Timber Sale Appraisal
Rodger Dodger
Sale FG-341-2025-W01198-01

District: Forest Grove

Date: November 20, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$1,781,337.96	$8,936.36	$1,790,274.32
		Project Work:	($216,000.00)
		Advertised Value:	$1,574,274.32

Timber Sale Appraisal
Rodger Dodger
Sale FG-341-2025-W01198-01

District: Forest Grove **Date: November 20, 2024**

Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	22	0	98
Western Hemlock / Fir	22	0	98
Alder (Red)	15	0	95

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	2,682	695	0	3,377
Western Hemlock / Fir	124	24	0	148
Alder (Red)	0	0	41	41
Total	2,806	719	41	3,566

Comments: LOCAL POND VALUES, SEPTEMBER 2024

NOBLE FIR AND OTHER CONIFERS:
STUMPAGE PRICE = POND VALUE - WESTERN HEMLOCK LOGGING COST
$285.02 = $512.57 – $227.55

WESTERN REDCEDAR AND OTHER CEDARS STUMPAGE PRICE = POND VALUE MINUS DOUGLAS-FIR LOGGING COST:
$992.35 = $1,200 - $207.65

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):

HIGHWAY FLAGGIN ON HWY 6:
4 DAYS, 2 FLAGGERS @ $60/HR EACH = $3,840

TOTAL OTHER COSTS (WITH PROFIT & RISK ADDED) = $3,840

OTHER COSTS (NO PROFIT & RISK ADDED):

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

MACHINE TIME TO BLOCK/WATERBAR ROADS AND SKID TRAILS:
20 HOURS X $200/HOUR = $4,000

MACHINE TIME TO PILE LANDING SLASH:
15 HOURS X $200/HOUR = $3,000

ROAD CLEANING: 10 HOURS @ $150/HOUR = $1,500

ADDITIONAL SLASH DISPOSAL/REMOVAL UNIT 2:
20 HOURS @ $150/HOUR = $3,000

CONTROLLED FELLING NEAR HIGHWAY: $3,000

TOTAL OTHER COSTS (NO P&R) = $17,500

SLASH TREATMENT: 25 ACRES X $250/ACRE = $6,250

ROAD MAINTENANCE (INCLUDES SPOT ROCKING, GRADING, & ROLLING):
MOVE IN: $3,752.91
GENERAL ROAD MAINT: 1.56 miles X $3,039.10 = $4,741
TOTAL ROAD MAINTENANCE: $8,493.91 / 3,566 MBF = $2.38/MBF

District: Forest Grove **Date: November 20, 2024**

Logging Conditions

Combination#: 1

Douglas - Fir	25.15%
Western Hemlock / Fir	15.81%
Alder (Red)	5.71%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 21 **bd. ft / load:** 4800
cost / mbf: $79.15
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Medium)

Combination#: 2

Douglas - Fir	65.17%
Western Hemlock / Fir	78.11%
Alder (Red)	92.10%

Logging System: Track Skidder **Process:** Harvester Head Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 25 **bd. ft / load:** 4800
cost / mbf: $83.33
machines: Forwarder
Harvester

Combination#: 3

Douglas - Fir	9.67%
Western Hemlock / Fir	6.08%
Alder (Red)	2.20%

Logging System: Cable: Medium Tower >40 - <70 **Process:** Harvester Head Delimbing
yarding distance: Short (400 ft) **downhill yarding:** Yes
tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 18 **bd. ft / load:** 4800
cost / mbf: $92.34
machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Medium)

Timber Sale Appraisal
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District: Forest Grove **Date: November 20, 2024**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	12%
Project Costs:	$216,000.00	**Other Costs (P/R):**	$3,840.00
Slash Disposal:	$6,250.00	**Other Costs:**	$17,500.00

Miles of Road

Road Maintenance: $2.38

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	4.8
Western Hemlock / Fir	$0.00	3.0	4.0
Alder (Red)	$0.00	3.0	3.0

Timber Sale Appraisal
Rodger Dodger

Sale FG-341-2025-W01198-01

District: Forest Grove

Date: November 20, 2024

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$83.15	$2.43	$2.46	$88.55	$1.08	$21.32	$1.75	$2.00	$4.91	$207.65
Western Hemlock / Fir									
$83.22	$2.43	$2.46	$106.25	$1.08	$23.45	$1.75	$2.00	$4.91	$227.55
Alder (Red)									
$83.29	$2.50	$2.46	$145.83	$1.08	$28.22	$1.75	$2.00	$4.91	$272.04

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$722.65	$515.00	$0.00
Western Hemlock / Fir	$0.00	$512.57	$285.02	$0.00
Alder (Red)	$0.00	$490.00	$217.96	$0.00

Timber Sale Appraisal
Rodger Dodger
Sale FG-341-2025-W01198-01

District: Forest Grove **Date: November 20, 2024**

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	3,377	$515.00	$1,739,155.00
Western Hemlock / Fir	148	$285.02	$42,182.96
Alder (Red)	41	$217.96	$8,936.36

Gross Timber Sale Value

Recovery: $1,790,274.32

Prepared By: Colton Turner **Phone:** 503-464-1676

TIMBER SALE SUMMARY
Rodger Dodger
#FG-341-2025-W01198-01

1. **Location:** Portions of Section 4, T1N, R6W, W.M., & portions of section 33, T2N, R6W, W.M., Tillamook County Oregon.

2. **Type of Sale:** This timber sale is 107 net acres of Clearcut consisting of two harvest units. Unit 1 is 97 acres and unit 2 is 7 acres. The timber will be sold on a recovery basis at a sealed bid auction.

3. **Revenue Distribution:** 100% BOF; 100% Tillamook County

4. **Sale Acreage:** Acres are net of Stream Buffers, Reserve Tree Areas, and road prisms. Acreage was determined using ESRI ArcMap GIS Pro 2.2 software and GPS.

5. **Cruise:** The Timber Sale was cruised by ODF timber cruisers in October of 2024. For more information, see Cruise Report.

6. **Timber Description:** The Timber Sale Area consists of a well-stocked, 66 year-old stand of Douglas-fir with minor components of western hemlock, big leaf maple, and red alder. This timber stand has an average of 160 ft^2 of basal area and an average Douglas-fir DBH of 22 inches. The estimated average net Douglas-fir volume is approximately 32.5 MBF per acre.

7. **Topography and Logging Method:** Slopes within the Timber Sale Area range from 5% to 80% with north aspect. Unit 1 is 64% ground-based Yarding and 36% cable-based Yarding and Unit 2 is 100% ground-based Yarding. The average horizontal skid trail length is 150 feet and the maximum is approximately 1,200 feet. The average cable Yarding road length is 400 feet and the maximum is approximately 900 feet.

8. **Access:** 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 13 miles to University Falls Road and turn left to access Timber Sale Area.

9. **Projects:**

Project No. 1: Rocked Road Construction	$34,783.71
Project No. 2: Road Improvement	$169,073.77
Project No. 3: Road Blocking and Vacating	$2,220.63
Project No. 4: Dirt Road Construction and Vacating	$9,921.89
Total Credit for all Projects	$216,000.00

PROJECT COST SUMMARY SHEET

Timber Sale: Rodger Dodger
Sale Number: FG-341-2023-W01198-01

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

Road Segment	Length	Cost
G to H	3+75	$12,026.54
I to J	4+75	$15,831.49
K to L	1+15	$6,281.71
	9+65 stations	
	0.18 miles	

Total Rock =

1,375 cy	3" - 0

Move-in = $643.97

TOTAL PROJECT COST = $34,783.71

PROJECT NO. 2: ROAD IMPROVEMENT SURFACE ROCK REPLACEMENT AND MAINTENANCE

Road Segment	Length	Cost
A to B	140+55	$109,620.89
C to D	6+40	$6,182.92
E to F	17+80	$16,082.27
Point O	-	$34,057.53
	164+75 stations	
	3.12 miles	

Total Rock =

4,437 cy	1½" - 0
413 cy	3" - 0
252 cy	Riprap
144 cy	Large Riprap

Move-in = $3,130.17

TOTAL PROJECT COST = $169,073.77

PROJECT NO. 3: ROAD BLOCKING AND VACATING

Road Segment	Length	Cost
G to H	3+75	$255.75
I to J	4+75	$451.00
V1 to V2	3+75	$363.51
	12+25 stations	
	0.23 miles	

