00 \$220.00 \$24.40 \$19.40 \$110.00 \$310.00	per hour per hour per station per station per acre TOTAL SPE	\$80.00 \$220.00 \$270.84 \$215.34 \$440.00 \$158.10 CIAL PROJECTS	\$1,384.28
						(GRAND TOTAL	L [\$5,015.33

Sale: Groom Creek Road: I to J

Construction -	0+00	stations	Improveme	nt -	0+00	stations	Reconstruction -	11+10	stations
_	0.00	miles			0.00	miles		0.21	miles
DECONCEDUCATION CLEAR	TNIC AND C	DI IDDINIC							
RECONSTRUCTION: CLEAR Widening	ING AND G	KUBBING -		0.032	acres @	¢0EE 00	per acre =	\$30.56	
Scattering				0.310	acres @	\$1,415.00		\$438.65	
Scattering				0.510	ucies @		CLEARING ANI		\$469.21
RECONSTRUCTION : EXCAV	ATION -								4
Widening				96	cy. @	\$2.20	per c.y.=	\$211.20	_
							TOTAL E	XCAVATION	\$211.20
RECONSTRUCTION: ENDHA	A I II								
Widening	0+00	to	5+75	83	cy. @	\$1.27	per c.y.=	\$105.41	
Widening	6+70	to	9+25	13	cy. @	\$1.27	per c.y.=	\$16.51	
Spread & compact	0170		3.23	96	cy. @	\$0.55	per c.y.=	\$52.80	
oproductionpubl					-7: C	7		AL ENDHAUL	\$174.72
CULVERTS - MATERIALS 8	& INSTALL								
		<u>Culverts</u>	50 LF of	18" \$1,262.50					
		Culvert Stakes		10 \$1,202.50					
		Culvert Stakes	1 markers	\$9.00					
			1	Ψ5.00			TOTA	L CULVERTS	\$1,271.50
ROCK 0+00 to	1 . 00		70	Dit D		410.27		±1 270 00	
0+00 to Culvert Backfill	1+00 0+00		70 cy. of 30 cv. of	Pit-Run Crushed	@		per c.y.= per c.y.=	\$1,278.90 \$234.60	
Energy Dissipator	0+00	•	30 cy. of 5 cy. of	Riprap	@ @		per c.y.=	\$85.80	
Lifergy Dissipator	0+00		J Cy. 01	кіргар	w	\$17.10		TOTAL ROCK	\$1,599.30
									+=/555.50
SPECIAL PROJECTS									
Construct loboy turnaround -				1.00	hours @	\$220.00	per hour	\$220.00	
Grade and shape road -				11.10	stations @	\$24.40	per station	\$270.84	
Roll subgrade w/ vibratory rol	ler prior to	rocking -		11.10	stations @	\$19.40	per station	\$215.34	
Grass seed and fertilize -				0.38	acres @	\$310.00	per acre	\$117.80	_
							TOTAL SPEC	IAL PROJECTS	\$823.98
							GRAND TOTAL		\$4,549.91

Sale: Groom Creek Road: K to L

Construction -	4+40 0.08	stations miles	<u>Improvement -</u>	-	0+00 0.00	stations miles	Reconstruction -		stations miles
CONSTRUCTION: CLEARI	NG, GRUBBIN	G, SCATTERING, E	XCAVATION, CC Avg. Dist.	MPACTION, LOAI	DING, END-HAUL	ING AND SPREA	ADING/COMPACT	ING AT WASTE	AREA -
<u>Station</u> to	Station	Avg. Sideslope	To W.A. (mi.)	Outslope/Ditch	Cost per Station				
0+00	1+35	5%			\$103	=		\$139.05	
1+35	2+00	25%			\$229	=		\$148.85	
2+00	2+85	50%			\$636	=		\$540.60	
2+85	4+40	25%			\$229	=		\$354.95	
								TOTAL	\$1,183.45
SPECIAL PROJECTS Construct Landing Grade and shape road - Roll subgrade w/ vibratory r Remove large stumps - Grass seed and fertilize -	roller prior to ı	rocking -		3.00 4.40 4.40 3.00 0.20	hours @ stations @ stations @ lump sum @ acres @	\$220.00 \$24.40 \$19.40 \$110.00 \$310.00	per hour per station per station per acre TOTAL SPECT	\$660.00 \$107.36 \$85.36 \$330.00 \$62.00 AL PROJECTS	\$1,244,72

