Timber Sale Appraisal
Archer's Road

Sale TL-341-2025-W01114-02

District: Tillamook **Date: January 14, 2025**

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$5,060,131.54	$98,027.44	$5,158,158.98
		Project Work:	($346,330.00)
		Advertised Value:	$4,811,828.98

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District: Tillamook **Date: January 14, 2025**

Timber Description

Location: Section(s) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W, Section(s) 19 of T1N R6W W.M.

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	21	0	100
Western Hemlock / Fir	10	0	100
Alder (Red)	16	0	100
Maple	14	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	8,850	3,709	0	12,559
Western Hemlock / Fir	0	4	0	4
Sitka Spruce	0	0	0	0
Red Cedar	0	0	0	0
Alder (Red)	0	0	892	892
Maple	0	0	76	76
Total	8,850	3,713	968	13,531

Comments: Additional Costs – Archer's Road

Pond Values Used: January 2025
Region: Astoria, Forest Grove, and Tillamook
Western red cedar and other cedars stumpage price = $1,285/MBF - $327.94/MBF =$957.06MBF
Spruce and other conifer stumpage price = $520.00/MBF - $327.94/MBF = $192.06/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 and Unsurfaced Road Blocking: 5 Closures @ $100/Closure = $500
WATER DIVERTER REPLACEMENT 10 DIVERTERS x $400.00/DIVERTER = $4,000

TOTAL Other Costs with profit and risk to be added = $4,500

Other Costs without Profit and Risk Added:
Slash piling and sorting (Cable Settings): $10/ac x 338 ac. = $3,380
Heliport Construction: $200/unit x 4 unit = $800
Move-in Machine Cleaning: $1,000/machine x 3 machines x 1 season = $3,000
Tailhold OR guybacks dozer move-in: $1,000/machine x 3 machines = $3,000

TOTAL Other Costs without Profit and Risk added = $10,180

ODF Road Maintenance
Spot Rocking: 20cy/MMBF/mile x 13.531 MMBF x $9.50/cy x 9 miles /13,531 MBF = $1.71/MBF
Interim Grading: $1,150/mile x 9 miles x 2 times/ 13,531 MBF = $1.53/MBF
Final Maintenance Grading: $1,500/mile x 9 miles/ 13,531 MBF = $1.00/MBF
Final Maintenance Compaction: $1,000/mile x 4 miles/13,531 MBF = $0.30/MBF
Total Road Maintenance: = $4.54/MBF

Logging Conditions

Combination#: 1

Douglas - Fir	23.63%
Alder (Red)	8.49%

Logging System: Cable: Large Tower >=70
Process: Harvester Head Delimbing
yarding distance: Medium (800 ft)
downhill yarding: No
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 14
bd. ft / load: 3800
cost / mbf: $161.26
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Large)

Combination#: 2

Douglas - Fir	57.99%
Western Hemlock / Fir	100.00%
Alder (Red)	85.37%
Maple	100.00%

Logging System: Cable: Large Tower >=70
Process: Harvester Head Delimbing
yarding distance: Long (1,500 ft)
downhill yarding: No
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 10
bd. ft / load: 3800
cost / mbf: $225.76
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Large)

Combination#: 3

Douglas - Fir	18.38%
Alder (Red)	6.14%

Logging System: Shovel
Process: Harvester Head Delimbing
yarding distance: Medium (800 ft)
downhill yarding: No
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 20
bd. ft / load: 3800
cost / mbf: $131.58
machines: Forwarder
Harvester

Logging Costs

Operating Seasons: 2.00

Profit Risk: 10%

Project Costs: $346,330.00

Other Costs (P/R): $4,500.00

Slash Disposal: $0.00

Other Costs: $10,180.00

Miles of Road

Road Maintenance: $4.54

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	4.3
Western Hemlock / Fir	$0.00	3.0	4.6
Alder (Red)	$0.00	3.0	3.5
Maple	$0.00	3.0	4.8

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District: Tillamook **Date: January 14, 2025**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$193.21	$4.54	$0.65	$96.90	$0.33	$29.56	$0.00	$2.00	$0.75	$327.94
Western Hemlock / Fir									
$225.76	$4.54	$0.65	$90.58	$0.33	$32.19	$0.00	$2.00	$0.75	$356.80
Alder (Red)									
$214.50	$4.54	$0.65	$119.05	$0.33	$33.91	$0.00	$2.00	$0.75	$375.73
Maple									
$225.76	$4.54	$0.65	$86.81	$0.33	$31.81	$0.00	$2.00	$0.75	$352.65

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$730.80	$402.86	$0.00
Western Hemlock / Fir	$0.00	$510.00	$153.20	$0.00
Alder (Red)	$0.00	$485.00	$109.27	$0.00
Maple	$0.00	$360.00	$7.35	$0.00

Timber Sale Appraisal
Archer's Road

Sale TL-341-2025-W01114-02

District: Tillamook

Date: January 14, 2025

Summary

Amortized

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

Unamortized

Specie	**MBF**	**Value**	**Total**
Douglas - Fir	12,559	$402.86	$5,059,518.74
Western Hemlock / Fir	4	$153.20	$612.80
Alder (Red)	892	$109.27	$97,468.84
Maple	76	$7.35	$558.60

Gross Timber Sale Value

Recovery: $5,158,158.98

Prepared By: Travis Hood **Phone:** 503-815-7022

PROJECT SUMMARY SHEET

Sale: Archer's Road

CONSTRUCTION

Point	G to H	4+20	stations =	$15,682.97
Point	I to J	16+95	stations =	$22,385.33
Point	K to L	2+25	stations =	$10,436.05
Point	Q to R	8+00	stations =	$4,636.60
Point	S to T	6+90	stations =	$3,951.42
Point	U to V	4+10	stations =	$12,344.84
Point	W to X	3+55	stations =	$13,136.34
Point	Y to Z	3+50	stations =	$12,428.40
Point	AA to BB	5+55	stations =	$3,507.34
Point	OO to PP	11+50	stations =	$12,309.90
Point	QQ to RR	3+00	stations =	$2,929.80
			SUBTOTAL CONSTRUCTION	**$113,748.99**

IMPROVEMENT

Point	A to B	37+35	stations =	$4,579.93
Point	C to D	306+55	stations =	$14,096.21
Point	E to F	168+00	stations =	$19,911.60
Point	G to H	49+70	stations =	$10,766.75
Point	I to J	98+85	stations =	$35,707.50
Point	M to N	23+25	stations =	$2,731.95
Point	O to P	16+80	stations =	$2,635.84
Point	U to V	4+30	stations =	$4,511.38
Point	CC to DD	1+00	stations =	$2,360.45
Point	EE to FF	46+05	stations =	$15,549.54
Point	GG to HH	75+30	stations =	$16,082.29
Point	II to JJ	16+60	stations =	$17,323.38
Point	MM to NN	67+40	stations =	$7,673.92
			SUBTOTAL IMPROVEMENT	**$153,930.74**

SPECIAL PROJECTS

Brush	26.4	miles of road	$30,756.00
Project 2: Stockpile 3"-0"			$22,878.10
Project 5: Incidental Storm Damage			$14,315.00
		SUBTOTAL SPECIAL PROJECTS	**$67,949.10**

MOVE IN	**$10,701.17**
GRAND TOTAL	**$346,330.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road**

Road: **A to B**

Construction -	0+00	stations	Improvement -	37+35	stations	Reconstruction -	0+00	stations
	0.00	miles		0.71	miles		0.00	miles

ROCK

Spot Rock	As Directed	150	cy. of	Stockpile	@	$9.96	per c.y.=	$1,494.00	
							TOTAL ROCK		**$1,494.00**

SPECIAL PROJECTS

Ditch - Endhaul	10.00	stations @	$145.00	per station	$1,450.00	
Grade and shape road - 0+00 to 37+35	37.35	stations @	$24.40	per station	$911.34	
Roll Existing Surface	37.35	stations @	$19.40	per station	$724.59	
				TOTAL SPECIAL PROJECTS		**$3,085.93**

GRAND TOTAL **$4,579.93**

SUMMARY OF CONSTRUCTION COST

Sale:	**Archer's Road**	Road:	**C to D**

Construction -	0+00	stations	Improvement -	306+55	stations	Reconstruction -	0+00	stations
	0.00	miles		5.81	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Widening	0.383	acres @	$955.00	per acre =	$365.77	
				TOTAL CLEARING AND GRUBBING		**$365.77**

IMPROVEMENT: EXCAVATION -

Widening	1581	cy. @	$2.20	per c.y.=	$3,478.20	
				TOTAL EXCAVATION		**$3,478.20**

IMPROVEMENT: ENDHAUL -

Widening	71+70	to	74+00	156	cy. @	$1.41	per c.y.=	$219.96	
Widening	97+15	to	98+40	242	cy. @	$1.52	per c.y.=	$367.84	
Widening	103+00	to	104+50	87	cy. @	$1.41	per c.y.=	$122.67	
Widening	105+10	to	107+15	198	cy. @	$1.41	per c.y.=	$279.18	
Widening	148+05	to	149+95	147	cy. @	$1.41	per c.y.=	$207.27	
Widening	154+10	to	159+30	751	cy. @	$1.47	per c.y.=	$1,103.97	
Spread & compact				1581	cy. @	$0.55	per c.y.=	$869.55	
							TOTAL ENDHAUL		**$3,170.44**

CULVERTS - MATERIALS & INSTALLATION

Culverts

70	LF of 18"	$1,767.50	

Culvert Stakes & Markers

2	markers	$18.00	
		TOTAL CULVERTS	**$1,785.50**

ROCK

Spot Rock	71+70 to 74+00	30	cy. of	Crushed	@	$9.86	per c.y.=	$295.80	
Spot Rock	97+15 to 98+40	30	cy. of	Crushed	@	$10.43	per c.y.=	$312.90	
Spot Rock	103+00 to 104+50	30	cy. of	Crushed	@	$10.56	per c.y.=	$316.80	
Spot Rock	105+10 to 107+15	50	cy. of	Crushed	@	$10.60	per c.y.=	$530.00	
Spot Rock	148+05 to 149+95	40	cy. of	Crushed	@	$11.56	per c.y.=	$462.40	
Spot Rock	154+10 to 159+30	50	cy. of	Crushed	@	$11.69	per c.y.=	$584.50	
Culvert Bedding/Surfacing	250+00	20	cy. of	Stockpile	@	$15.70	per c.y.=	$314.00	
Energy Dissipator	250+00	5	cy. of	Riprap	@	$22.09	per c.y.=	$110.45	
Culvert Bedding/Surfacing	475+10	20	cy. of	Stockpile	@	$20.72	per c.y.=	$414.40	
Energy Dissipator	475+10	5	cy. of	Riprap	@	$27.11	per c.y.=	$135.55	
								TOTAL ROCK	**$3,476.80**

SPECIAL PROJECTS

Clean Ditchout @ 217+25	0.50	hours @	$145.00	per hour	$72.50	
Grade and shape road	15.00	stations @	$24.40	per station	$366.00	
Roll subgrade	15.00	stations @	$19.40	per station	$291.00	
Remove culverts from state lands	2.00	@	$643.50	total	$643.50	
Grass seed and fertilize -	0.38	acres @	$310.00	per acre	$117.80	
Mulching -	0.38	acres @	$865.00	per acre	$328.70	
				TOTAL SPECIAL PROJECTS		**$1,819.50**
				GRAND TOTAL		**$14,096.21**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **E to F**

Construction -	0+00	stations	Improvement -	168+00	stations	Reconstruction -	0+00	stations
	0.00	miles		3.18	miles		0.00	miles

ROCK

Spot Rock	As Directed	200	cy. of	Stockpile	@	$17.59	per c.y.=	$3,518.00	
Spot Rock	140+95	20	cy. of	Stockpile	@	$18.92	per c.y.=	$378.40	
Landing Rock	160+60	70	cy. of	Crushed	@	$20.24	per c.y.=	$1,416.80	
								TOTAL ROCK	**$5,313.20**

SPECIAL PROJECTS

Construct Landing @ 160+60	4.00	hours @	$305.00	per hour	$1,220.00	
Ditch/ Slough Removal - Endhaul, Where needed 3 x 1	40.00	stations @	$145.00	per station	$5,800.00	
Grade and shape road - 0+00 to 168+00	168.00	stations @	$24.40	per station	$4,099.20	
Reconstruct intersection @ 81+35 -	1.00	@	$220.00	each	$220.00	
Roll subgrade	168.00	stations @	$19.40	per station	$3,259.20	
				TOTAL SPECIAL PROJECTS		**$14,598.40**
				GRAND TOTAL		**$19,911.60**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **G to H**

Construction -	4+20	stations	Improvement -	49+70	stations	Reconstruction -	0+00	stations
	0.08	miles		0.94	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		
40+60		41+60	55%			$957	=	$957.00
46+50		49+20	70%	0.01	Outslope	$3,043	=	$8,216.10
49+20		49+70	Landing Const.	0.1		$11,200	=	$5,600.00
							TOTAL	**$14,773.10**

