Timber Sale Appraisal
Simmons Spur
Sale TL-341-2025-W01049-02

District: Tillamook

Date: April 25, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$2,095,129.76	$27,658.68	$2,122,788.44
		Project Work:	($128,850.00)
		Advertised Value:	$1,993,938.44

Timber Sale Appraisal
Simmons Spur
Sale TL-341-2025-W01049-02

District: Tillamook **Date: April 25, 2024**

Timber Description

Location: Sections 12 & 13 of T2S R7W. & Sections 6 & 7 of T2S R6W Tillamook County, W.M.

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	20	0	100
Alder (Red)	17	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	3,669	1,715	0	5,384
Alder (Red)	0	0	266	266
Total	3,669	1,715	266	5,650

Comments: Additional Costs—Simmons Spur
Pond Values Used: April 2024
Region: Astoria, Forest Grove, and Tillamook
Western red cedar and other cedars stumpage price = $1,300/MBF - $383.39/MBF = $916.61/MBF
Western hemlock and true firs stumpage price = $545/MBF - $383.39/MBF =$161.61/MBF
Sitka Spruce and other spruce stumpage price = $496/MBF – $383.39/MBF = $112.61/MBF
Bigleaf maple stumpage price = Red alder price = 103.98/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
BRAND AND PAINT ALLOWANCE = $2.00/ MBF

Other costs with profit and risk added:
Non-Project #1 & #2: $210/station x 10+50 = $2,205
Machine time to block/waterbar dirt roads and skid trails: 4 x $100/spur = $400

TOTAL Other Costs with profit and risk to be added = $2,605

Other Costs with no Profit and Risk Added:
Heliport Construction: $200/unit x 3 unit = $600
Move-in Machine Cleaning: $1,000/machine x 2 machines x 2 season = $4,000
Tail hold dozer move-in: $1,000/machine x 2 machines = $2,000

Slash piling and sorting (Cable Settings): $20/ac x 143ac. = $2,865

TOTAL Other Costs with no Profit and Risk added = $9,465

ODF Road Maintenance
Spot Rocking: 20cy/MMBF/mile x 5.650 MMBF x $11/cy x 7 miles /5,650 MBF = $1.54/MBF
Interim Grading and Excavation: $1,150/mile x 7 miles x 2 times/ 5,650 MBF = $2.85/MBF
Final Maintenance Grading and Excavation: $1,500/mile x 7 miles/ 5,650 MBF = $1.85/MBF
Final Maintenance Compaction: $1,000/mile x 7 miles/5,650 MBF = $1.23/MBF
Total Road Maintenance: = $7.47/MBF

Timber Sale Appraisal
Simmons Spur
Sale TL-341-2025-W01049-02

District: Tillamook **Date: April 25, 2024**

Logging Conditions

Combination#: 1

Douglas - Fir	70.14%
Alder (Red)	68.07%

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

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

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

loads / day: 7 **bd. ft / load:** 4000

cost / mbf: $306.39

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

Combination#: 2

Douglas - Fir	29.86%
Alder (Red)	31.93%

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

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

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

loads / day: 18 **bd. ft / load:** 4000

cost / mbf: $138.89

machines: Forwarder
Harvester

Timber Sale Appraisal
Simmons Spur
Sale TL-341-2025-W01049-02

District: Tillamook **Date: April 25, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	4%
Project Costs:	$128,850.00	**Other Costs (P/R):**	$2,605.00
Slash Disposal:	$0.00	**Other Costs:**	$9,465.00

Miles of Road

Road Maintenance: $7.47

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	4.2
Alder (Red)	$0.00	3.0	3.4

Timber Sale Appraisal
Simmons Spur
Sale TL-341-2025-W01049-02

District: Tillamook

Date: April 25, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$256.37	$7.47	$1.55	$99.21	$0.46	$14.60	$0.00	$2.00	$1.68	$383.34
Alder (Red)									
$252.91	$7.47	$1.55	$122.55	$0.46	$15.40	$0.00	$2.00	$1.68	$404.02

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$772.48	$389.14	$0.00
Alder (Red)	$0.00	$508.00	$103.98	$0.00

Timber Sale Appraisal
Simmons Spur
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District: Tillamook **Date: April 25, 2024**

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	5,384	$389.14	$2,095,129.76
Alder (Red)	266	$103.98	$27,658.68

Gross Timber Sale Value

Recovery: $2,122,788.44

Prepared By: Andrew Ayres **Phone:** 503-815-7041

PROJECT SUMMARY SHEET

Sale: Simmons Spur

CONSTRUCTION

Point	C to D	11+60	stations =	$5,340.21
Point	E to F	4+50	stations =	$1,647.20
Point	M to N	2+15	stations =	$2,020.40
Point	O to P	10+25	stations =	$16,568.15
			SUBTOTAL CONSTRUCTION	**$25,575.96**

IMPROVEMENT

Point	A to B	201+00	stations =	$25,085.65
Point	C to D	4+90	stations =	$1,414.64
Point	G to H	16+90	stations =	$5,826.32
Point	I to J	61+50	stations =	$12,006.00
Point	K to L	9+20	stations =	$856.08
Point	M to N	3+60	stations =	$3,412.75
Point	Q to R	14+50	stations =	$17,816.15
			SUBTOTAL IMPROVEMENT	**$66,417.59**

SPECIAL PROJECTS

Project 2 Stream Enhancement	$20,000.00
Project 4. Incidental storm damage repair	$14,315.00
SUBTOTAL SPECIAL PROJECTS	**$34,315.00**

MOVE IN **$2,541.45**

GRAND TOTAL **$128,850.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **A to B**

Construction -	0+00	stations	Improvement -	201+00	stations
	0.00	miles		3.81	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Plucking Alder 269+90 to 322+75				2.450	acres	@	$1,415.00 per acre =	$3,466.75
							TOTAL CLEARING AND GRUBBING	**$3,466.75**

CULVERTS - MATERIALS & INSTALLATION

Culverts								
		60	LF of 18"	$1,515.00		40	LF of 24"	$1,530.00
Culvert Stakes & Markers								
		3	markers	$27.00				
							TOTAL CULVERTS	**$3,072.00**

ROCK

269+90 to	301+30	550	cy. of	Crushed	@	$11.00	per c.y.=	$6,050.00
Culvert Backfill	20 YD each	60	cy. of	Crushed	@	$10.01	per c.y.=	$600.60
Landing Rock	286+20	50	cy. of	Jaw-Run	@	$6.75	per c.y.=	$337.50
Fill Armor	94+55	10	cy. of	Riprap	@	$10.38	per c.y.=	$103.80
SpotRock/Turnaround	301+30 to B	150	cy. of	Jaw-Run	@	$6.75	per c.y.=	$1,012.50
*Roadside Landing	20 YD each	60	cy. of	Pit-Run	@	$8.90	per c.y.=	$534.00
							TOTAL ROCK	**$8,638.40**

SPECIAL PROJECTS

Construct ditchout @ 269+90 -	1.00	@	$65.00	each	$65.00
Grade and shape road -	201.00	stations @	$24.40	per station	$4,904.40
Construct 100' landing @ 286+20 -	1.00	@	$410.00	each	$410.00
Roll subgrade w/ vibratory roller prior to rocking -	201.00	stations @	$19.40	per station	$3,899.40
Remove culverts from state lands -	3.00	@	$512.20	total	$512.20
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00
Mulching -	0.100	acres @	$865.00	per acre	$86.50
				TOTAL SPECIAL PROJECTS	**$9,908.50**

