OREGON DEPARTMENT OF FORESTRY
"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
South Side

Sale TL-341-2025-W01043-01

District: Tillamook

Date: June 25, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$2,171,959.96	$24,199.56	$2,196,159.52
		Project Work:	($678,820.00)
		Advertised Value:	$1,517,339.52

Timber Description

Location: Sections 1 & 2 of T2N R8W, Section 31 of T3N R7W and Sections 35 & 36 of T3N R8W W.M.

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	100
Western Hemlock / Fir	18	0	100
Alder (Red)	15	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	3,203	2,249	0	5,452
Western Hemlock / Fir	1,086	473	0	1,559
Alder (Red)	0	0	693	693
Total	4,289	2,722	693	7,704

Comments: Additional Costs – SOUTH SIDE
Pond Values Used: June 2024
Region: Astoria, Forest Grove, and Tillamook
Western red cedar and other cedars stumpage price = $1,300.00/MBF - $398.77/MBF =$901.23/MBF
Sitka spruce and other spruce stumpage price = $475/MBF - $398.77/MBF =$76.23/MBF
Big leaf maple and other maple stumpage price = $5.00/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:
Unit 1 C to D Grader assist log trucks: 1,870 MBF x $8.55/MBF =$15,988.50

TOTAL Other Costs with profit and risk to be added = $15,988.50

Other Costs without Profit and Risk Added:
Slash piling and sorting (Cable Settings): $10/ac x 257 ac. = $2,570
Heliport Construction: $200/unit x 3 unit = $600
Tailhold OR guybacks dozer move-in: $1,000/machine x 2 machines = $2,000
TOTAL Other Costs without Profit and Risk added = $5,170

ODF Road Maintenance
Spot Rocking: 20cy/MMBF/mile x 7.704MMBF x $11/cy x 15.6 miles /7,704 MBF = $3.43/MBF
Interim Grading: $1,150/mile x 12.6 miles x 2 times/ 7,704 MBF = $3.76/MBF
Final Maintenance Grading: $1,500/mile x 15.6 miles/ 7,704 MBF = $3.04/MBF
Final Maintenance Compaction: $900/mile x 4 miles/7,704 MBF = $0.47/MBF
Total Road Maintenance: = $10.70/MBF

Logging Conditions

Combination#: 1

Douglas - Fir	58.35%
Western Hemlock / Fir	41.60%
Alder (Red)	79.31%

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: 10 **bd. ft / load:** 3800

cost / mbf: $225.76

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

Combination#: 2

Douglas - Fir	41.65%
Western Hemlock / Fir	58.40%
Alder (Red)	20.69%

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:** 3800

cost / mbf: $282.20

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

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$678,820.00	**Other Costs (P/R):**	$15,988.50
Slash Disposal:	$0.00	**Other Costs:**	$5,170.00

Miles of Road

Road Maintenance: $10.70

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	2.0	3.8

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$249.27	$10.70	$1.14	$96.90	$2.08	$36.01	$0.00	$2.00	$0.67	$398.77
Western Hemlock / Fir									
$258.72	$10.70	$1.14	$96.90	$2.08	$36.95	$0.00	$2.00	$0.67	$409.16
Alder (Red)									
$237.44	$10.70	$1.14	$164.47	$2.08	$41.58	$0.00	$2.00	$0.67	$460.08

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$757.31	$358.54	$0.00
Western Hemlock / Fir	$0.00	$548.48	$139.32	$0.00
Alder (Red)	$0.00	$495.00	$34.92	$0.00

Timber Sale Appraisal
South Side

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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	5,452	$358.54	$1,954,760.08
Western Hemlock / Fir	1,559	$139.32	$217,199.88
Alder (Red)	693	$34.92	$24,199.56

Gross Timber Sale Value

Recovery: $2,196,159.52

Prepared By: Sara McClendon **Phone:** 503-815-7025

"STEWARDSHIP IN FORESTRY"

SOUTH SIDE

Volume Summary

Unit 1-Modified Clearcut

	116 acres			
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	19.45	2256	1%	2233
Hemlock		0	1%	0
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	5.05	586	2%	574
TOTAL	24.5	2842		2807

Unit 2-Modified Clearcut

	64 acres			
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	18.69	1196	1%	1184
Hemlock	16.27	1041	1%	1031
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	0.64	41	2%	40
TOTAL	35.6	2278		2255

Unit 3- Modified Clearcut

	77 acres			
	Cruised Net	Cruised Net	Hidden	Net Sale
SPECIES	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	26.70	2056	1%	2035
Hemlock	6.93	533	1%	528
Spruce		0	1%	0
Noble Fir		0	1%	0
Alder	1.06	81	2%	79
TOTAL	34.69	2670		2642

OREGON DEPARTMENT OF FORESTRY

"STEWARDSHIP IN FORESTRY"

SOUTH SIDE

Volume Summary

TOTAL SALE VOLUME	**257**	**acres**
SPECIES	Cruised Net (MBF)	Net Sale (MBF)
Douglas-fir	5508	5452
Hemlock	1574	1559
Spruce	0	0
Noble Fir	0	0
Red Alder	708	693
TOTAL	7790	7704

OREGON DEPARTMENT OF FORESTRY
"STEWARDSHIP IN FORESTRY"

PROJECT SUMMARY SHEET

Sale: South Side

CONSTRUCTION

Point	C to D	27+85	stations =	$229,564.78
Point	E to F	2+00	stations =	$28,866.00
Point	G to H	3+75	stations =	$45,621.15
Point	I to J	5+00	stations =	$10,494.22
Point	K to L	4+20	stations =	$42,403.06
Point	M to N	4+55	stations =	$25,521.89
Point	O to P	3+00	stations =	$2,126.72
			SUBTOTAL CONSTRUCTION	**$384,597.82**

IMPROVEMENT

Point	A to B	632+90	stations =	$86,580.84
Point	O to P	19+00	stations =	$9,118.23
Point	S to T	4+50	stations =	$772.90
Point	Y to Z	15+00	stations =	$1,983.50
			SUBTOTAL IMPROVEMENT	**$98,455.47**

RECONSTRUCTION

Point	I to J	3+15	stations =	$5,184.85
Point	Point Q	0+00	stations =	$2,716.76
			SUBTOTAL RECONSTRUCTION	**$7,901.61**

SPECIAL PROJECTS

Tin Shack Pit Work	$16,550.00
Point T 500yds 1.5"-0" Stockpile	$10,615.00
Point V 1,000yds 1.5"-0" Stockpile	$17,310.00
Point W 3,000yds 1.5"-0" Stockpile	$51,180.00
Tin Shack Pit 3,000yds 1.5"-0" Stockpile	$50,040.00
Project Work Maintenance =	$10,184.00
Incidental Storm Damage Repairs	$14,315.00
SUBTOTAL SPECIAL PROJECTS	**$170,194.00**

MOVE IN	**$17,671.10**
GRAND TOTAL	**$678,820.00**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **A to B**

Construction -	0+00	stations	Improvement -	632+90	stations	Reconstruction -	0+00	stations
	0.00	miles		11.99	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Pluck Alders @ station 632+90	5.00	hours @	$220.00	per hour =	$1,100.00	
Widening	0.028	acres @	$955.00	per acre =	$26.74	
				TOTAL CLEARING AND GRUBBING		**$1,126.74**

IMPROVEMENT: EXCAVATION -

Widening	290	cy. @	$2.20	per c.y.=	$638.00	
				TOTAL EXCAVATION		**$638.00**

IMPROVEMENT: ENDHAUL -

Widening	631+15	to	632+15	290	cy. @	$2.57	per c.y.=	$745.30	
Spread & compact				290	cy. @	$0.55	per c.y.=	$159.50	
							TOTAL ENDHAUL		**$904.80**

CULVERTS - MATERIALS & INSTALLATION

Culverts			
160	LF of 18"	$4,040.00	
		$4,040.00	
Culvert Stakes & Markers			
7	markers	$63.00	
	TOTAL CULVERTS		**$4,103.00**

ROCK

128+80	to	131+10	30	cy. of	Crushed	@	$13.12	per c.y.=	$393.60	
148+95	to	209+05	1,350	cy. of	Crushed	@	$12.62	per c.y.=	$17,037.00	
414+50	to	444+80	690	cy. of	Crushed	@	$22.20	per c.y.=	$15,318.00	
513+40	to	539+25	590	cy. of	Crushed	@	$21.00	per c.y.=	$12,390.00	
Spot Rock(0+00 to 127+70)		As Directed	100	cy. of	Crushed	@	$11.68	per c.y.=	$1,168.00	
Spot Rock		0+40	20	cy. of	Crushed	@	$11.16	per c.y.=	$223.20	
Energy Dissipator		130+15	5	cy. of	Rip Rap	@	$26.69	per c.y.=	$133.45	
Rock Berm(126+80 to 128+30)		126+80	5	cy. of	Crushed	@	$12.20	per c.y.=	$61.00	
Culvert backfill/bedding		130+15	25	cy. of	Crushed	@	$12.22	per c.y.=	$305.50	
Energy Dissipator		131+10	10	cy. of	Rip Rap	@	$26.17	per c.y.=	$261.70	
Intersection		149+35	10	cy. of	Crushed	@	$14.56	per c.y.=	$145.60	
Energy Dissipator		294+25	5	cy. of	Rip Rap	@	$22.72	per c.y.=	$113.60	
Energy Dissipator		295+30	10	cy. of	Rip Rap	@	$22.70	per c.y.=	$227.00	
Energy Dissipator		302+30	5	cy. of	Rip Rap	@	$22.55	per c.y.=	$112.75	
Energy Dissipator		306+75	5	cy. of	Rip Rap	@	$22.45	per c.y.=	$112.25	
Intersection		414+50	30	cy. of	Crushed	@	$22.52	per c.y.=	$675.60	
Culvert backfill/bedding		513+40	25	cy. of	Crushed	@	$19.22	per c.y.=	$480.50	
Energy Dissipator		513+40	5	cy. of	Rip Rap	@	$18.92	per c.y.=	$94.60	
Culvert backfill/bedding		528+45	25	cy. of	Crushed	@	$18.90	per c.y.=	$472.50	
Energy Dissipator		528+45	5	cy. of	Rip Rap	@	$18.60	per c.y.=	$93.00	
Culvert backfill/bedding		535+35	25	cy. of	Crushed	@	$18.75	per c.y.=	$468.75	
Energy Dissipator		535+35	5	cy. of	Rip Rap	@	$18.45	per c.y.=	$92.25	
Spot Rock(209+05 to 632+90)		As Directed	200	cy. of	Crushed	@	$22.52	per c.y.=	$4,504.00	
Culvert backfill/bedding		615+85	25	cy. of	Crushed	@	$18.31	per c.y.=	$457.75	
Energy Dissipator		615+85	5	cy. of	Rip Rap	@	$18.61	per c.y.=	$93.05	
								TOTAL ROCK		**$55,434.65**