IMPROVEMENT: CLEARING AND GRUBBING -

Widening	0.000	acres	@	$955.00	per acre =	$0.00	
					TOTAL CLEARING AND GRUBBING		**$0.00**

ROCK

Spot Rock	As Directed	200	cy. of	Crushed	@	$17.96	per c.y.=	$3,592.00	
Landing Rock	32+50	70	cy. of	Crushed	@	$18.59	per c.y.=	$1,301.30	
Landing Rock	40+60	100	cy. of	Crushed	@	$18.87	per c.y.=	$1,887.00	
Landing Rock	46+50	40	cy. of	Crushed	@	$19.00	per c.y.=	$760.00	
							TOTAL ROCK		**$7,540.30**

SPECIAL PROJECTS

Construct Landing at 32+50, 40+60, and 46+50	8.00	hours @	$220.00	per hour	$1,760.00	
Grade and shape road	53.90	stations @	$24.40	per station	$1,315.16	
Roll subgrade	53.90	stations @	$19.40	per station	$1,045.66	
Grass seed and fertilize -	0.05	acres @	$310.00	per acre	$15.50	
				TOTAL SPECIAL PROJECTS		**$4,136.32**

GRAND TOTAL **$26,449.72**

SUMMARY OF CONSTRUCTION COST

Sale:	**Archer's Road**	Road:	**I to J**

Construction -	16+95	stations	Improvement -	98+85	stations	Reconstruction -	0+00	stations
	0.32	miles		1.87	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		
98+85		108+68	35%		outslope	$265	=	$2,604.95
108+68		114+60	60%	0.2		$2,187	=	$12,947.04
113+70		115+80	45%	0.2		$373	=	$783.30
							TOTAL	**$16,335.29**

IMPROVEMENT: CLEARING AND GRUBBING -

Scattering	0.300	acres @	$1,415.00	per acre =	$424.50	
				TOTAL CLEARING AND GRUBBING		**$424.50**

ROCK

98+85	to	115+80	1,190	cy. of	Pit-run	@	$17.40	per c.y.=	$20,706.00	
Spot Rock		As Directed	500	cy. of	Crushed	@	$14.10	per c.y.=	$7,050.00	
Landing Rock		115+80	150	cy. of	Pit-run	@	$17.78	per c.y.=	$2,667.00	
									TOTAL ROCK	**$30,423.00**

SPECIAL PROJECTS

Construct Landings	4.00	hours @	$220.00	per hour	$880.00	
Construct waste areas -	3.00	hours @	$220.00	per hour	$660.00	
Bank ravel removal-	8.00	hours @	$300.00	per hour	$2,400.00	
Grade and shape road -	115.80	stations @	$24.40	per station	$2,825.52	
Roll subgrade	115.80	stations @	$19.40	per station	$2,246.52	
Remove large stumps -	15.00	lump sum @	$110.00		$1,650.00	
Grass seed and fertilize -	0.80	acres @	$310.00	per acre	$248.00	
				TOTAL SPECIAL PROJECTS		**$10,910.04**

GRAND TOTAL	**$58,092.83**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **K to L**

Construction -	2+25	stations	Improvement -	0+00	stations	Reconstruction -	0+00	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 -

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station		
0+00		2+25	60%	0.1	Outslope	$2,110	=	$4,747.50
							TOTAL	**$4,747.50**

ROCK

0+00 to	2+25	190	cy. of	Pit-Run	@	$17.65	per c.y.=	$3,353.50	
Landing Rock	2+25	70	cy. of	Pit-Run	@	$17.70	per c.y.=	$1,239.00	
								TOTAL ROCK	**$4,592.50**

SPECIAL PROJECTS

Construct Landings	4.00	hours @	$220.00	per hour	$880.00	
Grade and shape road -	2.25	stations @	$24.40	per station	$54.90	
Roll subgrade w/ vibratory roller prior to rocking -	2.25	stations @	$19.40	per station	$43.65	
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00	
					TOTAL SPECIAL PROJECTS	**$1,096.05**

GRAND TOTAL **$10,436.05**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **M to N**

Construction -	0+00	stations	Improvement -	23+25	stations	Reconstruction -	0+00	stations
	0.00	miles		0.44	miles		0.00	miles

ROCK

Roadside Landing Rock	3 Locations	90	cy. of	Crushed	@	$19.04	per c.y.=	$1,713.60	
							TOTAL ROCK		**$1,713.60**

SPECIAL PROJECTS

Grade and shape road -	23.25	stations @	$24.40	per station	$567.30	
Proof-Roll subgrade prior to rocking	23.25	stations @	$19.40	per station	$451.05	
				TOTAL SPECIAL PROJECTS		**$1,018.35**
				GRAND TOTAL		**$2,731.95**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **O to P**

Construction -	0+00	stations	Improvement -	16+80	stations	Reconstruction -	0+00	stations
	0.00	miles		0.32	miles		0.00	miles

ROCK

Spot Rock	As Directed	100	cy. of	Crushed	@	$19.00	per c.y.=	$1,900.00	
							TOTAL ROCK		**$1,900.00**

SPECIAL PROJECTS

Grade and shape road - 0+00 to 16+80	16.80	stations @	$24.40	per station	$409.92	
Roll subgrade w/ vibratory roller prior to rocking -	16.80	stations @	$19.40	per station	$325.92	
				TOTAL SPECIAL PROJECTS		**$735.84**

GRAND TOTAL	**$2,635.84**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **Q to R**

Construction -	8+00	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.15	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		8+00	30%	0.0		$265	=	$2,120.00
							TOTAL	**$2,120.00**

ROCK

0+00	to	0+00	50	cy. of	Crushed	@	$19.03	per c.y.=	$951.50	
									TOTAL ROCK	**$951.50**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	8.00	stations @	$24.40	per station	$195.20	
Roll subgrade w/ vibratory roller prior to rocking -	8.00	stations @	$19.40	per station	$155.20	
Remove large stumps -	6.00	lump sum @	$110.00		$660.00	
Grass seed and fertilize -	0.37	acres @	$310.00	per acre	$114.70	
					TOTAL SPECIAL PROJECTS	**$1,565.10**

GRAND TOTAL **$4,636.60**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **S to T**

Construction -	6+90	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.13	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		6+90	30%		Outslope	$265	=		$1,828.50
								TOTAL	**$1,828.50**

ROCK

0+00	to	1+00	50	cy. of	Crushed	@	$19.03	per c.y.=	$951.50	
									TOTAL ROCK	**$951.50**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	6.90	stations @	$24.40	per station	$168.36	
Roll subgrade w/ vibratory roller prior to rocking -	6.90	stations @	$19.40	per station	$133.86	
Remove large stumps -	3.00	lump sum @	$110.00		$330.00	
Grass seed and fertilize -	0.32	acres @	$310.00	per acre	$99.20	
					TOTAL SPECIAL PROJECTS	**$1,171.42**

GRAND TOTAL **$3,951.42**

SUMMARY OF CONSTRUCTION COST

Sale:	**Archer's Road**	Road:	**U to V**

Construction -	4+10	stations	Improvement -	4+30	stations	Reconstruction -	0+00	stations
	0.08	miles		0.08	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			
4+30		7+10	60%	1.3	Outslope	$2,783	=		$7,792.40
7+10		8+40	20%			$193	=		$250.90
								TOTAL	**$8,043.30**

ROCK

4+30	to	8+40	270	cy. of	Crushed	@	$21.43	per c.y.=	$5,786.10		
Landing Rock		8+40	80	cy. of	Crushed	@	$21.50	per c.y.=	$1,720.00		
										TOTAL ROCK	**$7,506.10**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00		
Grade and shape road -	8.40	stations @	$24.40	per station	$204.96		
Roll subgrade w/ vibratory roller prior to rocking -	8.40	stations @	$19.40	per station	$162.96		
Remove large stumps -	4.00	lump sum @	$110.00		$440.00		
Grass seed and fertilize -	0.19	acres @	$310.00	per acre	$58.90		
						TOTAL SPECIAL PROJECTS	**$1,306.82**

GRAND TOTAL	**$16,856.22**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **W to X**

Construction -	3+55	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	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station		
0+00		2+55	60%		Outslope	$2,071	=	$5,281.05
2+55		3+55	20%			$193	=	$193.00
							TOTAL	**$5,474.05**

ROCK

0+00	to	3+55	210	cy. of	Crushed	@	$21.52	per c.y.=	$4,519.20	
Landing Rock		3+55	80	cy. of	Crushed	@	$21.60	per c.y.=	$1,728.00	
									TOTAL ROCK	**$6,247.20**

SPECIAL PROJECTS

Construct Landings	4.00	hours @	$220.00	per hour	$880.00	
Grade and shape road -	3.55	stations @	$24.40	per station	$86.62	
Roll subgrade w/ vibratory roller prior to rocking -	3.55	stations @	$19.40	per station	$68.87	
Remove large stumps -	3.00	lump sum @	$110.00		$330.00	
Grass seed and fertilize -	0.16	acres @	$310.00	per acre	$49.60	
					TOTAL SPECIAL PROJECTS	**$1,415.09**

GRAND TOTAL **$13,136.34**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **Y to Z**

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	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station		
0+00		2+15	60%		Outslope	$2,071	=	$4,452.65
2+15		3+50	20%			$193	=	$260.55
							TOTAL	**$4,713.20**

ROCK

0+00	to	3+50	210	cy. of	Crushed	@	$21.71	per c.y.=	$4,559.10	
Landing Rock		3+50	80	cy. of	Crushed	@	$21.79	per c.y.=	$1,743.20	
									TOTAL ROCK	**$6,302.30**

SPECIAL PROJECTS

Construct Landings	4.00	hours @	$220.00	per hour	$880.00	
Grade and shape road -	3.50	stations @	$24.40	per station	$85.40	
Roll subgrade w/ vibratory roller prior to rocking -	3.50	stations @	$19.40	per station	$67.90	
Remove large stumps -	3.00	lump sum @	$110.00		$330.00	
Grass seed and fertilize -	0.16	acres @	$310.00	per acre	$49.60	
					TOTAL SPECIAL PROJECTS	**$1,412.90**

GRAND TOTAL **$12,428.40**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **AA to BB**

Construction -	5+55	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.11	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		5+55	20%		Outslope	$193	=	$1,071.15
							TOTAL	**$1,071.15**

ROCK

0+00	to	1+00	60	cy. of	Crushed	@	$18.76	per c.y.=	$1,125.60	
									TOTAL ROCK	**$1,125.60**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	5.55	stations @	$24.40	per station	$135.42	
Roll subgrade w/ vibratory roller prior to rocking -	5.55	stations @	$19.40	per station	$107.67	
Remove large stumps -	5.00	lump sum @	$110.00		$550.00	
Grass seed and fertilize -	0.25	acres @	$310.00	per acre	$77.50	
					TOTAL SPECIAL PROJECTS	**$1,310.59**

GRAND TOTAL **$3,507.34**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **CC to DD**

Construction -	0+00	stations	Improvement -	1+00	stations	Reconstruction -	0+00	stations
	0.00	miles		0.02	miles		0.00	miles

CULVERTS - MATERIALS & INSTALLATION

Culverts					
	35	LF of 24"	$1,338.75		
Culvert Stakes & Markers					
1 markers	$9.00				
				TOTAL CULVERTS	**$1,347.75**

ROCK

Culvert Bedding	183+50	20	cy. of	Stockpile	@	$13.95	per c.y.=	$279.00	
Energy Dissipator	183+50	5	cy. of	RipRap	@	$20.34	per c.y.=	$101.70	
								TOTAL ROCK	**$380.70**

SPECIAL PROJECTS

Grade and shape road -	1.00	stations @	$24.40	per station	$24.40	
Roll subgrade w/ vibratory roller prior to rocking -	1.00	stations @	$19.40	per station	$19.40	
Remove culverts from state lands	1.00	@	$572.70	total	$572.70	
Grass seed and fertilize -	0.05	acres @	$310.00	per acre	$15.50	
					TOTAL SPECIAL PROJECTS	**$632.00**

GRAND TOTAL **$2,360.45**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **EE to FF**

Construction -	0+00	stations	Improvement -	46+05	stations	Reconstruction -	0+00	stations
	0.00	miles		0.87	miles		0.00	miles

CULVERTS - MATERIALS & INSTALLATION

Culverts					
		35	LF of 24"	$1,338.75	
Culvert Stakes & Markers					
1 markers	$9.00				
				TOTAL CULVERTS	**$1,347.75**

ROCK

Spot Rock	As Directed	200	cy. of	Crushed	@	$26.68	per c.y.=	$5,336.00	
Landing Rock	37+50	80	cy. of	Crushed	@	$27.50	per c.y.=	$2,200.00	
Landing Rock	42+60	80	cy. of	Crushed	@	$27.61	per c.y.=	$2,208.80	
								TOTAL ROCK	**$9,744.80**

