



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Wooden Corners
Sale TL-341-2022-W00851-01

District: Tillamook

Date: April 14, 2022

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$2,287,935.51	\$20,517.63	\$2,308,453.14
		Project Work:	(\$187,640.00)
		Advertised Value:	\$2,120,813.14



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District: Tillamook

Date: April 14, 2022

Timber Description

Location: Sections 14, 15, 16, T3S, R8W, Tillamook County, W.M.

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	95
Western Hemlock / Fir	19	0	95
Alder (Red)	14	0	90

Volume by Grade	2S	3S & 4S 6"-11"	8" - 9"	10" - 11"	12"+	6" - 7"	Total
Douglas - Fir	774	2,123	0	0	0	0	2,897
Western Hemlock / Fir	1,591	744	0	0	0	0	2,335
Alder (Red)	0	0	42	25	58	162	287
Total	2,365	2,867	42	25	58	162	5,519

Comments:

Additional Costs – Wooden Corners

Pond Values Used: March 2022

Region: Astoria, Forest Grove, and Tillamook

Western red cedar and other cedars stumpage price = \$1,291/MBF - \$391.10/MBF = \$899.99/MBF

Sitka spruce stumpage price = \$605.00 – 391.10 = \$213.90 /MBF

Bigleaf Maple and other hardwoods stumpage price = \$400.00/MBF - \$391.10/MBF = \$8.90/MBF

Pulp (Conifer and Hardwood) Price = \$ 2.50/ Ton

FUEL COST ALLOWANCE = \$5.00/ Gallon

HAULING COST ALLOWANCE = \$1,200/DAY

(\$120.00/hr x 10 hr.= \$ 1,200.00)

Other costs with profit and risk added:

BRAND AND PAINT ALLOWANCE = \$2.00/ MBF

5519 MBF x \$2.00/MBF = \$11,038.00

Pipe Removal (K to L, M to N, Grass seed and mulching included): 4 Pipes x \$150/pipe = \$600.00

Heliport Construction: \$500/unit x 4 unit = \$2,000

Move-in Machine Cleaning: \$1,000/machine x 2 machines x 2 seasons = \$4,000

TOTAL Other costs with profit and risk to be added = \$17,638

Other Costs without Profit and Risk Added:

Unit 1:

Non-Project Road 1: 1+45 St. x \$150/St. = \$218.00

Non-Project Road 2: 14+00 St. x \$175/St. = \$2,450.00

Non-Project Road 3: 5+00 St. x \$175/St. = \$875.00

Non-Project Road 4: 8+60 St. x \$175/St. = \$1,505.00

Non-Project Road 5: 5+70 St. x \$175/St. = \$998.00

Non-Project Road 6: 15+00 St. x \$150/St. = \$2,250.00

Unit 3:

Non-Project Road 9: 2+75 St. x \$150/St. = \$413

Unit 4:

Non-Project Road 7: 2+50 St. x 150/St. = \$375.00

Unit 5:

Non-Project Road 8 (Greenwood Spur – Agreement #314.291461):

-Administration Fee: \$500.00

-Log Hauling Fee: \$17.94

-Reprod Damages: \$247.93

-Total Fees to be paid: \$765.87

Non-Project Road Ripping: 49+20 St. x \$75/St. = \$3,690.00

Non-Project and Unsurfaced Road Blocking: 18 Closures @ \$50/Closure = \$900

Slash piling and sorting (Cable Settings): \$5/ac x 77 ac. = \$385

Large wood placement, Detrick Creek: Three sites x 4 logs/site = 12 logs x \$333.33/log = \$4,000

Ditch Cleaning and Bank Sluff Removal:

Mobilization: two times – dump truck w/ tilt bed & small excavator: \$900 x 2 = \$1,800

Small excavator (Cat 312 or equivalent): 40 hours @ \$135/ hour = \$5,400

Dump truck: 40 hours @ \$90/ hour = \$3,600

TOTAL Other Costs without Profit and Risk added = \$29,624.87

ROAD MAINTENANCE:

USFS Road Maintenance – County Road 864 & USFS 8377

20CY/MMBF/Mile x 5.519 MMBF x \$15CY x 2.51 mile/5,519 = \$0.75/MBF

2.51 mile prehaul processing x \$1,500 = \$3,765/5,519 = \$0.68/MBF

2.51 mile brushing x \$1,000 = \$2,510/5,519 = \$0.45/MBF

2.51 mile final grade and shape x \$1,500 = \$3,765/5,519MBF = \$0.68/MBF

BLM Maintenance Fees

Segment A (see Agreement) = \$5,348.03

Segment B (see Agreement) = \$152.42

Total = \$5,500.45 / 5,519MBF = \$0.99/MBF

ODF Road Maintenance

Spot Rocking: 20cy/MMBF/mile x 5.519MMBF x \$15/cy x 1.25 miles /5,519 MBF = \$0.38/MBF

Interim Grading: \$1,150/mile x 1.25 miles x 2 times/ 5,519 MBF = \$0.52/MBF

Final Maintenance Grading: \$1,500/mile x 1.25 miles/ 5,519 MBF = \$0.34/MBF

Total Road Maintenance: = \$4.79/MBF



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Logging Conditions

Combination#: 1

Douglas - Fir	45.09%
Western Hemlock / Fir	51.82%
Alder (Red)	59.96%

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

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

tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF

loads / day: 6 **bd. ft / load:** 3800

cost / mbf: \$248.31

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

Combination#: 2

Douglas - Fir	54.91%
Western Hemlock / Fir	48.18%
Alder (Red)	40.04%

Logging System: Shovel **Process:** Stroke Delimber

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

tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF

loads / day: 7 **bd. ft / load:** 3800

cost / mbf: \$119.25

machines: Stroke Delimber (B)



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Wooden Corners
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District: Tillamook

Date: April 14, 2022

Logging Costs

Operating Seasons: 2.00	Profit Risk: 15%
Project Costs: \$187,640.00	Other Costs (P/R): \$17,638.00
Slash Disposal: \$0.00	Other Costs: \$29,624.87

Miles of Road

Road Maintenance: \$4.79

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	4.3
Western Hemlock / Fir	\$0.00	2.0	4.3
Alder (Red)	\$0.00	1.0	4.5



"STEWARDSHIP IN FORESTRY"

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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									
\$177.44	\$5.03	\$1.59	\$146.51	\$3.20	\$50.07	\$0.00	\$2.00	\$5.37	\$391.21
Western Hemlock / Fir									
\$186.13	\$5.03	\$1.59	\$146.51	\$3.20	\$51.37	\$0.00	\$2.00	\$5.37	\$401.20
Alder (Red)									
\$196.63	\$5.27	\$1.59	\$293.34	\$3.20	\$75.00	\$0.00	\$2.00	\$5.37	\$582.40

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$938.04	\$546.83	\$0.00
Western Hemlock / Fir	\$0.00	\$702.60	\$301.40	\$0.00
Alder (Red)	\$0.00	\$653.89	\$71.49	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	2,897	\$546.83	\$1,584,166.51
Western Hemlock / Fir	2,335	\$301.40	\$703,769.00
Alder (Red)	287	\$71.49	\$20,517.63

Gross Timber Sale Value

Recovery: \$2,308,453.14

Prepared By: Harold Stevens

Phone: 503-815-7044



"STEWARDSHIP IN FORESTRY"

PROJECT SUMMARY SHEET

Sale: Wooden Corners

CONSTRUCTION

Point	A to B	2+85	stations =	\$1,992.21
Point	C to D	8+10	stations =	\$11,844.23
Point	I to J	3+50	stations =	\$2,613.95
Point	K to L	9+70	stations =	\$7,014.70
Point	M to N	2+30	stations =	\$1,161.16
Point	O to P	9+25	stations =	\$4,819.83
Point	Q to R	11+45	stations =	\$5,666.63
Point	U to V	9+40	stations =	\$4,870.30
Point	W to X	2+00	stations =	\$945.00
Point	Y to Z	6+45	stations =	\$3,630.33
SUBTOTAL CONSTRUCTION				\$44,558.34

IMPROVEMENT

Point	E to F	153+25	stations =	\$33,634.38
Point	G to H	14+05	stations =	\$3,547.38
Point	K to L	12+80	stations =	\$6,197.31
Point	M to N	2+55	stations =	\$805.42
SUBTOTAL IMPROVEMENT				\$44,184.49

RECONSTRUCTION

Point	A to B	43+50	stations =	\$25,605.87
Point	C to D	18+40	stations =	\$24,866.82
Point	K to L	12+10	stations =	\$7,126.14
Point	M to N	12+75	stations =	\$5,110.87
Point	S to T	20+30	stations =	\$7,740.45
SUBTOTAL RECONSTRUCTION				\$70,450.15

SPECIAL PROJECTS

Points AA and BB				4,599.70
Install Gate				\$570.00
Stream Enhancement - Project No. 3				\$4,000.00
Brush	11.1	miles of road		\$14,210.00
SUBTOTAL SPECIAL PROJECTS				\$23,379.70

MOVE IN

\$5,067.32

GRAND TOTAL

\$187,640.00

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

A to B

Construction -	2+85	stations	Improvement -	0+00	stations	Reconstruction -	43+50	stations
	0.05	miles		0.00	miles		0.82	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station	=	
43+50		46+35	35%	0.0	Outslope	\$239		\$681.15
								TOTAL
								\$681.15

RECONSTRUCTION: CLEARING AND GRUBBING -

Scattering	2.000	acres @	\$1,275.00	per acre =	\$2,550.00			\$2,550.00
								TOTAL CLEARING AND GRUBBING
								\$2,550.00

RECONSTRUCTION: EXCAVATION -

Road Earthwork	43.50	sta. @	\$70.00	per sta. =	\$3,045.00			\$3,045.00
								TOTAL EXCAVATION
								\$3,045.00

CULVERTS - MATERIALS & INSTALLATION

<u>Culverts</u>								
	40	LF of 18"	\$800.00					
			\$800.00					
<u>Half Rounds</u>								
	20	LF of 24"	\$620.00					
			\$620.00					
<u>Culvert Stakes & Markers</u>								
	6	stakes	\$48.00					
	1	markers	\$8.00					
								TOTAL CULVERTS
								\$1,476.00

ROCK

0+00 to	13+55		480	cy. of	Crushed	@	\$34.40	per c.y. =	\$16,512.00
Culvert Bedding/Backfill	0+00		20	cy. of	Crushed	@	\$37.01	per c.y. =	\$740.20
Junction Rock	0+00		10	cy. of	Crushed	@	\$37.01	per c.y. =	\$370.10
								TOTAL ROCK	
								\$17,622.30	

SPECIAL PROJECTS

Re-shape dented culvert inlet -	1.00	hours @	\$30.00	per hour	\$30.00			
Construct Turnaround at Point B -	1.00	hours @	\$180.00	per hour	\$180.00			
Grade and shape road -	46.35	stations @	\$22.00	per station	\$1,019.70			
Roll subgrade w/ vibratory roller prior to rocking -	46.35	stations @	\$17.50	per station	\$811.13			
Remove large stumps -	1.00	lump sum @	\$180.00		\$180.00			
Grass seed and fertilize -	0.01	acres @	\$280.00	per acre	\$2.80			
								TOTAL SPECIAL PROJECTS
								\$2,223.63

GRAND TOTAL **\$27,598.08**

SUMMARY OF CONSTRUCTION COST

Sale: **Wooden Corners**

Road: **C to D**

Construction -	8+10	stations	Improvement -	0+00	stations	Reconstruction -	18+40	stations
	0.15	miles		0.00	miles		0.35	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
18+40		26+50	35%	0.0	Outslope	\$239	=	\$1,935.90	
								TOTAL	\$1,935.90

RECONSTRUCTION: CLEARING AND GRUBBING -
Scattering

0.840	acres @	\$1,275.00	per acre =	\$1,071.00	
				TOTAL CLEARING AND GRUBBING	\$1,071.00

RECONSTRUCTION: EXCAVATION -
Road Earthwork

18.40	sta. @	\$70.00	per sta. =	\$1,288.00	
				TOTAL EXCAVATION	\$1,288.00

CULVERTS - MATERIALS & INSTALLATION

Culverts

60	LF of 30"	\$2,460.00	40	LF of 24"	\$1,240.00
		<u>\$2,460.00</u>			\$1,240.00

Culvert Stakes & Markers

2	markers	\$16.00
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TOTAL CULVERTS \$3,716.00

ROCK

0+00	to	18+40	660	cy. of	Crushed	@	\$34.51	per c.y.=	\$22,776.60
Culvert Bedding/Backfill		8+10, 14+75	50	cy. of	Crushed	@	\$37.12	per c.y.=	\$1,856.00
Fill Armor		7+25	15	cy. of	Riprap	@	\$35.63	per c.y.=	\$534.45
Energy Dissipator		3 Locations	15	cy. of	Riprap	@	\$35.63	per c.y.=	\$534.45
Backfill		14+75	40	cy. of	Pit-Run	@	\$31.58	per c.y.=	\$1,263.20
								TOTAL ROCK	\$26,964.70

