



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Kilchis Company Re-bid
Sale TL-341-2026-W00958-01

District: Tillamook

Date: February 20, 2026

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$393,343.13	\$7,542.73	\$400,885.86
		Project Work:	(\$286,340.00)
		Advertised Value:	\$114,545.86



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Timber Description

Location: Portions of Section 2 of T1N R9W W.M Tillamook County, Oregon

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	17	0	100
Western Hemlock / Fir	18	0	100
Sitka Spruce	27	0	100
Alder (Red)	15	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	351	819	0	1,170
Western Hemlock / Fir	83	28	0	111
Sitka Spruce	51	35	0	86
Alder (Red)	0	0	221	221
Total	485	882	221	1,588

Comments:

Additional Costs – KILCHIS COMPANY

Pond Values Used: January 2026

Region: Astoria, Forest Grove, and Tillamook

Western red cedar and other cedars stumpage price = \$1,310.00/MBF - \$491/MBF = \$819/MBF

Conifer Utility SC and PC = \$318.44/MBF x .5 = \$159.22/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 no profit and risk added:

TOTAL Other Costs with no profit and risk to be added = \$00.00

Other Costs with Profit and Risk Added:

Tailhold OR guybacks dozer move-in: \$1,000/machine x 4 machines = \$4,000

TOTAL Other Costs with Profit and Risk added = \$4000

ODF Road Maintenance

Spot Rocking: 20cy/MMBF/mile x 1.588MMBF x \$25/cy x 8 miles /1588MBF = \$4.00/MBF

Final Maintenance Grading: \$1,500/mile x 8 miles/ 1588 MBF = \$7.56/MBF

Final Maintenance Compaction: \$900/mile x 2 miles/1588 MBF = \$1.13/MBF

Total Road Maintenance: = \$12.69/MBF

Slash piling and sorting (Cable Settings): \$10/ac x 103 ac. = \$1030



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Logging Costs

Operating Seasons: 2.00	Profit Risk: 15%
Project Costs: \$286,340.00	Other Costs (P/R): \$4,000.00
Slash Disposal: \$1,030.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$12.69

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	4.0	4.0
Western Hemlock / Fir	\$0.00	3.0	3.6
Sitka Spruce	\$0.00	3.0	3.6
Alder (Red)	\$0.00	2.0	3.8



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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$228.89	\$12.69	\$5.53	\$78.12	\$2.52	\$49.16	\$0.65	\$2.00	\$0.00	\$379.56
Western Hemlock / Fir									
\$228.89	\$12.69	\$5.53	\$115.74	\$2.52	\$54.81	\$0.65	\$2.00	\$0.00	\$422.83
Sitka Spruce									
\$228.89	\$12.69	\$5.53	\$115.74	\$2.52	\$54.81	\$0.65	\$2.00	\$0.00	\$422.83
Alder (Red)									
\$228.89	\$12.69	\$5.53	\$164.47	\$2.52	\$62.12	\$0.65	\$2.00	\$0.00	\$478.87

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$698.00	\$318.44	\$0.00
Western Hemlock / Fir	\$0.00	\$536.22	\$113.39	\$0.00
Sitka Spruce	\$0.00	\$517.97	\$95.14	\$0.00
Alder (Red)	\$0.00	\$513.00	\$34.13	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,170	\$318.44	\$372,574.80
Western Hemlock / Fir	111	\$113.39	\$12,586.29
Sitka Spruce	86	\$95.14	\$8,182.04
Alder (Red)	221	\$34.13	\$7,542.73

Gross Timber Sale Value

Recovery: \$400,885.86

Prepared By: Nick Stumpf

Phone: 503-815-7026



PROJECT SUMMARY SHEET

Sale: Kilchis Company

IMPROVEMENT

Point	A to B	110+70	stations =	\$110,986.03
Point	C to D	25+95	stations =	\$2,698.81
Point	E to F	9+30	stations =	\$6,064.84
Point	G to H	27+00	stations =	\$4,295.25
Point	EE to FF	602+10	stations =	\$151,426.25
Point	GG to HH	1+40	stations =	\$894.00
SUBTOTAL IMPROVEMENT				\$276,365.18

SPECIAL PROJECTS

Brush 6.7 miles of road \$5,963.00

SUBTOTAL SPECIAL PROJECTS \$5,963.00

MOVE IN

\$4,011.82

GRAND TOTAL **\$286,340.00**

SUMMARY OF CONSTRUCTION COST

Sale: **Kilchis Company**

Road: **C to D**

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>25+95</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.00	miles		0.49	miles		0.00	miles

CULVERTS - MATERIALS & INSTALLATION

<u>Culverts</u>	30	LF of 18"	\$757.50
			\$757.50
<u>Culvert Stakes & Markers</u>			
	1	markers	\$9.00

TOTAL CULVERTS **\$766.50**

ROCK

Culvert Backfill/bedding	1+00	20	cy. of	Crushed	@	\$38.03	per c.y.=	\$760.60
Energy Dissipator	1+00	5	cy. of	Rip rap	@	\$13.91	per c.y.=	\$69.55
Spot Rock	As Directed	30	cy. of	Crushed	@	\$24.83	per c.y.=	\$744.90
								TOTAL ROCK \$1,575.05

SPECIAL PROJECTS

Ditch - Endhaul	1.00	stations @	\$145.00	per station	\$145.00
Clean culvert	1.00	@	\$25.00	each	\$25.00
Grade and shape road -	6.65	stations @	\$24.40	per station	\$162.26
Clean culverts	1.00	@	\$25.00	each	\$25.00
					TOTAL SPECIAL PROJECTS \$357.26

GRAND TOTAL **\$2,698.81**

SUMMARY OF CONSTRUCTION COST

Sale: **Kilchis Company**

Road: **E to F**

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>9+30</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.00	miles		0.18	miles		0.00	miles

ROCK

Spot Rock	As Directed	10	cy. of	Crushed	@	\$25.15	per c.y.=	\$251.50	
Landing Rock	As Directed	150	cy. of	Jawrun	@	\$25.24	per c.y.=	\$3,786.00	
								TOTAL ROCK	\$4,037.50

SPECIAL PROJECTS

Construct Landing 2+30	4.00	hours @	\$405.00	per hour	\$1,620.00	
Grade and shape road -	9.30	stations @	\$24.40	per station	\$226.92	
Roll subgrade	9.30	stations @	\$19.40	per station	\$180.42	
					TOTAL SPECIAL PROJECTS	\$2,027.34

GRAND TOTAL **\$6,064.84**

SUMMARY OF CONSTRUCTION COST

Sale: **Kilchis Company**

Road: **G to H**

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>27+00</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.00	miles		0.51	miles		0.00	miles