GRAND TOTAL

\$2,428.17

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

	Pit:	E. Fk. Trask Crushed	Stockpile	Location:	Sec. 7, T2S,	. R7W, W.M.	
	Sale:	Groom Creek		_	Road:	·	30 c.y.
	Swell:	1.40		_	Stockpile:		c.y.
	Shirinkage	1.16		_	Total Truck	Loads:	30 c.y.
	Drill Pct.:	0%		_	In Place Tot		21 c.y.
	Load Dump Truck:		\$1.20	/cu.yd. x	30	cu.yds. =	\$36.00
						Subtotal	\$36.00
	Base Cost=	\$1.20	Per Cu.Yd.	TO	TAL PRODUC	TION COSTS	\$36.00
Road							
Segment	Haul Cost	Proc Cost	Base Cost.	Cost	Number		ROCK
	\$/cu.yd.	\$/cu.yd.	\$/cu.yd.	\$/cu.yd.	Cu. Yds		COST
to J Culvert Backfill (Crushed)	5.12	1.50	1.20	7.82	30		\$234.60
				Total C.Y.	30	Sub Total	\$234.60
					TOTAL ROC	KING COSTS	\$234.60

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

	Pit:	East Fork Trask Pit		Location:	Sec. 18, T2S,	R7W, W.M.	
	Sale:	Groom Creek		_	Road:		455 c.y.
	Swell:	1.40		_	Stockpile:		c.y.
	Shirinkage	1.16		_	Total Truck Lo	oads:	455 c.y.
	Drill Pct.:	0%		_	In Place Tota	:	325 c.y.
				_		<u>-</u>	
	Rip Rock:		\$3.35	/cu.yd. x	325 c	u.yds. =	\$1,088.75
	Sort Rock:		\$1.20	/cu.yd. x		u.yds. =	\$546.00
	Load Dump Truck:		\$1.20	/cu.yd. x	455 c	u.yds. =	\$546.00
						- · · · · · · · · · · · · · · · · · · ·	10.100.75
						Subtotal	\$2,180.75
	Move in Roller and Co	ompactor	1	@	\$488.50	=	\$488.50
	Move in Grader	opa ete.	1	@	\$579.86	=	\$579.86
	Move in Excavator		1	@	\$687.14	=	\$687.14
	Move in Trucks		2	@	\$197.24	=	\$394.48
	Move in Water Truck		1	@	\$197.24	=	\$197.24
				C	4	Subtotal	\$2,347.22
				ТО	TAL PRODUCT	ION COSTS	\$4,527.97
	Base Cost=	\$9.95	Per Cu.Yd.				1 /2 -
Road							
Segment	Haul Cost	Proc Cost	Base Cost.	Cost	Number		ROCK
Segment	\$/cu.yd.	\$/cu.yd.	\$/cu.yd.	\$/cu.yd.	Cu. Yds		COST
A to B 0 100 (Pit-Run)	3.14	3.20	9.95	16.29	70		\$1,140.30
A to B Approach Widening (Pit-Run)	3.14	1.50	9.95	14.59	20		\$291.80
A to B Culvert Crossing (Pit-Run)	3.28	1.70	9.95	14.93	20		\$298.60
C to D 0 100 (Pit-Run)	3.75	3.20	9.95	16.90	70		\$1,183.00
C to D Approach Widening (Pit-Run)	3.75	1.50	9.95	15.20	20		\$304.00
E to F 0 100 (Pit-Run)	4.00	3.20	9.95	17.15	70		\$1,200.50
E to F Approach Widening (Pit-Run)	4.00	1.50	9.95	15.45	20		\$309.00
G to H 0 100 (Pit-Run)	4.23	3.20	9.95	17.38	70		\$1,216.60
G to H Approach Widening (Pit-Run)	4.23	1.50	9.95	15.68	20		\$313.60
I to J 0 100 (Pit-Run)	5.12	3.20	9.95	18.27	70		\$1,278.90
I to J Energy Dissipator (Riprap)	5.51	1.70	9.95	17.16	5		\$85.80
				T-t-LCV	455	Code Tabal	
				Total C.Y.	455	Sub Total	\$7,622.10

