Timber Sale Appraisal
Sam Downs

Sale TL-341-2024-W01041-01

District: Tillamook

Date: May 30, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$2,153,283.36	$94,559.58	$2,247,842.94
		Project Work:	($352,620.00)
		Advertised Value:	$1,895,222.94

Timber Sale Appraisal
Sam Downs
Sale TL-341-2024-W01041-01

District: Tillamook **Date: May 30, 2024**

Timber Description

Location: Section(s) 15, 16, 17, 21, 22, 27 of T1N R8W W.M.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	15	0	100
Western Hemlock / Fir	16	0	100
Alder (Red)	13	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	1,995	3,897	0	5,892
Western Hemlock / Fir	24	42	0	66
Alder (Red)	0	0	774	774
Total	2,019	3,939	774	6,732

Comments: Additional Costs – Sam Downs
Pond Values Used: March 2024
Region: Astoria, Forest Grove, and Tillamook
Western red cedar and other cedars stumpage price = $1,360/MBF - $385.43/MBF = $974.57/MBF
Spruce and other conifers stumpage price = $530/MBF - $385.43/MBF =$144.57MBF.

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 to Landing 4: $490/station x 3+98 = $1,950
Non-Project #2 to Landing 8: $560/station x 9+20 = $5,152
Non-Project #3 to Landing 1: $490/station x 1+27 = $622

Machine time to block/waterbar dirt roads and skid trails: 3 x $100/spur = $300
Tail hold dozer move-in: $1,000/machine x 2 machines = $2,000
Unit 4 whole tree skidding from Landings 16, 19, 20: 668 MBF x $14.17/MBF = $9,466

TOTAL Other Costs with profit and risk to be added = $19,490

Other Costs with no Profit and Risk Added:
Slash piling and sorting (Cable Settings): $5/ac x 307 ac. = $1,535
Heliport Construction: $200/unit x 4 unit = $800
Move-in Machine Cleaning: $1,000/machine x 2 machines x 2 season = $4,000

Ditch Cleaning and Bank Sluff Removal:
Mobilization: two time – dump truck w/ tilt bed & small excavator: $950 x 2 = $1,900
Small excavator (Cat 312 or equivalent): 40 hours @ $145/hr = $5,800
Dump truck: 40 hours @ $95/ hour = $3,800

TOTAL Other Costs with no Profit and Risk added = $17,835

ODF Road Maintenance
Spot Rocking: 20cy/MMBF/mile x 6.732 MMBF x $16.00/cy x 8 miles /6,732 MBF = $2.56/MBF
Interim Grading: $1,150/mile x 8 miles x 2 times/6,732 MBF = $2.73/MBF
Final Maintenance Grading: $1,500/mile x 9 miles/ 6,732 MBF = $2.01/MBF
Final Maintenance Compaction: $1,000/mile x 9 miles/6,732 MBF = $1.34/MBF
Total Road Maintenance: = $8.64/MBF

District: Tillamook **Date: May 30, 2024**

Logging Conditions

Combination#: 1

Douglas - Fir	80.96%
Western Hemlock / Fir	77.71%
Alder (Red)	66.86%

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: 8 **bd. ft / load:** 4300
cost / mbf: $249.39
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Large)

Combination#: 2

Douglas - Fir	18.65%
Western Hemlock / Fir	22.29%
Alder (Red)	33.03%

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: 11 **bd. ft / load:** 4300
cost / mbf: $181.37
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Large)

Combination#: 3

Douglas - Fir	0.39%
Alder (Red)	0.10%

Logging System: Shovel **Process:** Harvester Head Delimbing
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 19 **bd. ft / load:** 4300
cost / mbf: $122.40
machines: Forwarder
Harvester

Timber Sale Appraisal
Sam Downs
Sale TL-341-2024-W01041-01

District: Tillamook **Date: May 30, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$352,620.00	**Other Costs (P/R):**	$19,490.00
Slash Disposal:	$0.00	**Other Costs:**	$17,835.00

Miles of Road

Road Maintenance: $8.64

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	4.3
Alder (Red)	$0.00	3.0	4.3

Timber Sale Appraisal
Sam Downs

Sale TL-341-2024-W01041-01

District: Tillamook

Date: May 30, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$236.21	$8.64	$1.30	$96.90	$2.90	$34.60	$0.00	$2.00	$2.65	$385.20
Western Hemlock / Fir									
$234.23	$8.64	$1.30	$96.90	$2.90	$34.40	$0.00	$2.00	$2.65	$383.02
Alder (Red)									
$226.79	$8.64	$1.30	$96.90	$2.90	$33.65	$0.00	$2.00	$2.65	$374.83

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$748.88	$363.68	$0.00
Western Hemlock / Fir	$0.00	$541.82	$158.80	$0.00
Alder (Red)	$0.00	$497.00	$122.17	$0.00

Timber Sale Appraisal
Sam Downs
Sale TL-341-2024-W01041-01

District: Tillamook **Date: May 30, 2024**

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	5,892	$363.68	$2,142,802.56
Western Hemlock / Fir	66	$158.80	$10,480.80
Alder (Red)	774	$122.17	$94,559.58

Gross Timber Sale Value

Recovery: $2,247,842.94

Prepared By: Nathan Atchison **Phone:** 971-977-9825

"STEWARDSHIP IN FORESTRY"

PROJECT SUMMARY SHEET

Sale: Sam Downs

CONSTRUCTION

Point	E to F	6+00	stations =	$12,320.60
Point	I to J	3+40	stations =	$4,636.10
Point	K to L	4+40	stations =	$14,048.00
Point	M to N	10+00	stations =	$68,278.00
Point	O to P	1+50	stations =	$1,617.70
Point	Q to R	3+60	stations =	$17,484.48
			SUBTOTAL CONSTRUCTION	**$118,384.88**

IMPROVEMENT

Point	A to B	316+50	stations =	$101,434.82
Point	C to D	38+10	stations =	$4,018.78
Point	G to H	17+50	stations =	$6,211.10
Point	I to J	48+60	stations =	$67,672.65
Point	S to T	45+15	stations =	$7,260.07
			SUBTOTAL IMPROVEMENT	**$186,597.42**

SPECIAL PROJECTS

Project 1 - Waste Area Preperation			$1,400.00
Project 2 - Construct 1000 CY Jaw Run Stockpile			$15,770.00
Proj. 4 Brush	5.50	miles of road	$6,407.50
Project 5 - Install Gate			$500.00
Project 6 - Post Haul Maintenance			$1,600.00
Project 7 - Incidental Storm Repairs			$14,315.00
		SUBTOTAL SPECIAL PROJECTS	**$39,992.50**

MOVE IN **$7,645.20**

GRAND TOTAL **$352,620.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **A to B**

Construction -	0+00	stations	Improvement -	316+50	stations	Reconstruction -	0+00	stations
	0.00	miles		5.99	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Side cast	0.100	acres @	$955.00	per acre =	$95.50		
				TOTAL CLEARING AND GRUBBING			**$95.50**

IMPROVEMENT: EXCAVATION/ENDHAUL -

Excavate/Endhaul Ditch - 148+55 to 259+30	110.75	sta. @	$50.00	per sta. =	$5,537.50		
Pullback	62	cy. @	$2.20	per c.y.=	$136.40		
Widening - 259+30 to 288+75	270	cy. @	$2.20	per c.y.=	$594.00		
Rock Wall Widening & Endhaul - Hammer, Excavator, 2 Trucks	24	hr. @	$710.00	per hr.=	$17,040.00		
				TOTAL EXCAVATION			**$23,307.90**

IMPROVEMENT: ENDHAUL -

Pullback	228+40	to	229+25	62	cy. @	$1.27	per c.y.=	$78.74
Widening	259+30	to	288+75	270	cy. @	$4.51	per c.y.=	$1,217.70
Remove outside berm	288+50	to	290+50	24	cy. @	$1.27	per c.y.=	$30.48
Spread & compact				356	cy. @	$0.55	per c.y.=	$195.80
	0+06						**TOTAL ENDHAUL**	**$1,522.72**

CULVERTS - MATERIALS & INSTALLATION

Culverts							
30	LF of 18"	$757.50		150	LF of 24"	$5,737.50	
		$757.50				$5,737.50	
Half Rounds							
Culvert Stakes & Markers							
0	stakes	$0.00					
5	markers	$45.00					
					TOTAL CULVERTS		**$6,540.00**

ROCK

0+00 to	39+60	470	cy. of	Crushed	@	$11.62	per c.y.=	$5,461.40
39+60 to	148+55	2,440	cy. of	Crushed	@	$13.19	per c.y.=	$32,183.60
204+35 to	248+50	520	cy. of	Crushed	@	$16.29	per c.y.=	$8,470.80
Culvert Backfill	All Culverts	90	cy. of	Crushed	@	$12.73	per c.y.=	$1,145.70
Landing Rock	173+40	80	cy. of	Pit-Run	@	$9.58	per c.y.=	$766.40
Landing Rock	288+75	80	cy. of	Jaw Run	@	$18.03	per c.y.=	$1,442.40
Spot Rock	TBD	100	cy. of	Crushed	@	$14.89	per c.y.=	$1,489.00
Energy Diss./Embank Fill	112+20,233+15,245+85	30	cy. of	Riprap	@	$14.55	per c.y.=	$436.50
							TOTAL ROCK	**$51,395.80**