ROCK

Spot Rock	As Directed	50	cy. of	Crushed	@	\$24.64 per c.y.=	\$1,232.00	TOTAL ROCK	\$1,232.00
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SPECIAL PROJECTS

Remove Ravel @ 9+25	0.25	hours @	\$485.00	per hour	\$121.25
Reestablish road prism @ 15+40	6.00	hours @	\$220.00	per hour	\$1,320.00
Construct waste areas -	4.00	hours @	\$220.00	per hour	\$880.00
Grade and shape road -	5.00	stations @	\$24.40	per station	\$122.00
Grass seed -	2.00	acres @	\$310.00	per acre	\$620.00
			TOTAL SPECIAL PROJECTS		\$3,063.25

GRAND TOTAL **\$4,295.25**

SUMMARY OF CONSTRUCTION COST

Sale: **Kilchis Company**

Road: **EE to FF**

<u>Construction -</u>	0+00	stations	<u>Improvement -</u>	602+10	stations	<u>Reconstruction -</u>	0+00	stations
	0.00	miles		11.40	miles		0.00	miles

IMPROVEMENT: CLEARING AND GRUBBING -

Side cast	0.109	acres @	\$955.00	per acre =	\$104.10
Widening	0.182	acres @	\$955.00	per acre =	\$173.81
TOTAL CLEARING AND GRUBBING					\$277.91

IMPROVEMENT: EXCAVATION -

Pullback	606	cy. @	\$2.20	per c.y. =	\$1,333.20
Widening	658	cy. @	\$2.20	per c.y. =	\$1,447.60
TOTAL EXCAVATION					\$2,780.80

IMPROVEMENT: ENDHAUL -

Pullback	162+30	to	162+70	35	cy. @	\$1.67	per c.y. =	\$58.45
Pullback	172+15	to	172+50	21	cy. @	\$1.86	per c.y. =	\$39.06
Pullback	193+35	to	194+05	101	cy. @	\$1.44	per c.y. =	\$145.44
Pullback	207+40	to	207+75	14	cy. @	\$3.25	per c.y. =	\$45.50
Pullback	307+50	to	307+95	49	cy. @	\$1.88	per c.y. =	\$92.12
Pullback	308+75	to	309+05	44	cy. @	\$1.84	per c.y. =	\$80.96
Pullback	314+20	to	314+50	26	cy. @	\$1.64	per c.y. =	\$42.64
Rock Buttress	339+90	to	340+25	14	cy. @	\$2.62	per c.y. =	\$36.68
Rock Buttress	356+80	to	357+15	203	cy. @	\$2.60	per c.y. =	\$527.80
Rock Buttress	401+40	to	402+25	99	cy. @	\$3.22	per c.y. =	\$318.78
Pullback	439+75	to	440+40	57	cy. @	\$1.68	per c.y. =	\$95.76
Pullback	494+40	to	494+75	10	cy. @	\$1.21	per c.y. =	\$12.10
Rock Buttress	508+70	to	509+00	26	cy. @	\$1.49	per c.y. =	\$38.74
Pullback	574+90	to	575+40	16	cy. @	\$2.13	per c.y. =	\$34.08
Widening	161+70	to	163+55	94	cy. @	\$1.67	per c.y. =	\$156.98
Widening	192+75	to	194+65	69	cy. @	\$1.44	per c.y. =	\$99.36
Widening	206+75	to	208+00	64	cy. @	\$3.25	per c.y. =	\$208.00
Widening	308+55	to	310+25	82	cy. @	\$1.82	per c.y. =	\$149.24
Widening	314+00	to	315+55	150	cy. @	\$1.63	per c.y. =	\$244.50
Widening	574+60	to	575+70	199	cy. @	\$2.98	per c.y. =	\$593.02
Spread & compact				1373	cy. @	\$0.55	per c.y. =	\$755.15
TOTAL ENDHAUL								\$3,774.36

CULVERTS - MATERIALS & INSTALLATION

Culverts

740	LF of 18"	\$17,927.50	130	LF of 24"	\$4,972.50
30	LF of 30"	\$1,500.00	40	LF of 36"	\$2,121.62
			40	LF of 48"	\$3,955.20
\$19,427.50			\$11,049.32		

Culvert Stakes & Markers

38 markers \$342.00

TOTAL CULVERTS \$30,818.82

ROCK

Culvert Backfill/bedding	21+30	30	cy. of	Crushed	@	\$30.79	per c.y. =	\$923.70
Energy Dissipator	21+30	5	cy. of	Rip Rap	@	\$23.97	per c.y. =	\$119.85
Energy Dissipator	43+00	5	cy. of	Rip Rap	@	\$23.51	per c.y. =	\$117.55
Energy Dissipator	45+25	5	cy. of	Rip Rap	@	\$23.46	per c.y. =	\$117.30
Culvert Backfill/bedding	66+60	10	cy. of	Crushed	@	\$29.83	per c.y. =	\$298.30
Culvert Backfill/bedding(30'	60+10 to 354+55	480	cy. of	Crushed	@	\$31.37	per c.y. =	\$15,057.60
Energy Dissipator(5yd each	60+10 to 354+55	80	cy. of	Rip Rap	@	\$20.03	per c.y. =	\$1,602.40
Culvert Removal	162+05	35	cy. of	Crushed	@	\$27.81	per c.y. =	\$973.35
Road Widening	161+70	10	cy. of	Jawrun	@	\$29.67	per c.y. =	\$296.70
Road Widening	161+70	5	cy. of	Crushed	@	\$29.67	per c.y. =	\$148.35
Energy Dissipator	168+20	5	cy. of	Rip Rap	@	\$20.77	per c.y. =	\$103.85
Fill Armor	172+50	20	cy. of	Rip Rap	@	\$20.32	per c.y. =	\$406.40
Road Widening	192+75	15	cy. of	Jawrun	@	\$27.16	per c.y. =	\$407.40
Road Widening	192+75	10	cy. of	Crushed	@	\$29.01	per c.y. =	\$290.10
Road Widening	206+75	15	cy. of	Jawrun	@	\$28.72	per c.y. =	\$430.80
Road Widening	206+75	10	cy. of	Crushed	@	\$28.72	per c.y. =	\$287.20
Buttress & Energy Dissipatc	241+45	70	cy. of	Rip Rap	@	\$19.12	per c.y. =	\$1,338.40
Energy Dissipator	250+35	5	cy. of	Rip Rap	@	\$18.65	per c.y. =	\$93.25
Energy Dissipator	272+55	5	cy. of	Rip Rap	@	\$17.88	per c.y. =	\$89.40
Road Widening	308+55	15	cy. of	Jawrun	@	\$26.56	per c.y. =	\$398.40
Road Widening	308+55	10	cy. of	Crushed	@	\$26.56	per c.y. =	\$265.60
Road Widening	314+00	15	cy. of	Jawrun	@	\$26.45	per c.y. =	\$396.75
Road Widening	314+00	10	cy. of	Crushed	@	\$26.45	per c.y. =	\$264.50
Culvert Removal	314+20	25	cy. of	Crushed	@	\$24.59	per c.y. =	\$614.75
Energy Dissipator	319+75	20	cy. of	Rip Rap	@	\$17.65	per c.y. =	\$353.00
Backfill	319+75	60	cy. of	Jawrun	@	\$24.47	per c.y. =	\$1,468.20
Bedding/Backfill	319+75	60	cy. of	Crushed	@	\$26.32	per c.y. =	\$1,579.20
Rock Buttress	339+90	20	cy. of	Rip Rap	@	\$16.50	per c.y. =	\$330.00
Rock Buttress	339+90	20	cy. of	Crushed	@	\$25.90	per c.y. =	\$518.00
Rock Buttress	356+80	190	cy. of	Rip Rap	@	\$15.92	per c.y. =	\$3,024.80
Rock Buttress	356+80	30	cy. of	Crushed	@	\$25.54	per c.y. =	\$766.20
Energy Dissipator	374+05	10	cy. of	Rip Rap	@	\$15.11	per c.y. =	\$151.10
Rock Buttress	401+40	115	cy. of	Rip Rap	@	\$15.11	per c.y. =	\$1,737.65

