



STEWARDSHIP IN FORESTRY

Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$2,291,858.40	\$0.00	\$2,291,858.40
		Project Work:	(\$148,281.00)
		Advertised Value:	\$2,143,577.40



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

---

**Timber Description**

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	26	0	98
Western Hemlock / Fir	31	0	98

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	4,101	638	4,739
Western Hemlock / Fir	63	9	72
Total	4,164	647	4,811

**Comments:** LOCAL POND VALUES, JANUARY 2024

WESTERN REDCEDAR AND OTHER CEDARS:  
STUMPAGE PRICE = POND VALUE - DOUG-FIR LOGGING COST  
 $\$982.23 = \$1,293.00 - \$310.77$

BIGLEAF MAPLE AND OTHER HARDWOODS:  
STUMPAGE PRICE = POND VALUE - DOUG-FIR LOGGING COST  
 $\$37.23 = \$348.00 - \$310.77$

NOBLE FIR AND OTHER CONIFERS:  
STUMPAGE PRICE = POND VALUE - WESTERN HEMLOCK LOGGING COST  
 $\$206.44 = \$548.12 - \$341.68$

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:  
20 HOURS X \$200/HOUR = \$4,000

MACHINE TIME TO PILE LANDING SLASH:  
20 HOURS X \$200/HOUR = \$4,000

TOTAL OTHER COSTS (NO P&R) = \$11,000

SLASH TREATMENT: 20 ACRES X \$250/ACRE = \$5,000

ROAD MAINTENANCE (INCLUDES SPOT ROCKING, GRADING, & ROLLING):  
MOVE IN: \$940.29

GENERAL ROAD MAINT: 6.65 miles X \$2,838.49 = \$18,875.95  
TOTAL ROAD MAINTENANCE: \$19,816.24 / 4,811 MBF = \$4.12 /MBF



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

---

**Logging Conditions**

**Combination#: 1**                      Douglas - Fir                      53.84%  
   Western Hemlock / Fir                      54.64%

**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:** 12                      **bd. ft / load:** 4600  
**cost / mbf:** \$144.53  
**machines:** Log Loader (A)  
                         Forwarder  
                         Harvester  
                         Tower Yarder (Medium)

---

**Combination#: 2**                      Douglas - Fir                      46.16%  
   Western Hemlock / Fir                      45.36%

**Logging System:** Shovel                      **Process:** Manual Falling/Delimbing  
**yarding distance:** Short (400 ft)                      **downhill yarding:** No  
**tree size:** Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF  
**loads / day:** 20.5                      **bd. ft / load:** 4600  
**cost / mbf:** \$106.05  
**machines:** Shovel Logger

---



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

### Logging Costs

Operating Seasons: 2.00	Profit Risk: 15%
Project Costs: \$148,281.00	Other Costs (P/R): \$0.00
Slash Disposal: \$5,000.00	Other Costs: \$11,000.00

Miles of Road

Road Maintenance: \$4.12

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
Grand Fir	\$0.00	1.0	4.0



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

### Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$126.77	\$4.20	\$1.82	\$132.81	\$0.00	\$39.84	\$1.04	\$2.00	\$2.29	\$310.77
Western Hemlock / Fir									
\$127.08	\$4.20	\$1.82	\$159.38	\$0.00	\$43.87	\$1.04	\$2.00	\$2.29	\$341.68

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$791.25	\$480.48	\$0.00
Western Hemlock / Fir	\$0.00	\$548.12	\$206.44	\$0.00



Timber Sale Appraisal  
Cry Wolf  
Sale FG-341-2024-W01016-01

District: Forest Grove

Date: March 21, 2024

### Summary

#### Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Western Hemlock / Fir	0	\$0.00	\$0.00

#### Unamortized

Specie	MBF	Value	Total
Douglas - Fir	4,739	\$480.48	\$2,276,994.72
Western Hemlock / Fir	72	\$206.44	\$14,863.68

#### Gross Timber Sale Value

Recovery: \$2,291,858.40

Prepared By: Adrian Torres

Phone: 503-359-7460

**TIMBER SALE SUMMARY**  
**Cry Wolf**  
**#FG-341-2024-W01016-01**

1. **Location:** Portions of Sections 26 & 35, T4N, R6W, W.M., Clatsop County, Oregon.
2. **Type of Sale:** This timber sale is 98 net acres of Modified Clearcut. The timber will be sold on a recovery basis at a sealed bid auction.
3. **Revenue Distribution:** 100% BOF; 100% Clatsop County
4. **Sale Acreage:** Acres are net of Stream Buffers, Green Tree Retention Areas and road prisms. Acreage was determined using ESRI ArcMap GIS Pro software.
5. **Cruise:** The Timber Sale was cruised by ODF timber cruisers in January of 2024. For more information, see Cruise Report.
6. **Timber Description:** The Timber Sale Area consists of a well-stocked, 85 year-old stand of Douglas-fir with minor components of western hemlock and grand fir. This timber stand has an average of 199 ft<sup>2</sup> of basal area and an average Douglas-fir DBH of 26 inches. The estimated average net Douglas-fir volume is approximately 48.7 MBF per acre.
7. **Topography and Logging Method:** Slopes within the Timber Sale Area range from 5% to 80% with variable aspects. Unit 1 is 28% ground-based yarding and 72% cable yarding. Unit 2 is 53% ground-based yarding and 47% cable yarding. The average horizontal skid trail length is 250 feet and the maximum is approximately 650 feet. The average cable yarding road length is 480 feet and the maximum is approximately 1,300 feet.
8. **Access:** Access to the Timber Sale Area is on surfaced roads. From Forest Grove, travel north on Highway 47 through Banks then merge onto Highway 26 westbound and continue for approximately 14.3 miles to North Fork Wolf Creek Road and turn right. Continue for 3.6 miles to access the eastern portion of Unit 2. Continue on North Fork Wolf Creek Road for an additional 0.7 miles to access the southeastern portion of Unit 1.
9. **Projects:**

Project No. 1: Rocked Road Construction	\$78,197.61
Project No. 2: Road Improve., Surface Rock Replacement, and Maint.	\$57,893.96
Project No. 3: Road Blocking	\$1,799.11
Project No. 4: Stream Enhancement	\$10,390.32
Total Credit for all Projects	\$148,281.00



**PROJECT COST SUMMARY SHEET**

Timber Sale: Cry Wolf  
Sale Number: FG-341-2024-W01016-01

**PROJECT NO. 1: ROCKED ROAD CONSTRUCTION**

Road Segment	Length	Cost
I to J	22+00	\$38,074.81
K to L	17+65	\$29,771.74
M to N	4+85	\$7,977.93
	44+50 stations	
	0.84 miles	
Total Rock =		
	68 cy	1½" - 0
	3,923 cy	4" - 0
		Move-in =
		\$2,373.13

**TOTAL PROJECT COST = \$78,197.61****PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE**

Road Segment	Length	Cost
A to B	279+60	\$35,292.20
C to D	17+60	\$12,556.44
E to F	1+20	\$1,509.58
G to H	8+70	\$6,263.48
Point O	-	\$515.30
	307+10 stations	
	5.82 miles	
Total Rock =		
	109 cy	1½" - 0
	2,196 cy	4" - 0
	24 cy	Riprap
		Move-in =
		\$1,756.96

**TOTAL PROJECT COST = \$57,893.96****PROJECT NO. 3: ROAD BLOCKING**

Road Segment	Length	Cost
V1 to V2	6+25	\$151.25
	6+25 stations	
	0.12 miles	
		Move-in =
		\$1,647.86

**TOTAL PROJECT COST = \$1,799.11****PROJECT NO. 4: STREAM ENHANCEMENT**

Segment	Sites	Cost
SE1 to SE2	6	\$8,575.00
SE3 to SE4	2	\$1,500.00
	8 Sites	
		Move-in =
		\$315.32