Move-in = $1,150.37

TOTAL PROJECT COST = $2,220.63

PROJECT NO. 4: DIRT ROAD CONSTRUCTION AND VACATING

Road Segment	Length	Cost
M to N	12+90	$8,628.95
	12+90 stations	
	0.24 miles	

Move-in = $1,292.95

TOTAL PROJECT COST = $9,921.89

TOTAL CREDITS = $216,000.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: A to B | Improvement: 140+55 stations; 2.66 miles

PROJECT NO. 2: ROAD IMPROVEMENT SURFACE ROCK REPLACEMENT AND MAINTENANCE

IMPROVEMENT						
Clearing & grubbing (scatter)	1.62	ac @	$1,692.00	per acre =	$2,741.04	
Clean ditch & scatter waste material	0.19	sta @	$66.00	per sta =	$12.54	
Clean culvert inlet & outlet, scatter waste	6	ea @	$27.50	per ea =	$165.00	
Remove existing culvert	1	ea @	$165.00	per ea =	$165.00	
Cutslope layback and road realignment						
Excavate & load	982	cy @	$1.94	per cy =	$1,905.08	
Haul	1,277	cy @	$14.10	per cy =	$18,005.70	
Shape and compact waste material	1,277	cy @	$0.35	per cy =	$446.95	
Road widening	1.50	sta @	$120.00	per sta =	$180.00	
Construct settling pond	75	ea @	$27.50	per ea =	$2,062.50	
Haul waste	98	cy @	$14.10	per cy =	$1,381.80	
Compact waste area	98	cy @	$0.35	per cy =	$34.30	
Improve turnout	10	ea @	$36.30	per ea =	$363.00	
Grade, ditch, & roll	140.55	sta @	$39.65	per sta =	$5,572.81	
				TOTAL IMPROVEMENT COSTS =		$33,035.72

CULVERTS						
Culverts and Bands						
18" Diameter	380	lf @	$22.05	per lf =	$8,379.00	
24" Diameter	120	lf @	$31.90	per lf =	$3,828.00	
30" Diameter	40	lf @	$42.95	per lf =	$1,718.00	
30" Band	1	ea @	$80.00	per ea =	$80.00	
Markers & Stakes						
Culvert markers	21	ea @	$12.00	per ea =	$252.00	
				TOTAL CULVERT COSTS =		$14,257.00

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	$1.12	$12.34	$0.55	384	$5,379.84
Energy dissipator	Riprap	$2.02	$26.83	$1.75	228	$6,976.80
				Subtotal =	612	$12,356.64
Surfacing rock						
Surfacing rock	1½" - 0	$1.12	$12.34	$1.35	2,811	$41,630.91
Base rock	3" - 0	$1.12	$12.34	$1.35	200	$2,962.00
Junction	1½" - 0	$1.12	$12.34	$1.35	60	$888.60
Junction base rock	3" - 0	$1.12	$12.34	$1.35	24	$355.44
Road widening base rock	3" - 0	$1.12	$12.34	$1.35	63	$933.03
Road widening surface rock	1½" - 0	$1.12	$12.34	$1.35	30	$444.30
Turnout	1½" - 0	$1.12	$12.34	$1.35	100	$1,481.00
				Subtotal =	3,288	$48,695.28

Totals		
	All Rock =	3,900
	1½" - 0	3,385
	3" - 0	287
	Riprap	228

TOTAL ROCK COSTS = $61,051.92

EROSION CONTROL						
Grass seed & fertilizer	1.62	ac @	$697.50	per ac =	$1,129.95	
Straw mulch acre	0.07	ac @	$990.00	per ac =	$69.30	
Straw mulch bale	7	ea @	$11.00	per ea =	$77.00	
				TOTAL EROSION CONTROL COSTS =		$1,276.25

TOTAL PROJECT COST = $109,620.89

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: C to D | Improvement: 6+40 stations; 0.12 miles

PROJECT NO. 2: ROAD IMPROVEMENT SURFACE ROCK REPLACEMENT AND MAINTENANCE

IMPROVEMENT

Install gate	1	ea @	$330.00	per acre =	$330.00
Clearing & grubbing (scatter)	0.08	ac @	$1,692.00	per acre =	$135.36
Improve landing	1	ea @	$172.70	per ea =	$172.70
Grade, ditch, & roll	6.40	sta @	$39.65	per sta =	$253.76

TOTAL IMPROVEMENT COSTS = $891.82

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Surfacing rock						
Surfacing rock	1½" - 0	$1.12	$16.92	$1.35	198	$3,839.22
Junction	1½" - 0	$1.12	$16.92	$1.35	12	$232.68
Landing	1½" - 0	$1.12	$16.92	$1.35	60	$1,163.40
				Subtotal =	270	$5,235.30

Totals		
	All Rock =	270
	1½" - 0	270

TOTAL ROCK COSTS = $5,235.30

EROSION CONTROL

Grass seed & fertilizer	0.08	ac @	$697.50	per ac =	$55.80

TOTAL EROSION CONTROL COSTS = $55.80

TOTAL PROJECT COST = $6,182.92

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: E to F | Improvement: 17+80 stations; 0.34 miles

PROJECT NO. 2: ROAD IMPROVEMENT SURFACE ROCK REPLACEMENT AND MAINTENANCE

IMPROVEMENT

Install gate	1	ea @	$330.00	per acre =	$330.00	
Clearing & grubbing (scatter)	0.21	ac @	$1,692.00	per acre =	$355.32	
Clean culvert inlet & outlet, scatter waste	1	ea @	$27.50	per ea =	$27.50	
Improve turnout	2	ea @	$36.30	per ea =	$72.60	
Improve landing	1	ea @	$172.70	per ea =	$172.70	
Grade, ditch, & roll	17.80	sta @	$39.65	per sta =	$705.77	
				TOTAL IMPROVEMENT COSTS =		$1,663.89

CULVERTS

Markers & Stakes						
Culvert markers	2	ea @	$12.00	per ea =	$24.00	
				TOTAL CULVERT COSTS =		$24.00

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Subgrade rock						
Energy dissipator	Riprap	$2.02	$26.39	$1.75	24	$723.84
				Subtotal =	24	$723.84
Surfacing rock						
Surfacing rock	1½" - 0	$1.12	$17.36	$1.35	552	$10,946.16
Junction	1½" - 0	$1.12	$17.36	$1.35	12	$237.96
Turnout	1½" - 0	$1.12	$17.36	$1.35	28	$555.24
Landing	1½" - 0	$1.12	$17.36	$1.35	90	$1,784.70
				Subtotal =	682	$13,524.06

Totals		
	All Rock =	706
	1½" - 0	682
	Riprap	24

TOTAL ROCK COSTS = $14,247.90

EROSION CONTROL

Grass seed & fertilizer	0.21	ac @	$697.50	per ac =	$146.48	
				TOTAL EROSION CONTROL COSTS =		$146.48

TOTAL PROJECT COST = $16,082.27

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: G to H | Construction: 3+75 stations; 0.07 miles

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

CONSTRUCTION						
Clearing & grubbing (scatter)	0.44	ac @	$1,692.00	per ac =	$744.48	
Balanced road construction	3.75	sta @	$120.00	per sta =	$450.00	
Turnaround	1	ea @	$90.75	per ea =	$90.75	
Landing	1	ea @	$345.40	per ea =	$345.40	
Grade, ditch, & roll	3.75	sta @	$39.65	per sta =	$148.69	
				TOTAL CONSTRUCTION COSTS =		$1,779.32

CULVERTS						
Culverts and Bands						
18" Diameter	30	lf @	$22.05	per lf =	$661.50	
Culvert markers	1	ea @	$12.00	per ea =	$12.00	
				TOTAL CULVERT COSTS =		$673.50

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	$1.12	$17.62	$1.35	244	$4,901.96
Junction	3" - 0	$1.12	$17.62	$1.35	24	$482.16
Turnaround	3" - 0	$1.12	$17.62	$1.35	20	$401.80
Landing	3" - 0	$1.12	$17.62	$1.35	180	$3,616.20
				Subtotal =	468	$9,402.12