Rock Buttress	401+40	20	cy. of	Crushed	@	\$24.60 per c.y.=	\$492.00	
Energy Dissipator	409+80	5	cy. of	Rip Rap	@	\$14.01 per c.y.=	\$70.05	
Energy Dissipator	480+30	10	cy. of	Rip Rap	@	\$13.95 per c.y.=	\$139.50	
Energy Dissipator	491+70	5	cy. of	Rip Rap	@	\$13.95 per c.y.=	\$69.75	
Rock Buttress	508+70	40	cy. of	Rip Rap	@	\$13.65 per c.y.=	\$546.00	
Rock Buttress	508+70	20	cy. of	Crushed	@	\$24.55 per c.y.=	\$491.00	
Backfill	510+55	260	cy. of	Jawrun	@	\$22.74 per c.y.=	\$5,912.40	
Bedding/Backfill	510+55	60	cy. of	Crushed	@	\$22.74 per c.y.=	\$1,364.40	
Energy Dissipator	550+40	20	cy. of	Rip Rap	@	\$12.50 per c.y.=	\$250.00	
Energy Dissipator	554+25	10	cy. of	Rip Rap	@	\$13.54 per c.y.=	\$135.40	
Energy Dissipator	558+60	10	cy. of	Rip Rap	@	\$13.54 per c.y.=	\$135.40	
Buttress/Energy Dissipator	571+60	40	cy. of	Rip Rap	@	\$12.77 per c.y.=	\$510.80	
Road Widening	574+60	10	cy. of	Jawrun	@	\$25.94 per c.y.=	\$259.40	
Road Widening	574+60	5	cy. of	Crushed	@	\$25.94 per c.y.=	\$129.70	
Energy Dissipator	596+05	5	cy. of	Rip Rap	@	\$12.32 per c.y.=	\$61.60	
Culvert Backfill/bedding(20	354+55 to 602+10	260	cy. of	Crushed	@	\$26.00 per c.y.=	\$6,760.00	
Energy Dissipator(5yd each	354+55 to 602+10	65	cy. of	Rip Rap	@	\$12.24 per c.y.=	\$795.60	
Turnout Hardening	As directed	120	cy. of	Jawrun	@	\$24.51 per c.y.=	\$2,941.20	
Waste Area Approaches	527+50	60	cy. of	Jawrun	@	\$24.95 per c.y.=	\$1,497.00	
Spot Rock	As directed	300	cy. of	Crushed	@	\$24.51 per c.y.=	\$7,353.00	
							TOTAL ROCK	\$64,884.25

SPECIAL PROJECTS

Culvert relay 164+40	1.00	hours @	\$220.00	per hour	\$220.00	
Construct Catchbasins -	22.00	@	\$60.00	each	\$1,320.00	
Construct waste areas -	4.00	hours @	\$220.00	per hour	\$880.00	
Construct ditchouts -	9.00	@	\$60.00	each	\$540.00	
Clear stockpile site @ 598+40	1.00	hours @	\$220.00	per hour	\$220.00	
Ditch - No Endhaul	76.65	stations @	\$90.00	per station	\$6,898.50	
Ditch - Endhaul	80.90	stations @	\$145.00	per station	\$11,730.50	
Clean Culverts -	10.00	@	\$30.00	each	\$300.00	
Grade and shape road -	602.10	stations @	\$24.40	per station	\$14,691.24	
Sluff & Culvert waste endhaul	8.00	hours @	\$385.00	per hour	\$3,080.00	
Rock Hammering	8.00	@	\$275.00	each	\$2,200.00	
Dig through berm	0.50	@	\$405.00	each	\$202.50	
Roll subgrade w/ vibratory roller prior to rocking(354+35 to 472+90) -	118.55	stations @	\$19.40	per station	\$2,299.87	
Remove flume 357+00	1.00	@	\$130.00	each	\$130.00	
Remove culverts from state lands	10.00	@	\$897.50	total	\$897.50	
Grass seed -	5.00	acres @	\$310.00	per acre	\$1,550.00	
Mulching -	2.000	acres @	\$865.00	per acre	\$1,730.00	
					TOTAL SPECIAL PROJECTS	\$48,890.11
					GRAND TOTAL	\$151,426.25

SUMMARY OF CONSTRUCTION COST

Sale: **Kilchis Company**

Road: **GG to HH**

<u>Construction -</u>	<u>0+00</u>	stations	<u>Improvement -</u>	<u>1+40</u>	stations	<u>Reconstruction -</u>	<u>0+00</u>	stations
	0.00	miles		0.03	miles		0.00	miles

SPECIAL PROJECTS

Fill in and rebuild tank trap	0.50	hours @	\$220.00	per hour	\$110.00
Clean road	1.00	hours @	\$220.00	per hour	\$220.00
Construct waste areas -	2.00	hours @	\$220.00	per hour	\$440.00
Grass seed -	0.40	acres @	\$310.00	per acre	\$124.00
				TOTAL SPECIAL PROJECTS	\$894.00
GRAND TOTAL					\$894.00

SAWTOOTH PIT DEVELOPMENT AND CRUSHING COST SUMMARY

Pit:	Sawtooth Pit	Location:	Sec. 26 , T2N, R9W, W.M.
Sale:	Kilchis Company	Road:	820 c.y.
Swell:	1.40	Stockpile:	c.y.
Shrinkage	1.16	Total Truck Loads:	820 c.y.
Drill Pct.:	0%	In Place Total:	586 c.y.