**TOTAL PROJECT COST = \$10,390.32****TOTAL CREDITS = \$148,281.00**

**SUMMARY OF CONSTRUCTION COST**

Timber Sale: Cry Wolf  
 Road Segment: A to B

Sale Number: FG-341-2024-W01016-01  
 Improvement: 279+60 stations  
5.30 miles

**PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE**

**IMPROVEMENT**

Clearing & grubbing (scatter)	3.21	ac @	\$1,692.00	per acre =	\$5,431.32
Clean culvert inlet & outlet, scatter waste	2	ea @	\$27.50	per ea =	\$55.00
Cutslope layback					
Excavate & load	356	cy @	\$1.81	per cy =	\$644.36
Haul	463	cy @	\$0.72	per cy =	\$333.36
Shape and compact waste material	463	cy @	\$0.35	per cy =	\$162.05
Settling pond waste material end-haul					
Excavate & load	12	cy @	\$1.94	per cy =	\$23.28
Haul	16	cy @	\$2.77	per cy =	\$44.32
Compact waste area	16	cy @	\$0.35	per cy =	\$5.60
Construct settling pond	12	ea @	\$27.50	per ea =	\$330.00
Approach to landing	1.15	sta @	\$866.00	per sta =	\$995.90
Construct roadside landing	1	ea @	\$181.50	per ea =	\$181.50
Excavate, place and & compact fill	85	cy @	\$5.07	per cy =	\$430.95
Improve landing	1	ea @	\$121.00	per ea =	\$121.00
Construct landing	1	ea @	\$345.40	per ea =	\$345.40
Grade, ditch, & roll	279.60	sta @	\$39.65	per sta =	\$11,086.14

**TOTAL IMPROVEMENT COSTS = \$20,190.18**

**CULVERTS**

Culverts and Bands					
18" Diameter	60	lf @	\$22.05	per lf =	\$1,323.00
Markers & Stakes					
Culvert markers	8	ea @	\$12.00	per ea =	\$96.00

**TOTAL CULVERT COSTS = \$1,419.00**

**ROCK**

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Subgrade rock</b>						
Bedding and backfill	1½" - 0	\$6.15	\$25.12	\$0.55	48	\$1,527.36
Subtotal =					48	\$1,527.36
<b>Surfacing rock</b>						
Base rock	4" - 0	\$1.09	\$8.28	\$1.35	130	\$1,393.60
Surfacing rock	1½" - 0	\$6.15	\$25.12	\$1.35	37	\$1,206.94
Spot Rock	1½" - 0	\$6.15	\$25.12	\$1.35	24	\$782.88
Junction	4" - 0	\$1.09	\$8.28	\$1.35	150	\$1,608.00
Approach to landing	4" - 0	\$1.09	\$8.28	\$1.35	75	\$804.00
Approach to landing	4" - 0	\$1.09	\$8.28	\$1.35	32	\$343.04
Landing	4" - 0	\$1.09	\$8.28	\$1.35	190	\$2,036.80
Subtotal =					638	\$8,175.26

Totals		All Rock =	686
		1½" - 0	109
		4" - 0	577

**TOTAL ROCK COSTS = \$9,702.62**

**EROSION CONTROL**

Grass seed & fertilizer	3.21	ac @	\$1,240.00	per ac =	\$3,980.40
-------------------------	------	------	------------	----------	------------

**TOTAL EROSION CONTROL COSTS = \$3,980.40**

**TOTAL PROJECT COST = \$35,292.20**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Road Segment: C to D

Sale Number: FG-341-2024-W01016-01  
Improvement: 17+60 stations  
0.33 miles

## PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE

### IMPROVEMENT

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 turnaround	1	ea @	\$45.38	per ea =	\$45.38
Construct roadside landing	1	ea @	\$181.50	per ea =	\$181.50
Improve roadside landing	1	ea @	\$90.75	per ea =	\$90.75
Improve landing	1	ea @	\$172.70	per ea =	\$172.70
Construct ditchout	1	ea @	\$50.00	per ea =	\$50.00
Grade, ditch, & roll	17.60	sta @	\$39.65	per sta =	\$697.84

TOTAL IMPROVEMENT COSTS = \$1,620.99

### CULVERTS

Markers & Stakes					
Culvert markers	1	ea @	\$12.00	per ea =	\$12.00

TOTAL CULVERT COSTS = \$12.00

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Surfacing rock	4" - 0	\$1.09	\$8.17	\$1.35	739	\$7,840.79
Junction	4" - 0	\$1.09	\$8.17	\$1.35	12	\$127.32
Turnaround	4" - 0	\$1.09	\$8.17	\$1.35	14	\$148.54
Roadside landing	4" - 0	\$1.09	\$8.17	\$1.35	120	\$1,273.20
Landing	4" - 0	\$1.09	\$8.17	\$1.35	120	\$1,273.20
Subtotal =					1,005	\$10,663.05

Totals

All Rock =	1,005
4" - 0	1,005

TOTAL ROCK COSTS = \$10,663.05

### EROSION CONTROL

Grass seed & fertilizer	0.21	ac @	\$1,240.00	per ac =	\$260.40
-------------------------	------	------	------------	----------	----------

TOTAL EROSION CONTROL COSTS = \$260.40

**TOTAL PROJECT COST = \$12,556.44**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
 Road Segment: E to F

Sale Number: FG-341-2024-W01016-01  
 Improvement: 1+20 stations  
0.02 miles

## PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE

### IMPROVEMENT

Clearing & grubbing (scatter)	0.02	ac @	\$1,900.00	per acre =	\$38.00
Improve landing	1	ea @	\$121.00	per ea =	\$121.00
Grade, ditch, & roll	1.20	sta @	\$39.65	per sta =	\$47.58

TOTAL IMPROVEMENT COSTS = \$206.58

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Surfacing rock	4" - 0	\$1.09	\$8.27	\$1.35	50	\$535.50
Landing	4" - 0	\$1.09	\$8.27	\$1.35	60	\$642.60
Subtotal =					110	\$1,178.10

Totals	All Rock =	110
	4" - 0	110

TOTAL ROCK COSTS = \$1,178.10

### EROSION CONTROL

Grass seed & fertilizer	0.02	ac @	\$1,240.00	per ac =	\$24.80
Straw mulch acre	0.04	ac @	\$990.00	per ac =	\$39.60

TOTAL EROSION CONTROL COSTS = \$64.40

### ROAD BLOCKING

Construct tank trap	1	ea @	\$60.50	per ea =	\$60.50
---------------------	---	------	---------	----------	---------

TOTAL ROAD BLOCKING COSTS = \$60.50

**TOTAL PROJECT COST = \$1,509.58**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Road Segment: G to H

Sale Number: FG-341-2024-W01016-01  
Improvement: 8+70 stations  
0.16 miles

## PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE

### IMPROVEMENT

Clearing & grubbing (scatter)	0.10	ac @	\$1,692.00	per acre =	\$169.20
Improve turnout	1	ea @	\$36.30	per ea =	\$36.30
Improve roadside landing	1	ea @	\$90.75	per ea =	\$90.75
Improve landing	1	ea @	\$121.00	per ea =	\$121.00
Construct ditchout	1	ea @	\$50.00	per ea =	\$50.00
Grade, ditch, & roll	8.70	sta @	\$39.65	per sta =	\$344.95

TOTAL IMPROVEMENT COSTS = \$812.20

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Surfacing rock	4" - 0	\$1.09	\$8.13	\$1.35	365	\$3,858.05
Turnout	4" - 0	\$1.09	\$8.13	\$1.35	19	\$200.83
Roadside landing	4" - 0	\$1.09	\$8.13	\$1.35	60	\$634.20
Landing	4" - 0	\$1.09	\$8.13	\$1.35	60	\$634.20
Subtotal =					504	\$5,327.28

Totals

All Rock =	504
4" - 0	504

TOTAL ROCK COSTS = \$5,327.28

### EROSION CONTROL

Grass seed & fertilizer	0.10	ac @	\$1,240.00	per ac =	\$124.00
-------------------------	------	------	------------	----------	----------

TOTAL EROSION CONTROL COSTS = \$124.00

**TOTAL PROJECT COST = \$6,263.48**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Road Segment: I to J

Sale Number: FG-341-2024-W01016-01  
Construction: 22+00 stations  
0.42 miles

## PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

### CONSTRUCTION

Clearing & grubbing (scatter)	2.52	ac @	\$1,692.00 per ac =	\$4,263.84
Balanced road construction	16.55	sta @	\$120.00 per sta =	\$1,986.00
Drift	5.45	sta @	\$198.00 per sta =	\$1,079.10
Forest Road Gate				
16' Gate Construction & Installation	1	ea @	\$2,552.00 per ea =	\$2,552.00
Turnout	3	ea @	\$72.60 per ea =	\$217.80
Turnaround	1	ea @	\$90.75 per ea =	\$90.75
Approach to landing	1.30	sta @	\$120.00 per sta =	\$156.00
Roadside landing	1	ea @	\$181.50 per ea =	\$181.50
Landing - Small	1	ea @	\$242.00 per ea =	\$242.00
Landing - Large	1	ea @	\$345.40 per ea =	\$345.40
Grade, ditch, & roll	22.00	sta @	\$39.65 per sta =	\$872.30