SPECIAL PROJECTS

Grade and shape road -	26.50	stations @	\$22.00	per station	\$583.00	
Fill Stabilization and Dissipator Rock Placement -	2.00	hours @	\$165.00	per hour	\$330.00	
Roll subgrade w/ vibratory roller prior to rocking -	26.50	stations @	\$17.50	per station	\$463.75	
Remove culverts from state lands	1.00	@	\$242.90	total	\$242.90	
Grass seed and fertilize -	0.33	acres @	\$280.00	per acre	\$92.40	
Mulching -	0.030	acres @	\$780.00	per acre	\$23.40	
					TOTAL SPECIAL PROJECTS	\$1,735.45

GRAND TOTAL \$36,711.05

SUMMARY OF CONSTRUCTION COST

Sale:	<u>Wooden Corners</u>		Road:	<u>E to F</u>	
Construction -	0+00	stations	Improvement -	153+25	stations
	0.00	miles		2.90	miles
			Reconstruction -	0+00	stations
				0.00	miles
IMPROVEMENT: EXCAVATION -					
Road Earthwork			153.25	sta. @	\$10.00
					per sta. = \$1,532.50
					TOTAL EXCAVATION
					\$1,532.50
CULVERTS - MATERIALS & INSTALLATION					
<u>Culverts</u>					
	70	LF of 18"	\$1,400.00		
			\$1,400.00		
<u>Half Rounds</u>					
	20	LF of 30"	\$820.00		
			\$820.00		
<u>Culvert Stakes & Markers</u>					
	6	stakes	\$48.00		
	14	markers	\$112.00		
					TOTAL CULVERTS
					\$3,310.00
ROCK					
Culvert Bedding/Backfill	3 Locations		60	cy. of	Crushed
Spot Rock	0+00 to 153+25		450	cy. of	Crushed
*As Directed By STATE on East Creek			40	cy. of	Crushed
					@ \$37.86 per c.y.= \$2,271.60
					@ \$37.86 per c.y.= \$17,037.00
					@ \$36.88 per c.y.= \$1,475.20
					TOTAL ROCK
					\$20,783.80
SPECIAL PROJECTS					
Ditch and Bank Debris Removal -			10.00	hours @	\$140.00
Dig Catch Basin and Reestablish Ditch at Station 92+65 -			2.00	hours @	\$140.00
Grade and shape road -			153.25	stations @	\$22.00
Roll subgrade w/ vibratory roller prior to rocking -			153.25	stations @	\$17.50
Remove culverts from state lands			1.00	@	\$242.90
Grass seed and fertilize -			0.03	acres @	\$280.00
Mulching -			0.030	acres @	\$780.00
					total \$242.90
					per acre \$8.40
					per acre \$23.40
					TOTAL SPECIAL PROJECTS
					\$8,008.08
GRAND TOTAL					\$33,634.38

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

G to H

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>14+05</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.00	miles		0.27	miles		0.00	miles

IMPROVEMENT: EXCAVATION -

Road Earthwork	14.05	sta. @	\$10.00	per sta. =	\$140.50	
					TOTAL EXCAVATION	\$140.50

ROCK

Junction Rock	0+00		20	cy. of	Crushed	@	\$38.17	per c.y.=	\$763.40	
Spot Rock	0+00 to 14+05		50	cy. of	Crushed	@	\$38.17	per c.y.=	\$1,908.50	
									TOTAL ROCK	\$2,671.90

SPECIAL PROJECTS

Construct Landing at Point H -	1.00	hours @	\$180.00	per hour	\$180.00	
Grade and shape road -	14.05	stations @	\$22.00	per station	\$309.10	
Roll subgrade w/ vibratory roller prior to rocking -	14.05	stations @	\$17.50	per station	\$245.88	
					TOTAL SPECIAL PROJECTS	\$734.98

GRAND TOTAL **\$3,547.38**

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

I to J

Construction -	3+50	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.07	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	<u>Avg. Dist.</u> To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
0+00		3+50	35%	0.0	Outslope	\$239		\$836.50	
								TOTAL	\$836.50

ROCK									
0+00	to	1+00	40	cy. of	Crushed	@	\$35.43 per c.y.=	\$1,417.20	
								TOTAL ROCK	\$1,417.20

SPECIAL PROJECTS

Grade and shape road -	3.50	stations @	\$22.00	per station	\$77.00
Roll subgrade w/ vibratory roller prior to rocking -	3.50	stations @	\$17.50	per station	\$61.25
Remove large stumps -	1.00	lump sum @	\$180.00		\$180.00
Grass seed and fertilize -	0.15	acres @	\$280.00	per acre	\$42.00
					TOTAL SPECIAL PROJECTS
					\$360.25

GRAND TOTAL	\$2,613.95
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SUMMARY OF CONSTRUCTION COST

Sale: **Wooden Corners**

Road: **K to L**

Construction -	9+70	stations	Improvement -	12+80	stations	Reconstruction -	12+10	stations
	0.18	miles		0.24	miles		0.23	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
24+90		34+60	35%	0.0	Outslope	\$239	=	\$2,318.30	
								TOTAL	\$2,318.30

RECONSTRUCTION: CLEARING AND GRUBBING -
Scattering

0.330	acres @	\$1,275.00 per acre =		\$420.75
				TOTAL CLEARING AND GRUBBING
				\$420.75

RECONSTRUCTION: EXCAVATION -
Road Earthwork

12.10	sta. @	\$70.00 per sta. =		\$847.00
				TOTAL EXCAVATION
				\$847.00

CULVERTS - MATERIALS & INSTALLATION

<u>Culverts</u>		60	LF of 24"	\$1,860.00
<u>Culvert Stakes & Markers</u>				
2 markers		\$16.00		
				TOTAL CULVERTS
				\$1,876.00

ROCK

19+60 to	26+40	240	cy. of	Crushed	@	\$35.69 per c.y.=	\$8,565.60
Spot Rock	12+80 to 34+60	60	cy. of	Crushed	@	\$35.69 per c.y.=	\$2,141.40
Junction Rock	0+00	20	cy. of	Crushed	@	\$38.30 per c.y.=	\$766.00
Spot Rock	0+00 to 12+80	50	cy. of	Crushed	@	\$38.30 per c.y.=	\$1,915.00
							TOTAL ROCK
							\$13,388.00

SPECIAL PROJECTS

Grade and shape road -	34.60	stations @	\$22.00	per station	\$761.20
Roll subgrade w/ vibratory roller prior to rocking -	34.60	stations @	\$17.50	per station	\$605.50
Grass seed and fertilize -	0.35	acres @	\$280.00	per acre	\$98.00
Mulching -	0.030	acres @	\$780.00	per acre	\$23.40
					TOTAL SPECIAL PROJECTS
					\$1,488.10

GRAND TOTAL **\$20,338.15**

SUMMARY OF CONSTRUCTION COST

Sale: **Wooden Corners**

Road: **M to N**

Construction -	2+30	stations	Improvement -	2+55	stations	Reconstruction -	12+75	stations
	0.04	miles		0.05	miles		0.24	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
15+30		17+60	35%	0.0	Outslope	\$239	=	\$549.70	
								TOTAL	\$549.70

IMPROVEMENT: EXCAVATION -
Road Earthwork

	2.55	sta. @	\$50.00	per sta. =	\$127.50		
						TOTAL EXCAVATION	\$127.50

RECONSTRUCTION: CLEARING AND GRUBBING -
Scattering

	0.350	acres @	\$1,275.00	per acre =	\$446.25		
						TOTAL CLEARING AND GRUBBING	\$446.25

RECONSTRUCTION: EXCAVATION -
Road Earthwork

	12.75	sta. @	\$100.00	per sta. =	\$1,275.00		
						TOTAL EXCAVATION	\$1,275.00

CULVERTS - MATERIALS & INSTALLATION

	60	LF of 24"	\$1,860.00			
<u>Culvert Stakes & Markers</u> 2 markers	\$16.00					
					TOTAL CULVERTS	\$1,876.00

ROCK

Spot Rock	0+00 to 17+50	60	cy. of	Crushed	@	\$34.17	per c.y. =	\$2,050.20	
								TOTAL ROCK	\$2,050.20

SPECIAL PROJECTS

Grade and shape road -	17.60	stations @	\$22.00	per station	\$387.20		
Roll subgrade w/ vibratory roller prior to rocking -	17.60	stations @	\$17.50	per station	\$308.00		
Grass seed and fertilize -	0.15	acres @	\$280.00	per acre	\$42.00		
Mulching -	0.020	acres @	\$780.00	per acre	\$15.60		
						TOTAL SPECIAL PROJECTS	\$752.80

GRAND TOTAL **\$7,077.45**

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

O to P

<u>Construction -</u>	9+25	stations	<u>Improvement -</u>	0+00	stations	<u>Reconstruction -</u>	0+00	stations
	0.18	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Avg. Sideslope</u>	<u>Avg. Dist.</u> <u>To W.A. (mi.)</u>	<u>Outslope/Ditch</u>	<u>Cost per Station</u>	=		
0+00		2+45	45%	0.0	Outslope	\$336	=	\$823.20	
2+45		8+00	35%	0	Outslope	\$239	=	\$1,326.45	
8+00		9+25	45%	0	Outslope	\$336	=	\$420.00	
								TOTAL	\$2,569.65

ROCK									
0+00	to	1+00	40	cy. of	Crushed	@	\$35.67 per c.y.=	\$1,426.80	
								TOTAL ROCK	\$1,426.80

SPECIAL PROJECTS

Grade and shape road -	9.25	stations @	\$22.00	per station	\$203.50	
Roll subgrade w/ vibratory roller prior to rocking -	9.25	stations @	\$17.50	per station	\$161.88	
Remove large stumps -	1.00	lump sum @	\$360.00		\$360.00	
Grass seed and fertilize -	0.35	acres @	\$280.00	per acre	\$98.00	
					TOTAL SPECIAL PROJECTS	\$823.38

GRAND TOTAL **\$4,819.83**

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

Q to R

Construction -	11+45	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.22	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
0+00		11+45	35%	0.0	Outslope	\$239	=	\$2,736.55	
								TOTAL	\$2,736.55

ROCK

0+00	to	1+00	40	cy. of	Crushed	@	\$35.56	per c.y.=	\$1,422.40
Junction Rock		0+00	20	cy. of	Crushed	@	\$38.17	per c.y.=	\$763.40
								TOTAL ROCK	\$2,185.80

SPECIAL PROJECTS

Construct Landing at Point R -	1.00	hours @	\$180.00	per hour	\$180.00	
Grade and shape road -	11.45	stations @	\$22.00	per station	\$251.90	
Roll subgrade w/ vibratory roller prior to rocking -	11.45	stations @	\$17.50	per station	\$200.38	
Grass seed and fertilize -	0.40	acres @	\$280.00	per acre	\$112.00	
					TOTAL SPECIAL PROJECTS	\$744.28

GRAND TOTAL	\$5,666.63
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SUMMARY OF CONSTRUCTION COST

Sale: **Wooden Corners**

Road: **S to T**

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>0+00</u>	stations	<u>Reconstruction -</u>	<u>20+30</u>	stations
	0.00	miles		0.00	miles		0.38	miles

RECONSTRUCTION: CLEARING AND GRUBBING -

Scattering	0.560	acres @	\$1,275.00	per acre =	\$714.00	
					TOTAL CLEARING AND GRUBBING	\$714.00

RECONSTRUCTION: EXCAVATION -

Road Earthwork	20.30	sta. @	\$70.00	per sta. =	\$1,421.00	
					TOTAL EXCAVATION	\$1,421.00

ROCK

Junction Rock	0+00		20	cy. of	Crushed	@	\$38.53	per c.y. =	\$770.60
Spot Rock	0+00 to 20+30		100	cy. of	Crushed	@	\$38.53	per c.y. =	\$3,853.00
									TOTAL ROCK
									\$4,623.60

SPECIAL PROJECTS

Construct Landing at Station 17+40 -	1.00	hours @	\$180.00	per hour	\$180.00	
Grade and shape road -	20.30	stations @	\$22.00	per station	\$446.60	
Roll subgrade w/ vibratory roller prior to rocking -	20.30	stations @	\$17.50	per station	\$355.25	
					TOTAL SPECIAL PROJECTS	\$981.85

GRAND TOTAL	\$7,740.45
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SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

U to V

Construction -	9+40	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.18	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

Station	to	Station	Avg. Sideslope	<u>Avg. Dist.</u> To W.A. (mi.)	Outslope/Ditch	Cost per Station	=		
0+00		9+40	35%	0.0	Outslope	\$239	=	\$2,246.60	
								TOTAL	\$2,246.60

ROCK									
0+00	to	1+00	40	cy. of	Crushed	@	\$35.86 per c.y.=	\$1,434.40	
								TOTAL ROCK	\$1,434.40