GRAND TOTAL **$25,085.65**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **C to D**

Construction -	11+60	stations	Improvement -	4+90	stations	
	0.22	miles		0.09	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			
4+90		16+45	30%			$294	=	$3,395.70	
								TOTAL	**$3,395.70**

IMPROVEMENT: CLEARING AND GRUBBING -

Scattering	0.350	acres @	$1,415.00	per acre =	$495.25	
				TOTAL CLEARING AND GRUBBING		**$495.25**

IMPROVEMENT: EXCAVATION -

Road Earthwork	4.90	sta. @	$20.00	per sta. =	$98.00	
				TOTAL EXCAVATION		**$98.00**

ROCK

0+00	to	4+90	70	cy. of	Crushed	@	$9.58	per c.y.=	$670.60	
								TOTAL ROCK		**$670.60**

SPECIAL PROJECTS

Grade and shape road -	16.50	stations @	$24.40	per station	$402.60	
Construct landings 10+10, 12+20, Point D -	3.00	@	$410.00	each	$1,230.00	
Roll subgrade w/ vibratory roller prior to rocking -	16.50	stations @	$19.40	per station	$320.10	
Grass seed and fertilize -	0.46	acres @	$310.00	per acre	$142.60	
				TOTAL SPECIAL PROJECTS		**$2,095.30**

GRAND TOTAL **$6,754.85**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **E to F**

Construction -	4+50	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.09	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		4+50	30%			$294	=	$1,323.00

TOTAL **$1,323.00**

Grade and shape road -	4.50	stations @	$24.40	per station	$109.80	
Roll subgrade w/ vibratory roller prior to rocking -	4.50	stations @	$19.40	per station	$87.30	
Grass seed and fertilize -	0.41	acres @	$310.00	per acre	$127.10	
				TOTAL SPECIAL PROJECTS		**$324.20**

GRAND TOTAL **$1,647.20**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **G to H**

Construction -	0+00	stations	Improvement -	16+90	stations	
	0.00	miles		0.32	miles	

IMPROVEMENT: CLEARING AND GRUBBING -

Pluck and Scatter Alder	0.500	acres @	$1,415.00	per acre =	$707.50	
				TOTAL CLEARING AND GRUBBING		**$707.50**

IMPROVEMENT: EXCAVATION -

Road Earthwork	16.90	sta. @	$10.00	per sta. =	$169.00	
				TOTAL EXCAVATION		**$169.00**

CULVERTS - MATERIALS & INSTALLATION

Culverts						
			40	LF of 24"	$1,530.00	
Culvert Stakes & Markers						
1 markers	$9.00					
				TOTAL CULVERTS		**$1,539.00**

ROCK

0+00 to	16+90	210	cy. of	Crushed	@	$9.26	per c.y.=	$1,944.60	
Culv. Backfill/Bedding	10+35	20	cy. of	Crushed	@	$7.25	per c.y.=	$145.00	
Subgrade Base	10+35	50	cy. of	Pit-Run	@	$9.27	per c.y.=	$463.50	
							TOTAL ROCK		**$2,553.10**

SPECIAL PROJECTS

Grade and shape road -	16.90	stations @	$24.40	per station	$412.36	
Roll subgrade w/ vibratory roller prior to rocking -	16.90	stations @	$19.40	per station	$327.86	
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00	
Mulching -	0.100	acres @	$865.00	per acre	$86.50	
				TOTAL SPECIAL PROJECTS		**$857.72**

GRAND TOTAL **$5,826.32**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **I to J**

Construction -	0+00	stations	Improvement -	61+50	stations
	0.00	miles		1.16	miles

IMPROVEMENT: EXCAVATION -

Widening/Slough Removal				8	hr. @	$185.00	per hr.=	$1,480.00
							TOTAL EXCAVATION	**$1,480.00**

IMPROVEMENT: ENDHAUL -

Widening/Slough Removal	0+00	to	61+50	8	hr. @	$95.00	per hr.=	$760.00
							TOTAL ENDHAUL	**$764.40**

CULVERTS - MATERIALS & INSTALLATION

Culverts			
40	LF of 18"	$1,010.00	
Culvert Stakes & Markers			
1	markers	$9.00	
			TOTAL CULVERTS **$1,019.00**

ROCK

0+00 to	19+75	350	cy. of	Crushed	@	$10.75	per c.y.=	$3,762.50
Culvert Backfill	44+80	20	cy. of	Crushed	@	$8.58	per c.y.=	$171.60
Spot Rock	19+70to61+50	70	cy. of	Crushed	@	$11.17	per c.y.=	$781.90
Turn-around	61+50	30	cy. of	Pit-Run	@	$10.88	per c.y.=	$326.40
Leveling	33+20	30	cy. of	Pit-Run	@	$10.41	per c.y.=	$312.30
Subgrade Base	44+80	20	cy. of	Pit-Run	@	$10.60	per c.y.=	$212.00
							TOTAL ROCK	**$5,566.70**

SPECIAL PROJECTS

Grade and shape road -	61.50	stations @	$24.40	per station	$1,500.60
Roll subgrade w/ vibratory roller prior to rocking -	61.50	stations @	$19.40	per station	$1,193.10
Remove culverts from state lands -	1.00	@	$364.70	total	$364.70
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00
Mulching -	0.100	acres @	$865.00	per acre	$86.50
				TOTAL SPECIAL PROJECTS	**$3,175.90**

GRAND TOTAL **$12,006.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **K to L**

Construction -	0+00	stations	Improvement -	9+20	stations	
	0.00	miles		0.17	miles	

ROCK

Spot Rock	*	20	cy. of	Crushed	@	$9.16	per c.y.=	$183.20		
Landing Rock	9+15	40	cy. of	Pit-Run	@	$11.21	per c.y.=	$448.40		
								TOTAL ROCK		**$631.60**

SPECIAL PROJECTS

Grade and shape road -				9.20	stations @	$24.40	per station	$224.48	
							TOTAL SPECIAL PROJECTS		**$224.48**

GRAND TOTAL **$856.08**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **M to N**

Construction -	2+15	stations	Improvement -	3+60	stations	
	0.04	miles		0.07	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			
3+60		5+75	15%			$165	=	$354.75	
								TOTAL	**$354.75**

IMPROVEMENT: CLEARING AND GRUBBING -

Pluck and Scatter Alder					0.250	acres @	$1,415.00	per acre =	$353.75
								TOTAL CLEARING AND GRUBBING	**$353.75**

IMPROVEMENT: EXCAVATION -

Road Earthwork					3.60	sta. @	$75.00	per sta. =	$270.00
								TOTAL EXCAVATION	**$270.00**

ROCK

0+00	to	3+60	70	cy. of	Crushed	@	$10.05	per c.y.=	$703.50
3+60	to	5+75	190	cy. of	Pit-Run	@	$10.73	per c.y.=	$2,038.70
Landing Rock		5+75	80	cy. of	Pit-Run	@	$11.37	per c.y.=	$909.60
								TOTAL ROCK	**$3,651.80**