SPECIAL PROJECTS

Excavate material(128+00 to 131+10) and relay on North Fork Road	2.00	hours @	$385.00	per hour	$770.00	
Construct waste areas -	5.00	hours @	$220.00	per hour	$1,100.00	
Construct ditchouts -	2.00	@	$60.00	each	$120.00	
Ditch - No Endhaul	32.90	stations @	$90.00	per station	$2,961.00	
Ditch - Endhaul	76.10	stations @	$145.00	per station	$11,034.50	
Grade and shape road -	127.70	stations @	$24.40	per station	$3,115.88	
Clean Culverts	15.00	@	$65.00	each	$975.00	
Roll subgrade w/ vibratory roller-127+70 to 317+25	189.55	stations @	$19.40	per station	$3,677.27	
Grass seed -	2.00	acres @	$310.00	per acre	$620.00	
				TOTAL SPECIAL PROJECTS		**$24,373.65**
				GRAND TOTAL		**$86,580.84**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **C to D**

Construction -	27+85	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.53	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		Drill & Shoot	Endhaul	
0+00		1+40	49%		Ditch	$519	=			$726.60
1+40		2+15	23%		Ditch	$253	=			$189.75
2+15		3+75	36%		Ditch	$356	=			$569.60
3+75		8+75	73%		Ditch	$7,194	=		$35,970.00	$35,970.00
8+75		11+60	31%		Ditch	$3,858	=	$2,700.00	$8,295.00	$10,995.00
11+60		13+00	62%		Ditch	$8,571	=	$4,710.00	$7,290.00	$12,000.00
13+00		14+40	86%		Ditch	$11,782	=	$6,460.00	$10,035.00	$16,495.00
14+40		15+20	26%		Ditch	$4,900	=	$1,925.00	$1,995.00	$3,920.00
15+20		20+50	76%		Ditch	$10,103	=	$20,800.00	$32,745.00	$53,545.00
20+50		26+10	30%			$4,772	=	$12,920.00	$13,805.00	$26,725.00
26+10		27+85	17%			$17,017	=	$14,305.00	$15,475.00	$29,780.00
									TOTAL	**$190,915.95**

CULVERTS - MATERIALS & INSTALLATION

Culverts

60 LF of 18" $1,515.00

Culvert Stakes & Markers

2 markers $18.00

TOTAL CULVERTS **$1,533.00**

ROCK

0+00	to	27+85	1,600	cy. of	Jawrun	@	$16.12	per c.y.=	$25,792.00	
11+80	to	20+50	120	cy. of	Crushed	@	$22.13	per c.y.=	$2,655.60	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$15.83	per c.y.=	$474.90	
Landing Rock		27+85	70	cy. of	Jawrun	@	$16.42	per c.y.=	$1,149.40	
Energy Dissipator		5yds each	10	cy. of	Rip Rap	@	$13.73	per c.y.=	$137.30	
									TOTAL ROCK	**$30,209.20**

SPECIAL PROJECTS

Construct waste areas -	4.00	hours @	$220.00	per hour	$880.00	
Construct ditchouts -	2.00	@	$60.00	each	$120.00	
Endhaul stumps from landing -	4.00	hours @	$385.00	per hour	$1,540.00	
Grade and shape road -	27.85	stations @	$24.40	per station	$679.54	
Roll subgrade w/ vibratory roller prior to rocking -	27.85	stations @	$19.40	per station	$540.29	
Remove large stumps -	25.00	lump sum @	$110.00		$2,750.00	
Grass seed -	1.28	acres @	$310.00	per acre	$396.80	
					TOTAL SPECIAL PROJECTS	**$6,906.63**

GRAND TOTAL **$229,564.78**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **E to F**

Construction -	2+00	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		Drill & Shoot	Endhaul	
0+00		2+00	25%			$12,385	=	$12,540	$12,230	$24,770.00
									TOTAL	**$24,770.00**

ROCK

0+00	to	2+00	110	cy. of	Jawrun	@	$16.07	per c.y.=	$1,767.70	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$16.05	per c.y.=	$481.50	
Landing Rock		2+00	70	cy. of	Jawrun	@	$16.09	per c.y.=	$1,126.30	
									TOTAL ROCK	**$3,375.50**

SPECIAL PROJECTS

Endhaul stumps from landing -	1.00	hours @	$385.00	per hour	$385.00	
Grade and shape road -	2.00	stations @	$24.40	per station	$48.80	
Roll subgrade	2.00	stations @	$19.40	per station	$38.80	
Remove large stumps -	2.00	lump sum @	$110.00		$220.00	
Grass seed -	0.09	acres @	$310.00	per acre	$27.90	
					TOTAL SPECIAL PROJECTS	**$720.50**

GRAND TOTAL **$28,866.00**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **G to H**

Construction -	3+75	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		Drill & Shoot	Endhaul	
0+00		0+80	25%			$4,338	=	$1,740	$1,730	$3,470.00
0+80		1+50	45%			$7,857	=	$2,760	$2,740	$5,500.00
1+50		3+75	20%			$13,422	=	$15,145	$15,055	$30,200.00
									TOTAL	**$39,170.00**

ROCK

0+00	to	3+75	200	cy. of	Jawrun	@	$16.18	per c.y.=	$3,236.00	
0+00	to	1+65	30	cy. of	Crushed	@	$22.12	per c.y.=	$663.60	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$16.14	per c.y.=	$484.20	
Landing Rock		3+75	70	cy. of	Jawrun	@	$16.22	per c.y.=	$1,135.40	
									TOTAL ROCK	**$5,519.20**

SPECIAL PROJECTS

Endhaul stumps from landing -	1.00	hours @	$385.00	per hour	$385.00	
Grade and shape road -	3.75	stations @	$24.40	per station	$91.50	
Roll subgrade	3.75	stations @	$19.40	per station	$72.75	
Remove large stumps -	3.00	lump sum @	$110.00		$330.00	
Grass seed -	0.17	acres @	$310.00	per acre	$52.70	
					TOTAL SPECIAL PROJECTS	**$931.95**

GRAND TOTAL **$45,621.15**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **I to J**

Construction -	5+00	stations	Improvement -	0+00	stations	Reconstruction -	3+15	stations
	0.09	miles		0.00	miles		0.06	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		Drill & Shoot	Endhaul	
3+15		3+45	6%		Ditch	$183	=			$54.90
3+45		7+15	12%		Ditch	$198	=			$732.60
7+15		8+15	6%		Ditch	$183	=			$183.00
									TOTAL	**$970.50**

RECONSTRUCTION: CLEARING AND GRUBBING -

Remove Vegetative Material	2.00	hours	@	$220.00	per hour =	$440.00	
					TOTAL CLEARING AND GRUBBING		**$440.00**

ROCK

0+00	to	8+15	470	cy. of	Jawrun	@	$16.15	per c.y.=	$7,590.50	
0+30	to	6+75	80	cy. of	Crushed	@	$21.05	per c.y.=	$1,684.00	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$16.07	per c.y.=	$482.10	
Landing Rock		8+15	90	cy. of	Jawrun	@	$16.24	per c.y.=	$1,461.60	
Landing Rock		2+75	70	cy. of	Jawrun	@	$14.28	per c.y.=	$999.60	
									TOTAL ROCK	**$12,217.80**

SPECIAL PROJECTS

Construct Landings	4.00	hours @	$220.00	per hour	$880.00	
Endhaul stumps from landing -	0.50	hours @	$385.00	per hour	$192.50	
Grade and shape road -	8.15	stations @	$24.40	per station	$198.86	
Roll subgrade	8.15	stations @	$19.40	per station	$158.11	
Remove large stumps -	5.00	lump sum @	$110.00		$550.00	
Grass seed -	0.23	acres @	$310.00	per acre	$71.30	
					TOTAL SPECIAL PROJECTS	**$2,050.77**

GRAND TOTAL **$15,679.07**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **K to L**

Construction -	4+20	stations	Improvement -	0+00	stations	Reconstruction -	0+00	stations
	0.08	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		Drill & Shoot	Endhaul	
0+00		1+60	25%			$4,572	=	$2,835	$4,480	$7,315.00
1+60		3+85	19%			$7,862	=	$6,215	$11,475	$17,690.00
3+85		4+20	8%			$29,929	=	$5,100	$5,375	$10,475.00
									TOTAL	**$35,480.00**

ROCK

0+00	to	4+20	220	cy. of	Jawrun	@	$16.23	per c.y.=	$3,570.60	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$16.19	per c.y.=	$485.70	
Landing Rock		4+20	70	cy. of	Jawrun	@	$16.27	per c.y.=	$1,138.90	
									TOTAL ROCK	**$5,195.20**