SPECIAL PROJECTS

Construct Landing at Point V -	1.00	hours @	\$180.00	per hour	\$180.00	
Grade and shape road -	9.40	stations @	\$22.00	per station	\$206.80	
Roll subgrade w/ vibratory roller prior to rocking -	9.40	stations @	\$17.50	per station	\$164.50	
Remove large stumps -	1.00	lump sum @	\$540.00		\$540.00	
Grass seed and fertilize -	0.35	acres @	\$280.00	per acre	\$98.00	
					TOTAL SPECIAL PROJECTS	\$1,189.30

GRAND TOTAL	\$4,870.30
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SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

W to X

<u>Construction -</u>	<u>2+00</u>	stations	<u>Improvement -</u>	<u>0+00</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.04	miles		0.00	miles		0.00	miles

CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Avg. Sideslope</u>	<u>Avg. Dist.</u> <u>To W.A. (mi.)</u>	<u>Outslope/Ditch</u>	<u>Cost per Station</u>	=	\$478.00	
0+00		2+00	35%	0.0	Outslope	\$239			
								TOTAL	\$478.00

SPECIAL PROJECTS

Construct Landing at Point X -	1.00	hours @	\$180.00	per hour	\$180.00			
Construct Turnaround at Point W -	1.00	hours @	\$180.00	each	\$180.00			
Grade and shape road -	2.00	stations @	\$22.00	per station	\$44.00			
Roll subgrade w/ vibratory roller prior to rocking -	2.00	stations @	\$17.50	per station	\$35.00			
Grass seed and fertilize -	0.10	acres @	\$280.00	per acre	\$28.00			
					TOTAL SPECIAL PROJECTS			
					\$467.00			
GRAND TOTAL								\$945.00

SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Road:

Y to Z

Construction - $\frac{6+45}{0.12}$ stations miles	Improvement - $\frac{0+00}{0.00}$ stations miles	Reconstruction - $\frac{0+00}{0.00}$ stations miles
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CONSTRUCTION: CLEARING, GRUBBING, SCATTERING, EXCAVATION, COMPACTION, LOADING, END-HAULING AND SPREADING/COMPACTING AT WASTE AREA -

<u>Station</u>	<u>to</u>	<u>Station</u>	<u>Avg. Sideslope</u>	<u>Avg. Dist.</u> <u>To W.A. (mi.)</u>	<u>Outslope/Ditch</u>	<u>Cost per Station</u>	=		
0+00		6+45	35%	0.0	Outslope	\$239			
								\$1,541.55	
								TOTAL	\$1,541.55

ROCK

0+00	to	1+00	40	cy. of	Crushed	@	\$35.80 per c.y.=	\$1,432.00	
								TOTAL ROCK	\$1,432.00

SPECIAL PROJECTS

Grade and shape road -	6.45	stations @	\$22.00	per station	\$141.90	
Roll subgrade w/ vibratory roller prior to rocking -	6.45	stations @	\$17.50	per station	\$112.88	
Remove large stumps -	1.00	lump sum @	\$360.00		\$360.00	
Grass seed and fertilize -	0.15	acres @	\$280.00	per acre	\$42.00	
					TOTAL SPECIAL PROJECTS	\$656.78

GRAND TOTAL	\$3,630.33
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SUMMARY OF CONSTRUCTION COST

Sale:

Wooden Corners

Points:

AA and BB

CULVERTS - MATERIALS & INSTALLATION

Culverts

90 LF of 24" \$2,790.00

Culvert Stakes & Markers

2 markers \$16.00

TOTAL CULVERTS \$2,806.00

ROCK

Culvert Backfill

AA & BB

40 cy. of

Crushed

@

\$36.65 per c.y.=

\$1,466.00

TOTAL ROCK \$1,466.00

SPECIAL PROJECTS

Remove culverts from state lands

0.00

@

\$306.50

total

\$306.50

Grass seed and fertilize -

0.02

acres @

\$280.00

per acre

\$5.60

Mulching -

0.020

acres @

\$780.00

per acre

\$15.60

TOTAL SPECIAL PROJECTS \$327.70

GRAND TOTAL

\$4,599.70

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Purchased Rock	
Sale:	Wooden Corners	Road: 2720 c.y.
Swell:	1.40	Stockpile: c.y.
Shrinkage:	1.16	Total Truck Loads: 2720 c.y.
Drill Pct.:	0%	In Place Total: 1943 c.y.

1 1/2"-0"	\$17.19	
3"-0"	\$14.58	
Pit-Run	\$11.65	
Riprap	\$15.70	Per Cu.Yd.
		TOTAL PRODUCTION COSTS \$0.00

Road Segment	Haul Cost \$/cu.yd.	Proc Cost \$/cu.yd.	Base Cost. \$/cu.yd.	Cost \$/cu.yd.	Number Cu. Yds	ROCK COST		
A to B 0 1355 (Crushed)	16.62	3.20	14.58	34.40	480	\$16,512.00		
A to B Culvert Bedding/Backfill (Crushed)	16.62	3.20	17.19	37.01	20	\$740.20		
A to B Junction Rock (Crushed)	16.62	3.20	17.19	37.01	10	\$370.10		
C to D 0 1840 (Crushed)	16.73	3.20	14.58	34.51	660	\$22,776.60		
C to D Culvert Bedding/Backfill (Crushed)	16.73	3.20	17.19	37.12	50	\$1,856.00		
C to D Fill Armor (Riprap)	16.73	3.20	15.70	35.63	15	\$534.45		
C to D Energy Dissipator (Riprap)	16.73	3.20	15.70	35.63	15	\$534.45		
C to D Backfill (Pit-Run)	16.73	3.20	11.65	31.58	40	\$1,263.20		
E to F Culvert Bedding/Backfill (Crushed)	17.47	3.20	17.19	37.86	60	\$2,271.60		
E to F Spot Rock (Crushed)	17.47	3.20	17.19	37.86	450	\$17,037.00		
E to F *As Directed By STATE on East Creek	16.49	3.20	17.19	36.88	40	\$1,475.20		
G to H Junction Rock (Crushed)	17.78	3.20	17.19	38.17	20	\$763.40		
G to H Spot Rock (Crushed)	17.78	3.20	17.19	38.17	50	\$1,908.50		
I to J 0 100 (Crushed)	17.65	3.20	14.58	35.43	40	\$1,417.20		
K to L 1960 2640 (Crushed)	17.91	3.20	14.58	35.69	240	\$8,565.60		
K to L Spot Rock (Crushed)	17.91	3.20	14.58	35.69	60	\$2,141.40		
K to L Junction Rock (Crushed)	17.91	3.20	17.19	38.30	20	\$766.00		
K to L Spot Rock (Crushed)	17.91	3.20	17.19	38.30	50	\$1,915.00		
M to N Spot Rock (Crushed)	16.39	3.20	14.58	34.17	60	\$2,050.20		
O to P 0 100 (Crushed)	17.89	3.20	14.58	35.67	40	\$1,426.80		
Q to R 0 100 (Crushed)	17.78	3.20	14.58	35.56	40	\$1,422.40		
Q to R Junction Rock (Crushed)	17.78	3.20	17.19	38.17	20	\$763.40		
S to T Junction Rock (Crushed)	18.14	3.20	17.19	38.53	20	\$770.60		
S to T Spot Rock (Crushed)	18.14	3.20	17.19	38.53	100	\$3,853.00		
U to V 0 100 (Crushed)	18.08	3.20	14.58	35.86	40	\$1,434.40		
Y to Z 0 100 (Crushed)	18.02	3.20	14.58	35.80	40	\$1,432.00		
AA and BB Culvert Backfill (Crushed)	16.26	3.20	17.19	36.65	40	\$1,466.00		
					Total C.Y.	2720	Sub Total	\$97,466.70

TOTAL ROCKING COSTS	\$97,466.70
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Move-In Calculations for Project Work not Involving Rocking/Pit Work

Sale: **Wooden Corners**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
43.2	Pavement	30
3.2	Main Lines	7
1.0	Steep Grades	2

No.	EQUIPMENT DESCRIPTION	Move in Cost	Pilot Cars	Within Area Move (\$/mile)	Begin Mileage	End Mileage	Total Miles	Within Area Cost	Total Cost
1	Graders	\$554.64		\$3.65	0.00	3.15	3.15	\$11.50	\$566.14
1	Excavators (Med.)	\$620.49		\$35.50	0.00	3.15	3.15	\$111.83	\$732.32
1	Excavators (Large)	\$735.64	1	\$44.80	0.00	3.15	3.15	\$141.12	\$876.76
1	Tractors (D6)	\$769.32	2	\$7.10	0.00	3.15	3.15	\$22.37	\$791.69
1	Tractor (D8)	\$822.04	2	\$15.10	0.00	3.15	3.15	\$47.57	\$869.61
2	Dump Truck (10 cy +)	\$350.51		\$2.85	0.00	0.00	0	\$0.00	\$350.51
1	Dump Truck (Off Hiway)	\$706.89	1	\$4.75	0.00	0.00	0	\$0.00	\$706.89
1	Water Truck (1500 Gal)	\$173.40		\$2.85	0.00	0.00	0	\$0.00	\$173.40
TOTAL MOVE-IN COSTS:								\$5,067.32	



OREGON DEPARTMENT OF FORESTRY
 CRUISE REPORT
Wooden Corners

1. Type of Sale

Regeneration harvest, Recovery

2. Legal Description

Section(s) 14, 15, 16, of T3S R8W, Tillamook County, W.M.

3. Sale Acreage

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

	<u>ACRES</u>	
	<u>Gross</u>	<u>Net</u>
Unit 1 (Modified Clearcut)	91	76
Unit 2 (Modified Clearcut)	45	36
Unit 3 (Modified Clearcut)	44	35
Unit 4 (Modified Clearcut)	53	40
Unit 5 (Modified Clearcut)	16	11
Unit 6 (Road Construction R/W)	2	2

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 units 1-5 were cruised using variable plot sampling. Unit 6 was 100% cruised measuring 206 sample trees and recording DBH on the remaining trees. All units were cruised by ODF Staff from November 2021 to April 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	297 x 297
2	33.61	330 x 330
3a	33.61	297 x 297

3b	33.61	165 x 165
3c	40.00	165 x 165
4	40.00	297 x 297
5	40.00	165 x 165
6	100% Cruise	--

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.

Unit	Cruise Statistics (Board Foot Volumes)			
	Acres	Number of Plots	SE (%)	CV (%)
1	76	31	7.6	42.3
2	36	18	10.8	44.7
3a	24	8	10.2	27.7
3b	7	7	17.1	42.1
3c	4	4	9.1	16.0
4	40	16	6.5	25.0
5	11	13	9.8	33.9
6	2	100% cruise	4.5	64.8
Project Total	199	97	6.1	59.7

6. Hidden Defect and Breakage

A 1% reduction for conifers and a 2% reduction for hardwood volumes were applied for hidden defect and breakage.

7. Timber Description

Units 1-5 are prescribed modified clearcuts. Unit 1 is a Douglas-fir dominated stand with elements of red alder and western hemlock; few noble fir were observed at the southern boundary. Unit 2 is comprised of Douglas-fir and western hemlock with minor elements of red

alder and was thinned with ODF's Forest Timber Sale in 2006. Unit 3 is Douglas-fir with small amounts of western hemlock and an element of red alder; the unit has three variable timber types represented in this report as 3a, 3b, and 3c. Unit 4 is dominated by western hemlock with a good showing of Douglas-fir and minor elements of red alder; this unit was thinned with ODF's Forest Timber Sale in 2006. Unit 5 composition is identical to Unit 4 but does not appear to have received thinning treatment. Unit 6, R/W timber, is similar to the timber description for Unit 1.

Douglas-fir in Units 1 and 3 are impacted by Swiss Needle Cast (SNC). Douglas-fir in other sale units is not impacted by SNC as severely.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)	Merchantable top (inches inside bark)
1	42	Douglas-fir	12.6	43	5
		red alder	12.7	40	6
		western hemlock	20.0	93	5
2	65	western hemlock	20.0	82	5
		Douglas-fir	17.0	84	5
		red alder	15.2	45	6
3a	45	Douglas-fir	14	60	5
		western hemlock	14.9	69	5
		red alder	13	48	6
3b	32	Douglas-fir	10.1	26	5
		red alder	11.5	43	6
3c	60	western hemlock	26.7	94	5
		Douglas-fir	25.0	96	5
4	68	western hemlock	18.4	70	5
		Douglas-fir	18.0	80	5
		red alder	16.3	54	6
		western hemlock	18.4	73	5
5	58	Douglas-fir	17.8	76	5
		Douglas-fir	13.2	50	5
6	42	Douglas-fir	13.2	50	5
		red alder	12.7	44	6

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

8. Cruiser /Dates

ODF Staff Cruised all units November 2021-April 2022.