TOTAL ROCKING COSTS

\$7,622.10

Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **Groom Creek**

LOWBOY HAUL (Round Trip)									
		AVE SPEED							
DIST. (mi)	ROADWAY	(mph)							
28.0	Pavement	30							
7.6	Main Lines	7							
0.4	Steep Grades	2							

								Within	
	EQUIPMENT	Move in	Pilot	Within Area	Begin	End	Total	Area	Total
No.	DESCRIPTION	Cost	Cars	Move (\$/mile)	Mileage	Mileage	Miles	Cost	Cost
1	Excavators (Large)	\$687.14	1	\$44.80	0.00	1.20	1.2	\$53.76	\$740.90
1	Tractor (D8)	\$743.14	2	\$15.10	0.00	1.20	1.2	\$18.12	\$761.26
1	Dump Truck (10 cy +)	\$199.01		\$2.85	0.00	0.00	0	\$0.00	\$199.01
1	Machine Wash	\$2,000.00		\$0.00	0.00	0.00	0	\$0.00	\$2,000.00
					TOTAL M	OVE-IN C	OSTS:		\$3,701.17



OREGON DEPARTMENT OF FORESTRY CRUISE REPORT

Groom Creek

1. Type of Sale

Regeneration harvest, Recovery

2. <u>Legal Description</u>

Section(s) Section(s) 17, 18, 19, & 20 of T2S R7W .Tillamook County, W.M.

3. Sale Acreage

Sale acreage was determined by GPS and orthophotographs along with GIS.

ACRES

	Gross	<u>Net</u>
Unit 1 (Modified Clearcut)	114	75
Total	114	75

Gross Acres

Area within the Timber Sale Boundary signs

Net acres

Used for calculating the advertised volume.

Gross acres, less green tree retention, roads, Non-required thinning areas, and riparian areas classified as Special Stewardship in LMCS inside the sale boundary.

4. Cruising Procedures

A. Cruise Method

Timber sale Unit 1 was cruised using variable plot sampling. The unit was cruised by ODF Staff in September 2022. All conifers 8" DBH and greater containing 20 board feet and all hardwoods 10" DBH and greater containing 30 board feet were recorded on all plots. Species, DBH (to nearest inch), merchantable bole length (to nearest foot), form factor, and defect were recorded for all measure trees. Merchantable heights were recorded to 6" and 7" outside bark for conifers and hardwoods, respectively.

B. Plot size

Unit	BAF	Spacing
1	40.00	300' x 300'

C. Grading System

All trees were graded according to Columbia River Log Scaling and Grading Rules. Log lengths favored 40' lengths.

5. Computation Procedure

Plot data was entered into SuperAce for computation of basal area, advertised volume, volume summary, log stock table, and stand table for each species and type.

Net sale acreage was used for volume calculation.

	Cruise Sta	Cruise Statistics (Board Foot Volumes)							
Unit	Acres	Number of Plots	SE (%)	CV (%)					
1	75	27	7.0	35.9					
Project Total	75	27	7.0	35.9					

6. Hidden Defect and Breakage

A 2% reduction for conifers and a 4% reduction for hardwood volumes were applied for hidden defect and breakage.

7. Timber Description

Units 1 is modified clearcuts. The Unit is Douglas-fir dominated stand, with a minor component (5%) of Red alder. The northern portion has about 52 acres that was thinned in the 1997 Scotch Bloom Thin.

The stand was burned in the 1951 North Fork Fire.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)	Merchantable top (inches inside bark)
1	61	Douglas-fir	19.8	92	5
1	61	Red alder	15.7	50	6

Above date derived from Statistics (type) report using SuperAce 2008, developed by Atterbury consultants, Inc.

8. Cruiser /Dates

ODF Staff Cruised; September 2022.