SPECIAL PROJECTS

Repair Culvert Outlets & Stream Xing Belting	6.00	hours @	$45.00	per hour	$270.00	
Replace 15 Culvert Markers	15	@	$9.00		$135.00	
Construct Landings -173+40 & 288+75	12.00	hours @	$270.00	per hour	$3,240.00	
Grade and shape road -	316.50	stations @	$24.40	per station	$7,722.60	
Roll subgrade w/ vibratory roller prior to rocking -	316.50	stations @	$19.40	per station	$6,140.10	
Remove culverts from state lands	5.00	@	$947.70	total	$947.70	
Grass seed and fertilize -	0.10	acres @	$310.00	per acre	$31.00	
Mulching -	0.10	acres @	$865.00	per acre	$86.50	
				TOTAL SPECIAL PROJECTS		**$18,572.90**

GRAND TOTAL **$101,434.82**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **C to D**

Construction -	0+00	stations	Improvement -	38+10	stations	Reconstruction -	0+00	stations
	0.00	miles		0.72	miles		0.00	miles

ROCK

Landing Rock	20+50	100	cy. of	Pit-Run	@	$10.30	per c.y.=	$1,030.00	
								TOTAL ROCK	**$1,030.00**

SPECIAL PROJECTS

Improve Landing @ 20+50	6.00	hours @	$220.00	per hour	$1,320.00
Grade and shape road -	38.10	stations @	$24.40	per station	$929.64
Roll subgrade w/ vibratory roller prior to rocking -	38.10	stations @	$19.40	per station	$739.14
				TOTAL SPECIAL PROJECTS	**$2,988.78**

GRAND TOTAL **$4,018.78**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **E to F**

Construction -	6+00	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		6+00	45%	0.0	Outslope	$414	=	$2,484.00	
								TOTAL	**$2,484.00**

ROCK

0+00	to	6+00	330	cy. of	Jaw Run	@	$20.40	per c.y.=	$6,732.00		
Landing Rock		6+00	100	cy. of	Jaw Run	@	$18.75	per c.y.=	$1,875.00		
									TOTAL ROCK	**$8,607.00**

SPECIAL PROJECTS

Construct Landing -	4.00	hours @	$220.00	per hour	$880.00
Grade and shape road -	6.00	stations @	$24.40	per station	$146.40
Roll subgrade w/ vibratory roller prior to rocking -	6.00	stations @	$19.40	per station	$116.40
Grass seed and fertilize -	0.28	acres @	$310.00	per acre	$86.80
				TOTAL SPECIAL PROJECTS	**$1,229.60**

GRAND TOTAL **$12,320.60**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **G to H**

Construction -	0+00	stations	Improvement -	17+50	stations	Reconstruction -	0+00	stations
	0.00	miles		0.33	miles		0.00	miles

Excavate/Endhaul Ditch - 0+00 to 9+00					9.00	sta. @	$75.00	per sta. =	$675.00	
								TOTAL	**EXCAVATION**	**$675.00**
ROCK										
0+00 to	12+60	160	cy. of	Crushed		@	$15.76	per c.y.=	$2,521.60	
Step Landing Rock	12+00	80	cy. of	Jaw Run		@	$17.10	per c.y.=	$1,368.00	
									TOTAL ROCK	**$3,889.60**
SPECIAL PROJECTS										
Construct Step Landing -					4.00	hours @	$220.00	per hour	$880.00	
Grade and shape road -					17.50	stations @	$24.40	per station	$427.00	
Roll subgrade w/ vibratory roller prior to rocking -					17.50	stations @	$19.40	per station	$339.50	
									TOTAL SPECIAL PROJECTS	**$1,646.50**
								GRAND TOTAL		**$6,211.10**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **I to J**

Construction -	3+40	stations	Improvement -	48+60	stations	Reconstruction -	0+00	stations
	0.06	miles		0.92	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			
48+60		52+00	35%			$294	=	$999.60	
							TOTAL		**$999.60**

IMPROVEMENT: CLEARING AND GRUBBING -

Roadside Alder Removal & Haul to WA -36+90 to Pt J (52+00)	8.00	hours	@	$270.00	per hour =	$2,160.00	
Side cast	0.400	acres	@	$955.00	per acre =	$382.00	
Widening	0.229	Hours	@	$955.00	per acre =	$218.70	
Scattering	0.200	acres	@	$1,415.00	per acre =	$283.00	
					TOTAL CLEARING AND GRUBBING		**$3,043.70**

IMPROVEMENT: EXCAVATION -

Pullback	1257	cy.	@	$2.20	per c.y.=	$2,765.40	
Widening & Rock Hammer	241	cy.	@	$6.20	per c.y.=	$1,494.20	
					TOTAL EXCAVATION		**$4,259.60**

IMPROVEMENT: ENDHAUL -

Pullback	16+75	to	20+95	455	cy.	@	$5.05	per c.y.=	$2,297.75	
Pullback	24+65	to	32+05	802	cy.	@	$5.05	per c.y.=	$4,050.10	
Widening & Rock Hammer	0+00	to	33+25	241	cy.	@	$5.05	per c.y.=	$1,217.05	
Spread & compact	5.50			1498	cy.	@	$0.55	per c.y.=	$823.90	
								TOTAL ENDHAUL		**$8,388.80**

CULVERTS - MATERIALS & INSTALLATION

Culverts									
	30	LF of 18"	$757.50			30	LF of 24"	$1,147.50	
			$757.50					$1,147.50	
Culvert Stakes & Markers									
	2	markers	$18.00						
								TOTAL CULVERTS	**$1,923.00**

ROCK

0+00 to	48+60	2,300	cy. of	Jaw Run	@	$18.09	per c.y.=	$41,607.00	
Landing Rock	TBD	80	cy. of	Jaw Run	@	$17.85	per c.y.=	$1,428.00	
Landing Rock	TBD	80	cy. of	Jaw Run	@	$18.15	per c.y.=	$1,452.00	
Landing Rock	TBD	80	cy. of	Jaw Run	@	$17.85	per c.y.=	$1,428.00	
Culvert Backfill	4+35,17+30	30	cy. of	Crushed	@	$15.27	per c.y.=	$458.10	
Slope Stabilization	26+00	30	cy. of	Riprap	@	$11.14	per c.y.=	$334.20	
Energy Dissipator	4+35,17+30	10	cy. of	Riprap	@	$11.14	per c.y.=	$111.40	
Leveling	TBD	70	cy. of	Jaw Run	@	$17.70	per c.y.=	$1,239.00	
							TOTAL ROCK		**$48,057.70**

SPECIAL PROJECTS

Replace 8 Culvert Markers	8	@	$9.00		$135.00	
Construct Landings	8	hours @	$220.00	per hour	$1,760.00	
Grade and shape road -	52.00	stations @	$24.40	per station	$1,268.80	
Roll subgrade w/ vibratory roller prior to rocking -	52.00	stations @	$19.40	per station	$1,008.80	
Remove culverts from state lands	2.00	@	$723.50	total	$723.50	
Grass seed and fertilize -	0.63	acres @	$310.00	per acre	$195.30	
Mulching -	0.630	acres @	$865.00	per acre	$544.95	
				TOTAL SPECIAL PROJECTS		**$5,636.35**

GRAND TOTAL **$72,308.75**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **K to L**

Construction -	4+40	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.08	miles		0.00	miles		0.00	miles

CONSTRUCTION: Clearing, Grubbing, Enhaul Stumps, Excavation, Compaction, loading, End-Hauling, Spreading & Compacting At Waste Area

Station	to	Station	Approx. End Haul Amount	Cost per Station			
0+00		4+40	**830 CY**	$2,694	=	$11,853.60	
						TOTAL	**$11,853.60**

ROCK

Landing Rock	TBD	80	cy. of	Jaw Run	@	$16.43	per c.y.=	$1,314.40		
								TOTAL ROCK	**$1,314.40**	

SPECIAL PROJECTS

Processing Landing	2.00	hours @	$220.00	each	$440.00		
Waterbar & Block Road Upon Completion of Logging	2.00	hours @	$220.00	per hour	$440.00		
					TOTAL SPECIAL PROJECTS		**$880.00**

GRAND TOTAL **$14,048.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **M to N**

Construction -	10+00	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.19	miles		0.00	miles		0.00	miles

CONSTRUCTION: Clearing, Grubbing, Enhaul Stumps, Excavation, Drill and Shoot, Compaction, loading, End-Hauling, Spreading & Compacting At Waste Area

Station	to	Station	Approx. End Haul Amoun	Cost per Station			
0+00		10+00	**5940 CY**	$6,784	=	$67,840.00	
						TOTAL	**$67,840.00**

ROCK

SPECIAL PROJECTS

Grade and shape road -	10.00	stations @	$24.40	per station	$244.00	
Roll subgrade w/ vibratory roller prior to rocking -	10.00	stations @	$19.40	per station	$194.00	
					TOTAL SPECIAL PROJECTS	**$438.00**

GRAND TOTAL **$68,278.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **O to P**

Construction -	1+50	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.03	miles		0.00	miles		0.00	miles

CONSTRUCTION: Clearing, Grubbing, Enhaul Stumps, Excavation, Drill and Shoot, Compaction, loading, End-Hauling, Spreading & Compacting At Waste Area

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station				
0+00		1+50				$700	=		$1,050.00	
									TOTAL	**$1,050.00**

