

District: Forest Grove

Date: June 13, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$3,227,704.07	\$105,777.00	\$3,333,481.07
		Project Work:	(\$447,230.00)
		Advertised Value:	\$2,886,251.07



District: Forest Grove

Date: June 13, 2024

Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	21	0	98
Western Hemlock / Fir	16	0	98
Alder (Red)	16	0	95

Volume by Grade	2S	3S & 4S 6"- 11"	Camprun	Total
Douglas - Fir	5,950	2,137	0	8,087
Western Hemlock / Fir	167	141	0	308
Alder (Red)	0	0	1,022	1,022
Total	6,117	2,278	1,022	9,417

Comments: LOCAL POND VALUES, APRIL 2024

NOBLE FIR AND OTHER TRUE FIRS: STUMPAGE PRICE = POND VALUE - HEM-FIR LOGGING COST \$143.69 = \$542.71 - \$399.02

WESTERN REDCEDAR AND OTHER CEDARS: STUMPAGE PRICE = POND VALUE - DOUG-FIR LOGGING COST \$928.48 = \$1,300.00 - \$371.52

BRANDING AND PAINTING ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$5.00/GAL

HAULING COST ALLOWANCE = \$1,250/DAY

OTHER COSTS (WITH PROFIT & RISK ADDED): NONE

OTHER COSTS (NO PROFIT & RISK ADDED):

EQUIPMENT CLEANING: 3 PIECES @ \$1,000/PIECE = \$3,000

MACHINE TIME TO BLOCK/WATERBAR ROADS AND SKID TRAILS: 30 HOURS X \$150/HOUR = \$4,500

RECREATIONAL TRAIL REHABILITATION: 3 DAYS X 1,500/DAY = \$4,500

TOTAL OTHER COSTS (NO P&R) = \$12,000

SLASH TREATMENT: 15 ACRES x \$250/ACRE = \$3,750

ROAD MAINTENANCE (INCLUDES SPOT ROCKING, GRADING, & ROLLING): MOVE IN: \$1,054.53 GENERAL ROAD MAINT: 9.79 miles X \$740.94 = \$7,253.80 TOTAL ROAD MAINTENANCE: \$8,308.33 / 9,417 MBF = \$0.88/MBF



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Date: June 13, 2024

	Loggi	ng Conditions
Combination#: 1	Douglas - Fir Western Hemlock / Fir Alder (Red)	86.83% 82.16% 97.52%
Logging System:	Cable: Medium Tower >40 - <70	Process: Harvester Head Delimbing
yarding distance: tree size:	Long (1,500 ft) Mature / Regen Cut (900 Bft/tree), 3-5 log	downhill yarding: No Is/MBF
loads / day:	9	bd. ft / load: 4600
cost / mbf:	\$192.71	
machines:	Log Loader (A) Forwarder Harvester Tower Yarder (Medium)	
Combination#: 2	Douglas - Fir Western Hemlock / Fir Alder (Red)	13.17% 17.84% 2.48%
Logging System:	Shovel	Process: Harvester Head Delimbing
yarding distance: tree size:	Short (400 ft) Mature / Regen Cut (900 Bft/tree), 3-5 log	downhill yarding: No Is/MBF
loads / day:	16	bd. ft / load: 4600
cost / mbf:	\$135.87	
machines:	Forwarder Harvester	



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Logging Costs			
Operating Seasons: 2.00	Profit Risk: 15%		
Project Costs: \$447,230.00	Other Costs (P/R): \$0.00		
Slash Disposal: \$3,750.00	Other Costs: \$12,000.00		

Miles of Road		Road Maintenance: \$0).88
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	2.0	4.8
Western Hemlock / Fir	\$0.00	2.0	4.0
Alder (Red)	\$0.00	3.0	3.0



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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								
\$185.23	\$0.90	\$0.93	\$132.81	\$0.00	\$47.98	\$0.40	\$2.00	\$1.27	\$371.52
Western H	emlock	/ Fir							
\$182.57	\$0.90	\$0.93	\$159.38	\$0.00	\$51.57	\$0.40	\$2.00	\$1.27	\$399.02
Alder (Red	l)								
\$191.30	\$0.92	\$0.93	\$145.83	\$0.00	\$50.85	\$0.40	\$2.00	\$1.27	\$393.50

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$765.17	\$393.65	\$0.00
Western Hemlock / Fir	\$0.00	\$542.71	\$143.69	\$0.00
Alder (Red)	\$0.00	\$497.00	\$103.50	\$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
Alder (Red)	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	8,087	\$393.65	\$3,183,447.55
Western Hemlock / Fir	308	\$143.69	\$44,256.52
Alder (Red)	1,022	\$103.50	\$105,777.00

Gross Timber Sale Value				
	Recovery:	\$3,333,481.07		
Prepared By:	SHAMUS SMITH	Phone: 503-359-7404		

TIMBER SALE SUMMARY NW Slope #FG-341-2025-W01019-01

- 1. <u>Location</u>: Portions of Sections 9, 15, 16, and 17, T1N, R6W, W.M., Tillamook County, Oregon.
- 2. <u>Type of Sale</u>: This timber sale is 216 net acres of Modified Clearcut consisting of three harvest units. Unit 1 is 105 acres, Unit 2 is 60 acres, Unit 3 is 51 acres, and Unit 4 is less than an acre. The timber will be sold on a recovery basis at a sealed bid auction.
- 3. <u>Revenue Distribution</u>: 100% BOF; 100% Tillamook County (902).
- 4. <u>Sale Acreage</u>: Acres are net of Stream Buffers and road prisms. Acreage was determined using ESRI ArcGIS Pro software.
- 5. <u>Cruise</u>: The timber sale was cruised by ODF Cruisers in January of 2024. For more information, see Cruise Report.
- 6. <u>Timber Description</u>: The Timber Sale Area consists of a well-stocked, 63-75 year-old stand of Douglas-fir with minor components of western hemlock and red alder. These timber stands have an average of 242 ft² of basal area and an average Douglas-fir DBH of 21 inches. The estimated average net Douglas-fir volume is approximately 37.4 MBF per acre.
- 7. <u>Topography and Logging Method</u>: Slopes within the Timber Sale Area range from 5% to 80% with a mainly northern aspect in Unit 1 and Unit 2, and south-eastern aspect in Unit 3. Unit 1 is 4% ground-based yarding and 96% cable-based yarding. Unit 2 is 100% cable-based yarding. Unit 3 is 45% ground-based yarding and 55% cable-based yarding. The average cable corridor length is approximately 1,000 feet and the maximum is approximately 2,000 feet. The average horizontal skid trail length is approximately 400 feet and the maximum is approximately 800 feet.
- 8. <u>Access</u>: All access to the Timber Sale Area is on surfaced roads. From Forest Grove travel west on Highway 8 to its intersection with Highway 6. Proceed west onto Highway 6 for approximately 14.3 miles to the South Fork Wilson Road. Turn left and continue on South Fork Wilson Road for 3 miles to access the northern portion of Unit 2. To access Unit 1 and Unit 3, continue on South Fork Wilson Road approximately 0.5 miles to Woods Point Road. Turn right onto Woods Point Road and continue approximately 2 miles to access the northern portion of Unit 3. Continue on Woods Point Road approximately 0.5 miles to access the eastern portion of Unit 1.

9. Projects:

Project No. 1: Rocked Road Construction	\$171,237.35
Project No. 2: Road Improvement	\$271,155.19
Project No. 3: Stockpile Construction	\$3,178.19
Project No. 4: Road Vacating	\$1,659.27
Total Credit for all Projects	\$447.230.00

PROJ	IECT COST SUMMA	RY SHEET	
Timber Sale:	NW S		
	FG-341-2023		
PROJECT NO. 1: ROCKED ROAD CONSTRUC	TION		
	Datad Carrierant	l e a atta	Orat
-	Road Segment	Lengtn	Cost \$46.640.84
	L to M	22+50	\$41,009,67
	N to O	4+50	\$9,732,28
	Ptol	9+00	\$22 417 78
	Q to R	21+50	\$49.261.19
-		67+00 stations	<i>•••••••••••••••••••••••••••••••••••••</i>
		1.26 miles	
Total Rock =			
	5,388 cy	4" - 0	
	122 cy	Pit-run	
		Maya in -	<u> </u>
			\$2,175.59
		TOTAL PROJECT COST =	\$171,237.35
PROJECT NO. 2: ROAD IMPROVEMENT			
	Road Segment	l enath	Cost
-	A to R	183+50	\$20 724 25
		163-50	ψ20,127.20 Φ100 200 00
	BIOC	154+50	\$108,308.82
	D to E	39+00	\$50,386.65
	F to G	19+50	\$35,499.59
-	H to I	50+50	\$52,790.82
		447+00 stations	
Tatal Daak -		8.46 miles	
Total Rock =	2 105 01	11/" 0	
	5,195 Cy	1 ⁷ ² - 0 4" 0	
	0,351 Cy	4 - U Biprop	
	40 Cy	Кіргар	
		Move-in =	\$3,445.06
		TOTAL DROJECT COST -	¢274 455 40
			\$271,100.19
PROJECT NO. 3: STOCKPILE CONSTRUCTION	N		
	Book Sizo	Stocknilo Mocouro	Cost
-			\$3 137 80
-	4 - 0	230 Cy	φ3,137.00
Total Rock =		(
	104 cy	1½" - 0	
	290 cy	4" - U	
		Move-in =	\$40.39
			¢2 479 40
			Ф Ј, 170. ТУ
PROJECT NO. 4: ROAD VACATING			
	Bood Serment		Cost
-			
-	V1 to V2		\$1,638.19
		21+50 stations 0.40 miles	
		0.10 11100	
		Move-in =	\$21.08
		TOTAL PROJECT COST =	\$1,659.27
			\$447 230 00
			ΨΤΤΙ,200.00

	SUM	MARY OF	CONSTRU	CTION COST			
Timber Sale:		NW Slope	е	Sale	e Number:	FG-341-2025	5-W01019-01
Road Segment:		A to B		Imp	rovement:	183+50	stations
						3.48	miles
PROJECT NO. 2: ROAD IMPROVEMENT							
IMPROVEMENT							
Clearing & grubbing (scatter)	2.10	ac @	\$1,692.00	per acre =		\$3,553.20	
Grade, ditch, & roll	183.50	sta @	\$39.70	per sta =		\$7,284.95	
				TOTAL IM	PROVEME	NT COSTS =	\$10,838.15
ROCK							
	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost	
Surfacing rock							
Spot rock	1½" - 0	\$1.77	\$25.78	\$1.35	250	\$7,225.00	
				Subtotal =	250	\$7,225.00	
			Totals	All Rock = 1½" - 0	250 250		
				1	TOTAL RO	<u>CK COSTS =</u>	\$7,225.00
EROSION CONTROL						_	
Grass seed & fertilizer	2.10	ac @	\$1,241.00	per ac =		\$2,606.10	
Straw mulch bale	5	ea @	\$11.00	per ea =		\$55.00	
				TOTAL EROSIC	N CONTR	OL COSTS =	\$2,661.10

TOTAL PROJECT COST = \$20,724.25

	SUMN	ARY OF CO	DNSTRUCT	ION COST				
Timber Sale:		NW Slope			Sale	Number:	FG-341-202	5-W01019-01
Road Segment:		B to C		-	Impi	rovement:	154+50	stations
5				-			2.93	miles
PROJECT NO. 2: ROAD IMPROVEMENT								
IMPROVEMENT								
Clearing & grubbing (scatter)	1.78	ac @	\$1,692.00	per acre =			\$3,011.76	
Clean culvert inlet & outlet, scatter waste	10.00	ea @	\$27.50	per ea =			\$275.00	
Improve turnout	11.00	ea @	\$36.30	per ea =			\$399.30	
Grade, ditch, & roll	154.50	sta @	\$39.70	, per sta =			\$6,133.65	
				т	OTAL IMPI	ROVEMEN	NT COSTS =	\$9.819.71
CULVERTS								. ,
Culverts and Bands	-							
24" Diameter	80	lf @	\$31.90	per If =			\$2.552.00	
Markers & Stakes		0		•			, ,	
Culvert markers	10	ea @	\$12.00	per ea =			\$120.00	
		U		•	τοτα		RT COSTS =	\$2 672 00
ROCK					<u></u>			<i>\\\\\\\\\\\\\\</i>
		1	1	1				
	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placen Processing	nent/ Cost \$/cy	Total CY	Rock Cost	
Subgrade rock				ļ				
Bedding and backfill	1½" - 0	\$1.77	\$17.35	\$0.5	55	48	\$944.16	
Energy dissipator	Riprap	\$16.51	\$17.35	\$1.7	75	24	\$854.64	
					Subtotal =	72	\$1,798.80	
Surfacing rock								
Surfacing rock (0+00 to 63+00)	11⁄2" - 0	\$1.77	\$17.35	\$1.3	35	1,953	\$39,977.91	
Surfacing rock (63+00 to 93+00)	4" - 0	\$9.72	\$17.35	\$1.3	35	1,260	\$35,809.20	
Culvert spot rock	11⁄2" - 0	\$1.77	\$17.35	\$1.3	35	72	\$1,473.84	
Spot rock	11⁄2" - 0	\$1.77	\$17.35	\$1.3	35	250	\$5,117.50	
Junction	11⁄2" - 0	\$1.77	\$17.35	\$1.3	35	120	\$2,456.40	
Turnout	1½" - 0	\$1.77	\$17.35	\$1.3	35	154	\$3,152.38	
Traction rock	1½" - 0	\$1.77	\$17.35	\$1.3	35	180	\$3,684.60	
					Subtotal =	3,989	\$91,671.83	
				·				
			Totals		All Rock =	4,061		
				L	1½" - 0	2,777		
					4" - 0	1,260		
					Riprap	24		

TOTAL ROCK COSTS =	\$93,470.63
-	

EROSION CONTROL					
Grass seed & fertilizer	1.78	ac @	\$1,241.00	per ac =	\$2,208.98
Straw mulch bale	10	ea @	\$11.00	per ea =	\$110.00
Bio-bag	5	ea @	\$5.50	per ea =	\$27.50
				TOTAL EDGOLONI	