Pit Development & Cleanup including Clearing and grubbing of Waste Area @ adjacent to pit, place overburden in Waste Area, spread and compact.				\$3,080.00
Sort Rip Rap	\$1.20 /cu.yd.	x	820 cu.yds.	= \$984.00
Load Dump Truck:	\$1.20 /cu.yd.	x	820 cu.yds.	= \$984.00
			Subtotal	\$5,048.00

Move in Roller and Compactor	1	@	\$454.60	= \$454.60
Move in D-8	1	@	\$615.74	= \$615.74
Move in Loader	1	@	\$480.14	= \$480.14
Move in Excavator	1	@	\$595.14	= \$595.14
Move in Trucks	4	@	\$181.90	= \$727.60
			Subtotal	\$2,873.22

Base Cost=	\$9.66	Per Cu.Yd.	TOTAL PRODUCTION COSTS	\$7,921.22
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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 Energy Dissipator (Rip rap)	4.89	1.20	9.66	15.75	20	\$315.00	
A to B Energy Dissipator (Rip rap)	4.93	1.20	9.66	15.79	5	\$78.95	
A to B Energy Dissipator (Rip rap)	5.01	1.20	9.66	15.87	5	\$79.35	
A to B Energy Dissipator (Rip rap)	5.08	1.20	9.66	15.94	5	\$79.70	
A to B Energy Dissipator (Rip rap)	5.14	1.20	9.66	16.00	5	\$80.00	
A to B Energy Dissipator (Rip rap)	5.24	1.20	9.66	16.10	5	\$80.50	
A to B Energy Dissipator (Rip rap)	5.41	1.20	9.66	16.27	5	\$81.35	
C to D Energy Dissipator (Rip rap)	3.05	1.20	9.66	13.91	5	\$69.55	
EE to FF Energy Dissipator (Rip Rap)	13.11	1.20	9.66	23.97	5	\$119.85	
EE to FF Energy Dissipator (Rip Rap)	12.65	1.20	9.66	23.51	5	\$117.55	
EE to FF Energy Dissipator (Rip Rap)	12.60	1.20	9.66	23.46	5	\$117.30	
EE to FF Energy Dissipator(5yd each) (Ri	9.17	1.20	9.66	20.03	80	\$1,602.40	
EE to FF Energy Dissipator (Rip Rap)	9.91	1.20	9.66	20.77	5	\$103.85	
EE to FF Fill Armor (Rip Rap)	9.46	1.20	9.66	20.32	20	\$406.40	
EE to FF Buttress & Energy Dissipator (R	8.26	1.20	9.66	19.12	70	\$1,338.40	
EE to FF Energy Dissipator (Rip Rap)	7.79	1.20	9.66	18.65	5	\$93.25	
EE to FF Energy Dissipator (Rip Rap)	7.02	1.20	9.66	17.88	5	\$89.40	
EE to FF Energy Dissipator (Rip Rap)	6.79	1.20	9.66	17.65	20	\$353.00	
EE to FF Rock Buttress (Rip Rap)	5.64	1.20	9.66	16.50	20	\$330.00	
EE to FF Rock Buttress (Rip Rap)	5.06	1.20	9.66	15.92	190	\$3,024.80	
EE to FF Energy Dissipator (Rip Rap)	4.25	1.20	9.66	15.11	10	\$151.10	
EE to FF Rock Buttress (Rip Rap)	4.25	1.20	9.66	15.11	115	\$1,737.65	
EE to FF Energy Dissipator (Rip Rap)	3.15	1.20	9.66	14.01	5	\$70.05	
EE to FF Energy Dissipator (Rip Rap)	3.09	1.20	9.66	13.95	10	\$139.50	
EE to FF Energy Dissipator (Rip Rap)	3.09	1.20	9.66	13.95	5	\$69.75	
EE to FF Rock Buttress (Rip Rap)	2.79	1.20	9.66	13.65	40	\$546.00	
EE to FF Energy Dissipator (Rip Rap)	1.64	1.20	9.66	12.50	20	\$250.00	
EE to FF Energy Dissipator (Rip Rap)	2.68	1.20	9.66	13.54	10	\$135.40	
EE to FF Energy Dissipator (Rip Rap)	2.68	1.20	9.66	13.54	10	\$135.40	
EE to FF Buttress/Energy Dissipator (Rip	1.91	1.20	9.66	12.77	40	\$510.80	
EE to FF Energy Dissipator (Rip Rap)	1.46	1.20	9.66	12.32	5	\$61.60	
EE to FF Energy Dissipator(5yd each) (Ri	1.38	1.20	9.66	12.24	65	\$795.60	
				Total C.Y.	820	Sub Total	\$13,163.45

TOTAL ROCKING COSTS	\$13,163.45
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ROCK COST SUMMARY

Pit:	Commercial Rock	Location:	Varies
Sale:	Kilchis Company	Road:	3685 c.y.
Swell:	1.40	Stockpile:	c.y.
Shrinkage	1.16	Total Truck Loads:	3685 c.y.
Drill Pct.:	0%	In Place Total:	2632 c.y.

Purchase 1 1/2"-0" Crushed rock	\$18.50 /cu.yd.	x	2295 cu.yds.	=	\$42,457.50
Purchase 4"-0" Jawrun	\$15.50 /cu.yd.	x	1390 cu.yds.	=	\$21,545.00
Load Dump Truck	\$1.25 /cu.yd.	x	3685 cu.yds.	=	\$4,606.25

Subtotal \$68,608.75

Base Cost= \$18.62 Per Cu.Yd.