SPECIAL PROJECTS

Construct Landing -	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	1.50	stations @	$24.40	per station	$36.60	
Roll subgrade w/ vibratory roller prior to rocking -	1.50	stations @	$19.40	per station	$29.10	
Grass seed and fertilize -	0.20	acres @	$310.00	per acre	$62.00	
				TOTAL SPECIAL PROJECTS		**$567.70**

GRAND TOTAL **$1,617.70**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **Q to R**

Construction -	3+60	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.07	miles		0.00	miles		0.00	miles

CONSTRUCTION: Clearing, Grubbing, Enhaul Stumps, Excavation, Drill and Shoot, Compaction, loading, End-Hauling, Spreading & Compacting At Waste Area

Station	to	Station	Approx. CY End Haul Amount	Cost per Station			
0+00		3+60	**1390 CY**	$4,813	=	$17,326.80	
						TOTAL	**$17,326.80**

SPECIAL PROJECTS

Grade and shape road -	3.60	stations @	$24.40	per station	$87.84	
Roll subgrade w/ vibratory roller prior to rocking -	3.60	stations @	$19.40	per station	$69.84	
				TOTAL SPECIAL PROJECTS		**$157.68**

GRAND TOTAL **$17,484.48**

SUMMARY OF CONSTRUCTION COST

Sale: **Sam Downs** Road: **S to T**

Construction -	0+00	stations	Improvement -	45+15	stations	Reconstruction -	0+00	stations
	0.00	miles		0.86	miles		0.00	miles

Re-Open Blocked Road					45.15	sta. @	$30.00	per sta. =	$1,354.50	
								TOTAL	**EXCAVATION**	**$1,354.50**
ROCK										
0+00 to	1+00	50	cy. of	Jaw Run		@	$20.60	per c.y.=	$1,030.00	
Spot Rock	TBD	50	cy. of	Jaw Run		@	$20.60	per c.y.=	$1,030.00	
Landing Rock	TBD	80	cy. of	Jaw Run		@	$20.60	per c.y.=	$1,648.00	
									TOTAL ROCK	**$3,708.00**
SPECIAL PROJECTS										
Construct and Rock Landing Near Point S -					1		$220.00	each	$220.00	
Grade and shape road -					45.15	stations @	$24.40	per station	$1,101.66	
Roll subgrade w/ vibratory roller prior to rocking -					45.15	stations @	$19.40	per station	$875.91	
									TOTAL SPECIAL PROJECTS	**$2,197.57**
								GRAND TOTAL		**$7,260.07**

2"-0" CRUSHED ROCK STOCKPILE COST SUMMARY

Pit:	Crushed		Location:	Jordan Creek 1.5 Mile Stockpile	
Sale:	**Sam Downs**			Road:	3910 c.y.
Shirinkage	1.16			Total Truck Loads:	3910 c.y.
Load Dump Truck:		$1.20 /cu.yd.	x	3910 cu.yds. =	$4,692.00
Move in Loader		1	@	$600.00 =	$600.00
				TOTAL PRODUCTION COSTS	$5,292.00
Base Cost=	$1.35	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 0 3960 (Crushed)	6.72	3.55	1.35	11.62	470		$5,461.40
A to B 3960 14855 (Crushed)	8.29	3.55	1.35	13.19	2440		$32,183.60
A to B 20435 24850 (Crushed)	11.39	3.55	1.35	16.29	520		$8,470.80
A to B Culvert Backfill (Crushed)	9.73	1.65	1.35	12.73	90		$1,145.70
A to B Spot Rock (Crushed)	9.99	3.55	1.35	14.89	200		$2,978.00
G to H 0 1260 (Crushed)	10.86	3.55	1.35	15.76	160		$2,521.60
I to J Culvert Backfill (Crushed)	12.27	1.65	1.35	15.27	30		$458.10
				Total C.Y.	3910	Sub Total	$53,219.20
					TOTAL ROCKING COSTS		$53,219.20

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Jaw_run	Location:	SW 1/4, NE 1/4 Sec 16. , T1N, R8W, W.M.	
Sale:	**Sam Downs**		Road:	2770 c.y.
Swell:	1.40		Stockpile:	1000 c.y.
Shirinkage	1.16		Total Truck Loads:	3770 c.y.
Drill Pct.:	80%		In Place Total:	2693 c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread							$2,520.00
Drill & Shoot:	$3.60	/cu.yd.	x	2154	cu.yds.	=	$7,754.40
Rip Rock:	$3.35	/cu.yd.	x	539	cu.yds.	=	$1,805.65
Load Crusher:	$1.20	/cu.yd.	x	3770	cu.yds.	=	$4,524.00
Crush Rock:	$4.00	/cu.yd.	x	3770	cu.yds.	=	$15,080.00
Load Dump Truck:	$1.20	/cu.yd.	x	3770	cu.yds.	=	$4,524.00
Oversize Reduction:	$6.70	/cu.yd.	x	0	cu.yds.	=	$0.00
						Subtotal	$36,208.05

Move In/Set-up Jaw	1	@	$2,121.00	=	$2,121.00
Move In and set up Drill and Compressor	1	@	$1,436.12	=	$1,436.12
Move in Roller and Compactor	1	@	$737.28	=	$737.28
Move in Grader	1	@	$1,365.43	=	$1,365.43
Move in Loader	1	@	$1,452.17	=	$1,452.17
Move in Excavator	1	@	$1,579.67	=	$1,579.67
Move in Trucks	4	@	$276.86	=	$1,107.44
Move in Water Truck	1	@	$276.86	=	$276.86
				Subtotal	$10,075.97

TOTAL PRODUCTION COSTS	$46,284.02

Base Cost= $12.28 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 Landing Rock (Jaw Run)	3.55	2.20	12.28	18.03	80		$1,442.40
E to F 0 600 (Jaw Run)	4.57	3.55	12.28	20.40	330		$6,732.00
E to F Landing Rock (Jaw Run)	4.57	1.90	12.28	18.75	100		$1,875.00
G to H Step Landing Rock (Jaw Run)	2.92	1.90	12.28	17.10	80		$1,368.00
I to J 0 4860 (Jaw Run)	3.61	2.20	12.28	18.09	2300		$41,607.00
I to J Landing Rock (Jaw Run)	3.67	1.90	12.28	17.85	80		$1,428.00
I to J Landing Rock (Jaw Run)	3.97	1.90	12.28	18.15	80		$1,452.00
I to J Landing Rock (Jaw Run)	3.67	1.90	12.28	17.85	80		$1,428.00
I to J Leveling (Jaw Run)	3.52	1.90	12.28	17.70	70		$1,239.00
K to L Landing Rock (Jaw Run)	2.25	1.90	12.28	16.43	80		$1,314.40
Jaw Run Stockpile	1.99	1.50	12.28	15.77	1000		$15,770.00
S to T 0 100 (Jaw Run)	6.42	1.90	12.28	20.60	50		$1,030.00
S to T Spot Rock (Jaw Run)	6.42	1.90	12.28	20.60	50		$1,030.00
S to T Landing Rock (Jaw Run)	6.42	1.90	12.28	20.60	80		$1,648.00
				Total C.Y.	4460	Sub Total	$79,363.80

	TOTAL ROCKING COSTS	$79,363.80

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Pit_run		Location:	Sections 15, T1N, R8W, W.M.	
Sale:	**Sam Downs**			Road:	250 c.y.
Swell:	1.40			Stockpile:	c.y.
Shirinkage	1.16			Total Truck Loads:	250 c.y.
Drill Pct.:	0%			In Place Total:	179 c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread and compact. $523.47

Rip Rock:	$3.35	/cu.yd.	x	179	cu.yds.	=	$599.65
Load Dump Truck:	$1.20	/cu.yd.	x	250	cu.yds.	=	$300.00

TOTAL PRODUCTION COSTS $1,423.12

Base Cost= $5.69 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 Landing Rock (Pit-Run)	1.99	1.90	5.69	9.58	80		$766.40
A to B Energy Diss./Embank Fill (Riprap)	6.66	2.20	5.69	14.55	30		$436.50
C to D Landing Rock (Pit-Run)	2.71	1.90	5.69	10.30	100		$1,030.00
I to J Slope Stabilization (Riprap)	3.25	2.20	5.69	11.14	30		$334.20
I to J Energy Dissipator (Riprap)	3.25	2.20	5.69	11.14	10		$111.40
				Total C.Y.	250	Sub Total	$2,678.50

TOTAL ROCKING COSTS $2,678.50

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

Sale: **Sam Downs**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
36.0	Pavement	30
0.0	Main Lines	7
12.0	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	Brush Cutter	$1,178.31		$4.50	0.00	0.00	0	$0.00	$1,178.31
1	Excavators (Large)	$1,579.67	1	$50.00	0.00	3.00	3	$150.00	$1,729.67
1	Tractors (D6)	$1,544.80	2	$8.00	0.00	0.00	0	$0.00	$1,544.80
1	Tractor (D8)	$1,659.47	2	$16.75	0.00	3.00	3	$50.25	$1,709.72
4	Dump Truck (10 cy +)	$1,109.23		$3.25	0.00	3.00	3	$39.00	$1,148.23
1	Water Truck (2500 Gal)	$320.57		$3.00	0.00	3.00	3	$9.00	$329.57
					TOTAL MOVE-IN COSTS:				$7,645.20

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
Sam Downs

1. Type of Sale

Regeneration harvest, Recovery

2. Legal Description

Sections 15, 16, 17, 21, 22, 27 of T1N R8W W.M.