SPECIAL PROJECTS

Construct turnaround @ 3+60 -	1.00	@	$110.00	each	$110.00
Grade and shape road -	5.75	stations @	$24.40	per station	$140.30
Construct 70' landing @ 5+75 -	1.00	@	$410.00	each	$410.00
Roll subgrade w/ vibratory roller prior to rocking -	5.75	stations @	$19.40	per station	$111.55
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00
				TOTAL SPECIAL PROJECTS	**$802.85**

GRAND TOTAL **$5,433.15**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **O to P**

Construction -	10+25	stations	Improvement -	0+00	stations	
	0.19	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		10+25	30%			$294	=	$3,013.50	
								TOTAL	**$3,013.50**

ROCK

0+00	to	10+25	810	cy. of	Pit-Run	@	$13.11	per c.y.=	$10,619.10		
Landing Rock		2 locations	120	cy. of	Pit-Run	@	$11.46	per c.y.=	$1,375.20		
									TOTAL ROCK	**$11,994.30**	

SPECIAL PROJECTS

Construct landing 5+40, 10+25 -	2.00	@	$410.00	each	$820.00	
Grade and shape road -	10.25	stations @	$24.40	per station	$250.10	
Roll subgrade w/ vibratory roller prior to rocking -	10.25	stations @	$19.40	per station	$198.85	
Grass seed and fertilize -	0.94	acres @	$310.00	per acre	$291.40	
				TOTAL SPECIAL PROJECTS		**$1,560.35**

GRAND TOTAL **$16,568.15**

SUMMARY OF CONSTRUCTION COST

Sale: **Simmons Spur** Road: **Q to R**

Construction -	0+00	stations	Improvement -	14+50	stations	
	0.00	miles		0.27	miles	

IMPROVEMENT: CLEARING AND GRUBBING -

Alder Plucking and Scattering	1.330	acres @	$1,415.00	per acre =	$1,881.95	
				TOTAL CLEARING AND GRUBBING		**$1,881.95**

IMPROVEMENT: EXCAVATION -

Road Earthwork	14.50	sta. @	$75.00	per sta. =	$1,087.50	
				TOTAL EXCAVATION		**$1,087.50**

ROCK

0+00 to	14+35	800	cy. of	Pit-Run	@	$14.11	per c.y.=	$11,288.00	
Landing Rock	2 Locations	160	cy. of	Pit-Run	@	$12.46	per c.y.=	$1,993.60	
							TOTAL ROCK		**$13,281.60**

SPECIAL PROJECTS

Construct turnaround -	1.00	@	$110.00	each	$110.00	
Grade and shape road -	14.50	stations @	$24.40	per station	$353.80	
Construct landings @ 2+70, Point R -	2.00	@	$410.00	each	$820.00	
Roll subgrade w/ vibratory roller prior to rocking -	14.50	stations @	$19.40	per station	$281.30	
				TOTAL SPECIAL PROJECTS		**$1,565.10**

GRAND TOTAL **$17,816.15**

PIT-RUN COST SUMMARY

Pit:	4 Mile Toll			Location:	Sec.9 , T2S, R7W, W.M.			
Sale:	**Simmons Spur**				Road:			2400 c.y.
Swell:	1.40				Stockpile:			c.y.
Shirinkage	1.16				Total Truck Loads:			2400 c.y.
Handling Rock:		$1.20	/cu.yd.	x	2400	cu.yds.	=	$2,868.00
Load Dump Truck:		$1.20	/cu.yd.	x	2400	cu.yds.	=	$2,880.00
						Subtotal		$5,748.00
Move in Loader		1	@		$788.63	=		$788.63
Move in Trucks		5	@		$200.86	=		$1,004.30
						Subtotal		$1,792.93
						TOTAL PRODUCTION COSTS		$7,540.93
Base Cost=	$3.14	Per Cu.Yd.						

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 Fill Armor (Riprap)	5.04	2.20	3.14	10.38	10		$103.80
A to B *Roadside Landing (Pit-Run)	4.96	0.80	3.14	8.90	60		$534.00
G to H Subgrade Base (Pit-Run)	5.33	0.80	3.14	9.27	50		$463.50
I to J Turn-around (Pit-Run)	6.94	0.80	3.14	10.88	30		$326.40
I to J Leveling (Pit-Run)	6.47	0.80	3.14	10.41	30		$312.30
I to J Subgrade Base (Pit-Run)	6.66	0.80	3.14	10.60	20		$212.00
K to L Landing Rock (Pit-Run)	6.17	1.90	3.14	11.21	40		$448.40
M to N 360 575 (Pit-Run)	5.69	1.90	3.14	10.73	190		$2,038.70
M to N Landing Rock (Pit-Run)	6.33	1.90	3.14	11.37	80		$909.60
O to P 0 1025 (Pit-Run)	6.42	3.55	3.14	13.11	810		$10,619.10
O to P Landing Rock (Pit-Run)	6.42	1.90	3.14	11.46	120		$1,375.20
Q to R 0 1435 (Pit-Run)	7.42	3.55	3.14	14.11	800		$11,288.00
Q to R Landing Rock (Pit-Run)	7.42	1.90	3.14	12.46	160		$1,993.60
				Total C.Y.	2400	Sub Total	$30,624.60
						TOTAL ROCKING COSTS	$30,624.60

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Crushed	Location:	Sec.11 , T2S, R7W, W.M.
Sale:	**Simmons Spur**	Road:	1440 c.y.
Swell:	1.40		
Shirinkage	1.16	Total Truck Loads:	1440 c.y.
Drill Pct.:	0%		

Load Dump Truck: $1.20 /cu.yd. x 1440 cu.yds. = $1,728.00

Subtotal $1,728.00

Move in Roller and Compactor	1	@	$550.88	=	$550.88
Move in Grader	1	@	$763.71	=	$763.71
Move in Loader	1	@	$788.63	=	$788.63
Move in Trucks	3	@	$200.86	=	$602.58
Move in Water Truck	1	@	$200.86	=	$200.86
Change Gradation					

Subtotal $2,906.66

TOTAL PRODUCTION COSTS $4,634.66

Base Cost= $3.22 Per Cu.Yd.

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 26990 30130 (Crushed)	4.23	3.55	3.22	11.00	550		$6,050.00
A to B Culvert Backfill (Crushed)	5.14	1.65	3.22	10.01	60		$600.60
C to D 0 490 (Crushed)	2.81	3.55	3.22	9.58	70		$670.60
G to H 0 1690 (Crushed)	2.49	3.55	3.22	9.26	210		$1,944.60
G to H Culv. Backfill/Bedding (Crushed)	2.38	1.65	3.22	7.25	20		$145.00
I to J 0 1975 (Crushed)	3.98	3.55	3.22	10.75	350		$3,762.50
I to J Culvert Backfill (Crushed)	3.71	1.65	3.22	8.58	20		$171.60
I to J Spot Rock (Crushed)	4.40	3.55	3.22	11.17	70		$781.90
K to L Spot Rock (Crushed)	4.29	1.65	3.22	9.16	20		$183.20
M to N 0 360 (Crushed)	3.28	3.55	3.22	10.05	70		$703.50
				Total C.Y.	1440	Sub Total	$15,013.50

TOTAL ROCKING COSTS $15,013.50

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

Sale: **Simmons Spur**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
12.0	Pavement	30
8.0	Main Lines	7
4.0	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	Excavators (Large)	$916.13	1	$50.00	2.80	6.10	3.3	$165.00	$1,081.13
1	Tractor (D8)	$942.73	2	$16.75	2.80	6.10	3.3	$55.28	$998.01
1	Dump Truck (10 cy +)	$209.11		$3.25	2.80	6.10	3.3	$10.73	$219.84
1	Water Truck (2500 Gal)	$232.57		$3.00	2.80	6.10	3.3	$9.90	$242.47
					TOTAL MOVE-IN COSTS:				$2,541.45

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
Simmons Spur

Type of Sale

Regeneration harvest, Recovery

Legal Description

Sections 12 & 13, of T2S R7W. Tillamook County, W.M.
Sections 6 & 7 of T2S R6W. Tillamook County, W.M.