Totals		
	All Rock =	468
	3" - 0	468

TOTAL ROCK COSTS = $9,402.12

EROSION CONTROL						
Grass seed & fertilizer	0.22	ac @	$780.00	per ac =	$171.60	
				TOTAL EROSION CONTROL COSTS =		$171.60

TOTAL PROJECT COST = $12,026.54

PROJECT NO. 3: ROAD BLOCKING AND VACATING

BLOCK						
Construct tank trap	1	ea @	$60.50	per ea =	$60.50	
Construct waterbar	1	ea @	$30.25	per ea =	$30.25	
Remove existing culverts	1	ea @	$165.00	per ea =	$165.00	
				TOTAL BLOCKING COSTS =		$255.75

TOTAL PROJECT COST = $255.75

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: I to J | Construction: 4+75 stations | 0.09 miles

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

CONSTRUCTION						
Clearing & grubbing (scatter)	0.55	ac @	$1,692.00	per ac =	$930.60	
Balanced road construction	4.75	sta @	$120.00	per sta =	$570.00	
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	4.75	sta @	$39.65	per sta =	$188.34	
				TOTAL CONSTRUCTION COSTS =		$2,306.59

CULVERTS						
Culverts and Bands						
18" Diameter	60	lf @	$22.05	per lf =	$1,323.00	
Culvert markers	2	ea @	$12.00	per ea =	$24.00	
				TOTAL CULVERT COSTS =		$1,347.00

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	$1.12	$16.58	$1.35	309	$5,886.45
Junction	3" - 0	$1.12	$16.58	$1.35	24	$457.20
Turnaround	3" - 0	$1.12	$16.58	$1.35	20	$381.00
Roadside landing	3" - 0	$1.12	$16.58	$1.35	95	$1,809.75
Landing	3" - 0	$1.12	$16.58	$1.35	180	$3,429.00
				Subtotal =	628	$11,963.40

Totals		
	All Rock =	628
	3" - 0	628

TOTAL ROCK COSTS = $11,963.40

EROSION CONTROL						
Grass seed & fertilizer	0.28	ac @	$780.00	per ac =	$214.50	
				TOTAL EROSION CONTROL COSTS =		$214.50

TOTAL PROJECT COST = $15,831.49

PROJECT NO. 3: ROAD BLOCKING AND VACATING

BLOCK						
Construct tank trap	1	ea @	$60.50	per ea =	$60.50	
Construct waterbar	2	ea @	$30.25	per ea =	$60.50	
Remove existing culverts	2	ea @	$165.00	per ea =	$330.00	
				TOTAL BLOCKING COSTS =		$451.00

TOTAL PROJECT COST = $451.00

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: K to L | Construction: 1+15 stations; 0.02 miles

PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

CONSTRUCTION						
Clearing & grubbing (scatter)	0.14	ac @	$1,692.00	per ac =	$236.88	
Balanced road construction	1.15	sta @	$120.00	per sta =	$138.00	
Landing	1	ea @	$345.40	per ea =	$345.40	
Grade, ditch, & roll	1.15	sta @	$39.65	per sta =	$45.60	
				TOTAL CONSTRUCTION COSTS =		$765.88

CULVERTS						
Culverts and Bands						
18" Diameter	40	lf @	$22.05	per lf =	$882.00	
Culvert markers	1	ea @	$12.00	per ea =	$12.00	
				TOTAL CULVERT COSTS =		$894.00

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Surfacing rock						
Base rock	3" - 0	$1.12	$13.90	$1.35	75	$1,227.75
Junction	3" - 0	$1.12	$13.90	$1.35	24	$392.88
Landing	3" - 0	$1.12	$13.90	$1.35	180	$2,946.60
				Subtotal =	279	$4,567.23

Totals		
	All Rock =	279
	3" - 0	279

TOTAL ROCK COSTS = $4,567.23

EROSION CONTROL						
Grass seed & fertilizer	0.07	ac @	$780.00	per ac =	$54.60	
				TOTAL EROSION CONTROL COSTS =		$54.60

TOTAL PROJECT COST = $6,281.71

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: M to N | Construction: 12+90 stations; 0.24 miles

PROJECT NO. 4: DIRT ROAD CONSTRUCTION AND VACATING

CONSTRUCTION						
Clearing & grubbing	1.49	ac @	$1,692.00	per ac =	$2,521.08	
Balanced road construction	12.90	sta @	$120.00	per sta =	$1,548.00	
End-haul						
Excavate & load	10	cy @	$1.94	per cy =	$19.40	
Haul	13	cy @	$0.91	per cy =	$11.83	
Turnaround	2	ea @	$90.75	per ea =	$181.50	
Landing	1	ea @	$345.40	per ea =	$345.40	
Grade, ditch, & roll	12.90	sta @	$39.65	per sta =	$511.49	
				TOTAL CONSTRUCTION COSTS =		$5,138.70
CULVERTS						
Culverts and Bands						
18" Diameter	90	lf @	$22.05	per lf =	$1,984.50	
Culvert markers	3	ea @	$12.00	per ea =	$36.00	
				TOTAL CULVERT COSTS =		$2,020.50
VACATE						
Construct tank trap	1	ea @	$60.50	per ea =	$60.50	
Construct waterbar	3	ea @	$30.25	per ea =	$90.75	
Rip dirt road surface	12.90	sta @	$27.50	per sta =	$354.75	
Rip & narrow landing	1	ea @	$165.00	per ea =	$165.00	
Remove existing culverts	3	ea @	$165.00	per ea =	$495.00	
				TOTAL BLOCKING COSTS =		$1,166.00
EROSION CONTROL						
Grass seed & fertilizer	0.18	ac @	$697.50	per ac =	$125.55	
Mulch	0.18	ac @	$990.00	per ac =	$178.20	
				TOTAL EROSION CONTROL COSTS =		$303.75
				TOTAL PROJECT COST =		$8,628.95

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger Sale Number: FG-341-2023-W01198-01

Point: O

PROJECT NO. 2: ROAD IMPROVEMENT SURFACE ROCK REPLACEMENT AND MAINTENANCE

IMPROVEMENT						
Remove existing culvert	1	ea @	$330.00	per ea =	$330.00	
Fill reconstruction						
Excavate & load existing fill	1,946	cy @	$1.94	per cy =	$3,775.24	
Haul suitable fill material to staging area	2,530	cy @	$1.02	per cy =	$2,580.60	
Shape staged material	2,530	cy @	$0.35	per cy =	$885.50	
Load material @ staging area	2,396	cy @	$1.75	per cy =	$4,193.00	
Haul fill material from staging area	2,396	cy @	$1.02	per cy =	$2,443.92	
Place and compact fill	2,396	cy @	$0.55	per cy =	$1,317.80	
Pump culvert installation	1	day @	$165.00	per day =	$165.00	
Construct settling pond	12	ea @	$27.50	per ea =	$330.00	
Grade & roll	3.00	sta @	$35.45	per sta =	$106.35	
				TOTAL IMPROVEMENT COSTS =		$16,127.41

CULVERTS						
Culverts and Bands						
54" Diameter	90	lf @	$82.05	per lf =	$7,384.50	
54" Band	4	ea @	$261.89	per ea =	$1,047.56	
				TOTAL CULVERT COSTS =		$8,432.06

ROCK

	Rock Size	Base Cost $/cy	Haul Cost $/cy	Placement/ Processing Cost $/cy	Total CY	Rock Cost
Subgrade rock						
Bedding and backfill	1½" - 0	$1.12	$12.91	$0.55	55	$801.90
Energy dissipator	Large Riprap	$2.02	$12.91	$1.75	72	$1,200.96
Fill armor	Large Riprap	$2.02	$12.91	$1.75	72	$1,200.96
				Subtotal =	199	$3,203.82
Surfacing rock						
Base rock	3" - 0	$1.12	$12.91	$12.91	126	$3,394.44
Surfacing rock	1½" - 0	$1.12	$12.91	$12.91	45	$1,212.30
				Subtotal =	171	$4,606.74