SPECIAL PROJECTS

Endhaul stumps from landing -	3.00	hours @	$385.00	per hour	$1,155.00	
Grade and shape road -	4.20	stations @	$24.40	per station	$102.48	
Roll subgrade w/ vibratory roller prior to rocking -	4.20	stations @	$19.40	per station	$81.48	
Remove large stumps -	3.00	lump sum @	$110.00		$330.00	
Grass seed -	0.19	acres @	$310.00	per acre	$58.90	
					TOTAL SPECIAL PROJECTS	**$1,727.86**

GRAND TOTAL **$42,403.06**

SUMMARY OF CONSTRUCTION COST

Sale:	**South Side**	Road:	**M to N**

Construction -	4+55	stations	Improvement -		stations	Reconstruction -	0+00	stations
	0.09	miles		0.00	miles		0.00	miles

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

Station	to	Station	Avg. Sideslope	Avg. Dist. To W.A. (mi.)	Outslope/Ditch	Cost per Station		Drill & Shoot	Endhaul	
0+00		0+80	16%			$1,225	=		$980.00	$980.00
0+80		1+75	33%			$1,332	=		$1,265.00	$1,265.00
1+75		2+60	52%			$3,629	=		$3,085.00	$3,085.00
2+60		3+35	40%			$3,260	=		$2,445.00	$2,445.00
3+35		4+35	56%			$7,750	=	$2,655.00	$5,095.00	$7,750.00
4+35		4+55	23%			$5,600	=	$420.00	$700.00	$1,120.00
									TOTAL	**$16,645.00**

CULVERTS - MATERIALS & INSTALLATION

Culverts			
30	LF of 18"	$757.50	
		$757.50	
Culvert Stakes & Markers			
1	markers	$9.00	
		TOTAL CULVERTS	**$766.50**

ROCK

0+00	to	4+55	280	cy. of	Jawrun	@	$16.00	per c.y.=	$4,480.00	
0+25	to	3+35	40	cy. of	Crushed	@	$22.11	per c.y.=	$884.40	
Intersection Widening		0+00	30	cy. of	Jawrun	@	$15.96	per c.y.=	$478.80	
Landing Rock		3+90	70	cy. of	Jawrun	@	$16.04	per c.y.=	$1,122.80	
									TOTAL ROCK	**$6,966.00**

SPECIAL PROJECTS

Endhaul stumps from landing -	2.00	hours @	$385.00	per hour	$770.00	
Grade and shape road -	4.55	stations @	$24.40	per station	$111.02	
Roll subgrade w/ vibratory roller prior to rocking -	4.55	stations @	$19.40	per station	$88.27	
Remove large stumps -	1.00	lump sum @	$110.00		$110.00	
Grass seed -	0.21	acres @	$310.00	per acre	$65.10	
					TOTAL SPECIAL PROJECTS	**$1,144.39**

GRAND TOTAL **$25,521.89**

SUMMARY OF CONSTRUCTION COST

Sale:	**South Side**	Road:	**O to P**

Construction -	3+00	stations	Improvement -	19+00	stations	Reconstruction -	0+00	stations
	0.06	miles		0.36	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		Drill & Shoot	Endhaul	
19+00		22+00	25%		Outslope	$229	=			$687.00
									TOTAL	**$687.00**

CULVERTS - MATERIALS & INSTALLATION

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

ROCK

19+00 to	22+00	160	cy. of	Jawrun	@	$16.26 per c.y.=	$2,601.60	
Spot Rock	As Directed	20	cy. of	Crushed	@	$21.67 per c.y.=	$433.40	
Intersection Widening	19+00	30	cy. of	Jawrun	@	$16.23 per c.y.=	$486.90	
Landing Rock	22+00	60	cy. of	Jawrun	@	$16.29 per c.y.=	$977.40	
Energy Dissipator	18+80	5	cy. of	Rip Rap	@	$13.88 per c.y.=	$69.40	
							TOTAL ROCK	**$5,154.00**

SPECIAL PROJECTS

Construct Landings	2.00	hours @	$385.00	per hour	$770.00	
Move waste material -	1.00	hours @	$220.00	per hour	$220.00	
Construct waste areas -	1.00	hours @	$220.00	per hour	$220.00	
Ditch - Endhaul	12.00	stations @	$145.00	per station	$1,740.00	
Endhaul stumps from landing -	0.25	hours @	$385.00	per hour	$96.25	
Grade and shape road -	22.00	stations @	$24.40	per station	$536.80	
Roll subgrade w/ vibratory roller prior to rocking -	22.00	stations @	$19.40	per station	$426.80	
Grass seed -	1.21	acres @	$310.00	per acre	$375.10	
					TOTAL SPECIAL PROJECTS	**$4,384.95**

GRAND TOTAL **$11,244.95**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **Point Q**

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

IMPROVEMENT: CLEARING AND GRUBBING -						
Remove Vegetation & Waste Material	0.161	acres @	$955.00	per acre =	$153.76	
				TOTAL CLEARING AND GRUBBING		**$153.76**
IMPROVEMENT: EXCAVATION -						
Widen 10ft into hillside for truck turnaround	260	cy. @	$4.40	per c.y.=	$1,144.00	
Spread & compact	260	cy. @	$1.65	per c.y.=	$429.00	
				TOTAL EXCAVATION		**$1,573.00**
IMPROVEMENT: ENDHAUL -						
Endhaul vegetation & waste material	6	hours @	$165.00	per hour=	$990.00	
				TOTAL ENDHAUL		**$990.00**
				GRAND TOTAL		**$2,716.76**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **S to T**

Construction -	0+00	stations	Improvement -	4+50	stations	Reconstruction -	0+00	stations
	0.00	miles		0.09	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Pluck Alders	2.00	hours @	$220.00	per hour =	$440.00	
				TOTAL CLEARING AND GRUBBING		**$440.00**

SPECIAL PROJECTS

Construct waste areas -	1.00	hours @	$220.00	per hour	$220.00	
Grade and shape road -	4.50	stations @	$24.40	per station	$109.80	
Grass seed -	0.01	acres @	$310.00	per acre	$3.10	
				TOTAL SPECIAL PROJECTS		**$332.90**

GRAND TOTAL **$772.90**

SUMMARY OF CONSTRUCTION COST

Sale: **South Side** Road: **Y to Z**

Construction -	0+00	stations	Improvement -	15+00	stations	Reconstruction -	0+00	stations
	0.00	miles		0.28	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Pluck Alders	5.00	hours @	$220.00	per hour =	$1,100.00	
				TOTAL CLEARING AND GRUBBING		**$1,100.00**

SPECIAL PROJECTS

Construct waste areas -	2.00	hours @	$220.00	per hour	$440.00	
Grade and shape road -	15.00	stations @	$24.40	per station	$366.00	
Grass seed -	0.25	acres @	$310.00	per acre	$77.50	
				TOTAL SPECIAL PROJECTS		**$883.50**
				GRAND TOTAL		**$1,983.50**

ROCK PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Tin Shack Pit	Location:	Sec. 12, T2N, R8W, W.M.	
Sale:	**South Side**		Road:	9890 c.y.
Swell:	1.40		Stockpile:	c.y.
Shirinkage	1.16		Total Truck Loads:	9890 c.y.
Drill Pct.:	100%		In Place Total:	7064 c.y.

Drill & Shoot:	$3.60	/cu.yd.	x	7064	cu.yds.	=	$25,430.40
Push Rock:	$1.20	/cu.yd.	x	9890	cu.yds.	=	$11,868.00
Load Crusher:	$1.20	/cu.yd.	x	9890	cu.yds.	=	$11,868.00
Crush Rock:	$5.20	/cu.yd.	x	9890	cu.yds.	=	$51,428.00
Load Dump Truck:	$1.20	/cu.yd.	x	9890	cu.yds.	=	$11,868.00
Screen & Reject	$1.60	/cu.yd.	x	9890	cu.yds.	=	$15,824.00
Haul Reject Material	$2.00	/cu.yd.	x	2473			$4,946.00
						Subtotal	$133,232.40

Move In/Set-up Crusher	1	@	$6,157.41	=	$6,157.41
Move In and set up Drill and Compressor	1	@	$2,522.41	=	$2,522.41
(1/4)Move in Loader	1	@	$627.28	=	$627.28
(1/4)Move in Excavator	1	@	$656.03	=	$656.03
				Subtotal	$9,963.13