**TOTAL CONSTRUCTION COSTS = \$11,986.69**

### CULVERTS

Culverts and Bands				
18" Diameter	60	lf @	\$22.05 per lf =	\$1,323.00
Markers & Stakes				
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
<b>Surfacing rock</b>						
Base rock	4" - 0	\$1.09	\$8.79	\$1.35	1,430	\$16,058.90
Junction	4" - 0	\$1.09	\$8.79	\$1.35	72	\$808.56
Turnout	4" - 0	\$1.09	\$8.79	\$1.35	87	\$977.01
Turnaround	4" - 0	\$1.09	\$8.79	\$1.35	20	\$224.60
Approach to landing	4" - 0	\$1.09	\$8.79	\$1.35	85	\$954.55
Roadside landing	4" - 0	\$1.09	\$8.79	\$1.35	95	\$1,066.85
Landing	4" - 0	\$1.09	\$8.79	\$1.35	95	\$1,066.85
Landing	4" - 0	\$1.09	\$8.79	\$1.35	180	\$2,021.40
Subtotal =					2,064	\$23,178.72

Totals

All Rock =	2,064
4" - 0	2,064

**TOTAL ROCK COSTS = \$23,178.72**

### EROSION CONTROL

Grass seed & fertilizer	1.26	ac @	\$1,240.00 per ac =	\$1,562.40
-------------------------	------	------	---------------------	------------

**TOTAL EROSION CONTROL COSTS = \$1,562.40**

**TOTAL PROJECT COST = \$38,074.81**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Road Segment: K to L

Sale Number: FG-341-2024-W01016-01  
Construction: 17+65 stations  
0.33 miles

## PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

### CONSTRUCTION

Clearing & grubbing (scatter)	2.03	ac @	\$1,692.00 per ac =	\$3,434.76
Balanced road construction	8.70	sta @	\$120.00 per sta =	\$1,044.00
Drift	8.95	sta @	\$198.00 per sta =	\$1,772.10
Settling pond waste material end-haul				
Excavate & load	12	cy @	\$1.94 per cy =	\$23.28
Haul	16	cy @	\$2.37 per cy =	\$37.92
Compact waste area	16	cy @	\$0.35 per cy =	\$5.60
Turnout	3	ea @	\$72.60 per ea =	\$217.80
Turnaround	1	ea @	\$90.75 per ea =	\$90.75
Landing - Large	1	ea @	\$345.40 per ea =	\$345.40
Grade, ditch, & roll	17.65	sta @	\$39.65 per sta =	\$699.82

**TOTAL CONSTRUCTION COSTS = \$7,671.43**

### CULVERTS

Culverts and Bands				
18" Diameter	60	lf @	\$22.05 per lf =	\$1,323.00
24" Diameter	40	lf @	\$31.90 per lf =	\$1,276.00
Markers & Stakes				
Culvert markers	3	ea @	\$12.00 per ea =	\$36.00

**TOTAL CULVERT COSTS = \$2,635.00**

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	4" - 0	\$1.09	\$8.91	\$1.35	855	\$9,704.25
Base rock	4" - 0	\$1.09	\$8.91	\$1.35	239	\$2,712.65
Junction	4" - 0	\$1.09	\$8.91	\$1.35	24	\$272.40
Turnout	4" - 0	\$1.09	\$8.91	\$1.35	87	\$987.45
Turnaround	4" - 0	\$1.09	\$8.91	\$1.35	20	\$227.00
Traction rock	1½" - 0	\$6.15	\$25.32	\$1.35	68	\$2,231.76
Landing	4" - 0	\$1.09	\$8.91	\$1.35	180	\$2,043.00
Subtotal =					1,473	\$18,178.51

Totals

All Rock =	1,473
1½" - 0	68
4" - 0	1,405

**TOTAL ROCK COSTS = \$18,178.51**

### EROSION CONTROL

Grass seed & fertilizer	1.02	ac @	\$1,240.00 per ac =	\$1,264.80
Straw mulch (bale)	2	ea @	\$11.00 per ea =	\$22.00

**TOTAL EROSION CONTROL COSTS = \$1,286.80**

**TOTAL PROJECT COST = \$29,771.74**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
 Road Segment: M to N

Sale Number: FG-341-2024-W01016-01  
 Construction: 4+85 stations  
0.09 miles

## PROJECT NO. 1: ROCKED ROAD CONSTRUCTION

### CONSTRUCTION

Clearing & grubbing (scatter)	0.56	ac @	\$1,692.00 per ac =	\$947.52
Balanced road construction	3.95	sta @	\$120.00 per sta =	\$474.00
Drift	0.90	sta @	\$198.00 per sta =	\$178.20
Turnout	1	ea @	\$72.60 per ea =	\$72.60
Turnaround	1	ea @	\$90.75 per ea =	\$90.75
Landing - Large	1	ea @	\$345.40 per ea =	\$345.40
Grade, ditch, & roll	4.85	sta @	\$39.65 per sta =	\$192.30

**TOTAL CONSTRUCTION COSTS = \$2,300.77**

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Surfacing rock</b>						
Base rock	4" - 0	\$1.09	\$9.30	\$1.35	315	\$3,698.10
Junction	4" - 0	\$1.09	\$9.30	\$1.35	24	\$281.76
Turnaround	4" - 0	\$1.09	\$9.30	\$1.35	20	\$234.80
Landing	4" - 0	\$1.09	\$9.30	\$1.35	95	\$1,115.30
Subtotal =					454	\$5,329.96

Totals

All Rock =	454
4" - 0	454

**TOTAL ROCK COSTS = \$5,329.96**

### EROSION CONTROL

Grass seed & fertilizer	0.28	ac @	\$1,240.00 per ac =	\$347.20
-------------------------	------	------	---------------------	----------

**TOTAL EROSION CONTROL COSTS = \$347.20**

**TOTAL PROJECT COST = \$7,977.93**



# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
 Road Segment: Point O

Sale Number: FG-341-2024-W01016-01  
 Improvement: - stations  
- miles

## PROJECT NO. 2: ROAD IMPROVEMENT, ROCK REPLACEMENT AND MAINTENANCE

### CULVERTS

Additional Installation Cost

Flume removal 1 hrs @ \$192.50 per hr = \$192.50

**TOTAL CULVERT COSTS = \$192.50**

### ROCK

	Rock Size	Base Cost \$/cy	Haul Cost \$/cy	Placement/ Processing Cost \$/cy	Total CY	Rock Cost
<b>Subgrade rock</b>						
Energy dissipator	Riprap	\$1.94	\$9.76	\$1.75	24	\$322.80
Subtotal =					24	\$322.80

Totals	All Rock =	24
	Riprap	24

**TOTAL ROCK COSTS = \$322.80**

**TOTAL PROJECT COST = \$515.30**

# SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
 Sites: SE1 to SE2

Sale Number: FG-341-2024-W01016-01  
 Construction: 6 Sites

## PROJECT NO. 4: STREAM ENHANCEMENT

### CONSTRUCTION

Log transportation and placement 36 ea @ \$225.00 per ea = \$8,100.00

TOTAL IMPROVEMENT COSTS = \$8,100.00

### EROSION CONTROL

Grass seed & fertilizer 0.25 ac @ \$1,240.00 per ac = \$310.00

Straw mulch acre 0.25 ac @ \$660.00 per ea = \$165.00

TOTAL EROSION CONTROL COSTS = \$475.00

**TOTAL PROJECT COST = \$8,575.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Sites: SE3 to SE4

Sale Number: FG-341-2024-W01016-01  
Construction: 2 Sites

---

**PROJECT NO. 4: STREAM ENHANCEMENT**

---

IMPROVEMENT

Log transportation and placement                      10                      ea @ \$150.00    per ea =                      \$1,500.00

TOTAL IMPROVEMENT COSTS = \$1,500.00

**TOTAL PROJECT COST = \$1,500.00**

SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf  
Road Segment: V1 to V2

Sale Number: FG-341-2024-W01016-01  
Vacating: 6+25 stations  
0.12 miles

PROJECT NO. 3: ROAD BLOCKING

CONSTRUCTION

Construct tank trap	1	ea @	\$60.50	per ea =	\$60.50
Construct waterbar	3	ea @	\$30.25	per ea =	<u>\$90.75</u>