9. Revenue Distribution

BOF - 100%

Tax Code: 901 (100%) Deed Numbers: 169

10. Attachments

Volume Summary Table Stand Table Log Stock Table Species, Sort, Grade Table Groom Creek Timber Sale TL-341-2023-W00957-01 10-18-2022

Logging Plan

11. Stand and Log Stock Tables Species Key

DF – Douglas-fir take

RA – red alder take

OC – Other Conifer

 $DL-Douglas\text{-}fir\ leave$

Т	TSPCSTO	FR			Specie	s, Sort (Project	Grade - Boar : GRO		ot Vol	umes	s (Тур	oe)				1	Page Date Fime	2 1	1 2/21/20 :56:28	
	T2S R7W S18 T0100 T2S R7W S18 T0100 Twp Rge Sec Tract Type Acres Plots Sample Trees CuFt BdFt 2S 7W 18 GROOM 0100 75.00 27 129 S W																			
			%					Pero	cent No	et Boar	d Foot	Volume	e			Av	erag	ge Log		T
Spp	s so T rt	Gr ad	Net BdFt	Bd. i	Ft. per Acre Gross	Net	Total Net MBF	4-5	og Sca	ale Dia 12-16		1	21-30		36-99	Ln I Ft I		Bd Ft	CF/ Lf	Logs Per /Acre
DF	CC	2	57	.1	17,336	17,317	1,299			57	43	2	1	1	96	39	15	362	2.11	47.9
DF	CC	3	32		9,308	9,308	698		84	16		0	4	2	94	39	9	130	0.86	71.8
DF	CC	4	11		3,292	3,292	247	43	57			15	37	10	38	27	6	36	0.36	91.9
DF	Totals		94	.1	29,936	29,917	2,244	5	32	38	25	3	6	2	89	34	9	141	1.02	211.6
RA	CC	4	11		159	159	12		100						100	40	9	120	0.83	1.3
RA	Н	4	11		140	140	11		100				100			25	8	60	0.58	2.3
RA	Н	2	8	4.2	124	119	9			100					100	40	13	230	2.30	.5
RA	Н	3	34		460	460	35		100			20	47		32	27	11	108	1.21	4.2
RA	Н	4	36	6.0	506	475	36		100			33	53	14		22	7	36	0.50	13.2
RA	Totals		4	2.6	1,390	1,354	102		91	9		18	45	5	32	25	8	63	0.76	21.7
DL	CC	2	95		523	523	39			29	71				100	40	17	477	2.74	1.1
DL	CC	3	3		16	16	1		100				100			25	9	60	0.83	.3
DL	CC	4	2		8	8	1		100			100				18	8	30	0.57	.3
DL	Totals		2		548	548	41		4	28	68	2	3		96	34	14	333	2.31	1.6
Type T	Totals			.2	31,874	31,819	2,386	4	34	37	25	3	7	3	87	33	9	135	1.01	234.9

TC TSTNDSUM Stand Table Summary

Project GROOM

T2S R7W S18 T0100 T2S R7W S18 T0100

Page: Twp Sample Trees Rge Sec Tract Type Acres **Plots** Date: 10/18/2022 **2S** 7W18 GROOM $\boldsymbol{0100}$ 75.00 27 129 Time: 8:06:21AM