Totals		
	All Rock =	370
	1½" - 0	100
	3" - 0	126
	Large Riprap	144

TOTAL ROCK COSTS = $7,810.56

EROSION CONTROL						
Grass seed & fertilizer	1.00	ac @	$697.50	per ac =	$697.50	
Straw mulch acre	1.00	ac @	$990.00	per ac =	$990.00	
				TOTAL EROSION CONTROL COSTS =		$1,687.50

TOTAL PROJECT COST = $34,057.53

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger | Sale Number: FG-341-2023-W01198-01

Road Segment: V1 to V2 | Maintenance: 3+75 stations; 0.07 miles

PROJECT No. 3: ROAD BLOCKING AND VACATING						
Construct tank trap	1	ea @	$60.50	per ea =	$60.50	
Rip dirt road surface	3.75	sta @	$27.50	per sta =	$103.13	
Rip & narrow landing	1	ea @	$165.00	per ea =	$165.00	
EROSION CONTROL						
Grass seed & fertilizer	0.05	ac @	$697.50	per ac =	$34.88	
				TOTAL EROSION CONTROL COSTS =		$363.51
				TOTAL PROJECT COST =		$363.51

SUMMARY OF CONSTRUCTION COST

Timber Sale: Rodger Dodger Sale Number: FG-341-2023-W01198-01

PROJECT No. 1, 2 , 3, and 4 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS

Equipment	Total
Grader	$261.49
Roller & Compactor	$250.12
Excavator - Equipment Cleaning	$1,568.39
Dozer - Equipment Cleaning	$1,443.39
Dump Truck	$227.36
Water Truck	$206.35

TOTAL MOVE-IN COSTS = $3,957.10

PROJECT No. 3 AND 4 ADDITONAL MOVE-IN COSTS

Equipment	Total
Excavator (Small)	$1,130.18

TOTAL MOVE-IN COSTS = $1,130.18

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale:	Rodger Dodger
Sale Number:	FG-341-2023-W01198-01
Stockpile Name:	Beaverdam
Quarry Name:	Beaverdam

1 1/2" - 0:	4,437 cy	(truck measure)
3" -0:	1,788 cy	(truck measure)
Riprap:	252 cy	(truck measure)
Large Riprap	144 cy	(truck measure)
Total truck yardage:	6,621 cy	

Move-in and With-In Area Move

Move in excavator					$1,388.93
Move in Dump Trucks					$374.94
				Subtotal =	$1,763.87
				Per CY =	$0.27/cy

1 1/2"-0, 3"-0 Base Cost

Load dump truck	$0.90	/ cy x	6,225	cy =	$5,602.50
				Subtotal =	$5,602.50
				Per CY =	$0.85

Riprap Base Cost

Load dump truck	$1.75	/ cy x	396	cy =	$693.00
				Subtotal =	$693.00
				Per CY =	$1.75

1 1/2"-0 Cost =	**$1.12/cy**
3"-0 Cost =	**$1.12/cy**
Riprap Cost =	**$2.02/cy**

CRUISE REPORT
Rodger Dodger
#FG-341-2025-W01198-01

1. LOCATION:

Portions of Section 4, T1N, R6W, W.M., & portions of section 33, T2N, R6W, W.M., Tillamook County, Oregon.

2. CRUISE DESIGN:

The timber cruise was designed using an estimated coefficient of variation (CV) of 50%, average stand diameter of 17 inches, sampling error (SE) of 9% and a minimum of 100 grade trees.

3. SAMPLING METHOD:

The Timber Sale Area was cruised in October of 2024 with variable radius grade plots using a 40 BAF prism. Unit 1 had 30 Plots and Unit 2 had 4 plots. Plots were laid out 4 chain x 5 chain grid. Plots falling on or near existing roads or no-harvest areas were offset 1 chain.

4. CRUISE RESULTS:

142 trees were measured and graded producing a standard error of 7.0% on the Douglas-fir Basal Area and 8.3% 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. 40 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 Mark Savage, Adrian Torres, and Colton Turner.

Prepared by: Colton Turner 11-12-2024

Reviewed by: Mark Savage 11-12-2024
Date

PROJECT STATISTICS

PROJECT RODDOD

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U1	00MC	104.00	34	142	S	W
01N	05W	33	00U2	00MC					

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	34	142	4.2		
CRUISE	34	142	4.2	6,765	2.1
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	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	122	54.6	22.3	128	31.3	147.7	33,229	33,137	6,985	6,985
DOUG FIR-S	6	3.6	18.8	55	1.6	6.9				
R ALDER	6	4.0	14.5	84	1.2	4.6	428	425	144	144
WHEMLOCK	8	2.9	22.1	93	1.6	7.7	1,467	1,467	328	328
TOTAL	*142*	*65.0*	*21.7*	*120*	*35.8*	*166.9*	*35,124*	*35,029*	*7,457*	*7,457*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	64.2	5.8	831	883	934			
DOUG FIR-S								
R ALDER	63.9	28.5	95	133	171			
WHEMLOCK	67.5	25.4	690	925	1,160			
TOTAL	*72.2*	*6.1*	*767*	*816*	*865*	*208*	*52*	*23*

CL 68.1 SD: 1.0

SAMPLE TREES - CF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	56.1	5.1	171	180	190			
DOUG FIR-S								
R ALDER	59.8	26.6	33	44	56			
WHEMLOCK	62.4	23.5	150	196	242			
TOTAL	*64.1*	*5.4*	*159*	*168*	*177*	*164*	*41*	*18*

CL 68.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	61.9	10.6	49	55	60			
DOUG FIR-S	240.3	41.2	2	4	5			
R ALDER	376.4	64.5	1	4	7			
WHEMLOCK	267.0	45.8	2	3	4			
TOTAL	*53.0*	*9.1*	*59*	*65*	*71*	*112*	*28*	*12*

CL 68.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	40.9	7.0	137	148	158			
DOUG FIR-S	223.8	38.3	4	7	10			
R ALDER	377.1	64.6	2	5	8			
WHEMLOCK	231.4	39.7	5	8	11			
TOTAL	*30.8*	*5.3*	*158*	*167*	*176*	*38*	*9*	*4*

CL 68.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	48.3	8.3	30,393	33,137	35,882			
DOUG FIR-S								
R ALDER	386.5	66.2	143	425	706			
WHEMLOCK	243.7	41.8	854	1,467	2,079			

TC PSTATS

PROJECT STATISTICS

PROJECT RODDOD

DATE 11/5/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U1	00MC	104.00	34	142	S	W
01N	05W	33	00U2	00MC					

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*44.0*	*7.5*	*32,390*	*35,029*	*37,668*	*77*	*19*	*9*

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	44.5	7.6	6,453	6,985	7,518			
DOUG FIR-S								
R ALDER	379.0	64.9	50	144	237			
WHEMLOCK	235.7	40.4	195	328	460			
TOTAL	*38.2*	*6.6*	*6,969*	*7,457*	*7,946*	*58*	*15*	*6*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T01N R05W S33 Ty00MC 97.00
T01N R05W S33 Ty00MC 7.00

Project: **RODDOD**
Acres **104.00**

Page **1**
Date **11/5/2024**
Time **3:20:24PM**

Spp	ST	So Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		CU														10	15		0.00	2.0
DF		2M	79	.3	26,414	26,322	2,738			40	60	0	1		99	40	16	424	2.10	62.1
DF		3M	19		6,250	6,250	650		100					7	93	39	8	103	0.70	60.4
DF		4M	2		565	565	59		100			26	74			22	6	28	0.36	20.5
DF	**Totals**		95	.3	33,229	33,137	3,446		21	32	48	1	2	1	96	36	11	228	1.32	145.1
DF	S	CU														30	9		0.00	5.0
DF	**Totals**															30	9		0.00	5.0
WH		2M	83		1,223	1,223	127			33	67				100	40	18	538	2.70	2.3
WH		3M	14		209	209	22		100				6		94	39	8	88	0.76	2.4
WH		4M	3		36	36	4		100			11	89			24	6	35	0.55	1.0
WH	**Totals**		4		1,467	1,467	153		17	27	56	0	3		97	37	11	260	1.58	5.6
RA		CR	100	.7	428	425	44		85	15			9	21	70	35	8	80	0.78	5.3
RA	**Totals**		1	.7	428	425	44		85	15			9	21	70	35	8	80	0.78	5.3
Totals				0.3	35,124	35,029	3,643		21	31	47	1	2	2	96	36	11	218	1.28	161.0