TOTAL PROJECT COST = \$151.25

SUMMARY OF CONSTRUCTION COST

Timber Sale: Cry Wolf

Sale Number: FG-341-2024-W01016-01

---

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

---

<u>Equipment</u>	<u>Total</u>
Grader	\$323.10
Roller (smooth/grid) & Compactor	\$309.05
Excavator (Large) - Equipment Cleaning	\$1,647.86
Dozer (Large) - Equipment Cleaning	\$1,647.86
Dump Truck (10cy +)	\$262.58
Water Truck (2,500 Gal)	\$254.96
	<b><u>TOTAL MOVE-IN COSTS =</u></b>
	<u>\$4,445.41</u>

---

**PROJECT No. 3 MOVE-IN, WITHIN AREA MOVE, & CLEANING COSTS**

---

<u>Equipment</u>	<u>Total</u>
Excavator (Large) - Equipment Cleaning	\$1,647.86
	<b><u>TOTAL MOVE-IN COSTS =</u></b>
	<u>\$1,647.86</u>

## QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Cry Wolf  
Sale Number: FG-341-2024-W01016-01  
Stockpile Name: West Mac

4" - 0: 6,119 cy (truck measure)  
Riprap: 24 cy (truck measure)  
Total truck yardage: 6,143 cy

<u>Move-in</u>					
	Move in excavator				\$876.14
	Move in Dump Trucks				\$300.94
				Subtotal =	\$1,177.08
				Per CY =	\$0.19/cy
<u>4"-0 Base Cost</u>					
	Load dump truck	\$0.90	/ cy x	6,119	cy = \$5,507.10
					Subtotal = \$5,507.10
				Per CY =	\$0.90
<u>Riprap Base Cost</u>					
	Load dump truck	\$1.75	/ cy x	24	cy = \$42.00
					Subtotal = \$42.00
				Per CY =	\$1.75

4"-0 Cost = \$1.09/cy  
Riprap Cost = \$1.94/cy

QUARRY DEVELOPMENT & CRUSHING COST SUMMARY

Timber Sale: Cry Wolf  
Sale Number: FG-341-2024-W01016-01  
Stockpile Name: Rock Creek Ridge

1 1/2" - 0: 177 cy (truck measure)  
Total truck yardage: 177 cy

<u>Move-in</u>					
	Move in loader				\$827.50
	Move in Dump Trucks				\$102.38
				Subtotal =	\$929.88
				Per CY =	\$5.25/cy
<u>1 1/2"-0 Base Cost</u>					
	Load dump truck	\$0.90	/ cy x	<u>177</u>	cy = \$159.30
					Subtotal = \$159.30
					Per CY = \$0.90

1 1/2"-0 Cost = \$6.15/cy

**CRUISE REPORT**  
**Cry Wolf**  
**#FG-341-2024-W01016-01**

**1. LOCATION:**

Portions of Sections 26 & 35, T4N, R6W, W.M., Clatsop County, Oregon.

**2. CRUISE DESIGN:**

The timber cruise was designed using an estimated coefficient of variation (CV) of 56%, average stand diameter of 23 inches, sampling error (SE) of 9% and a minimum of 100 grade trees.

**3. SAMPLING METHOD:**

The Timber Sale Area was cruised in January of 2024 with 38 variable radius grade plots using a 40 BAF prism. 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:**

189 trees were measured and graded producing a standard error of 7% 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. 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.

**7. CRUISERS:** The sale was cruised by Adrian Torres, Colton Turner, and Shamus Smith.

Prepared by: Adrian Torres 03-20-2024

Reviewed by: Mark Savage 03-20-2024  
Date



TC PSTATS			PROJECT STATISTICS						PAGE 1		
			PROJECT			CRYWOLF			DATE 2/15/2024		
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt
T4N	R6	26	00U1	00MC		98.00		38	192	S	W
T4N	R6W	26	00U2	00MC							
			PLOTS		TREES	TREES		PERCENT			
					PER PLOT	TOTAL		SAMPLE			
TOTAL			38	192	5.1						
CRUISE			38	192	5.1	5,510		3.5			
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR			186	54.7	25.6	138	38.7	195.8	49,993	49,706	9,870
DOUG FIR-S			3	.8	26.1	83	0.6	3.0			
WHEMLOCK			2	.4	30.8	123	0.4	2.2	507	493	106
GR FIR			1	.3	26.0	153	0.2	1.0	260	260	54
TOTAL			192	56.2	25.7	137	39.9	202.0	50,760	50,459	10,031
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			58.6	4.3	1,315	1,374	1,433				
DOUG FIR-S											
WHEMLOCK			71.7	67.1	487	1,480	2,473				
GR FIR											
TOTAL			60.3	4.3	1,292	1,351	1,410	145	36	16	
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			52.1	3.8	254	264	275				
DOUG FIR-S											
WHEMLOCK			64.1	60.1	124	310	496				
GR FIR											
TOTAL			53.9	3.9	250	260	271	116	29	13	
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			77.2	12.5	48	55	62				
DOUG FIR-S			465.1	75.4	0	1	1				
WHEMLOCK			471.4	76.4	0	0	1				
GR FIR			616.4	99.9	0	0	1				
TOTAL			78.1	12.7	49	56	63	244	61	27	
CL	68.1	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			43.2	7.0	182	196	209				
DOUG FIR-S			454.5	73.7	1	3	5				
WHEMLOCK			432.3	70.1	1	2	4				
GR FIR			616.4	99.9	0	1	2				
TOTAL			42.6	6.9	188	202	216	72	18	8	
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
DOUG FIR			37.4	6.1	46,692	49,706	52,719				
DOUG FIR-S											
WHEMLOCK			431.7	70.0	148	493	839				
GR FIR			616.4	99.9	0	260	520				

PROJECT STATISTICS								PAGE	2	
PROJECT CRYWOLF								DATE	2/15/2024	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
T4N	R6	26	00U1	00MC		98.00	38	192	S	W
T4N	R6W	26	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			35.8	5.8	47,535	50,459	53,384	51	13	6
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			39.0	6.3	9,245	9,870	10,494			
DOUG FIR-S										
WHEMLOCK			430.0	69.7	32	106	181			
GR FIR			616.4	99.9	0	54	109			
TOTAL			37.3	6.1	9,424	10,031	10,638	56	14	6

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
<div><div>TT4N RR6W S26 Ty00MC27.00</div><div>TT4N RR6W S26 Ty00MC71.00</div></div>				Project:CRYWOLF										Page1							
				Acres98.00										Date2/15/2024				Time6:52:00AM			
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
DF		CU															20	18		0.00	3.7
DF		2M		86	.7	43,337	43,051	4,219			22	78	1	1	0	98	40	18	562	2.66	76.7
DF		3M		12	.0	5,760	5,759	564		98	2		0	2	3	95	39	8	107	0.75	53.6
DF		4M		2		896	896	88		100			29	30	12	29	24	7	35	0.43	25.4
DF Totals				99	.6	49,993	49,706	4,871		13	19	68	2	1	1	96	36	13	312	1.70	159.4
WH		2M		84	3.1	431	417	41				100				100	40	21	760	3.77	.5
WH		3M		14		70	70	7		100						100	40	10	163	1.27	.4
WH		4M		2		6	6	1		100			100				13	7	20	0.46	.3
WH Totals				1	2.6	507	493	48		15		85	1			99	34	14	384	2.47	1.3
GF		2M		92		241	241	24			33	67				100	40	17	445	2.17	.5
GF		3M		8		19	19	2		100						100	40	7	70	0.67	.3
GF Totals				1		260	260	25		7	30	63				100	40	13	320	1.67	.8
Totals					0.6	50,760	50,459	4,945		13	19	68	2	1	1	96	36	13	312	1.71	161.5