9. Revenue Distribution

BOF – 39%, CSL – 61%

Tax Code: 800 – 100%

Deed Numbers: 447

10. Attachments

Unit 3 Cruise map

Volume Summary Table (6)

Stand Table (6)

Log Stock Tables (6)

Species, Sort, Grade Table (6)

Logging Plan (2)

11. Stand and Log Stock Tables Species Key

DF – Douglas-fir take

WH – western hemlock take

RA – red alder take

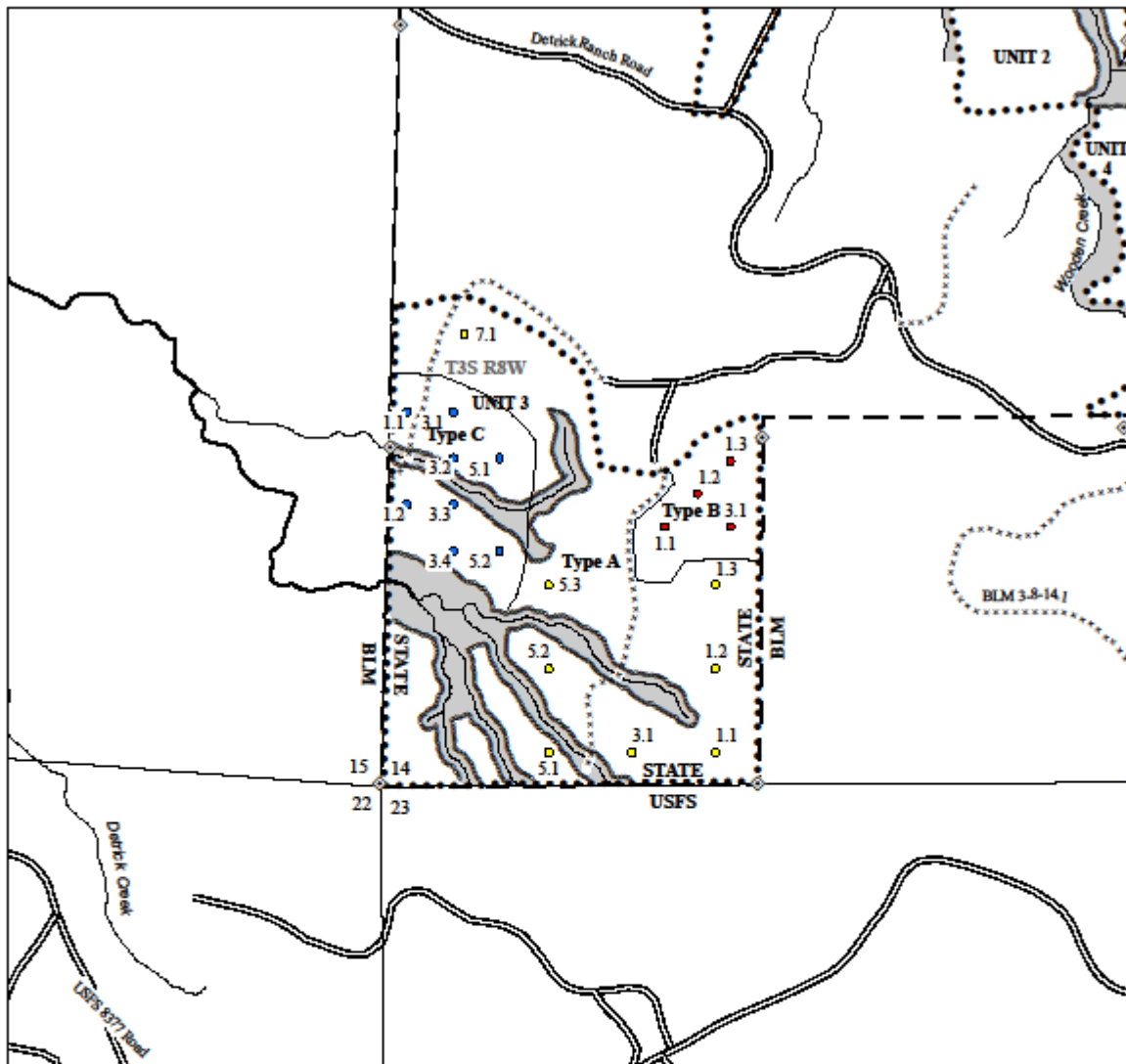


EXHIBIT A-UNIT 3 CRUISE MAP

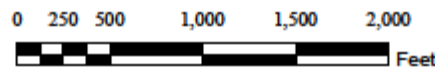
FOR TIMBER SALE CONTRACT
 TL-341-2022-W00851-01
 WOODEN CORNERS
 PORTIONS OF SECTIONS 14, 15, 16, T3S, R8W
 TILLAMOOK COUNTY, OREGON

Tillamook District GIS
 April, 2022

This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

1:6,000

1 inch = 500 feet



APPROXIMATE ACRES

	GROSS	NET
UNIT 1 (MC)	91	76
UNIT 2 (MC)	45	36
UNIT 3 (MC)	44	35
UNIT 4 (MC)	53	40
UNIT 5 (MC)	16	11
UNIT 6 (R/W)	2	2
TOTAL	251	200

Legend

- Type A Cruise Point
- Type B Cruise Point
- Type C Cruise Point
- ◇ Corners
- Timber Sale Boundary
- Area Boundary
- Riparian Boundary
- == Surfaced Road
- Blocked Road
- Type-F Stream
- Type-N Stream
- ▒ Riparian Buffer

T03S R08W S15 T0100										T03S R08W S15 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	15	UNIT1	0100	76.00	31	159	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre					
								Net	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/Lf	
													4-5	6-11	12-16	17+	12-20	21-30	31-35						36-99
DF	CO	2	5	2.6	903	880	67	100				100				40	13	223	1.49	3.9					
DF	CO	3	57	2.6	9,139	8,906	677	97 3				100				40	8	95	0.73	93.9					
DF	CO	4	38	.6	5,784	5,752	437	81	19					22	22	12	43	27	5	31	0.36	184.8			
DF	Totals		94	1.8	15,827	15,537	1,181	30	63	7					8	8	5	79	31	6	55	0.54	282.7		
RA	H	4	100	1.6	880	867	66	100				13 17 15 56				31	6	45	0.58	19.1					
RA	Totals		5	1.6	880	867	66	100				13 17 15 56				31	6	45	0.58	19.1					
WH	CO	2	72	142 142			11	100				100				40	13	240	1.55	.6					
WH	CO	4	28	53 53			4	100				100				40	8	90	0.64	.6					
WH	Totals		1	195 195			15	27 73				100				40	11	165	1.09	1.2					
Type Totals				1.8	16,902	16,599	1,262	28	64	8					8	9	5	78	31	6	55	0.54	303.0		

TC		TSTNDSUM		Stand Table Summary												
Project														WOODFINL		
T03S R08W S15 T0100										T03S R08W S15 T0100						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1							
03S	08W	15	UNIT1	0100	76.00	31	159	Date:	04/13/2021							
								Time:	12:46:16PM							
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DF		8	2	75	17	12.182	4.25	12.18	2.8	10.0	.99	35	122	75	26	9
DF		9	5	79	21	24.063	10.63	19.25	4.1	20.0	2.24	79	385	170	60	29
DF		10	5	80	41	19.491	10.63	19.49	7.5	28.0	4.18	146	546	318	111	41
DF		11	12	81	54	38.659	25.51	38.66	12.5	37.5	13.75	481	1,450	1,045	366	110
DF		12	9	81	60	24.363	19.13	27.07	14.6	43.0	11.28	396	1,164	858	301	88
DF		13	14	81	70	32.292	29.77	43.83	17.0	46.3	21.22	745	2,030	1,613	566	154
DF		14	10	82	81	21.169	22.63	35.09	19.3	66.9	19.28	676	2,347	1,465	514	178
DF		15	11	83	92	19.058	23.39	36.38	20.9	74.3	21.64	759	2,703	1,645	577	205
DF		16	6	84	94	9.136	12.76	18.27	22.8	80.8	11.88	417	1,477	903	317	112
DF		17	8	82	87	10.791	17.01	20.23	26.4	82.7	15.21	534	1,673	1,156	406	127
DF		18	2	85	102	2.406	4.25	4.81	32.4	120.0	4.45	156	578	338	119	44
DF		19	2	82	103	2.160	4.25	4.32	36.8	120.0	4.53	159	518	344	121	39
DF		20	1	86	105	.975	2.13	1.95	40.1	150.0	2.23	78	292	169	59	22
DF		26	1	82	105	.577	2.13	1.15	68.3	220.0	2.24	79	254	171	60	19
DF	Totals		88	81	61	217.320	188.47	282.69	16.8	55.0	135.12	4,739	15,537	10,269	3,602	1,181
RA		10	1	78	40	3.075	1.68	3.08	7.4	20.0	.63	23	62	48	17	5
RA		11	2	73	50	5.083	3.35	5.08	12.6	35.0	1.77	64	178	134	49	14
RA		12	2	81	72	4.272	3.35	4.27	17.9	55.0	2.10	76	235	160	58	18
RA		14	1	81	62	1.569	1.68	1.57	26.7	70.0	1.15	42	110	88	32	8
RA		15	2	80	53	2.734	3.35	2.73	27.0	55.0	2.03	74	150	155	56	11
RA		16	2	81	47	2.403	3.35	2.40	28.4	55.0	1.88	68	132	143	52	10
RA	Totals		10	78	54	19.136	16.77	19.14	18.2	45.3	9.56	348	867	726	264	66
WH		20	1	85	112	.591	1.29	1.18	43.7	165.0	1.66	52	195	126	39	15
WH	Totals		1	85	112	.591	1.29	1.18	43.7	165.0	1.66	52	195	126	39	15
Totals			99	81	60	237.047	206.53	303.01	17.0	54.8	146.33	5138	16,599	11,121	3,905	1,262

Log Stock Table - MBF
Project: WOODFINL

T03S R08W S15 T0100

T03S R08W S15 T0100

Twp Rge Sec Tract Type Acres Plots Sample Trees Page
03S 08W 15 UNIT1 0100 76.00 31 159 Date 4/13/2022
Time 12:46:15PM

Spp	T	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches										
										MBF	MBF	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23
DF		CO	2		40	69	2.6	67	5.7					51		16				
DF		CO	3		36	12		12	1.0				12							
DF		CO	3		40	682	2.6	664	56.3				179	306	162	18				
DF		CO	4		12	18		18	1.6			6	12							
DF		CO	4		16	31		31	2.6			24	7							
DF		CO	4		18	29		29	2.4			17	12							
DF		CO	4		20	18		18	1.5			18								
DF		CO	4		24	60		60	5.1			44	16							
DF		CO	4		26	11		11	1.0			11								
DF		CO	4		28	16		16	1.3			16								
DF		CO	4		30	11		11	1.0			11								
DF		CO	4		32	20		20	1.7			20								
DF		CO	4		34	33		33	2.8			33								
DF		CO	4		36	46		46	3.9			46								
DF		CO	4		38	41		41	3.5			41								
DF		CO	4		40	105	2.4	103	8.7			68		35						
DF		Totals				1,203	1.8	1,181	93.6			356	238	306	196	69		16		
RA		H	4		20	9		9	13.0			9								
RA		H	4		30	11		11	16.8			11								
RA		H	4		34	10		10	14.7			10								
RA		H	4		36	6	16.7	5	7.9			5								
RA		H	4		40	31		31	47.7			31								
RA		Totals				67	1.6	66	5.2			66								
WH		CO	2		40	11		11	72.7					11						
WH		CO	4		40	4		4	27.3			4								
WH		Totals				15		15	1.2			4		11						
Total All Species						1,285	1.8	1,262	100.0			356	304	310	196	80		16		

T03S R08W S14 T0100										T03S R08W S14 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT2	0100	36.00	18	119	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre					
								Net	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/Lf	
													4-5	6-11	12-16	17+	12-20	21-30	31-35						36-99
WH	CO	2	68	1.5	12,457	12,275	442		1	36	63		2	4	94	40	16	426	2.21	28.8					
WH	CO	3	25		4,637	4,637	167		82	18			1	1	98	40	10	143	0.88	32.4					
WH	CO	4	7		1,128	1,128	41	83	17			27	28		45	27	5	31	0.37	36.3					
WH	Totals		51	1.0	18,223	18,040	649	5	23	29	43	2	4	3	92	35	10	185	1.18	97.6					
DF	CO	2	51		7,265	7,265	262			70	30				100	40	14	302	1.66	24.0					
DF	CO	3	42	.4	5,809	5,784	208		100						100	40	8	101	0.66	57.1					
DF	CO	4	7		961	961	35	98	2			6	26	18	51	31	5	33	0.34	28.9					
DF	Totals		39	.2	14,035	14,009	504	7	41	36	15	0	2	1	97	38	9	127	0.82	110.0					
RA	H	2	26	1.3	960	947	34			100				47	53	33	14	211	1.77	4.5					
RA	H	3	30		1,064	1,064	38		46	54				24	16	35	12	180	1.29	5.9					
RA	H	4	44		1,553	1,553	56		100			4	29	3	65	32	6	53	0.53	29.3					
RA	Totals		10	.4	3,577	3,564	128		57	43		2	32	6	60	32	8	90	0.80	39.7					
Type Totals				.6	35,834	35,614	1,282	5	34	33	28	1	6	3	90	36	9	144	0.96	247.3					