TOTAL PRODUCTION COSTS \$68,608.75

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 670 3010 (Crushed)	1.97	3.20	18.62	23.79	410	\$9,753.90	
A to B Spot / Leveling Rock (Crushed)	2.44	1.50	18.62	22.56	300	\$6,768.00	
A to B Spot Rock (Jawrun)	1.47	3.55	18.62	23.64	20	\$472.80	
A to B Widening (Jawrun)	1.74	3.55	18.62	23.91	20	\$478.20	
A to B Widening (Crushed)	1.74	1.70	18.62	22.06	5	\$110.30	
A to B Widening (Jawrun)	1.82	3.55	18.62	23.99	10	\$239.90	
A to B Widening (Crushed)	1.82	1.70	18.62	22.14	5	\$110.70	
A to B Culvert Backfill/bedding (Crushed)	2.44	1.70	18.62	22.76	20	\$455.20	
A to B Culvert Backfill/bedding (Crushed)	2.50	1.70	18.62	22.82	20	\$456.40	
A to B Culvert Backfill/bedding (Crushed)	2.77	1.70	18.62	23.09	20	\$461.80	
A to B Widening (Jawrun)	2.80	3.55	18.62	24.97	10	\$249.70	
A to B Widening (Crushed)	2.80	3.55	18.62	24.97	5	\$124.85	
A to B Landing Rock (Jawrun)	2.94	3.55	18.62	25.11	280	\$7,030.80	
A to B Turnaround (Jawrun)	3.03	3.55	18.62	25.20	40	\$1,008.00	
A to B Landing Rock (Jawrun)	3.12	3.55	18.62	25.29	280	\$7,081.20	
C to D Culvert Backfill/bedding (Crushed)	2.41	17.00	18.62	38.03	20	\$760.60	
C to D Spot Rock (Crushed)	2.66	3.55	18.62	24.83	30	\$744.90	
E to F Spot Rock (Crushed)	2.98	3.55	18.62	25.15	10	\$251.50	
E to F Landing Rock (Jawrun)	3.07	3.55	18.62	25.24	150	\$3,786.00	
G to H Spot Rock (Crushed)	2.47	3.55	18.62	24.64	50	\$1,232.00	
EE to FF Culvert Backfill/bedding (Crushe	10.47	1.70	18.62	30.79	30	\$923.70	
EE to FF Culvert Backfill/bedding (Crushe	9.51	1.70	18.62	29.83	10	\$298.30	
EE to FF Culvert Backfill/bedding(30yd ear	11.05	1.70	18.62	31.37	480	\$15,057.60	
EE to FF Culvert Removal (Crushed)	7.49	1.70	18.62	27.81	35	\$973.35	
EE to FF Road Widening (Jawrun)	7.50	3.55	18.62	29.67	10	\$296.70	
EE to FF Road Widening (Crushed)	7.50	3.55	18.62	29.67	5	\$148.35	
EE to FF Road Widening (Jawrun)	6.84	1.70	18.62	27.16	15	\$407.40	
EE to FF Road Widening (Crushed)	6.84	3.55	18.62	29.01	10	\$290.10	
EE to FF Road Widening (Jawrun)	6.55	3.55	18.62	28.72	15	\$430.80	
EE to FF Road Widening (Crushed)	6.55	3.55	18.62	28.72	10	\$287.20	
EE to FF Road Widening (Jawrun)	4.39	3.55	18.62	26.56	15	\$398.40	
EE to FF Road Widening (Crushed)	4.39	3.55	18.62	26.56	10	\$265.60	
EE to FF Road Widening (Jawrun)	4.28	3.55	18.62	26.45	15	\$396.75	
EE to FF Road Widening (Crushed)	4.28	3.55	18.62	26.45	10	\$264.50	
EE to FF Culvert Removal (Crushed)	4.27	1.70	18.62	24.59	25	\$614.75	
EE to FF Backfill (Jawrun)	4.15	1.70	18.62	24.47	60	\$1,468.20	
EE to FF Bedding/Backfill (Crushed)	4.15	3.55	18.62	26.32	60	\$1,579.20	
EE to FF Rock Buttress (Crushed)	3.73	3.55	18.62	25.90	20	\$518.00	
EE to FF Rock Buttress (Crushed)	3.37	3.55	18.62	25.54	30	\$766.20	
EE to FF Rock Buttress (Crushed)	2.43	3.55	18.62	24.60	20	\$492.00	
EE to FF Rock Buttress (Crushed)	2.38	3.55	18.62	24.55	20	\$491.00	
EE to FF Backfill (Jawrun)	2.42	1.70	18.62	22.74	260	\$5,912.40	
EE to FF Bedding/Backfill (Crushed)	2.42	1.70	18.62	22.74	60	\$1,364.40	
EE to FF Road Widening (Jawrun)	3.77	3.55	18.62	25.94	10	\$259.40	
EE to FF Road Widening (Crushed)	3.77	3.55	18.62	25.94	5	\$129.70	
EE to FF Culvert Backfill/bedding(20yd ear	5.68	1.70	18.62	26.00	260	\$6,760.00	
EE to FF Turnout Hardening (Jawrun)	2.34	3.55	18.62	24.51	120	\$2,941.20	
EE to FF Waste Area Approaches (Jawrun)	2.78	3.55	18.62	24.95	60	\$1,497.00	
EE to FF Spot Rock (Crushed)	2.34	3.55	18.62	24.51	300	\$7,353.00	
Truck & trailer to stockpile	11.21	0.00	0.00	11.21	2915	\$32,677.15	
Total C.Y.					3685	Sub Total	\$126,839.10

TOTAL ROCKING COSTS \$126,839.10

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

Sale: **Kilchis Company**

LOWBOY HAUL (Round Trip)		
DIST. (mi)	ROADWAY	AVE SPEED (mph)
10.3	Pavement	30
11.0	Main Lines	7
0.0	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	\$402.10		\$4.00	0.00	12.50	12.5	\$50.00	\$452.10
1	Graders	\$516.99		\$3.65	0.00	8.25	8.25	\$30.11	\$547.10
1	Excavators (Large)	\$595.14	1	\$44.80	0.00	8.25	8.25	\$369.60	\$964.74
1	Tractors (D6)	\$567.85	2	\$7.10	0.00	8.25	8.25	\$58.58	\$626.43
2	Dump Truck (Off Hiway)	\$1,133.90	1	\$4.75	0.00	8.25	8.25	\$78.38	\$1,212.28
1	Water Truck (1500 Gal)	\$181.90		\$2.85	0.00	8.25	8.25	\$23.51	\$209.17
TOTAL MOVE-IN COSTS:								\$4,011.82	



OREGON DEPARTMENT OF FORESTRY CRUISE REPORT Kilchis Company

Type of Sale

Regeneration harvest, Recovery

Legal Description

Section 2 of T1N R9W W.M

Sale Acreage

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

	<u>ACRES</u>	
	<u>Gross</u>	<u>Net</u>
Unit 1 Clearcut	145	103
Total	145	103

Gross Acres

Area within the Timber Sale Boundary signs

Net acres

Used for calculating the advertised volume.

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

Cruising Procedures

A. Cruise Method

The timber sale was cruised using variable plot sampling. All conifers 8" DBH and greater containing 20 board feet and all hardwoods 10" DBH and greater containing 30 board feet were recorded on all plots. Species, DBH (to nearest inch), merchantable bole length (to nearest foot), form factor, and defect were recorded for all measure trees. Merchantable heights were recorded to 6" and 7" outside bark for conifers and hardwoods, respectively.

B. Plot size

Unit	BAF	Spacing
1	40.00	500' x 500'

C. Grading System

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

Computation Procedure

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

Net sale acreage was used for volume calculation.