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		2/15/2024	
												Project										Time:		6:52:00AM	
												Acres										Grown Year:			
												CRYWOLF													
												98.00													
S		Tot							Average Log		Net		Net		T o t a l s										
Sp		Sample		FF	Av	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.	Tons	Cunits	MBF									
T		DBH	Trees	16'	Ht	Acre	Acre	Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre												
DF		10	1	89	110	1.832	1.00	3.66	7.7	40.0	.80	28	147	78	27	14									
DF		11	1	86	85	1.514	1.00	1.51	14.8	60.0	.64	22	91	63	22	9									
DF		12	2	87	89	2.545	2.00	3.82	15.0	66.7	1.63	57	254	159	56	25									
DF		14	3	86	107	3.015	3.22	6.03	18.0	76.7	3.10	109	463	304	106	45									
DF		15	1	85	91	.814	1.00	1.63	18.8	75.0	.87	31	122	85	30	12									
DF		16	5	87	116	3.740	5.22	7.48	26.5	115.2	5.66	199	862	555	195	84									
DF		17	3	87	122	1.902	3.00	4.44	27.6	114.3	3.49	122	507	342	120	50									
DF		18	3	87	127	1.696	3.00	3.39	27.5	123.3	2.66	93	418	261	92	41									
DF		19	3	88	140	1.523	3.00	4.57	31.1	137.8	4.05	142	629	397	139	62									
DF		20	2	89	146	.916	2.00	2.75	35.9	168.3	2.81	99	463	276	97	45									
DF		21	6	88	136	2.586	6.22	7.76	37.1	169.0	8.21	288	1,312	805	282	129									
DF		22	4	85	131	1.600	4.22	4.80	37.7	170.8	5.16	181	820	505	177	80									
DF		23	5	88	142	1.810	5.22	5.43	48.1	224.5	7.44	261	1,219	729	256	119									
DF		24	10	88	143	3.253	10.22	9.76	51.6	235.4	14.34	503	2,296	1,405	493	225									
DF		25	6	89	150	1.825	6.22	5.47	58.1	272.0	9.06	318	1,489	888	312	146									
DF		26	9	87	142	2.623	9.67	8.14	58.4	272.4	13.55	475	2,217	1,328	466	217									
DF		27	6	89	153	1.621	6.45	5.37	62.8	312.0	9.61	337	1,675	941	330	164									
DF		28	8	87	154	2.028	8.67	6.60	68.7	335.0	12.93	454	2,212	1,267	444	217									
DF		29	4	86	151	.871	4.00	2.61	77.4	379.2	5.77	202	991	565	198	97									
DF		30	15	87	157	3.329	16.34	11.05	78.4	396.9	24.68	866	4,386	2,419	849	430									
DF		31	9	87	158	1.888	9.89	6.28	82.7	435.5	14.80	519	2,734	1,450	509	268									
DF		32	15	86	153	3.006	16.79	9.60	90.8	456.0	24.85	872	4,376	2,435	854	429									
DF		33	12	87	164	2.133	12.67	7.82	90.3	480.3	20.12	706	3,756	1,972	692	368									
DF		34	10	86	167	1.692	10.67	6.26	89.9	477.1	16.03	562	2,985	1,571	551	293									
DF		35	5	89	169	.748	5.00	2.84	102.6	577.9	8.31	292	1,642	814	286	161									
DF		36	6	86	157	.848	6.00	2.83	111.4	577.5	8.97	315	1,633	879	309	160									
DF		37	3	88	173	.401	3.00	1.47	122.3	700.9	5.13	180	1,032	503	176	101									
DF		38	9	85	148	1.228	9.67	3.87	116.7	633.5	12.86	451	2,450	1,261	442	240									
DF		39	8	87	161	.991	8.22	3.48	127.4	702.5	12.64	443	2,446	1,238	435	240									
DF		40	5	84	130	.573	5.00	1.37	148.9	781.7	5.83	205	1,074	571	200	105									
DF		41	1	85	151	.109	1.00	.33	161.9	846.7	1.51	53	277	148	52	27									
DF		42	4	85	168	.439	4.22	1.65	138.1	772.1	6.50	228	1,275	637	223	125									
DF		44	2	86	172	.189	2.00	.76	151.4	858.8	3.27	115	650	320	112	64									
DF		45	1	86	165	.090	1.00	.36	154.4	807.5	1.59	56	292	156	55	29									
DF		48	1	85	157	.080	1.00	.24	171.5	983.3	1.17	41	235	114	40	23									
DF		52	1	84	182	.068	1.00	.27	165.3	1025.0	1.28	45	278	125	44	27									
DF		Totals	189	87	137	55.524	198.78	155.69	63.4	319.3	281.29	9,870	49,706	27,566	9,672	4,871									
WH		27	1	84	114	.308	1.22	.92	56.5	243.3	1.67	52	225	164	51	22									
WH		39	1	86	146	.120	1.00	.36	150.2	743.3	1.74	54	269	170	53	26									
WH		Totals	2	85	123	.428	2.22	1.29	82.8	383.9	3.41	106	493	334	104	48									
GF		26	1	90	153	.271	1.00	.81	66.9	320.0	1.20	54	260	117	53	25									
GF		Totals	1	90	153	.271	1.00	.81	66.9	320.0	1.20	54	260	117	53	25									
Totals		192	87	137		56.224	202.00	157.79	63.6	319.8	285.89	10,031	50,459	28,017	9,830	4,945									

TC		PLOGSTVB		Log Stock Table - MBF																			
<div>TT4N RR6W S26 Ty00MC27.00</div> <div>TT4N RR6W S26 Ty00MC71.00</div>				Project:CRYWOLF				Acres98.00				Page1				Date2/15/2024				Time6:51:59AM			
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Sp	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	24		24	.5							7		7		9					
DF		2M	20	31		31	.6									19		13					
DF		2M	30	32		32	.6									32							
DF		2M	32	8		8	.2							8									
DF		2M	40	4,152		4,124	84.7					328	351	1180	1160	1009		97					
DF		3M	17	1		1	.0					1											
DF		3M	18	1		1	.0					1											
DF		3M	19	1		1	.0					1											
DF		3M	21	1		1	.0				1												
DF		3M	25	1		1	.0					1											
DF		3M	26	2		2	.0				2												
DF		3M	27	3		3	.1				1	2											
DF		3M	28	1		1	.0				1												
DF		3M	29	1		1	.0				1												
DF		3M	30	1		1	.0				1												
DF		3M	31	3		3	.1			2	1												
DF		3M	32	3		3	.1			2	1												
DF		3M	33	1		1	.0			1													
DF		3M	34	6		6	.1			6													
DF		3M	35	4		4	.1			2	3												
DF		3M	36	6		6	.1			6													
DF		3M	37	8		8	.2			8													
DF		3M	38	13		13	.3			8	2	3											
DF		3M	39	3		3	.1			3													
DF		3M	40	504		504	10.3			89	144	259	7	5									
DF		4M	12	1		1	.0			0	0												
DF		4M	13	6		6	.1			5	0	0											
DF		4M	14	3		3	.1			1	2												
DF		4M	15	2		2	.0			1	1												
DF		4M	16	2		2	.0			0	2												
DF		4M	17	4		4	.1			3		1											
DF		4M	18	1		1	.0				1												
DF		4M	19	3		3	.1			2	2												
DF		4M	20	4		4	.1			2	1												
DF		4M	21	3		3	.1			2	1												
DF		4M	22	4		4	.1			2	2												
DF		4M	23	2		2	.0			2													

TC		PLOGSTVB		Log Stock Table - MBF																				
<div>TT4N RR6W S26 Ty00MC27.00</div> <div>TT4N RR6W S26 Ty00MC71.00</div>				Project:		CRYWOLF										Page		2						
																Acres		98.00		Date		2/15/2024		
																				Time		6:51:59AM		
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches																
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+					
DF		4M	24	4		4	.1			3	1													
DF		4M	25	1		1	.0			1														
DF		4M	27	3		3	.1			3														
DF		4M	28	3		3	.1			3														
DF		4M	29	1		1	.0			1														
DF		4M	30	5		5	.1			4	1													
DF		4M	31	4		4	.1			4														
DF		4M	32	4		4	.1			4														
DF		4M	33	2		2	.0			2														
DF		4M	35	2		2	.0			2														
DF		4M	36	7		7	.2			7														
DF		4M	37	5		5	.1			5														
DF		4M	38	7		7	.2			7														
DF		4M	40	6		6	.1			4	2													
DF		Totals		4,899		4,871	98.5			199	173	268	335	356	1195	1191	1035	119						
WH		2M	40	42	3.1	41	84.6							16	9	16								
WH		3M	40	7		7	14.2			1	5													
WH		4M	13	1		1	1.2			1														
WH		Totals		50	2.6	48	1.0			1	1	5		16	9	16								
GF		2M	40	24		24	92.7							8	16									
GF		3M	40	2		2	7.3			2														
GF		Totals		25		25	.5			2				8	16									
Total		All Species		4,975		4,945	100.0			201	174	274	335	364	1227	1200	1051	119						