3. Sale Acreage

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

	ACRES	
	Gross	Net
Unit 1 (Modified Clearcut)	132	102
Unit 2 (Modified Clearcut)	140	99
Unit 3 (Modified Clearcut)	44	29
Unit 4 (Modified Clearcut)	110	77
Total	426	307

Gross Acres

Area within the Timber Sale Boundary signs

Net acres

Used for calculating the advertised volume.

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

4. Cruising Procedures

A. Cruise Method

The timber sale was cruised using variable plot sampling. The unit was cruised by ODF staff February to March 2024. 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	350’ x 350’
2	40.00	275’ x 275’
3	27.7	300’ x 300’
4	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.

5. Computation Procedure

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

Net sale acreage was used for volume calculation.

	Cruise Statistics (Board Foot Volumes)			
Unit	Acres	Number of Plots	SE (%)	CV (%)
1	102	29	5.2	27.7
2	99	45	7.1	47.4
3	29	15	17.5	65.5
4	77	34	7.5	43.5
Project Total	307	123	9.3	46.0

6. Hidden Defect and Breakage

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

7. Timber Description

Unit 1 is modified clearcut. The Unit is Douglas-fir dominated stand, with minor component of red alder. This stand was planted between 1962-1963 and was thinned with Berry Cobbler in 2009.

Unit 2 is modified clearcut. The Unit is a mixed stand with Douglas-fir and red alder and a minor component of western hemlock and Sitka spruce (reserved). Unit 2 was planted between 1962-1963, with no other management. Cruise indicated approximately 100 Sitka Spruce in unit 2.

Unit 3 is modified clearcut. The Unit is mixed stand of Douglas-fir
and red alder and a minor component of western hemlock. Unit 3 was planted between 1962-1963, with no other management.

Unit 4 is modified clearcut. The Unit is mixed stand of Douglas-fir and red alder and a minor component of western hemlock and Sitka spruce (reserved). The stand was planted between 1962-63 with no other management. Cruise indicated approximately 174 Sitka Spruce in Unit 4.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)	Merchantable top (inches inside bark)
1	60	Douglas-fir	17.8	83	5
		Red alder	13.1	54	6
2	60	Douglas-fir	13.8	59	5
		Western hemlock	17.7	74	5
		Red alder	15.8	49	6
3	60	Douglas-fir	13.6	61	5
		Western Hemlock	16.0	67	5
		Red alder	16.3	55	6
4	63	Douglas-fir	15.3	77	5
		Western Hemlock	12.8	50	5
		Red alder	15.8	54	6

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

8. Cruiser /Dates

ODF Staff Cruised; February-April 2023.

Revenue Distribution

BOF – 100%

Tax Code: 5600 (100%)

Deed Numbers: 161

Attachments

Volume Summary Table

Stand Table

Log Stock Table

Species, Sort, Grade Table

Logging Plan

9. Stand and Log Stock Tables Species Key

DF – Douglas-fir
RA – Red alder
WH- Western Hemlock
OC – Other Conifer
SS- Sitka Spruce Leave

"STEWARDSHIP IN FORESTRY"

Sam Downs

Volume Summary

Unit 1-Modified Clearcut				
		102 acres		
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	22.75	2314	1%	2291
Hemlock		0	2%	0
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	0.79	80	2%	78
TOTAL	23.54	2394.0		2369

Unit 2-Modified Clearcut				
		99 acres		
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	18.52	1826	1%	1808
Hemlock	0.34	33	1%	33
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	2.89	285	2%	279
TOTAL	21.75	2144		2120

Unit 3- Modified Clearcut				
		29 acres		
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	10.84	319	1%	316
Hemlock	0.34	10	1%	10
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	7.27	214	2%	210
TOTAL	18.45	543		536

"STEWARDSHIP IN FORESTRY"

Sam Downs

Volume Summary

Areas 4-Harvest Type				
		77 acres		
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	19.4	1492	1%	1477
Hemlock	0.3	23	1%	23
Spruce		0	5%	0
Noble Fir		0	5%	0
Alder	2.7	211	2%	207
TOTAL	22.5	1726		1707

"STEWARDSHIP IN FORESTRY"

Sam Downs

Volume Summary

TOTAL SALE VOLUME	307	acres
SPECIES	Cruised Net (MBF)	Net Sale (MBF)
Douglas-fir	5951	5892
Hemlock	66	66
Spruce	0	0
Noble Fir	0	0
Red Alder	790	774
TOTAL	6807	6732

Unit 1

Species, Sort Grade - Board Foot Volumes (Type)

Project: Sam Downs

Date 4/23/2024

Time 3:18:28PM

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	08W	22	1	0100	102.00	29	95	S	W

T01N R08W S22 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	47		10,777	10,777	1,099			87	13	1	2		97	39	14	283	1.69	38.1
DF		CO	3	41		9,378	9,378	957		93	7		1			99	40	9	115	0.77	81.8
DF		CO	4	12		2,591	2,591	264	58	42			7	9	12	72	32	6	41	0.36	63.7
DF	**Totals**			97		22,746	22,746	2,320	7	43	44	6	2	2	1	95	37	9	124	0.85	183.6
RA		H	3	14		118	118	12		100						100	40	10	150	0.97	.8
RA		H	4	86		672	672	69		100			9	3		87	32	7	60	0.54	11.3
RA	**Totals**			3		790	790	81		100			8	3		89	33	7	66	0.58	12.0
Type Totals						23,536	23,536	2,401	6	45	43	6	2	2	1	95	37	9	120	0.83	195.6

Unit 1

Log Stock Table - MBF

Project: Sam Downs

T01N R08W S22 T0100

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	1	0100	102.00	29	95

Page 1
Date 4/3/2024
Time 9:37:32AM

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	20	14		14	.6							14					
DF		CO	2	30	20		20	.8							20					
DF		CO	2	40	1,066		1,066	45.9						471	341	203	51			
DF		CO	3	20	14		14	.6							14					
DF		CO	3	40	943		943	40.6			181	285	422	36		20				
DF		CO	4	12	1		1	.0			1									
DF		CO	4	13	2		2	.1		1	1									
DF		CO	4	14	2		2	.1		2										
DF		CO	4	15	3		3	.1		2		1								
DF		CO	4	16	1		1	.0		1										
DF		CO	4	17	5		5	.2		4		1								
DF		CO	4	18	4		4	.2		2	1									
DF		CO	4	21	6		6	.3		5	1									
DF		CO	4	22	1		1	.1		1										
DF		CO	4	24	12		12	.5		12										
DF		CO	4	25	4		4	.2		4										
DF		CO	4	31	9		9	.4		9										
DF		CO	4	32	14		14	.6		14										
DF		CO	4	33	5		5	.2		5										
DF		CO	4	34	5		5	.2		5										
DF		CO	4	36	15		15	.6		15										
DF		CO	4	40	176		176	7.6		72	47	57								
DF		Totals			2,320		2,320	96.6		154	232	344	422	507	388	223	51			
RA		H	3	40	12		12	14.9					12							
RA		H	4	15	4		4	5.1			4									
RA		H	4	18	2		2	2.6			2									
RA		H	4	22	2		2	3.0			2									
RA		H	4	40	60		60	74.5			40	20								
RA		Totals			81		81	3.4			49	20	12							
Total All Species					2,401		2,401	100.0		154	281	364	434	507	388	223	51			