TOTAL PRODUCTION COSTS $143,195.53

Base Cost= $14.48 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 41450 44480 (Crushed)	4.17	3.55	14.48	22.20	690		$15,318.00
A to B 51340 53925 (Crushed)	2.97	3.55	14.48	21.00	590		$12,390.00
A to B Energy Dissipator (Rip Rap)	10.51	1.70	14.48	26.69	5		$133.45
A to B Energy Dissipator (Rip Rap)	10.49	1.20	14.48	26.17	10		$261.70
A to B Energy Dissipator (Rip Rap)	7.04	1.20	14.48	22.72	5		$113.60
A to B Energy Dissipator (Rip Rap)	7.02	1.20	14.48	22.70	10		$227.00
A to B Energy Dissipator (Rip Rap)	6.87	1.20	14.48	22.55	5		$112.75
A to B Energy Dissipator (Rip Rap)	6.77	1.20	14.48	22.45	5		$112.25
A to B Intersection (Crushed)	4.49	3.55	14.48	22.52	30		$675.60
A to B Culvert backfill/bedding (Crushed)	3.24	1.50	14.48	19.22	25		$480.50
A to B Energy Dissipator (Rip Rap)	3.24	1.20	14.48	18.92	5		$94.60
A to B Culvert backfill/bedding (Crushed)	2.92	1.50	14.48	18.90	25		$472.50
A to B Energy Dissipator (Rip Rap)	2.92	1.20	14.48	18.60	5		$93.00
A to B Culvert backfill/bedding (Crushed)	2.77	1.50	14.48	18.75	25		$468.75
A to B Energy Dissipator (Rip Rap)	2.77	1.20	14.48	18.45	5		$92.25
A to B Spot Rock(209+05 to 632+90) (C	4.49	3.55	14.48	22.52	200		$4,504.00
A to B Culvert backfill/bedding (Crushed)	2.63	1.20	14.48	18.31	25		$457.75
A to B Energy Dissipator (Rip Rap)	2.63	1.50	14.48	18.61	5		$93.05
C to D 1180 2050 (Crushed)	4.10	3.55	14.48	22.13	120		$2,655.60
G to H 0 165 (Crushed)	4.09	3.55	14.48	22.12	30		$663.60
I to J 30 675 (Crushed)	3.02	3.55	14.48	21.05	80		$1,684.00
M to N 25 335 (Crushed)	4.08	3.55	14.48	22.11	40		$884.40
O to P Spot Rock (Crushed)	3.64	3.55	14.48	21.67	20		$433.40
O to P Culvert backfill/bedding (Crushed	3.83	1.20	14.48	19.51	30		$585.30
Point T Stockpile	5.85	0.90	14.48	21.23	500		$10,615.00
Point V Stockpile	1.93	0.90	14.48	17.31	1000		$17,310.00
Point W Stockpile	1.68	0.90	14.48	17.06	3000		$51,180.00
Tin Shack Pit	1.30	0.90	14.48	16.68	3000		$50,040.00
Project Work Maintenance Rock	4.99	3.55	14.48	23.02	400		$9,208.00
				Total C.Y.	9890	Sub Total	$181,360.05

TOTAL ROCKING COSTS $181,360.05

ROCK DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Onsite Jawrun	Location:	Sec. 36 , T3N, R8W, W.M.	
Sale:	**South Side**		Road:	3835 c.y.
Swell:	1.40		Stockpile:	c.y.
Shirinkage	1.16		Total Truck Loads:	3835 c.y.
Drill Pct.:	0%		In Place Total:	2739 c.y.

Load Crusher:	$1.20	/cu.yd.	x	3835	cu.yds.	=	$4,602.00
Crush Rock:	$4.30	/cu.yd.	x	3835	cu.yds.	=	$16,490.50
Load Dump Truck:	$1.20	/cu.yd.	x	3835	cu.yds.	=	$4,602.00
						Subtotal	$25,694.50

Move In/Set-up Jaw	1	@	$2,121.00	=	$2,121.00
Move in Roller and Compactor	1	@	$1,338.20	=	$1,338.20
Move in Grader	1	@	$2,728.22	=	$2,728.22
Move in Loader	1	@	$2,509.11	=	$2,509.11
Move in Excavator	1	@	$2,624.11	=	$2,624.11
Move in Trucks	3	@	$581.63	=	$1,744.89
Move in Water Truck	1	@	$581.63	=	$581.63
				Subtotal	$13,647.16

TOTAL PRODUCTION COSTS $39,341.66

Base Cost= $10.26 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 0 2785 (Jawrun)	2.31	3.55	10.26	16.12	1600		$25,792.00
C to D Intersection Widening (Jawrun)	2.02	3.55	10.26	15.83	30		$474.90
C to D Landing Rock (Jawrun)	2.61	3.55	10.26	16.42	70		$1,149.40
C to D Energy Dissipator (Rip Rap)	2.27	1.20	10.26	13.73	10		$137.30
E to F 0 200 (Jawrun)	2.26	3.55	10.26	16.07	110		$1,767.70
E to F Intersection Widening (Jawrun)	2.24	3.55	10.26	16.05	30		$481.50
E to F Landing Rock (Jawrun)	2.28	3.55	10.26	16.09	70		$1,126.30
G to H 0 375 (Jawrun)	2.37	3.55	10.26	16.18	200		$3,236.00
G to H Intersection Widening (Jawrun)	2.33	3.55	10.26	16.14	30		$484.20
G to H Landing Rock (Jawrun)	2.41	3.55	10.26	16.22	70		$1,135.40
I to J 0 815 (Jawrun)	2.34	3.55	10.26	16.15	470		$7,590.50
I to J Intersection Widening (Jawrun)	2.26	3.55	10.26	16.07	30		$482.10
I to J Landing Rock (Jawrun)	2.43	3.55	10.26	16.24	90		$1,461.60
I to J Landing Rock (Jawrun)	2.32	1.70	10.26	14.28	70		$999.60
K to L 0 420 (Jawrun)	2.42	3.55	10.26	16.23	220		$3,570.60
K to L Intersection Widening (Jawrun)	2.38	3.55	10.26	16.19	30		$485.70
K to L Landing Rock (Jawrun)	2.46	3.55	10.26	16.27	70		$1,138.90
M to N 0 455 (Jawrun)	2.19	3.55	10.26	16.00	280		$4,480.00
M to N Intersection Widening (Jawrun)	2.15	3.55	10.26	15.96	30		$478.80
M to N Landing Rock (Jawrun)	2.23	3.55	10.26	16.04	70		$1,122.80
O to P 1900 2200 (Jawrun)	2.45	3.55	10.26	16.26	160		$2,601.60
O to P Intersection Widening (Jawrun)	2.42	3.55	10.26	16.23	30		$486.90
O to P Landing Rock (Jawrun)	2.48	3.55	10.26	16.29	60		$977.40
O to P Energy Dissipator (Rip Rap)	2.42	1.20	10.26	13.88	5		$69.40
				Total C.Y.	3835	Sub Total	$61,730.60

TOTAL ROCKING COSTS $61,730.60

STOCKPILE ROCK COST SUMMARY

Pit:	Crushed Stockpile	Location:	Sec. 29 & 32 , T1N, R7W, W.M.	
Sale:	**South Side**		Road:	1540 c.y.
Swell:	1.40		Stockpile:	c.y.
Shirinkage	1.16		Total Truck Loads:	1540 c.y.
Drill Pct.:	0%		In Place Total:	1100 c.y.

Load Dump Truck:	$1.20	/cu.yd.	x	1540	cu.yds. =	$1,848.00
					Subtotal	$1,848.00

Move in Loader	1	@	$260.00	=	$260.00
Move in Trucks	3	@	$581.63	=	$1,744.89
Move in Water Truck	1	@	$581.63	=	$581.63
				Subtotal	$2,586.52

TOTAL PRODUCTION COSTS $4,434.52

Base Cost= $2.88 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
A to B 12880 13110 (Crushed)	6.69	3.55	2.88	13.12	30		$393.60
A to B 14895 20905 (Crushed)	6.19	3.55	2.88	12.62	1350		$17,037.00
A to B Spot Rock(0+00 to 127+70) (Crushed)	5.25	3.55	2.88	11.68	100		$1,168.00
A to B Spot Rock (Crushed)	4.73	3.55	2.88	11.16	20		$223.20
A to B Rock Berm(126+80 to 128+30) (Crushed)	5.77	3.55	2.88	12.20	5		$61.00
A to B Culvert backfill/bedding (Crushed)	5.79	3.55	2.88	12.22	25		$305.50
A to B Intersection (Crushed)	8.13	3.55	2.88	14.56	10		$145.60
				Total C.Y.	1540	Sub Total	$19,333.90

TOTAL ROCKING COSTS $19,333.90

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

Sale: **South Side**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
22.1	Pavement	30
15.4	Main Lines	7
22.3	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	Drill & Compressor	$2,522.41		$46.00	0.00	4.80	4.8	$220.80	$2,743.21
1	Graders	$2,728.22		$3.65	0.00	4.80	4.8	$17.52	$2,745.74
1	Rollers (smooth/grid) & Compactors	$1,338.20		$5.00	0.00	4.80	4.8	$24.00	$1,362.20
1	Excavators (Large)	$2,624.11	1	$44.80	0.00	4.80	4.80	$215.04	$2,839.15
1	Tractor (D8)	$2,668.31	2	$15.10	0.00	4.80	4.8	$72.48	$2,740.79
2	Dump Truck (Off Hiway)	$5,194.41	1	$4.75	0.00	4.80	4.8	$45.60	$5,240.01
					TOTAL MOVE-IN COSTS:				$17,671.10

OREGON DEPARTMENT OF FORESTRY
CRUISE REPORT
South Side

1. Type of Sale

Regeneration harvest, Recovery

2. Legal Description

3. Section(s) 35, 36 of T3N R8W, Section(s) 31 of T3N R7W, Section(s) 1, 2 of T2N R8W W.M.

4. Sale Acreage

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

	ACRES	
	Gross	Net
Unit 1 (Modified Clearcut)	155	116
Unit 2 (Modified Clearcut)	75	64
Unit 3 (Modified Clearcut)	94	77
Total	324	257

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.

5. Cruising Procedures

A. Cruise Method

The timber sale was cruised using variable plot sampling. The unit was cruised by ODF staff April to May 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	300’ x 300’
3	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.

6. 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	116	34	11.3	66.0
2	64	21	7.5	33.5
3	77	33	7.7	44.4
Project Total	257	88	8.8	48.0

7. Hidden Defect and Breakage

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

8. Timber Description

Unit 1 is modified clearcut. The Unit is Douglas-fir dominated stand, with a minor component of red alder. This stand was seeded between 1960-1961. The southeast portion of the unit was thinned with Cook Shack in 2001.

Unit 2 is modified clearcut. The Unit is a mixed stand with Douglas-fir and western hemlock with a minor component of red alder. Unit 2 was seeded between 1960-1961. This stand was thinned with Cook Shack in 2001.