TC PSTATS			PROJECT STATISTICS						PAGE 1		
			PROJECT CRYWOLF						DATE 2/15/2024		
TWP	RGE	SC	TRACT	TYPE		ACRES		PLOTS	TREES	CuFt	BdFt
T4N	R6	26	00U1	00MC		27.00		9	45	S	W
					TREES	ESTIMATED		PERCENT			
					PER PLOT	TOTAL		SAMPLE			
			PLOTS	TREES			TREES	TREES			
TOTAL			9	45	5.0						
CRUISE			9	45	5.0		1,281	3.5			
DBH COUNT											
REFOREST											
COUNT											
BLANKS											
100 %											
STAND SUMMARY											
SAMPLE			TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
TREES			/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUG FIR			44	46.3	27.8	140	37.1	195.6	49,390	49,050	9,723
WHEMLOCK			1	1.1	27.0	114	0.9	4.4	816	816	189
TOTAL			45	47.5	27.8	140	37.9	200.0	50,206	49,866	9,912
CONFIDENCE LIMITS OF THE SAMPLE											
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR											
CL	68.1	COEFF	SAMPLE TREES - BF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15	
DOUG FIR			45.1	6.8	1,239	1,330	1,420				
WHEMLOCK											
TOTAL			45.5	6.8	1,227	1,316	1,405	83	21	9	
CL	68.1	COEFF	SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15	
DOUG FIR			38.8	5.8	243	258	273				
WHEMLOCK											
TOTAL			39.0	5.8	241	256	271	61	15	7	
CL	68.1	COEFF	TREES/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15	
DOUG FIR			42.1	14.8	39	46	53				
WHEMLOCK			300.0	105.9		1	2				
TOTAL			40.9	14.4	41	47	54	75	19	8	
CL	68.1	COEFF	BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15	
DOUG FIR			23.9	8.4	179	196	212				
WHEMLOCK			300.0	105.9		4	9				
TOTAL			24.5	8.6	183	200	217	27	7	3	
CL	68.1	COEFF	NET BF/ACRE					# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15	
DOUG FIR			20.9	7.4	45,434	49,050	52,666				
WHEMLOCK			300.0	105.9		816	1,680				
TOTAL			21.3	7.5	46,120	49,866	53,612	20	5	2	
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			22.5	7.9	8,951	9,723	10,495				
WHEMLOCK			300.0	105.9		189	390				
TOTAL			23.2	8.2	9,102	9,912	10,723	24	6	3	

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																
<div>TT4N RR6W S26 Ty00MC27.00</div>				Project:CRYWOLF												Page1				
				Acres27.00												Date2/15/2024				
																Time6:53:29AM				
Spp	S So Gr T rt ad	% Net BdFt	Bd. Ft. per Acre Def%GrossNet			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre	
							Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf		
							4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99						
DF	CU															6	22		0.00	5.1
DF	2M	88	.8	43,820	43,480	1,174			20	80	4	3		94	39	19	576	2.75	75.5	
DF	3M	10		4,963	4,963	134		93	7			2	1	97	39	9	114	0.86	43.4	
DF	4M	2		607	607	16		100			50	37		13	20	7	28	0.47	21.4	
DF Totals		98	.7	49,390	49,050	1,324		11	18	71	4	3	0	93	35	14	337	1.91	145.4	
WH	2M	72		592	592	16				100				100	40	18	530	2.87	1.1	
WH	3M	25		201	201	5		100						100	40	11	180	1.21	1.1	
WH	4M	3		22	22	1		100			100				13	7	20	0.46	1.1	
WH Totals		2		816	816	22		27		73	3			97	31	12	243	1.82	3.4	
Totals			0.7	50,206	49,866	1,346		11	18	71	4	3	0	93	35	14	335	1.91	148.8	



TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		2/15/2024	
TT4N RR6W S26 Ty00MC					27.00					Project					CRYWOLF					Time:		6:53:30AM			
										Acres					27.00					Grown Year:					
S Spec	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	T o t a l s											
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.				Tons	Cunits	MBF									
DF		14	1	85	85	4.158	4.44	8.32	15.0	55.0	3.56	125	457	96	34	12									
DF		16	1	89	116	3.183	4.44	6.37	27.4	120.0	4.98	175	764	134	47	21									
DF		21	1	87	127	1.848	4.44	5.54	33.9	143.3	5.35	188	795	144	51	21									
DF		22	1	80	96	1.684	4.44	5.05	23.2	96.7	3.33	117	488	90	32	13									
DF		23	1	86	125	1.540	4.44	4.62	41.7	176.7	5.49	193	816	148	52	22									
DF		24	1	87	135	1.415	4.44	4.24	46.5	206.7	5.63	197	877	152	53	24									
DF		25	1	87	153	1.304	4.44	3.91	58.6	280.0	6.53	229	1,095	176	62	30									
DF		26	3	86	130	3.616	13.33	10.85	56.0	255.6	17.32	608	2,773	468	164	75									
DF		27	2	88	153	2.236	8.89	6.71	66.9	320.0	12.78	448	2,146	345	121	58									
DF		28	3	88	155	3.118	13.33	10.39	68.2	353.0	20.20	709	3,669	546	191	99									
DF		30	6	87	155	5.432	26.67	17.20	80.6	404.7	39.50	1,386	6,963	1,066	374	188									
DF		31	4	86	155	3.392	17.78	11.02	82.1	420.0	25.78	905	4,630	696	244	125									
DF		32	8	86	151	6.366	35.56	19.89	91.7	459.2	52.01	1,825	9,136	1,404	493	247									
DF		33	3	86	164	2.245	13.33	8.23	90.1	480.9	21.13	741	3,958	571	200	107									
DF		34	3	86	171	2.115	13.33	7.75	93.1	510.0	20.58	722	3,955	556	195	107									
DF		38	3	88	163	1.693	13.33	6.21	118.9	657.3	21.04	738	4,080	568	199	110									
DF		39	1	90	153	.536	4.44	2.14	98.7	580.0	6.03	211	1,243	163	57	34									
DF		42	1	84	159	.462	4.44	1.85	111.3	652.5	5.86	206	1,206	158	56	33									
DF		Totals	44	86	140	46.342	195.56	140.31	69.3	349.6	277.11	9,723	49,050	7,482	2,625	1,324									
WH		27	1	84	114	1.118	4.44	3.35	56.5	243.3	6.06	189	816	164	51	22									
WH		Totals	1	84	114	1.118	4.44	3.35	56.5	243.3	6.06	189	816	164	51	22									
Totals			45	86	139	47.459	200.00	143.66	69.0	347.1	283.17	9,912	49,866	7,645	2,676	1,346									

TC		PLOGSTVB		Log Stock Table - MBF															
TT4N RR6W S26 Ty00MC				27.00		Project:		CRYWOLF								Page		1	
						Acres		27.00								Date		2/15/2024	
																Time		6:53:29AM	
Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches										
									2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39
DF		2M	16		17		17	1.2							7			9	
DF		2M	20		25		25	1.9									12	13	
DF		2M	30		32		32	2.4								32			
DF		2M	40		1,110		1,101	83.1					47	81	344	455	173		
DF		3M	25		1		1	.1				1							
DF		3M	29		1		1	.1				1							
DF		3M	32		2		2	.1			2								
DF		3M	36		1		1	.1			1								
DF		3M	37		2		2	.1			2								
DF		3M	38		2		2	.1			2								
DF		3M	40		126		126	9.5			17	47	53	4	5				
DF		4M	12		0		0	.0			0								
DF		4M	13		1		1	.1			1								
DF		4M	14		0		0	.0				0							
DF		4M	15		1		1	.1			1	0							
DF		4M	16		1		1	.0				1							
DF		4M	17		3		3	.2			2		1						
DF		4M	20		2		2	.1			2								
DF		4M	21		2		2	.1			1	1							
DF		4M	24		1		1	.1				1							
DF		4M	25		1		1	.1			1								
DF		4M	27		1		1	.1			1								
DF		4M	30		2		2	.1			2								
DF		4M	40		2		2	.2				2							
DF		Totals			1,334		1,324	98.4			34	53	55	51	87	352	487	185	22
WH		2M	40		16		16	72.6							16				
WH		3M	40		5		5	24.7					5						
WH		4M	13		1		1	2.7			1								
WH		Totals			22		22	1.6			1		5		16				
Total		All Species			1,356		1,346	100.0			34	53	60	51	87	368	487	185	22