TOTAL EROSION CONTROL COSTS = \$2,346.48

TOTAL PROJECT COST = \$108,308.82

	SUM	MARY OF CO	DNSTRUCT	ION COST			
Timber Sale:	NW Slope		_	Sale Number:	FG-341-2025-W01019-01		
Road Segment:		D to E			Improvement:	39+00	stations
				-		0.74	miles
PROJECT NO. 2: ROAD IMPROVEMENT							
IMPROVEMENT							
Clearing & grubbing (scatter)	0.46	ac @	\$1,692.00	per acre =		\$778.32	
Clean culvert inlet & outlet, scatter waste	2	ea @	\$27.50	per ea =		\$55.00	
Remove existing culvert	1	ea @	\$165.00	per ea =		\$165.00	
Construct settling pond	3	ea @	\$27.50	per ea =		\$82.50	
Improve turnout	4	ea @	\$36.30	per ea =		\$145.20	
Improve roadside landing	1	ea @	\$90.75	per ea =		\$90.75	
Grade, ditch, & roll	39.00	sta @	\$39.70	per sta =		\$1,548.30	
					TOTAL IMPROVEME	NT COSTS =	\$2,865.07
CULVERTS						_	
Culverts and Bands							
24" Diameter	40	lf @	\$31.90	per lf =		\$1,276.00	
Markers & Stakes							
Culvert markers	1	ea @	\$12.00	per ea =	_	\$12.00	
					TOTAL CULVE	RT COSTS =	\$1,288.00

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	\$1.77	\$13.75	\$0.55	24	\$385.68
				Subtotal =	24	\$385.68
Surfacing rock						
Surfacing rock	4" - 0	\$9.72	\$13.75	\$1.35	1,638	\$40,655.16
Junction	4" - 0	\$9.72	\$13.75	\$1.35	48	\$1,191.36
Turnout	4" - 0	\$9.72	\$13.75	\$1.35	76	\$1,886.32
Roadside landing	4" - 0	\$9.72	\$13.75	\$1.35	60	\$1,489.20
				Subtotal =	1,822	\$45,222.04

 All Rock =
 1,846

 1½" - 0
 24

 4" - 0
 1,822

TOTAL ROCK COSTS = \$45,607.72

EROSION CONTROL					
Grass seed & fertilizer	0.46	ac @	\$1,241.00	per ac =	\$570.86
Straw mulch bale	5	ea @	\$11.00	per ea =	\$55.00

TOTAL EROSION CONTROL COSTS = \$625.86

TOTAL PROJECT COST = \$50,386.65

	SUM	MARY OF (CONSTRUC	CTION COST			
Timber Sale:		NW Slop	е	S	ale Number:	FG-341-202	5-W01019-01
Road Segment:		F to G		- Ir	nprovement:	19+50	stations
C C				-	•	0.37	miles
PROJECT NO. 2: ROAD IMPROVEMENT							
Clearing & grubbing (scatter)	0.24	ac @	\$1.692.00	per acre =		\$406.08	
Clean culvert inlet & outlet. scatter waste	4	ea @	\$27.50	per ea =		\$110.00	
Construct settling pond	12	ea @	\$27.50	per ea =		\$330.00	
Improve turnout	2	ea @	\$36.30	per ea =		\$72.60	
Construct roadside landing	1	ea @	\$181.50	per ea =		\$181.50	
Improve landing	1	ea @	\$172.70	per ea =		\$172.70	
Grade, ditch, & roll	19.50	sta @	\$39.70	per sta =		\$774.15	
				TOTAL IN	IPROVEMEN	NT COSTS =	\$2.047.03
CULVERTS				<u></u>			<i><i><i></i></i></i>
Culverts and Bands							
24" Diameter	30	lf @	\$31.90	per If =		\$957.00	
36" Diameter	80	lf @	\$55.05	per lf =		\$4,404.00	
Markers & Stakes							
Culvert markers	2	ea @	\$12.00	per ea =		\$24.00	
				<u>T0</u>	TAL CULVER	RT COSTS =	\$5,385.00
ROCK						-	
	Deals	Dees		Discoment/			
	ROCK	Base	Haul Cost	Placement/	Total CY	Rock Cost	
	Size	Cost \$/cy	\$/су	Processing Cost \$/0	cy		
Subgrade rock				•			
Bedding and backfill	1½" - 0	\$1.77	\$13.05	\$0.55	72	\$1,106.64	
Energy dissipator	Riprap	\$16.51	\$13.05	\$1.75	24	\$751.44	
				Subtota	I = 96	\$1,858.08	
Surfacing rock			-				
Surfacing rock	4" - 0	\$9.72	\$13.05	\$1.35	819	\$19,754.28	
Turnout	4" - 0	\$9.72	\$13.05	\$1.35	38	\$916.56	
Roadside landing	4" - 0	\$9.72	\$13.05	\$1.35	95	\$2,291.40	
Landing	4" - 0	\$9.72	\$13.05	\$1.35	120	\$2,894.40	
				Subtota	I = 1,072	\$25,856.64	
			- · ·		1 4 4 9 9	1	
			Iotais	All ROCK	= 1,168		
				1/2	-0 1072		
				- 4 Rinr	$\frac{-0}{20}$ $\frac{1,072}{24}$		
					<u>ahi 74</u>	1	
					TOTAL ROO	CK COSTS =	\$27,714.72
FROSION CONTROL							<u> </u>
Grass seed & fertilizer	0 24	ac @	\$1 241 00	per ac =		\$297 84	

Grass seed & fertilizer	0.24	ac @	\$1,241.00	per ac =	\$297.84
Straw mulch bale	5	ea @	\$11.00	per ea =	\$55.00

TOTAL EROSION CONTROL COSTS = \$352.84

TOTAL PROJECT COST = \$35,499.59

	SUM	MARY OF (CONSTRUC	TION COST			
Timber Sale:		NW Slop	е		Sale Number	FG-341-202	5-W01019-01
Road Segment:		H to I			Improvement	50+50	stations
				•		0.96	miles
PROJECT NO. 2: ROAD IMPROVEMENT							
IMPROVEMENT							
Clearing & grubbing (scatter)	0.58	ac @	\$1,692.00	per acre =		\$981.36	
Clean culvert inlet & outlet, end-haul waste	6	ea @	\$27.50	per ea =		\$165.00	
Haul waste material	3	су @	\$2.29	per cy =		\$6.87	
Shape and compact waste material	3	су @	\$0.35	per cy =		\$1.05	
Construct settling pond	6	ea @	\$27.50	per ea =		\$165.00	
Improve turnout	4	ea @	\$36.30	per ea =		\$145.20	
Grade, ditch, & roll	50.50	sta @	\$39.70	per sta =		\$2,004.85	
				TOTAL	IMPROVEME	NT COSTS =	\$3,469.33
CULVERTS						_	
Culverts and Bands							
18" Diameter	110	lf @	\$22.05	per If =		\$2,425.50	
Markers & Stakes							
Culvert markers	5	ea @	\$12.00	per ea =		\$60.00	
DOOK				-	TOTAL CULVE	<u>RT COSTS =</u>	\$2,485.50
RUCK							
	Rock	Base	Haul Cost	Placement/			
	Size	Cost \$/cv	\$/cv	Processing Cost	\$/cv Total CY	Rock Cost	
	0120	000t ¢/ 0y	φrey		ψiey		
Subgrade rock				<u> </u>			
Bedding and backfill	1½" - 0	\$1.77	\$9.52	\$0.55	72	\$852.48	
				Subt	otal = 72	\$852.48	
Surfacing rock							
Surfacing rock	4" - 0	\$9.72	\$9.52	\$1.35	2,121	\$43,671.39	
lurnout	4" - 0	\$9.72	\$9.52	\$1.35	76	\$1,564.84	
				Subt	otal = 2,197	\$45,236.23	
			Totals	All Ro	ock = 2,269	1	
				1	1⁄2" - 0 72		
					4" - 0 2,197]	
						rk costs -	\$46 088 71
					TOTAL RU	<u> </u>	ψ 1 0,000.7 Ι
Grass seed & fertilizer	0.58	ac @	\$1 241 00	per ac =		\$719 78	
Bio-bag	5	ea @	\$5.50	per ea =		\$27 50	
Dio bug	0	cu w	ψ0.00	por ca -		ψ21.00	

TOTAL EROSION CONTROL COSTS = \$747.28

TOTAL PROJECT COST = \$52,790.82

Timber Sale:	NW Slope				Sale Number:	FG-341-20)25-W01019-01
Road Segment:		J to K			- Construction:	9+50	stations
<u> </u>					-	0.18	miles
PROJECT NO. 1: ROCKED ROAD CONS	TRUCTION						
CONSTRUCTION							
Clearing & grubbing (scatter)	1.10	ac @	\$1,692.00	per ac =		\$1,861.20	
Balanced road construction	9.50	sta @	\$120.00	per sta =		\$1,140.00	
Full Bench End-haul @ 0+00 to 4+50		-		-			
Excavate & load	3,815	су @	\$1.76	per cy =		\$6,714.40	
Rip rock	1,000	cy @	\$2.75	per cy =		\$2,750.00	
Haul	5,115	cy @	\$1.92	per cy =		\$9,820.80	
Shape and compact waste material	5,115	cy @	\$0.35	per cy =		\$1,790.25	
Turnout	2	ea @	\$72.60	per ea =		\$145.20	
Turnaround	2	ea @	\$90.75	per ea =		\$181.50	
Roadside landing	1	ea @	\$181.50	per ea =		\$181.50	
Landing	1	ea @	\$345.40	per ea =		\$345.40	
Grade, ditch, & roll	9.50	sta @	\$39.70	per sta =	-	\$377.15	_
				<u> </u>		ON COSTS =	\$25,307.40
CULVERTS							
Culverts and Bands							
18" Diameter	40	lf @	\$22.05	per lf =		\$882.00	
Markers & Stakes							
Culvert markers	1	ea @	\$12.00	per ea =	_	\$12.00	_
					TOTAL CULVE	RT COSTS =	\$894.00
GATE CONSTRUCTION AND INSTALLAT	ION						
Post construction & install	1	ea @	\$880.00	per ea =		\$880.00	
Gate	1	ea @	\$319.00	per ea =		\$319.00	

TOTAL GATE COSTS = \$1,199.00

ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Surfacing rock		-	-			
Surfacing rock	4" - 0	\$9.72	\$5.85	\$1.35	627	\$10,608.84
Turnout	4" - 0	\$9.72	\$5.85	\$1.35	58	\$981.36
Turnaround	4" - 0	\$9.72	\$5.85	\$1.35	40	\$676.80
Traction rock	11⁄2" - 0	\$9.72	\$5.85	\$1.35	72	\$1,218.24
Roadside landing	4" - 0	\$9.72	\$5.85	\$1.35	95	\$1,607.40
Landing	4" - 0	\$9.72	\$5.85	\$1.35	180	\$3,045.60
				Subtotal =	1,072	\$18,138.24

Totals	All Rock =
	1½" - 0
	4" - 0

TOTAL ROCK COSTS =	\$18 138 24
	ψ10,100.24

EROSION CONTROL				
Construct rolling dips	2	ea@ \$181.50 p	er ea =	\$363.00
Grass seed & fertilizer	0.55	ac @ \$1,324.00 p	oer ac =	\$728.20
Straw mulch (bale)	1	ea @ \$11.00 p	er ea =	\$11.00

TOTAL EROSION CONTROL COSTS = \$1,102.20

1,072 72

1,000

TOTAL PROJECT COST = \$46,640.84

SUMMARY OF CONSTRUCTION COST

SUMMARY OF CONSTRUCTION COST							
Timber Sale:		NW Slop	е		Sale Number:	FG-341-202	5-W01019-01
Road Segment:		L to M		-	Construction:	22+50	stations
				•		0.43	miles
PROJECT NO. 1: ROCKED ROAD CONS	TRUCTI	ON					
CONSTRUCTION							
Clearing & grubbing (scatter)	2.59	ac @	\$1,692.00	per ac =		\$4,382.28	
Balanced road construction	20.50	sta @	\$120.00	per sta =		\$2,460.00	
Drift (15+50 to 13+50)	2.00	sta @	\$198.00	per sta =		\$396.00	
Full bench end haul (0+00 to 1+00)		-					
Excavate & load	50	cy @	\$1.76	per cy =		\$88.00	
Haul	65	cy @	\$1.92	per cy =		\$124.80	
Shape and compact waste material	65	cy @	\$0.35	per cy =		\$22.75	
Turnout	4	ea @	\$72.60	per ea =		\$290.40	
Turnaround	1	ea @	\$90.75	per ea =		\$90.75	
Roadside landing	1	ea @	\$181.50	per ea =		\$181.50	
Landing	1	ea @	\$345.40	per ea =		\$345.40	
Grade, ditch, & roll	22.50	sta @	\$39.70	per sta =		\$893.25	
		-					-
				<u>101</u>	AL CONSTRUC	CHON COSTS =	<u>\$9,275.13</u>
CULVERIS Culverte and Danda							
Curvents and Bands	70	lf @	¢00.05	nor lf -		¢4 E42 E0	
18 Diameter Markers & Stakes	70	11 @	\$22.05	per II =		\$1,543.50	
Warkers & Stakes	0		¢10.00			¢04.00	
Culvert markers	2	ea @	\$12.00	per ea =		\$24.00	-
					TOTAL CUL	VERT COSTS =	= \$1,567.50
ROCK							
				Placemen	t/		7
	Rock	Base	Haul Cost	Processin	a Total CY	Rock Cost	
	Size	Cost \$/cy	\$/cy	Cost \$/cv	/		
Surfacing rock				00000			4
Surfacing rock	4" - 0	\$9.72	\$3.54	\$1.35	1,485	\$21,695.85	7
Junction	4" - 0	\$9.72	\$3.54	\$1.35	48	\$701.28	1
Turnout	4" - 0	\$9.72	\$3.54	\$1.35	116	\$1,694.76	1
Turnaround	4" - 0	\$9.72	\$3.54	\$1.35	20	\$292.20	1
Roadside landing	4" - 0	\$9.72	\$3.54	\$1.35	95	\$1,387.95	7
Landing	4" - 0	\$9.72	\$3.54	\$1.35	180	\$2,629.80	1
		-		Subtot	al = 1,944	\$28,401.84	
			Totals	All Roo	ck = 1,944		
				4	" - 0 1,944		
							- \$28 /01 8/
						1000 00013 -	- φ20,401.04

EROSION CONTROL					
Grass seed & fertilizer	1.30	ac @	\$1,324.00	per ac =	\$1,721.20
Straw mulch (bale)	4	ea @	\$11.00	per ea =	\$44.00