Sale Acreage

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

	ACRES	
	Gross	Net
Unit 1 (Modified Clearcut)	58	42
Unit 2 (Modified Clearcut)	93	70
Unit 3 (Modified Clearcut)	106	91
Total	257	203

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.

Cruising Procedures

A. Cruise Method

The timber sale was cruised using variable plot sampling. 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'
2	27.78	300' x 300'
3	33.61	300' x 300'

C. Grading System

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

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 Statistics (Board Foot Volumes)			
Unit	Acres	Number of Plots	SE (%)	CV (%)
1	42	22	9.5	43.4
2	70	30	4.3	23.3
3	91	28	5.9	30.7
Project Total	203	78	6.6	32.5

Hidden Defect and Breakage

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

Timber Description

Portions of the units were thinned during the Murphy Simms thin in 2002. The stands are Douglas-fir dominant.

Unit 1 was seeded in 1951 and is approximately 73 years old.

Unit 2 was seeded in 1951, 1961 and 1973. The majority of the unit is approximately 73 years old.

Unit 3 is a mixed aged stand seeded in 1951 and 1960. The majority of the unit is approximately 73 years old. Red Alder was not picked up in the cruise, however ocular observations indicate there is a small component within the unit.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)
1	73	Douglas-fir	21.5	81
		Red Alder	16.2	53
		Sitka Spruce	8.9	18
2	73	Douglas-fir	20.2	76
		Red alder	17.7	60
3	73	Douglas-fir	20.9	89

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

Cruiser /Dates

ODF Staff Cruised; Feb-March 2024

Revenue Distribution

BOF – 100%

Tax Code: 901

Deed Numbers: 196

Attachments

Volume Summary Table (3)

Stand Table (3)

Log Stock Table (3)

Species, Sort, Grade Table (3)

Logging Plan (3)

Stand and Log Stock Tables Species Key

DF - Douglas-fir
RA - Red alder
SS - Sitka spruce (reserved)

UNIT 1

Log Stock Table - MBF

Project: SIMMONS SPUR

T02S R07W S13 T0100

T02S R07W S13 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	07W	13	UNIT 1	0100	42.00	22	84

Page 1
Date 4/24/2024
Time 6:52:59AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		CO	2	40	556		556	70.4						92	70	218	130	28	18	
DF		CO	3	17	1		1	.1					1							
DF		CO	3	19	1		1	.1				1								
DF		CO	3	25	3		3	.4				3								
DF		CO	3	30	4		4	.5			4									
DF		CO	3	34	2		2	.2				2								
DF		CO	3	35	7		7	.9										7		
DF		CO	3	36	1		1	.1			1									
DF		CO	3	38	6		6	.7					6							
DF		CO	3	40	178		178	22.5			27	49	78	16		8				
DF		CO	4	12	1		1	.1			1									
DF		CO	4	13	1		1	.1		1										
DF		CO	4	14	1		1	.2			1									
DF		CO	4	15	1		1	.1		1	1									
DF		CO	4	16	2		2	.3			1	2								
DF		CO	4	19	3		3	.3		1		1	1							
DF		CO	4	20	3		3	.3		2		1								
DF		CO	4	21	1		1	.1			1									
DF		CO	4	22	1		1	.1			1									
DF		CO	4	23	1		1	.1			1									
DF		CO	4	26	5		5	.6		5										
DF		CO	4	27	1		1	.1			1									
DF		CO	4	28	4		4	.5		4										
DF		CO	4	30	4		4	.5		4										
DF		CO	4	34	2		2	.2		2										
DF		CO	4	36	2		2	.3		2										
DF		Totals			790		790	81.8		21	39	57	86	108	70	226	137	28	18	
RA		H	2	40	13		13	7.6						6		7				
RA		H	3	20	1		1	.3			1									
RA		H	3	27	7		7	4.0					7							
RA		H	3	33	3		3	1.8			3									
RA		H	3	36	2		2	.9			2									
RA		H	3	38	1		1	.5			1									
RA		H	3	40	110		110	64.4			22	51	12	11	14					
RA		H	4	13	2		2	1.0			2									
RA		H	4	14	1		1	.7			1									
RA		H	4	16	2		2	1.4			2									
RA		H	4	18	2		2	1.0			2									
RA		H	4	21	1		1	.8			1									
RA		H	4	22	1		1	.3			1									
RA		H	4	23	5		5	3.1			5									
RA		H	4	24	1		1	.7			1									
RA		H	4	25	2		2	1.3			2									
RA		H	4	26	1		1	.3			1									
RA		H	4	27	2		2	1.0			2									
RA		H	4	29	2		2	1.0			2									
RA		H	4	34	3		3	1.8			3									
RA		H	4	38	3		3	1.7			3									
RA		H	4	40	8		8	4.4			3		5							

TC TLOGSTVB

Log Stock Table - MBF

Project: SIMSPUR

T02S R07W S13 T0100

T02S R07W S13 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	07W	13	UNIT 1	0100	42.00	22	84

Page 2
Date 4/24/2024
Time 6:52:59AM

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	40+
RA		Totals			171		171	17.7			58	51	24	17	14	7				
SS		CO	4	15	4		4	100.0	4											
SS		Totals			4		4	.5	4											
Total All Species					966		966	100.0	25		97	108	110	126	84	233	137	28	18	

UNIT 1

Species, Sort Grade - Board Foot Volumes (Type)

Project: SIMMONS SPUR

Date 4/24/2024

Time 6:53:00AM

T02S R07W S13 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	13	UNIT 1	0100	42.00	22	84	S	W

T02S R07W S13 T0100

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CO	2	70		13,246	13,246	556			38	62				100	40	16	437	2.32	30.3
DF		CO	3	26		4,811	4,811	202		85	12	4	1	4	4	92	39	9	122	0.90	39.3
DF		CO	4	4		752	752	32	66	34			35	51	6	8	23	6	29	0.38	26.3
DF	**Totals**			82		18,809	18,809	790	3	23	30	44	2	3	1	94	35	10	196	1.32	95.9
RA		H	2	7		311	311	13			49	51				100	40	14	317	1.86	1.0
RA		H	3	72		2,933	2,933	123		80	20		0	6	3	91	38	8	105	0.92	28.0
RA		H	4	21		831	831	35		100			20	41	9	30	24	6	36	0.63	23.3
RA	**Totals**			18		4,076	4,076	171		78	18	4	4	12	4	80	32	8	78	0.84	52.3
SS		CO	4	100		104	104	4	100				100				15	5	20	0.24	5.2
SS	**Totals**			0		104	104	4	100				100				15	5	20	0.24	5.2
Type Totals						22,989	22,989	966	3	33	28	37	2	5	2	91	33	9	150	1.15	153.4

UNIT 1

Stand Table Summary

Project **SIMMONS SPUR**

T02S R07W S13 T0100

T02S R07W S13 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	07W	13	UNIT 1	0100	42.00	22	84