TC PSTATS				PROJECT STATISTICS				PAGE 1					
				PROJECT		CRYWOLF		DATE 2/15/2024					
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt			
T4N	R6	26	00U2	00MC		71.00	29	147	S	W			
				TREES		ESTIMATED	PERCENT						
				PER PLOT		TOTAL	SAMPLE						
				PLOTS	TREES	TREES	TREES						
TOTAL				29	147	5.1							
CRUISE				29	147	5.1	4,229	3.5					
DBH COUNT													
REFOREST													
COUNT													
BLANKS													
100 %													
STAND SUMMARY													
SAMPLE				TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET	
TREES				/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC	
DOUG FIR				142	57.9	24.9	138	39.2	195.9	50,223	49,955	9,926	9,926
DOUG FIR-S				3	1.1	26.1	83	0.8	4.1				
GR FIR				1	.4	26.0	153	0.3	1.4	359	359	75	75
WHEMLOCK				1	.2	39.0	146	0.2	1.4	389	371	75	75
TOTAL				147	59.6	25.0	137	40.6	202.8	50,971	50,685	10,075	10,075
CONFIDENCE LIMITS OF THE SAMPLE													
68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR													
CL	68.1	COEFF		SAMPLE TREES - BF				# OF TREES REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15			
DOUG FIR				62.0	5.2	1,315	1,387	1,459					
DOUG FIR-S													
GR FIR													
WHEMLOCK													
TOTAL				64.0	5.3	1,290	1,362	1,434	163	41	18		
CL	68.1	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15			
DOUG FIR				55.4	4.6	254	267	279					
DOUG FIR-S													
GR FIR													
WHEMLOCK													
TOTAL				57.6	4.7	249	262	274	133	33	15		
CL	68.1	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15			
DOUG FIR				85.5	16.1	49	58	67					
DOUG FIR-S				405.0	76.5	0	1	2					
GR FIR				538.5	101.7		0	1					
WHEMLOCK				538.5	101.7		0	0					
TOTAL				86.7	16.4	50	60	69	311	78	35		
CL	68.1	COEFF		BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15			
DOUG FIR				48.6	9.2	178	196	214					
DOUG FIR-S				395.6	74.7	1	4	7					
GR FIR				538.5	101.7		1	3					
WHEMLOCK				538.5	101.7		1	3					
TOTAL				47.7	9.0	184	203	221	94	24	10		
CL	68.1	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15			
DOUG FIR				41.8	7.9	46,010	49,955	53,900					
DOUG FIR-S													
GR FIR				538.5	101.7		359	724					
WHEMLOCK				538.5	101.7		371	748					

PROJECT STATISTICS								PAGE	2	
PROJECT CRYWOLF								DATE	2/15/2024	
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
T4N	R6	26	00U2	00MC		71.00	29	147	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			39.6	7.5	46,898	50,685	54,472	65	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			43.6	8.2	9,108	9,926	10,743			
DOUG FIR-S										
GR FIR			538.5	101.7		75	151			
WHEMLOCK			538.5	101.7		75	151			
TOTAL			41.2	7.8	9,291	10,075	10,860	70	18	8

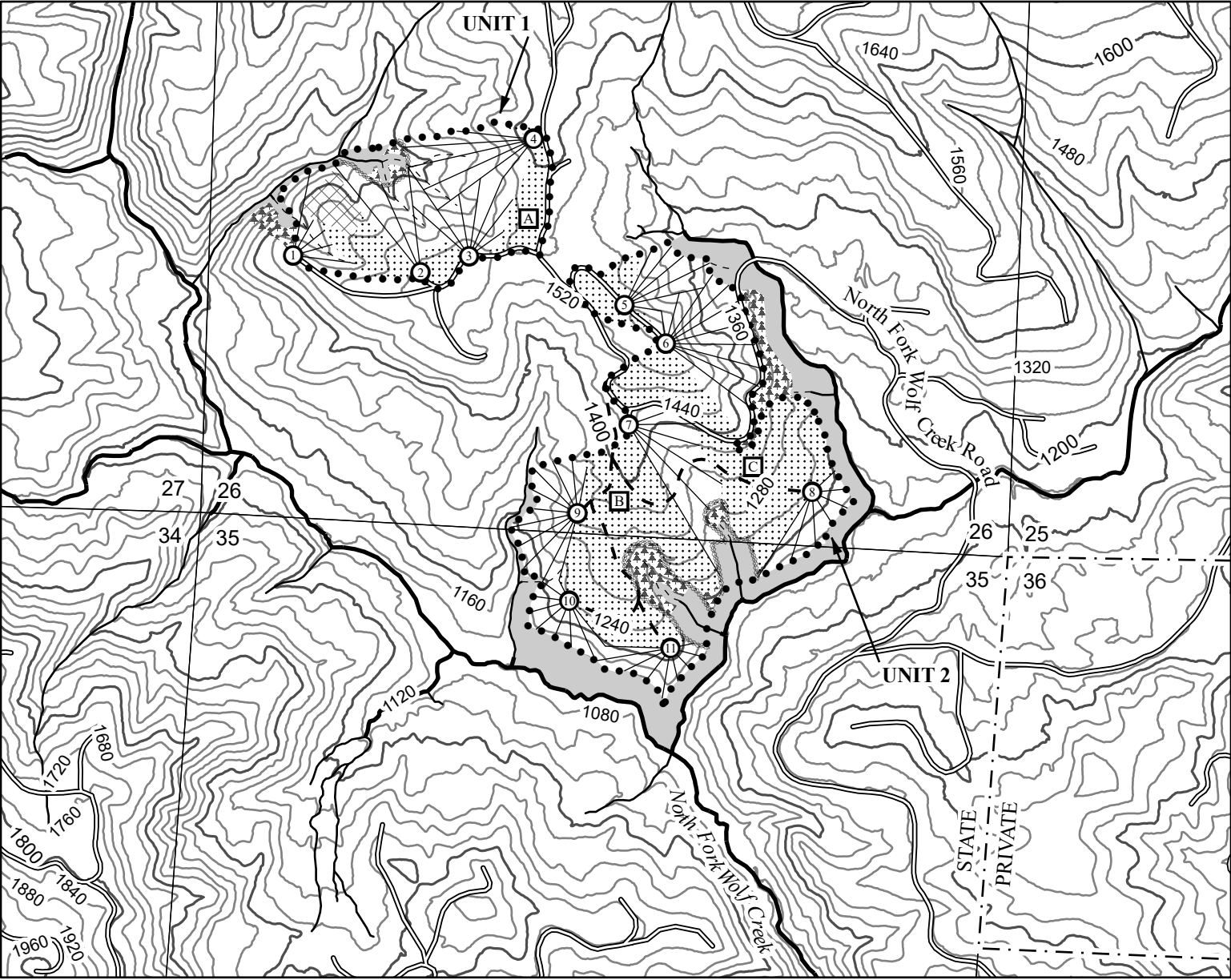
TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																	
<div>TT4N RR6W S26 Ty00MC71.00</div>				Project:CRYWOLF												Page1					
				Acres71.00												Date2/15/2024					
																Time6:42:42AM					
Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs Per /Acre
									Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
					Def%	Gross	Net		4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99					
DF			CU														28	15		0.00	3.2
DF			2M	85	.6	43,153	42,888	3,045			22	78	0		0	99	40	18	556	2.62	77.1
DF			3M	12	.0	6,063	6,061	430		99	1		0	2	4	94	39	8	105	0.71	57.5
DF			4M	3		1,006	1,006	71		100			24	28	15	33	25	6	37	0.42	26.9
DF Totals				99	.5	50,223	49,955	3,547		14	19	67	1	1	1	97	37	13	303	1.64	164.8
GF			2M	92		333	333	24			33	67			100		40	17	445	2.17	.7
GF			3M	8		26	26	2		100					100		40	7	70	0.67	.4
GF Totals				1		359	359	25		7	30	63			100		40	13	320	1.67	1.1
WH			2M	94	5.0	369	351	25				100			100		40	25	1055	4.92	.3
WH			3M	6		20	20	1		100					100		40	9	120	1.42	.2
WH Totals				1	4.7	389	371	26		5		95			100		40	19	743	3.76	.5
Totals					0.6	50,971	50,685	3,599		14	19	67	1	1	1	97	37	13	305	1.64	166.4