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/5/2024

T01N R05W S33 Ty00MC 97.00
T01N R05W S33 Ty00MC 7.00

Project RODDOD
Acres 104.00

Time: 3:20:25PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		9	1	82	50	2.815	1.24	2.81	6.0	30.0	.48	17	84	50	18	9
DF		10	1	88	85	2.280	1.24	2.28	12.8	60.0	.83	29	137	86	30	14
DF		14	2	87	114	2.327	2.49	4.65	20.3	92.5	2.69	94	430	279	98	45
DF		16	3	87	112	2.672	3.73	5.34	25.7	110.0	3.91	137	588	406	143	61
DF		17	6	88	117	4.734	7.46	11.05	26.9	114.3	8.47	297	1,262	881	309	131
DF		18	6	88	120	3.900	6.89	9.21	30.5	130.0	8.01	281	1,197	833	292	124
DF		19	7	87	125	4.131	8.13	11.13	30.9	127.9	9.80	344	1,424	1,020	358	148
DF		20	8	89	136	4.299	9.38	12.90	33.8	153.2	12.41	435	1,975	1,291	453	205
DF		21	6	88	138	3.102	7.46	9.31	38.1	178.9	10.11	355	1,665	1,052	369	173
DF		22	4	86	141	1.884	4.97	5.65	41.6	188.3	6.71	235	1,065	698	245	111
DF		23	7	87	140	3.017	8.71	9.05	46.2	214.3	11.93	418	1,940	1,240	435	202
DF		24	7	88	141	2.771	8.71	8.31	51.3	235.7	12.14	426	1,959	1,263	443	204
DF		25	10	87	146	3.648	12.44	10.94	56.1	260.0	17.50	614	2,846	1,820	639	296
DF		26	6	86	134	2.024	7.46	6.07	56.7	252.8	9.80	344	1,535	1,020	358	160
DF		27	3	87	142	.938	3.73	2.81	64.4	305.6	5.16	181	860	537	188	89
DF		28	3	86	148	.872	3.73	2.62	72.0	353.3	5.37	188	925	559	196	96
DF		29	9	86	151	2.440	11.19	7.59	73.7	365.7	15.95	560	2,776	1,659	582	289
DF		30	8	87	150	1.911	9.38	5.73	82.2	409.2	13.43	471	2,346	1,397	490	244
DF		31	6	87	155	1.424	7.46	4.51	87.5	445.3	11.24	394	2,007	1,169	410	209
DF		32	5	87	149	1.113	6.22	3.34	95.6	480.0	9.10	319	1,603	947	332	167
DF		33	2	87	168	.419	2.49	1.47	94.2	491.4	3.94	138	720	409	144	75
DF		34	4	87	155	.789	4.97	2.56	100.5	529.2	7.35	258	1,357	764	268	141
DF		36	3	87	165	.447	3.16	1.61	106.0	582.7	4.87	171	940	506	178	98
DF		37	2	85	146	.257	1.92	.77	123.9	634.5	2.72	95	489	283	99	51
DF		38	2	88	170	.316	2.49	1.11	133.0	755.7	4.19	147	835	436	153	87
DF		41	1	83	147	.073	.67	.22	152.9	786.7	.96	34	173	100	35	18
DF		Totals	122	87	128	54.602	147.72	143.05	48.8	231.6	199.08	6,985	33,137	20,705	7,265	3,446
WH		15	1	87	53	1.013	1.24	1.01	25.3	60.0	.82	26	61	85	27	6
WH		16	1	84	85	.482	.67	.96	23.5	90.0	.72	23	87	75	24	9
WH		21	1	83	111	.517	1.24	1.03	48.9	190.0	1.62	51	196	168	53	20
WH		27	1	94	131	.313	1.24	.94	70.1	363.3	2.10	66	341	219	68	35
WH		31	1	84	132	.237	1.24	.71	87.6	416.7	1.99	62	297	207	65	31
WH		33	2	84	140	.227	1.35	.68	102.8	505.0	2.24	70	343	233	73	36
WH		35	1	83	122	.101	.67	.30	102.4	470.0	.99	31	142	103	32	15
WH		Totals	8	86	93	2.890	7.67	5.64	58.1	259.9	10.49	328	1,467	1,091	341	153
RA		13	2	75	69	2.079	1.92	2.08	24.5	66.5	1.40	51	138	145	53	14
RA		14	1	73	78	.630	.67	.63	25.2	70.0	.44	16	44	45	17	5
RA		15	1	73	117	.548	.67	1.10	23.0	80.0	.69	25	88	72	26	9
RA		17	1	74	95	.427	.67	.85	28.0	80.0	.66	24	68	68	25	7
RA		20	1	74	128	.309	.67	.62	45.6	140.0	.77	28	86	80	29	9
RA		Totals	6	74	84	3.993	4.61	5.28	27.3	80.5	3.96	144	425	412	150	44
DF	S	15	1	74	37	1.013	1.24									
DF	S	17	2	77	58	1.216	1.92									
DF	S	20	1	85	50	.570	1.24									
DF	S	22	1	85	60	.471	1.24									
DF	S	28	1	89	110	.291	1.24									
DF	S	Totals	6	80	55	3.561	6.89									
Totals			142	86	120	65.046	166.89	153.97	48.4	227.5	213.53	7,457	35,029	22,208	7,756	3,643

TC PLOGSTVB

Log Stock Table - MBF

T01N R05W S33 Ty00MC 97.00
T01N R05W S33 Ty00MC 7.00

Project: RODDOD
Acres 104.00

Page 1
Date 11/5/2024
Time 3:20:23PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF			2M	16	9		9	.3								9				
DF			2M	30	17		17	.5									17			
DF			2M	40	2,721		2,712	78.7						453	422	908	693	235		
DF			3M	32	27		27	.8			24	3								
DF			3M	34	19		19	.5			19									
DF			3M	36	5		5	.1			5									
DF			3M	38	34		34	1.0			33		1							
DF			3M	40	565		565	16.4			84	182	299							
DF			4M	12	2		2	.1			2	0								
DF			4M	14	3		3	.1			2	1								
DF			4M	16	2		2	.1			2	1								
DF			4M	18	2		2	.1			2									
DF			4M	20	6		6	.2			6									
DF			4M	22	15		15	.4			13	2								
DF			4M	24	9		9	.2			9									
DF			4M	26	5		5	.1			5									
DF			4M	28	3		3	.1			3									
DF			4M	30	12		12	.4			12									
DF		Totals			3,456		3,446	94.6			220	189	300	453	422	918	710	235		
WH			2M	40	127		127	83.4							42	6	57	22		
WH			3M	28	1		1	.8			1									
WH			3M	40	20		20	13.4			6	5	9							
WH			4M	20	0		0	.3				0								
WH			4M	22	2		2	1.3			2	0								
WH			4M	30	1		1	.9			1									
WH		Totals			153		153	4.2			10	6	9		42	6	57	22		
RA			CR	22	2		2	4.0			2									
RA			CR	26	2		2	5.2			2									
RA			CR	32	5		5	10.4				5								
RA			CR	34	5		5	10.3			5									
RA			CR	38	10		10	22.2			10									
RA			CR	40	21	1.5	21	47.9				15		6						
RA		Totals			44		44	1.2			18	19		6						
Total		All Species			3,653		3,643	100.0			249	214	310	459	464	924	767	257		

TC PSTATS

PROJECT STATISTICS

PROJECT RODDOD

DATE 11/5/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U1	00MC	97.00	30	125	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	30	125	4.2		
CRUISE	30	125	4.2	6,213	2.0
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	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	115	57.0	22.2	128	32.5	153.3	34,475	34,377	7,248	7,248
DOUG FIR-S	5	3.4	19.1	49	1.5	6.7				
WHEMLOCK	4	2.2	20.9	88	1.2	5.3	959	959	219	219
R ALDER	1	1.4	13.0	72	0.4	1.3	101	101	37	37
TOTAL	*125*	*64.1*	*21.8*	*121*	*35.7*	*166.7*	*35,535*	*35,437*	*7,503*	*7,503*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0 — **SAMPLE TREES - BF**