Name		I				Av				Aver	age Log		Net	Net		_	
No. Part		\mathbf{s}		Sample	FF	Ht	Trees/	BA/	Logs			Tons/	Cu.Ft.	Bd.Ft.	T	otals	
DF		- 1	DBH	•	16'	Tot	Acre	Acre	U	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF	DF	T	9	1	83	108	5.329	2.35	10.66	7.4	35.0	2.24	79	373	168	59	28
DF	DF	-	12	1	83	112	2.997	2.35	5.99	13.6	50.0	2.32	81	300	174	61	22
DF	DF	-	13	2	80	116	5.108	4.71	10.22	16.3	57.5	4.74	166	587	356	125	44
DF	DF		14	3	83	115	6.606	7.06	13.21	20.3	83.3	7.65	268	1,101	574	201	83
DF	DF	-	15	2	85	107	3.837	4.71	9.59	18.0	74.0	4.93	173	710	370	130	53
DF 18 6 83 117 7.993 14.12 19.98 27.8 106.0 15.82 555 2,118 DF 19 3 83 124 3.587 7.06 10.76 28.0 107.8 8.59 301 1,160 DF 20 2 82 105 2.158 4.71 5.40 32.9 116.0 5.06 178 626 DF 21 8 84 123 7.830 18.83 23.49 33.8 144.2 22.64 794 3,386 DF 22 4 83 132 3.567 9.42 10.70 39.2 162.5 11.95 419 1,739 DF 23 6 84 121 4.896 14.12 13.87 43.6 179.4 17.24 605 2,489 DF 23 6 84 121 4.896 14.12 3.899 44.3 3.343 11.16	DF		16	4	84	114	6.744	9.42	20.23	17.3	70.0	9.97	350	1,416	748	262	106
DF	DF	-	17	2	84	108	2.987	4.71	7.47	23.7	92.0	5.04	177	687	378	133	52
DF	DF	-	18	6	83	117	7.993	14.12	19.98	27.8	106.0	15.82	555	2,118	1,186	416	159
DF 21 8 84 123 7.830 18.83 23.49 33.8 144.2 22.64 794 3,386 DF 22 4 83 132 3.567 9.42 10.70 39.2 162.5 11.95 419 1,739 DF 23 6 84 121 4.896 14.12 13.87 43.6 179.4 17.24 605 2,489 DF 24 4 82 127 2.997 9.42 8.99 44.3 183.3 16.14 566 2,479 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 563 2,479 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46	DF		19	3	83	124	3.587	7.06	10.76	28.0	107.8	8.59	301	1,160	644	226	87
DF 22 4 83 132 3.567 9.42 10.70 39.2 162.5 11.95 419 1,739 DF 23 6 84 121 4.896 14.12 13.87 43.6 179.4 17.24 605 2,489 DF 24 4 82 127 2.997 9.42 8.99 44.3 183.3 11.36 399 1,649 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,889 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97	DF		20	2	82	105	2.158	4.71	5.40	32.9	116.0	5.06	178	626	380	133	47
DF 23 6 84 121 4.896 14.12 13.87 43.6 179.4 17.24 605 2,489 DF 24 4 82 127 2.997 9.42 8.99 44.3 183.3 11.36 399 1,649 DF 25 5 83 143 3.453 11.77 10.36 54.7 239.3 16.14 566 2,479 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,859 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 9	DF		21	8	84	123	7.830	18.83	23.49	33.8	144.2	22.64	794	3,386	1,698	596	254
DF 24 4 82 127 2.997 9.42 8.99 44.3 183.3 11.36 399 1,649 DF 25 5 83 143 3.453 11.77 10.36 54.7 239.3 16.14 566 2,479 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,859 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.05 97 375 DF 30 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204	DF		22	4	83	132	3.567	9.42	10.70	39.2	162.5	11.95	419	1,739	896	314	130
DF 25 5 83 143 3.453 11.77 10.36 54.7 239.3 16.14 566 2.479 DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,859 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97 375 DF 30 2 80 130 .843 4.71 2.58 78.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.58 89.8 420.0 6.09 214	DF		23	6	84	121	4.896	14.12	13.87	43.6	179.4	17.24	605	2,489	1,293	454	187
DF 26 5 83 137 3.192 11.77 9.58 56.7 244.7 15.46 543 2,343 DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,859 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97 375 DF 30 2 80 130 .843 4.71 2.88 73.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.58 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 2.14	DF		24	4	82	127	2.997	9.42	8.99	44.3	183.3	11.36	399	1,649	852	299	124
DF 27 4 83 134 2.368 9.42 7.10 60.5 261.7 12.24 430 1,859 DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97 375 DF 30 2 80 134 .959 4.71 2.88 73.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 47	DF		25	5	83	143	3.453	11.77	10.36	54.7	239.3	16.14	566	2,479	1,211	425	186
DF 28 1 82 136 .551 2.35 1.65 64.0 273.3 3.01 106 451 DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97 375 DF 30 2 80 134 .959 4.71 2.88 73.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 <td>DF</td> <td>- </td> <td>26</td> <td>5</td> <td>83</td> <td>137</td> <td>3.192</td> <td>11.77</td> <td>9.58</td> <td>56.7</td> <td>244.7</td> <td>15.46</td> <td>543</td> <td>2,343</td> <td>1,160</td> <td>407</td> <td>176</td>	DF	-	26	5	83	137	3.192	11.77	9.58	56.7	244.7	15.46	543	2,343	1,160	407	176
DF 29 1 78 119 .513 2.35 1.54 62.7 243.3 2.75 97 375 DF 30 2 80 134 .959 4.71 2.88 73.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 120 .352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431	DF		27	4	83	134	2.368	9.42	7.10	60.5	261.7	12.24	430	1,859	918	322	139
DF 30 2 80 134 .959 4.71 2.88 73.8 320.0 6.05 212 921 DF 32 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 120 .352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207	DF		28	1	82	136	.551	2.35	1.65	64.0	273.3	3.01	106	451	226	79	34
DF 32 2 80 130 .843 4.71 2.53 80.6 348.3 5.81 204 881 DF 33 2 84 132 .793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 120 .352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7.207 29.917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31	DF	-	29	1	78	119	.513	2.35	1.54	62.7	243.3	2.75	97	375	206	72	28
DF 33 2 84 132 793 4.71 2.38 89.8 420.0 6.09 214 999 DF 34 1 77 144 373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 120 352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207 29.917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.25 82	DF		30	2	80	134	.959	4.71	2.88	73.8	320.0	6.05	212	921	454	159	69
DF 34 1 77 144 .373 2.35 1.12 98.6 420.0 3.15 110 470 DF 35 1 77 120 .352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207 29.917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 <	DF	-	32	2	80	130	.843	4.71	2.53	80.6	348.3	5.81	204	881	435	153	66
DF 35 1 77 120 .352 2.35 1.06 90.9 346.7 2.74 96 366 DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207 29,917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 <td< td=""><td>DF</td><td></td><td>33</td><td>2</td><td>84</td><td>132</td><td>.793</td><td>4.71</td><td>2.38</td><td>89.8</td><td>420.0</td><td>6.09</td><td>214</td><td>999</td><td>456</td><td>160</td><td>75</td></td<>	DF		33	2	84	132	.793	4.71	2.38	89.8	420.0	6.09	214	999	456	160	75
DF 39 1 77 119 .284 2.35 .85 100.0 506.7 2.43 85 431 DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207 29,917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 1	DF		34	1	77	144	.373	2.35	1.12	98.6	420.0	3.15	110	470	236	83	35
DF Totals 73 83 120 80.318 171.85 211.61 34.1 141.4 205.41 7,207 29,917 RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 .84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.06 33.1 105.0 1.50 55 17	DF	-	35	1	77	120	.352	2.35	1.06	90.9	346.7	2.74	96	366	205	72	27
RA 13 1 73 68 1.768 1.63 3.54 8.7 30.0 84 31 106 RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	DF		39	1	77	119	.284	2.35	.85	100.0	506.7	2.43	85	431	182	64	32
RA 14 2 79 71 3.049 3.26 6.10 13.3 40.0 2.22 81 244 RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85	DF	7	Totals	73	83	120	80.318	171.85	211.61	34.1	141.4	205.41	7,207	29,917	15,406	5,406	2,244
RA 15 2 81 74 2.656 3.26 3.98 20.6 80.0 2.25 82 319 RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80	RA		13	1	73	68	1.768	1.63	3.54	8.7	30.0	.84	31	106	63	23	8
RA 16 2 78 66 2.334 3.26 3.50 19.1 73.3 1.84 67 257 RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA		14	2	79	71	3.049	3.26	6.10	13.3	40.0	2.22	81	244	167	61	18
RA 18 1 74 61 .922 1.63 1.84 21.6 65.0 1.10 40 120 RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA		15	2	81	74	2.656	3.26	3.98	20.6	80.0	2.25	82	319	169	61	24
RA 19 1 77 87 .828 1.63 1.66 33.1 105.0 1.50 55 174 RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA		16	2	78	66	2.334	3.26	3.50	19.1	73.3	1.84	67	257	138	50	19
RA 24 1 75 85 .519 1.63 1.04 53.9 130.0 1.54 56 135 RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA	-	18	1	74	61	.922	1.63	1.84	21.6	65.0	1.10	40	120	82	30	9
RA Totals 10 78 71 12.076 16.30 21.66 19.0 62.5 11.30 411 1,354 DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA		19	1	77	87	.828	1.63	1.66	33.1	105.0	1.50	55	174	113	41	13
DL 31 1 78 125 .283 1.48 .85 72.1 276.7 1.68 61 235 DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA		24	1	75	85	.519	1.63	1.04	53.9	130.0	1.54	56	135	115	42	10
DL 32 1 82 134 .265 1.48 .80 84.4 393.3 1.85 67 313	RA	-	Totals	10	78	71	12.076	16.30	21.66	19.0	62.5	11.30	411	1,354	848	308	102
	DL	T	31	1	78	125	.283	1.48	.85	72.1	276.7	1.68	61	235	126	46	18
DI Totals 2 90 120 549 2.06 1.64 79.1 222.1 2.52 129 549	DL		32	1	82	134	.265	1.48	.80	84.4	393.3	1.85	67	313	139	50	23
DL 15000 2 60 129 .546 2.90 1.04 76.1 555.1 5.55 126 546	DL	7	Totals	2	80	129	.548	2.96	1.64	78.1	333.1	3.53	128	548	265	96	41
Totals 85 82 114 92.942 191.11 234.91 33.0 135.5 220.24 7747 31,819	Totals			85	82	114	92.942	191.11	234.91	33.0	135.5	220.24	7747	31,819	16,518	5,810	2,386