SPECIAL PROJECTS

Construct Landings 37+50, 42+60	8.00	hours @	$305.00	per hour	$2,440.00	
Grade and shape road	46.05	stations @	$24.40	per station	$1,123.62	
Roll subgrade w/ vibratory roller prior to rocking -	46.05	stations @	$19.40	per station	$893.37	
					TOTAL SPECIAL PROJECTS	**$4,456.99**

GRAND TOTAL **$15,549.54**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **GG to HH**

Construction -	0+00	stations	Improvement -	75+30	stations	Reconstruction -	0+00	stations
	0.00	miles		1.43	miles		0.00	miles

CULVERTS - MATERIALS & INSTALLATION

Culverts				
	30	LF of 24"	$1,147.50	
Culvert Stakes & Markers				
1 markers	$9.00			
			TOTAL CULVERTS	**$1,156.50**

ROCK

Culvert Backfill	38+50	20	cy. of	Stockpile	@	$15.86	per c.y.=	$317.20	
Dissipator Rock	38+50	5	cy. of	Riprap	@	$17.37	per c.y.=	$86.85	
Spot Rock	As Directed	100	cy. of	Crushed	@	$24.10	per c.y.=	$2,410.00	
Landing Rock	62+10	70	cy. of	Crushed	@	$24.63	per c.y.=	$1,724.10	
Landing Rock	70+60	70	cy. of	Crushed	@	$24.82	per c.y.=	$1,737.40	
Landing Rock	75+30	70	cy. of	Crushed	@	$24.92	per c.y.=	$1,744.40	
								TOTAL ROCK	**$8,019.95**

SPECIAL PROJECTS

Construct Landings at 62+10, 70+60, and 75+30	7.00	hours @	$305.00	per hour	$2,135.00	
Ditch - No Endhaul	10.00	stations @	$90.00	per station	$900.00	
Grade and shape road -	75.30	stations @	$24.40	per station	$1,837.32	
Roll subgrade w/ vibratory roller prior to rocking -	75.30	stations @	$19.40	per station	$1,460.82	
Remove culverts from state lands	1.00	@	$572.70	total	$572.70	
					TOTAL SPECIAL PROJECTS	**$6,905.84**

GRAND TOTAL **$16,082.29**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **II to JJ**

Construction -	0+00	stations	Improvement -	16+60	stations	Reconstruction -	0+00	stations
	0.00	miles		0.31	miles		0.00	miles

ROCK

0+00	to	16+60	590	cy. of	Crushed	@	$24.44	per c.y.=	$14,419.60	
Landing Rock		16+60	70	cy. of	Crushed	@	$24.81	per c.y.=	$1,736.70	
									TOTAL ROCK	**$16,156.30**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	16.60	stations @	$24.40	per station	$405.04	
Roll subgrade w/ vibratory roller prior to rocking -	16.60	stations @	$19.40	per station	$322.04	
					TOTAL SPECIAL PROJECTS	**$1,167.08**
					GRAND TOTAL	**$17,323.38**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **MM to NN**

Construction -	0+00	stations	Improvement -	67+40	stations	Reconstruction -	0+00	stations
	0.00	miles		1.28	miles		0.00	miles

ROCK

Spot Rock	26+70	40	cy. of	Crushed	@	$23.37	per c.y.=	$934.80	
Spot Rock	As Directed	100	cy. of	Crushed	@	$23.37	per c.y.=	$2,337.00	
								TOTAL ROCK	**$3,271.80**

SPECIAL PROJECTS

Ditch - Endhaul	10.00	stations @	$145.00	per station	$1,450.00	
Grade and shape road - 0+00 to 67+40	67.40	stations @	$24.40	per station	$1,644.56	
Roll subgrade w/ vibratory roller prior to rocking -	67.40	stations @	$19.40	per station	$1,307.56	
					TOTAL SPECIAL PROJECTS	**$4,402.12**

GRAND TOTAL **$7,673.92**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **OO to PP**

Construction -	11+50	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		7+00	20%			$193	=	$1,351.00
							TOTAL	**$1,351.00**

CULVERTS - MATERIALS & INSTALLATION

Culverts			
40	LF of 42"	$5,810.00	
Culvert Stakes & Markers			
1	markers	$9.00	
		TOTAL CULVERTS	**$5,819.00**

ROCK

0+00	to	1+00	80	cy. of	Crushed	@	$24.11	per c.y.=	$1,928.80	
Culvert Bedding		5+90	60	cy. of	Stockpile	@	$16.00	per c.y.=	$960.00	
Energy Dissipator		5+90	5	cy. of	Riprap	@	$22.39	per c.y.=	$111.95	
									TOTAL ROCK	**$3,000.75**

SPECIAL PROJECTS

Grade and shape road -	11.50	stations @	$24.40	per station	$280.60	
Roll subgrade w/ vibratory roller prior to rocking -	11.50	stations @	$19.40	per station	$223.10	
Remove large stumps -	4.00	lump sum @	$110.00		$440.00	
Remove culverts from state lands	1.00	@	$572.70	total	$572.70	
Grass seed and fertilize -	0.53	acres @	$310.00	per acre	$164.30	
Mulching -	0.53	acres @	$865.00	per acre	$458.45	
					TOTAL SPECIAL PROJECTS	**$2,139.15**

GRAND TOTAL **$12,309.90**

SUMMARY OF CONSTRUCTION COST

Sale: **Archer's Road** Road: **QQ to RR**

Construction -	3+00	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.06	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		3+00	30%			$265	=		$795.00
								TOTAL	**$795.00**

ROCK

0+00	to	1+00	80	cy. of	Crushed	@	$19.00	per c.y.=	$1,520.00		
										TOTAL ROCK	**$1,520.00**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	3.00	stations @	$24.40	per station	$73.20	
Roll subgrade w/ vibratory roller prior to rocking -	3.00	stations @	$19.40	per station	$58.20	
Grass seed and fertilize -	0.14	acres @	$310.00	per acre	$43.40	
					TOTAL SPECIAL PROJECTS	**$614.80**

GRAND TOTAL **$2,929.80**

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Jordan Stockpile	Location:	Sec. 16 , T1S, R7W, W.M.	
Sale:	**Archer's Road**		Road:	730 c.y.
Swell:	1.40		Stockpile:	c.y.
Shirinkage	1.16		Total Truck Loads:	730 c.y.
Drill Pct.:	0%		In Place Total:	521 c.y.

Load Dump Truck: $1.20 /cu.yd. x 730 cu.yds. = $876.00

Subtotal $876.00

Move in Loader 1 @ $1,142.68 = $1,142.68

Subtotal $1,142.68

TOTAL PRODUCTION COSTS $2,018.68

Base Cost= $2.77 Per Cu.Yd.

Road Segment	Haul Cost $/cu.yd.	Proc Cost $/cu.yd.	Base/load Cost. $/cu.yd.	Cost $/cu.yd.	Number Cu. Yds		ROCK COST
C to D Spot Rock (Crushed)	3.54	3.55	2.77	9.86	30		$295.80
C to D Spot Rock (Crushed)	4.11	3.55	2.77	10.43	30		$312.90
C to D Spot Rock (Crushed)	4.24	3.55	2.77	10.56	30		$316.80
C to D Spot Rock (Crushed)	4.28	3.55	2.77	10.60	50		$530.00
C to D Spot Rock (Crushed)	5.24	3.55	2.77	11.56	40		$462.40
C to D Spot Rock (Crushed)	5.37	3.55	2.77	11.69	50		$584.50
I to J Spot Rock (Crushed)	7.78	3.55	2.77	14.10	500		$7,050.00
				Total C.Y.	730	Sub Total	$9,552.40

TOTAL ROCKING COSTS $9,552.40

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Archers Pit	Location:	Sec. 21 , T1N, R7W, W.M.	
Sale:	**Archer's Road**		Road:	5025 c.y.
Swell:	1.40		Stockpile:	c.y.
Shirinkage	1.16		Total Truck Loads:	5025 c.y.
Drill Pct.:	100%		In Place Total:	3589 c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread and compact.							$7,000.00
Drill & Shoot:	$3.60	/cu.yd.	x	3589	cu.yds.	=	$12,920.40
Load Crusher:	$1.20	/cu.yd.	x	5025	cu.yds.	=	$6,030.00
Crush Rock 3":	$4.60	/cu.yd.	x	5025	cu.yds.	=	$23,115.00
Load Dump Truck:	$1.20	/cu.yd.	x	5025	cu.yds.	=	$6,030.00
						Subtotal	$55,095.40

Move In/Set-up Crusher					$5,000.00
Move In and set up Drill and Compressor	1	@	$1,142.18	=	$1,142.18
Move in Loader	1	@	$1,142.68	=	$1,142.68
Move in Excavator	1	@	$1,257.68	=	$1,257.68
Move in Trucks	4	@	$275.24	=	$1,100.96
				Subtotal	$9,643.50
				TOTAL PRODUCTION COSTS	$64,738.90

3" Base Cost= $12.88 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
C to D Energy Dissipator (Riprap)	7.51	1.70	12.88	22.09	5		$110.45
C to D Energy Dissipator (Riprap)	12.53	1.70	12.88	27.11	5		$135.55
G to H Spot Rock (Crushed)	1.53	3.55	12.88	17.96	200		$3,592.00
G to H Landing Rock (Crushed)	2.16	3.55	12.88	18.59	70		$1,301.30
G to H Landing Rock (Crushed)	2.44	3.55	12.88	18.87	100		$1,887.00
G to H Landing Rock (Crushed)	2.57	3.55	12.88	19.00	40		$760.00
M to N Roadside Landing Rock (Crushed)	2.61	3.55	12.88	19.04	90		$1,713.60
O to P Spot Rock (Crushed)	2.57	3.55	12.88	19.00	100		$1,900.00
Q to R 0 0 (Crushed)	2.60	3.55	12.88	19.03	50		$951.50
S to T 0 100 (Crushed)	2.60	3.55	12.88	19.03	50		$951.50
U to V 430 840 (Crushed)	5.00	3.55	12.88	21.43	270		$5,786.10
U to V Landing Rock (Crushed)	5.07	3.55	12.88	21.50	80		$1,720.00
W to X 0 355 (Crushed)	5.09	3.55	12.88	21.52	210		$4,519.20
W to X Landing Rock (Crushed)	5.17	3.55	12.88	21.60	80		$1,728.00
Y to Z 0 350 (Crushed)	5.28	3.55	12.88	21.71	210		$4,559.10
Y to Z Landing Rock (Crushed)	5.36	3.55	12.88	21.79	80		$1,743.20
AA to BB 0 100 (Crushed)	2.33	3.55	12.88	18.76	60		$1,125.60
CC to DD Energy Dissipator (RipRap)	5.76	1.70	12.88	20.34	5		$101.70
EE to FF Spot Rock (Crushed)	10.25	3.55	12.88	26.68	200		$5,336.00
EE to FF Landing Rock (Crushed)	11.07	3.55	12.88	27.50	80		$2,200.00
EE to FF Landing Rock (Crushed)	11.18	3.55	12.88	27.61	80		$2,208.80
GG to HH Dissipator Rock (Riprap)	7.67	1.70	8.00	17.37	5		$86.85
GG to HH Spot Rock (Crushed)	7.67	3.55	12.88	24.10	100		$2,410.00
GG to HH Landing Rock (Crushed)	8.20	3.55	12.88	24.63	70		$1,724.10
GG to HH Landing Rock (Crushed)	8.39	3.55	12.88	24.82	70		$1,737.40
GG to HH Landing Rock (Crushed)	8.49	3.55	12.88	24.92	70		$1,744.40
II to JJ 0 1660 (Crushed)	8.01	3.55	12.88	24.44	590		$14,419.60
II to JJ Landing Rock 1660 (Crushed)	8.38	3.55	12.88	24.81	70		$1,736.70
MM to NN Spot Rock 2670 (Crushed)	6.94	3.55	12.88	23.37	40		$934.80
MM to NN Spot Rock As Directed (Crush	6.94	3.55	12.88	23.37	100		$2,337.00
OO to PP 0 100 (Crushed)	7.68	3.55	12.88	24.11	80		$1,928.80
OO to PP Energy Dissipator 590 (Riprap)	7.81	1.70	12.88	22.39	5		$111.95
QQ to RR 0 100 (Crushed)	2.57	3.55	12.88	19.00	80		$1,520.00
Stockpile 3"-0" Crushed	1.33	0.00	12.88	14.21	1610		$22,878.10
				Total C.Y.	5025	Sub Total	$99,317.10

TOTAL ROCKING COSTS	$99,317.10

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	South Fork Jordan Pit	Location:	Sec.32 , T1N, R7W, W.M.
Sale:	**Archer's Road**	Road:	1600 c.y.
Swell:	1.40	Stockpile:	c.y.
Shirinkage	1.16	Total Truck Loads:	1600 c.y.
Drill Pct.:	0%	In Place Total:	1143 c.y.