Page: 1
Date: 04/24/202
Time: 6:53:01AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		11	1	83	36	3.901	2.57	3.90	8.9	30.0	.99	35	117	41	15	5
DF		14	2	80	81	4.816	5.15	7.22	21.0	70.0	4.32	152	506	181	64	21
DF		15	3	85	96	5.012	6.15	10.02	20.8	80.8	5.94	209	810	250	88	34
DF		17	2	88	91	2.768	4.36	5.54	26.7	100.9	4.22	148	558	177	62	23
DF		18	1	89	110	1.012	1.79	2.02	34.1	135.0	1.97	69	273	83	29	11
DF		19	3	85	101	3.124	6.15	7.16	31.0	115.5	6.32	222	826	265	93	35
DF		20	5	88	108	5.540	12.09	11.08	41.3	159.8	13.03	457	1,770	547	192	74
DF		22	2	89	118	1.652	4.36	4.96	38.8	173.0	5.48	192	858	230	81	36
DF		23	2	87	111	1.239	3.58	3.10	45.4	186.0	4.01	141	576	169	59	24
DF		24	4	89	118	2.777	8.72	7.76	48.1	219.2	10.63	373	1,701	446	157	71
DF		26	7	85	116	4.248	15.66	11.56	56.4	239.7	18.59	652	2,771	781	274	116
DF		27	6	86	115	3.094	12.30	7.73	62.9	273.7	13.87	487	2,117	582	204	89
DF		30	2	85	128	.889	4.36	2.67	75.5	350.3	5.74	201	934	241	85	39
DF		31	3	83	125	1.473	7.72	3.93	87.1	390.0	9.75	342	1,532	410	144	64
DF		32	2	82	118	.922	5.15	2.30	92.2	400.0	6.05	212	922	254	89	39
DF		33	2	87	120	.734	4.36	2.20	87.4	420.6	5.49	193	927	231	81	39
DF		34	1	85	141	.408	2.57	1.22	105.9	523.3	3.70	130	641	155	54	27
DF		36	1	82	122	.253	1.79	.76	102.2	476.7	2.21	78	362	93	33	15
DF		43	1	89	122	.255	2.57	.77	148.5	793.3	3.24	114	608	136	48	26
DF		Totals	50	85	100	44.116	111.42	95.91	45.9	196.1	125.54	4,405	18,809	5,273	1,850	790
RA		10	1	78	48	3.334	1.82	3.33	8.5	30.0	.78	28	100	33	12	4
RA		11	1	82	116	1.913	1.26	3.83	11.1	45.0	1.17	43	172	49	18	7
RA		13	3	84	80	4.712	4.34	8.05	16.1	57.6	3.57	130	464	150	54	19
RA		14	2	74	95	3.402	3.64	5.10	22.8	63.3	3.20	116	323	134	49	14
RA		15	5	76	89	6.050	7.42	10.62	22.9	76.8	6.70	244	815	281	102	34
RA		16	5	74	87	4.920	6.87	8.93	25.3	70.7	6.21	226	632	261	95	27
RA		17	2	66	60	1.955	3.08	1.95	43.3	64.1	2.33	85	125	98	36	5
RA		18	2	77	62	1.743	3.08	1.74	47.1	102.3	2.26	82	178	95	35	7
RA		19	3	69	89	2.206	4.34	3.49	45.6	110.4	4.37	159	385	184	67	16
RA		21	1	72	51	.756	1.82	.76	63.1	70.0	1.31	48	53	55	20	2
RA		23	1	74	86	.438	1.26	.88	35.1	115.0	.84	31	101	35	13	4
RA		24	1	86	98	.402	1.26	.80	36.2	135.0	.80	29	109	34	12	5
RA		26	3	81	69	1.178	4.34	2.01	56.5	189.0	3.13	114	381	131	48	16
RA		27	1	85	68	.457	1.82	.46	104.1	360.0	1.31	48	165	55	20	7
RA		33	1	72	85	.306	1.82	.31	71.2	240.0	.60	22	73	25	9	3
RA		Totals	32	76	81	33.772	48.18	52.27	26.8	78.0	38.58	1,403	4,076	1,620	589	171
SS		8	1	68	21	5.209	1.82	5.21	3.6	20.0	.49	19	104	21	8	4
SS		11	1	74	36	1.913	1.26									
SS		Totals	2	70	25	7.122	3.08	5.21	3.6	20.0	0.49	19	104	21	8	4
Totals			84	81	86	85.010	162.68	153.38	38.0	149.9	164.62	5827	22,989	6,914	2,447	966

UNIT 2

Log Stock Table - MBF

Project: SIMMONS SPUR

T02S R07W S12 T0100

T02S R07W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	07W	12	473	0100	70.00	30	123

Page 1
Date 4/30/2024
Time 6:44:05AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		CO	2	30	17		17	.9										17		
DF		CO	2	40	1,305	.6	1,297	68.7					10	199	309	478	252	50		
DF		CO	3	22	1		1	.1						1						
DF		CO	3	25	1		1	.1				1								
DF		CO	3	27	2		2	.1				2								
DF		CO	3	30	12	6.8	11	.6			1		10							
DF		CO	3	31	1		1	.1			1									
DF		CO	3	32	7		7	.4			7									
DF		CO	3	34	3		3	.2			3									
DF		CO	3	35	2		2	.1			2									
DF		CO	3	36	2		2	.1			2									
DF		CO	3	40	424	.9	420	22.2			85	115	201	9	10					
DF		CO	4	12	8		8	.4		1		1						6		
DF		CO	4	13	3		3	.1		1	1									
DF		CO	4	14	2		2	.1			1	1								
DF		CO	4	15	4		4	.2		3		1								
DF		CO	4	16	6	7.9	5	.3		2	2	1								
DF		CO	4	17	1		1	.1		1		1								
DF		CO	4	18	1		1	.1				1								
DF		CO	4	19	3		3	.1		1	2									
DF		CO	4	20	4		4	.2		3	1									
DF		CO	4	21	4		4	.2		2	2									
DF		CO	4	22	2		2	.1			2									
DF		CO	4	23	8		8	.4		7		1								
DF		CO	4	24	8		8	.4		6	1	1								
DF		CO	4	25	1		1	.1			1									
DF		CO	4	26	7		7	.4		7										
DF		CO	4	29	8		8	.4		8										
DF		CO	4	32	2		2	.1		2										
DF		CO	4	33	4		4	.2		4										
DF		CO	4	34	2		2	.1		2										
DF		CO	4	35	4		4	.2		4										
DF		CO	4	36	13		13	.7		13										
DF		CO	4	37	2		2	.1		2										
DF		CO	4	38	3		3	.2		3										
DF		CO	4	40	20		20	1.1		20										
DF		CO	4	41	3		3	.2				3								
DF		Totals			1,903		1,889	95.0		93	115	129	222	208	319	478	258	67		
RA		H	2	26	7	7.7	6	6.2						6						
RA		H	3	32	3		3	2.6			3									
RA		H	3	40	62	2.4	61	61.3			11	6	22	10		12				
RA		H	4	12	1		1	.6			1									
RA		H	4	26	1		1	1.2			1									
RA		H	4	28	3		3	2.7			3									
RA		H	4	31	2		2	1.9			2									
RA		H	4	40	19	5.5	18	18.1				18								
RA		H	4	14	2	50.0	1	.8			1									
RA		H	4	15	2		2	2.1			2									
RA		H	4	35	3		3	2.6			3									