TC TLOGSTVB Log Stock Table - MBF Project: **GROOM** T2S R7W S18 T0100 T2S R7W S18 T0100 Page Twp Rge Tract Type Acres Plots Sample Trees Sec Date 10/18/2022 2S7W18 **GROOM** 0100 75.00 27 129 Time 8:07:22AM S So Gr Log Gross % Net % Net Volume by Scaling Diameter in Inches Spp T rt de MBF MBF Len Def Spc 2-3 4-5 10-11 12-13 14-15 16-19 20-23 24-29 30-39 CO 2 10 10 10 16 DF .5 CO 2 DF 20 14 14 14 .6 CO 2 DF 30 13 13 .6 13 DF CO 2 34 19 19 .9 CO 2 40 1,243 1,242 55.3 229 344 491 178 DF .1 2 2 .1 DF CO3 19 2 CO 3 DF 3 22 3 3 .1 CO 2 2 DF 3 27 2 .1 2 DF CO3 28 17 17 .8 15 DF CO 3 29 4 .2 4 DF CO 3 32 6 .3 3 3 6 DF CO 3 3 3 33 3 .1 3 DF 3 CO 3 3 35 .1 10 10 DF CO 3 36 .5 649 150 100 DF CO 3 40 649 28.9 58 341 6 .3 DF CO 4 12 6 DF CO 4 13 3 1 3 .1 DF CO 4 15 1 .1 DF CO 2 4 16 2 .1 2 DF CO 4 18 2 .1 DF CO 4 19 3 .1 DF 20 19 19 .9 19 CO 4 DF CO 4 21 9 5 .4 DF CO 4 18 18 .8 10 2 6 22 DF CO 4 23 9 9 2 .4 DF CO 4 24 13 13 .6 2 5 DF CO 4 25 6 .3 DF СО 4 18 2 26 18 .8 6 .2 DF CO 4 27 6 6 DF CO 4 .2 29 5 DF CO 7 .3 4 30 DF CO 4 31 8 .4 2 DF CO 4 32 8 .4 DF 4 33 6 .3 CO 3 DF CO 4 35 .1 3 DF CO 4 3 3 36 3 .1 13 DF CO 4 37 13 13 .6 78 78 12 50 DF CO 4 40 3.5 16 Totals 2,244 94.0 106 149 219 360 352 354 510 178 14 DF 2,245 11.8 12 RA CO 4 40 12 12 RA Н 8 7.8 4 24 8 RA Н 4 25 3 3 2.6 3 4.2 9 8.8 9 RA Н 2 40 7 7 7 6.9 RA Н 3 16 RA Н 3 27 9 9 8.6 9 Н 3 30 8 8 7.5 8 RA RA Н 3 40 11 11 11.0 11 4 15 1 1 1.4 1 RA Н RA Н 4 16 4 4 3.9 4