Rip Rock:	$3.35	/cu.yd.	x	1143	cu.yds.	=	$3,829.05
Push Rock:	$1.20	/cu.yd.	x	1600	cu.yds.	=	$1,920.00
Load Dump Truck:	$1.20	/cu.yd.	x	1600	cu.yds.	=	$1,920.00
						Subtotal	$7,669.05

Move in Excavator	1	@	$1,257.68	=	$1,257.68
				Subtotal	$1,257.68

TOTAL PRODUCTION COSTS $8,926.73

Base Cost= $5.58 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
I to J 9885 11580 (Pit-run)	9.92	1.90	5.58	17.40	1190		$20,706.00
I to J Landing Rock (Pit-run)	10.30	1.90	5.58	17.78	150		$2,667.00
K to L 0 225 (Pit-Run)	10.17	1.90	5.58	17.65	190		$3,353.50
K to L Landing Rock (Pit-Run)	10.22	1.90	5.58	17.70	70		$1,239.00
				Total C.Y.	1600	Sub Total	$27,965.50

TOTAL ROCKING COSTS $27,965.50

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit: Archers Stockpile
Location: Sec. 21 , T1N, R7W, W.M.
Sale: **Archer's Road**
Road: 510 c.y.
Total Truck Loads: 510 c.y.

Push Rock:	$1.20	/cu.yd.	x	510 cu.yds.	=	$612.00
Load Dump Truck:	$1.20	/cu.yd.	x	510 cu.yds.	=	$612.00
					Subtotal	$1,224.00
Move in Loader	1		@	$1,142.68	=	$1,142.68
					Subtotal	$1,142.68
					TOTAL PRODUCTION COSTS	$2,366.68

Base Cost= $4.64 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 Spot Rock (Stockpile)	1.77	3.55	4.64	9.96	150		$1,494.00
C to D Culvert Bedding/Surfacing (Stockp	7.51	3.55	4.64	15.70	20		$314.00
C to D Culvert Bedding/Surfacing (Stockp	12.53	3.55	4.64	20.72	20		$414.40
E to F Spot Rock (Stockpile)	9.40	3.55	4.64	17.59	200		$3,518.00
CC to DD Culvert Bedding (Stockpile)	5.76	3.55	4.64	13.95	20		$279.00
GG to HH Culvert Backfill (Stockpile)	7.67	3.55	4.64	15.86	20		$317.20
OO to PP Culvert Bedding 590 (Stockpile	7.81	3.55	4.64	16.00	60		$960.00
				Total C.Y.	510	Sub Total	$7,675.00

TOTAL ROCKING COSTS $7,675.00

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

Sale: **Archer's Road**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
29.0	Pavement	30
3.0	Main Lines	7
9.5	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	Brush Cutter	$934.25		$4.00	0.00	0.00	0	$0.00	$934.25
1	Graders	$1,201.18		$3.65	0.00	18.00	18	$65.70	$1,266.88
1	Loader (Large)	$1,228.93	1	$9.00	0.00	6.80	6.8	$61.20	$1,290.13
1	Rollers (smooth/grid) & Compactors	$630.50		$5.00	0.00	18.00	18	$90.00	$720.50
1	Excavators (Small)	$630.50		$22.00	0.00	18.00	18	$396.00	$1,026.50
1	Excavators (Large)	$1,257.68	1	$44.80	0.00	18.00	18	$806.40	$2,064.08
1	Tractors (D6)	$1,225.48	2	$7.10	0.00	18.00	18	$127.80	$1,353.28
2	Dump Truck (10 cy +)	$550.48		$2.85	0.00	0.00	0	$0.00	$550.48
1	Dump Truck (Off Hiway)	$1,228.93	1	$4.75	0.00	0.00	0	$0.00	$1,228.93
1	Water Truck (1500 Gal)	$261.48		$2.85	0.00	0.00	0	$0.00	$266.14
					TOTAL MOVE-IN COSTS:				$10,701.17

OREGON DEPARTMENT OF FORESTRY

"STEWARDSHIP IN FORESTRY"

Archer's Road

Volume Summary

Unit 1A-Modified Clearcut

33 acres

	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	44.41	1465	1%	1450
Hemlock		0	1%	0
Spruce		0	1%	0
Big Leaf Maple	0.42	14	2%	14
Alder	1.65	54	2%	53
TOTAL	46.47	1533.0		1517

Unit 1B-Modified Clearcut

49 acres

	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	7.15	350	1%	347
Hemlock	0.09	4	1%	4
Spruce		0	1%	0
Big Leaf Maple	1.28	63	1%	62
Alder	8.37	410	2%	402
TOTAL	16.89	827		815

Unit 2- Modified Clearcut

115 acres

	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	29.55	3398	1%	3364
Hemlock		0	1%	0
Spruce		0	1%	0
Big Leaf Maple		0	1%	0
Alder	2.16	249	2%	244
TOTAL	31.71	3647		3608

Archer's Road

Volume Summary

Unit 3- Modified Clearcut

88 acres

	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	36.2	3186	1%	3154
Hemlock		0	1%	0
Spruce		0	1%	0
Big Leaf Maple		0	1%	0
Alder	0.8	69	2%	68
TOTAL	37.0	3255		3222

Unit 4-Modified Clearcut

116 acres

	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	37.0	4287	1%	4244
Hemlock		0	1%	0
Spruce		0	1%	0
Big Leaf Maple		0	1%	0
Alder	1.1	128	2%	125
TOTAL	38.1	4415		4369

OREGON DEPARTMENT OF FORESTRY

"STEWARDSHIP IN FORESTRY"

Archer's Road

Volume Summary

TOTAL SALE VOLUME	**401**	**acres**
SPECIES	Cruised Net (MBF)	Net Sale (MBF)
Douglas-fir	12686	12559
Hemlock	4	4
Spruce	0	0
Big Leaf Maple	77	76
Red Alder	910	892
TOTAL	13677	13531

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
ARCHER'S ROAD

Type of Sale

Regeneration harvest, Recovery

Legal Description

Section(s) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W, Section(s) 19 of T1N R6W W.M.

Sale Acreage

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

	ACRES	
	Gross	Net
Unit 1 (Modified Clearcut)	44	33
Unit 1B (Modified Clearcut)	61	49
Unit 2 (Modified Clearcut)	143	115
Unit 3 (Modified Clearcut)	105	88
Unit 4 (Modified Clearcut)	148	116
Total	501	401

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	325' x 325'
1B	27.78	325' x 325'
2	40.00	350' x 350'
3	40.00	350' x 350'
4	40.00	300' x 300'

C. Grading System

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

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	33	14	8.9	32.1
1B	49	24	9.7	46.7
2	115	36	8.1	48.5
3	88	34	9.7	56.8
4	116	47	6.2	42.5
Project Total	401	155	8.52	45.32

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

All units were planted between 1951 and 1971.

Unit 1 is a modified clearcut. The unit is a Douglas-fir dominated stand with a small Red Alder, and Bigleaf Maple component. The area has no record of past management.

Unit 1B is a modified clearcut. The unit is a Red Alder dominated stand with a Douglas-fir and a small Bigleaf Maple, Western Hemlock, and Western Red Cedar component. The area has no record of past management.

Unit 2 is modified clearcut. The unit is a Douglas-fir dominated stand with a small Red Alder and Western Red Cedar component. 19 acres of the southeast portion of the unit were thinned in 1993 in the Portland Thinning.

Unit 3 is modified clearcut. The unit is a Douglas-fir dominated stand with a small Red Alder and Western Hemlock component. The whole unit was thinned in 2002 in the Past the Buck thinning.

Unit 4 is modified clearcut. The unit is a Douglas-fir dominated stand with a small Red Alder component. 64 acres of the northern and western most parts of the unit were thinned in 1998 in the East Jordan Thin.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)
1	69	Douglas-fir	18	81
		Red Alder	17	70
		Bigleaf Maple	15	31
1B	69	Red Alder	15	48
		Douglas-fir	21	82
		Bigleaf Maple	13	56
		Western Hemlock	10	15
2	67	Douglas-fir	20	83
		Red alder	13	46
3	73	Douglas-fir	25	99
		Red Alder	19	49
4	70	Douglas-fir	19	82
		Red Alder	16	58

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

Cruiser /Dates

ODF Staff Cruised; June – September 2024.

Revenue Distribution

BOF – 100%

Tax Code: 902 (100%)

Deed Numbers: 142, 157, 159, 160, 186, & 206.

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
WH — Western hemlock
BM — Bigleaf maple
RC — Red cedar leave

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S19 T0100 **T01N R07W S19 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	19	UNIT 1	0100	32.84	14	64

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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+
DF		CO	2	22	9		9	.6									9			
DF		CO	2	27	15		15	1.0								15				
DF		CO	2	40	822		822	56.4						199	169	227	179	48		
DF		CO	3	31	2		2	.1				2								
DF		CO	3	35	2		2	.1			2									
DF		CO	3	36	3		3	.2					3							
DF		CO	3	40	433		433	29.7			57	156	152	49	19					
DF		CO	4	14	1		1	.1		1		1								
DF		CO	4	15	2		2	.2		2	1									
DF		CO	4	16	4		4	.3		4										
DF		CO	4	17	1		1	.1		1										
DF		CO	4	18	1		1	.1			1									
DF		CO	4	19	1		1	.1		1										
DF		CO	4	21	1		1	.1		1										
DF		CO	4	22	11		11	.8		10		1								
DF		CO	4	23	4		4	.3		4										
DF		CO	4	25	3		3	.2			3									
DF		CO	4	26	17		17	1.2		17										
DF		CO	4	27	3		3	.2		3										
DF		CO	4	29	2		2	.1			2									
DF		CO	4	30	10		10	.7		7	2	2								
DF		CO	4	32	5		5	.3		5										
DF		CO	4	36	6		6	.4		6										
DF		CO	4	37	6		6	.4		6										
DF		CO	4	40	92		92	6.3		16	29	38	9							
DF		Totals			1,458		1,458	95.6		85	97	199	163	249	188	242	189	48		
RA		H	2	40	16		16	29.4						16						
RA		H	4	16	2		2	4.1			2									
RA		H	4	24	2		2	4.4			2									
RA		H	4	40	34		34	62.1			7	27								
RA		Totals			54		54	3.5			11	27		16						
BM		H	4	29	6		6	44.4			6									
BM		H	4	30	8		8	55.6			8									
BM		Totals			14		14	.9			14									
Total All Species					1,526		1,526	100.0		85	122	226	163	264	188	242	189	48		

TC TSTNDSUM

Stand Table Summary

Project **ARTS**

T01N R07W S19 T0100 **T01N R07W S19 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	19	UNIT 1	0100	32.84	14	64

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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	84	60	12.983	4.53	12.98	4.4	20.0	1.64	58	260	54	19	9
DF		10	1	86	79	8.309	4.53	16.62	8.5	45.0	4.05	142	748	133	47	25
DF		11	1	93	88	6.867	4.53	13.73	12.6	60.0	4.93	173	824	162	57	27
DF		13	4	81	84	19.667	18.13	34.42	17.6	60.0	17.22	604	2,065	566	198	68
DF		14	3	84	88	12.718	13.60	25.44	18.3	73.3	13.29	466	1,865	437	153	61
DF		15	1	81	100	3.693	4.53	7.39	23.1	90.0	4.86	170	665	159	56	22
DF		16	1	89	85	3.246	4.53	6.49	22.2	90.0	4.10	144	584	135	47	19
DF		17	5	87	103	14.376	22.66	28.75	29.4	118.0	24.07	844	3,393	790	277	111
DF		18	4	86	111	10.258	18.13	23.08	31.3	124.4	20.60	723	2,872	676	237	94
DF		19	5	84	111	11.509	22.66	27.62	33.3	126.7	26.25	921	3,499	862	302	115
DF		20	4	84	110	8.309	18.13	22.85	32.9	129.1	21.44	752	2,950	704	247	97
DF		21	2	84	112	3.768	9.06	9.42	39.4	158.0	10.58	371	1,489	347	122	49
DF		22	2	85	120	3.434	9.06	10.30	38.5	166.7	11.32	397	1,717	372	130	56
DF		23	2	86	111	3.142	9.06	9.42	40.6	171.7	10.92	383	1,618	359	126	53
DF		24	3	87	124	4.328	13.60	11.54	47.2	208.8	15.52	545	2,409	510	179	79
DF		25	3	83	116	3.988	13.60	9.31	59.7	248.6	15.82	555	2,313	520	182	76
DF		26	1	82	115	1.229	4.53	3.69	51.3	210.0	5.39	189	774	177	62	25
DF		27	1	83	108	1.140	4.53	3.42	48.3	210.0	4.70	165	718	154	54	24
DF		28	3	85	134	3.180	13.60	9.54	70.1	337.8	19.07	669	3,222	626	220	106
DF		29	1	82	137	.988	4.53	2.96	79.0	393.3	6.67	234	1,166	219	77	38
DF		30	3	80	128	2.770	13.60	7.39	80.8	323.7	17.01	597	2,391	559	196	79
DF		31	1	82	137	.865	4.53	2.59	83.1	393.3	6.14	215	1,020	202	71	34
DF		32	2	83	125	1.623	9.06	4.87	83.4	376.7	11.57	406	1,834	380	133	60
DF		34	1	82	145	.719	4.53	2.16	108.5	550.0	6.67	234	1,186	219	77	39
DF		36	1	82	118	.641	4.53	1.28	106.4	370.0	3.89	136	474	128	45	16
DF		39	1	84	145	.546	4.53	1.64	133.3	726.7	6.23	219	1,191	205	72	39
DF		40	1	83	145	.519	4.53	1.56	142.8	743.3	6.34	222	1,158	208	73	38
DF		Totals	58	85	99	144.816	262.86	310.46	33.9	143.0	300.28	10,536	44,405	9,861	3,460	1,458
RA		16	2	77	85	6.821	9.52	13.64	24.7	80.0	9.27	337	1,091	304	111	36
RA		19	1	88	94	2.419	4.76	4.84	33.4	115.0	4.45	162	556	146	53	18
RA		Totals	3	80	87	9.239	14.29	18.48	27.0	89.2	13.71	499	1,648	450	164	54
BM		15	2	92	38	9.313	11.43	9.31	19.2	45.0	4.74	179	419	156	59	14
BM		Totals	2	92	38	9.313	11.43	9.31	19.2	45.0	4.74	179	419	156	59	14
OC		16	1	79	42	2.046	2.86									
OC		Totals	1	79	42	2.046	2.86									
Totals			64	85	94	165.414	291.43	338.25	33.2	137.4	318.73	11213	46,472	10,467	3,682	1,526