TOTAL EROSION CONTROL COSTS = \$1,765.20

TOTAL PROJECT COST = \$41,009.67

	SUMMA	ARY OF CC	INSTRUCTION COST				
Timber Sale:		NW Slope	•	Sale Number:	FG-341-2	025-W01019-01	
Road Segment:	N to O			Construction:		4+50 stations 0.09 miles	
PROJECT NO. 1: ROCKED ROAD CONS	TRUCTIO	ON					
CONSTRUCTION							
Clearing & grubbing (scatter)	0.52	ac @	\$1,692.00 per ac =		\$879.84		
Balanced road construction	4.50	sta @	\$120.00 per sta =		\$540.00		
Turnout	1	ea @	\$72.60 per ea =		\$72.60		
Turnaround	1	ea @	\$90.75 per ea =		\$90.75		
Landing	1	ea @	\$345.40 per ea =		\$345.40		
Grade, ditch, & roll	4.50	sta @	\$39.70 per sta =		\$178.65		

-

TOTAL CONSTRUCTION COSTS = \$2,107.24

Si	lock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing	Total CY	Rock Cost

Surfacing rock						
Surfacing rock	4" - 0	\$9.72	\$2.73	\$1.35	297	\$4,098.60
Turnout	4" - 0	\$9.72	\$2.73	\$1.35	29	\$400.20
Turnaround	4" - 0	\$9.72	\$2.73	\$1.35	20	\$276.00
Landing	4" - 0	\$9.72	\$2.73	\$1.35	180	\$2,484.00
				Subtotal =	526	\$7 258 80

Totals

All Rock = 526 4" - 0 526

TOTAL ROCK COSTS = \$7,258.80

EROSION CONTROL			
Grass seed & fertilizer	0.26	ac @ \$1,324.00 per ac =	\$344.24
Straw mulch (bale)	2	ea @ \$11.00 per ea =	\$22.00

TOTAL EROSION CONTROL COSTS = \$366.24

TOTAL PROJECT COST = \$9,732.28

	:	SUMMAR	Y OF CONSTRUCTION	N COST		
Timber Sale:		NW Slope	e	Sale Number:	FG-341-2025-W010	019-01
Road Segment:		P to I		Construction:	9+00 s	stations
					0.17 r	niles
PROJECT NO. 1: ROCKED ROAD CONS	TRUCTIO	N				
CONSTRUCTION						
Rock hammer	16.00	hrs @	\$286.00 per hrs =		\$4,576.00	
Clearing & grubbing (scatter)	1.04	ac @	\$1,692.00 per ac =		\$1,759.68	
Balanced road construction	9.00	sta @	\$120.00 per sta =		\$1,080.00	
Excavate & load	400	су @	\$1.76 per cy =		\$704.00	
Haul	520	су @	\$1.92 per cy =		\$998.40	
Shape and compact waste material	520	су @	\$0.35 per cy =		\$182.00	
Construct settling pond	6	ea @	\$27.50 per ea =		\$165.00	
Turnout	2	ea @	\$72.60 per ea =		\$145.20	
Grade, ditch, & roll	9.00	sta @	\$39.70 per sta =		\$357.30	
				TOTAL C	CONSTRUCTION COSTS =	\$9,967.58
CULVERTS						
Culverts and Bands	•					
24" Diameter	50	lf @	\$31.90 per lf =		\$1,595.00	
Markers & Stakes		0	•			
Culvert markers	1	ea @	\$12.00 per ea =		\$12.00	
				Ţ	OTAL CULVERT COSTS =	\$1,607.00

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing	Total CY	Rock Cost
Surfacing rock						
Surfacing rock	4" - 0	\$9.72	\$3.76	\$1.35	594	\$8,809.02
Turnout	4" - 0	\$9.72	\$3.76	\$1.35	58	\$860.14
Traction rock	1½" - 0	\$9.72	\$3.76	\$1.35	32	\$474.56
				Subtotal =	684	\$10,143.72

 All Rock =
 684

 1½" - 0
 32

 4" - 0
 652

TOTAL ROCK COSTS = \$10,143.72

EROSION CONTROL			
Grass seed & fertilizer	0.52	ac @ \$1,324.00 per ac =	\$688.48
Straw mulch (bale)	1	ea @ \$11.00 per ea =	\$11.00

TOTAL EROSION CONTROL COSTS = \$699.48

TOTAL PROJECT COST = \$22,417.78

	SUMM	ARY OF CO	NSTRUCTI	ON COST			
Timber Sale:		NW Slope			Sale Number:	FG-341-20	25-W01019-01
- Road Segment		Q to R			Construction	21+50	stations
		<u>u</u> 10 11			-	0.41	miles
PROJECT NO. 1: ROCKED ROAD CONST	RUCTION						
CONSTRUCTION							
Clearing & grubbing (scatter)	2.47	ac @	\$1,692.00	per ac =		\$4,179.24 \$1 884 00	
Drift (2+50 to 4+00, 11+30 to 13+20 and 15+40 to 17+80)	5.80	sta @	\$198.00	per sta = per sta =		\$1,148.40	
Full Bench End-haul (5+60 to 7+10) Excavate & load Haul Shape and compact waste material Fill construction @ 12+90 Drift & compact fill Pump culvert installation Fill construction @ 17+30 Drift & compact fill Pump culvert installation Construct settling pond Turnout	1,000 1,300 1,300 60 1 70 1 18 2	cy @ cy @ cy @ day @ day @ ea @ ea @	\$1.76 \$1.92 \$0.35 \$1.55 \$165.00 \$1.55 \$165.00 \$27.50 \$72.60	per cy = per cy = per cy = per day = per day = per day = per ea = per ea =		\$1,760.00 \$2,496.00 \$455.00 \$93.00 \$165.00 \$108.50 \$165.00 \$495.00 \$145.20	
Turnaround Roadside landing Landing Grade, ditch, & roll	2 1 1 21.50	ea @ ea @ ea @ sta @	\$90.75 \$181.50 \$345.40 \$39.70	per ea = per ea = per ea = per sta =	-	\$181.50 \$181.50 \$345.40 \$853.55	_
CULVERTS Culverts and Bands				<u>TOTAL</u>	<u>CONSTRUCTIO</u>	ON COSTS =	\$14,656.29
18" Diameter 24" Diameter Markers & Stakes	170 170	lf @ lf @	\$22.05 \$31.90	per lf = per lf =		\$3,748.50 \$5,423.00	
Culvert markers	8	ea @	\$12.00	per ea =	-	\$96.00	_

TOTAL CULVERT COSTS = \$9,267.50

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
Subgrade rock						
Subgrade reinforcement (17+00 to 19+30)	Pit-run	\$3.61	\$1.72	\$0.85	122	\$753.96
				Subtotal =	122	\$753.96
Surfacing rock						
Surfacing rock	4" - 0	\$9.72	\$1.72	\$1.35	1,419	\$18,149.01
Turnout	4" - 0	\$9.72	\$1.72	\$1.35	58	\$741.82
Turnaround	4" - 0	\$9.72	\$1.72	\$1.35	40	\$511.60
Roadside landing	4" - 0	\$9.72	\$1.72	\$1.35	95	\$1,215.05
Landing	4" - 0	\$9.72	\$1.72	\$1.35	180	\$2,302.20
				Subtotal =	1,792	\$22,919.68

All Rock =	1,914
4" - 0	1,792
Pit-run	122
	All Rock = 4" - 0 Pit-run

TOTAL ROCK COSTS = \$23,673.64

EROSION CONTROL			
Grass seed & fertilizer	1.24	ac @ \$1,324.00 per ac =	\$1,641.76
Straw mulch (bale)	2	ea @ \$11.00 per ea =	\$22.00

TOTAL EROSION CONTROL COSTS = \$1,663.76

TOTAL PROJECT COST = \$49,261.19

SUMMARY OF CONSTRUCTION COST

Timber Sale:	NW Slope			Sale N	Number: FG-341-2	2025-W01019-01
Road Segment:	V1 to V2			V	acating: 21+50	stations
					0.41	miles
PROJECT NO. 4: ROAD VAC	ATING					
Construct tank trap	1.00	ea @	\$60.50	per ea =	\$60.50	
Construct waterbar	4.00	ea @	\$30.25	per ea =	\$121.00	1
Rip dirt road surface	21.50	sta @	\$27.50	per sta =	\$591.25	
Rip & narrow landing	1.00	ea @	\$165.00	per ea =	\$165.00	1
Remove existing culverts	1.00	ea @	\$165.00	per ea =	\$165.00	1
Grass seed & fertilizer	0.24	ac @	\$1,241.00	per ac =	\$297.84	
Mulch	0.24	ac @	\$990.00	per ac =	\$237.60)
				<u>TOTAL</u>	PROJECT COST	<u>= \$1,638.19</u>

 Timber Sale:
 NW Slope
 Sale Number:
 FG-341-2025-W01019-01

PROJECT No's. 1, 2, 3 and 4 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS					
Equipment	Total				
Grader	\$322.00				
Loader (Med. & Large)	\$333.00				
Roller (smooth/grid) & Compactor	\$308.00				
Excavator (Large) - Equipment Cleaning	\$1,743.51				
Dozer (Large) - Equipment Cleaning	\$1,646.01				
Dump Truck (10cy +)	\$1,109.38				
Water Truck (1,500 Gal)	\$220.22				
	TOTAL MOVE-IN COSTS =	\$5,682.12			

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

	Timber Sale: Sale Number: Stockpile Name:	NW FG-341-202 Seven Ced	Slope 5-W01019-01 ars Stockpile	-	
	1 1/2" - 0:	3,299 cy	_(truck measu	ıre)	
То	tal truck yardage: _	3,299 cy	_		
Move-in					
Move in excavator					\$1,264.53
Move in loader					\$1,112.15
Move in Dump Trucks					\$525.00
				Subtotal =	\$2,901.68
				Per CY =	\$0.87
1 1/2"-0 Base Cost				_	
Load dump truck	\$0.90	/ cy x	3,299	_cy =	\$2,969.10
				Subtotal =	\$2,969.10
				Per CY =	\$0.90

1 1/2"-0 Cost = **\$1.77/cy**

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Tim	ber Sale:	NW	Slope				
Sale	Number:	FG-341-202	025-W01019-01				
Quar	ry Name:	Backwoo	ds Quarry	_			
	4" - 0:	12,029 cy	(truck measu	ure)			
	Rip-Rap:	48 cy	(truck measu	ure)			
	Pit-run	122 cy	(truck measu	ure)			
Stockp	oile (4"-0):	250 cy	(stockpile me	easure)			
Total truck	yardage:	12,509 cy	_				
Total in place	yardage: _	12,027 cy	_				
Overs	ize - Pile: _	.20 cy	_				
	Swell:	1.30 cy	_				
Cor	mpaction:	1.16 cy	_				
Move-in & Other Base Cost							
Quarry development & overbur	rden remov	/al			\$585.00		
Equipment cleaning & move in	excavator				\$1,962.24		
Equipment cleaning & move in	dozer				\$1,936.25		
Move in & setup drill					\$567.58		
Move in loader					\$843.55		
Move in & setup crusher					\$3,587.92		
Move in Dump Trucks	A74 50				\$478.44		
Gradation tests	\$71.50 /	2,000cy x	6	_tests =	\$429.00		
6 Test Drills & Drill Reports					\$792.00		
Clean up quarry					\$500.00		
				Subtotal =	\$11,681.98		
4"-0 Base Cost				PerCY = -	\$0.93		
Drill & shoot	\$2.80		11 845	cv =	\$33 166 00		
Push rock	\$0.80	/ CV X	15,398	_ cy =	\$12,318,40		
Oversize - Pile	\$0.80	/ cy x	3.079	 	\$2,463,20		
Load crusher	\$0.80	/ cv x	12.319	 cv =	\$9.855.20		
Crush (4" - 0)	\$3.30	/ cy x	12,029	 cv =	\$39,695.70		
Crush (Stockpile)	\$3.30	/ cy x	290	cy =	\$957.00		
Load dump truck	\$0.80	/ cy x	12,319	cy =	\$9,855.20		
					\$108,310.70		
				Per CY =	\$8.79		
Rip-rap Base Cost				_			
Drill & shoot	\$2.80	/ cy x	170	_cy =	\$476.00		
Push rock	\$0.80	/ cy x	170	_cy =	\$136.00		
Load dump truck	\$0.80	/ cy x	170	_cy =	\$136.00		
				Subtotal =	\$748.00		
				Per CY =	\$15.58		
				Total =	\$120,740.68		
Pit-run Base Cost				-			
Rip rock	\$2.30	/ cy x	93	_cy =	\$213.90		
Load dump truck	\$0.90	/ cy x	120	_cy =	\$108.00		
				Subtotal =	\$321.90		
				Per CY = _	\$2.68		

Pit-run Base Cost =	\$3.61/cy
4"-0 Base Cost =	\$9.72/cy
24" - 12" Rip-rap Base Cost =	\$16.51/cy

SUMMARY OF CONSTRUCTION COST

PROJECT NO. 3: STOCKPILE CONSTRUCTION

ROCK

	Rock Size	Base Cost \$/cy	Placement / Processing Cost \$/cy	Total CY	Rock Cost
Stockpile rock					
Stockpile	4" - 0	\$9.72	\$1.10	\$290.00	\$3,137.80
			Subtotal =	290	\$3,137.80
		·			

All Rock =	290
4" - 0 =	290

TOTAL PROJECT COST = \$3,137.80

CRUISE REPORT NW Slope #FG-341-2025-W01019-01

1. LOCATION:

Portions of Sections 9, 15, 16, and 17, T1N, R6W, W.M., Tillamook County, Oregon.

2. CRUISE DESIGN:

The timber cruise was designed using an estimated coefficient of variation (CV) of 60%, average stand diameter of 18 inches, sampling error (SE) of 10% and a minimum of 100 grade trees.

3. SAMPLING METHOD:

The Timber Sale Area was cruised in January of 2024 with variable radius grade plots using a 40 BAF prism. Unit 1 had 35 plots, Unit 2 had 17 plots, and Unit 3 had 14 Plots. Plots were laid out on a 5 chain x 5 chain grid for all units. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.

4. CRUISE RESULTS:

399 trees were measured and graded producing a cumulative sampling error of 6.0% on the Douglas-fir Basal Area and 6.1% on the Douglas-fir Net Board Foot Volume.

5. TREE MEASUREMENT AND GRADING:

All sample trees were measured and graded following the Official Log Scaling and Grading Rules as adopted by the NW Log Rules Advisory Group. Forty-foot segments were favored.

- a) **Height Standards:** Total tree heights were measured to the nearest foot. Bole heights were calculated to a six-inch top.
- b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
- c) Form Factors: Measured for each grade tree using a form point of 16 feet.