TC		Stand Table Summary											T03S R08W S14 T0100			T03S R08W S14 T0100			
Project														WOODFINL					
T03S R08W S14 T0100														T03S R08W S14 T0100					
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		Page:		1	
03S		08W		14		UNIT2		0100		36.00		18		119		Date:		04/13/2021	
																Time:		1:08:05PM	
S Spc	T	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	T o t a l s					
		DBH	Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF			
WH		10	1	85	40	6.720	3.67	6.72	7.8	30.0	1.68	52	202	60	19	7			
WH		12	1	80	52	4.667	3.67	4.67	16.6	40.0	2.48	77	187	89	28	7			
WH		13	1	83	112	3.976	3.67	7.95	17.1	65.0	4.35	136	517	156	49	19			
WH		16	1	86	112	2.625	3.67	5.25	29.1	120.0	4.89	153	630	176	55	23			
WH		17	1	86	73	2.325	3.67	4.65	24.3	85.0	3.61	113	395	130	41	14			
WH		18	1	85	146	2.074	3.67	6.22	31.8	143.3	6.33	198	892	228	71	32			
WH		19	2	84	122	3.723	7.33	9.31	33.8	134.0	10.08	315	1,247	363	113	45			
WH		20	3	85	129	5.040	11.00	15.12	33.4	143.3	16.15	505	2,167	581	182	78			
WH		21	1	85	140	1.524	3.67	4.57	41.6	193.3	6.08	190	884	219	68	32			
WH		22	1	85	129	1.388	3.67	4.17	41.8	190.0	5.57	174	791	201	63	28			
WH		24	2	90	116	2.333	7.33	3.50	73.6	353.3	8.24	257	1,237	297	93	45			
WH		25	2	87	118	2.150	7.33	6.45	51.6	231.7	10.66	333	1,495	384	120	54			
WH		26	1	86	120	.994	3.67	2.98	56.4	253.3	5.38	168	756	194	61	27			
WH		28	1	94	130	.857	3.67	2.57	73.5	410.0	6.04	189	1,054	218	68	38			
WH		29	1	83	128	.799	3.67	2.40	72.5	330.0	5.56	174	791	200	63	28			
WH		31	1	83	113	.699	3.67	2.10	68.1	300.0	4.57	143	629	165	51	23			
WH		32	2	84	133	1.313	7.33	3.94	78.1	381.7	9.84	308	1,503	354	111	54			
WH		35	2	70	129	1.097	7.33	2.74	85.0	374.0	7.46	233	1,026	269	84	37			
WH		38	1	86	131	.465	3.67	.93	121.1	625.0	3.61	113	582	130	41	21			
WH		39	1	85	151	.442	3.67	1.33	142.8	796.7	6.06	189	1,056	218	68	38			
WH	Totals		27	84	102	45.214	98.96	97.57	41.2	184.9	128.65	4,020	18,040	4,631	1,447	649			
DF		11	1	83	61	5.305	3.50	5.30	13.3	40.0	2.01	71	212	72	25	8			
DF		12	2	83	84	8.915	7.00	8.92	21.1	70.0	5.35	188	624	193	68	22			
DF		14	2	82	123	6.550	7.00	13.10	21.2	85.0	7.91	278	1,114	285	100	40			
DF		15	1	83	116	2.853	3.50	5.71	23.1	90.0	3.75	132	514	135	47	18			
DF		16	3	83	115	7.522	10.50	15.04	25.8	96.7	11.06	388	1,454	398	140	52			
DF		18	3	84	132	5.944	10.50	17.83	25.9	103.3	13.17	462	1,843	474	166	66			
DF		19	5	85	114	8.891	17.51	21.34	32.8	126.7	19.93	699	2,703	717	252	97			
DF		21	1	86	128	1.456	3.50	4.37	35.5	146.7	4.42	155	640	159	56	23			
DF		22	1	86	137	1.326	3.50	3.98	42.7	193.3	4.85	170	769	174	61	28			
DF		23	1	85	134	1.213	3.50	3.64	46.4	203.3	4.81	169	740	173	61	27			
DF		24	1	86	150	1.114	3.50	3.34	53.9	253.3	5.13	180	847	185	65	30			
DF		27	2	88	149	1.761	7.00	5.28	69.3	351.7	10.44	366	1,858	376	132	67			
DF		30	1	85	126	.713	3.50	2.14	72.8	323.3	4.44	156	692	160	56	25			
DF	Totals		24	84	111	53.564	84.03	109.99	31.0	127.4	97.27	3,413	14,009	3,502	1,229	504			
RA		10	1	89	79	5.135	2.80	5.14	14.5	60.0	2.04	74	308	74	27	11			
RA		11	1	85	47	4.244	2.80	4.24	10.8	40.0	1.26	46	170	45	16	6			
RA		12	2	86	50	7.132	5.60	7.13	15.1	45.0	2.97	108	321	107	39	12			
RA		16	2	86	70	4.012	5.60	4.01	36.8	120.0	4.06	147	481	146	53	17			
RA		17	1	85	83	1.777	2.80	3.55	27.1	105.0	2.65	96	373	95	35	13			
RA		18	2	85	69	3.170	5.60	4.75	32.6	113.3	4.26	155	539	153	56	19			
RA		20	1	83	79	1.284	2.80	2.57	35.1	110.0	2.48	90	282	89	32	10			
RA		21	1	86	62	1.164	2.80	2.33	30.8	120.0	1.97	72	279	71	26	10			
RA		22	1	82	75	1.061	2.80	2.12	42.7	130.0	2.49	91	276	90	33	10			
RA		23	2	80	68	1.941	5.60	3.88	38.0	137.5	4.06	148	534	146	53	19			
RA	Totals		14	86	64	30.921	39.21	39.73	25.8	89.7	28.23	1,026	3,564	1,016	370	128			
Totals			65	84	96	129.699	222.20	247.29	34.2	144.0	254.14	8460	35,614	9,149	3,045	1,282			

TC TLOGSTVB

Log Stock Table - MBF
Project: WOODFINL

T03S R08W S14 T0100

T03S R08W S14 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	2
03S	08W	14	UNIT2	0100	36.00	18	119	Date	4/13/2022
								Time	1:08:04PM

Spp	T	S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches										
										MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15
RA	H	4	29			6		6	4.8			6								
RA	H	4	32			2		2	1.4			2								
RA	H	4	39			19		19	14.6			19								
RA	H	4	40			17		17	13.5				17							
RA		Totals				129		128	10.0			39	17	18	29	9	16			
Total All Species						1,290		1,282	100.0			68	115	152	164	217	176	181	140	70

T03S R08W S14 T0100										T03S R08W S14 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT3A	0100	24.00	8	57	S	W					

Spp	S	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs			
									Net	BdFt	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia
					4-5	6-11	12-16								17+	12-20	21-30	31-35	36-99	Ft		In		
DF	CO	2		9	1.9	2,499	2,451	59	100				100				40	13	246	1.56	10.0			
DF	CO	3		69	1.4	17,170	16,931	406		93	7			5	95	39	8	103	0.77	163.8				
DF	CO	4		22	1.4	5,474	5,400	130	85	15			21	22	14	43	28	5	30	0.31	182.1			
DF	Totals			95	1.4	25,143	24,783	595	19	67	15		5	5	6	84	34	7	70	0.60	355.9			
WH	CO	3		78	4.7	833	793	19	100				100				40	9	114	0.83	6.9			
WH	CO	4		22		217	217	5	100				28		72		27	5	31	0.29	6.9			
WH	Totals			4	3.7	1,050	1,011	24	22	78			6		16	78	34	7	73	0.61	13.9			
RA	H	4		100		319	319	8	100				100				40	7	70	0.59	4.6			
RA	Totals			1		319	319	8	100				100				40	7	70	0.59	4.6			
Type Totals					1.5	26,512	26,112	627	18	67	14		5	4	7	84	34	7	70	0.60	374.3			

TC		TSTNDSUM		Stand Table Summary												
Project														WOODFINL		
T03S R08W S14 T0100										T03S R08W S14 T0100						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1							
03S	08W	14	UNIT3A	0100	24.00	8	57	Date:	04/13/2021							
								Time:	1:14:04PM							
Spc	S T	Sample		Av		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals		
		DBH	Trees	FF 16'	Ht Tot				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF
DF		9	2	78	65	26.335	11.63	39.50	5.8	23.3	6.51	229	922	156	55	22
DF		10	3	82	83	31.996	17.45	32.00	13.5	50.0	12.33	433	1,600	296	104	38
DF		11	2	82	76	17.629	11.63	17.63	17.1	60.0	8.60	302	1,058	207	72	25
DF		12	3	81	92	22.220	17.45	37.03	12.6	40.0	13.25	468	1,481	318	112	36
DF		13	3	80	91	18.933	17.45	31.55	16.7	56.0	15.05	528	1,767	361	127	42
DF		14	2	82	95	10.883	11.63	21.77	17.2	57.5	10.68	375	1,252	256	90	30
DF		15	5	82	102	23.701	29.09	47.40	21.4	77.0	28.95	1,016	3,650	695	244	88
DF		16	5	82	94	20.831	29.09	41.66	23.2	77.0	27.56	967	3,208	662	232	77
DF		17	1	83	99	3.690	5.82	7.38	27.0	95.0	5.68	199	701	136	48	17
DF		18	7	82	88	23.043	40.72	46.09	28.1	93.6	36.90	1,295	4,312	886	311	103
DF		19	1	82	117	2.954	5.82	5.91	38.1	135.0	6.41	225	798	154	54	19
DF		20	2	86	108	5.333	11.63	13.33	33.1	124.0	12.58	442	1,653	302	106	40
DF		21	1	82	109	2.418	5.82	4.84	45.2	145.0	6.23	218	701	149	52	17
DF		22	1	86	111	2.204	5.82	6.61	33.6	130.0	6.33	222	859	152	53	21
DF		26	1	83	114	1.578	5.82	3.16	69.2	260.0	6.22	218	820	149	52	20
DF		Totals	39	81	88	213.748	226.87	355.86	20.1	69.6	203.30	7,136	24,783	4,879	1,713	595
WH		14	1	89	102	3.930	4.20	7.86	20.0	75.0	5.04	157	590	121	38	14
WH		16	1	82	76	3.009	4.20	6.02	21.0	70.0	4.04	126	421	97	30	10
WH		Totals	2	86	91	6.939	8.40	13.88	20.4	72.8	9.08	284	1,011	218	68	24
RA		13	1	80	76	4.558	4.20	4.56	23.8	70.0	2.98	108	319	72	26	8
RA		Totals	1	80	76	4.558	4.20	4.56	23.8	70.0	2.98	108	319	72	26	8
Totals			42	82	88	225.245	239.47	374.29	20.1	69.8	215.36	7529	26,112	5,169	1,807	627

Log Stock Table - MBF
Project: WOODFINL

T03S R08W S14 T0100

T03S R08W S14 T0100

Twp Rge Sec Tract Type Acres Plots Sample Trees
03S 08W 14 UNIT3A 0100 24.00 8 57

Page 1
Date 4/13/2022
Time 1:14:02PM

Spp	T	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches									
										MBF	MBF	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19
DF		CO	2		40	60	1.9	59	9.9					43	15				
DF		CO	3		32	20		20	3.4			11		9					
DF		CO	3		36	10	10.0	9	1.5				9						
DF		CO	3		40	382	1.2	377	63.4			87	150	111	14		15		
DF		CO	4		12	1		1	.1		1								
DF		CO	4		14	4		4	.6		4								
DF		CO	4		16	6		6	1.1		6								
DF		CO	4		18	4		4	.6		4								
DF		CO	4		20	13		13	2.2		9	4							
DF		CO	4		24	5		5	.8		5								
DF		CO	4		26	6		6	1.1		6								
DF		CO	4		30	17		17	2.9		17								
DF		CO	4		32	10		10	1.7		10								
DF		CO	4		34	8		8	1.4		8								
DF		CO	4		36	19	9.4	17	2.9		17								
DF		CO	4		38	5		5	.8		5								
DF		CO	4		40	35		35	5.8		19	15							
DF		Totals				603	1.4	595	94.9		111	116	159	120	58	15	15		
WH		CO	3		40	20	4.7	19	78.5			19							
WH		CO	4		18	1		1	6.0		1								
WH		CO	4		34	4		4	15.6		4								
WH		Totals				25	3.7	24	3.9		5	19							
RA		H	4		40	8		8	100.0			8							
RA		Totals				8		8	1.2			8							
Total All Species						636	1.5	627	100.0		116	124	178	120	58	15	15		