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S19 T0100 **T01N R07W S19 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	19	UNIT 1B	0100	49.16	24	76

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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		H	2	30	11		11	2.6								11				
RA		H	2	35	14		14	3.5								14				
RA		H	2	38	12		12	2.8							12					
RA		H	2	40	24		24	5.9						11	13					
RA		H	3	40	71		71	17.1					59	11						
RA		H	4	16	2		2	.4			2									
RA		H	4	19	2		2	.5			2									
RA		H	4	20	13		13	3.1			3	2	7							
RA		H	4	21	3		3	.7			3									
RA		H	4	22	10		10	2.5			2				8					
RA		H	4	23	4		4	1.0			4									
RA		H	4	27	1		1	.3			1									
RA		H	4	28	8		8	2.0			8									
RA		H	4	29	4		4	1.0			4									
RA		H	4	30	12		12	2.9			12									
RA		H	4	31	9		9	2.3					9							
RA		H	4	32	4		4	.9			4									
RA		H	4	34	3		3	.7			3									
RA		H	4	36	18		18	4.3			6		11							
RA		H	4	37	10		10	2.5			10									
RA		H	4	39	14		14	3.5			14									
RA		H	4	40	163		163	39.5			56	84	23							
RA			Totals		412		412	47.9			135	86	110	23	33	25				
DF		CO	2	40	231		231	65.8						17	41	116	9	29	19	
DF		CO	3	34	2		2	.4			2									
DF		CO	3	40	88		88	25.1			9	13	26	29		11				
DF		CO	4	14	1		1	.2		1										
DF		CO	4	15	1		1	.3			1									
DF		CO	4	20	1		1	.2		1										
DF		CO	4	22	1		1	.3			1									
DF		CO	4	23	3		3	.9		2	1									
DF		CO	4	24	5		5	1.4				5								
DF		CO	4	25	1		1	.3		1										
DF		CO	4	26	4		4	1.1		4										
DF		CO	4	27	1		1	.3		1										
DF		CO	4	32	1		1	.4		1										
DF		CO	4	34	12		12	3.3		2			9							
DF			Totals		352		352	40.9		13	13	18	35	46	41	127	9	29	19	
BM		H	3	40	10		10	11.0					10							
BM		H	4	13	5		5	5.6			5									
BM		H	4	14	3		3	3.1			3									
BM		H	4	15	6		6	6.7			6									
BM		H	4	18	1		1	1.5			1									
BM		H	4	40	65		65	72.1			22	44								
BM			Totals		91		91	10.6			37	44	10							
WH		CO	4	12	2		2	56.9		2										
WH		CO	4	20	2		2	43.1			2									

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S19 T0100

T01N R07W S19 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	19	UNIT 1B	0100	49.16	24	76

Page 2
Date 11/14/2024
Time 6:28:24AM

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+
WH		Totals			4		4	.5		2	2									
RC		CO	3	30	1		1	100.0			1									
RC		Totals			1		1	.1			1									
Total All Species					859		859	100.0		16	188	148	155	69	74	153	9	29	19	

TC TSTNDSUM

Stand Table Summary

Project **ARTS**

T01N R07W S19 T0100 **T01N R07W S19 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	19	UNIT 1B	0100	49.16	24	76

Page: 1
Date: 11/14/2024
Time: 6:28:25AM

									Average Log					Totals		
Spc	S T	DBH	Sample Trees	FF 16'	Av Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Cunits	MBF
RA		10	3	85	79	12.582	6.86	12.58	11.8	53.3	4.09	149	671	201	73	33
RA		11	1	93	17	3.466	2.29									
RA		12	1	78	113	2.912	2.29	2.91	23.8	70.0	1.90	69	204	94	34	10
RA		13	5	80	67	12.408	11.44	9.93	19.9	62.5	5.43	198	620	267	97	30
RA		14	5	84	54	10.699	11.44	10.70	21.2	66.0	6.22	226	706	306	111	35
RA		15	5	83	77	9.320	11.44	14.91	21.4	71.3	8.78	319	1,062	432	157	52
RA		16	4	81	77	6.553	9.15	9.83	27.9	83.3	7.55	274	819	371	135	40
RA		17	3	82	90	4.354	6.86	8.71	26.3	96.7	6.31	229	842	310	113	41
RA		18	3	83	83	3.883	6.86	6.47	33.2	110.0	5.91	215	712	291	106	35
RA		19	4	85	79	4.647	9.15	6.97	41.3	140.0	7.91	288	976	389	141	48
RA		20	3	80	69	3.145	6.86	5.24	35.0	98.0	5.04	183	514	248	90	25
RA		22	2	86	70	1.733	4.57	2.60	49.8	156.7	3.56	129	407	175	64	20
RA		24	3	86	80	2.184	6.86	3.64	57.8	230.0	5.79	210	837	285	103	41
RA		Totals	42	83	72	77.887	96.07	94.49	26.4	88.6	68.50	2,491	8,371	3,368	1,225	412
DF		12	1	81	79	2.526	1.98	5.05	10.0	35.0	1.43	50	177	71	25	9
DF		13	1	82	28	2.153	1.98	2.15	10.6	20.0	.65	23	43	32	11	2
DF		17	1	83	89	1.259	1.98	2.52	25.8	95.0	1.85	65	239	91	32	12
DF		20	2	82	122	1.819	3.97	5.46	31.6	121.7	4.91	172	664	241	85	33
DF		21	1	85	106	.825	1.98	1.65	45.9	180.0	2.16	76	297	106	37	15
DF		22	1	80	116	.752	1.98	2.26	35.3	130.0	2.27	80	293	112	39	14
DF		23	3	85	126	2.063	5.95	6.19	42.2	180.0	7.45	261	1,114	366	129	55
DF		24	2	81	117	1.263	3.97	3.16	53.5	202.0	4.81	169	638	237	83	31
DF		25	2	84	101	1.164	3.97	2.33	63.4	235.0	4.20	148	547	207	73	27
DF		26	1	85	138	.538	1.98	1.08	81.4	385.0	2.50	88	414	123	43	20
DF		27	3	83	125	1.497	5.95	4.49	58.4	252.2	7.48	262	1,133	368	129	56
DF		28	1	82	118	.464	1.98	1.39	58.8	243.3	2.33	82	339	115	40	17
DF		38	1	91	148	.252	1.98	.76	139.8	790.0	3.01	106	597	148	52	29
DF		41	1	93	153	.216	1.98	.65	173.2	1010.0	3.21	112	656	158	55	32
DF		Totals	21	83	100	16.792	41.67	39.13	43.3	182.8	48.27	1,694	7,151	2,373	833	352
BM		10	1	86	110	3.449	1.88	6.90	9.6	45.0	1.76	66	310	87	33	15
BM		11	1	86	106	2.850	1.88	5.70	10.9	45.0	1.65	62	257	81	31	13
BM		12	1	82	102	2.395	1.88	4.79	13.4	55.0	1.70	64	263	84	32	13
BM		13	1	85	89	2.041	1.88	4.08	14.8	55.0	1.60	60	224	78	30	11
BM		14	2	85	81	3.519	3.76	7.04	16.7	62.5	3.12	118	440	153	58	22
BM		16	2	84	72	2.694	3.76	4.04	26.8	86.7	2.87	108	350	141	53	17
BM		Totals	8	85	93	16.948	15.05	32.55	14.7	56.7	12.69	479	1,845	624	235	91
WH		8	1	68	17	4.974	1.74	4.97	2.9	10.0	.46	14	50	23	7	2
WH		13	1	75	26	1.884	1.74	1.88	11.2	20.0	.67	21	38	33	10	2
WH		Totals	2	70	19	6.858	3.47	6.86	5.2	12.7	1.14	36	87	56	17	4
RC		23	1	66	39	.401	1.16	.40	59.3	50.0	.56	24	20	27	12	1
RC		Totals	1	66	39	.401	1.16	.40	59.3	50.0	0.56	24	20	27	12	1
OC		16	1	64	37	.829	1.16									
OC		20	1	57	29	.531	1.16									
OC		Totals	2	61	34	1.360	2.32									
Totals			76	82	75	120.245	159.73	173.43	27.2	100.8	131.16	4723	17,475	6,448	2,322	859

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S16 T0100 **T01N R07W S16 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	16	UNIT 2	0100	115.00	36	110

Page 1
Date 11/14/2024
Time 6:32:42AM

Spp	S T	So rt	Gr de	Log Len	Gross MBF	% Def	Net MBF	% Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		CO	2	40	2,285		2,285	67.3						358	685	799	408	37		
DF		CO	3	17	2		2	.1					2							
DF		CO	3	20	4		4	.1				4								
DF		CO	3	21	11		11	.3					5	6						
DF		CO	3	22	11		11	.3		2	2	2		6						
DF		CO	3	23	2		2	.1				2								
DF		CO	3	26	2		2	.1				2								
DF		CO	3	30	19		19	.6			3					16				
DF		CO	3	32	8		8	.2			8									
DF		CO	3	33	4		4	.1			4									
DF		CO	3	34	4		4	.1			4									
DF		CO	3	35	4		4	.1				4								
DF		CO	3	37	16		16	.5			13	3								
DF		CO	3	40	811	.3	809	23.8			160	351	259	10		29				
DF		CO	3	41	6		6	.2			6									
DF		CO	4	12	2		2	.0		1	1									
DF		CO	4	13	3		3	.1		3										
DF		CO	4	14	2		2	.1			2									
DF		CO	4	15	18		18	.5		2							16			
DF		CO	4	16	16		16	.5		15		1								
DF		CO	4	17	1		1	.0				1								
DF		CO	4	18	9		9	.3		9										
DF		CO	4	19	9		9	.3		7		2								
DF		CO	4	20	8		8	.2		6	2									
DF		CO	4	21	2		2	.1		2										
DF		CO	4	22	23		23	.7		5	4	2			12					
DF		CO	4	23	3		3	.1		3										
DF		CO	4	24	17		17	.5		15	2									
DF		CO	4	25	7		7	.2		5	2									
DF		CO	4	26	11		11	.3		11										
DF		CO	4	28	9		9	.3		7	2									
DF		CO	4	30	2		2	.1		2										
DF		CO	4	31	24		24	.7		3	21									
DF		CO	4	33	2		2	.1		2										
DF		CO	4	34	4		4	.1				4								
DF		CO	4	35	10		10	.3		10										
DF		CO	4	39	4		4	.1		4										
DF		CO	4	40	23		23	.7		23										
DF		Totals			3,400		3,398	92.8		137	237	378	266	379	696	844	424	37		
RA		H	3	40	32		32	12.8			25	7								
RA		H	4	16	4		4	1.7			4									
RA		H	4	18	7		7	2.9			7									
RA		H	4	27	2		2	.9				2								
RA		H	4	40	108		108	43.6			97		11							
RA		H	2	40	18		18	7.2						18						
RA		H	3	40	22		22	9.0					22							
RA		H	4	13	2		2	1.0			2									
RA		H	4	15	2		2	1.0			2									
RA		H	4	27	4		4	1.5			4									

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S16 T0100 **T01N R07W S16 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	16	UNIT 2	0100	115.00	36	110

Page 2
Date 11/14/2024
Time 6:32:42AM

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		H	4	33	5		5	2.2			5									
RA		H	4	40	40		40	16.2				40								
RA				Totals	249		249	6.8			147	50	34	18						
RC		CO	4	26	9		9	64.5		9										
RC		CO	4	37	5		5	35.5		5										
RC				Totals	13		13	.4		13										
Total All Species					3,663		3,660	100.0		150	384	428	300	397	696	844	424	37		