6. DATA PROCESSING:

- a) **Volumes and Statistics:** Cruise estimates and sampling statistics were derived from SuperAce 2008 cruise software.
- b) **Deductions:** The following percent volume deductions are by species to account for the hidden defect and breakage. For conifers two percent was deducted. For hardwoods five percent was deducted.

7. CRUISERS:

The sale was cruised by Shamus Smith.

Prepared by: Shamus Smith 3-13-2024

Reviewed by:	Mark Savage	4-10-2024
	-	Date

TC PS	TATS				PH Pl	ROJECT roject	STATIS	STICS SLOPE			PAGE DATE	1 4/11/2024
TWP	RGE	SC	TRACT		TYPE		AC	RES	PLOTS	TREES	CuFt	BdFt
01N	06	09	00U2		00MC			216.00	66	412	S	W
01N	06W	15	00U3		00MC							
01N	06W	16	00U1		00MC							
						70000		ESTIMATED	PI	ERCENT		
				(TD 1) [(TREES		TOTAL	S	AMPLE		
			PLOIS	TREES		PER PLOT		TREES		TREES		
ТОТ	AL		66	412		6.2						
CRU	ISE		66	412		6.2		26,279		1.6		
DBH	ODEST											
COU	INT											
BLA	NKS											
100 9	%											
					STA	ND SUMM	IARY					
		с <i>А</i>	MDIE	TDEEC	AVG	POLE	DEI	DAGAI	CROSS	NET	CROSS	NET
		5A ,	TREES	ACRE	АУС ПВЧ	DULE I FN	KEL DEN	DASAL	BE/AC	NET BE/AC	CE/AC	CE/AC
ייסת	IG FIP		374	22 5		171	12.0	105.0	28 272	38 19/	Q 110	£ 1/10
יוסם	G FIR-S		324 9	0 <i>3.3</i> 7 3	20.7	121 8/1	42.9	193.0	20,213	30,184	0,449	0,447
R AI	DER		60	28.5	15.5	90	9.4	37.Ì	4,985	4,982	1.254	1,254
R AL	DER-S		4	1.5	17.4	57	0.6	2.4	.,	.,	~, ·	-,
WHE	EMLOCK		12	5.2	15.5	91	1.8	6.9	1,101	1,087	256	256
NOB	FIR		3	.7	22.5	121	0.4	1.9	385	· 372	83	83
тот	AL		412	121.7	19.4	111	56.5	248.6	44,744	44,625	10,043	10,043
CL	68.1		COEFF			SAMPL	E TREES -	BF	# (OF TREES R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	I	LOW	AVG	HIGH		5	10	15
DOU	G FIR		58.1	3.2		642	663	685				
R AI	DER		50.9	6.6		192	206	219				
R AL	DER-S		0000	010		134	100	217				
WHE	MLOCK		86.7	26.1		267	361	455				
NOB	FIR		49.4	34.2		421	640	859				
TOT	AL		70.4	3.5		547	567	586		198	49	22
CL	68.1		COEFF			SAMPL	E TREES -	CF	# (OF TREES R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	.OW	AVG	HIGH		5	10	15
DOU	G FIR		50.8	2.8		139	143	147				
DOU	G FIR-S		51.1	<i>L L</i>		40	50	56				
R AL	DER-S		21.1	0.0		49	52	00				
WHE	MLOCK		80.4	24.2		62	82	102				
NOB	FIR		42.3	29.3		98	138	179				
TOT	AL		62.5	3.1		120	123	127		156	39	17
CL	68.1		COEFF			TREES/2	ACRE		# (OF PLOTS R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	.OW	AVG	HIGH		5	10	15
DOU	G FIR		73.0	9.0		76	84	91				
DOU	G FIR-S		275.7	33.9		1	2	3				
R AL	DER		180.1	22.2		22	28	35				
K AL	DEK-S MLOCV		427.4	52.6		1	1	2				
NOR	FIR		495 7	61.0		0	1	1				
TOT	AL		60.8	7.5		113	122	131		148	37	16
CL	68.1		COEFF			BASAL	AREA/ACT	RE	# 0)F PLOTS RI	EO.	INF. POP
SD:	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH	u C	5	10	15
DOUG	3 FIR		48.8	6.0		183	195	207				
DOUG	3 FIR-S		254.6	31.3		4	5	7				
R ALI	DER		169.8	20.9		29	37	45				

TC PST	TATS				PROJECT PROJECT	T STATI NW	STICS SLOPE			PAGE DATE	2 4/11/2024
TWP	RGE	SC	TRACT	TYF	Ъ	A	CRES	PLOTS	TREES	CuFt	BdFt
01N 01N 01N	06 06W 06W	09 15 16	00U2 00U3 00U1	00M 00M 00M	c c c		216.00	66	41	2 S	W
CL	68.1		COEFF	*****	BASAI	AREA/AG	CRE		# OF PLC	TS REO.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
R AL	DER-S		398.4	49.0	1	2	4				
WHE	MLOCK		299.0	36.8	4	7	9				
NOB	FIR		463.7	57.0	1	2	3				
тот	4L		37.5	4.6	237	249	260		56	14	6
CL	68.1		COEFF		NET B	F/ACRE			# OF PLOTS	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		49.4	6.1	35,866	38,184	40,502				
R AL	DER DER-S		177.2	21.8	3,896	4,982	6,068				
WHE	MLOCK		325.4	40.0	652	1,087	1,522				
NOB	FIR		465.5	57.2	159	372	585				
тот	4L		39.6	4.9	42,450	44,625	46,800		63	16	7
CL	68.1		COEFF		NET C	UFT FT/A	CRE		# OF PLOTS	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		48.7	6.0	7,944	8,449	8,955				
DOUG	G FIR-S										
R AL	DER		175.6	21.6	984	1,254	1,525				
R AL	DER-S										
WHE	MLOCK		320.3	39.4	155	256	357				
NOB	FIR		463.5	57.0	36	83	130				
тот	4L		38.8	4.8	9,564	10,043	10,522		60	15	7

TC	PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T T T	01N R06W S09 0 01N R06W S15 0 01N R06W S16 0	Ту00МС Ту00МС Ту00МС		60.00 51.00 105.00		Project: Acres	NWSLOPE 216.00									Page Date Time	4/1 7:] 1/202 37:24	24 AM
		%			·		Perce	ent of N	let Boa	rd Foot	Volume					Avera	ge Log	3	Logs
	S So Gr	Net	Bd. Ft	. per Acre		Total	I	.og Sca	ıle Dia.			Log	Length		Ln	Dia	Bd	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
RA	CU														16	14		0.00	.4
RA	CR	100	.1	4,985	4,982	1,076		72	26	2	4	6	2	87	35	9	111	0.80	45.1
RA	Totals	11	.1	4,985	4,982	1,076		72	26	2	4	6	2	87	35	9	110	0.80	45.5
RA	S CU														32	9		0.00	2.0
RA	Totals														32	9		0.00	2.0
DF DF DF DF	CU 2M 3M 4M	73 24 3	.3 .1	28,181 9,203 889	28,098 9,197 889	6,069 1,987 192		94 100	49 5	51 1	6 42	0 5 53	0 4	99 86 5	6 40 36 21	26 15 9 7	387 104 32	0.00 2.08 0.69 0.38	.1 72.6 88.7 27.8
DF	Totals	86	.2	38,273	38,184	8,248		25	37	38	2	3	1	94	35	11	202	1.26	189.2
DF	S CU						ļ								28	10		0.00	5.1
DF	Totals						ļ								28	10		0.00	5.1
NF NF NF	2M 3M 4M	79 17 4	4.2	310 63 13	297 63 13	64 14 3		100 100	40	60	50	50		100 100	40 40 19	15 9 8	363 112 38	1.87 0.80 0.55	.8 .6 .3
NF	Totals	1	3.4	385	372	80		20	32	47	2	2		97	36	12	217	1.34	1.7
WH WH WH	2M 3M 4M	45 50 5	2.6	498 558 45	498 544 45	108 117 10		94 100	63 6 32	37	39			100 100 61	40 39 25	15 8 7	355 98 38	1.94 0.63 0.38	1.4 5.6 1.2 8 1
** 11	1 01/215	2	1.5	1,101	1,007	235		51	52	17	2			20	51	,	1.57	0.05	0.1

тс	PSTNDSU	JM					Stand '	Fable St	ummary				Page Date:	1 1 4/11/20	24
T01N	R06W S0	9 Ty00MC		60	.00		Projec	t N	WSLOPH	E			Time:	7:37:2	5AM
T01N T01N	R06W SI R06W SI	5 Ty00MC 6 Ty00MC		105	.00		Acres		216.0)0			Grown Year:		
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	T o t a l s Cunits	MBF
DF	9	3	86	67	3.994	1.76	3.99	7.8	36.9	.89	31	147	193	68	32
DF	10	2	86	78	2.255	1.23	2.26	11.7	54.5	.75	26	123	163	57	27
DF	11	5	86	88	4.506	2.97	4.51	15.4	63.7	1.97	69	287	426	150	62
DF	12	4	85	92	3.079	2.42	3.08	18.5	/0.0 68 5	1,63	57	216	352	125	47 58
DF	13	4	86	103	3 303	3.63	5.94	21.8	91.2	3 13	110	460	675	237	99
DF	15	11	86	113	5.157	6.33	10.77	21.6	95.1	6.63	232	1.024	1,431	502	221
DF	16	14	86	115	5.851	8.17	11.70	25.8	108.2	8.60	302	1,267	1,857	652	274
DF	17	11	85	121	4.090	6.45	8.82	27.9	112.9	7.02	246	996	1,516	532	215
DF	18	4	86	127	1.380	2.44	3.46	30.1	115.0	2.97	104	397	641	225	86
DF	19	8	85	124	2.467	4.86	5.89	33.9	134.2	5.68	199	791	1,228	431	171
DF	20	22	86	129	6.145	13.41	16.50	35.4	146.9	16.62	583	2,423	3,591	1,260	523
OF	21	13	86	132	3,192	7.68	8.83	38.7	161.5	9.76	342	1,426	2,107	739	308
DF	22	19	86	134	4.418	11.66	12.79	41.6	184.4	15.14	531	2,358	3,271	1,148	509
DF	23	11	85	142	2.220	6.41	6.27	48.2	217.1	8.61	302	1,362	1,861	653	294
DF	24	39	85	138	7.360	23.12	20.63	51.5	228.0	30.29	1,063	4,703	6,543	2,296	1,010
JF DF	25	21	80 85	138	5.702	12.02	9.99	57.0 60.0	238.1	31.37	1 101	5 021	5,542	2 378	1 085
JF	20	16	86	137	2 350	9 34	6.88	63.1	273.9	12 38	434	2 032	2 674	938	439
JF JF	28	20	85	144	2.824	12.08	8.03	71.1	343.3	16.26	570	2,052	3.512	1.232	595
DF	29	8	86	145	1.064	4.88	3.04	76.7	386.4	6.66	234	1,176	1,438	504	254
DF	30	21	85	143	2.602	12.77	7.56	79.6	395.3	17.14	601	2,987	3,702	1,299	645
DF	31	5	85	142	.594	3.11	1.65	88.1	440.1	4.15	146	728	897	315	157
OF	32	7	85	139	.753	4.20	2.16	89.3	441.6	5.49	193	953	1,187	416	206
OF	33	1	85	142	.094	.56	.28	91.4	463,3	.73	26	130	158	55	28
DF	34	3	84	134	.318	2.00	.85	103.8	512.7	2.51	88	435	543	190	94
OF	35	1	85	134	.098	.65	.29	101.1	496.7	.85	30	146	183	64	31
OF	36	3	85	150	.266	1.88	.80	112.0	603.8	2.55	90	483	551	193	104
OF	37	1	84	130	.088	.65	.26	111.2	560.0	.83	29	147	180	63	32
DF DF	38 41	1	86 85	164 133	.083	.65	.25	139.7	790.0 746.7	.99	35 30	165	214 187	66	42 36
DF	Totals	324	86	121	83.535	194.98	189.07	44.7	202.0	240.81	8,449	38,184	52,015	18,251	8,248
RA	11	2	89	80	1.832	1.21	1.83	18.5	70.0	.93	34	128	202	73	28
A	12	3	88	83	2.247	1.76	2.25	21.2	82.6	1.31	48	186	282	103	40
RA	13	8	89	90	5.566	5.13	8.30	19.7	80.1	4.48	163	665	968	352	144
A	14	3	89	87	1.651	1.76	2.17	24.5	99.6	1.46	53	216	315	115	47
RA	15	12	88	89	6.151	7.55	9.72	25.3	- 105.6	6.75	246	1,026	1,459	530	222
RA	16	7	87	91	2.996	4.18	5.52	26.9	109.1	4.09	149	602	884	322	130
A	17	7	89	94	2.654	4.18	4.96	30.9	121.9	4.21	153	604	909	331	130
A	18	7	88	89 02	2.502	4.42	4.62	31.3 27.9	119.3	4.00	140	551 04	804	514	219
	20	1	80 80	100	.332	.00 2 6 1	.00 2 40	31.8 47 9	143.0	עס. רא כ	103	308	610	34 222	86
	20	4	88	94	774	1.86	1.55	45 7	173 5	1.05	71	269	421	153	58
A	23	1	79	80	.227	.65	.45	47.2	140.0	.59	21	63	127	46	14
EA	24	1	88	95	.177	.56	.35	59.2	235.0	.58	21	83	124	45	18
LA	26	1	89	101	.151	.56	.30	75.7	310.0	.63	23	93	136	49	20
RA	Totals	60	88	90	28.458	37.10	45.08	27.8	110.5	34.50	1,254	4,982	7,451	2,709	1,076
VН	10	1	86	82	1.019	.56	1.02	14.8	60.0	.48	15	61	104	33	13
VН	11	1	88	57	.842	.56	.84	13.4	60.0	.36	11	51	78	24	11
√Н	13	2	87	75	1.205	1.11	1.21	22.5	90.0	.87	27	108	187	59	23
VН	15	1	89	111	.453	.56	.91	25.1	105.0	.73	23	95	157	49	21
/H	16	1	87	109	.483	.67	.97	29.1	105.0	.90	28	101	195	61	22