	Cruise Statistics (Board Foot Volumes)
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Unit	Acres	Number of Plots	SE (%)	CV (%)
1	103	19	12.7	54.1

Hidden Defect and Breakage

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

Timber Description

Unit 1 is a clearcut of mixed Douglas-fir, western hemlock and red alder with several other minor species. Big leaf maple is the only reserve species outside of Green Tree Reserve Area. The Unit was burnt from the Tillamook Burn in 1933 the unit was seeded 1965.

Sale Unit	Age	Species	DBH	Merchantable Bole Height (feet)
1	53	Douglas-fir	16.7	60
		Red Alder	14.8	32
		Sitka Spruce	26.8	45
		Western Hemlock	17.9	43

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

Cruiser /Dates

ODF Staff Cruised; October - November 2024.

Revenue Distribution

BOF – 100%

Tax Code: 5600 (100%)

Deed Numbers: 15, 161

Attachments

Volume Summary Table

Stand Table

Log Stock Table

Species, Sort, Grade Table

Logging Plan

Stand and Log Stock Tables Species Key

DF - Douglas-fir

RA - Red alder

SS - Sitka spruce

WH - Western Hemlock

BM – Big Leaf Maple LEAVE

TC		TLOGSTVB		Log Stock Table - MBF																
Project:										KWIT										
T01N R09W S02 T0100										T01N R09W S02 T0100										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
01N	09W	02	UNIT 1	0100	103.00	19	63	Date	12/17/2024											
									Time	10:56:43AM										
Spp	T	So	Gr	Log	Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches										
										2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39
DF		CO	2	40		365	1.1	361	30.5				121	100	53	39	47			
DF		CO	3	16		3		3	.2				3							
DF		CO	3	40		665	.7	660	55.8		168	51	351	24	34	32				
DF		CO	4	12		3		3	.2		3									
DF		CO	4	14		2		2	.2		2									
DF		CO	4	15		21		21	1.8		21									
DF		CO	4	16		9		9	.8		9									
DF		CO	4	18		9		9	.8			9								
DF		CO	4	19		8		8	.7		8									
DF		CO	4	20		3		3	.2		3									
DF		CO	4	22		4		4	.3		4									
DF		CO	4	24		7		7	.6		7									
DF		CO	4	25		4		4	.3		4									
DF		CO	4	26		5		5	.4		5									
DF		CO	4	28		11		11	1.0		11									
DF		CO	4	30		6		6	.5		6									
DF		CO	4	32		10		10	.9		10									
DF		CO	4	33		12		12	1.0		6	5								
DF		CO	4	36		6		6	.5		6									
DF		CO	4	38		15		15	1.3		15									
DF		CO	4	40		13		13	1.1		13									
DF		CO	4	41		11		11	.9		11									
DF		Totals				1,191		1,182	73.2		123	189	57	363	144	135	85	39	47	
RA		H	3	40		24		24	10.7				24							
RA		H	4	16		9		9	4.0		9									
RA		H	4	17		13		13	5.7		13									
RA		H	4	21		4		4	1.8		4									
RA		H	4	22		7	33.3	4	2.0		4									
RA		H	4	27		3		3	1.5		3									
RA		H	4	31		13		13	5.8		13									
RA		H	4	34		35		35	15.8		35									
RA		H	4	36		22		22	10.2		22									
RA		H	4	39		21		21	9.5		21									
RA		H	4	40		76	3.3	73	33.1		47	26								
RA		Totals				225	2.1	221	13.7		171	26	24							
SS		CO	2	40		51		51	58.7						51					
SS		CO	3	40		30		30	34.4						30					
SS		CO	4	21		6		6	6.9		6									
SS		Totals				87		87	5.4		6				81					
WH		CO	2	40		91	7.4	84	79.9				52			32				
WH		CO	3	40		6		6	5.9		6									
WH		CO	4	16		7		7	6.6		7									
WH		CO	4	30		3		3	2.9		3									
WH		CO	4	33		5		5	4.7		5									
WH		Totals				112	6.0	105	6.5		15	6	52			32				
BM		H	2	40		18		18	87.0				18							

TC TLOGSTVB

Log Stock Table - MBF

Project: KWIT

T01N R09W S02 T0100

T01N R09W S02 T0100

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	2
01N	09W	02	UNIT 1	0100	103.00	19	63	Date	12/17/2024
								Time	10:56:43AM

Spp	T	S	So	Gr	Log	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
										2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
BM		H	4		22	3		3	13.0			3									
BM		Totals				21		21	1.3			3		18							
Total All Species						1,636	1.2	1,615	100.0		138	368	89	387	215	135	166	71	47		

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	KWIT		DATE	12/17/2024		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
01N	09W	02	UNIT 1	0100	103.00	19	93	S	W	
				TREES	ESTIMATED		PERCENT			
				PER PLOT	TOTAL		SAMPLE			
		PLOTS	TREES		TREES		TREES			
TOTAL		19	93	4.9						
CRUISE		13	63	4.8	13,203		.5			
DBH COUNT										
REFOREST										
COUNT		6	30	5.0						
BLANKS										
100 %										
STAND SUMMARY										
	SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR	34	67.8	16.7	60	25.2	103.2	11,562	11,477	3,189	3,189
R ALDER	17	47.6	14.8	32	14.8	56.8	2,188	2,143	963	963
S SPRUCE	4	4.3	26.8	45	3.3	16.8	841	841	262	262
WHEMLOCK	4	6.1	17.9	43	2.5	10.5	1,086	1,020	307	307
OTH CONF	1	.6	26.0	108	0.4	2.1				
OTH CONF-1	1	.3	34.0	99	0.4	2.1				
OTH CONF-2	1	.6	25.0	70	0.4	2.1				
BL MAPLE	1	.9	21.0	64	0.5	2.1	201	201	69	69
TOTAL	63	128.2	16.7	49	47.9	195.8	15,879	15,684	4,791	4,791
CONFIDENCE LIMITS OF THE SAMPLE										
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR										
CL:	68.1 %	COEFF		SAMPLE TREES - BF			# OF TREES REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		112.2	19.2	228	282	336				
R ALDER		70.0	17.5	44	53	62				
S SPRUCE		113.4	64.8	91	258	424				
WHEMLOCK		92.8	53.0	150	320	490				
OTH CONF										
OTH CONF-1										
OTH CONF-2										
BL MAPLE										
TOTAL		132.2	16.6	172	207	241	698	174	78	
CL:	68.1 %	COEFF		SAMPLE TREES - CF			# OF TREES REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		89.3	15.3	63	74	86				
R ALDER		70.7	17.7	22	27	31				
S SPRUCE		101.7	58.1	31	75	118				
WHEMLOCK		88.3	50.5	47	94	142				
OTH CONF										
OTH CONF-1										
OTH CONF-2										
BL MAPLE										
TOTAL		103.1	13.0	52	59	67	424	106	47	
CL:	68.1 %	COEFF		TREES/ACRE			# OF PLOTS REQ.	INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		90.0	21.2	53	68	82				
R ALDER		74.9	17.7	39	48	56				
S SPRUCE		235.7	55.5	2	4	7				
WHEMLOCK		215.0	50.7	3	6	9				
OTH CONF		435.9	102.7	1	1	1				
OTH CONF-1		435.9	102.7	0	1	1				
OTH CONF-2		435.9	102.7	1	1	1				