Unit 1

Stand Table Summary

Project **Sam Downs**

T01N R08W S22 T0100

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	1	0100	102.00	29	95

Page: 1
Date: 04/03/202
Time: 9:37:33AM

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		10	1	85	119	3.311	1.81	3.31	14.8	60.0	1.40	49	199	143	50	20
DF		11	2	89	65	5.472	3.61	5.47	14.2	50.0	2.22	78	274	226	79	28
DF		12	1	88	93	2.299	1.81	4.60	12.6	55.0	1.66	58	253	169	59	26
DF		13	6	84	105	11.754	10.83	23.51	15.8	61.7	10.59	372	1,450	1,080	379	148
DF		14	3	82	109	5.068	5.42	10.14	19.8	73.3	5.71	200	743	582	204	76
DF		15	3	84	110	4.414	5.42	8.83	22.6	85.0	5.70	200	750	581	204	77
DF		16	4	87	103	5.173	7.22	9.05	27.2	112.9	7.01	246	1,022	715	251	104
DF		17	9	85	106	10.310	16.25	20.62	28.8	111.7	16.95	595	2,303	1,729	607	235
DF		18	9	85	114	9.197	16.25	18.39	32.2	123.9	16.88	592	2,279	1,722	604	232
DF		19	10	86	117	9.171	18.06	20.18	35.1	136.8	20.16	707	2,761	2,056	721	282
DF		20	8	86	111	6.622	14.45	14.07	38.9	147.1	15.61	548	2,069	1,593	559	211
DF		21	7	84	106	5.255	12.64	12.01	36.7	140.0	12.57	441	1,682	1,283	450	172
DF		22	6	87	112	4.104	10.83	10.94	39.5	166.2	12.34	433	1,820	1,258	441	186
DF		23	3	83	110	1.878	5.42	4.38	47.8	178.6	5.97	209	782	609	214	80
DF		24	5	87	112	2.874	9.03	6.32	52.8	220.0	9.52	334	1,391	971	341	142
DF		25	1	82	100	.530	1.81	1.06	61.3	215.0	1.85	65	228	189	66	23
DF		26	5	83	118	2.449	9.03	6.37	55.2	224.6	10.02	352	1,430	1,022	359	146
DF		28	1	83	116	.422	1.81	1.27	58.5	243.3	2.11	74	308	215	76	31
DF		29	1	82	114	.394	1.81	1.18	63.6	266.7	2.14	75	315	218	77	32
DF		32	1	83	124	.323	1.81	.97	79.3	346.7	2.19	77	336	224	78	34
DF		33	1	86	119	.304	1.81	.91	85.7	386.7	2.23	78	353	227	80	36
DF		Totals	87	85	107	91.324	157.10	183.59	31.5	123.9	164.83	5,784	22,746	16,813	5,899	2,320
RA		10	1	82	116	2.007	1.09	4.01	9.9	45.0	1.09	40	181	111	40	18
RA		11	1	82	104	1.659	1.09	1.66	18.5	70.0	.85	31	116	86	31	12
RA		13	1	83	77	1.188	1.09	1.19	23.8	70.0	.78	28	83	79	29	8
RA		14	1	83	89	1.024	1.09	2.05	18.0	70.0	1.01	37	143	103	38	15
RA		16	3	82	69	2.352	3.28	3.14	29.7	85.0	2.56	93	267	261	95	27
RA		Totals	7	82	91	8.230	7.66	12.05	19.0	65.6	6.29	229	790	641	233	81
OC		24	1	86	92	.305	.96									
OC		Totals	1	86	92	.305	.96									
Totals			95	85	106	99.859	165.72	195.63	30.7	120.3	171.12	6012	23,536	17,454	6,132	2,401

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: SDOWNS

Date 4/23/2024

Time 3:19:46PM

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	08W	22	2	0100	99.00	45	145	S	W

T01N R08W S22 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	26		4,946	4,946	490			95	5				100	40	13	253	1.56	19.5
DF		CO	3	45		8,250	8,250	817		100				1		99	40	9	114	0.75	72.1
DF		CO	4	29		5,326	5,326	527	60	40			10	19	17	53	30	5	38	0.37	138.9
DF	**Totals**			85		18,522	18,522	1,834	17	56	25	1	3	6	5	86	34	7	80	0.63	230.5
RA		H	2	6		182	182	18			100					100	40	13	240	1.78	.8
RA		H	3	37		1,060	1,060	105		54	46		14	6		81	36	12	181	1.51	5.9
RA		H	4	57		1,644	1,644	163		83	17		16	10	4	70	32	7	61	0.64	26.9
RA	**Totals**			13		2,886	2,886	286		67	33		14	8	2	76	33	8	86	0.84	33.5
WH		CO	2	40		139	139	14			100					100	40	16	400	2.27	.3
WH		CO	3	60		200	200	20		100						100	40	10	143	0.83	1.4
WH	**Totals**			2		338	338	33		59	41					100	40	11	194	1.12	1.7
SS		CO	3	60		34	34	3		100						100	40	9	120	1.93	.3
SS		CO	4	40		22	22	2		100				100			21	6	30	0.80	.7
SS	**Totals**			0		56	56	6		100				39		61	26	7	55	1.28	1.0
Type Totals						21,802	21,802	2,158	15	58	27	1	4	6	4	85	34	7	82	0.66	266.7

TC TLOGSTVB

Log Stock Table - MBF

Project: SDOWNS

T01N R08W S22 T0100

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	2	0100	99.00	45	145

Page 1
Date 4/3/2024
Time 9:39:09AM

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	490		490	26.7						275	171	44				
DF		CO	3	30	12		12	.6				12								
DF		CO	3	40	805		805	43.9			102	308	394							
DF		CO	4	12	1		1	.1		1										
DF		CO	4	13	2		2	.1		1	1									
DF		CO	4	14	1		1	.1		1										
DF		CO	4	15	6		6	.3		6										
DF		CO	4	16	11		11	.6		11										
DF		CO	4	17	4		4	.2		4										
DF		CO	4	18	2		2	.1		1	1									
DF		CO	4	19	6		6	.3		6										
DF		CO	4	20	20		20	1.1		16		4								
DF		CO	4	21	3		3	.2		3										
DF		CO	4	22	5		5	.3		5										
DF		CO	4	23	6		6	.3		6										
DF		CO	4	24	11		11	.6		11										
DF		CO	4	25	27		27	1.5		27										
DF		CO	4	26	15		15	.8		15										
DF		CO	4	27	14		14	.8		14										
DF		CO	4	29	7		7	.4		7										
DF		CO	4	30	14		14	.8		14										
DF		CO	4	31	17		17	.9		17										
DF		CO	4	32	12		12	.6		12										
DF		CO	4	33	34		34	1.9		34										
DF		CO	4	34	5		5	.3		5										
DF		CO	4	35	22		22	1.2		22										
DF		CO	4	36	3		3	.2		3										
DF		CO	4	38	7		7	.4		7										
DF		CO	4	40	271		271	14.8		67	174	12	18							
DF		Totals			1,834		1,834	85.0		317	278	336	412	275	171	44				
RA		H	2	40	18		18	6.3						18						
RA		H	3	20	14		14	5.0						6		8				
RA		H	3	30	6		6	2.0							6					
RA		H	3	40	85		85	29.7					57	19	9					
RA		H	4	15	2		2	.9			2									
RA		H	4	16	2		2	.7			2									
RA		H	4	18	1		1	.2			1									
RA		H	4	20	21		21	7.2			1	2		11	7					
RA		H	4	22	8		8	2.9			8									
RA		H	4	24	3		3	.9			3									
RA		H	4	25	4		4	1.3			4									
RA		H	4	26	1		1	.4			1									
RA		H	4	31	6		6	2.2			6									
RA		H	4	36	12		12	4.1			12									
RA		H	4	38	11		11	3.8						11						
RA		H	4	40	92		92	32.2			68	24								
RA		Totals			286		286	13.2			109	26	57	65	21	8				
WH		CO	2	40	14		14	40.9								14				
WH		CO	3	40	20		20	59.1				4	16							

TC TLOGSTVB

Log Stock Table - MBF

Project: SDOWNS

T01N R08W S22 T0100

T01N R08W S22 T0100

Page 2
Date 4/3/2024
Time 9:39:09AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	2	0100	99.00	45	145

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			33		33	1.6				4	16			14				
SS		CO	3	40	3		3	61.0				3								
SS		CO	4	21	2		2	39.0			2									
SS		Totals			6		6	.3			2	3								
Total All Species					2,158		2,158	100.0		317		389		369		485		340		192		65				

TC TSTNDSUM

Stand Table Summary

Project **SDOWNS**

T01N R08W S22 T0100

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	2	0100	99.00	45	145

Page: 1
Date: 04/03/202
Time: 9:39:09AM

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		8	2	79	51	8.488	2.96	8.49	6.2	30.0	1.49	52	255	148	52	25
DF		9	7	81	62	24.927	11.01	27.99	7.6	32.2	6.06	213	901	600	211	89
DF		10	6	81	83	17.239	9.40	14.76	13.3	42.0	5.61	197	620	555	195	61
DF		11	3	79	66	6.149	4.06	6.15	15.0	43.3	2.63	92	266	260	91	26
DF		12	8	81	82	14.762	11.59	20.58	15.5	50.0	9.07	318	1,029	898	315	102
DF		13	7	83	77	11.389	10.50	16.07	17.5	55.4	8.03	282	891	795	279	88
DF		14	9	83	84	12.111	12.95	21.69	17.8	59.2	10.99	385	1,284	1,088	382	127
DF		15	10	85	102	12.281	15.07	24.77	20.4	81.3	14.43	506	2,014	1,428	501	199
DF		16	11	86	100	11.578	16.17	22.00	25.4	103.0	15.94	559	2,266	1,578	554	224
DF		17	8	84	107	7.845	12.37	14.67	29.2	113.3	12.20	428	1,661	1,208	424	164
DF		18	6	85	111	5.466	9.66	10.93	32.9	126.7	10.24	359	1,385	1,014	356	137
DF		19	7	84	113	5.201	10.24	10.40	36.1	134.7	10.69	375	1,401	1,059	371	139
DF		20	6	86	103	4.192	9.15	9.36	31.9	117.5	8.51	299	1,100	843	296	109
DF		21	7	83	119	4.258	10.24	12.77	33.6	130.3	12.23	429	1,664	1,211	425	165
DF		22	2	84	119	1.122	2.96	2.85	41.4	162.2	3.36	118	463	333	117	46
DF		23	2	85	118	1.027	2.96	3.08	40.2	166.7	3.53	124	513	350	123	51
DF		24	3	86	115	1.456	4.57	3.94	47.9	205.5	5.37	188	809	532	187	80
DF		Totals	104	83	85	149.491	155.86	230.51	21.4	80.4	140.39	4,926	18,522	13,898	4,877	1,834
RA		11	1	80	100	1.447	.95	1.45	18.5	70.0	.74	27	101	73	27	10
RA		12	3	73	76	4.341	3.41	4.34	18.8	56.7	2.25	82	246	223	81	24
RA		13	6	83	68	6.807	6.27	8.04	20.2	61.5	4.46	162	495	442	161	49
RA		14	3	83	53	2.850	3.05	2.85	23.6	60.0	1.85	67	171	183	66	17
RA		16	1	83	68	.684	.95	1.37	14.6	60.0	.55	20	82	54	20	8
RA		17	1	83	70	.606	.95	.61	40.4	120.0	.67	24	73	67	24	7
RA		18	2	84	68	1.081	1.91	2.16	23.4	87.5	1.39	51	189	138	50	19
RA		19	7	82	79	3.579	7.05	6.10	33.5	113.1	5.62	204	690	557	202	68
RA		20	3	82	68	1.396	3.05	1.92	43.8	129.7	2.31	84	249	228	83	25
RA		21	3	81	72	1.191	2.86	2.38	35.9	111.7	2.35	85	266	233	85	26
RA		22	2	83	72	.723	1.91	1.45	38.9	112.5	1.55	56	163	153	56	16
RA		24	1	82	79	.304	.95	.61	52.7	160.0	.88	32	97	87	32	10
RA		25	1	72	63	.280	.95	.56	45.1	115.0	.70	25	64	69	25	6
RA		Totals	34	81	71	25.289	34.28	33.82	27.2	85.3	25.31	920	2,886	2,506	911	286
WH		15	1	92	84	1.055	1.29	1.06	32.3	150.0	1.09	34	158	108	34	16
WH		24	1	86	112	.346	1.09	.69	63.8	260.0	1.41	44	180	140	44	18
WH		Totals	2	91	91	1.401	2.38	1.75	44.8	193.6	2.50	78	338	248	77	33
SS		15	1	66	28	.724	.89	.72	16.7	30.0	.31	12	22	31	12	2
SS		24	1	81	54	.283	.89	.28	77.0	120.0	.57	22	34	56	22	3
SS		Totals	2	70	35	1.007	1.78	1.01	33.7	55.3	0.88	34	56	87	34	6
OC		20	2	84	79	.815	1.78									
OC		23	1	82	34	.308	.89									
OC		Totals	3	83	67	1.123	2.67									
Totals			145	82	83	178.312	196.97	267.09	22.3	81.6	169.08	5958	21,802	16,739	5,899	2,158