ТС	PSTNDSU	JM				,	Stand 7	Table S	ummary				Page Date:	2 4/11/202	24
T01N T01N T01N	R06W S0 R06W S1 R06W S1	9 Ty00MC 5 Ty00MC 6 Ty00MC		60. 51. 105.	00 00 00		Project Acres	t N	WSLOPF 216.0	E 10			Time: Grown Year	7:37:25	5AM
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Averag Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	T o t a l s Cunits	MBF
WH WH WH WH WH	18 21 22 23 25 31	1 1 1 1 1	85 85 86 85 85 85	125 126 127 120 131 117	.314 .231 .210 .193 .163 .129	.56 .56 .56 .56 .56 .56	.94 .69 .42 .39 .49 .26	25.9 36.4 56.4 62.2 51.6 114.4	103.3 153.3 255.0 275.0 233.3 540.0	.78 .81 .76 .77 .81 .94	24 25 24 24 25 29	97 106 107 106 114 139	169 174 164 166 175 204	53 54 51 52 55 64	21 23 23 23 25 30
WH NF NF NF	Totals 19 24 28	12 1 1 1	87 89 89 92	91 114 125 135	5.242 .343 .215 .130	6.90 .67 .56	8.13 .69 .64 .39	31.5 38.8 47.8 64.8	133.7 155.0 223.3 313.3	8.20 .64 .74 .61	256 27 31 25	1,087 106 144 122	1,772 138 160 131	554 57 66 55	235 23 31 26
NF DF S DF S DF S DF S DF S DF S DF S	Totals 16 17 18 21 24 25 26	3 1 1 1 1 2 2 1	90 86 85 85 85 85 85 86 85	121 120 62 92 36 100 49 122	.687 .468 .352 .314 .231 .354 .361 .177	1.90 .65 .56 .56 1.11 1.23 .65	1.72	48.1	216.5	1.98	83	372	428	178	80
DF S RA S RA S RA S	Totals 15 17 29 Totals	9 2 1 1	85 89 89 89	84 43 82 91	2.258 .985 .352 .147	5.32 1.21 .56 .67									
Totals		412	86	111	121.664	248.64	244.00	41.2	182.9	285.49	10,043	44,625	61,666	21,692	9,639

TC PLO)GSTVB				Log S	Stock Ta	ıble -	MBF									
T01N R	.06W S09 T	y00MC	6	0.00	Proje	ect:	NW	SLOPE						Page		1	
T01N R	.06W S15 T	y00MC	5	1.00	Acre	s		216	.00					Date Time	4/1 7:3	1/2024 37:23AM	
101N R	106W S16 1	y00MC		5.00	T												
Snn T	So Gr	Log Len	Gross	Def Net % MBE	% Snc	2.2	N	Vet Volu	ne by S	caling D	liamete	r in Inche	16-19	20-23	24-29	30-39 25-	+
Shb 1		16	MDF	70 WIDF	spe	2-3	4-3	13	0-9	10-11	12-15	14-13	10-19	20-23	24-27	30-39 23	
RA DA	CR	10	12		1.1			12				12					
RA	CR	20	8	8	.7			8									
RA	CR	20	13	13	1.2			13									
RA	CR	24	14	14	1.3			14									
RA	CR	26	7	7	.6			7									
RA	CR	28	18	18	1.6			18									
RA	CR	30	15	15	1.4			13	3								
RA	CR	32	13	13	1.2			13									
RA	CR	. 34	13	13	1.2			13									
RA	CR	. 36	19	19	1.8			19									
RA	CR	. 38	9	9	.8			9									
RA	CR	. 40	913	912	84.8			40	255	332	167	85	33				
RA	Totals	5	1,077	1,076	11.2			190	257	332	167	97	33				
DF	2M	[28	20	20	.2										20		20
DF	2M	(34	14	14	.2						14						
DF	2M	36	90	90	1.1						59	23	7				
DF	2M	38	153	152	1.8						56	16	69	10			
DF	2M	[40	5,811	5,794	70.2						935	1107	2623	997	131		92
DF	3М	12	16	16	.2						12	2	2				
DF	3M	14	12	12	.1					5	7						
DF	3М	16	33	33	.4					27	6						
DF	3M	18	18	18	.2					13	5	-					
DF	3М	20	34	34	.4				4	26	5			2			
DF	3М	22	14	14	.2				6	3	5						
DF	3М	24	31	31	.4				14	11	6						
DF	3M	26	21	21	.3				7	15							
DF	3M	28	16	16	.2				3	10	3	e					
DF	3M	30	17	1.1 17	.2			20	2	4	4	3					
DF	3M	32	42	42	.5			86		4							
DF	5M		30	30	.4			20			Q						
DF	2M		42	42	.)			23		6	9						
DF	31VI 3M	40	1,625	1,624	.5 19.7			312	368	910	20			14			
DE		12		20	5			4	10	2.4							
DF	41/1	14	58	30					5	2. Q							
DF	4M 4M	14 16	17	17	.2			4 6	, 8	0							
	1/17	10			.~				-					l			

	TC PLC)GSTVB					Log S	Stock Table -	MBF									
	T01N R T01N R T01N R	06W S09 T 06W S15 T 06W S16 T	700MC 700MC 700MC	60 51 105	0.00 .00 5.00		Proje Acre	eet: NW s	SLOPE 216	.00					Page Date Time	4/1 7:3	2 1/2024 37:23A	м
	s	So Gr	Log	Gross	Def	Net	%		Net Volur	ne by S	Scaling I	liamete	r in Inch	es	·····			
	Spp Т	rt de	Len	MBF	%	MBF	Spc	2-3 4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	25+
	DF	4M	18	8	,	8	.1		3	3	2							
	DF	4M	20	5		5	.1		5									
	DF	4M	22	11		11	.1		11									
	DF	4M	24	9		9	.1		9									
	DF	4M	26	18		18	.2		18									
	DF	4M	28	16		16	.2		16									
	DF	4M	30	48		48	.6		48									
	DF	4M	36	3		3	.0		3									
	DF	4M	40	6		6	.1		6									
	DF	Totals		8,267		8,248	85.6		568	431	1068	1154	1153	2702	1021	151		112
	NF	2M	40	67	4.2	64	79.7					18	8	21	17			
	NF	3М	40	14		14	16.8		5		8							
	NF	4M	14	1		1	1.7				1							
,	NF	4M	22	1		1	1.7		1									
	NF	Totals		83	3.4	80	.8		7		10	18	8	21	17			
	WH	2M	40	108		108	45.9					21	31	33	23			
	WH	3M	36	19		19	8.0		19									
	WН	3M	40	102	3.1	99	42.1		19	22	51	7						
	WH .	4M	12	1		1	.6				1							
	WН	4M	14	1		1	.6		1									
	WН	4M	20	1		1	.4		1									
	WН	4M	40	6		6	2.5		6									
-	WH	Totals		238	1.3	235	2.4		46	22	52	27	31	33	23			
	Total	All Specie	3	9,665		9,639	100.0		811	710	1462	1366	1289	2789	1062	151		112

TC PSTATS			PR PR	OJECT S	STATIS NWS	STICS SLOPE			PAGE DATE	1 3/12/2024
TWP RGE	SC TRACT		ТҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt
01N 06	16 00U1		00MC			105.00	35	227	S	W
	DI OTS	TDEEC		TREES		ESTIMATED TOTAL	P	ERCENT SAMPLE		
	PLOIS	IKEES		PERFLOI		IKELS		TKEES		
TOTAL CRUISE DBH COUNT REFOREST COUNT	35 35	227 227		6.5 6.5		13,528		1.7		
BLANKS										
100 %										
			STA	ND SUMMA	ARY					
	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	186	95.0	20.3	122	47.2	212.6	41,460	41,402	9,191	9,191
DOUG FIR-S	6	2.9	20.8	72	1.5	6.9				
R ALDER	22	19.4	15.4	91	6.4	25.1	3,541	3,541	876	876
R ALDER-S	2	1.7	15.9	68	0.6	2.3				
WHEMLOCK	10	9.5	14.8	89	3.0	11.4	1,741	1,741	409	409
NOB FIR	1	.3 0 0 1 1	28.0	135	0.2 50.2	1.1 250 A	278 47 020	46 935	10 528	10 528
CL 68.1	58.1 TIMES OU' COEFF	T OF 100 THE	E VOLUME	WILL BE W	TREES -	HE SAMPLE E	RROR #	OF TREES R	EQ.	INF. POP.
SD: 1.0	VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOUG FIR	54.9	4.0		599	624	650				
DOUG FIR-S R ALDER	57.2	12.5		194	221	249				
R ALDER-S WHEMLOCK	78.0	25.9		225	304	383				
NOB FIR TOTAL	65.2	4.3		527	551	574		170	42	19
CL 68.1	COEFF			SAMPLE	TREES -	CF	#	OF TREES R	EQ.	INF. POP.
SD: 1.0	VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOUG FIR	48.7	3.6		131	135	140				
DOUG FIR-S R ALDER	57.5	12.5		48	55	62				
WHEMLOCK	74.7	24.9		53	70	88				
TOTAL	58.9	3.9		116	120	125		138	35	15
CL 68.1	COEFF			TREES/A	CRE		#	OF PLOTS R	EQ.	INF. POP.
SD: 1.0	VAR.%	S.E.%	L	WC WC	AVG	HIGH		5	10	15
DOUG FIR	74.9	12.7		83	95	107				
R ALDER	233.0 195.2	39.0 33.0		13	19	26				
R ALDER-S	415.5	70.2		0	2	3				
WHEMLOCK	262.9	44.4		5	10	14				
NOB FIR	591.6	99.9		0	0	1				
TOTAL	61.1	10.3		116	129	142		149	37	17
CL 68.1	COEFF			BASAL A	REA/ACI	RE	#	OF PLOTS RI	EQ.	INF. POP.
SD: 1.0	VAR.%	S.E.%	LC	OWWC	AVG	HIGH		5	10	15
DOUG FIR	44.4	7.5		197	213	229				
DOUG FIR-S	223.1	37.7		4	7	9				
R ALDER	412.1	69.6		1	23	4				

TC PST	ATS				PROJECT	Γ STATI	STICS			PAGE	2
					PROJECT	NW	SLOPE			DATE	3/12/2024
TWP	RGE	SC	TRACT	TYI	РЕ	A	CRES	PLOTS	TREES	CuFt	BdFt
01N	06	16	00U1	00M	С		105.00	35	227	S	W
CL	68.1		COEFF		BASAI	AREA/AG	CRE		# OF PLOTS	REQ.	INF. POP
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
WHEN	MLOCK		248.5	42.0	7	11	16				
NOB I	FIR		591.6	99.9	0	1	2				
ΤΟΤΑ	L		39.8	6.7	242	259	277		63	16	7
CL	68.1		COEFF		NET B	F/ACRE			# OF PLOTS RE	Q.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUC	FIR		44.8	7.6	38,268	41,402	44,536				
DOUG	FIR-S										
R ALI	DER		190.1	32.1	2,404	3,541	4,677				
R ALI	DER-S										
WHEN	MLOCK		278.7	47.1	921	1,741	2,560				
NOB I	FIR		591.6	99.9	0	251	502				
ΤΟΤΑ	L		41.9	7.1	43,611	46,935	50,259		70	18	8
CL	68.1		COEFF		NET C	UFT FT/AG	CRE		# OF PLOTS RE	Q.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUG	FIR		43.8	7.4	8,511	9,191	9,871				
DOUG	FIR-S										
R ALE	DER		190.6	32.2	594	876	1,157				
R ALE	DER-S										
WHEN	ALOCK		274.6	46.4	219	409	598				
NOB F	FIR		591.6	99.9	0	52	104				
тота	L		40.8	6.9	9,802	10,528	11,253		66	17	7

TC	PSPCSTGR		S	pecies, S	ort Gra	de - Board I	Foot V	⁷ olum	es (Pr	oject	;)								
ТО	1N R06W S16	Гу00МС		105.00		Project: Acres	NV	VSLO 105.0	PE 00							Page Date Time	3/2 2 11	1 12/202 :55:0	24 7AM
		%					Perc	cent of 1	Vet Boar	d Foot	Volume				Т	Aver	age Log		Logs
	S So Gr	Net	Bd. Ft	. per Acre		Total	-	Log Sc	ale Dia.			Log	Length		Ln	Dia	Bd	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DE	214	71	2	20.480	20 421	3 000			52	48				100	40	15	376	2.03	78.2
DF	21VI 3M	26	.2	11 032	11 032	1,158		96	4	40	5	6	3	86	36	9	103	0.68	107.1
DF	4M	3		939	939	1,158		100	Т		50	50	5	00	20	7	31	0.39	30.0
DF	Totals	88	1	41 460	41 402	4 347	1	28	38	34	3	3		94	35	11	192	1.21	215.3
DE	e cu			11,100		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	+					_			20	10		0.00	57
DF	s (U													·	2)	10		0.00	5.7
DF	F Totals														29	10		0.00	5.7
WH WH WH	2M 3M 4M	46 48 6		803 846 92	803 846 92	84 89 10		100 100	81	19	39			100 100 61	40 39 25	14 8 7	306 92 38	1.74 0.57 0.38	2.6 9.2 2.4
wн	Totals	4		1,741	1,741	183		54	37	9	2			98	37	9	123	0.79	14.2
RA	CR	100		3,541	3,541	372		72	23	5	3	7	2	88	35	9	112	0.81	31.5
RA	Totals	8		3,541	3,541	372		72	23	5	3	7	2	88	35	9	112	0.81	31.5
RA	S CU														34	9		0.00	2.4
RA	Totals														34	9		0.00	2.4
NF NF	NF 2M 94 10.1 265 238 23 NF 4M 6 13 13 13 13 NF Totals 1 9.6 278 251 25							100	33	67	100			100	40	17 11	445 50	2.28	.5 .3
INF	1 otais	1	9.0	218	251	20	+	5	51	04				<i>y</i> 5	51	1.5	515	2.07	.0
Tota	ls		0.2	47,020	46,935	4,928		32	37	31	3	3	1	94	35	10	174	1.11	269.9