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	62.2	5.8	811	860	910			
DOUG FIR-S								
WHEMLOCK	81.7	46.7	371	695	1,019			
R ALDER								
TOTAL	*67.8*	*6.1*	*765*	*814*	*864*	*184*	*46*	*20*

CL 68.1 SD: 1.0 — **SAMPLE TREES - CF**

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	54.2	5.0	167	176	185			
DOUG FIR-S								
WHEMLOCK	72.1	41.2	88	149	210			
R ALDER								
TOTAL	*59.9*	*5.4*	*158*	*167*	*176*	*143*	*36*	*16*

CL 68.1 SD: 1.0 — **TREES/ACRE**

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	52.4	9.7	51	57	63			
DOUG FIR-S	248.4	46.1	2	3	5			
WHEMLOCK	305.8	56.8	1	2	3			
R ALDER	547.7	101.7		1	3			
TOTAL	*52.1*	*9.7*	*58*	*64*	*70*	*112*	*28*	*12*

CL 68.1 SD: 1.0 — **BASAL AREA/ACRE**

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	29.1	5.4	145	153	162			
DOUG FIR-S	227.4	42.2	4	7	9			
WHEMLOCK	259.3	48.1	3	5	8			
R ALDER	547.7	101.7		1	3			
TOTAL	*26.8*	*5.0*	*158*	*167*	*175*	*30*	*7*	*3*

CL 68.1 SD: 1.0 — **NET BF/ACRE**

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	38.5	7.1	31,919	34,377	36,834			
DOUG FIR-S								
WHEMLOCK	291.9	54.2	439	959	1,479			
R ALDER	547.7	101.7		101	204			

TC PSTATS

PROJECT STATISTICS

PROJECT RODDOD

DATE 11/5/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U1	00MC	97.00	30	125	S	W

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*38.8*	*7.2*	*32,883*	*35,437*	*37,991*	*62*	*16*	*7*

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	33.8	6.3	6,793	7,248	7,702			
DOUG FIR-S								
WHEMLOCK	273.1	50.7	108	219	330			
R ALDER	547.7	101.7		37	74			
TOTAL	*33.6*	*6.2*	*7,035*	*7,503*	*7,972*	*47*	*12*	*5*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T01N R05W S33 Ty00MC 97.00

Project: **RODDOD**

Acres **97.00**

Page **1**

Date **11/5/2024**

Time **2:35:35PM**

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF			CU														10	15		0.00	2.2
DF			2M	79	.4	27,317	27,219	2,640			40	60	0	1		99	40	16	422	2.09	64.5
DF			3M	19		6,558	6,558	636		100					7	93	39	8	104	0.70	63.1
DF			4M	2		600	600	58		100			25	75			22	6	28	0.36	21.5
DF Totals				97	.3	34,475	34,377	3,335		21	32	47	1	2	1	96	36	11	227	1.32	151.3
DF	S		CU														29	9		0.00	4.5
DF Totals																	29	9		0.00	4.5
WH			2M	85		818	818	79			43	57				100	40	17	472	2.37	1.7
WH			3M	13		128	128	12		100				10		90	38	7	67	0.67	1.9
WH			4M	2		13	13	1		100				100			30	6	40	0.63	.3
WH Totals				3		959	959	93		15	36	49		3		97	38	11	242	1.44	4.0
RA			CR	100		101	101	10		100						100	38	7	70	0.67	1.4
RA Totals				0		101	101	10		100						100	38	7	70	0.67	1.4
Totals					0.3	35,535	35,437	3,437		21	32	47	1	2	1	96	36	11	220	1.28	161.2

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/5/2024

T01N R05W S33 Ty00MC 97.00

Project RODDOD
Acres 97.00

Time: 2:35:36PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		9	1	82	50	3.018	1.33	3.02	6.0	30.0	.52	18	91	50	18	9
DF		10	1	88	85	2.445	1.33	2.44	12.8	60.0	.89	31	147	86	30	14
DF		14	2	87	114	2.495	2.67	4.99	20.3	92.5	2.88	101	461	279	98	45
DF		16	3	87	112	2.865	4.00	5.73	25.7	110.0	4.19	147	630	406	143	61
DF		17	6	88	117	5.075	8.00	11.84	26.9	114.3	9.08	319	1,353	881	309	131
DF		18	5	88	121	3.773	6.67	9.05	30.3	130.0	7.81	274	1,177	758	266	114
DF		19	6	87	125	4.063	8.00	10.83	31.1	129.4	9.61	337	1,402	932	327	136
DF		20	7	89	135	4.278	9.33	12.83	33.6	152.4	12.31	432	1,956	1,194	419	190
DF		21	6	88	138	3.326	8.00	9.98	38.1	178.9	10.84	380	1,785	1,052	369	173
DF		22	4	86	141	2.020	5.33	6.06	41.6	188.3	7.19	252	1,141	698	245	111
DF		23	7	87	140	3.235	9.33	9.70	46.2	214.3	12.79	449	2,080	1,240	435	202
DF		24	7	88	141	2.971	9.33	8.91	51.3	235.7	13.02	457	2,101	1,263	443	204
DF		25	10	87	146	3.911	13.33	11.73	56.1	260.0	18.77	658	3,051	1,820	639	296
DF		26	6	86	134	2.170	8.00	6.51	56.7	252.8	10.51	369	1,645	1,020	358	160
DF		27	3	87	142	1.006	4.00	3.02	64.4	305.6	5.54	194	922	537	188	89
DF		28	3	86	148	.935	4.00	2.81	72.0	353.3	5.76	202	992	559	196	96
DF		29	9	86	151	2.616	12.00	8.14	73.7	365.7	17.10	600	2,977	1,659	582	289
DF		30	7	87	151	1.901	9.33	5.70	82.7	413.8	13.44	472	2,360	1,304	458	229
DF		31	6	87	155	1.526	8.00	4.83	87.5	445.3	12.05	423	2,152	1,169	410	209
DF		32	5	87	149	1.194	6.67	3.58	95.6	480.0	9.76	342	1,719	947	332	167
DF		33	2	87	168	.449	2.67	1.57	94.2	491.4	4.22	148	772	409	144	75
DF		34	4	87	155	.846	5.33	2.75	100.5	529.2	7.88	276	1,455	764	268	141
DF		36	2	87	165	.377	2.67	1.32	108.8	602.9	4.09	144	796	397	139	77
DF		37	1	85	138	.179	1.33	.54	118.8	590.0	1.81	64	316	176	62	31
DF		38	2	88	170	.339	2.67	1.19	133.0	755.7	4.49	158	896	436	153	87
DF		Totals	115	87	128	57.013	153.33	149.09	48.6	230.6	206.56	7,248	34,377	20,036	7,030	3,335
WH		15	1	87	53	1.086	1.33	1.09	25.3	60.0	.88	27	65	85	27	6
WH		21	1	83	111	.554	1.33	1.11	48.9	190.0	1.74	54	211	168	53	20
WH		27	1	94	131	.335	1.33	1.01	70.1	363.3	2.26	71	366	219	68	35
WH		31	1	84	132	.254	1.33	.76	87.6	416.7	2.14	67	318	207	65	31
WH		Totals	4	87	88	2.231	5.33	3.96	55.3	242.0	7.01	219	959	680	213	93
RA		13	1	76	72	1.447	1.33	1.45	25.4	70.0	1.01	37	101	98	36	10
RA		Totals	1	76	72	1.447	1.33	1.45	25.4	70.0	1.01	37	101	98	36	10
DF	S	15	1	74	37	1.086	1.33									
DF	S	17	1	73	35	.846	1.33									
DF	S	20	1	85	50	.611	1.33									
DF	S	22	1	85	60	.505	1.33									
DF	S	28	1	89	110	.312	1.33									
DF	S	Totals	5	79	49	3.360	6.67									
Totals			125	86	121	64.050	166.67	154.50	48.6	229.4	214.58	7,503	35,437	20,814	7,278	3,437