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: SDOWNS

Page 1
Date 4/23/2024
Time 3:20:29PM

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	08W	22	3	0100	30.00	15	43	S	W

T01N R08W S22 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	26		2,836	2,836	85			63	37				100	40	14	321	1.82	8.8
DF		CO	3	58		6,316	6,316	189	1	98	2			5		95	39	8	87	0.58	72.3
DF		CO	4	16		1,688	1,688	51	98	2			4	16	39	40	32	5	34	0.29	49.9
DF	**Totals**			59		10,841	10,841	325	16	57	18	10	1	5	6	88	36	7	83	0.58	131.1
RA		H	2	4		332	332	10			100					100	40	13	240	2.17	1.4
RA		H	3	45		3,252	3,252	98		90	10					100	40	11	172	1.25	18.9
RA		H	4	51		3,684	3,684	111		100			17	7		77	28	7	55	0.66	66.7
RA	**Totals**			39		7,268	7,268	218		91	9		9	3		88	31	8	84	0.86	86.9
WH		CO	3	83		286	286	9		100						100	40	10	150	0.89	1.9
WH		CO	4	17		57	57	2	100					100			25	5	30	0.34	1.9
WH	**Totals**			2		344	344	10	17	83				17		83	33	8	90	0.68	3.8
Type Totals						18,453	18,453	554	9	71	14	6	4	5	4	88	34	7	83	0.68	221.8

TC TLOGSTVB

Log Stock Table - MBF

Project: SDOWNS

T01N R08W S22 T0100

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	3	0100	29.00	15	43

Page 1
Date 4/3/2024
Time 9:40:35AM

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	85		85	26.2						26		13		46		
DF		CO	3	21	3		3	1.1					3							
DF		CO	3	22	6		6	1.8		1		1		4						
DF		CO	3	40	180		180	55.4				76		44	60					
DF		CO	4	12	2		2	.5		0		1								
DF		CO	4	13	1		1	.2		1										
DF		CO	4	29	8		8	2.5		8										
DF		CO	4	31	4		4	1.2		4										
DF		CO	4	34	16		16	4.9		16										
DF		CO	4	36	7		7	2.2		7										
DF		CO	4	40	13		13	4.0		13										
DF		Totals			325		325	58.7		51		78		44	64	29		13		46
RA		H	2	40	10		10	4.6						10						
RA		H	3	40	98		98	44.7					88	10						
RA		H	4	15	1		1	.5				1								
RA		H	4	16	4		4	1.6				4								
RA		H	4	17	2		2	.9				2								
RA		H	4	18	2		2	.9				2								
RA		H	4	19	8		8	3.5				8								
RA		H	4	20	3		3	1.3				3								
RA		H	4	21	2		2	.9				2								
RA		H	4	23	3		3	1.4				3								
RA		H	4	24	2		2	1.0				2								
RA		H	4	39	4		4	1.6				4								
RA		H	4	40	81		81	37.2						81						
RA		Totals			218		218	39.4				29		81	88	20				
WH		CO	3	40	9		9	83.3					9							
WH		CO	4	25	2		2	16.7		2										
WH		Totals			10		10	1.9		2			9							
Total All Species					554		554	100.0		52		108		125	160	49		13		46

TC TSTNDSUM

Stand Table Summary

Project **SDOWNS**

T01N R08W S22 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	22	3	0100	29.00	15	43

T01N R08W S22 T0100

Date: 04/03/202

Time: 9:40:35AM

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	2	84	63	18.108	8.00	18.11	7.6	35.0	3.95	138	634	118	42	19
DF		10	2	90	94	14.668	8.00	14.67	13.5	65.0	5.63	198	953	169	59	29
DF		11	1	88	126	6.061	4.00	12.12	11.8	55.0	4.06	143	667	122	43	20
DF		13	4	85	78	17.358	16.00	21.70	17.9	58.0	11.10	389	1,258	333	117	38
DF		14	1	82	64	3.742	4.00	3.74	26.7	70.0	2.85	100	262	86	30	8
DF		15	4	86	98	13.038	16.00	22.82	23.3	88.6	15.17	532	2,021	455	160	61
DF		16	2	87	116	5.730	8.00	11.46	26.0	105.0	8.49	298	1,203	255	89	36
DF		18	1	89	119	2.264	4.00	6.79	23.6	93.3	4.57	161	634	137	48	19
DF		21	1	86	103	1.663	4.00	4.99	28.3	110.0	4.03	141	549	121	42	16
DF		22	1	86	113	1.515	4.00	4.55	33.6	130.0	4.35	153	591	131	46	18
DF		24	1	89	114	1.273	4.00	3.82	42.1	176.7	4.58	161	675	137	48	20
DF		25	1	86	118	1.173	4.00	3.52	47.2	210.0	4.74	166	739	142	50	22
DF		28	1	85	104	.935	4.00	2.81	52.5	233.3	4.20	147	655	126	44	20
DF		Totals	22	86	89	87.529	88.00	131.09	20.8	82.7	77.72	2,727	10,841	2,331	818	325
RA		12	2	84	67	11.079	8.70	11.08	16.0	55.0	4.88	177	609	146	53	18
RA		13	1	86	81	4.720	4.35	4.72	25.4	90.0	3.30	120	425	99	36	13
RA		15	3	81	87	10.636	13.05	14.18	20.6	70.0	8.02	292	993	241	87	30
RA		16	3	84	80	9.348	13.05	18.70	21.6	75.0	11.10	404	1,402	333	121	42
RA		17	1	83	76	2.760	4.35	5.52	24.2	85.0	3.67	134	469	110	40	14
RA		18	2	82	83	4.924	8.70	9.85	29.0	102.5	7.85	285	1,009	235	86	30
RA		19	2	84	79	4.419	8.70	8.84	30.7	102.5	7.46	271	906	224	81	27
RA		20	3	81	61	5.983	13.05	7.98	43.2	90.0	9.47	344	718	284	103	22
RA		22	1	82	68	1.648	4.35	3.30	37.9	110.0	3.44	125	363	103	38	11
RA		24	1	80	77	1.385	4.35	2.77	49.7	135.0	3.79	138	374	114	41	11
RA		Totals	19	83	76	56.904	82.67	86.93	26.3	83.6	62.97	2,290	7,268	1,889	687	218
WH		16	1	88	84	1.910	2.67	3.82	22.0	90.0	2.69	84	344	81	25	10
WH		Totals	1	88	84	1.910	2.67	3.82	22.0	90.0	2.69	84	344	81	25	10
OC		18	1	98	17	1.509	2.67									
OC		Totals	1	98	17	1.509	2.67									
Totals			43	85	83	147.852	176.00	221.83	23.0	83.2	143.37	5101	18,453	4,301	1,530	554

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: SDOWNS

Page 1
Date 4/23/2024
Time 3:22:20PM

T01N R08W S21 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
01N	08W	21	4	0100	77.00	34	107	S	W