Unit 3 is modified clearcut. The Unit is a mixed stand of Douglas-fir and western hemlock with a minor component of red alder. Unit 3 was seeded between 1960-1961, and the eastern portion of the unit was thinned with Cook Shack in 2001.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)	Merchantable top (inches inside bark)
1	73	Douglas-fir	18.3	69	5
		Red alder	15.0	38	6
2	73	Douglas-fir	17.5	70	5
		Western hemlock	19.5	65	5

		Red alder	18.5	62	6
3	56	Douglas-fir	18.0	73	5
		Western Hemlock	16.6	71	5
		Red alder	12.1	33	6

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

9. Cruiser /Dates

ODF Staff Cruised; April-May 2024.

Revenue Distribution

BOF – 100%

Tax Code: 5601 (100%)

Deed Numbers: 35, 96, 70

Attachments

Volume Summary Table

Stand Table

Log Stock Table

Species, Sort, Grade Table

Logging Plan

10. Stand and Log Stock Tables Species Key

DF – Douglas-fir
RA – Red alder
WH- Western Hemlock
OC – Other Conifer
BM – Big Leaf Maple Leave

TC TLOGSTVB

Log Stock Table - MBF

Project: SSIDE

TT2N RR8W S01 T0100 **TT2N RR8W S01 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees		
T2N	R8W	01	UNIT 1	0100	116.00	34	119	Page	1
								Date	6/4/2024
								Time	2:35:48PM

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	17		17	.8									17			
DF		CO	2	18	16		16	.7									16			
DF		CO	2	22	19		19	.8								19				
DF		CO	2	26	19		19	.8						19						
DF		CO	2	34	18		18	.8								18				
DF		CO	2	40	1,361		1,361	60.3						330	304	511	216			
DF		CO	3	19	2		2	.1				2								
DF		CO	3	20	4		4	.2					4							
DF		CO	3	25	15		15	.7					15							
DF		CO	3	35	3		3	.1				3								
DF		CO	3	36	4		4	.2			4									
DF		CO	3	40	541		541	24.0			73	206	227	20	14					
DF		CO	3	41	6		6	.3				6								
DF		CO	4	13	11		11	.5			11									
DF		CO	4	14	3		3	.1		2		1								
DF		CO	4	15	3		3	.1		2		1								
DF		CO	4	16	7		7	.3		7										
DF		CO	4	17	8		8	.3		6	2									
DF		CO	4	18	5		5	.2		5										
DF		CO	4	19	1		1	.1			1									
DF		CO	4	20	13		13	.6		8	5									
DF		CO	4	22	2		2	.1				2								
DF		CO	4	23	2		2	.1		2										
DF		CO	4	24	3		3	.1		3										
DF		CO	4	25	4		4	.2		4										
DF		CO	4	27	29		29	1.3		17	2	2	8							
DF		CO	4	28	4		4	.2		4										
DF		CO	4	30	21		21	.9		21										
DF		CO	4	31	2		2	.1		2										
DF		CO	4	32	5		5	.2		5										
DF		CO	4	33	3		3	.1			3									
DF		CO	4	34	6		6	.3		6										
DF		CO	4	36	10		10	.5		10										
DF		CO	4	37	13		13	.6		13										
DF		CO	4	38	23		23	1.0		23										
DF		CO	4	40	52		52	2.3		8	37	6								
DF		Totals			2,256		2,256	78.0		148	139	229	255	369	318	547	250			
RA		H	2	40	94		94	16.1						24	70					
RA		H	3	18	15		15	2.6					15							
RA		H	3	28	12		12	2.0					12							
RA		H	3	32	40		40	6.9					40							
RA		H	3	40	78		78	13.2					78							
RA		H	4	12	7		7	1.1				7								
RA		H	4	14	2		2	.4			2									
RA		H	4	16	13		13	2.2			13									
RA		H	4	17	2		2	.3			2									
RA		H	4	18	2		2	.3			2									
RA		H	4	19	2		2	.3			2									
RA		H	4	25	7		7	1.3			7									
RA		H	4	29	20		20	3.4			20									

TC TLOGSTVB

Log Stock Table - MBF

Project: SSIDE

TT2N RR8W S01 T0100 **TT2N RR8W S01 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
T2N	R8W	01	UNIT 1	0100	116.00	34	119

Page 2
Date 6/4/2024
Time 2:35:48PM

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	31	11		11	1.9			11									
RA		H	4	33	24		24	4.0			24									
RA		H	4	34	23		23	3.9			23									
RA		H	4	36	34		34	5.8			34									
RA		H	4	38	24		24	4.1			24									
RA		H	4	40	178		178	30.3			134	43								
RA			Totals		586		586	20.3			297	50	145	24	70					
BM		H	3	32	8		8	16.1			8									
BM		H	3	34	7		7	14.2			7									
BM		H	3	38	6		6	11.5			6									
BM		H	3	30	10		10	19.5					10							
BM		H	3	36	7		7	15.0					7							
BM		H	4	28	6		6	11.2			6									
BM		H	4	32	6		6	12.5			6									
BM			Totals		49		49	1.7			32		17							
Total All Species					2,891		2,891	100.0		148	469	279	416	393	388	547	250			

T	TSPCSTGR	Species, Sort Grade - Board Foot Volumes (Type)	Page	1
		Project: SSIDE	Date	6/28/2024
			Time	8:01:36AM

TT2N RR8W S01 T0100 **TT2N RR8W S01 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
T2N	R8W	01	UNIT 1	0100	116.00	34	119	S	W

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length								
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ln Ft	Dia In	Bd Ft	CF/ Lf	
DF		CO	2	64		12,506	12,506	1,451			61	39	2	3	1	94	39	15	341	1.92	36.7
DF		CO	3	25		4,958	4,958	575		94	6		1	3	1	96	39	9	114	0.82	43.4
DF		CO	4	11		1,986	1,986	230	64	36			22	28	7	43	27	6	33	0.39	59.5
DF	**Totals**			78		19,451	19,451	2,256	7	28	41	25	4	5	2	89	34	9	139	1.01	139.5
RA		H	2	16		814	814	94			100					100	40	13	260	1.83	3.1
RA		H	3	24		1,247	1,247	145		100			10	8	28	54	33	10	130	1.28	9.6
RA		H	4	60		2,990	2,990	347		100			8	8	17	68	32	6	52	0.63	57.4
RA	**Totals**			20		5,051	5,051	586		84	16		7	7	17	69	32	7	72	0.79	70.1
BM		H	3	41		178	178	21		100					72	28	34	6	54	0.87	3.3
BM		H	3	35		147	147	17		100				56		44	33	11	134	1.80	1.1
BM		H	4	24		101	101	12		100				47	53		30	6	50	0.94	2.0
BM	**Totals**			2		425	425	49		100				31	43	27	33	7	67	1.05	6.4
Type Totals						24,927	24,927	2,891	5	40	35	19	5	6	5	84	33	8	115	0.94	216.0

Stand Table Summary

Project **SSIDE**

TT2N RR8W S01 T0100 **TT2N RR8W S01 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
T2N	**R8W**	**01**	**UNIT 1**	**0100**	116.00	34	119

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	80	17	4.102	1.81	4.10	3.5	20.0	.41	15	82	48	17	10
DF		10	2	71	42	6.646	3.62	6.65	8.0	25.0	1.52	53	166	176	62	19
DF		11	3	81	52	8.239	5.44	8.24	12.5	36.7	2.94	103	302	341	119	35
DF		12	1	83	53	2.308	1.81	2.31	15.1	40.0	1.00	35	92	115	41	11
DF		13	1	84	81	1.966	1.81	3.93	13.5	45.0	1.51	53	177	176	62	21
DF		15	4	85	98	5.908	7.25	11.82	19.8	80.0	6.67	234	945	773	271	110
DF		16	5	84	98	6.490	9.06	12.98	24.0	91.0	8.87	311	1,181	1,029	361	137
DF		17	3	88	103	3.449	5.44	6.90	26.2	106.7	5.15	181	736	598	210	85
DF		18	4	87	101	4.102	7.25	9.23	28.0	108.9	7.35	258	1,005	853	299	117
DF		19	6	83	100	5.523	10.87	11.97	29.9	113.1	10.21	358	1,353	1,184	416	157
DF		20	4	86	120	3.323	7.25	9.14	33.5	136.4	8.73	306	1,246	1,012	355	145
DF		21	6	86	114	4.521	10.87	9.80	41.5	167.7	11.57	406	1,643	1,343	471	191
DF		22	3	84	108	2.060	5.44	4.81	45.0	170.0	6.16	216	817	715	251	95
DF		23	6	85	119	3.769	10.87	10.05	46.0	191.2	13.19	463	1,922	1,530	537	223
DF		24	5	88	117	2.885	9.06	7.50	50.3	222.3	10.76	378	1,667	1,248	438	193
DF		25	1	88	121	.532	1.81	1.60	49.0	223.3	2.23	78	356	258	91	41
DF		26	3	86	93	1.475	5.44	2.95	60.4	266.7	5.08	178	787	589	207	91
DF		27	4	83	125	1.823	7.25	5.01	60.9	264.5	8.70	305	1,326	1,009	354	154
DF		28	2	81	94	.848	3.62	1.70	59.2	212.5	2.86	100	360	332	116	42
DF		29	3	88	103	1.185	5.44	3.16	58.0	263.7	5.22	183	834	606	213	97
DF		30	2	86	149	.738	3.62	1.85	96.1	492.0	5.06	177	908	586	206	105
DF		31	2	85	117	.692	3.62	1.73	78.1	352.0	3.85	135	609	446	157	71
DF		33	2	85	114	.610	3.62	1.53	96.8	436.0	4.21	148	665	488	171	77
DF		34	1	91	96	.287	1.81	.57	105.8	470.0	1.73	61	270	201	71	31
DF		Totals	74	83	87	73.481	134.12	139.50	33.9	139.4	134.97	4,736	19,451	15,657	5,494	2,256
RA		11	2	76	79	6.825	4.50	6.83	19.3	60.0	3.63	132	410	421	153	48
RA		12	3	77	34	8.602	6.76	8.60	11.1	33.3	2.63	95	287	305	111	33
RA		13	6	80	52	14.660	13.51	14.66	20.1	53.3	8.10	295	782	940	342	91
RA		14	3	83	54	6.320	6.76	6.32	24.5	60.0	4.26	155	379	494	180	44
RA		15	5	79	55	9.176	11.26	9.18	28.3	68.0	7.15	260	624	829	302	72
RA		16	5	82	44	8.065	11.26	8.06	25.9	70.0	5.74	209	565	666	242	65
RA		17	1	86	74	1.429	2.25	2.86	24.2	85.0	1.90	69	243	220	80	28
RA		18	2	86	54	2.549	4.50	2.55	38.7	120.0	2.71	99	306	315	114	35
RA		19	1	89	71	1.144	2.25	2.29	27.7	100.0	1.74	63	229	202	73	27
RA		20	2	87	53	2.065	4.50	3.10	32.6	106.7	2.77	101	330	322	117	38
RA		23	1	83	61	.781	2.25	.78	70.9	180.0	1.52	55	141	177	64	16
RA		24	3	82	67	2.151	6.76	3.58	54.3	154.0	5.35	195	552	621	226	64
RA		25	1	85	69	.661	2.25	1.32	50.5	155.0	1.83	67	205	213	77	24
RA		Totals	35	80	54	64.426	78.82	70.13	25.6	72.0	49.33	1,794	5,051	5,722	2,081	586
BM		15	1	83	41	1.370	1.68	1.37	22.8	50.0	.83	31	68	96	36	8
BM		16	1	82	43	1.204	1.68	1.20	27.1	50.0	.86	33	60	100	38	7
BM		17	1	77	39	1.066	1.68	1.07	28.4	50.0	.80	30	53	93	35	6
BM		18	1	83	35	.951	1.68	.95	28.5	50.0	.72	27	48	83	31	6
BM		21	1	88	46	.699	1.68	.70	46.5	70.0	.86	33	49	100	38	6
BM		22	1	83	42	.637	1.68	.64	49.5	130.0	.84	32	83	97	37	10
BM		26	1	85	46	.456	1.68	.46	71.2	140.0	.86	32	64	100	38	7
BM		Totals	7	82	41	6.382	11.76	6.38	34.1	66.6	5.77	218	425	669	252	49
OC		18	1	82	35	.666	1.18									
OC		20	1	86	96	.539	1.18									