T03S R08W S14 T0200										T03S R08W S14 T0200				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT3B	0200	7.00	7	30	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre	
								Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/		
								4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf		
DF	CO	3	44	2,345	2,345	16	100				42 58				36	7	65	0.55	35.9		
DF	CO	4	56	2,933	2,933	21	62	38					69	31			18	6	20	0.30	145.4
DF	Totals		46	5,278	5,278	37	34	66					38	19	43	22	6	29	0.38	181.2	
RA	H	4	87	5,492	5,492	38	100				3	10	9	77	36	7	62	0.47	88.1		
RA	H	4	13	782	782	5	100				100				18	6	29	0.50	26.8		
RA	Totals		54	6,274	6,274	44	100				16	9	8	68	31	7	55	0.47	115.0		
Type Totals				11,552	11,552	81	16	84					26	5	13	56	26	6	39	0.43	296.2

TC		TSTNDSUM		Stand Table Summary													
Project														WOODFINL			
T03S R08W S14 T0200										T03S R08W S14 T0200							
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees			Page:	1						
03S	08W	14	UNIT3B	0200	7.00	7	30			Date:	04/13/2021						
										Time:	1:17:05PM						
Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net	Net	Totals				
		DBH	Trees	16'				Tot	Net Cu.Ft.		Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF
RA		10	1	82	77	20.081	10.95	20.08	15.8	90.0	8.73	318	1,807	61	22	13	
RA		11	2	82	78	22.866	15.09	22.87	16.7	60.0	10.50	382	1,372	73	27	10	
RA		12	2	79	78	19.213	15.09	28.82	13.5	43.3	10.66	388	1,249	75	27	9	
RA		13	2	81	70	16.371	15.09	16.37	23.1	65.0	10.39	378	1,064	73	26	7	
RA		Totals		7	81	76	78.531	56.22	88.14	16.6	62.3	40.28	1,465	5,492	282	103	38
DF		8	1	80	17	43.558	15.20	43.56	2.8	10.0	3.45	121	436	24	8	3	
DF		9	1	74	20	34.416	15.20	34.42	3.8	20.0	3.74	131	688	26	9	5	
DF		10	1	74	30	27.877	15.20	27.88	5.8	20.0	4.59	161	558	32	11	4	
DF		11	1	80	58	23.039	15.20	23.04	14.3	40.0	9.41	330	922	66	23	6	
DF		12	1	83	90	19.359	15.20	19.36	21.1	70.0	11.62	408	1,355	81	29	9	
DF		13	1	80	72	16.495	15.20	32.99	11.1	40.0	10.46	367	1,320	73	26	9	
DF		Totals		6	78	40	164.744	91.23	181.24	8.4	29.1	43.28	1,519	5,278	303	106	37
Totals		13	79	51		243.275	147.45	269.38	11.1	40.0	83.56	2983	10,770	585	209	75	

Log Stock Table - MBF

T03S R08W S14 Ty0200 7.00

Project: WOODFINL
Acres 7.00

Page 1
Date 4/13/2022
Time 1:17:03PM

Spp	S T	So rt	Gr 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
RA		H	4	20	1		1	3.1			1								
RA		H	4	30	4		4	9.2				4							
RA		H	4	32	3		3	7.7			3								
RA		H	4	38	5		5	10.9			5								
RA		H	4	40	25		25	56.7			12	13							
RA		H	4	18	5		5	12.5			5								
RA		Totals			44		44	54.3			27	17							
DF		CO	3	32	7		7	18.8			7								
DF		CO	3	40	9		9	25.7			9								
DF		CO	4	12	3		3	8.3			3								
DF		CO	4	14	5		5	13.0			5								
DF		CO	4	16	2		2	6.3				2							
DF		CO	4	20	4		4	10.6				4							
DF		CO	4	36	6		6	17.5				6							
DF		Totals			37		37	45.7			13	24							
Total		All Species			81		81	100.0			13	52	17						

T03S R08W S14 T0300										T03S R08W S14 T0300				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT3C	0300	4.00	4	20	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs						
								Net	BdFt	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/	
														4-5	6-11	12-16	17+	12-20	21-30		31-35					36-99
WH	CO	2	85	1.4	28,748	28,359	113			41	59				100	40	17	479	2.61	59.2						
WH	CO	3	13		4,258	4,258	17			100				2		39	9	122	1.02	34.8						
WH	CO	4	2		521	521	2	45	55					72	28	20	6	28	0.46	18.9						
WH	Totals		90	1.2	33,527	33,138	133	1	14	35	50			1	0	98	36	13	293	1.89	113.0					
DF	CO	2	72		2,523	2,523	10			47	53				100	40	17	430	2.31	5.9						
DF	CO	3	25		880	880	4			100					100	40	10	150	1.02	5.9						
DF	CO	4	3		88	88	0			100			100			16	7	30	0.46	2.9						
DF	Totals		10		3,491	3,491	14			28	34	39		3		97	35	12	238	1.56	14.7					
Type Totals				1.1	37,018	36,629	147	1	15	35	49			1	0	98	36	13	287	1.85	127.6					

TC		TSTNDSUM		Stand Table Summary												
Project													WOODFINL			
T03S R08W S14 T0300										T03S R08W S14 T0300						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1			Date:	04/13/2021			
03S	08W	14	UNIT3C	0300	4.00	4	20	Time:	1:19:21PM							
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
WH		20	1	89	100	5.893	12.86	11.79	45.2	175.0	17.03	532	2,063	68	21	8
WH		21	1	86	102	5.345	12.86	10.69	48.1	180.0	16.46	514	1,924	66	21	8
WH		22	1	89	126	4.870	12.86	14.61	43.8	203.3	20.48	640	2,971	82	26	12
WH		23	1	88	119	4.456	12.86	13.37	43.8	183.3	18.72	585	2,451	75	23	10
WH		24	1	86	108	4.093	12.86	8.19	63.8	250.0	16.70	522	2,046	67	21	8
WH		25	1	89	125	3.772	12.86	11.32	55.0	253.3	19.93	623	2,866	80	25	11
WH		28	1	85	116	3.007	12.86	9.02	62.5	273.3	18.03	563	2,466	72	23	10
WH		29	1	85	125	2.803	12.86	8.41	70.0	326.7	18.85	589	2,747	75	24	11
WH		31	1	83	105	2.453	12.86	4.91	104.9	425.0	16.47	515	2,085	66	21	8
WH		32	1	82	107	2.302	12.86	4.60	114.1	470.0	16.81	525	2,164	67	21	9
WH		33	1	85	100	2.165	12.86	4.33	117.8	495.0	16.30	510	2,143	65	20	9
WH		36	1	86	113	1.819	12.86	3.64	151.1	695.0	17.59	550	2,528	70	22	10
WH		37	1	83	101	1.722	12.86	3.44	148.2	595.0	16.33	510	2,049	65	20	8
WH		39	1	82	118	1.550	12.86	4.65	121.4	566.7	18.07	565	2,635	72	23	11
WH	Totals	14	86	112	46.250	180.00	112.96	68.6	293.4	247.77	7,743	33,138	991	310	133	
DF		25	2	87	117	5.867	20.00	14.67	54.8	238.0	22.91	804	3,491	92	32	14
DF	Totals	2	87	117	5.867	20.00	14.67	54.8	238.0	22.91	804	3,491	92	32	14	
Totals		16	86	113	52.117	200.00	127.63	67.0	287.0	270.68	8547	36,629	1,083	342	147	

Log Stock Table - MBF
Project: WOODFINL

T03S R08W S14 T0300

T03S R08W S14 T0300

Twp Rge Sec Tract Type Acres Plots Sample Trees Page
03S 08W 14 UNIT3C 0300 4.00 4 20 Date 4/13/2022
Time 1:19:19PM

Spp	T	S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches											
										MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19
WH		CO	2		40	115	1.4	113	85.6					8	16	38	29	22			
WH		CO	3		14	0		0	.2					0							
WH		CO	3		40	17		17	12.6			3	2	12							
WH		CO	4		14	0		0	.2			0									
WH		CO	4		20	1		1	.9			0	0								
WH		CO	4		24	1		1	.4			1									
WH		Totals				134	1.2	133	90.5		1	4	2	12	8	16	38	29	22		
DF		CO	2		40	10		10	72.3						10						
DF		CO	3		40	4		4	25.2			1	2								
DF		CO	4		16	0		0	2.5			0									
DF		Totals				14		14	9.5			0	1	2		10					
Total All Species						148	1.1	147	100.0		1	4	4	14	8	16	49	29	22		

T03S R08W S14 T0100										T03S R08W S14 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT4	0100	40.00	16	102	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre				
								Net	Gross	Net	Net MBF	Log Scale Dia.				Log Length					Ln	Dia	Bd	CF/Lf
												4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
WH	CO	2	68	1.1	20,840	20,617	825			63	37					100	40	15	381	2.05	54.1			
WH	CO	3	24		7,043	7,043	282			91	9				6	94	39	9	125	0.84	56.4			
WH	CO	4	8		2,286	2,286	91	73	27					24	34	19	23	27	5	31	0.42	74.0		
WH	Totals		72	.7	30,169	29,946	1,198	6	24	45	26			2	4	1	93	34	10	162	1.12	184.5		
DF	CO	2	54	1.7	5,801	5,700	228			72	28					100	40	14	283	1.66	20.1			
DF	CO	3	40	1.0	4,199	4,156	166			100					1	99	40	8	107	0.72	38.8			
DF	CO	4	6		607	607	24	89	11					28	57	15		22	5	26	0.35	23.5		
DF	Totals		25	1.4	10,607	10,463	419	5	40	39	15			2	4	1	94	35	9	127	0.92	82.4		
RA	H	2	47	4.5	512	489	20			100						100	40	12	191	1.32	2.6			
RA	H	3	27		285	285	11			100						100	40	11	180	1.12	1.6			
RA	H	4	26		260	260	10			100				21	16	63	28	6	38	0.55	6.9			
RA	Totals		2	2.2	1,057	1,035	41			53	47			5	4		91	32	8	94	0.87	11.0		
Type Totals				.9	41,833	41,444	1,658	5	29	44	22			2	4	1	93	34	9	149	1.05	278.0		

TC		TSTNDSUM											Stand Table Summary			
Project														WOODFINL		
T03S R08W S14 T0100											T03S R08W S14 T0100					
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1							
03S	08W	14	UNIT4	0100	40.00	16	102	Date:	04/13/2022							
								Time:	1:39:30PM							
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
WH		11	2	84	46	14.538	9.59	14.54	11.5	35.0	5.37	168	509	215	67	20
WH		12	2	82	45	12.216	9.59	12.22	13.9	35.0	5.42	169	428	217	68	17
WH		13	1	85	53	5.205	4.80	5.20	18.4	40.0	3.07	96	208	123	38	8
WH		14	1	86	90	4.488	4.80	4.49	30.2	120.0	4.34	136	539	174	54	22
WH		15	2	87	92	7.818	9.59	15.64	21.9	90.0	10.95	342	1,407	438	137	56
WH		16	1	88	107	3.436	4.80	6.87	29.1	120.0	6.40	200	825	256	80	33
WH		17	1	83	132	3.043	4.80	6.09	32.3	150.0	6.29	197	913	252	79	37
WH		18	1	85	122	2.715	4.80	8.14	25.9	103.3	6.74	211	842	270	84	34
WH		19	3	88	108	7.309	14.39	17.06	35.6	140.0	19.46	608	2,388	778	243	96
WH		21	2	85	91	3.989	9.59	7.98	43.9	152.5	11.21	350	1,217	449	140	49
WH		22	6	88	115	10.904	28.78	30.89	42.8	186.5	42.27	1,321	5,761	1,691	528	230
WH		23	4	85	114	6.651	19.19	16.63	49.6	208.0	26.38	824	3,458	1,055	330	138
WH		24	3	87	118	4.581	14.39	12.22	54.0	226.2	21.10	659	2,764	844	264	111
WH		25	2	86	119	2.815	9.59	8.44	50.5	218.3	13.63	426	1,844	545	170	74
WH		26	1	88	119	1.301	4.80	3.90	59.1	276.7	7.38	231	1,080	295	92	43
WH		28	1	88	120	1.122	4.80	3.37	67.5	323.3	7.27	227	1,088	291	91	44
WH		30	2	89	127	1.955	9.59	5.86	81.2	403.3	15.25	476	2,365	610	191	95
WH		32	1	88	132	.859	4.80	2.58	95.0	486.7	7.83	245	1,254	313	98	50
WH		33	1	85	131	.808	4.80	2.42	95.3	436.7	7.39	231	1,058	296	92	42
WH	Totals	37	86	89	95.752	177.50	184.53	38.6	162.3	227.74	7,117	29,946	9,110	2,847	1,198	
DF		11	1	75	40	6.016	3.97	6.02	10.4	30.0	1.78	62	180	71	25	7
DF		13	1	82	65	4.308	3.97	4.31	22.4	60.0	2.75	96	258	110	39	10
DF		16	1	83	114	2.844	3.97	5.69	26.8	105.0	4.35	153	597	174	61	24
DF		17	1	86	111	2.519	3.97	5.04	29.1	120.0	4.18	147	605	167	59	24
DF		18	3	85	114	6.741	11.91	17.98	25.7	97.5	13.17	462	1,753	527	185	70
DF		19	4	85	121	8.066	15.88	20.17	32.4	125.0	18.64	654	2,521	746	262	101
DF		20	1	82	119	1.820	3.97	5.46	30.4	116.7	4.73	166	637	189	66	25
DF		22	1	85	126	1.504	3.97	4.51	40.3	173.3	5.19	182	782	207	73	31
DF		24	1	85	125	1.264	3.97	3.79	46.8	200.0	5.06	178	758	202	71	30
DF		26	2	87	128	2.154	7.94	6.46	55.5	245.0	10.22	359	1,583	409	143	63
DF		27	1	85	133	.999	3.97	3.00	61.6	263.3	5.26	184	789	210	74	32
DF	Totals	17	83	100	38.234	67.50	82.41	32.1	127.0	75.31	2,642	10,463	3,012	1,057	419	
RA		13	1	72	64	2.712	2.50	2.71	22.8	60.0	1.70	62	163	68	25	7
RA		17	1	88	83	1.586	2.50	3.17	26.6	100.0	2.32	85	317	93	34	13
RA		18	1	92	84	1.415	2.50	2.83	30.0	115.0	2.33	85	325	93	34	13
RA		20	1	85	75	1.146	2.50	2.29	34.6	100.0	2.18	79	229	87	32	9
RA	Totals	4	82	74	6.859	10.00	11.01	28.2	94.0	8.54	310	1,035	341	124	41	
Totals		58	85	91	140.845	255.00	277.95	36.2	149.1	311.59	10070	41,444	12,464	4,028	1,658	