TC PLOGSTVB

Log Stock Table - MBF

T01N R05W S33 Ty00MC 97.00

Project: RODDOD
Acres 97.00

Page 1
Date 11/5/2024
Time 2:35:33PM

Spp	ST	So rt	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF			2M	16	9		9	.3								9				
DF			2M	30	17		17	.5									17			
DF			2M	40	2,624		2,614	78.4						432	409	908	664	201		
DF			3M	32	26		26	.8			23	3								
DF			3M	34	17		17	.5			17									
DF			3M	36	5		5	.1			5									
DF			3M	38	33		33	1.0			33									
DF			3M	40	555		555	16.6			81	179	295							
DF			4M	12	2		2	.0			2									
DF			4M	14	3		3	.1			2	1								
DF			4M	16	2		2	.1			2	1								
DF			4M	18	2		2	.1			2									
DF			4M	20	6		6	.2			6									
DF			4M	22	15		15	.5			13	2								
DF			4M	24	9		9	.3			9									
DF			4M	26	5		5	.1			5									
DF			4M	28	3		3	.1			3									
DF			4M	30	12		12	.4			12									
DF		Totals			3,344		3,335	97.0			215	185	295	432	409	918	681	201		
WH			2M	40	79		79	85.3							34		45			
WH			3M	28	1		1	1.3			1									
WH			3M	40	11		11	12.0			6	5								
WH			4M	30	1		1	1.4			1									
WH		Totals			93		93	2.7			9	5			34		45			
RA			CR	38	10		10	100.0			10									
RA		Totals			10		10	.3			10									
Total		All Species			3,447		3,437	100.0			233	190	295	432	443	918	726	201		

TC PSTATS

PROJECT STATISTICS

PROJECT RODDOD

DATE 11/5/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U2	00MC	7.00	4	17	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	17	4.3		
CRUISE	4	17	4.3	552	3.1
DBH COUNT					
REFOREST					
COUNT					
BLANKS					
100 %					

STAND SUMMARY

	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	7	21.2	24.6	133	14.1	70.0	15,965	15,965	3,351	3,351
DOUG FIR-S	1	6.3	17.0	100	2.4	10.0				
R ALDER	5	39.3	15.3	91	12.8	50.0	4,954	4,908	1,630	1,630
WHEMLOCK	4	12.0	24.7	105	8.0	40.0	8,501	8,501	1,835	1,835
TOTAL	*17*	*78.9*	*19.9*	*105*	*38.1*	*170.0*	*29,420*	*29,374*	*6,816*	*6,816*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	74.3	30.2	869	1,246	1,622			
DOUG FIR-S								
R ALDER	60.8	30.2	102	146	190			
WHEMLOCK	57.8	33.0	774	1,155	1,536			
TOTAL	*100.9*	*25.2*	*619*	*828*	*1,036*	*432*	*108*	*48*

CL 68.1 SD: 1.0

SAMPLE TREES - CF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	67.3	27.4	180	248	315			
DOUG FIR-S								
R ALDER	57.7	28.6	34	48	62			
WHEMLOCK	54.4	31.1	167	243	318			
TOTAL	*89.9*	*22.5*	*134*	*173*	*212*	*343*	*86*	*38*

CL 68.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	110.5	63.1	8	21	35			
DOUG FIR-S	200.0	114.3		6	14			
R ALDER	159.9	91.3	3	39	75			
WHEMLOCK	164.8	94.2	1	12	23			
TOTAL	*47.3*	*27.0*	*58*	*79*	*100*	*117*	*29*	*13*

CL 68.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	85.7	49.0	36	70	104			
DOUG FIR-S	200.0	114.3		10	21			
R ALDER	151.4	86.5	7	50	93			
WHEMLOCK	141.4	80.8	8	40	72			
TOTAL	*11.8*	*6.7*	*159*	*170*	*181*	*7*	*2*	*1*

CL 68.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	83.2	47.5	8,374	15,965	23,556			
DOUG FIR-S								
R ALDER	150.0	85.7	702	4,908	9,114			
WHEMLOCK	127.5	72.8	2,310	8,501	14,692			

TC PSTATS

PROJECT STATISTICS

PROJECT RODDOD

DATE 11/5/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
01N	05	33	00U2	00MC	7.00	4	17	S	W

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*46.9*	*26.8*	*21,507*	*29,374*	*37,241*	*115*	*29*	*13*

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	83.7	47.8	1,749	3,351	4,953			
DOUG FIR-S								
R ALDER	147.7	84.4	254	1,630	3,006			
WHEMLOCK	131.7	75.3	454	1,835	3,216			
TOTAL	*32.6*	*18.6*	*5,545*	*6,816*	*8,087*	*56*	*14*	*6*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T01N R05W S33 Ty00MC 7.00

Project: **RODDOD**

Acres **7.00**

Page **1**

Date **11/5/2024**

Time **3:04:56PM**

Spp	ST	So Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
RA		CR	100	.9	4,954	4,908	34		81	19			12	27	62	34	8	84	0.83	58.4
RA Totals			17	.9	4,954	4,908	34		81	19			12	27	62	34	8	84	0.83	58.4
DF		2M	87		13,898	13,898	97			35	65				100	40	16	466	2.32	29.8
DF		3M	12		1,988	1,988	14		100					18	82	38	8	86	0.63	23.0
DF		4M	1		79	79	1		100			100				12	6	12	0.34	6.5
DF Totals			54		15,965	15,965	112		13	30	57	0		2	97	36	12	269	1.56	59.4
DF	S	CU														37	9		0.00	12.7
DF Totals																37	9		0.00	12.7
WH		2M	80		6,832	6,832	48			17	83				100	40	20	702	3.51	9.7
WH		3M	15		1,327	1,327	9		100						100	40	10	150	1.01	8.8
WH		4M	5		342	342	2		100			18	82			22	7	33	0.50	10.3
WH Totals			29		8,501	8,501	60		20	13	67	1	3		96	33	12	294	1.90	28.9
Totals				0.2	29,420	29,374	206		26	23	50	0	3	6	91	35	10	184	1.23	159.3

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/5/2024

T01N R05W S33 Ty00MC 7.00

Project RODDOD
Acres 7.00

Time: 3:04:57PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF		18	1	86	113	5.659	10.00	11.32	33.4	130.0	10.78	378	1,471	75	26	10
DF		19	1	86	122	5.079	10.00	15.24	28.8	113.3	12.52	439	1,727	88	31	12
DF		20	1	88	146	4.584	10.00	13.75	35.2	163.3	13.80	484	2,246	97	34	16
DF		30	1	84	140	2.037	10.00	6.11	76.1	350.0	13.25	465	2,139	93	33	15
DF		36	1	86	163	1.415	10.00	5.66	96.9	517.5	15.62	548	2,928	109	38	20
DF		37	1	86	160	1.339	10.00	4.02	133.3	716.7	15.26	535	2,879	107	37	20
DF		41	1	83	147	1.091	10.00	3.27	152.9	786.7	14.25	500	2,574	100	35	18
DF		Totals	7	86	133	21.203	70.00	59.37	56.4	268.9	95.50	3,351	15,965	668	235	112
WH		16	1	84	85	7.162	10.00	14.32	23.5	90.0	10.77	337	1,289	75	24	9
WH		33	2	84	140	3.367	20.00	10.10	102.8	505.0	33.23	1,038	5,101	233	73	36
WH		35	1	83	122	1.497	10.00	4.49	102.4	470.0	14.72	460	2,110	103	32	15
WH		Totals	4	84	105	12.026	40.00	28.92	63.5	294.0	58.72	1,835	8,501	411	128	60
RA		13	1	74	63	10.849	10.00	10.85	22.7	60.0	6.78	246	651	47	17	5
RA		14	1	73	78	9.354	10.00	9.35	25.2	70.0	6.49	236	655	45	17	5
RA		15	1	73	117	8.149	10.00	16.30	23.0	80.0	10.30	375	1,304	72	26	9
RA		17	1	74	95	6.344	10.00	12.69	28.0	80.0	9.77	355	1,015	68	25	7
RA		20	1	74	128	4.584	10.00	9.17	45.6	140.0	11.50	418	1,283	80	29	9
RA		Totals	5	74	91	39.280	50.00	58.36	27.9	84.1	44.84	1,630	4,908	314	114	34
DF	S	17	1	85	100	6.344	10.00									
DF	S	Totals	1	85	100	6.344	10.00									
Totals			17	79	105	78.853	170.00	146.64	46.5	200.3	199.05	6,816	29,374	1,393	477	206