TC TSTNDSUM

Stand Table Summary

Project SSIDE

TT2N RR8W S01 T0100

TT2N RR8W S01 T0100

Date: 06/04/2024

Time: 2:35:48PM

Twp	**Rge**	**Sec**	**Tract**	**Type**	**Acres**	**Plots**	**Sample Trees**
T2N	**R8W**	**01**	**UNIT 1**	**0100**	116.00	34	119

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**
OC		Totals	2	84	62	1.205	2.35									
Totals			118	82	70	145.494	227.06	216.01	31.2	115.4	190.07	6747	24,927	22,048	7,827	2,891

TC TLOGSTVB

Log Stock Table - MBF

Project: SSIDE

TT3N RR8W S31 T0100 **TT3N RR8W S31 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
T3N	R8W	31	212	0100	64.00	21	73

Page 1
Date 5/29/2024
Time 8:42:47AM

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+
									Net Volume by Scaling Diameter in Inches											
DF		CO	2	20	12		12	1.0								12				
DF		CO	2	40	642		642	53.7						104	240	209	89			
DF		CO	3	27	2		2	.2				2								
DF		CO	3	31	2		2	.2			2									
DF		CO	3	40	361		361	30.2			76	88	115	82						
DF		CO	4	12	1		1	.1		1										
DF		CO	4	14	3		3	.2		3										
DF		CO	4	15	11		11	.9		4	7									
DF		CO	4	16	1		1	.1		1										
DF		CO	4	17	3		3	.2		3										
DF		CO	4	18	4		4	.3		4										
DF		CO	4	19	4		4	.4		4										
DF		CO	4	20	14		14	1.2								14				
DF		CO	4	21	2		2	.1		2										
DF		CO	4	22	2		2	.2			2									
DF		CO	4	23	3		3	.3		1		2								
DF		CO	4	26	9		9	.7		9										
DF		CO	4	27	9		9	.8		7	2									
DF		CO	4	28	13		13	1.1		13										
DF		CO	4	29	4		4	.3		4										
DF		CO	4	30	12		12	1.0		4			8							
DF		CO	4	31	7		7	.6		7										
DF		CO	4	40	77		77	6.4			36	41								
DF		Totals			1,196		1,196	52.5		66	125	133	123	186	240	235	89			
WH		CO	2	40	801		801	77.0						116	228	348	72	38		
WH		CO	3	30	3		3	.3				3								
WH		CO	3	31	3		3	.2				3								
WH		CO	3	36	4		4	.4			4									
WH		CO	3	40	184		184	17.7			35	59	58	14		18				
WH		CO	4	13	2		2	.2		1	1									
WH		CO	4	14	2		2	.2		1	1									
WH		CO	4	15	17		17	1.7		2	8	7								
WH		CO	4	16	10		10	.9		2	8									
WH		CO	4	23	5		5	.4			5									
WH		CO	4	24	2		2	.2			2									
WH		CO	4	29	3		3	.3			3									
WH		CO	4	40	5		5	.5		5										
WH		Totals			1,041		1,041	45.7		10	67	72	58	130	228	366	72	38		
RA		H	3	40	37		37	90.5					19	19						
RA		H	4	19	2		2	4.5			2									
RA		H	4	20	2		2	5.0			2									
RA		Totals			41		41	1.8			4		19	19						
Total All Species					2,278		2,278	100.0		76	196	204	199	335	468	601	161	38		

T **TSPCSTGR**

Species, Sort Grade - Board Foot Volumes (Type)

Project: **SSIDE**

Page **1**
Date **5/29/2024**
Time **8:42:47AM**

TT3N RR8W S31 T0100

Twp	**Rge**	**Sec**	**Tract**	**Type**	**Acres**	**Plots**	**Sample Trees**	**CuFt**	**BdFt**
T3N	**R8W**	**31**	**212**	**0100**	**64.00**	21	73	**S**	**W**

TT3N RR8W S31 T0100

				%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs
									Log Scale Dia.				Log Length								
Spp	S T	So rt	Gr ad	Net BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ln Ft	Dia In	Bd Ft	CF/ Lf	Per /Acre
DF		CO	2	54		10,227	10,227	655			62	38	2			98	39	15	350	1.97	29.2
DF		CO	3	31		5,704	5,704	365		78	22			1	1	99	40	9	113	0.78	50.5
DF		CO	4	15		2,759	2,759	177	37	55		8	23	30	4	43	26	6	41	0.43	67.5
DF	**Totals**			53		18,690	18,690	1,196	6	32	41	22	4	5	1	90	33	9	127	0.93	147.3
WH		CO	2	76		12,521	12,521	801			52	48				100	40	16	396	1.97	31.7
WH		CO	3	19		3,022	3,022	193		83	7	9		1	1	97	39	9	116	0.96	26.0
WH		CO	4	5		722	722	46	22	78			69	20		11	18	6	24	0.47	30.5
WH	**Totals**			46		16,266	16,266	1,041	1	19	41	39	3	1	0	96	32	10	184	1.32	88.2
RA		H	3	90		581	581	37		50	50					100	40	11	189	1.29	3.1
RA		H	4	10		61	61	4		100			100				20	6	20	0.46	3.1
RA	**Totals**			2		643	643	41		55	45		10			90	30	9	105	1.02	6.1
Type Totals						35,599	35,599	2,278	3	26	41	29	4	3	1	93	33	9	147	1.07	241.6

TC TSTNDSUM

Stand Table Summary

Project **SSIDE**

TT3N RR8W S31 T0100 **TT3N RR8W S31 T0100**

Twp	**Rge**	**Sec**	**Tract**	**Type**	**Acres**	**Plots**	**Sample Trees**
T3N	**R8W**	**31**	**212**	**0100**	64.00	21	73