TC TLOGSTVB

Log Stock Table - MBF

Project: **SIMSPUR**

T02S R07W S12 T0100

T02S R07W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	**07W**	**12**	**473**	**0100**	**70.00**	30	123

Date **4/30/2024**

Time **6:44:05AM**

Spp	S T	So Gr rt de	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA		Totals		103	3.7	100	5.0			26	24	22	16		12				
Total All Species				2,006		1,989	100.0		93	141	153	244	224	319	490	258	67		

UNIT 2

Species, Sort Grade - Board Foot Volumes (Type)

Project: SIMMONS SPUR

Page 1
Date 4/30/2024
Time 6:44:06AM

T02S R07W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	07W	12	473	0100	70.00	30	123	S	W

T02S R07W S12 T0100

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CO	2	69	.6	18,894	18,775	1,314		1	49	50		1		99	40	16	392	2.23	47.8
DF		CO	3	24	1.0	6,514	6,448	451		96	4			4	3	94	39	9	110	0.79	58.8
DF		CO	4	7	.4	1,776	1,770	124	75	20		5	25	31	10	34	26	6	31	0.39	56.3
DF	**Totals**			95	.7	27,184	26,992	1,889	5	25	35	35	2	4	1	93	35	10	166	1.17	163.0
RA		H	2	6	7.7	95	88	6			100			100			26	12	120	1.71	.7
RA		H	3	64	2.3	929	908	64		65	35				4	96	39	9	131	0.97	6.9
RA		H	4	24	4.1	363	348	24		100			2	16	8	74	31	7	59	0.67	5.9
RA		H	4	6	12.8	89	78	5		100			53		47		19	6	23	0.46	3.4
RA	**Totals**			5	3.7	1,477	1,422	100		71	29		3	10	7	79	32	8	84	0.83	16.9
Type Totals					.9	28,661	28,414	1,989	5	27	35	33	2	4	2	93	35	9	158	1.14	179.9

UNIT 2

Stand Table Summary

Project **SIMMONS SPUR**

T02S R07W S12 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	07W	12	473	0100	70.00	30	123

T02S R07W S12 T0100

Date: 04/30/202

Time: 6:44:07AM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		9	1	78	47	3.582	1.58	3.58	6.6	20.0	.68	24	72	48	17	5
DF		10	3	79	50	8.705	4.75	8.71	8.9	33.3	2.21	78	290	155	54	20
DF		11	2	82	83	4.796	3.17	7.19	11.8	40.0	2.43	85	288	170	60	20
DF		12	1	83	112	2.015	1.58	4.03	13.5	50.0	1.55	54	202	108	38	14
DF		13	1	88	138	1.717	1.58	3.43	17.9	90.0	1.76	62	309	123	43	22
DF		14	2	87	120	2.961	3.17	5.92	20.6	92.5	3.48	122	548	243	85	38
DF		15	1	92	104	1.290	1.58	2.58	23.0	95.0	1.69	59	245	118	41	17
DF		16	6	83	97	6.801	9.50	13.60	23.5	84.2	9.12	320	1,145	639	224	80
DF		17	4	84	105	4.016	6.33	9.04	25.7	93.3	6.61	232	843	463	162	59
DF		18	1	83	98	.896	1.58	1.79	31.4	110.0	1.60	56	197	112	39	14
DF		19	6	85	104	4.823	9.50	11.25	30.6	107.9	9.81	344	1,214	687	241	85
DF		20	2	87	100	1.451	3.17	2.90	39.1	145.0	3.24	114	421	226	79	29
DF		21	6	86	108	3.948	9.50	9.21	39.2	147.9	10.29	361	1,362	720	253	95
DF		22	11	84	106	6.595	17.41	15.59	41.2	152.3	18.32	643	2,374	1,283	450	166
DF		23	7	84	109	3.840	11.08	9.32	46.2	177.1	12.29	431	1,651	860	302	116
DF		24	6	84	113	3.023	9.50	7.56	49.2	194.7	10.61	372	1,471	742	260	103
DF		25	8	85	117	3.714	12.66	9.29	55.5	228.5	14.68	515	2,122	1,028	361	149
DF		26	4	87	136	1.717	6.33	5.58	53.2	247.7	8.46	297	1,382	593	208	97
DF		27	8	85	126	3.184	12.66	8.36	65.8	282.4	15.67	550	2,360	1,097	385	165
DF		28	4	85	125	1.480	6.33	4.07	60.3	260.0	6.99	245	1,059	490	172	74
DF		29	4	89	119	1.380	6.33	3.45	69.0	329.0	6.79	238	1,135	475	167	79
DF		30	6	83	118	1.934	9.50	4.51	84.0	342.1	10.80	379	1,544	756	265	108
DF		31	4	86	116	1.208	6.33	3.02	83.7	380.0	7.20	253	1,147	504	177	80
DF		32	3	82	121	.850	4.75	2.55	78.2	331.1	5.69	199	844	398	140	59
DF		33	3	83	125	.799	4.75	2.40	85.7	375.6	5.86	206	901	410	144	63
DF		34	3	87	123	.753	4.75	2.26	93.6	455.6	6.02	211	1,029	422	148	72
DF		35	2	75	137	.474	3.17	1.18	102.3	400.0	3.45	121	474	242	85	33
DF		38	1	77	167	.201	1.58	.60	131.6	603.3	2.26	79	364	158	56	25
DF		Totals	110	84	100	78.152	174.09	162.98	40.8	165.6	189.55	6,651	26,992	13,269	4,656	1,889
RA		14	1	82	85	1.496	1.60	2.99	16.2	50.0	1.34	49	150	93	34	10
RA		15	2	78	92	2.607	3.20	3.91	21.5	83.3	2.31	84	326	162	59	23
RA		16	1	86	74	1.146	1.60	2.29	20.6	65.0	1.30	47	149	91	33	10
RA		17	1	78	88	1.015	1.60	1.01	21.1	70.0	.59	21	71	41	15	5
RA		19	1	81	68	.812	1.60	1.62	29.5	75.0	1.32	48	122	92	34	9
RA		20	2	66	70	1.466	3.20	2.20	28.4	73.3	1.72	62	161	120	44	11
RA		21	2	82	82	1.330	3.20	1.99	41.8	126.7	2.29	83	253	160	58	18
RA		26	1	85	81	.434	1.60	.87	61.6	220.0	1.47	53	191	103	37	13
RA		Totals	11	79	82	10.306	17.59	16.89	26.5	84.2	12.33	448	1,422	863	314	100
OC		16	1	62	98	.663	.93									
OC		25	1	87	106	.272	.93									
OC		Totals	2	69	100	.935	1.85									
Totals			123	83	98	89.393	193.53	179.88	39.5	158.0	201.88	7099	28,414	14,131	4,969	1,989

UNIT 3

Log Stock Table - MBF

Project: SIMMONS SPUR

T02S R06W S07 T0100

T02S R06W S07 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	06W	07	476	0100	91.00	28	90