TC		TLOGSTVB		Log Stock Table - MBF															
Project:												WOODFINL							
T03S R08W S14 T0100												T03S R08W S14 T0100							
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1										
03S	08W	14	UNIT4	0100	40.00	16	102	Date	4/13/2022										
								Time	1:39:29PM										
Spp	T	So	Gr	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
WH		CO	2	40		834	1.1	825	68.8				128	127	413	157			
WH		CO	3	24		12		12	1.0				12						
WH		CO	3	26		4		4	.3										
WH		CO	3	40		266		266	22.2			22	84	136	24				
WH		CO	4	14		1		1	.1										
WH		CO	4	15		3		3	.2			3							
WH		CO	4	16		5		5	.4			4							
WH		CO	4	17		2		2	.1										
WH		CO	4	18		1		1	.1			1							
WH		CO	4	19		3		3	.3			2							
WH		CO	4	20		6		6	.5										
WH		CO	4	24		11		11	.9										
WH		CO	4	26		2		2	.2										
WH		CO	4	28		13		13	1.1			13							
WH		CO	4	30		5		5	.4			5							
WH		CO	4	32		3		3	.2			3							
WH		CO	4	34		15		15	1.2			15							
WH		CO	4	36		3		3	.3			3							
WH		CO	4	40		18		18	1.5			18							
WH		Totals				1,207		1,198	72.3			67	43	91	148	153	127	413	157
DF		CO	2	40		232	1.7	228	54.5					124	20	83			
DF		CO	3	28		2		2	.5			2							
DF		CO	3	40		166	1.0	164	39.2			40	32	93					
DF		CO	4	13		1		1	.2			1							
DF		CO	4	15		1		1	.3			1							
DF		CO	4	16		2		2	.4			2							
DF		CO	4	20		3		3	.6			2	1						
DF		CO	4	23		1		1	.2			1							
DF		CO	4	24		4		4	1.0			4							
DF		CO	4	26		7		7	1.7			7							
DF		CO	4	27		2		2	.4				2						
DF		CO	4	34		4		4	.9			4							
DF		Totals				424	1.4	419	25.2			22	45	32	93	124	20	83	
RA		H	2	40		20	4.5	20	47.3					20					
RA		H	3	40		11		11	27.6					11					
RA		H	4	20		2		2	5.3			2							
RA		H	4	26		2		2	4.1			2							
RA		H	4	36		7		7	15.7			7							
RA		Totals				42	2.2	41	2.5			10		11	20				
Total All Species						1,673		1,658	100.0			89	98	123	252	297	147	496	157

T03S R08W S14 T0100										T03S R08W S14 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	14	UNIT5	0100	11.00	13	86	S	W					

Spp	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre						
								Net	BdFt	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/Lf	
														4-5	6-11	12-16	17+	12-20	21-30		31-35					36-99
WH	CO	2	67	2.8	21,289	20,694	228			71	29			3		97	39	14	313	1.80	66.1					
WH	CO	3	27	.2	8,357	8,338	92			100				2		3	39	8	103	0.75	81.1					
WH	CO	4	6	2.5	1,695	1,652	18	46	54					67	17	10	20	6	25	0.38	65.8					
WH	Totals		70	2.1	31,341	30,684	338	2	30	48	20			4	3	1	33	9	144	1.07	212.9					
DF	CO	2	60	1.1	7,932	7,847	86			68	32					100	40	15	350	1.88	22.4					
DF	CO	3	34	2.3	4,401	4,300	47			100					2	1	39	9	111	0.71	38.8					
DF	CO	4	6		721	721	8	65	35					41	38	15	22	5	24	0.33	29.5					
DF	Totals		30	1.4	13,054	12,868	142	4	35	41	20			2	3	1	34	9	142	0.98	90.8					
Type Totals				1.9	44,395	43,552	479	3	32	46	20			4	3	1	33	9	143	1.04	303.7					

TC		TSTNDSUM											Stand Table Summary			
Project													WOODFINL			
T03S R08W S14 T0100										T03S R08W S14 T0100						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1							
03S	08W	14	UNIT5	0100	11.00	13	86	Date:	04/13/2021							
								Time:	2:09:06PM							
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
WH		9	1	83	24	10.362	4.58	10.36	4.4	20.0	1.45	45	207	16	5	2
WH		13	2	87	81	9.933	9.16	14.90	17.0	63.3	8.11	253	944	89	28	10
WH		14	1	85	45	4.282	4.58	4.28	17.9	40.0	2.45	77	171	27	8	2
WH		15	2	85	88	7.461	9.16	11.19	24.4	86.7	8.74	273	970	96	30	11
WH		16	1	86	88	3.279	4.58	6.56	24.2	90.0	5.08	159	590	56	17	6
WH		17	4	85	93	11.617	18.31	20.33	30.2	112.9	19.65	614	2,294	216	68	25
WH		18	3	86	114	7.772	13.73	18.13	32.3	122.9	18.72	585	2,228	206	64	25
WH		19	4	85	108	9.300	18.31	20.93	33.9	127.8	22.68	709	2,674	250	78	29
WH		20	7	87	120	14.688	32.05	41.97	34.4	146.5	46.19	1,443	6,148	508	159	68
WH		21	4	89	121	7.613	18.31	22.84	37.9	168.3	27.67	865	3,845	304	95	42
WH		22	1	85	116	1.734	4.58	5.20	38.4	153.3	6.40	200	798	70	22	9
WH		23	2	84	103	3.173	9.16	7.93	42.9	162.0	10.89	340	1,285	120	37	14
WH		24	1	89	144	1.457	4.58	4.37	57.8	276.7	8.08	253	1,209	89	28	13
WH		25	1	86	113	1.343	4.58	4.03	49.2	210.0	6.34	198	846	70	22	9
WH		27	2	84	115	2.303	9.16	5.76	69.2	282.0	12.75	398	1,623	140	44	18
WH		28	2	85	117	2.141	9.16	5.35	76.3	322.0	13.07	408	1,724	144	45	19
WH		29	2	85	134	1.996	9.16	5.99	77.1	365.0	14.77	462	2,186	163	51	24
WH		30	1	85	117	.933	4.58	2.80	73.6	336.7	6.60	206	942	73	23	10
WH		Totals	41	86	95	101.387	187.69	212.92	35.2	144.1	239.64	7,488	30,684	2,636	824	338
DF		9	1	80	17	7.598	3.36	7.60	4.1	20.0	.89	31	152	10	3	2
DF		12	1	89	62	4.274	3.36	4.27	17.1	60.0	2.09	73	256	23	8	3
DF		14	1	89	128	3.140	3.36	6.28	22.1	100.0	3.95	139	628	43	15	7
DF		15	2	86	88	5.470	6.71	10.94	18.6	72.5	5.79	203	793	64	22	9
DF		16	1	86	98	2.404	3.36	4.81	23.2	90.0	3.18	111	433	35	12	5
DF		17	2	87	123	4.259	6.71	10.65	26.1	100.0	7.92	278	1,065	87	31	12
DF		20	2	89	131	3.077	6.71	9.23	33.3	150.0	8.77	308	1,385	96	34	15
DF		21	1	85	126	1.396	3.36	4.19	35.2	143.3	4.20	147	600	46	16	7
DF		22	1	89	134	1.272	3.36	3.81	40.9	190.0	4.45	156	725	49	17	8
DF		23	2	86	125	2.327	6.71	6.98	43.0	185.0	8.55	300	1,291	94	33	14
DF		24	3	85	131	3.205	10.07	9.62	47.7	203.3	13.08	459	1,955	144	50	22
DF		25	1	83	152	.985	3.36	2.95	57.0	253.3	4.80	168	748	53	19	8
DF		26	2	85	118	1.821	6.71	4.55	62.6	276.0	8.12	285	1,256	89	31	14
DF		27	1	85	143	.844	3.36	2.53	67.4	320.0	4.87	171	810	54	19	9
DF		28	1	89	130	.785	3.36	2.35	66.9	326.7	4.49	158	769	49	17	8
DF		Totals	22	86	95	42.856	73.85	90.77	32.9	141.8	85.14	2,987	12,868	937	329	142
Totals			63	86	95	144.243	261.54	303.69	34.5	143.4	324.78	10476	43,552	3,573	1,152	479

TC		TLOGSTVB		Log Stock Table - MBF														
				Project: WOODFINL														
T03S R08W S14 T0100										T03S R08W S14 T0100								
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1									
03S	08W	14	UNIT5	0100	11.00	13	86	Date	4/13/2022									
									Time	2:09:05PM								
Spp	T	So	Gr	Log	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
WH	CO	2	24		8		8	2.3				3		4				
WH	CO	2	40		227	2.9	220	65.2				56	92	41	31			
WH	CO	3	16		2		2	.5			2							
WH	CO	3	32		3		3	.8		2	1							
WH	CO	3	36		5		5	1.6		1	4							
WH	CO	3	40		82	.3	82	24.3		14	34	34						
WH	CO	4	12		1		1	.2		0	0							
WH	CO	4	14		0		0	.1		0								
WH	CO	4	15		0		0	.1		0								
WH	CO	4	16		7		7	2.1		3	2	2						
WH	CO	4	18		1		1	.4				1						
WH	CO	4	20		3		3	.8		1	2							
WH	CO	4	24		1		1	.3		1	0							
WH	CO	4	26		1		1	.2			1							
WH	CO	4	28		1		1	.3		1								
WH	CO	4	30		0		0	.1		0								
WH	CO	4	32		2	20.0	2	.6			2							
WH	CO	4	39		1		1	.3		1								
WH	Totals				345	2.1	338	70.5		8	24	42	36	59	92	45	31	
DF	CO	2	40		87	1.1	86	61.0				14	30	36	6			
DF	CO	3	24		1		1	.7				1						
DF	CO	3	32		1		1	.5			1							
DF	CO	3	36		1		1	.5		1								
DF	CO	3	38		1		1	.5		1								
DF	CO	3	40		45	2.5	44	31.3		8	11	25						
DF	CO	4	13		0		0	.2		0								
DF	CO	4	15		2		2	1.2			2							
DF	CO	4	16		0		0	.2			0							
DF	CO	4	20		1		1	.8		1	0							
DF	CO	4	24		2		2	1.5		2								
DF	CO	4	26		0		0	.2			0							
DF	CO	4	30		1		1	.4		1								
DF	CO	4	31		0		0	.3		0								
DF	CO	4	32		1		1	.6		1								
DF	CO	4	40		0		0	.3		0								
DF	Totals				144	1.4	142	29.5		5	12	11	26	14	30	36	6	
Total All Species					488	1.9	479	100.0		13	36	54	62	74	123	81	37	

T03S R08W S15 T0100										T03S R08W S15 T0100				
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt					
03S	08W	15	UNIT6	0100	2.00	1	548	S	W					

S Spp	So T	Gr rt ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
								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	CO	2	3		663	663	1	100				16	37	47	29	12	143	1.33	4.6	
DF	CO	3	67	.5	11,737	11,675	23	1	98	1	3	1	2	94	38	8	95	0.74	123.4	
DF	CO	4	30	.6	5,074	5,043	10	79	21		28	31	14	27	26	5	29	0.33	174.3	
DF	Totals		76	.5	17,474	17,382	35	23	72	5	11	10	7	72	31	7	58	0.55	302.3	
RA	H	3	5		298	298	1	100				100				40	10	150	0.89	2.0
RA	H	4	95	.2	5,175	5,165	10	100				8	14	7	71	32	7	57	0.55	90.4
RA	Totals		24	.2	5,473	5,463	11	100				8	13	6	73	32	7	59	0.56	92.4
Type Totals				.4	22,947	22,845	46	18	79	3	10	11	7	72	31	7	58	0.55	394.7	