Page: 1
Date: 05/29/2024
Time: 8:42:47AM

	S				Av				Average Log			Net	Net	Totals		
	S		Sample	FF	Ht	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.			
Spc	**T**	**DBH**	**Trees**	**16'**	**Tot**	**Acre**	**Acre**	**Acre**	**Cu.Ft.**	**Bd.Ft.**	**Acre**	**Acre**	**Acre**	**Tons**	**Cunits**	**MBF**
DF		10	1	83	22	5.442	2.97	5.44	5.3	20.0	.82	29	109	53	19	7
DF		11	2	83	62	8.994	5.94	13.49	9.4	33.3	3.63	127	450	232	82	29
DF		12	2	83	35	7.558	5.94	7.56	10.9	30.0	2.36	83	227	151	53	15
DF		13	2	84	106	6.440	5.94	12.88	16.9	67.5	6.19	217	869	396	139	56
DF		14	2	83	86	5.553	5.94	11.11	16.8	57.5	5.31	186	639	340	119	41
DF		15	1	83	121	2.418	2.97	4.84	25.1	105.0	3.47	122	508	222	78	33
DF		16	3	83	87	6.377	8.90	12.75	22.8	83.3	8.30	291	1,063	531	186	68
DF		17	3	85	107	5.649	8.90	11.30	29.3	115.0	9.42	331	1,299	603	212	83
DF		18	1	89	106	1.679	2.97	3.36	33.4	130.0	3.20	112	437	205	72	28
DF		19	2	86	100	3.015	5.94	6.03	35.4	125.0	6.08	213	754	389	136	48
DF		20	2	85	108	2.721	5.94	5.44	41.5	152.5	6.44	226	830	412	145	53
DF		21	2	83	124	2.468	5.94	7.40	35.2	143.3	7.42	260	1,061	475	167	68
DF		22	5	83	111	5.621	14.84	14.62	39.4	149.2	16.41	576	2,181	1,050	368	140
DF		23	2	83	117	2.057	5.94	6.17	40.2	166.7	7.07	248	1,029	452	159	66
DF		24	6	87	109	5.668	17.81	12.28	51.8	237.7	18.12	636	2,919	1,160	407	187
DF		25	1	86	114	.871	2.97	.87	99.7	460.0	2.47	87	400	158	56	26
DF		26	1	83	112	.805	2.97	1.61	72.8	290.0	3.34	117	467	214	75	30
DF		27	1	86	137	.746	2.97	2.24	63.1	296.7	4.03	141	664	258	90	43
DF		28	2	87	146	1.388	5.94	4.16	72.0	346.7	8.55	300	1,444	547	192	92
DF		29	1	86	129	.647	2.97	1.94	70.7	326.7	3.91	137	634	250	88	41
DF		30	1	89	132	.605	2.97	1.81	77.9	390.0	4.03	141	707	258	90	45
DF		Totals	43	84	88	76.721	127.62	147.30	31.1	126.9	130.56	4,581	18,690	8,356	2,932	1,196
WH		10	2	81	19	12.722	6.94	12.72	5.6	20.0	2.28	71	254	146	46	16
WH		14	1	72	27	3.245	3.47	3.25	11.3	30.0	1.18	37	97	75	24	6
WH		18	2	93	103	3.927	6.94	7.85	36.2	147.5	9.10	284	1,158	582	182	74
WH		19	1	89	106	1.762	3.47	3.52	40.8	155.0	4.60	144	546	294	92	35
WH		20	3	92	107	4.771	10.41	9.54	45.3	198.3	13.84	433	1,892	886	277	121
WH		21	5	89	100	7.212	17.35	17.31	40.4	169.2	22.40	700	2,928	1,433	448	187
WH		22	1	88	115	1.314	3.47	3.94	40.7	180.0	5.14	160	710	329	103	45
WH		24	4	91	111	4.417	13.88	12.15	52.0	244.5	20.20	631	2,971	1,293	404	190
WH		25	4	89	105	4.071	13.88	9.16	63.6	273.3	18.64	583	2,504	1,193	373	160
WH		26	1	92	125	.941	3.47	2.82	62.5	326.7	5.65	176	922	361	113	59
WH		28	1	86	109	.811	3.47	1.62	88.7	390.0	4.61	144	633	295	92	41
WH		31	1	85	85	.662	3.47	1.32	93.8	380.0	3.98	124	503	254	80	32
WH		32	1	72	97	.621	3.47	1.24	73.7	265.0	2.93	92	329	187	59	21
WH		33	1	89	116	.584	3.47	1.75	93.8	466.7	5.26	164	818	337	105	52
WH		Totals	28	86	76	47.061	97.14	88.21	42.4	184.4	119.79	3,744	16,266	7,667	2,396	1,041
RA		18	1	88	79	1.617	2.86	3.23	28.6	100.0	2.54	92	323	162	59	21
RA		19	1	89	74	1.451	2.86	2.90	32.2	110.0	2.57	93	319	165	60	20
RA		Totals	2	88	77	3.068	5.71	6.14	30.3	104.7	5.11	186	643	327	119	41
Totals			73	85	84	126.850	230.48	241.65	35.2	147.3	255.47	8511	35,599	16,350	5,447	2,278

TC TLOGSTVB

Log Stock Table - MBF

Project: SSIDE

TT3N RR7W S31 T0100 **TT3N RR7W S31 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees		
T3N	R7W	31	423	0100	77.00	33	122	Page	1
								Date	5/29/2024
								Time	8:49:20AM

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	16	15		15	.7									15			
DF		CO	2	40	1,121		1,121	54.5						372	210	261	278			
DF		CO	3	19	9		9	.4							9					
DF		CO	3	22	6		6	.3					6							
DF		CO	3	29	2		2	.1			2									
DF		CO	3	36	5		5	.2			5									
DF		CO	3	40	644		644	31.3			84	199	225	52	57	27				
DF		CO	4	12	2		2	.1				1	1							
DF		CO	4	13	1		1	.0		1										
DF		CO	4	14	1		1	.0		1										
DF		CO	4	15	1		1	.0				1								
DF		CO	4	17	10		10	.5		10										
DF		CO	4	19	3		3	.2		2		1								
DF		CO	4	20	7		7	.3		6	1									
DF		CO	4	21	13		13	.6		13										
DF		CO	4	22	5		5	.3		5										
DF		CO	4	23	4		4	.2		2	2									
DF		CO	4	24	2		2	.1		2										
DF		CO	4	26	2		2	.1			2									
DF		CO	4	27	2		2	.1			2									
DF		CO	4	28	12		12	.6		10		2								
DF		CO	4	29	2		2	.1				2								
DF		CO	4	30	9		9	.4		5	4									
DF		CO	4	31	4		4	.2			2	2								
DF		CO	4	33	7		7	.3		7										
DF		CO	4	34	5		5	.2		2	3									
DF		CO	4	35	5		5	.3		5										
DF		CO	4	36	16		16	.8		16										
DF		CO	4	37	11		11	.6		11										
DF		CO	4	40	131		131	6.4		21	79	30								
DF		Totals			2,056		2,056	77.0		120	185	238	232	425	276	288	292			
WH		CO	2	40	295		295	55.4						56	149	72	18			
WH		CO	3	40	141		141	26.4			11	49	81							
WH		CO	4	16	5		5	.9		5										
WH		CO	4	19	1		1	.2		1										
WH		CO	4	20	2		2	.4		2										
WH		CO	4	22	7		7	1.4		7										
WH		CO	4	23	1		1	.2		1										
WH		CO	4	24	1		1	.3		1										
WH		CO	4	25	2		2	.3		2										
WH		CO	4	31	4		4	.8		2	2									
WH		CO	4	33	18		18	3.3		18										
WH		CO	4	40	56		56	10.5		4	38	14								
WH		Totals			533		533	20.0		44	50	63	81	56	149	72	18			
RA		H	4	15	9		9	10.5			9									
RA		H	4	32	21		21	26.3			21									
RA		H	4	34	18		18	21.7			18									
RA		H	4	35	18		18	21.7			18									
RA		H	4	40	16		16	19.7			4	12								

Net Volume by Scaling Diameter in Inches

TC TLOGSTVB

Log Stock Table - MBF

Project: SSIDE

TT3N RR7W S31 T0100 **TT3N RR7W S31 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
T3N	R7W	31	423	0100	77.00	33	122

Page 2
Date 5/29/2024
Time 8:49:20AM

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+
									Net Volume by Scaling Diameter in Inches											
RA				Totals	81		81	3.0			69	12								
Total All Species					2,671		2,671	100.0		164	305	313	313	481	425	360	311			

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: SSIDE

Page 1
Date 5/29/2024
Time 8:49:20AM

TT3N RR7W S31 T0100 **TT3N RR7W S31 T0100**

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
T3N	R7W	31	423	0100	77.00	33	122	S	W

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length								
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ln Ft	Dia In	Bd Ft	CF/ Lf	
DF		CO	2	55		14,749	14,749	1,136			61	39	1			99	40	15	343	1.88	43.0
DF		CO	3	32		8,653	8,653	666		78	22		1	1		97	39	9	125	0.86	69.2
DF		CO	4	13		3,301	3,301	254	47	53			10	20	9	62	30	6	40	0.43	82.9
DF	**Totals**			77		26,704	26,704	2,056	6	32	41	21	2	3	1	94	35	9	137	0.95	195.1
WH		CO	2	55		3,834	3,834	295			76	24				100	40	15	336	1.75	11.4
WH		CO	3	26		1,825	1,825	141		100						100	40	9	125	0.87	14.5
WH		CO	4	19		1,265	1,265	97	45	55			8	12	22	57	30	6	42	0.41	30.1
WH	**Totals**			20		6,925	6,925	533	8	36	42	13	2	2	4	92	35	8	123	0.86	56.1
RA		H	4	100		1,056	1,056	81		100			11		70	20	30	6	46	0.49	22.9
RA	**Totals**			3		1,056	1,056	81		100			11		70	20	30	6	46	0.49	22.9
Type Totals						34,684	34,684	2,671	6	35	40	19	2	3	4	91	35	9	127	0.90	274.1

TC TSTNDSUM

Stand Table Summary

Project **SSIDE**

TT3N RR7W S31 T0100 **TT3N RR7W S31 T0100**

Twp	**Rge**	**Sec**	**Tract**	**Type**	**Acres**	**Plots**	**Sample Trees**
T3N	**R7W**	**31**	**423**	**0100**	77.00	33	122