TC TSTNDSUM

Stand Table Summary

Project **ARTS**

T01N R07W S16 T0100 **T01N R07W S16 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	16	UNIT 2	0100	115.00	36	110

Page: 1
Date: 11/14/2024
Time: 6:32:43AM

					Av				Average Log			Net	Net	Totals		
Spc	S T	DBH	Sample Trees	FF 16'	Ht Tot	Trees/ Acre	BA/ Acre	Logs Acre	Net Cu.Ft.	Net Bd.Ft.	Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	Tons	Cunits	MBF
DF		9	1	82	64	4.504	1.99	4.50	9.9	40.0	1.27	45	180	146	51	21
DF		12	5	83	102	12.667	9.95	22.80	14.2	55.6	9.20	323	1,267	1,058	371	146
DF		13	4	85	72	8.634	7.96	12.95	16.1	53.3	5.94	208	691	683	240	79
DF		14	2	82	107	3.722	3.98	7.44	19.0	70.0	4.03	141	521	463	163	60
DF		15	3	84	96	4.864	5.97	9.73	20.7	78.3	5.73	201	762	658	231	88
DF		16	2	92	82	2.850	3.98	5.70	21.8	87.5	3.54	124	499	408	143	57
DF		17	2	85	89	2.525	3.98	5.05	24.4	82.5	3.51	123	417	403	141	48
DF		18	1	82	104	1.126	1.99	2.25	32.2	110.0	2.07	73	248	238	83	28
DF		19	4	83	115	4.042	7.96	10.11	30.9	114.0	8.89	312	1,152	1,022	359	132
DF		20	3	85	114	2.736	5.97	6.38	37.5	145.7	6.82	239	930	785	275	107
DF		21	6	85	122	4.963	11.94	14.89	34.7	139.4	14.74	517	2,076	1,696	595	239
DF		22	8	85	117	6.030	15.92	16.58	39.6	160.9	18.70	656	2,668	2,150	754	307
DF		23	5	86	127	3.448	9.95	11.03	40.2	176.2	12.63	443	1,945	1,452	510	224
DF		24	9	84	128	5.700	17.91	16.47	48.5	206.2	22.75	798	3,395	2,616	918	390
DF		25	3	84	138	1.751	5.97	5.25	53.5	240.0	8.01	281	1,261	921	323	145
DF		26	6	84	124	3.238	11.94	8.09	62.9	266.7	14.50	509	2,159	1,668	585	248
DF		27	5	85	136	2.502	9.95	8.01	56.3	271.9	12.84	450	2,177	1,476	518	250
DF		28	2	83	122	.931	3.98	2.79	59.9	250.0	4.77	167	698	548	192	80
DF		29	3	86	128	1.301	5.97	3.47	78.2	370.0	7.74	271	1,284	890	312	148
DF		30	2	83	135	.811	3.98	2.43	76.1	350.0	5.27	185	851	606	213	98
DF		31	6	84	137	2.278	11.94	7.59	74.2	348.5	16.06	564	2,646	1,847	648	304
DF		32	2	84	123	.712	3.98	1.78	98.3	468.0	4.99	175	834	574	201	96
DF		34	1	88	144	.316	1.99	.95	107.4	543.3	2.90	102	514	333	117	59
DF		35	1	80	125	.298	1.99	.89	95.5	420.0	2.43	85	375	280	98	43
DF		Totals	86	84	107	81.947	171.11	187.15	37.4	157.9	199.32	6,994	29,548	22,921	8,043	3,398
RA		8	1	71	52	4.868	1.70									
RA		9	1	77	60	3.847	1.70									
RA		10	2	72	107	6.231	3.40	9.35	12.6	46.7	3.24	118	436	372	135	50
RA		11	2	78	92	5.150	3.40	5.15	21.1	70.0	2.98	108	360	343	125	41
RA		13	1	70	116	1.844	1.70	3.69	15.2	45.0	1.54	56	166	177	65	19
RA		14	1	73	74	1.590	1.70	1.59	29.9	70.0	1.31	48	111	150	55	13
RA		15	1	75	78	1.385	1.70	1.38	34.9	90.0	1.33	48	125	153	56	14
RA		16	1	65	72	1.217	1.70	1.22	40.7	70.0	1.36	50	85	157	57	10
RA		17	3	77	83	3.234	5.10	6.47	25.9	76.7	4.60	167	496	529	192	57
RA		20	1	78	102	.779	1.70	1.56	40.6	130.0	1.74	63	203	200	73	23
RA		21	1	66	62	.707	1.70	.71	69.8	90.0	1.36	49	64	156	57	7
RA		24	1	94	73	.541	1.70	.54	61.3	180.0	.91	33	97	105	38	11
RA		28	1	60	46	.397	1.70	.40	37.2	50.0	.41	15	20	47	17	2
RA		Totals	17	74	82	31.789	28.89	32.05	23.6	67.5	20.77	755	2,163	2,389	869	249
RC		9	1	88	43	2.515	1.11	2.52	6.3	30.0	.37	16	75	43	18	9
RC		14	1	88	48	1.039	1.11	1.04	19.6	40.0	.48	20	42	55	23	5
RC		Totals	2	88	44	3.554	2.22	3.55	10.2	32.9	0.85	36	117	98	42	13
OC		12	2	88	116	11.318	8.89									
OC		Totals	2	88	116	11.318	8.89									
Totals			107	82	100	128.609	211.11	222.75	34.9	142.9	220.94	7785	31,828	25,408	8,953	3,660

TC TLOGSTVB

Log Stock Table - MBF

Project: **ARTS**

T01N R07W S22 T0100 **T01N R07W S22 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1
01N	07W	22	UNIT 3	0100	88.00	34	96	Date	11/14/2024
								Time	6:34:32AM

	S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches											
Spp	T	rt	de	Len	MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		CO	2	18	4		4	.1			4									
DF		CO	2	29	25		25	.8										25		
DF		CO	2	36	14		14	.5							14					
DF		CO	2	40	2,547		2,547	79.9						322	377	1086	528	235		
DF		CO	3	17	2		2	.1					2							
DF		CO	3	19	2		2	.1				2								
DF		CO	3	25	2		2	.1				2								
DF		CO	3	26	7		7	.2				7								
DF		CO	3	27	2		2	.1				2								
DF		CO	3	28	3		3	.1					3							
DF		CO	3	29	2		2	.1			2									
DF		CO	3	30	2		2	.1				2								
DF		CO	3	31	8		8	.2			8									
DF		CO	3	33	6		6	.2				6								
DF		CO	3	35	23		23	.7			3	3	4	13						
DF		CO	3	36	8		8	.3			5		4							
DF		CO	3	38	4		4	.1					4							
DF		CO	3	39	4		4	.1			4									
DF		CO	3	40	397		397	12.5			40	111	241	5						
DF		CO	4	12	1		1	.0		1										
DF		CO	4	13	1		1	.0			1									
DF		CO	4	14	2		2	.0		1		1								
DF		CO	4	15	2		2	.1		2										
DF		CO	4	18	4		4	.1		4										
DF		CO	4	19	8		8	.2		2	6									
DF		CO	4	20	5		5	.2		3	2									
DF		CO	4	21	5		5	.1		2	3									
DF		CO	4	22	5		5	.2		3	2									
DF		CO	4	23	15		15	.5		1	8	6								
DF		CO	4	24	15		15	.5		7	7	2								
DF		CO	4	25	7		7	.2		2	4									
DF		CO	4	26	12		12	.4		7	5									
DF		CO	4	27	2		2	.1			2									
DF		CO	4	30	2		2	.1		2										
DF		CO	4	36	3		3	.1		3										
DF		CO	4	40	36		36	1.1		10						26				
DF		Totals			3,186		3,186	97.1		50	105	144	257	340	391	1112	528	259		
RA		H	2	40	34		34	49.7						14	20					
RA		H	3	40	10	20.0	8	11.4					8							
RA		H	4	16	6		6	8.2				6								
RA		H	4	22	3		3	4.0				3								
RA		H	4	24	2		2	3.2			2									
RA		H	4	28	2		2	2.4			2									
RA		H	4	30	2		2	3.5			2									
RA		H	4	40	13	8.3	12	17.6				12								
RA		Totals			72	4.3	69	2.1			6	20	8	14	20					
WH		CO	2	40	25		25	96.9								7		19		
WH		CO	3	20	1		1	3.1				1								

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R07W S22 T0100 **T01N R07W S22 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	22	UNIT 3	0100	88.00	34	96

Page 2
Date 11/14/2024
Time 6:34:32AM

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+
WH				Totals	26		26	.8				1				7		19		
Total All Species					3,284		3,281	100.0		50	111	165	265	354	411	1118	528	278		

TC TSTNDSUM

Stand Table Summary

Project **ARTS**

T01N R07W S22 T0100 **T01N R07W S22 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	07W	22	UNIT 3	0100	88.00	34	96

Page: 1
Date: 11/14/2024
Time: 6:34:34AM

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		15	2	83	101	3.768	4.62	7.54	21.5	77.5	4.61	162	584	406	142	51
DF		16	2	89	117	3.312	4.62	8.28	22.3	100.0	5.26	185	828	463	162	73
DF		17	1	87	111	1.467	2.31	2.93	29.1	120.0	2.43	85	352	214	75	31
DF		19	2	83	112	2.348	4.62	5.87	30.7	108.0	5.13	180	634	451	158	56
DF		20	2	85	111	2.119	4.62	5.30	34.9	134.0	5.27	185	710	464	163	62
DF		21	6	83	120	5.767	13.87	12.50	35.1	136.9	12.50	439	1,711	1,100	386	151
DF		22	2	85	134	1.752	4.62	5.25	40.5	176.7	6.07	213	928	534	187	82
DF		23	6	86	119	4.808	13.87	14.42	41.4	180.6	17.01	597	2,604	1,497	525	229
DF		24	8	84	123	5.887	18.50	16.19	47.9	206.4	22.09	775	3,341	1,944	682	294
DF		25	8	88	118	5.426	18.50	12.89	52.2	231.6	19.19	673	2,984	1,688	592	263
DF		26	7	83	130	4.389	16.18	13.17	55.3	241.0	20.77	729	3,173	1,827	641	279
DF		27	6	84	131	3.489	13.87	10.47	60.8	266.1	18.13	636	2,785	1,596	560	245
DF		28	9	85	112	4.866	20.81	10.81	68.8	329.0	21.20	744	3,558	1,866	655	313
DF		29	7	86	133	3.528	16.18	10.08	74.6	355.0	21.42	752	3,579	1,885	661	315
DF		30	4	86	120	1.884	9.25	3.77	78.1	350.0	8.38	294	1,319	738	259	116
DF		31	4	84	130	1.764	9.25	4.41	88.3	419.0	11.10	390	1,848	977	343	163
DF		32	1	82	144	.414	2.31	1.24	88.7	420.0	3.14	110	522	276	97	46
DF		33	1	81	114	.389	2.31	.78	119.0	480.0	2.64	93	374	232	82	33
DF		34	1	89	121	.367	2.31	1.10	95.0	473.3	2.98	104	521	262	92	46
DF		35	2	89	115	.692	4.62	1.73	115.1	572.0	5.67	199	990	499	175	87
DF		37	3	84	134	.929	6.94	2.79	112.8	574.4	8.96	314	1,601	788	277	141
DF		38	1	88	133	.294	2.31	.59	173.9	985.0	2.91	102	578	256	90	51
DF		40	1	89	152	.265	2.31	.79	156.9	853.3	3.55	125	678	313	110	60
DF		Totals	86	85	120	59.923	198.82	152.89	52.9	236.8	230.41	8,085	36,200	20,276	7,115	3,186
RA		13	1	67	35	2.127	1.96	2.13	11.3	30.0	.66	24	64	58	21	6
RA		17	1	85	63	1.244	1.96	1.24	40.4	110.0	1.38	50	137	122	44	12
RA		22	1	60	93	.743	1.96	.74	90.4	120.0	1.85	67	89	163	59	8
RA		23	1	78	87	.680	1.96	1.36	51.7	140.0	1.93	70	190	170	62	17
RA		24	2	66	93	1.248	3.92	2.50	33.3	120.0	2.29	83	300	201	73	26
RA		Totals	6	71	66	6.042	11.76	7.97	37.0	97.8	8.11	295	780	714	260	69
WH		34	1	88	121	.187	1.18	.56	102.9	533.3	1.84	58	299	162	51	26
WH		Totals	1	88	121	.187	1.18	.56	102.9	533.3	1.84	58	299	162	51	26
OC		24	1	72	34	.562	1.76									
OC		35	1	79	42	.264	1.76									
OC		Totals	2	74	37	.826	3.53									
Totals			95	84	114	66.977	215.29	161.42	52.3	230.9	240.37	8437	37,278	21,152	7,425	3,281

TC TLOGSTVB

Log Stock Table - MBF

Project: ARTS

T01N R06W S19 T0100 **T01N R06W S19 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	06W	19	UNIT 4	0100	116.00	47	133