Page 1
Date 4/23/2024
Time 2:27:11PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		CO	2	40	1,869	.2	1,866	67.6					31	261	607	734	233			
DF		CO	3	25	8		8	.3				8								
DF		CO	3	32	8		8	.3			5	3								
DF		CO	3	40	772		772	28.0			115	225	377	28		27				
DF		CO	4	12	5		5	.2		4	2									
DF		CO	4	13	5		5	.2		1	2	2								
DF		CO	4	14	8		8	.3		5	2	1								
DF		CO	4	15	1		1	.1		1										
DF		CO	4	16	2		2	.1		2										
DF		CO	4	17	8		8	.3		1	7									
DF		CO	4	18	1		1	.0		1										
DF		CO	4	19	5		5	.2		1	3	2								
DF		CO	4	20	4		4	.2		4										
DF		CO	4	21	1		1	.1			1									
DF		CO	4	22	1		1	.0		1										
DF		CO	4	23	2		2	.1			2									
DF		CO	4	24	2		2	.1		2										
DF		CO	4	25	4		4	.1		2	2									
DF		CO	4	26	3		3	.1		3										
DF		CO	4	27	7		7	.2			7									
DF		CO	4	28	2		2	.1			2									
DF		CO	4	30	15		15	.6		15										
DF		CO	4	31	2		2	.1			2									
DF		CO	4	40	27		27	1.0		27										
DF		Totals			2,764		2,760	100.0		72	151	239	408	289	607	761	233			
Total All Species					2,764		2,760	100.0		72	151	239	408	289	607	761	233			

UNIT 3

Species, Sort Grade - Board Foot Volumes (Type)

Project: SIMMONS SPUR

Date 4/23/2024

Time 2:27:11PM

T02S R06W S07 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
02S	06W	07	476	0100	91.00	28	90	S	W

T02S R06W S07 T0100

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CO	2	67	.2	20,543	20,501	1,866		2	57	41				100	40	15	368	2.00	55.7
DF		CO	3	29		8,652	8,652	787		93	4	3		1	1	98	40	9	119	0.81	73.0
DF		CO	4	4		1,177	1,177	107	67	33			38	35	2	25	23	6	25	0.34	46.4
DF	**Totals**			100	.1	30,372	30,330	2,760	3	29	40	29	1	2	0	97	35	10	173	1.16	175.1
Type Totals					.1	30,372	30,330	2,760	3	29	40	29	1	2	0	97	35	10	173	1.16	175.1

UNIT 3

Stand Table Summary

Project **SIMMONS SPUR**

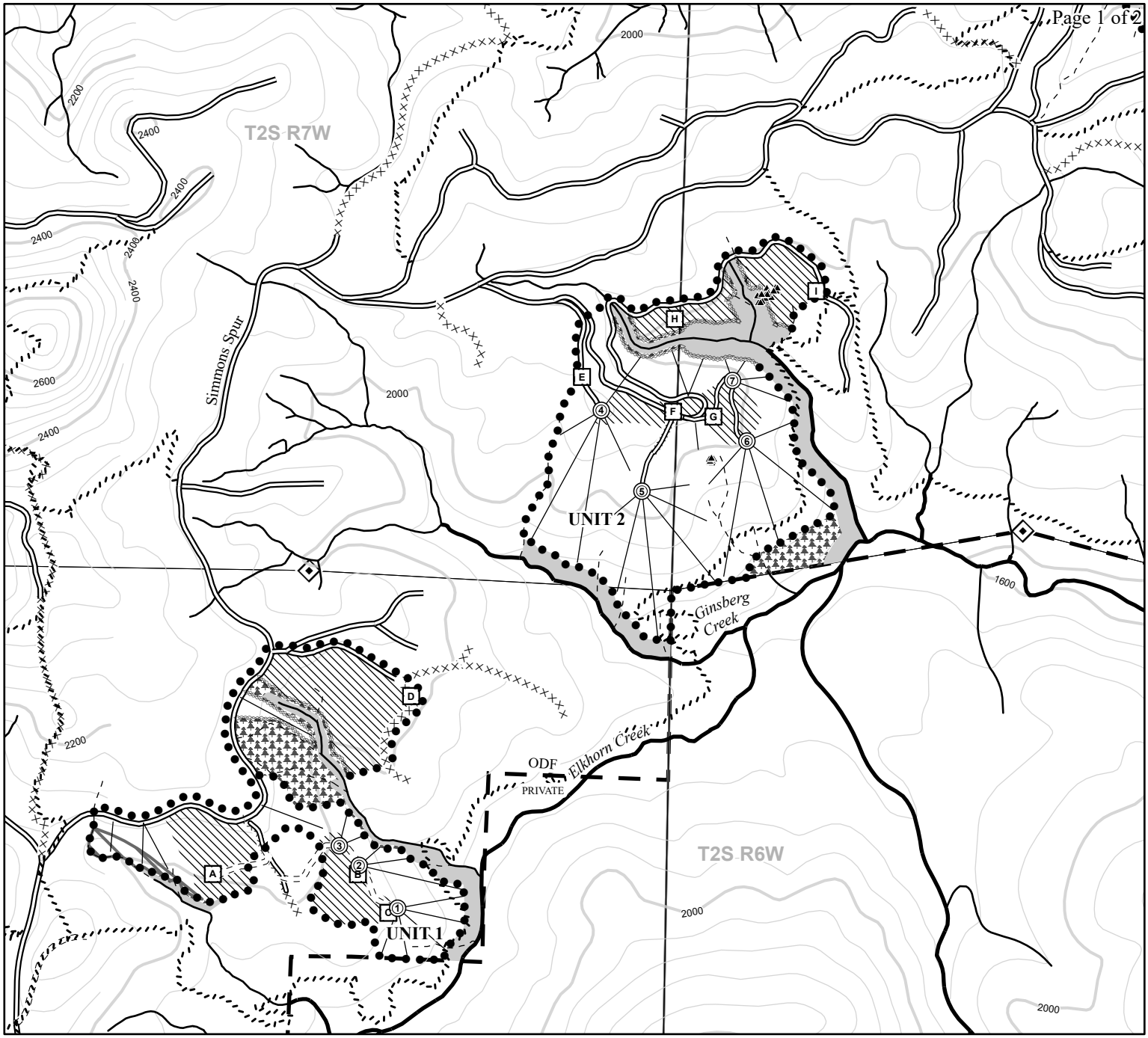
T02S R06W S07 T0100

T02S R06W S07 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
02S	06W	07	476	0100	91.00	28	90