TC TSTATS				STATISTICS				PAGE	2	
				PROJECT	KWIT			DATE	12/17/2024	
TWP	RGE	SECT	TRACT	TYPE	ACRES		PLOTS	TREES	CuFt	BdFt
01N	09W	02	UNIT 1	0100	103.00		19	93	S	W
CL:	68.1 %	COEFF		TREES/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15	
BL MAPLE		435.9	102.7		1	2				
TOTAL		48.7	11.5	113	128	143	100	25	11	
CL:	68.1 %	COEFF		BASAL AREA/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		80.0	18.9	84	103	123				
R ALDER		58.9	13.9	49	57	65				
S SPRUCE		228.3	53.8	8	17	26				
WHEMLOCK		171.9	40.5	6	11	15				
OTH CONF		435.9	102.7		2	4				
OTH CONF-1		435.9	102.7		2	4				
OTH CONF-2		435.9	102.7		2	4				
BL MAPLE		435.9	102.7		2	4				
TOTAL		37.2	8.8	179	196	213	58	15	6	
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		79.5	18.7	9,328	11,477	13,626				
R ALDER		83.4	19.7	1,722	2,143	2,564				
S SPRUCE		251.1	59.2	344	841	1,339				
WHEMLOCK		190.5	44.9	562	1,020	1,479				
OTH CONF										
OTH CONF-1										
OTH CONF-2										
BL MAPLE		435.9	102.7		201	408				
TOTAL		54.1	12.7	13,685	15,684	17,683	123	31	14	
CL:	68.1 %	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
DOUG FIR		76.9	18.1	2,611	3,189	3,766				
R ALDER		71.5	16.8	801	963	1,126				
S SPRUCE		242.6	57.2	112	262	412				
WHEMLOCK		186.3	43.9	172	307	441				
OTH CONF										
OTH CONF-1										
OTH CONF-2										
BL MAPLE		435.9	102.7		69	141				
TOTAL		47.4	11.2	4,255	4,791	5,326	95	24	11	

TC		TSTNDSUM											Stand Table Summary			
Project													KWIT			
T01N R09W S02 T0100										T01N R09W S02 T0100						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page:	1							
01N	09W	02	UNIT 1	0100	103.00	19	63	Date:	12/17/2024							
								Time:	10:56:45AM							
S Spc	T	Sample		Av	Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals			
		DBH	Trees	FF 16'				Ht Tot	Net Cu.Ft.				Net Bd.Ft.	Tons	Cunits	MBF
DF		10	1	80	17	5.563	3.03	5.56	5.3	20.0	.84	30	111	87	30	11
DF		11	3	81	63	13.792	9.10	18.39	10.3	42.5	5.41	190	782	557	195	81
DF		12	1	88	88	3.863	3.03	7.73	11.2	45.0	2.46	86	348	254	89	36
DF		13	1	82	64	3.292	3.03	3.29	22.4	60.0	2.10	74	197	216	76	20
DF		14	1	83	73	2.838	3.03	5.68	14.6	40.0	2.36	83	227	243	85	23
DF		16	1	77	88	2.173	3.03	4.35	21.8	75.0	2.71	95	326	279	98	34
DF		17	6	84	89	11.549	18.20	23.10	25.2	89.2	16.60	582	2,060	1,710	600	212
DF		18	4	84	90	6.868	12.14	13.74	28.5	98.7	11.17	392	1,356	1,150	404	140
DF		19	4	83	97	6.164	12.14	12.33	33.6	112.5	11.82	415	1,387	1,218	427	143
DF		20	2	81	90	2.781	6.07	5.56	35.1	107.5	5.56	195	598	573	201	62
DF		22	5	84	95	5.747	15.17	11.49	43.3	161.0	14.18	498	1,850	1,461	513	191
DF		24	1	82	101	.966	3.03	1.93	58.6	195.0	3.23	113	377	332	117	39
DF		27	1	83	100	.763	3.03	1.53	74.0	265.0	3.22	113	404	331	116	42
DF		32	1	83	101	.543	3.03	1.09	103.9	410.0	3.22	113	445	331	116	46
DF		33	1	83	104	.511	3.03	1.02	76.4	350.0	2.23	78	358	229	80	37
DF		39	1	86	122	.366	3.03	1.10	120.9	593.3	3.78	133	651	390	137	67
DF		Totals	34	83	78	67.778	103.16	117.87	27.1	97.4	90.88	3,189	11,477	9,361	3,284	1,182
RA		10	1	76	26	6.130	3.34	6.13	6.3	20.0	1.06	39	123	109	40	13
RA		11	2	79	48	10.133	6.69	5.07	14.6	50.0	2.03	74	253	209	76	26
RA		12	1	77	18	4.257	3.34	4.26	7.9	20.0	.92	33	85	95	34	9
RA		13	1	82	54	3.628	3.34	3.63	20.1	60.0	2.01	73	218	207	75	22
RA		14	1	79	43	3.128	3.34	3.13	19.6	40.0	1.69	61	125	174	63	13
RA		16	4	83	54	9.579	13.37	9.58	32.4	62.5	8.53	310	599	879	320	62
RA		17	2	76	55	4.243	6.69	4.24	25.6	70.0	2.98	109	297	307	112	31
RA		19	1	80	42	1.698	3.34	1.70	36.8	50.0	1.72	63	85	177	64	9
RA		20	1	82	66	1.533	3.34	1.53	54.5	150.0	2.30	84	230	237	86	24
RA		22	1	69	40	1.267	3.34	1.27	16.7	30.0	.58	21	38	60	22	4
RA		24	1	69	50	1.064	3.34	1.06	21.5	30.0	.63	23	32	65	24	3
RA		25	1	80	45	.981	3.34	.98	75.7	60.0	2.04	74	59	210	77	6
RA		Totals	17	79	44	47.640	56.84	42.57	22.6	50.3	26.50	963	2,143	2,729	992	221
WH		12	1	79	17	3.351	2.63	3.35	7.4	20.0	.79	25	67	81	25	7
WH		20	1	88	88	1.206	2.63	2.41	37.6	140.0	2.91	91	338	299	94	35
WH		22	1	83	84	.997	2.63	1.99	43.6	125.0	2.78	87	249	286	89	26
WH		31	1	83	101	.502	2.63	1.00	103.9	365.0	3.34	104	367	344	107	38
WH		Totals	4	82	49	6.056	10.53	8.76	35.0	116.5	9.81	307	1,020	1,011	316	105
SS		20	1	72	25	1.930	4.21	1.93	25.7	30.0	1.29	50	58	133	51	6
SS		25	1	79	106	1.235	4.21	1.24	107.4	400.0	3.45	133	494	355	137	51
SS		34	1	70	33	.668	4.21									
SS		40	1	83	80	.482	4.21	.48	165.5	600.0	2.08	80	289	214	82	30
SS		Totals	4	75	56	4.315	16.84	3.65	71.9	230.7	6.82	262	841	702	270	87
BM		21	1	82	78	.875	2.11	1.75	39.7	115.0	1.84	69	201	189	71	21
BM		Totals	1	82	78	.875	2.11	1.75	39.7	115.0	1.84	69	201	189	71	21
OC		25	1	88	85	.618	2.11									
OC		26	1	89	123	.571	2.11									
OC		34	1	90	119	.334	2.11									
OC		Totals	3	89	107	1.522	6.32									
Totals			63	81	64	128.187	195.79	174.61	27.4	89.8	135.85	4791	15,684	13,992	4,934	1,615