TC PLOGSTVB

Log Stock Table - MBF

T01N R05W S33 Ty00MC 7.00

Project: RODDOD
Acres 7.00

Page 1
Date 11/5/2024
Time 3:04:56PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
RA			CR	22	2		2	5.2			2									
RA			CR	26	2		2	6.6			2									
RA			CR	32	5		5	13.3				5								
RA			CR	34	5		5	13.3			5									
RA			CR	40	21	1.5	21	61.6				15		6						
RA			Totals		35		34	16.7			9	19		6						
DF			2M	40	97		97	87.1						20	13		29	34		
DF			3M	32	1		1	.8			1									
DF			3M	34	2		2	1.4			2									
DF			3M	38	1		1	1.0					1							
DF			3M	40	10		10	9.3			2	3	5							
DF			4M	12	1		1	.5			0	0								
DF			Totals		112		112	54.4			5	3	6	20	13		29	34		
WH			2M	40	48		48	80.4							8	6	11	22		
WH			3M	40	9		9	15.6					9							
WH			4M	20	0		0	.7				0								
WH			4M	22	2		2	3.3			2	0								
WH			Totals		60		60	28.9			2	1	9		8	6	11	22		
Total			All Species		206		206	100.0			15	24	15	27	21	6	40	57		

Volume Summary
(Shown in MBF)
Rodger Dodger
FG-341-2025-W01198-01
November 2024

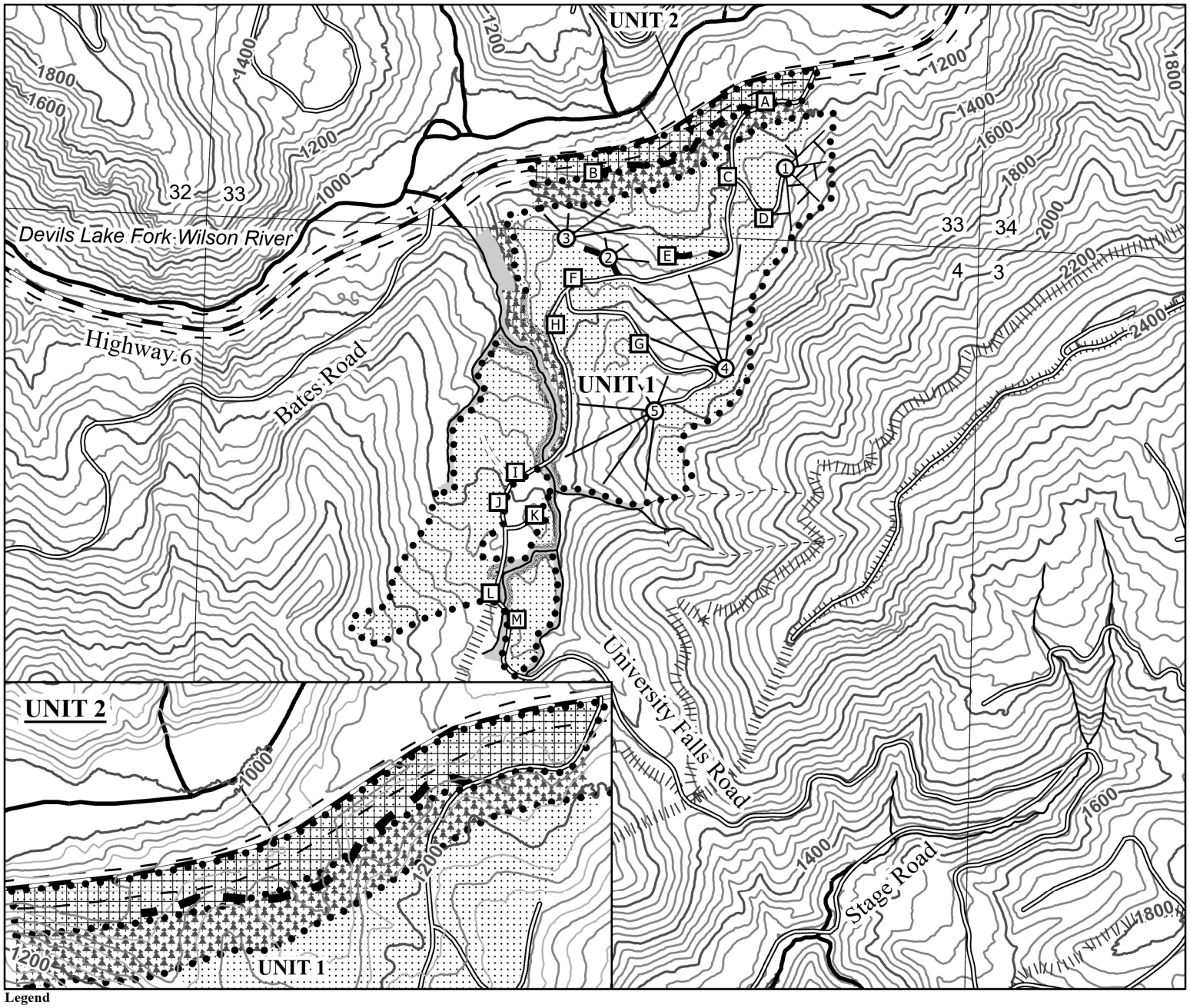
UNIT 1: Modified Clearcut (97 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
Douglas-fir	Cruise Volume	2,640	636	58	0	3,334
	Hidden D&B (2%)	(53)	(13)	(1)	(0)	(67)
	NET TOTAL	2,587	623	57	0	3,267
	% of Total	79	19	2	0	
Western hemlock	Cruise Volume	79	12	1	0	92
	Hidden D&B (2%)	(2)	(0)	(0)	(0)	(2)
	NET TOTAL	77	12	1	0	90
	% of Total	86	13	1	0	
Red alder	Cruise Volume	0	0	0	10	10
	Hidden D&B (5%)	(0)	(0)	(0)	(1)	(1)
	NET TOTAL	0	0	0	9	9
	% of Total	0	0	0	100	

UNIT 2: Modified Clearcut (7 Acres)

SPECIES		2 SAW	3 SAW	4 SAW	CAMP RUN	TOTAL
Douglas-fir	Cruise Volume	97	14	1	0	112
	Hidden D&B (2%)	(2)	(0)	(0)	0	(2)
	NET TOTAL	95	14	1	0	110
	% of Total	86	13	1	0	
Western hemlock	Cruise Volume	48	9	2	0	59
	Hidden D&B (2%)	(1)	(0)	(0)	(0)	(1)
	NET TOTAL	47	9	2	0	58
	% of Total	81	16	3	0	
Red alder	Cruise Volume	0	0	0	34	34
	Hidden D&B (5%)	(0)	(0)	(0)	(2)	(2)
	NET TOTAL	0	0	0	32	32
	% of Total	0	0	0	100	

SALE TOTAL					
SPECIES	**2 SAW**	**3 SAW**	**4 SAW**	**CAMP RUN**	**TOTAL**
Douglas-fir	2,682	637	58	0	3,377
Western hemlock	124	21	3	0	148
Red alder	0	0	0	41	41
Total	2,806	658	61	41	3,566



Legend

- Timber Sale Boundary
- Posted Stream Buffer Boundary
- ODF Ownership Boundary
- Paved Road
- Surfaced Road
- Unsurfaced Road
- New Road Construction
- Recreation Trail
- Type-F Stream
- Type-N Stream Perennial
- Type-N Stream Seasonal
- Stream Buffer
- Downhill Cable Yarding Area
- Cable Yarding Area
- Tractor Yarding Area
- Cable Landing
- Tractor Landing
- Reserve Tree Area
- Controlled Felling Area
- Section Lines
- 40 Foot Contour Bands
- 200 Foot Contour Bands

LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2025-W01198-01
RODGER DODGER
PORTIONS OF SECTION 4, T1N, R6W, W.M., &
PORTIONS OF SECTION 33, T2N, R6W, W.M.,
TILLAMOOK COUNTY, OREGON

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

1:12,000

1 inch = 12,000 feet

0 500 1,000 2,000
Feet

N

APROXIMATE NET ACRES	TRACTOR	CABLE
UNIT 1	62	35
UNIT 2	7	0
TOTAL	69	35