Page: 1
Date: 04/23/202
Time: 2:27:12PM

Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		8	1	77	62	5.641	1.97	5.64	7.3	30.0	1.17	41	169	107	37	15
DF		13	1	89	113	2.136	1.97	4.27	18.1	80.0	2.20	77	342	200	70	31
DF		14	1	83	77	1.842	1.97	3.68	14.8	40.0	1.55	54	147	141	50	13
DF		16	5	83	100	7.051	9.85	14.10	22.3	84.0	8.97	315	1,185	816	286	108
DF		17	6	86	111	7.495	11.81	14.99	29.3	117.5	12.54	440	1,761	1,141	400	160
DF		18	3	84	112	3.343	5.91	6.69	33.3	125.0	6.34	222	836	577	202	76
DF		19	7	87	119	7.001	13.78	19.00	30.2	123.2	16.38	575	2,340	1,491	523	213
DF		20	2	84	121	1.805	3.94	4.51	35.7	134.0	4.59	161	605	418	147	55
DF		21	6	87	116	4.912	11.81	12.28	38.9	163.3	13.61	477	2,006	1,238	434	183
DF		22	12	88	114	8.951	23.63	23.12	40.8	172.9	26.90	944	3,998	2,448	859	364
DF		23	3	85	111	2.047	5.91	5.46	43.6	181.3	6.78	238	990	617	216	90
DF		24	12	85	124	7.522	23.63	20.68	48.9	206.1	28.83	1,012	4,262	2,624	921	388
DF		25	1	82	116	.578	1.97	1.16	66.4	260.0	2.19	77	300	199	70	27
DF		26	9	86	125	4.807	17.72	14.42	54.0	238.1	22.21	779	3,434	2,021	709	313
DF		27	7	86	131	3.467	13.78	9.90	62.7	280.0	17.69	621	2,773	1,610	565	252
DF		28	2	84	127	.921	3.94	2.76	61.8	266.7	4.87	171	737	443	155	67
DF		29	5	86	137	2.146	9.85	6.01	76.2	357.1	13.05	458	2,146	1,188	417	195
DF		30	2	82	133	.802	3.94	2.41	74.8	346.7	5.13	180	834	467	164	76
DF		32	2	84	124	.705	3.94	2.12	74.2	343.3	4.47	157	726	407	143	66
DF		33	1	86	125	.332	1.97	.99	86.7	393.3	2.46	86	391	224	78	36
DF		34	1	83	117	.312	1.97	.94	86.3	370.0	2.31	81	347	210	74	32
DF		Totals	89	85	112	73.817	175.25	175.15	40.9	173.2	204.22	7,166	30,330	18,584	6,521	2,760
OC		23	1	87	78	.416	1.20									
OC		Totals	1	87	78	.416	1.20									
Totals			90	85	112	74.233	176.45	175.15	40.9	173.2	204.22	7166	30,330	18,584	6,521	2,760



Legend

- Ground
- Landing To Be Constructed
- Cable Logging
- Riparian Boundary
- Timber Sale Boundary
- Ground Based
- Riparian Buffer
- Green Tree Retention
- Early Felling Area
- Recreation Trail
- Surfaced Road
- Unsurfaced Road
- Blocked Road
- Type-F Stream
- Type-N Stream - Perennial
- Type-N Stream - Seasonal
- Sections
- 200' Contour
- 40' Contour
- Property Line
- Reserve Timber
- Corners

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01049-02
SIMMONS SPUR
PORTIONS OF SECTIONS 12 & 13, of T2S R7W & of 6 & 7 T2S R6W W.M.
TILLAMOOK COUNTY, OREGON

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Tillamook District GIS
APRIL 2024
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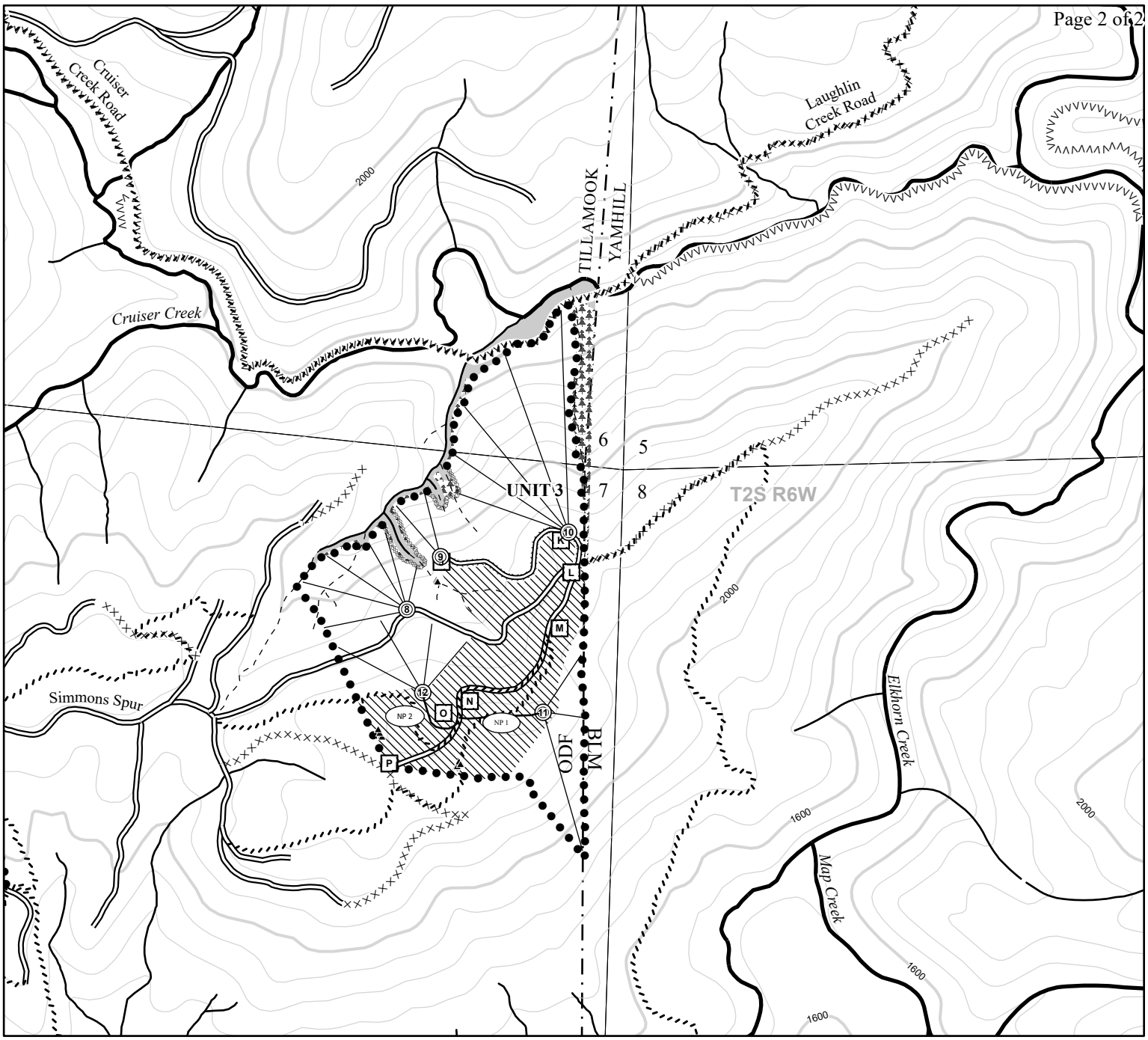
1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	16	26	42
UNIT 2	13	57	70
UNIT 3	31	60	91
TOTAL	60	143	203



Legend

- Ground
- Landing To Be Constructed
- Cable Logging
- Riparian Boundary
- Timber Sale Boundary
- Ground Based
- Riparian Buffer
- Green Tree Retention
- Recreation Trail
- Surfaced Road
- ××× Blocked Road
- vvv Abandoned Road
- Type-F Stream
- Type-N Stream - Perennial
- Type-N Stream - Seasonal
- Sections
- 200' Contour
- 40' Contour
- Non-Project
- Property Line
- ▲ Reserve Timber

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01049-02
SIMMONS SPUR
PORTIONS OF SECTIONS 12 & 13, of T2S R7W & of 6 & 7 T2S R6W W.M.
TILLAMOOK COUNTY, OREGON

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1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	16	26	42
UNIT 2	13	57	70
UNIT 3	31	60	91
TOTAL	60	143	203