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TC	PSTNDSU	M				S	Stand 7	Fable St	ummary				Page Date:	1 3/12/20	24
T01N	R06W S1	6 Ty00MC		105.	00		Projec	t N	WSLOPI	£			Time:	11:55:0	8AM
							Acres		105.0	00			Grown Year	:	•
S Spc Т	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	Totals Cunits	MBF
DF	9	2	85	66	5.174	2.29	5.17	7.6	35.0	1.13	40	181	118	41	19
DF	10	1	86	90	2.095	1.14	2.10	12.8	60.0	.76	27	126	80	28	13
DF	11	3	86 85	91 97	5.195 2.910	3.43 2.29	5.20 2.91	15.8	56.7 70.0	1.54	82 54	204	162	57	21
DF DF	13	2	86	96	2.480	2.29	3.72	17.3	66.7	1.83	64	248	193	68	26
DF	14	3	86	113	3.207	3.43	5.35	21.2	90.0	3.22	113	481	339	119	51
DF	15	9	86	115	8.382	10.29	17.69	21.7	96.3	10.94	384	1,704	1,148	403	. 179
DF	16	10	86 0 <i>4</i>	116	8.185	0.14	16.37	25.9	108.0	12.06	423 364	1,768	1,267	383	150
DF	1/	ъ 2	85 85	121	1.293	2.29	3.23	30.3	114.0	2.79	98	369	293	103	39
DF	19	4	86	121	2.322	4.57	5.22	34.2	132.2	5.09	179	691	535	188	. 73
DF	20	11	85	128	5.762	12.57	15.19	36.0	147.6	15.58	547	2,242	1,635	574	235
DF	21	9	86	133	4.276	10.29	11.88	38.6	162.8	13.08	459	1,934	1,373	482	203
DF	22	9	86	138	3.896	10.29	11.26 8 71	42.1	188.5	13.52	474 121	2,121	1,419 1 270	498 445	223
	23 24	ъ 25	85 85	142 137	5.169 9.095	28.57	0.71 24.74	52.0	220.0	36.69	1,287	5,722	3,852	1,352	601
DF	25	13	86	144	4.358	14.86	12.40	56.4	256.5	19.94	700	3,182	2,094	735	334
DF	26	19	85	138	5.889	21.71	16.43	60.7	276.4	28.43	998	4,541	2,986	1,048	477
DF	27	12	86	140	3.449	13.71	10.35	61.6	290.6	18.15	637	3,007	1,906	669	316
DF	28	11	85	145	2.940	12.57	8.55	70.0	343.1	17.05	598	2,935	1,790	628	308
DF	29	4	85	150	.997	4.57	2.99	75.2	384.2 403.1	6.41 17.09	600	1,149	1.795	630	315
JF DF	31	2	85	140	.436	2.29	1.31	83.0	420.0	3.09	109	549	325	114	58
DF	32	4	85	135	.819	4.57	2.25	90.9	446.4	5.83	205	1,005	612	215	105
OF	33	1	85	142	.192	1.14	.58	91.4	463.3	1.50	53	267	158	55	28
OF	36	1	84	130	.162	1.14	.49	101.7	506.7	1.41	49	246	148	52	26
OF	Totals	186	86	122	95.046	212.57	215.31	42.7	192.3	261.95	9,191	41,402	27,505	9,651	4,347
RA	11	1	88	80	1.732	1.14	1.73	18.5	70.0	.88	32	121	93	34	13 28
RA	12	2	88	90 03	2,910	2.29	2.91	16.5	90.0 75.0	1.82	41	186	191	43	20
RA RA	13	2	89	97	2.138	2.29	3.21	24.1	103.3	2.12	77	331	223	81	35
RA	15	3	88	85	2.794	3.43	4.66	23.6	98.0	3.03	110	456	318	116	48
RA	16	4	88	91	3.274	4.57	6.55	25.0	102.5	4.51	164	671	473	172	70
RA	17	4	89	92	2.900	4.57	5.08	32.0	127.1	4.46	162	645 342	468	170	68 36
RA	18	2	89	104 97	1.293	2.29	2.59	35.3 44 1	132.5	2.51	42	343 162	121	90 44	17
	24	1	88	95	.364	1.14	.73	59.2	235.0	1.18	43	171	124	45	18
RA	26	1	89	101	.310	1.14	.62	75.7	310.0	1.29	47	192	136	49	20
RA	Totals	22	88	91	19.430	25.14	31.49	27.8	112.4	24.08	876	3,541	2,528	919	372
WH	10	1	86	82	2.095	1.14	2.10	14.8	60.0	.99	31	126	104	33	13
WН	11	1	88	57	1.732	1.14	1.73	13.4	60.0	.74	23	104	78	24	11
WН	13	2	87	75	2.480	2.29	2.48	22.5	90.0	1.78	56	223	187	59	23
ин 🛛	15	1	89	111	.931	1.14	1.86	25.1	105.0	1.50	47 50	196 200	157	49	21
WH WH	18 21	1	85 85	125	.047	1.14	1.94	36.4	153.3	1.66	52	200	174	54	23
WH I	22	1	86	127	.433	1.14	.87	56.4	255.0	1.56	49	221	164	51	23
wн	23	1	85	120	.396	1.14	.79	62.2	275.0	1.58	49	218	166	52	23
WН	25	1	85	131	.335	1.14	1.01	51.6	233.3	1.66	52	235	175	55	25
WH	Totals	10	87	89	9.524	11.43	14.20	28.8	122.6	13.08	409	1,741	1,374	429	183
NF	28	1	92	135	.267	1.14	.80	64.8	313.3	1.25	52	251	131	55	26

ТС	PSTNDSU	М				Ĩ	Stand 7	Fable Si	ummary				Page Date:	2 3/12	2 /2024	
T01N	R06W S1	6 Ty00MC		105.	00		Project Acres	t N	WSLOPH 105.0	E 10			Time: Grown Year	11:5 :	5:08A	М
S Spc T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Net Cu.Ft.	e Log Net Bd.Ft.	Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Tons	T o t a l s Cunits	М	IBF
NF	Totals	1	92	135	.267	1.14	.80	64,8	313.3	1.25	52	251	131		55	26
DF S DF S	17 18	1	85 85	62 92	.725 .647	1.14 1.14										
OF S OF S OF S	21 24 25	1 2 1	85 85 85	36 100 45	.475 .728 .335	1.14 2.29 1.14										
DF S	Totals	6	85	72	2.910	6.86										
RA S RA S	15 17	1 1	89 89	57 82	.931 .725	1.14 1.14										
RA S	Totals	2	89	68	1.656	2.29										
		227	86	113	128 834	259 43	261.80	40.2	1793	300 36	10 528	46.935	31.538	11.0	054	4.928

TC F	PLO	GSTVB				Log S	Stock []	lable -	MBF									
TOIN	I R()6W S16 T <u>y</u>	y00MC	105	.00	Proje Acre	ect: s	NW	SLOPE 105	5.00					Page Date Time	3/1 11:	1 2/2024 55:06A]	м
	s	So Gr	Log	Gross	Def Net	%		1	<u>Vet Volu</u>	me by S	Scaling D	iamete	r in Inch	es			, ,	
Spp	т	rt de	Len	MBF	% 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		2M	1 36	56	56	1.3						35	14	7				
DF		2M	1 38	54	54	1.3						7	7	40				
DF		2M	1 40	2,986	2,980	68.5						544	538	1427	453	17		
DF		3M	1 12	9	9	.2						7	2					
DF		3M	1 14	7	7	.2					5	2						
DF		3M	1 16	18	18	.4					18							
DF		3M	1 18	7	7	.2					5	2						
DF		3M	1 20	22	22	.5				4	14	5						
DF		3M	1 22	14	14	.3				6	3	5			1			
DF		3M	1 24	26	26	.6				12	8	6						
DF		3M	1 26	13	13	.3				4	9							
DF		3M	1 28	12	12	.3				3	6	3						
DF		3M	1 30	5	5	.1				5								
DF		3M	í 32	20	20	.5			20									
DF		3M	[34	10	10	.2			10									
DF		3M	1 36	21	21	.5			21									
DF		3M	[38	29	29	.7			14		6	9						
DF		3М	[40	946	946	21.8			203	152	587	5						
DF		4M	12	17	17	.4			2	8	7							
DF		4M	[14	14	14	.3			2	5	6							
DF		4M	16	9	9	.2			1	8								
DF		4M	[18	7	7	.2			2	3	2							
DF		4M	20	3	3	.1			3									
DF		4M	22	3	3	.1			3									
DF		4M	24	3	3	.1			3									
DF		4M	26	13	13	.3			13									
DF		4M	28	6	6	.1			6									
DF		4M	30	24	24	.6			24						ļ			
DF		Totals		4,353	4,347	88.2			327	208	677	629	561	1475	453	17		
WH		2M	40	84	84	46.1						21	31	33				
WH		3M	36	19	19	10.2			19									
WН		3M	40	70	70	38.4			13	22	35							
WН	ł	4M	12	1	1	.8					1							
WH		4M	14	-	1	.7			1									
WH		4M	20	1	1	.5			1									
				Ĵ	Ĵ													

TC PLC	GSTVB			Log	Stock Table -	MBF									
T01N R	06W S16 Ty00MC	C 10:	5.00	Proj Acre	ect: NW s	SLOPE 105	5.00					Page Date Time	3/1 11:	2 2/2024 55:06A	M
s	So Gr Log	Gross	Def Net	%]	<u>Yet Volu</u>	me by S	Scaling Di	amete	r in Inch	es				
Spp Т	rt de Len	MBF	% MBF	Spc	2-3 4-5	6-7	8-9	10-11 1	2-13	14-15	16-19	20-23	24-29	30-39	40+
WH	Totals	183	183	3.7		40	22	37	21	31	33				
RA	CR 16	5 4	4	1.1		4									
RA	CR 18	3 3	3	.7		3									
RA	CR 20	3	3	.8		3									
RA	CR 22	2 7	7	2.0		7									
RA	CR 24	8	8	2.1		8									
RA	CR 26	5 3	3	.8		3									
RA	CR 28	3 7	7	1.8		7									
RA	CR 30	3	3	.7			3								
RA	CR 32	. 9	9	2.5		9									
RA	CR 36	4	4	1.1		4									
RA	CR 38	5	5	1.3		5									
RA	CR 40	317	317	85.2		13	71	128	58	14	33				
RA	Totals	372	372	7.5		65	74	128	58	14	33				
NF	2M 40	28	10.1 25	94.7						8		17			
NF	4M 14	1	1	5.3				1							
NF	Totals	29	9.6 26	.5				1		8		17			
Total	All Species	4,937	4,928	100.0		432	304	843	707	615	1540	470	17		

TC PS	TATS				PR PF	ROJECT ROJECT	STATIS	STICS SLOPE			PAGE DATE	1 3/12/2024
TWP	RGE	SC	TRACT		ТҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt
01N	06	09	00U2		00MC			60.00	17	108	S	W
					<u></u>	TREES		ESTIMATED TOTAL	P	ERCENT SAMPLE		
			PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	AL		17	108		6.4						
CRU	ISE		17	108		6.4		8,913		1.2		
REFO	DREST											
COU	NT											
BLAI	NKS											
100 %	6											
					STA	ND SUMM	IARY					
		S	AMPLE TRFES	TREES /ACRE	AVG DBH	BOLE	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOU	G FIR		69	78.6	19.5	116	36,8	162.4	31,480	31,421	6,933	6,933
DOU	G FIR-S		2	2.3	19.3	121	1.1	4.7	,	.,	-,	,
R AL	DER		36	65.7	15.4	89	21.6	84.7	11,309	11,299	2,872	2,872
R AL	DER-S		1	1.9	15.0	32	0.6	2.4				
TOT	AL		108	148.6	17.7	103	60.4	254.1	42,789	42,720	9,804	9,804
CON	IFIDENC	E LIM 8.1	IITS OF THE TIMES OUT	E SAMPLE 1 OF 100 THE	VOLUME	WILL BE	WITHIN TI	HE SAMPLE E	ERROR			
CL	68.1		COEFF			SAMPL	E TREES -	BF	#	OF TREES RI	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	.OW	AVG	HIGH		5	10	15
DOU	GFIR		71.6	8.6		616	674	732				
R AL	DER DER-S		44.9	7.5		184	199	213				
тот	AL		91.7	8.8		453	497	541	s	336	84	37
CL	68.1		COEFF			SAMPL	E TREES -	CF	#	OF TREES RI	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	LOW	AVG	HIGH		5	10	15
DOU	G FIR		63.4	7.6		133	143	154				
R AL	DER		46.7	7.8		47	51	55				
R AL	DER-S											
TOT	AL		80.5	7.7		100	109	117		259	65	29
CL	68.1		COEFF			TREES/	ACRE		#	OF PLOTS RI	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	.OW	AVG	HIGH		5	10	15
DOUG	G FIR		79.6	19.9		63	79	94				
R ALI	DER		103.1	25.8		49	66	83				
R ALI	DER-S		412.3	103.0			2	4				
TOTA	4L		52.8	13.2		129	149	168		118	30	13
CL	68.1		COEFF			BASAL	AREA/AC	RE	#	OF PLOTS RI	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOUG	G FIR		64.3	16.1		136	162	188				
R ATT	j fik-S DER		282.3 95.7	70.5 23.9		1 64	5 85	° 105				
R ALI	DER-S		412.3	103.0			2	5				
TOTA	AL		37.7	9.4		230	254	278	-	60	15	7
CL	68.1		COEFF			NET BE	ACRE		#	OF PLOTS RE	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOUC	G FIR		63.3	15.8		26,457	31,421	36,386				
DOUC	J FIR-S		102.0	25.5		8 4 1 9	11 299	14.178				
R ALI	DER-S		102.0	20.0		- ,	,=					

TC PST	ATS				PROJEC' PROJECT	T STATI NW	STICS SLOPE]	PAGE DATE	2 3/12/2024
TWP	RGE	SC	TRACT	TYP	E	A	CRES	PLOTS	TREES	CuFt	BdFt
01N	06	09	00U2	00MC	2		60.00	17	108	S	W
CL	68.1		COEFF		NET E	BF/ACRE			# OF PLOTS	REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
ΤΟΤΑ	L		37.7	9.4	38,698	42,720	46,742		60	15	7
CL	68.1		COEFF		NET C	CUFT FT/A	CRE		# OF PLOTS RE	Q.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOUC	FIR		64.4	16.1	5,817	6,933	8,048				
DOUC	FIR-S										
R ALI	DER		99.4	24.8	2,159	2,872	3,584				
R ALI	DER-S										
ΤΟΤΑ	L		38.2	9.5 '	8,868	9,804	10,740		62	16	7