T01N R08W S21 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	21		4,249	4,249	327			95	5				100	40	13	250	1.52	17.0
DF		CO	3	67	.3	12,887	12,852	990		95	2	3	1	1	2	96	39	8	104	0.67	124.0
DF		CO	4	12		2,305	2,305	177	81	19			22	22	17	39	25	5	28	0.29	83.8
DF	**Totals**			86	.2	19,441	19,406	1,494	10	65	22	3	3	4	3	90	34	7	86	0.64	224.9
RA		H	3	81	2.7	2,314	2,251	173		100						100	40	7	83	0.81	27.3
RA		H	4	19		495	495	38		55	19	26	24	76			19	7	41	0.54	11.9
RA	**Totals**			12	2.2	2,809	2,746	211		92	3	5	4	14		82	34	7	70	0.77	39.2
WH		CO	2	43		131	131	10			100					100	40	14	290	1.63	.5
WH		CO	3	36		109	109	8		100						100	40	6	60	0.37	1.8
WH		CO	4	21		61	61	5	100							100	38	5	40	0.51	1.5
WH	**Totals**			1		301	301	23	20	36	44					100	39	7	79	0.58	3.8
SS		CO	3	42		41	41	3		100						100	40	8	90	1.27	.5
SS		CO	4	58		54	54	4	100					100			29	5	30	0.34	1.8
SS	**Totals**			0		95	95	7	57	43				57		43	31	6	42	0.58	2.3
Type Totals					.4	22,647	22,549	1,736	9	68	20	3	3	5	3	89	34	7	83	0.66	270.1

TC TLOGSTVB

Log Stock Table - MBF

Project: SDOWNS

T01N R08W S21 T0100

T01N R08W S21 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	21	4	0100	77.00	34	107

Page 1
Date 4/3/2024
Time 9:42:22AM

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	327		327	21.9						193	117	17				
DF		CO	3	20	9		9	.6					9							
DF		CO	3	25	9		9	.6					9							
DF		CO	3	30	6		6	.4			6									
DF		CO	3	35	16		16	1.0					16							
DF		CO	3	40	953	.3	951	63.6			300	251	351	19		15	16			
DF		CO	4	12	4		4	.3		4										
DF		CO	4	13	10		10	.7		7	4									
DF		CO	4	14	7		7	.5		6	1	1								
DF		CO	4	15	9		9	.6		9										
DF		CO	4	17	6		6	.4		6										
DF		CO	4	18	1		1	.1		1										
DF		CO	4	19	1		1	.1		1										
DF		CO	4	20	1		1	.1		1										
DF		CO	4	21	6		6	.4		6										
DF		CO	4	22	4		4	.2		4										
DF		CO	4	24	5		5	.4		5										
DF		CO	4	26	6		6	.4		3	3									
DF		CO	4	27	6		6	.4		6										
DF		CO	4	28	7		7	.5		7										
DF		CO	4	29	2		2	.2		2										
DF		CO	4	30	3		3	.2		3										
DF		CO	4	32	5		5	.3		5										
DF		CO	4	33	13		13	.9		2	11									
DF		CO	4	34	5		5	.3		5										
DF		CO	4	35	7		7	.5				7								
DF		CO	4	36	4		4	.3		4										
DF		CO	4	38	7		7	.5		7										
DF		CO	4	39	4		4	.3		4										
DF		CO	4	40	54		54	3.6		46	4		4							
DF		Totals			1,497		1,494	86.1		144	328	258	388	212	117	32	16			
RA		H	3	40	178	2.7	173	82.0			75	80	18							
RA		H	4	13	6		6	3.0			6									
RA		H	4	18	3		3	1.3			3									
RA		H	4	21	6		6	2.8			6									
RA		H	4	24	6		6	2.8			6									
RA		H	4	25	10		10	4.7								10				
RA		H	4	30	7		7	3.4						7						
RA		Totals			216	2.2	211	12.2			96	80	18	7		10				
WH		CO	2	40	10		10	43.6							10					
WH		CO	3	40	8		8	36.1			8									
WH		CO	4	37	3		3	14.2		3										
WH		CO	4	40	1		1	6.0		1										
WH		Totals			23		23	1.3		5	8				10					
SS		CO	3	40	3		3	42.9				3								
SS		CO	4	29	4		4	57.1		4										
SS		Totals			7		7	.4		4		3								

TC TLOGSTVB

Log Stock Table - MBF

Project: **SDOWNS**

T01N R08W S21 T0100

T01N R08W S21 T0100

Page 2

Date 4/3/2024

Time 9:42:22AM

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	21	4	0100	77.00	34	107

Spp	S T	So Grt	Log 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+
Total All Species					1,744		1,736	100.0		152		433		341		406		219		127		42		16		

TC TSTNDSUM

Stand Table Summary

Project **SDOWNS**

T01N R08W S21 T0100

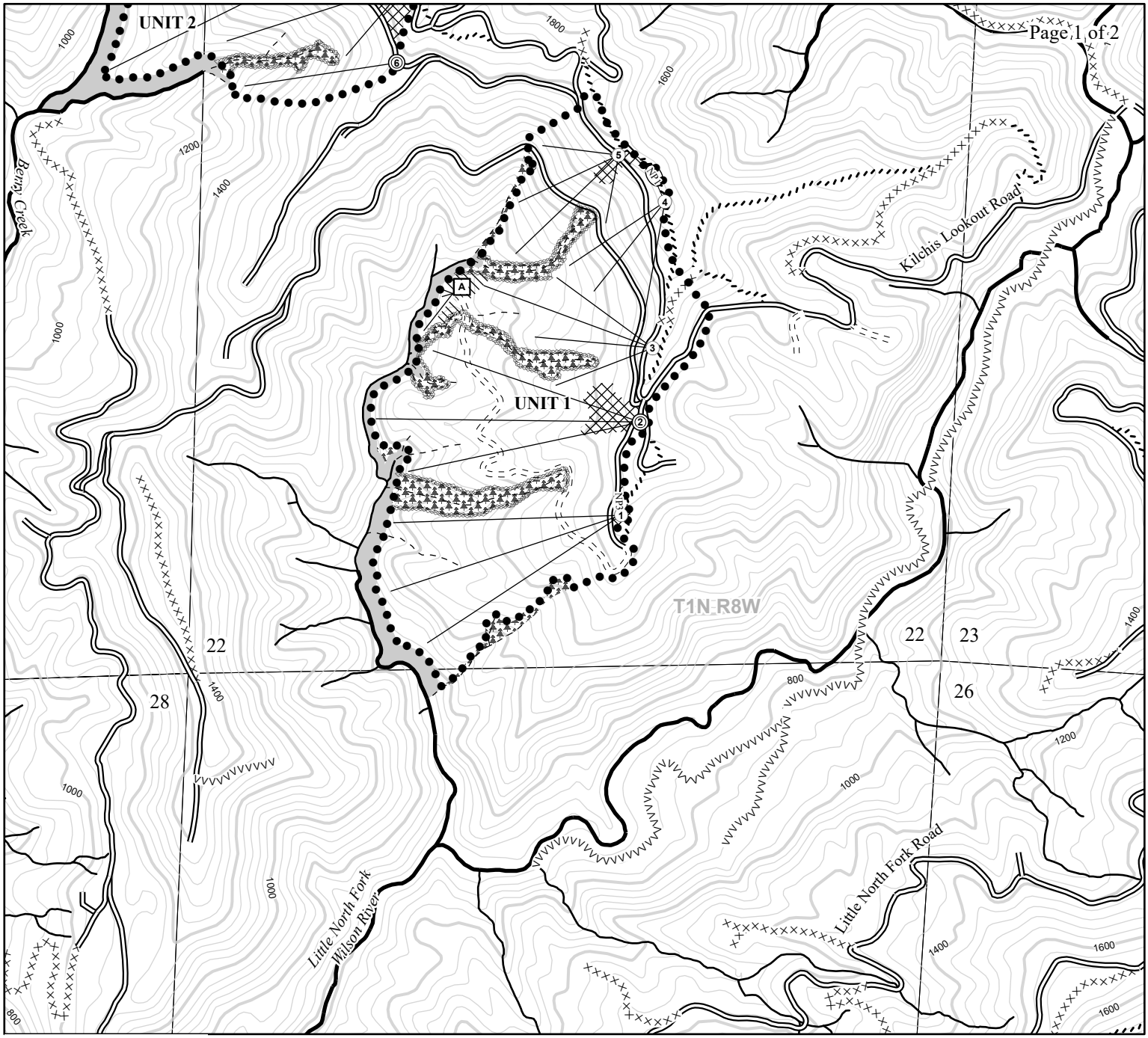
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
01N	08W	21	4	0100	77.00	34	107