Page 1
Date 11/14/2024
Time 10:33:28AM

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+
DF		CO	2	16	12		12	.3									12			
DF		CO	2	20	4		4	.1						4						
DF		CO	2	22	14		14	.3			2	2			11					
DF		CO	2	23	2		2	.0				2								
DF		CO	2	30	21		21	.5											21	
DF		CO	2	35	21		21	.5								21				
DF		CO	2	40	2,920	.3	2,912	67.9						341	700	1062	648	162		
DF		CO	3	20	4		4	.1					4							
DF		CO	3	22	8		8	.2			2		2	5						
DF		CO	3	23	2		2	.0			2									
DF		CO	3	25	2		2	.0				2								
DF		CO	3	32	3		3	.1				3								
DF		CO	3	33	3		3	.1			3									
DF		CO	3	34	8		8	.2			8									
DF		CO	3	36	12		12	.3			12									
DF		CO	3	37	10		10	.2			10									
DF		CO	3	38	7		7	.2			7									
DF		CO	3	40	993	.3	990	23.1			121	328	412	7	98	13	12			
DF		CO	3	41	14		14	.3			14									
DF		CO	4	12	3		3	.1		3	1									
DF		CO	4	14	3		3	.1		3										
DF		CO	4	15	1		1	.0			1									
DF		CO	4	17	10		10	.2		9		1								
DF		CO	4	18	4		4	.1		4										
DF		CO	4	19	9		9	.2		8	1									
DF		CO	4	20	4		4	.1		4										
DF		CO	4	21	1		1	.0			1									
DF		CO	4	22	8		8	.2		6		2								
DF		CO	4	23	2		2	.0		2										
DF		CO	4	24	29		29	.7		18		11								
DF		CO	4	25	15		15	.3		15										
DF		CO	4	26	22		22	.5		22										
DF		CO	4	27	14		14	.3		14										
DF		CO	4	28	8		8	.2		8										
DF		CO	4	29	11		11	.3		11										
DF		CO	4	30	6		6	.1		4	2									
DF		CO	4	31	19		19	.4		16	2									
DF		CO	4	32	11		11	.3		11										
DF		CO	4	33	5		5	.1		5										
DF		CO	4	34	14		14	.3		14										
DF		CO	4	35	6		6	.1		3	3									
DF		CO	4	36	4		4	.1		4										
DF		CO	4	40	31		31	.7		23	9									
DF		Totals			4,298		4,287	97.1		205	199	349	418	356	809	1096	672	162	21	
RA		H	3	40	76		76	59.0					76							
RA		H	4	14	4		4	2.8			4									
RA		H	4	25	7		7	5.7			7									
RA		H	4	40	42		42	32.6				42								
RA		Totals			128		128	2.9			11	42	76							
Total All Species					4,426		4,415	100.0		205	210	391	493	356	809	1096	672	162	21	

TC TSTNDSUM

Stand Table Summary

Project **ARTS**

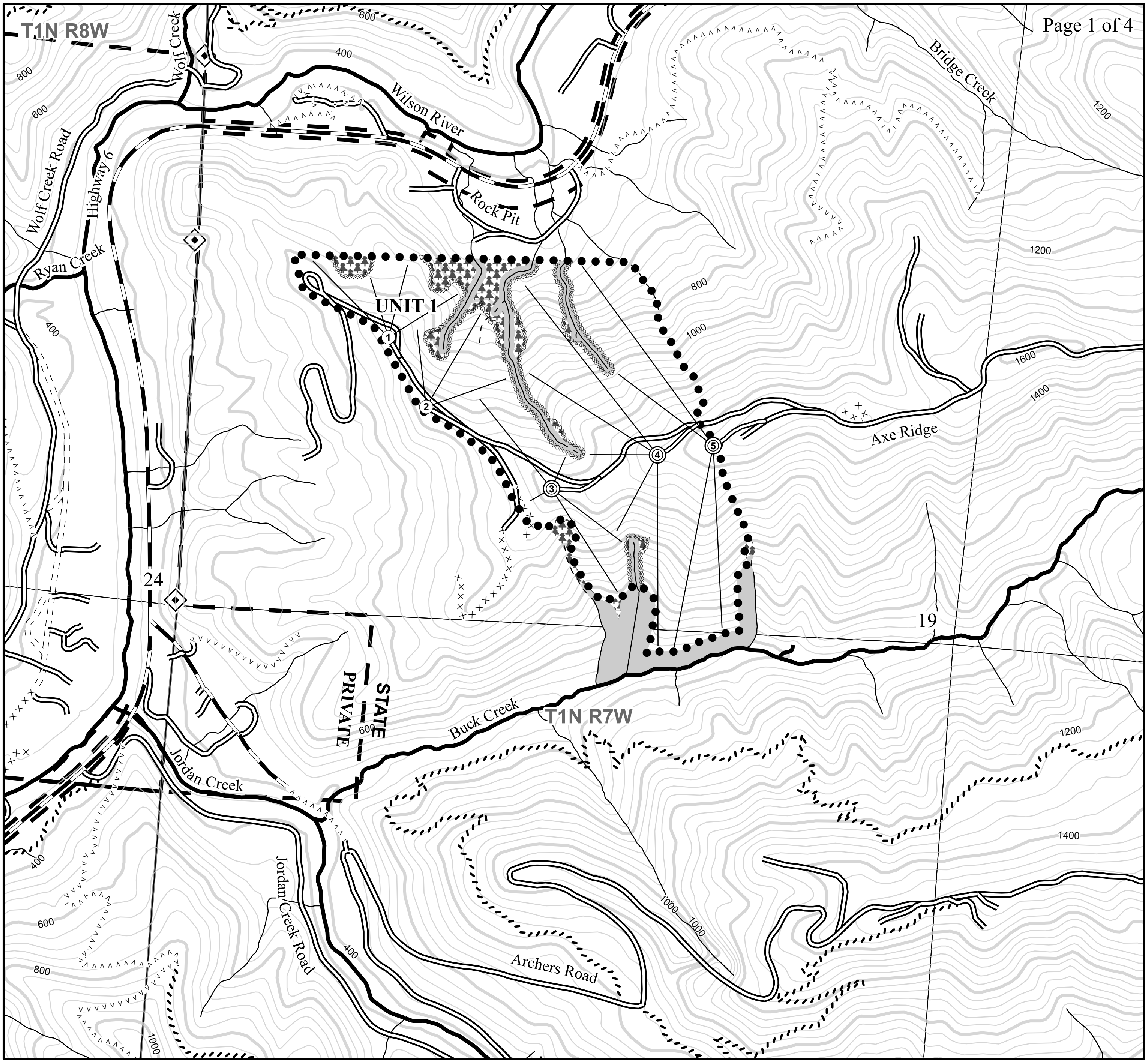
T01N R06W S19 T0100

T01N R06W S19 T0100

Page: **1**
Date: **11/14/2024**
Time: **10:33:30AM**

Twp	**Rge**	**Sec**	**Tract**	**Type**	**Acres**	**Plots**	**Sample Trees**
01N	**06W**	**19**	**UNIT 4**	**0100**	116.00	47	133

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		9	1	83	21	3.409	1.51	3.41	4.1	20.0	.40	14	68	47	16	8
DF		10	1	82	24	2.762	1.51	2.76	5.5	20.0	.43	15	55	50	18	6
DF		11	6	84	84	13.694	9.04	22.82	10.4	40.0	6.77	238	913	785	276	106
DF		12	2	84	87	3.836	3.01	5.75	14.7	53.3	2.41	84	307	279	98	36
DF		13	4	88	95	6.536	6.02	13.07	15.4	63.8	5.74	201	833	666	234	97
DF		14	3	85	90	4.227	4.52	8.45	16.7	63.3	4.01	141	535	466	163	62
DF		15	7	86	97	8.592	10.54	17.18	20.5	83.6	10.06	353	1,436	1,167	409	167
DF		16	3	90	116	3.236	4.52	8.63	21.1	92.5	5.18	182	798	601	211	93
DF		17	2	87	95	1.911	3.01	3.82	27.3	107.5	2.98	104	411	345	121	48
DF		18	2	85	89	1.705	3.01	1.70	46.7	175.0	2.27	80	298	263	92	35
DF		19	4	89	111	3.060	6.02	7.65	31.4	127.0	6.85	240	972	794	279	113
DF		20	10	91	123	6.904	15.06	19.33	34.8	162.1	19.20	674	3,134	2,227	781	364
DF		21	7	89	129	4.384	10.54	13.15	37.4	172.4	14.00	491	2,267	1,624	570	263
DF		22	7	88	117	3.994	10.54	10.84	41.5	179.5	12.81	450	1,946	1,486	521	226
DF		23	6	88	128	3.132	9.04	7.31	51.8	235.7	10.79	378	1,723	1,251	439	200
DF		24	12	89	115	5.753	18.07	14.38	53.9	241.3	22.08	775	3,471	2,562	899	403
DF		25	10	88	132	4.419	15.06	10.60	63.7	296.3	19.24	675	3,142	2,232	783	364
DF		26	7	90	136	2.860	10.54	8.17	62.5	310.0	14.56	511	2,533	1,690	593	294
DF		27	5	89	152	1.894	7.53	6.44	62.1	329.4	11.39	400	2,121	1,322	464	246
DF		28	10	89	126	3.523	15.06	9.16	73.3	361.2	19.14	671	3,308	2,220	779	384
DF		29	3	89	138	.985	4.52	2.96	76.8	392.2	6.47	227	1,159	751	263	134
DF		31	2	90	153	.575	3.01	1.72	94.1	506.7	4.62	162	874	536	188	101
DF		32	4	87	145	1.079	6.02	3.51	87.6	450.0	8.76	307	1,578	1,016	356	183
DF		33	4	87	149	1.014	6.02	2.79	98.4	517.3	7.82	274	1,443	907	318	167
DF		34	2	87	140	.478	3.01	1.43	104.9	551.7	4.28	150	791	497	174	92
DF		36	1	94	160	.213	1.51	.64	140.4	846.7	2.56	90	541	297	104	63
DF		43	1	82	122	.149	1.51	.45	132.9	673.3	1.70	60	302	197	69	35
DF		Totals	126	87	104	94.324	189.79	208.15	38.2	177.6	226.53	7,948	36,959	26,277	9,220	4,287
RA		13	1	83	86	4.001	3.69	4.00	25.4	90.0	2.80	102	360	324	118	42
RA		18	1	82	86	2.087	3.69	4.17	29.6	105.0	3.40	124	438	394	143	51
RA		21	1	77	69	1.533	3.69	3.07	36.0	100.0	3.04	110	307	352	128	36
RA		Totals	3	82	83	7.621	11.06	11.24	29.9	98.3	9.23	336	1,105	1,071	389	128
OC		17	1	64	34	.540	.85									
OC		Totals	1	64	34	.540	.85									
Totals			130	87	102	102.485	201.70	219.39	37.8	173.5	235.76	8284	38,064	27,348	9,610	4,415



Legend

- ◎ Landing To Be Constructed
- ○ Existing Landing
- — Cable Logging
- ● ● ● Timber Sale Boundary
- Riparian Boundary
- ▨ Riparian Buffer
- Green Tree Retention
- Type-F Stream
- Type-N Perennial Stream
- - - - Type-N Seasonal Stream
- Recreation Trail
- Paved Road
- Surfaced Road
- Unsurfaced Road
- v v v v Abandoned Road
- × × × Blocked Road
- 200' Contour
- 40' Contour
- Property_Line

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01114-02
ARCHER'S ROAD
PORTIONS OF SECTION(S) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W,
SECTION(S) 19 of T1N R6W W.M.
TILLAMOOK COUNTY, OREGON