TC		TSTNDSUM											Stand Table Summary				
Project														WOODFINL			
T03S R08W S15 T0100											T03S R08W S15 T0100						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees			Page:	1						
03S	08W	15	UNIT6	0100	2.00	1	548			Date:	04/14/2021						
										Time:	6:21:45AM						
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals				
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF	
DF		8	6	75	18	9.254	3.23	3.08	3.2	20.0	.28	10	62	1	0	0	
DF		9	12	78	36	18.508	8.18	16.97	5.9	23.6	2.85	100	401	6	2	1	
DF		10	13	80	47	20.050	10.94	20.05	8.7	30.0	4.98	175	602	10	3	1	
DF		11	14	79	71	21.592	14.25	27.76	12.0	40.0	9.51	334	1,110	19	7	2	
DF		12	15	81	70	23.135	18.17	32.39	13.6	42.4	12.51	439	1,373	25	9	3	
DF		13	19	82	86	29.304	27.01	49.35	15.6	52.2	21.96	771	2,576	44	15	5	
DF		14	15	81	89	23.135	24.73	44.73	16.9	57.6	21.55	756	2,576	43	15	5	
DF		15	9	81	85	13.881	17.03	24.68	19.3	63.1	13.55	475	1,558	27	10	3	
DF		16	13	82	87	20.050	28.00	40.10	20.5	72.7	23.48	824	2,915	47	16	6	
DF		17	5	83	84	7.712	12.16	15.42	24.1	83.0	10.59	372	1,280	21	7	3	
DF		18	4	83	93	6.169	10.90	12.34	29.7	103.8	10.46	367	1,280	21	7	3	
DF		19	4	84	89	6.169	12.15	12.34	31.1	107.5	10.95	384	1,326	22	8	3	
DF		20	1	80	80	1.542	3.36	3.08	33.2	105.0	2.92	102	324	6	2	1	
DF		Totals	130	81	71	200.500	190.10	302.29	16.9	57.5	145.59	5,108	17,382	291	102	35	
RA		10	16	80	55	15.892	8.67	15.89	10.4	36.9	4.56	166	586	9	3	1	
RA		11	4	84	72	3.973	2.62	3.97	15.7	57.5	1.72	62	228	3	1	0	
RA		12	16	80	68	15.892	12.48	15.89	19.4	58.1	8.46	308	924	17	6	2	
RA		13	18	83	71	17.878	16.48	24.83	16.7	55.6	11.40	414	1,381	23	8	3	
RA		14	9	84	80	8.939	9.56	13.91	20.3	72.1	7.75	282	1,003	16	6	2	
RA		15	5	80	74	4.966	6.09	7.95	21.5	66.3	4.71	171	526	9	3	1	
RA		16	4	82	77	3.973	5.55	5.96	27.1	90.0	4.44	161	536	9	3	1	
RA		17	2	76	81	1.986	3.13	3.97	21.5	70.0	2.35	85	278	5	2	1	
RA		Totals	74	81	69	73.500	64.58	92.37	17.9	59.1	45.38	1,650	5,463	91	33	11	
Totals			204	81	71	274.000	254.68	394.66	17.1	57.9	190.97	6759	22,845	382	135	46	

Log Stock Table - MBF
Project: WOODFINL

T03S R08W S15 T0100

T03S R08W S15 T0100

Twp Rge Sec Tract Type Acres Plots Sample Trees Page
03S 08W 15 UNIT6 0100 2.00 1 548 1
Date 4/14/2022
Time 6:21:44AM

Spp	T	S	So	Gr	Log	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+
DF		CO	2		14	0		0	.6					0							
DF		CO	2		32	0		0	1.4					0							
DF		CO	2		40	1		1	1.8					1							
DF		CO	3		16	0		0	.7					0							
DF		CO	3		20	1		1	1.5					0							
DF		CO	3		21	0		0	.2		0										
DF		CO	3		22	0		0	.2		0										
DF		CO	3		30	0		0	.6					0							
DF		CO	3		32	0		0	1.2					0							
DF		CO	3		36	1		1	2.7					0							
DF		CO	3		40	21	.6	21	60.2			5	10	6							
DF		CO	4		12	0		0	.1		0										
DF		CO	4		14	0		0	1.2		0										
DF		CO	4		15	0		0	.2					0							
DF		CO	4		16	1	3.8	1	2.2		1			0							
DF		CO	4		17	0		0	.2		0										
DF		CO	4		18	0		0	.7		0										
DF		CO	4		19	0		0	.2		0										
DF		CO	4		20	1		1	3.4		1		0	0							
DF		CO	4		22	0		0	.4		0										
DF		CO	4		24	1		1	3.5		1		0	0							
DF		CO	4		25	0		0	.5		0										
DF		CO	4		26	1		1	2.4		1										
DF		CO	4		28	0		0	.5		0										
DF		CO	4		30	1		1	1.7		0		0								
DF		CO	4		32	0		0	1.3		0										
DF		CO	4		34	1	4.2	1	2.0		1										
DF		CO	4		35	0		0	.7		0										
DF		CO	4		36	1		1	2.0		0		0								
DF		CO	4		40	2		2	5.9		1		1								
DF		Totals					35		35	76.1		8		7	12	6	2				
RA		H	3		40	1		1	5.5					1							
RA		H	4		13	0		0	.4				0								
RA		H	4		15	0		0	1.1				0								
RA		H	4		16	0		0	1.1				0								
RA		H	4		18	0		0	1.5				0								
RA		H	4		20	0		0	4.0				0								
RA		H	4		22	0		0	1.8				0								
RA		H	4		24	0		0	2.7				0								
RA		H	4		26	0		0	1.3				0								
RA		H	4		28	0		0	1.1				0								
RA		H	4		30	1		1	6.4				0								
RA		H	4		32	1		1	5.3				0								
RA		H	4		34	0		0	.9				0								
RA		H	4		36	1	1.4	1	13.3				0								
RA		H	4		38	0		0	3.3				0								
RA		H	4		40	6		6	50.5				3	2	0						
RA		Totals					11		11	23.9				6	4	1					
Total All Species						46		46	100.0		8		13	15	8	2					



"STEWARDSHIP IN FORESTRY"

Wooden Corners

Volume Summary

Unit 1-Modified Clearcut				
76 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	15.6	1180	1%	1168
Red Alder	0.87	66	2%	65
western hemlock	0.20	15	1%	15
TOTAL	16.7	1261		1248

Unit 2-Modified Clearcut				
36 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	14.08	504	1%	499
western hemlock	18.14	649	1%	643
Red Alder	3.58	128	2%	126
TOTAL	35.8	1282		1268

Unit 3-Modified Clearcut				
35 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	18.457	646	1%	640
western hemlock	4.486	157		157
Red Alder	1.3	46	2%	45
TOTAL	24.3	849		842

Unit 4-Modified Clearcut				
40 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	10.48	419	1%	415
Alder	1.0	41	2%	40
western hemlock	30.0	1198	1%	1186
TOTAL	41.5	1658		1641

Area 5-Modified Clearcut				
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"STEWARDSHIP IN FORESTRY"

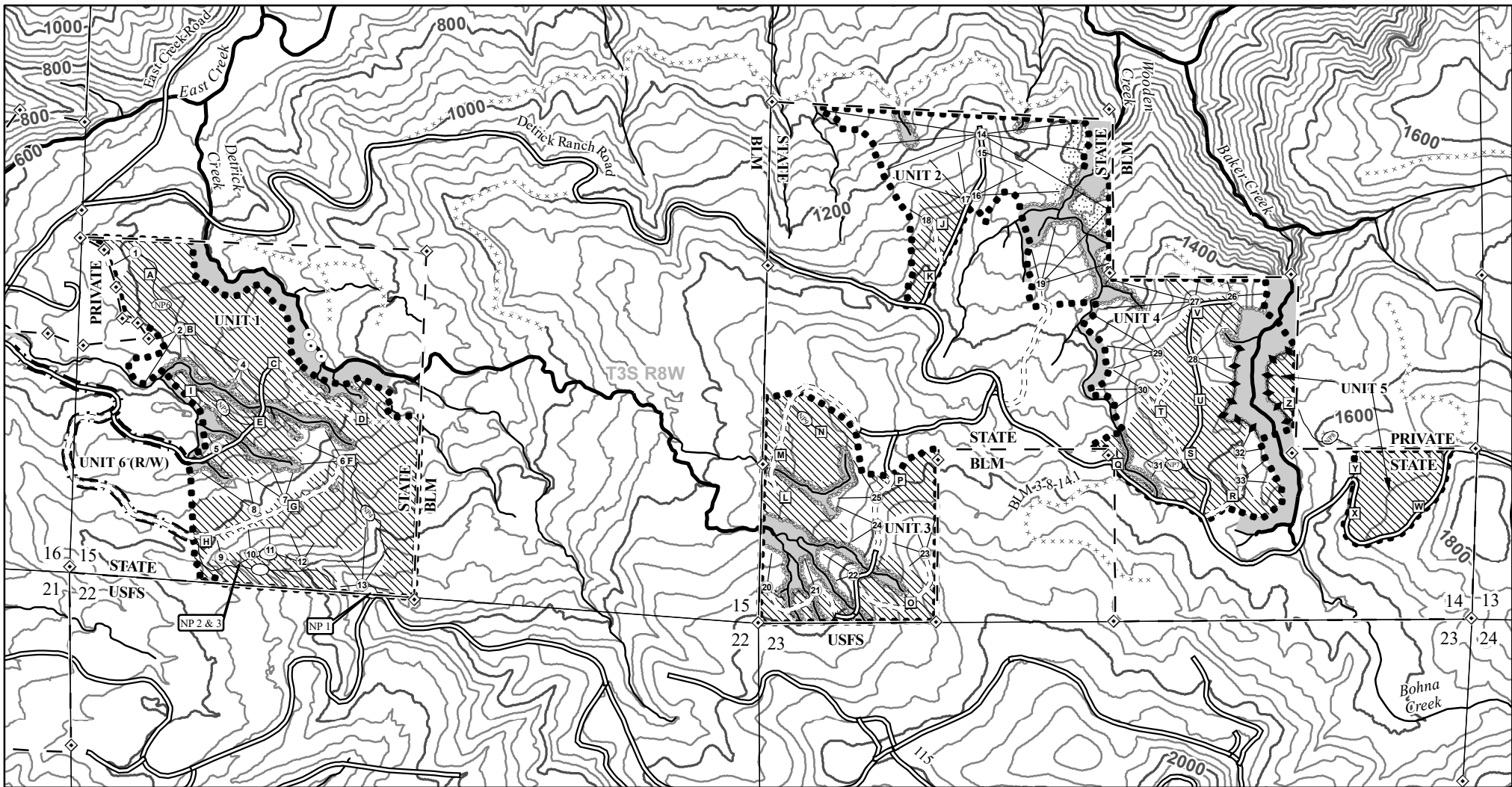
Wooden Corners

Volume Summary

11 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	12.9	142	1%	140
Western hemlock	30.7	338	1%	334
Alder	0.0	0	2%	0
TOTAL	43.6	479		475

Area 6-Modified Clearcut				
2 acres				
SPECIES	Cruised Net MBF/ Acre	Cruised Net MBF	Hidden D&B	Net Sale MBF
Douglas-fir	17.5	35	1%	35
Red alder	5.5	11	2%	11
TOTAL	23.0	46		45

TOTAL SALE VOLUME 199 acres		
SPECIES	Cruised Net (MBF)	Net Sale (MBF)
Douglas-fir	2926	2897
Western hemlock	2357	2335
Sitka Spruce	0	0
Bigleaf Maple		
Red Alder	292	287
TOTAL	5575	5519



Legend

- Cable Logging
- Cable Logging (Haulback)
- Ground Based Logging
- Timber Sale Boundary
- Area Boundary
- Riparian Boundary
- R/W Boundary
- Surfaced Road
- Unsurfaced Road
- Blocked Road
- Cable Landing
- Tractor Landing
- Corners
- Log Placement Site
- Non-Project Construction
- Riparian Buffer
- Property Line
- Type-F Stream
- Type-N Stream
- 200' Contour
- 40' Contour

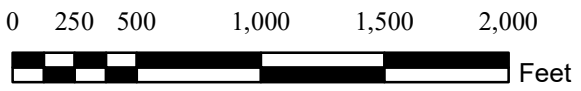
LOGGING PLAN

FOR TIMBER SALE CONTRACT
 TL-341-2022-W00851-01
 WOODEN CORNERS
 PORTIONS OF SECTIONS 14, 15, 16, T3S, R8W
 TILLAMOOK COUNTY, OREGON
 Tillamook District GIS
 April, 2022

This product is for informational use and may not be
 suitable for legal, engineering, or surveying purposes.

1:13,000

1 inch = 1,083 feet



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NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	60	16	76
UNIT 2	5	31	36
UNIT 3	24	11	35
UNIT 4	22	18	40
UNIT 5	11	0	11
UNIT 6	2	0	2
TOTAL	124	76	200