T01N R08W S21 T0100

Date: 04/03/202

Time: 9:42:22AM

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	89	112	3.512	1.55	7.02	6.6	35.0	1.33	46	246	102	36	19
DF		10	2	86	107	5.690	3.10	11.38	8.4	37.5	2.71	95	427	209	73	33
DF		11	7	84	84	16.459	10.86	25.86	12.3	51.8	9.04	317	1,340	696	244	103
DF		12	3	82	117	5.927	4.66	11.85	14.4	55.0	4.87	171	652	375	131	50
DF		13	5	88	106	8.417	7.76	18.52	14.7	61.8	7.75	272	1,145	597	209	88
DF		14	9	84	111	13.064	13.97	29.03	17.6	69.5	14.58	512	2,018	1,123	394	155
DF		15	5	86	107	6.322	7.76	11.38	24.1	95.6	7.83	275	1,087	603	212	84
DF		16	10	85	113	11.114	15.52	26.67	22.2	88.7	16.88	592	2,367	1,299	456	182
DF		17	10	85	112	9.845	15.52	23.63	25.3	97.5	17.02	597	2,304	1,310	460	177
DF		18	7	84	113	6.147	10.86	14.93	28.6	107.1	12.17	427	1,598	937	329	123
DF		19	10	84	111	7.881	15.52	19.70	30.1	112.8	16.92	594	2,222	1,303	457	171
DF		20	6	85	105	4.268	9.31	9.25	37.4	136.9	9.87	346	1,266	760	267	97
DF		21	6	88	109	3.871	9.31	10.32	35.4	144.4	10.42	366	1,490	803	282	115
DF		23	1	82	112	.538	1.55	1.61	38.9	153.3	1.79	63	247	138	48	19
DF		24	1	78	121	.494	1.55	1.48	41.4	143.3	1.75	61	212	135	47	16
DF		26	1	88	108	.421	1.55	.84	73.8	325.0	1.77	62	274	136	48	21
DF		30	1	88	117	.316	1.55	.63	78.9	375.0	1.42	50	237	110	38	18
DF		34	1	82	118	.246	1.55	.74	86.6	370.0	1.82	64	273	140	49	21
DF		Totals	86	85	106	104.533	133.45	224.86	21.8	86.3	139.94	4,910	19,406	10,775	3,781	1,494
RA		12	1	71	98	3.506	2.75	3.51	12.8	60.0	1.23	45	210	95	34	16
RA		13	1	67	92	2.988	2.75	2.99	28.5	60.0	2.34	85	179	180	65	14
RA		14	4	71	103	10.304	11.02	18.03	21.6	60.0	10.73	390	1,082	826	300	83
RA		15	1	83	61	2.244	2.75	2.24	29.9	70.0	1.84	67	157	142	52	12
RA		16	1	82	78	1.972	2.75	1.97	36.8	110.0	1.99	73	217	154	56	17
RA		17	1	67	91	1.747	2.75	3.49	27.8	50.0	2.67	97	175	205	75	13
RA		18	2	82	63	3.117	5.51	4.67	31.1	86.7	4.00	146	405	308	112	31
RA		19	1	71	70	1.399	2.75	1.40	29.9	70.0	1.15	42	98	89	32	8
RA		31	1	71	56	.525	2.75	.53	65.0	180.0	.94	34	95	72	26	7
RA		36	1	72	56	.390	2.75	.39	79.4	330.0	.85	31	129	66	24	10
RA		Totals	14	73	88	28.191	38.55	39.22	25.7	70.0	27.74	1,009	2,746	2,136	777	211
WH		10	1	83	89	1.812	.99	1.81	14.8	60.0	.86	27	109	66	21	8
WH		13	1	86	47	1.072	.99	1.07	17.1	40.0	.59	18	43	45	14	3
WH		20	1	88	98	.453	.99	.91	44.6	165.0	1.29	40	150	100	31	12
WH		Totals	3	85	77	3.338	2.97	3.79	22.6	79.4	2.74	86	301	211	66	23
SS		10	1	83	45	1.812	.99	1.81	9.9	30.0	.47	18	54	36	14	4
SS		20	1	86	55	.453	.99	.45	50.6	90.0	.60	23	41	46	18	3
SS		Totals	2	84	47	2.266	1.98	2.27	18.0	42.0	1.06	41	95	82	31	7
OC		14	1	85	67	.925	.99									
OC		19	1	87	93	.502	.99									
OC		Totals	2	86	76	1.427	1.98									
Totals			107	83	101	139.755	178.92	270.14	22.4	83.5	171.48	6045	22,549	13,204	4,655	1,736



Legend

- Landing To Be Constructed
- Existing Landing
- Ground
- Cable Logging
- Timber Sale Boundary
- Riparian Boundary
- Ground Based
- Riparian Buffer
- Green Tree Retention
- Reforestation Area
- Surfaced Road
- Unsurfaced Road
- Blocked Road
- Abandoned Road
- Recreation Trail
- Type-F Stream
- Type-N Stream - Perennial
- Type-N Stream - Seasonal
- Sections
- 200' Contour
- 40' Contour

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01041-01 SAM DOWNS
PORTIONS OF SECTIONS 15, 16, 17, 21, 22, 27 of T1N R8W W.M.
TILLAMOOK COUNTY, OREGON

Tillamook District GIS
APRIL, 2024
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

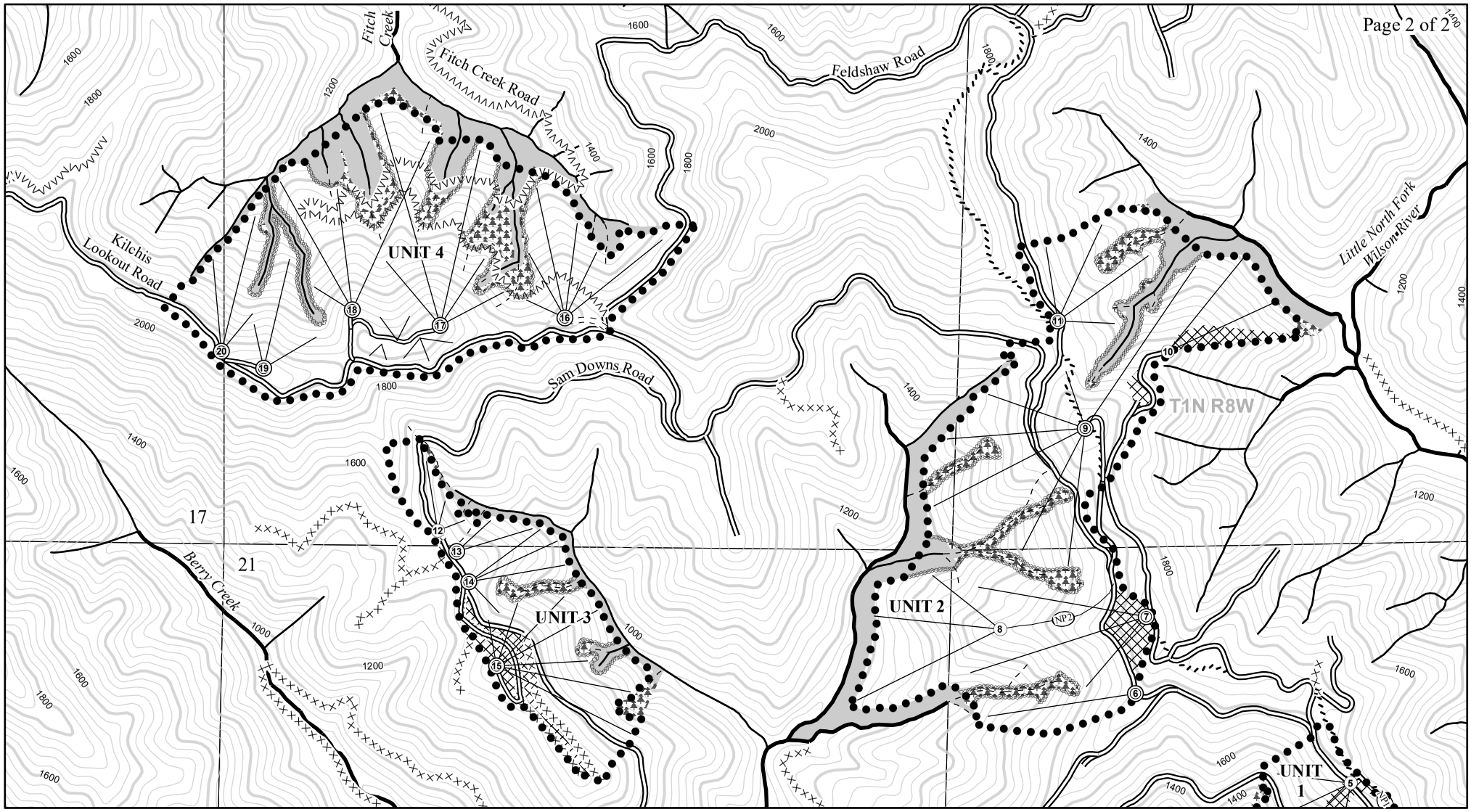
1:12,000
1 inch = 1,000 feet

0 1,000 2,000 Feet

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	1	101	102
UNIT 2	0	99	99
UNIT 3	0	29	29
UNIT 4	0	77	77
TOTAL	1	306	307



Legend

- Landing To Be Constructed
- Existing Landing
- Cable Logging
- Timber Sale Boundary
- Riparian Boundary
- Riparian Buffer
- Green Tree Retention
- Reforestation Area
- Unsurfaced Road
- Surfaced Road
- Blocked Road
- Abandoned Road
- Recreation Trail
- Type-F Stream
- Type-N Stream - Perennial
- Type-N Stream - Seasonal
- Sections
- 200' Contour
- 40' Contour

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01041-01
SAM DOWNS
Sections 15, 16, 17, 21, 22, 27 of T1N R8W.
TILLAMOOK COUNTY, W.M.

Tillamook District GIS
APRIL, 2024
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

N

NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	1	101	102
UNIT 2	0	99	99
UNIT 3	0	29	29
UNIT 4	0	77	77
TOTAL	1	306	307

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

0 1,000 2,000 Feet