TC	TLC	OGST	VB						g Stocl	k Tal	ole - Mi	BF OOM									
T2S Twp 2S		R	518 ' ge W) Sec 18	Trac GRO			Type 0100		Acres		Plots 27	Samp	ole Trees	5]	S R7W S Page Date Time	S18 T010 2 10/18/ 8:07:2		
	S	So	Gr	Log		Gross	%	Net	%			Net Vo	lume by	Scaling	g Diamet	er in In	ches				
Spp	T	rt (de	Len		MBF	Def	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+
RA		Н	4	20		8	15.1	6	6.3			2	5								
RA		Н	4	21		3		3	3.4			3									
RA		Н	4	22		7	15.4	6	6.2			6	i								
RA		Н	4	28		1		1	1.1			1									
RA		Н	4	30		8		8	7.9				8								
RA		Н	4	32		5		5	4.9			5	i								
RA			To	tals		104	2.6	102	4.3			22	29	42	. 9						
DL		СО	2	40		39		39	95.5						4	7	13	15			
DL		СО	3	25		1		1	2.9				1								
DL		СО	4	18		1		1	1.5				1								
DL			To	tals		41		41	1.7				2		4	7	' 13	15			
Total A	All S _l	pecie	s			2,391		2,386	100.0		106	171	249	403	365	361	523	193	14		