Tillamook District GIS
March 2025

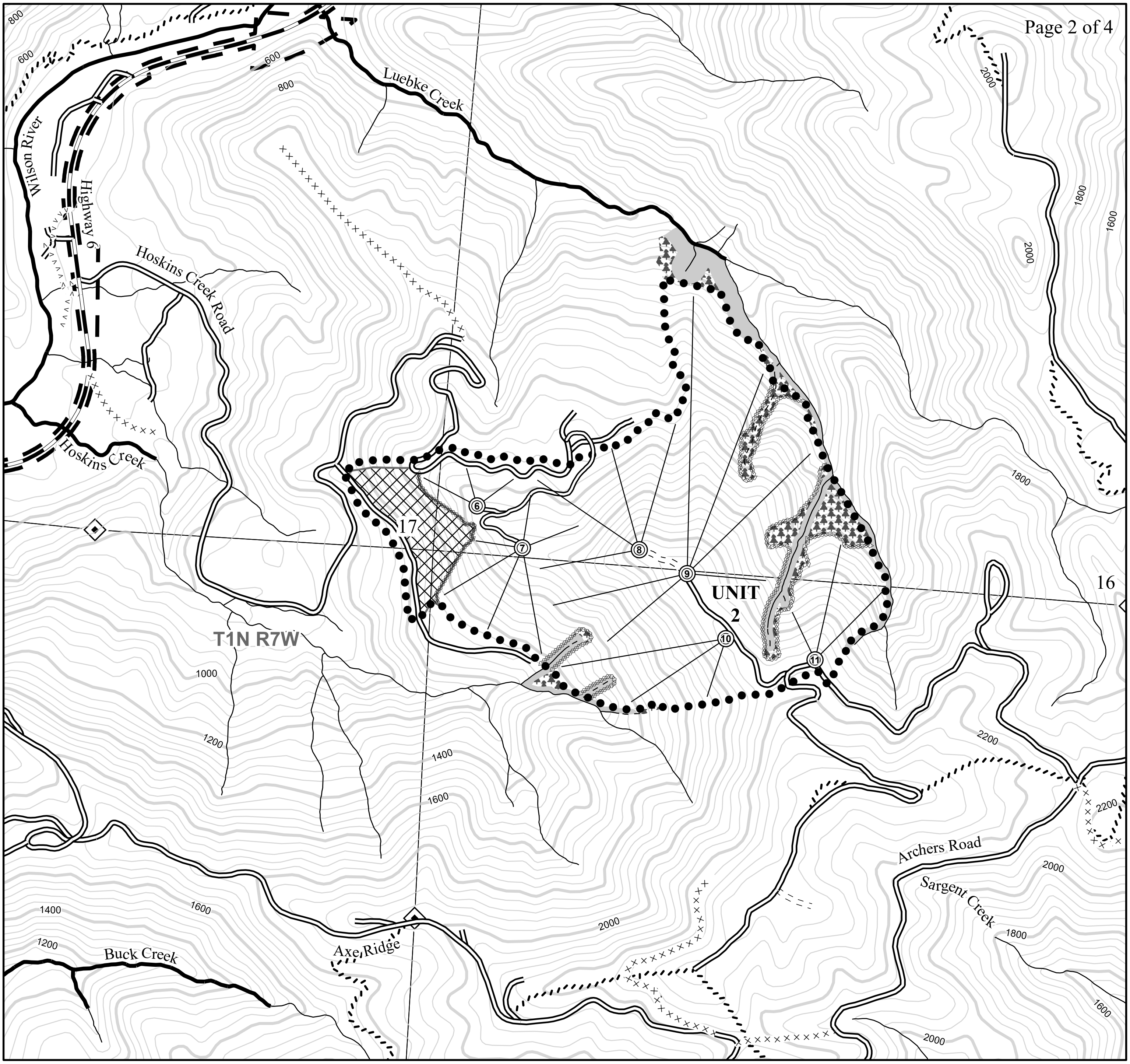
1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	0	82	82
UNIT 2	0	115	115
UNIT 3	46	42	88
UNIT 4	17	99	116
TOTAL	63	338	401



Legend

- ◎ Landing To Be Constructed
- — Cable Logging
- ● ● ● Timber Sale Boundary
- Riparian Boundary
- ▨ Riparian Buffer
- Green Tree Retention Area
- ⊠ No Harvest - Other
- Type-F Stream
- Type-N Perennial Stream
- - - Type-N Seasonal Stream
- Paved Road
- Surfaced Road
- Unsurfaced Road
- v v v v Abandoned Road
- × × × Blocked Road
- Recreation Trail
- 200' Contour
- 40' Contour

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01114-02
ARCHER'S ROAD
PORTIONS OF SECTION(S) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W,
SECTION(S) 19 of T1N R6W W.M.
TILLAMOOK COUNTY, OREGON

Tillamook District GIS
March 2025
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

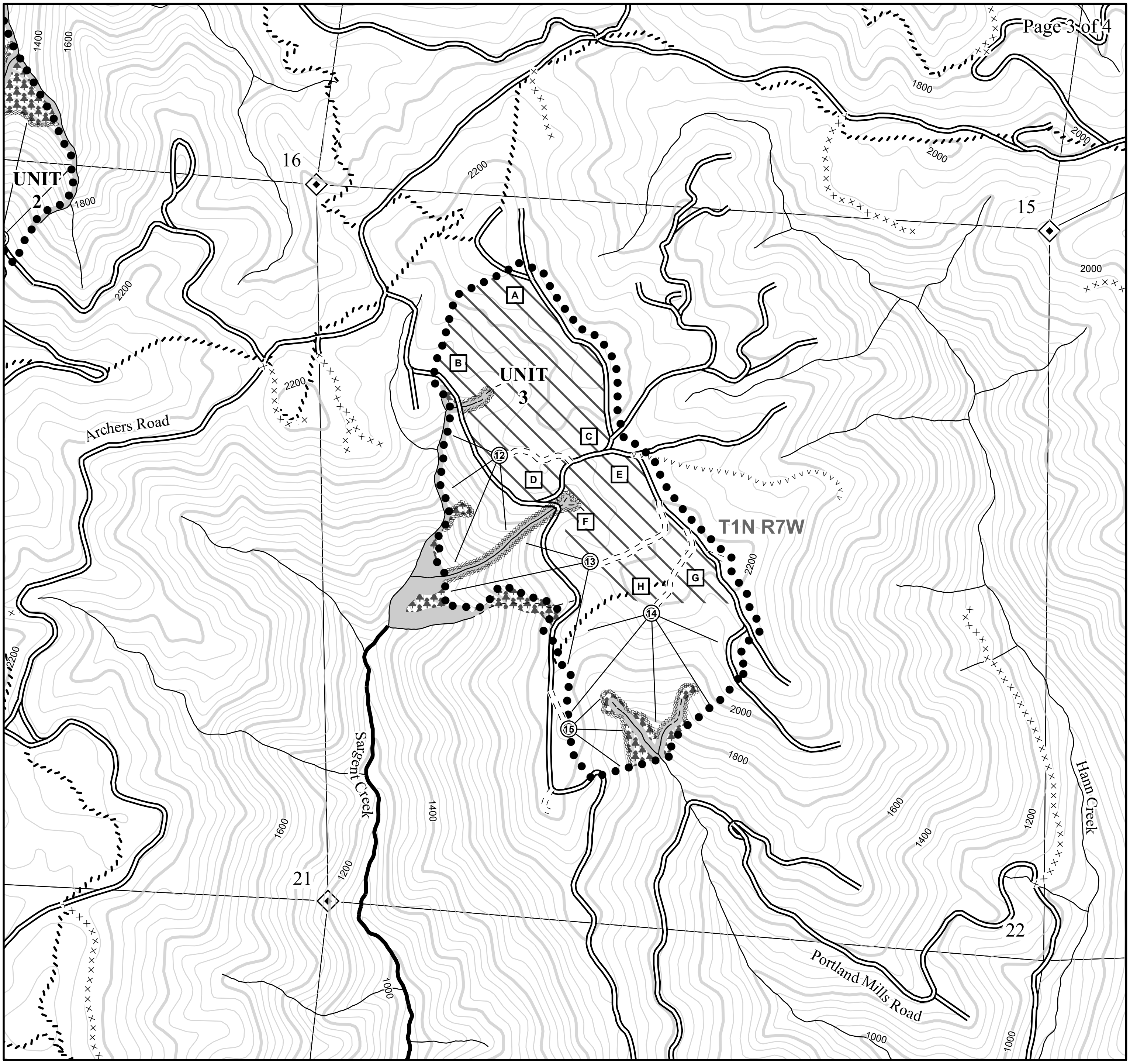
1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	0	82	82
UNIT 2	0	115	115
UNIT 3	46	42	88
UNIT 4	17	99	116
TOTAL	63	338	401



Legend

- ☐ Ground
- ◎ Landing To Be Constructed
- — Cable Logging
- ● ● ● Timber Sale Boundary
- Riparian Boundary
- ╲ Ground Based
- ▨ Riparian Buffer
- Green Tree Retention
- ━ Type-F Stream
- — Type-N Perennial Stream
- - - - Type-N Seasonal Stream
- ═ Surfaced Road
- = = = Unsurfaced Road
- v v v v Abandoned Road
- × × × Blocked Road
- Recreation Trail
- 200' Contour
- 40' Contour

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01114-02
ARCHER'S ROAD
PORTIONS OF SECTION(S) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W,
SECTION(S) 19 of T1N R6W W.M.
TILLAMOOK COUNTY, OREGON

Tillamook District GIS
March 2025
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1 inch = 1,000 feet

0 1,000 2,000 Feet

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	0	82	82
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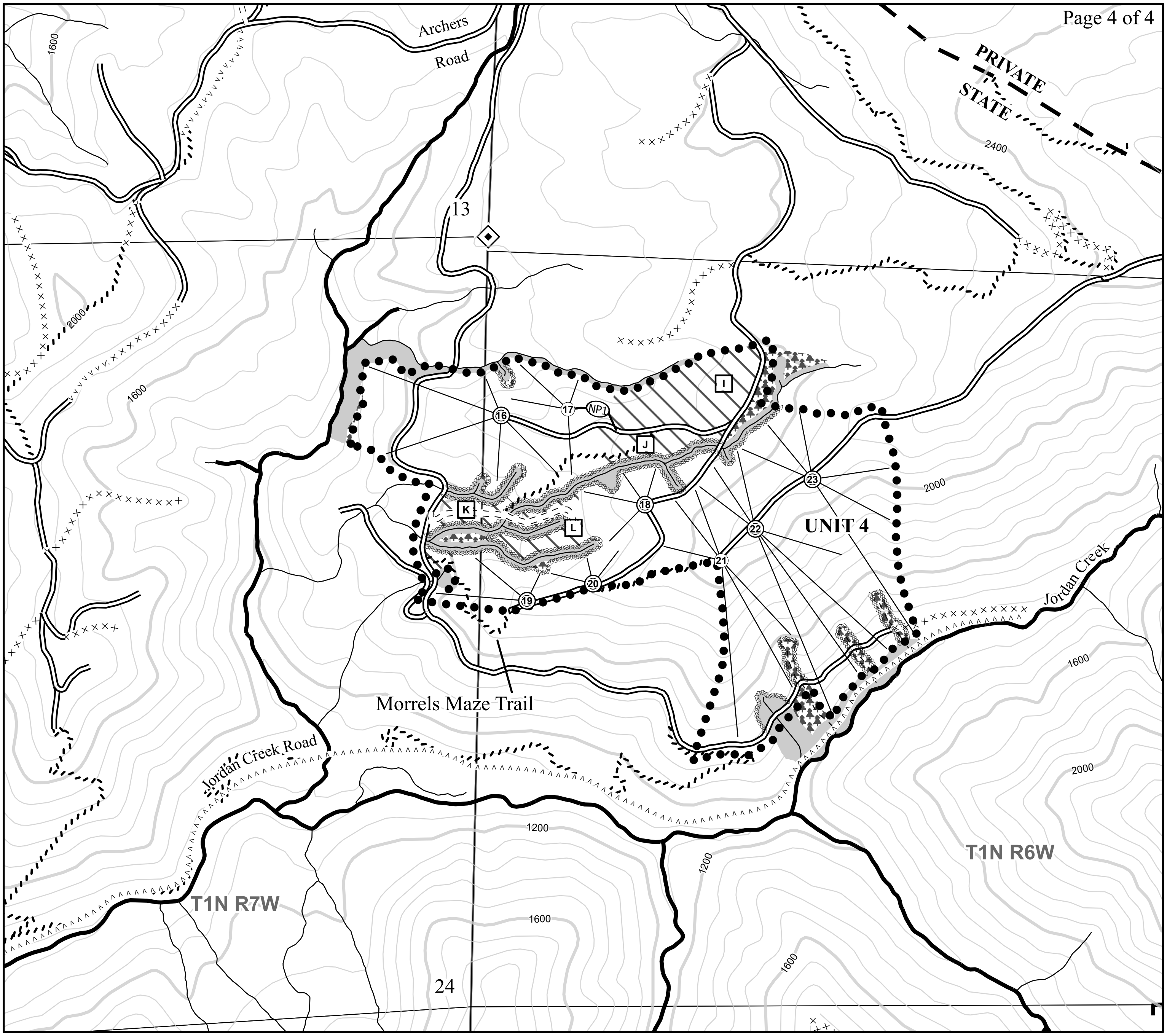
UNIT 4	17	99	116
TOTAL	63	338	401



Legend

- ☐ Ground
- ◎ Landing To Be Constructed
- ○ Existing Landing
- —— Cable Logging
- ●●● Timber Sale Boundary
- Riparian Boundary
- ╲╲ Ground Based
- ▨ Riparian Buffer
- Green Tree Retention
- Type-F Stream
- Type-N Perennial Stream
- - - - Type-N Seasonal Stream
- ═ Surfaced Road
- Unsurfaced Road
- vvvv Abandoned Road
- ××× Blocked Road
- ○ Non-Project Construction
- Recreation Trail
- 200' Contour
- 40' Contour
- Property_Line

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01114-02
ARCHER'S ROAD
PORTIONS OF SECTION(S) 16, 17, 19, 20, 21, 22, 24, 30 of T1N R7W,
SECTION(S) 19 of T1N R6W W.M.
TILLAMOOK COUNTY, OREGON

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March 2025
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1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	0	82	82
UNIT 2	0	115	115
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UNIT 4	17	99	116
TOTAL	63	338	401