,

T01N I	R06W S09 1	Гу00МС		60.00		Project:		NW	SLO	PE							Page	2.4	1	
						Acres			60.	00							Date Time	3/J 12	:00:45	24 5PM
		%				1		Perce	ent of l	Vet Boar	d Foot	Volume					Avera	ige Log	;	Logs
8	S So Gr	Net	Bd. Ft.	per Acre		Total		L	.og Sc	ale Dia.			Log	Length		Ln	Dia	Bd	CF/	Per
Spp 7	T rt ad	BdFt	Def%	Gross	Net	Net MBF		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
RA	CR	100	.1	11,309	11,299		678		73	27		3	6	2	89	35	9	110	0.80	103.
RA To	tals	26	.1	11,309	11,299		678		73	27		3	6	2	89	35	9	110	0.80	103.
RA S	CU															25	8		0.00	1.
RA To	otals															25	8		0.00	1.
DF	2М	71	2	22 486	22 442	1	346			50	50			1	99	40	16	398	2.10	56.4
DF	21vi 3M	25	.2	8.034	8,020		481		98	2	50	5	5	3	87	37	8	101	0.66	79.
DF	4M	4		960	960		58		100			6	78		16	27	6	36	0.34	26.
DF To	tals	74	.2	31,480	31,421	1	1,885		28	36	35	1	4	2	93	37	10	193	1.16	162.
DF S	CU															30	10		0.00	7.
DF Tot	tals															30	10		0.00	7.
Totals			0.2	42,789	42.720	2	2.563		40	34	26	2	4	2	92	36	10	155	1.00	274.8

тс	PSTNDSU	М				ļ	Stand [Table Si	ummary				Page Date:	1 3/12/202	24
T01N	R06W S0	9 Ty00MC		60	00		Projec	t N	WSLOPI	2			Time:	12:00:40	5PM
							Acres		60.0	00			Grown Year:		
s		Comple	FF	Tot	Trees/	RA/	Loge	Average Net	e Log Net	Tons/	Net	Net Bd Et		Totals	
Spc Т	DBH	Trees	гг 16'	Av Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF	9	1	88	70	5.326	2.35	5.33	8.2	40.0	1.24	44	213	75	26	13
DF	11	2	86	86	7.131	4.71	7.13	14.8	60.0	3.01	106	428	181	63	26
DF	12	2	80	8/	5.992	4.71	5.99	18.5	70.0	3.17	111	419 536	224	79	32
DF	14	2	86	93	6 603	7.06	8.80	22.4	92.5	5.62	197	814	337	118	49
DF	15	1	87	97	1.917	2.35	3.83	19.6	75.0	2.14	75	288	128	45	17
DF	16	4	86	115	6,741	9.41	13.48	25.6	108.8	9.85	345	1,466	591	207	88
DF	17	1	86	117	1.493	2.35	1.49	41.1	180.0	1.75	61	269	105	37	16
DF	18	1	86	121	1.331	2.35	2.66	36.1	135.0	2.74	96	360	164	58	22
DF	19	3	85	128	3.585	7.06	8.37	35.7	145.7	8.51	299	1,219	511	179	73
DF	20	6	86	132	6.471	14.12	18.33	34.0	146.5	17.76	623	2,685	1,066	374	161
DF	21	1	86	148	.978	2.35	2.93	39.8	176.7	3.33	117	518	200	70	31
DF	22	4	86	136	3.565	9.41	10.70	41.1	181.7	12.54	440	1,943	753	264	117
DF	23	3	85	143	2.447	7.06	7.34	47.1	211.1	9.85	346	1,549	591	207	93
DF	24	10	86	144	7.490	23.53	22.47	50.7	225.0	32.47	1,139	5,056	1,948	684	303
DF	26	5	86	137	3.191	11.76	8.93	61.9	277.9	15.76	553	2,482	945	332	149
DF	27	1	86	146	.392	2.35	1.78	65.9	310.7	16.03	562	2 680	200	337	161
DF	28	2	85 86	140	1.026	4.71	3.08	08.1 74.4	378 3	6.53	229	2,080	392	137	70
DF	30	4	85	147	1.020	9.41	5.00	75.7	372.5	12 40	435	2 143	744	261	129
DF	31	1	85	152	449	2.35	1.35	89.0	443.3	3.42	120	597	205	72	36
DF	32	2	84	145	.843	4.71	2.53	87.9	435.0	6.33	222	1,100	380	133	66
DF	34	-	85	130	.373	2.35	.75	133.0	650.0	2.83	99	485	170	60	29
DF	35	1	85	134	.352	2.35	1.06	101.1	496.7	3.05	107	525	183	64	31
DF	36	1	86	166	.333	2.35	1.00	126.9	683.3	3.61	127	682	217	76	41
DF	37	1	84	130	.315	2.35	.95	111.2	560.0	3.00	105	529	180	63	32
DF	38	1	86	164	.299	2.35	.90	139.7	790.0	3.57	125	708	214	75	42
DF	Totals	69	86	116	78.616	162.35	162.83	42.6	193.0	197.58	6,933	31,421	11,855	4,160	1,885
RA	11	1	89	80	3.565	2.35	3.57	18.5	70.0	1.82	66	250	109	40	15
RA	12	1	89	72	2,996	2.35	3.00	18.5	70.0	1.53	56	210	92	33	13
RA	13	7	89	90	17.869	16.47	25.53	20.2	81.0	14.17	515	2,068	850	309	124
RA	14	l	89	69	2.201	2.35	2.20	25.4	90.0	1.54	56	198	92	34	12
RA	15	9 2	88 92	90 00	5 054	21.18	20.84 8.12	20.6	107.9	19.01	071 240	2,895	1,141	415	60
КА ра	10	3	00 88	92 96	5.050 4 478	7.00	0.43 8.96	29.0 29.8	116.0	7 34	247 267	1.045	440	160	63
	18	3	89	88	3.994	7.06	7.99	31.6	118.3	6.94	252	945	416	151	57
RA	19	1	88	93	1.195	2.35	2.39	37.8	145.0	2.49	90	347	149	54	21
RA	20	4	89	100	4.314	9.41	8.63	42.9	166.2	10.17	370	1,434	610	222	86
RA	21	2	88	97	1.956	4.71	3.91	46.4	175.0	5.00	182	685	300	109	41
RA	23	1	79	80	.816	2.35	1.63	47.2	140.0	2.12	77	228	127	46	14
RA	Totals	36	88	89	65.696	84.71	103.07	27.9	109.6	78.97	2,872	11,299	4,738	1,723	678
DES	16	1	86	120	1 685	2 35									
DFS	26	1	85	122	.638	2.35									
DF S	Totals	2	86	121	2.323	4.71									
RA S	15	1.	89	32	1.917	2.35									
RA S	Totals	1	89	32	1.917	2.35									
Totals		108	87	103	148.553	254.12	265.90	36.9	160.7	276.55	9,804	42,720	16,593	5,882	2,563

TC PLOGSTVB Log Stock Table - MBF																			
T01N	R)6W S09 T	y00MC	6	0.00		Proj	ect:	NW	SLOPE						Page Date	3/1	1 2/2024	
							Acre	\$		60).00					Time	12	00:44P	М
	s	So Gr	Log	Gross	Def	Net	%]	Net Volu	me by S	Scaling I	Diamete	er in Inche	s				
Spp	Т	rt de	Len	MBF	%	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+
RA		CR	. 16	9		9	1.4			9									
RA		CR	. 18	9		9	1.4			9									
RA		CR	20	5		5	.7			5									
RA		CR	. 22	5		5	.8			5									
RA		CR	24	6		6	.9			6									
RA		CR	26	4		4	.5			4									
		CR	28	11		11	1.0			11									
RA		CP	30	13 N		13	5			15 4									
RA		CR	34	13		13	1.9			13									
RA		CR	36	10		10	1.5			10									
RA		CR	38	4		4	.6			4									
RA		CR	40	586		586	86.4			28	174	204	110	71					
RA		Totals		679		678	26.4			120	174	204	110	71					
DF		2M	34	14		14	.7						14						
DF		2M	40	1,336		1,333	70.7						190	294	523	236	91		
DF		3М	14	3		3	.2						3						
DF		3M	16	2		2	.1					2							
DF		3M	18	8		8	.4					8							
DF		3M	20	9		9	.5				2	9							
DF		3M	24	2 8		2	د. ۱				2	5							
DF		3M	20	о 3		0	.4				2	3							
DF		3M	30	8	2.1	8	.4					4		5					
DF		3M	32	9		9	.5			6		4							
DF		3M	34	7		7	.4			7									
DF		3M	36	6		6	.3			6									
DF		3M	38	9		9	.5			9									
DF	L	3M	40	403		403	21.4			87	130	185							
DF	ſ	4M	14	1		1	.1					1							
DF		4M	16	1		1	.0			1									
DF		4M	20	1		1	.1			1							·		
DF		4M	22	8		8	.4			8									
DF		4M	24	4		4	.2			4									
DF		4M	26	3		3	.2			3									
DF		4M	28	8		8	.4			8 22									
Dr		41/1	50			22	1.2												

	TC PLO	GSTVB			Log S	tock Table -	MBF				
1	T01N R	06W S09 Ty00MC	60.00		Proje Acres	ct: NWS	SLOPE 60.00			Page Date 3/1 Time 12:	2 2/2024 00:44PM
	s	So Gr Log	Gross Def	Net	%	N	let Volume by S	caling Diamete	r in Inches		
	Spp т	rt de Len	MBF %	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	4M 36	3	3	.2		3				
	DF	4M 40	6	6	.3		6		-		
1	DF	Totals	1,889	1,885	73.6		171 135	225 207	298 523	236 91	
	Total	All Species	2,567	2,563	100.0		291 308	429 317	369 523	236 91	

TC PS	STATS				PR PI	OJECT ROJECT	STATIS NWS	STICS SLOPE			PAGE DATE	1 4/11/2024
TWP	RGE	SC	TRACT		ТҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt
01N	06	15	00U3		00MC			51.00	14	77	S	W
						TREES		ESTIMATED TOTAL	P	ERCENT SAMPLE		
			PLOTS	TREES		PER PLOT		TREES		TREES		
тот	TAL		14	77		5.5						
CRU	JISE		14	77		5.5		3,839		2.0		
DBH	I COUNT											
REF	OREST											
COL	JNT											
BLA	NKS											
100 '	%											
					STA	ND SUMM	ARY					
		S.	AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
	10.222		TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	20 515	CF/AC	0.707
DOL	JG FIR		69	65.6	23.5	125	40.7	197.1	39,703	39,313	8,707	8,707
	JG FIR-S		1	.0 2.7	23.0	55 70	1.3	2.9	517	517	132	132
	LDER		2 1	5.2	29.0	91	0.5	2.9	517	517	102	100
	S FIR		2	2.4	21.1	118	1.2	5.7	1.059	1,059	243	243
WHI	EMLOCK		2	2,6	20.1	111	1.3	5.7	1,080	1,018	244	244
тот	ΓAL		77	75.3	23.1	121	45.7	220.0	42,359	42,110	9,325	9,325
CL	68 1	8.1	TIMES OUT	OF 100 THE	VOLUME	WILL BE V	E TREES -	HE SAMPLE E	ERROR #	OF TREES R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	I	.OW	AVG	HIGH		5	10	15
DOU	JG FIR		49.4	5.9		712	757	802				
DOU	JG FIR-S											
R AI	LDER		88.4	82.8		28	160	292				
R AI	LDER-S		52.0	48.6		252	490	728				
WHE	FMLOCK		95.4	89.3		69	645	1.221				
тот	TAL		55.4	6.3		667	712	757		123	31	14
CI	69.1		COFFE			SAMDI I	TDFFS	CF	#	OF TREES R	FO	INF POP
SD.	08.1		VAR %	S.E.%	I	.OW	AVG	HIGH	TT .	5	10 II	15
DOU	JG FIR		40.9	4.9		155	163	171				
DOU	JG FIR-S											
R AL	LDER		57.8	54.2		19	41	63				
R AL	LDER-S		42.1	20.4		67	110	154				
NUB	S FIK Emilock		42.1 84.0	59.4 78.7		31	144	257				
тот	AL		47.3	5.4		145	154	162		89	22	10
ar	(0.1		COPPE			TOPPEC	CDF		ш	OF DI OTS D	EQ	INE DOD
CL	68.1		COEFF	C E 0/	т	TREES/A	ACRE	UICU	#	OF PLOTS R	EQ. 10	INF. POP.
5D.			56.3	15.6	L	55	66	76			10	15
000	IG FIR-S		374.2	103.6		55	1	2				
R AL	LDER		254.2	70.4		1	3	6				
R AL	DER-S		374.2	103.6			1	1				
NOB	FIR		261.9	72.5		1	2	4				
WHE	EMLOCK		299.9	83.1		0	3	5				
тот	AL		44.7	12.4		66	75	85		86	21	
CL	68.1		COEFF			BASAL A	AREA/ACI	RE	#	OF PLOTS R	EQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	L	OW	AVG	HIGH		5	10	15
DOU	IG FIR		43.2	12.0		174	197	221				
DOU	G FIR-S		374.2	103.6		2	3	6				
R AL	DER S		254.2	103.6		2	о 3	10				
κ AL	N:11.10		517.4	103.0			2	v				

TC PS	TATS				PROJECT PROJECT	Γ STATI NW	STICS SLOPE			PAGE DATE	2 4/11/2024
TWP	RGE	SC	TRACT	TYP	E	A	CRES	PLOTS	TREES	CuFt	BdFt
01N	06	15	00U3	00MC	2		51.00	14	7'	7 S	W
CL	68.1		COEFF		BASAI	L AREA/A	CRE		# OF PLO	TS REQ.	INF. POP.
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15
NOB	FIR		254.2	70.4	2	6	10				
WHE	MLOCK		254.2	70.4	2	6	10				
тот	AL		30.9	8.6	201	220	239		41	10	5
CL	68.1		COEFF		NET B	F/ACRE			# OF PLOTS	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		45.1	12.5	34,577	39,515	44,453				
DOU	G FIR-S										
R AL	DER		306.7	85.0	78	517	957				
R AL	DER-S										
NOB	FIR		257.5	71.3 *	304	1,059	1,815				
WHE	MLOCK		257.8	71.4	291	1,018	1,746				
тот	AL		38.6	10.7	37,612	42,110	46,608		64	16	7
CL	68.1		COEFF		NET C	UFT FT/A	CRE		# OF PLOTS	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR		43.1	11.9	7,666	8,707	9,747				
DOU	G FIR-S										
R AL	DER		277.9	77.0	30	132	233				
R AL	DER-S										
NOB	FIR		255.0	70.6	71	243	415				
WHE	MLOCK		254.3	70.4	72	244	416				
тот	AL		36.5	10.1	8,384	9,325	10,267		57	14	6