Page: 1
Date: 05/29/2024
Time: 8:49:21AM

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	69	42	4.958	2.19	4.96	6.1	20.0	.86	30	99	66	23	8
DF		11	1	83	93	3.319	2.19	3.32	17.1	60.0	1.62	57	199	125	44	15
DF		12	3	85	69	8.367	6.57	8.37	17.6	56.7	4.21	148	474	324	114	37
DF		13	4	82	75	9.506	8.76	14.26	15.9	48.3	6.47	227	689	498	175	53
DF		14	5	86	83	10.246	10.95	18.44	17.1	58.9	8.97	315	1,086	691	242	84
DF		15	3	83	73	5.355	6.57	7.14	23.5	70.0	4.79	168	500	369	129	38
DF		16	6	85	84	9.413	13.14	17.26	23.1	79.1	11.35	398	1,365	874	307	105
DF		17	6	87	112	8.338	13.14	18.07	28.3	114.6	14.57	511	2,071	1,122	394	159
DF		18	5	87	105	6.198	10.95	12.40	32.5	126.0	11.47	402	1,562	883	310	120
DF		19	6	88	107	6.675	13.14	15.58	31.0	122.1	13.74	482	1,902	1,058	371	146
DF		20	7	86	120	7.029	15.33	18.07	34.9	139.4	17.97	630	2,520	1,383	485	194
DF		21	7	87	98	6.375	15.33	12.75	41.6	153.6	15.11	530	1,958	1,164	408	151
DF		22	4	86	119	3.319	8.76	8.30	44.5	187.0	10.53	370	1,552	811	285	119
DF		23	1	83	89	.759	2.19	1.52	49.8	165.0	2.15	76	251	166	58	19
DF		24	4	87	132	2.789	8.76	8.37	48.0	215.0	11.46	402	1,799	882	310	139
DF		25	3	88	132	1.928	6.57	5.14	54.7	256.3	8.01	281	1,317	617	216	101
DF		26	2	86	150	1.188	4.38	3.56	64.0	311.7	6.51	228	1,111	501	176	86
DF		27	2	87	115	1.102	4.38	2.75	58.1	280.0	4.56	160	771	351	123	59
DF		28	3	89	137	1.537	6.57	4.10	76.9	382.5	8.98	315	1,568	691	243	121
DF		29	4	83	114	1.910	8.76	4.78	70.0	305.0	9.53	334	1,457	734	257	112
DF		30	1	86	112	.446	2.19	.89	94.0	440.0	2.39	84	393	184	65	30
DF		31	1	83	115	.418	2.19	1.25	71.5	306.7	2.56	90	385	197	69	30
DF		33	1	86	137	.369	2.19	1.11	96.3	470.0	3.04	107	520	234	82	40
DF		34	1	86	134	.347	2.19	1.04	98.4	470.0	2.92	103	490	225	79	38
DF		35	2	80	116	.656	4.38	1.64	95.9	406.0	4.48	157	666	345	121	51
DF		Totals	83	85	95	102.550	181.82	195.06	33.9	136.9	188.23	6,604	26,704	14,494	5,085	2,056
WH		9	1	83	64	3.528	1.56	3.53	9.5	40.0	1.08	34	141	83	26	11
WH		11	1	88	89	2.361	1.56	4.72	10.9	45.0	1.65	51	213	127	40	16
WH		12	3	85	85	5.953	4.68	9.92	14.6	52.0	4.65	145	516	358	112	40
WH		14	1	92	80	1.458	1.56	2.92	16.5	70.0	1.54	48	204	119	37	16
WH		15	1	85	98	1.270	1.56	2.54	23.4	95.0	1.90	59	241	146	46	19
WH		16	1	88	110	1.116	1.56	2.23	29.1	120.0	2.08	65	268	160	50	21
WH		17	2	85	92	1.977	3.12	3.95	28.7	107.5	3.64	114	425	280	87	33
WH		19	5	89	103	3.958	7.79	8.71	35.6	140.9	9.91	310	1,227	763	238	94
WH		20	3	90	112	2.143	4.68	5.00	40.9	180.0	6.54	205	900	504	157	69
WH		21	4	88	117	2.592	6.23	7.13	40.0	176.4	9.12	285	1,257	702	219	97
WH		22	1	85	104	.590	1.56	1.18	53.6	215.0	2.03	63	254	156	49	20
WH		25	3	87	106	1.372	4.68	2.74	62.7	268.3	5.51	172	736	424	132	57
WH		26	1	86	107	.423	1.56	.85	76.6	325.0	2.07	65	275	160	50	21
WH		29	1	92	97	.340	1.56	.68	89.9	395.0	1.95	61	268	150	47	21
WH		Totals	28	87	94	29.080	43.64	56.10	29.9	123.4	53.65	1,677	6,925	4,131	1,291	533
RA		10	2	77	56	11.112	6.06	11.11	8.3	35.0	2.54	93	389	196	71	30
RA		11	2	76	67	9.183	6.06	9.18	15.8	50.0	4.00	145	459	308	112	35
RA		18	1	90	53	1.715	3.03	1.71	38.5	90.0	1.82	66	154	140	51	12
RA		25	1	56	63	.889	3.03	.89	35.5	60.0	.87	32	53	67	24	4
RA		Totals	6	77	60	22.899	18.18	22.90	14.7	46.1	9.23	336	1,056	710	258	81
OC		15	1	82	61	.988	1.21									
OC		17	1	76	52	.769	1.21									
OC		18	1	84	74	.686	1.21									
OC		23	1	86	47	.420	1.21									

TC TSTNDSUM

Stand Table Summary

Project **SSIDE**

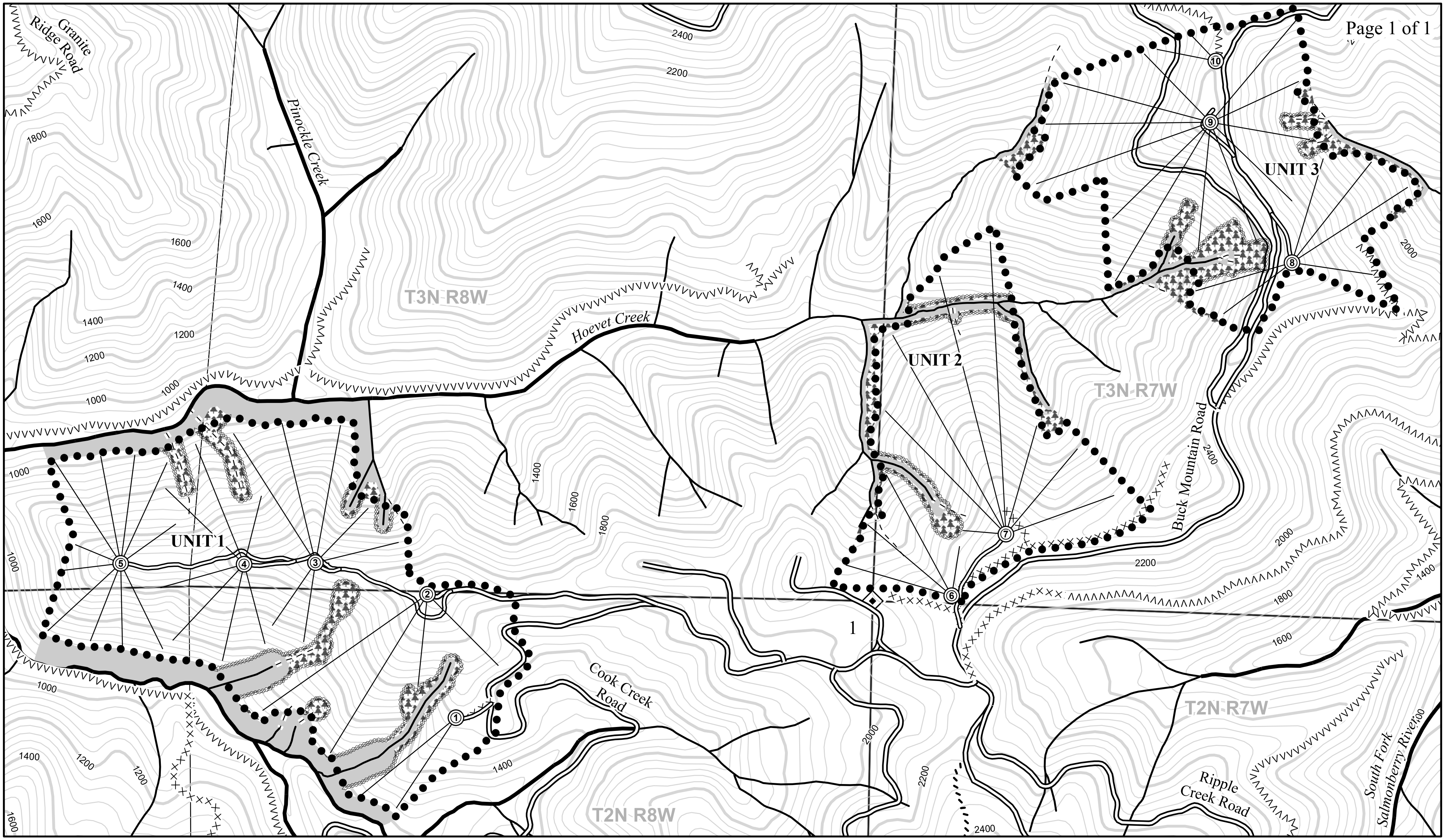
TT3N RR7W S31 T0100

TT3N RR7W S31 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees
T3N	R7W	31	423	0100	77.00	33	122

Page: 2
Date: 05/29/2024
Time: 8:49:21AM

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
OC		31	1	83	130	.231	1.21									
OC		Totals	5	82	65	3.094	6.06									
Totals			122	84	89	157.623	249.70	274.06	31.4	126.6	251.11	8617	34,684	19,335	6,635	2,671



- ◎ Landing To Be Constructed
- Cable Logging
- ● ● ● Timber Sale Boundary
- Riparian Boundary
- ▨ Riparian Buffer
- Green Tree Retention
- Type-F Stream
- Type-N Perennial Stream
- - - Type-N Seasonal Stream
- Surfaced Road
- ××× Blocked Road
- vvvv Abandoned Road
- Recreation Trail
- 200' Contour
- 40' Contour
- ☐ Sections
- ☐ Townships
- ◈ Corners

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2025-W01043-01
SOUTH SIDE
PORTIONS OF SECTIONS 35, 36 of T3N R8W,
AND SECTION 31 of T3N R7W,
AND SECTIONS 1, 2 of T2N R8W W.M.
TILLAMOOK COUNTY, OREGON

Tillamook District GIS
June 2024

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

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NET ACRES

	GROUND	CABLE	TOTAL
UNIT 1	0	116	116
UNIT 2	0	64	64
UNIT 3	0	77	77
TOTAL	0	257	257

1:12,000

1 inch = 1,000 feet

0 1,000 2,000 Feet