"STEWARDSHIP IN FORESTRY"

Kilchis Company

Volume Summary

Unit 1-Modified Clearcut				
103 acres				
SPECIES	Cruised Net	Cruised Net	Hidden	Net Sale
	MBF/ Acre	MBF	D&B	MBF
Douglas-fir	11.48	1182	1%	1170
Hemlock	1.09	112	1%	111
Spruce	0.84	87	1%	86
Noble Fir		0	1%	0
Alder	2.19	225	2%	221
TOTAL	15.59	1606.0		1588

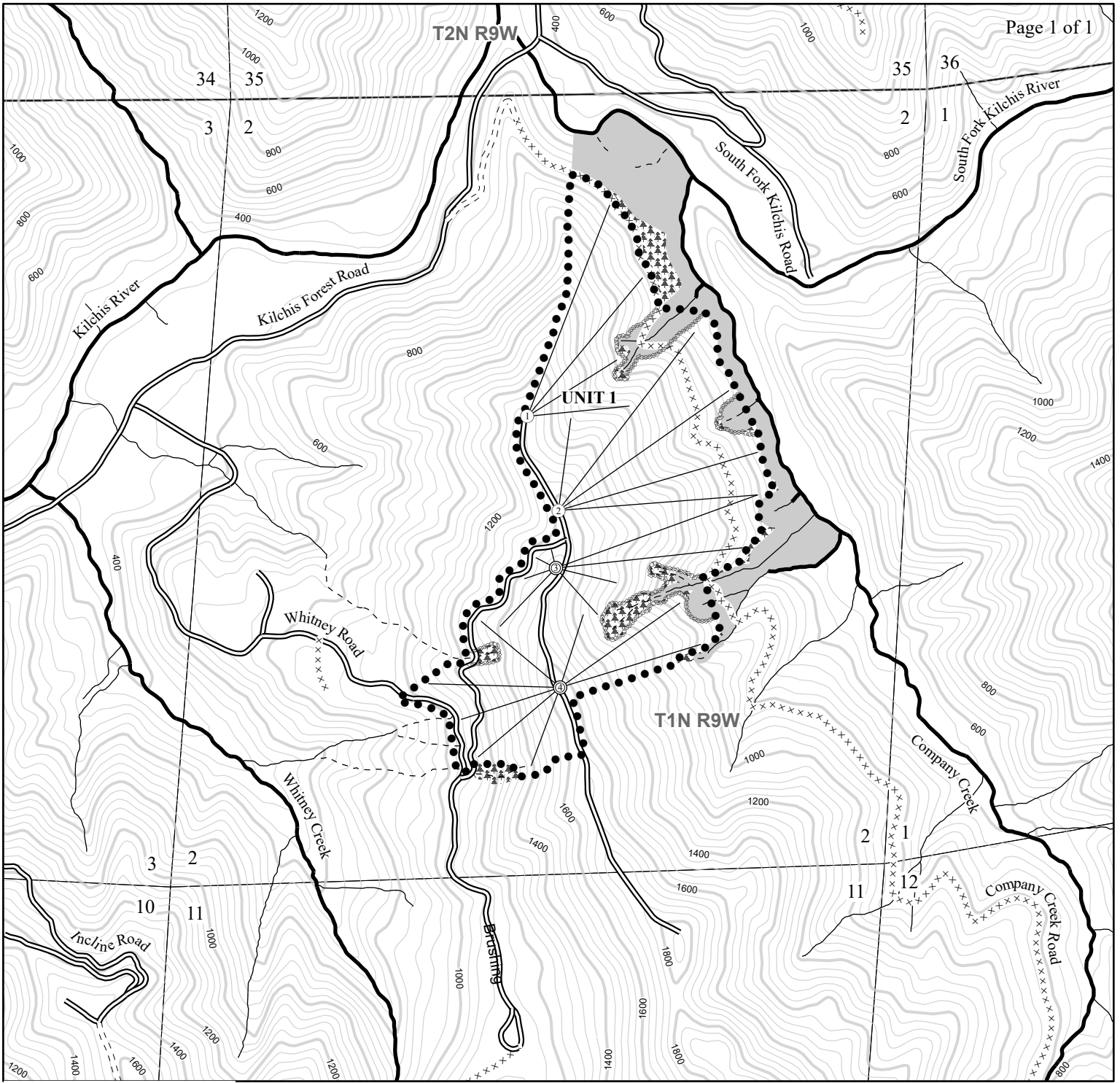


"STEWARDSHIP IN FORESTRY"

Kilchis Company

Volume Summary

TOTAL SALE VOLUME		103	acres
SPECIES	Cruised Net (MBF)	Net Sale (MBF)	
Douglas-fir	1182	1170	
Hemlock	112	111	
Spruce	87	86	
Noble Fir	0	0	
Red Alder	225	221	
TOTAL	1606	1588	



- Legend**
- ⊙ Landing To Be Constructed
 - Landing Existing
 - 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
 - === Unsurfaced Road
 - xxx Blocked Road
 - 200' Contour
 - 40' Contour
 - Sections

LOGGING PLAN

FOR TIMBER SALE CONTRACT TL-341-2026-W00958-01
 KILCHIS COMPANY
 PORTIONS OF SECTION 2 of T1N R9W W.M
 TILLAMOOK COUNTY, OREGON

Tillamook District GIS
 February 2026

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



NET ACRES

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



	GROUND	CABLE	TOTAL
UNIT 1	0	103	103
TOTAL	0	103	103