TC	PSPCSTGR		S	pecies, S	Sort Gra	ade - Board F	oot V	olum	es (Pi	roject	t)								
		T-001 11		51.00]	Project:	NW	/SLO	PE							Page]	
	JIN R06W S15	Ty00MC	2	51.00				- 1	0.0							Date	4/	11/20	24
						Acres		51.0	00							Time	7	:32:40	5AM
]	+													
	C	%	DIE				Perc	ent of l	Net Boar	rd Foot	Volume					Aver	age Lo	g	Logs
Snn	S So Gr Trtad	BdEt	Def%	Gross	Net	l otal		Log Sci	ale Dia.			Log	Length			Dia	Bd	CF/	Per
Spp		Durt	Del 78	01055	INCL	Net MBr	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lİ	/Acre
DF	CU			22.107	22.005	1.600									6	26	100	0.00	.4
DF	2M	17	.6	32,187	32,007	1,632		07	41	59		1	7	99 84	40	16	400	2.16	79.9
DF	4M	2		705	0,803	36		85 100	15	4	79	21	/	04	16	8	29	0.45	24.5
				,,,,,	,,,,,			100							+ 10		25	0.10	21.0
DF	Totals	94	.5	39,703	39,515	2,015		16	35	49	3	2	1	94	35	12	238	1.51	166.3
DF	S CU														22	13		0.00	1.7
DF	Totals														22	13		0.00	1.7
RA	CU														16	14		0.00	1.6
RA	CR	100	ļ	517	517	26		56	44		44			56	31	10	107	0.88	4.9
RA	Totals	1		517	517	26		56	44		44			56	27	11	80	0.75	6.5
RA	S CU														39	14		0.00	1.2
RA	Totals														39	14		0.00	1.2
<u> </u>		1																	
NF	2M	72		767	767	39			45	55				100	40	15	325	1.69	2.4
NF	3M	25		265	265	14		100						100	40	9	112	0.80	2.4
NF	4M	3		27	27	1		100				100			22	6	30	0.43	.9
NF	Totals	3		1,059	1,059	54		28	33	39		3		97	37	11	188	1.16	5.6
WH	2M	44		458	458	23				100				100	40	22	840	3.94	.5
WH	3M	56	9.9	622	561	29		77	23					100	40	9	121	0.85	4.6
wн	Totals	2	5.7	1,080	1,018	52		42	13	45				100	40	10	197	1.18	5.2
				10.04-															104 -
Tota	15		0.6	42,359	42,110	2,148		18	35	48	3	2	1	94	34	12	226	1.45	186.5

тс	PSTNDSU	JM					Stand '	Table S	ummary				Page Date:	1 4/11/20	24
T01N	R06W S	15 Ty00MC		51.0	0		Projec	t N	WSLOPI	£			Time:	7:32:4	7AM
		*					Acres		51.(00			Grown Year:		
S		Sample	FF	Tot Av	Trees/	BA/	Logs	Average Net	e Log Net	Tons/	Net Cu.Ft.	Net Bd.Ft.		Totals	
Spc T	DBH	Trees	16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF	10	1	86	69	5.238	2.86	5.24	10.8	50.0	1.62	57	262	83	29	13
DF	15	1	85	113	2.328	2.86	4.66	22.8	105.0	3.03	106	489	154	54	25
DF	17	2	85	121	3.625	5.71	7.25	30,4	122.5	6.28	220	888	320	112	45
DF	18	1	86	131	1.617	2.86	4.85	26.0	103.3	3.60	126	501	184	64	26
DF	19	1	85	122	1.451	2.86	4.35	28.8	113.3	3.58	126	493	182	64	25
DF	20	5	86	126	6.548	14.29	17.03	35.9	146.2	17.44	612	2,488	890	312	127
DF	21	3	86	126	3.564	8.57	9.50	38.7	152.5	10.48	368	1,449	534	187	74
DF	22	6	85	127	6.494	17.14	18.40	41.1	181.2	21.55	756	3,334	1,099	386	170
DF	24	4	86	129	3,638	11.43	10.00	51.1	219.1	14.57	511	2,192	743	261	112
DF	25	8	85	128	6.705	22.86	16.76	59.4	260.5	28.40	996	4,367	1,448	508	223
DF	26	15	85	136	11.624	42.86	33.32	58.7	270.0	55.79	1,958	8,997	2,845	998	459
DF	27	3	85	134	2.156	8.57	5.75	67.9	305.0	11.12	390	1,753	567	199	89
DF	28	4	86	137	2.673	11.43	6.68	/8.3	371.0	14.90	523	2,479	760	267	126
DF	29	2	80	134	1.246	5.71	3.11	82.3	400.0	22.01	256	1,246	373	131	201
DF	30	0	80	139	3.492	17.14	9.89	80.9	398.8	22.81	800	3,946	1,164	408	201
DF	21	2	80	137	1.090	5.71	2.73	92.7	458.0	7.20	253	1,248	307	129	24
DF	32 24	1	63 04	140	.312	2.80	1.33	87.1	440.0	3.81 7.21	154	1 272	194	121	54
DF	36	2	04 86	150	.900	2.71	1.21	94.5	406.5	2.67	120	726	187	131	38
DF	41	1	00 85	133	.404	2.00	1.21	137.7	746 7	3.07	129	608	107	66	36
DF	41 Totala		0.5	135	.312	2.00	.95	137.7	220.1	3.07	0.707	098	10/		2.015
DF	Totals		68	125	65.623	197,14	165.93	52.5	238.1	248.15	8,707	39,515	12,656	4,441	2,015
NF	19	1	89	114	1.451	2.80	2.90	38.8	155,0	2.70	113	450	138	37	25
NF	24	1	89	125	.909	2.80	2.73	47.8	223.3	3.13	130	609	100	00	51
NF	Totals	2	89	118	2.361	5.71	5.63	43.1	188.1	5.83	243	1,059	297	124	54
WH WH	16 31	1	87 88	109 117	2.046 545	2.86 2.86	4.09 1.09	29.1 114 4	105.0 540.0	3.81 3.99	119 125	430 589	195 204	61 64	22
	Totals		07	111	2 501	5.71	5 10	47.1	100.6	7.01		1.019	201	124	50
wп	10	2	07	70	2.391	5.71	J.10	47.1	190.5	2.02	122	1,018	105		32
RA	18	2	87	19	3.234	5.71	4.85	27.1	106.7	5.02	152	517	165	07	20
RA	lotals	2	87	79	3.234	5.71	4.85	27.1	106.7	3.62	132	517	185	67	26
DF S	25	1	86	53	.838	2.86									
DF S	Totals	1	86	53	.838	2.86									
RA S	29	1	89	91	.623	2.86									
RAS	Totals	1	89	91	,623	2,86									

TC PLO	GSTVB					Log	Stock Table	- MBF									
T01N R	06W S15 Ty00	мс	51	1.00		Proje Acre	ect: NV s	VSLOP :	E 51.00					Page Date Time	4/1 7:	1 1/2024 32:45A	м
s	So Gr L	og	Gross	Def	Net	%		Net Vol	ume by S	Scaling D	iamete	r in Inche	es				
Spp Т	rt de Le	en	MBF	%	MBF	Spc	2-3 4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	25+
DF	2M	28	20		20	1.0							•		20		20
DF	2M	36	34	1.9	34	1.7					25	9					
DF	2M	38	98		98	4.9					49	9	29	10			
DF	2M	40	1,489		1,481	73.5					201	275	673	308	23		23
DF	3M	12	7		7	.4					5		2				
DF	3M	14	2		2	.1					2						
DF	3M	16	13		13	.7				7	6						
DF	3M	18	3		3	.1					3						
DF	3M	20	3		3	.1				3							
DF	3M	30	4		4	.2					4						
DF	3M	32	12		12	.6		12									
DF	3M	34	13		13	.7		13									
DF	3M	36	15		15	.7		7			8						
DF	3M	40	275		275	13.6		21	86	139	15			14			
DF	4M	12	21		21	1.0		1	2	17							
DF	4M	14	1		1	.1		1									
DF	4M	16	4		4	.2		4									
DF	4M	18	1		1	.1		1									
DF	4M	20	1		1	.0		1									
DF	4M	24	2		2	.1		2									
DF	4M	26	2		2	.1		2									
DF	4M	28	2		2	.1		2									
DF	4M	30	2		2	.1		2									
DF	Totals		2,025		2,015	93.8		70	88	166	318	294	705	332	43		43
RA	CR	16	12		12	43.8						12					
RA	CR	36	5		5	18.7		5									
RA	CR	40	10		10	37.5			10								
RA	Totals		26		26	1.2		5	10			12					
NF	2M	40	39		39	72.4					18		21				
NF	3M -	40	14		14	25.0		5		8							
NF	4M 2	22	1		1	2.6		1									
NF	Totals		54		54	2.5		7		8	18		21				
WH	2M	40	23		23	45.0								23			
wн	3M 4	40	32	9.9	29	55.0		6		16	7						
								1			- 1						

	TC PLO	00	GSTVB					Log S	Stock	Table -	MBF									
	T01N F	20	96W S15 T	Гу00МС		51.00		Proje Acre	ect: s	NW	SLOP	E 51.00					Page Date Time	4/1 7:3	2 1/2024 32:45A	м
	s	;	So Gr	Log	Gross	Def	Net	%			<u>Net Vo</u>	lume by	Scaling	Diamete	<u>r in Inch</u>	es				
	Spp т	r	rt de	Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	25+
-	WH		Tota	ls	5	55 5.7	52	2.4				6	1	5 7			23			
	Total		All Speci	ies	2,16	50	2,148	100.0				38 98	19) 342	305	726	356	43		43

Volume Summary (Shown in MBF) NW Slope FG-341-2025-W01019-01 April 2024

UNIT 1: Modified Clearcut (105 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
	Cruise Volume	3,090	1,158	99	0	4,347
Douglas fir	Hidden D&B (2%)	(62)	(23)	(2)	(0)	(87)
Douglas-III	NET TOTAL	3,028	1,135	97	0	4,260
	% of Total	71	27	2	0	
	Cruise Volume	84	89	10	0	183
Western	Hidden D&B (2%)	(2)	(2)	(0)	(0)	(4)
hemlock	NET TOTAL	82	87	10	0	179
	% of Total	46	49	5	0	
	Cruise Volume	0	0	0	372	372
Pod oldor	Hidden D&B (5%)	(0)	(0)	(0)	(19)	(19)
Red alder	NET TOTAL	0	0	0	353	353
	% of Total	0	0	0	100	
	Cruise Volume	25	0	1	0	26
Noblo fir	Hidden D&B (2%)	(1)	(0)	(0)	(0)	(1)
Noble III	NET TOTAL	24	0	1	0	25
	% of Total	96	0	4	0	

UNIT 2: Modified Clearcut (60 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
	Cruise Volume	1,346	481	58	0	1,885
Douglas fir	Hidden D&B (2%)	(27)	(10)	(1)	0	(38)
Dougias-iii	NET TOTAL	1,319	471	57	0	1,847
	% of Total	71	26	3	0	
	Cruise Volume	0	0	0	678	678
Pod oldor	Hidden D&B (5%)	(0)	(0)	(0)	(34)	(34)
Red aldel	NET TOTAL	0	0	0	644	644
	% of Total	0	0	0	100	

UNIT 3: Modified Clearcut (51 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
	Cruise Volume	1,632	347	36	0	2,015
Douglas fir	Hidden D&B (2%)	(33)	(7)	(1)	(0)	(41)
Dougias-iii	NET TOTAL	1,599	340	35	0	1,974
	% of Total	81	17	2	0	
	Cruise Volume	23	29	0	0	52
Western	Hidden D&B (2%)	(0)	(1)	(0)	(0)	(1)
hemlock	NET TOTAL	23	28	0	0	51
	% of Total	46	54			
	Cruise Volume	39	14	1	0	54
Noble fir	Hidden D&B (2%)	(1)	(0)	(0)	(0)	(1)
NODIE III	NET TOTAL	38	14	1	0	53
	% of Total	72	26	2	0	<u> </u>
	Cruise Volume	0	0	0	26	26
Ped alder	Hidden D&B (5%)	(0)	(0)	(0)	(1)	(1)
Red alder	NET TOTAL	0	0	0	25	25
	% of Total	0	0	0	100	

UNIT 4: R/W (< 1 Acre)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
	Cruise Volume	4	2	0	0	6
Dougloo fir	Hidden D&B (2%)	(0)	(0)	(0)	0	(0)
Douglas-III	NET TOTAL	4	2	0	0	6
	% of Total	67	33	0	0	

SALE TOTAL					
SPECIES	2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
Douglas-fir	5,950	1,948	189	0	8,087
Western hemlock	105	115	10	0	230
Noble fir	62	14	2	0	78
Red alder	0	0	0	1,022	1,022
Total	6,117	2,077	201	1,022	9,417



Timber Sale Boundary Reserve Tree Area Boundary

40 Foot Contour Band
 200 Foot Contour Band

Research Posted Stream Buffer Boundary	F
Carl Right-of-Way Boundary	
Surfaced Road	Р
$\equiv \equiv \equiv$ Unsurfaced Road	
 New Road Construction 	
//// Recreational Trail	
Type-F Stream	
Type-N Stream - Perennial	
– – – Type-N Stream - Seasonal	
Stream Buffer	
O Cable Landing	
Tractor Landing	
Cable Yarding Area	
Tractor Yarding Area	
T — BPA Transmission Lines	
S Stockpile	
🛠 Quarry	
W Waste Area	
Section Lines	

LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2025-W01019-01 NW SLOPE PORTIONS OF SECTIONS 9, 15, 16 & 17, T1N, R6W, W.M., TILLAMOOK COUNTY, OREGON

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

1:12,000

1 inch = 1,000 feet





Timber Sale Boundary	LOGGING PLAN
Keserve free Area Boundary	FOR TIMBER SALE CONTRACT #FG-341-2025-W01(
Posted Stream Burler Boundary	NW SLODE
Right-of- way boundary	NW SLOPE
Surfaced Road	PORTIONS OF SECTIONS 9, 15, 16 & 17, 11N, R6W,
Unsurfaced Road	TILLAMOOK COUNTY, OREGON
 New Road Construction 	
Recreational Trail	
Type-F Stream	Forest Grove District GIS
Type-N Stream - Perennial	April, 2024
- – – Type-N Stream - Seasonal	This product is for informational use and may not be
Stream Buffer	suitable for legal, engineering, or surveying purposes.
O Cable Landing	
Tractor Landing	
Cable Yarding Area	1:12,000
::::: Tractor Yarding Area	
P — BPA Transmission Lines	1 inch = 1,000 feet
S Stockpile	
Quarry	0 500 1.000 2.000
W Waste Area	Feet
Section Lines	
40 Foot Contour Band	

200 Foot Contour Band

019-01 W.M.,

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