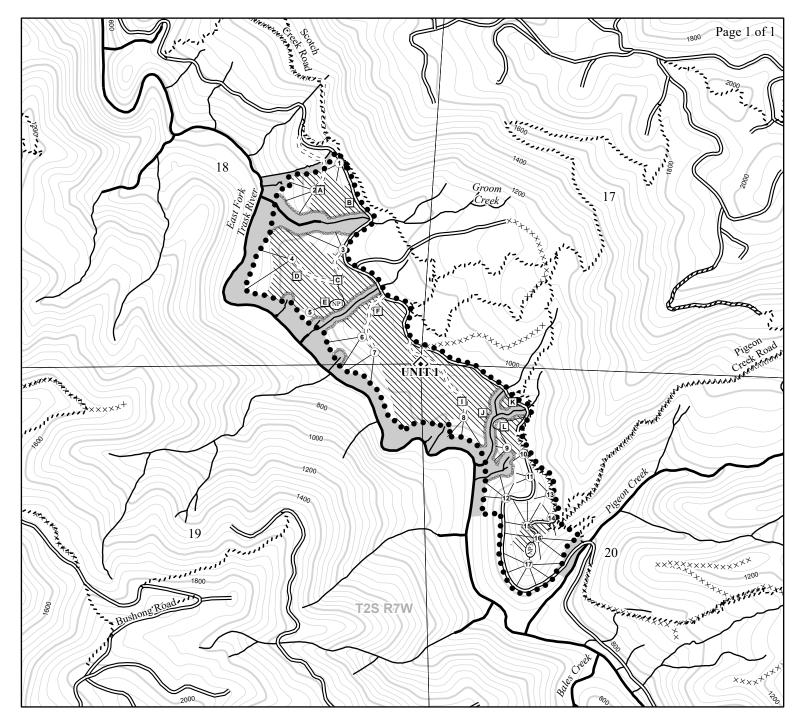


Groom Creek

Volume Summary

Unit 1-Modified Clearcut										
	75 acres									
CDECIEC	Cruised Net	Cruised Net	Hidden	Net Sale						
SPECIES	MBF/ Acre	MBF	D&B	MBF						
Douglas-fir	29.9	2244	2%	2199						
red alder	1.4	102	4%	98						
TOTAL	31.3	2346		2297						

TOTAL SALE VOI	LUME 75	acres
SPECIES	Cruised Net (MBF)	Net Sale (MBF)
Douglas-fir	2244	2199
Western hemlock	0	0
Sitka Spruce	0	0
Bigleaf Maple		
Red Alder	102	98
TOTAL	2346	2297



Legend

Corners

Cable Landing

☐ Tractor Landing

---- Cable Logging

Ground Based

· · · · Recreation Trail

Surfaced Road

= = Unsurfaced Road

××× Blocked Road vvv Abandoned Road

Non-Project Construction

Type-F Stream

— Type-N Stream

Sections Sections

— 200' Contour

---- 40' Contour

Riparian Boundary

Timber Sale Boundary

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2023-W00957-01 GROOM CREEK PORTIONS OF SECTIONS 17, 18, 19, & 20, T2S, R7W, W.M. TILLAMOOK COUNTY, OREGON

> Tillamook District GIS December, 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 0 1,000 2,000 Feet



NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	45	30	75
TOTAL	45	30	75