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		2/15/2024	
TT4N RR6W S26 Ty00MC					71.00					Project					CRYWOLF					Time:		6:42:43AM			
										Acres					71.00					Grown Year:					
S Spec	T	Sample		Tot		Trees/ Acre	BA/ Acre	Logs Acre	Average Log		Net		Tons/ Acre	Cu.Ft. Acre	Bd.Ft. Acre	T o t a l s									
		DBH	Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.	Tons	Cunits				MBF									
DF		10	1	89	110	2.529	1.38	5.06	7.7	40.0	1.10	39	202	78	27	14									
DF		11	1	86	85	2.090	1.38	2.09	14.8	60.0	.88	31	125	63	22	9									
DF		12	2	87	89	3.512	2.76	5.27	15.0	66.7	2.25	79	351	159	56	25									
DF		14	2	86	121	2.581	2.76	5.16	19.9	90.0	2.92	102	464	207	73	33									
DF		15	1	85	91	1.124	1.38	2.25	18.8	75.0	1.20	42	169	85	30	12									
DF		16	4	87	116	3.951	5.52	7.90	26.3	113.8	5.92	208	899	420	147	64									
DF		17	3	87	122	2.625	4.14	6.13	27.6	114.3	4.81	169	700	342	120	50									
DF		18	3	87	127	2.342	4.14	4.68	27.5	123.3	3.68	129	578	261	92	41									
DF		19	3	88	140	2.102	4.14	6.30	31.1	137.8	5.59	196	869	397	139	62									
DF		20	2	89	146	1.264	2.76	3.79	35.9	168.3	3.88	136	639	276	97	45									
DF		21	5	88	138	2.867	6.90	8.60	37.9	175.3	9.30	326	1,508	660	232	107									
DF		22	3	87	145	1.568	4.14	4.70	43.6	201.1	5.85	205	946	415	146	67									
DF		23	4	89	147	1.912	5.52	5.74	50.0	239.2	8.18	287	1,372	581	204	97									
DF		24	9	88	144	3.951	12.41	11.85	52.2	239.3	17.65	619	2,836	1,253	440	201									
DF		25	5	89	149	2.023	6.90	6.07	57.9	270.0	10.02	352	1,639	712	250	116									
DF		26	6	87	150	2.245	8.28	7.11	59.8	282.1	12.11	425	2,005	860	302	142									
DF		27	4	89	154	1.388	5.52	4.86	60.7	307.9	8.40	295	1,495	596	209	106									
DF		28	5	86	154	1.613	6.90	5.16	69.1	321.3	10.16	356	1,658	721	253	118									
DF		29	4	86	151	1.203	5.52	3.61	77.4	379.2	7.96	279	1,368	565	198	97									
DF		30	9	87	158	2.529	12.41	8.71	76.7	391.0	19.04	668	3,406	1,352	474	242									
DF		31	5	88	161	1.316	6.90	4.47	83.3	450.0	10.62	373	2,013	754	265	143									
DF		32	7	86	155	1.729	9.66	5.68	89.7	451.7	14.52	509	2,566	1,031	362	182									
DF		33	9	88	164	2.090	12.41	7.66	90.4	480.0	19.74	693	3,678	1,401	492	261									
DF		34	7	86	164	1.531	9.66	5.69	88.2	460.0	14.30	502	2,616	1,015	356	186									
DF		35	5	89	169	1.032	6.90	3.92	102.6	577.9	11.47	402	2,267	814	286	161									
DF		36	6	86	157	1.171	8.28	3.90	111.4	577.5	12.39	435	2,254	879	309	160									
DF		37	3	88	173	.554	4.14	2.03	122.3	700.9	7.08	248	1,424	503	176	101									
DF		38	6	83	140	1.051	8.28	2.98	115.0	614.7	9.75	342	1,830	693	243	130									
DF		39	7	87	163	1.164	9.66	3.99	133.2	727.5	15.15	532	2,903	1,076	377	206									
DF		40	5	84	130	.790	6.90	1.90	148.9	781.7	8.05	282	1,483	571	200	105									
DF		41	1	85	151	.150	1.38	.45	161.9	846.7	2.08	73	382	148	52	27									
DF		42	3	86	171	.430	4.14	1.58	150.0	825.5	6.74	237	1,302	479	168	92									
DF		44	2	86	172	.261	2.76	1.05	151.4	858.8	4.51	158	897	320	112	64									
DF		45	1	86	165	.125	1.38	.50	154.4	807.5	2.20	77	403	156	55	29									
DF		48	1	85	157	.110	1.38	.33	171.5	983.3	1.61	56	324	114	40	23									
DF		52	1	84	182	.094	1.38	.37	165.3	1025.0	1.76	62	383	125	44	27									
DF		Totals	145	87	136	59.016	200.00	161.55	61.4	309.2	282.88	9,926	49,955	20,084	7,047	3,547									
WH		39	1	86	146	.166	1.38	.50	150.2	743.3	2.40	75	371	170	53	26									
WH		Totals	1	86	146	.166	1.38	.50	150.2	743.3	2.40	75	371	170	53	26									
GF		26	1	90	153	.374	1.38	1.12	66.9	320.0	1.65	75	359	117	53	25									
GF		Totals	1	90	153	.374	1.38	1.12	66.9	320.0	1.65	75	359	117	53	25									
Totals		147	87	137		59.557	202.76	163.17	61.7	310.6	286.93	10,075	50,685	20,372	7,154	3,599									

TC		PLOGSTVB		Log Stock Table - MBF															
TT4N RR6W S26 Ty00MC				71.00		Project:		CRYWOLF								Page		1	
						Acres		71.00								Date		2/15/2024	
																Time		6:42:41AM	
Spp	S T	So Gr rt de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches											
								2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		2M	16	7		7	.2									7			
DF		2M	20	7		7	.2									7			
DF		2M	32	8		8	.2							8					
DF		2M	40	3,042		3,023	85.2					281	269	835	705	835	97		
DF		3M	17	1		1	.0					1							
DF		3M	18	1		1	.0					1							
DF		3M	19	1		1	.0					1							
DF		3M	21	1		1	.0				1								
DF		3M	26	2		2	.1				2								
DF		3M	27	3		3	.1				1	2							
DF		3M	28	1		1	.0				1								
DF		3M	30	1		1	.0				1								
DF		3M	31	3		3	.1				2	1							
DF		3M	32	1		1	.0				1								
DF		3M	33	1		1	.0				1								
DF		3M	34	6		6	.2				6								
DF		3M	35	4		4	.1				2	3							
DF		3M	36	5		5	.1				5								
DF		3M	37	6		6	.2				6								
DF		3M	38	12		12	.3				6	2	3						
DF		3M	39	3		3	.1				3								
DF		3M	40	378		378	10.7				72	97	206	3					
DF		4M	12	0		0	.0				0								
DF		4M	13	5		5	.1				4	0	0						
DF		4M	14	3		3	.1				1	1							
DF		4M	15	2		2	.0				0	1							
DF		4M	16	1		1	.0				0	1							
DF		4M	17	1		1	.0				1								
DF		4M	18	1		1	.0					1							
DF		4M	19	3		3	.1				2	2							
DF		4M	20	2		2	.1				1	1							
DF		4M	21	1		1	.0				1								
DF		4M	22	4		4	.1				2	2							
DF		4M	23	2		2	.1				2								
DF		4M	24	3		3	.1				3								
DF		4M	27	2		2	.0				2								
DF		4M	28	3		3	.1				3								

TC		PLOGSTVB																		Log Stock Table - MBF									
TT4N RR6W S26 Ty00MC		71.00		Project: CRYWOLF										Page 2															
				Acres 71.00										Date 2/15/2024															
														Time 6:42:41AM															
Spp	S T	So rt	Gr de	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches																				
									2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+									
DF		4M	29		1		1	.0			1																		
DF		4M	30		4		4	.1			3	1																	
DF		4M	31		4		4	.1			4																		
DF		4M	32		4		4	.1			4																		
DF		4M	33		2		2	.1			2																		
DF		4M	35		2		2	.1			2																		
DF		4M	36		7		7	.2			7																		
DF		4M	37		5		5	.1			5																		
DF		4M	38		7		7	.2			7																		
DF		4M	40		4		4	.1			4																		
DF		Totals			3,566		3,547	98.6			165	120	214	284	269	843	705	850	97										
GF		2M	40		24		24	92.7						8	16														
GF		3M	40		2		2	7.3			2																		
GF		Totals			25		25	.7			2			8	16														
WH		2M	40		26	5.0	25	94.6									9	16											
WH		3M	40		1		1	5.4			1																		
WH		Totals			28	4.7	26	.7			1						9	16											
Total		All Species			3,619		3,599	100.0			167	122	214	284	277	859	714	866	97										





- Legend**
- • • Timber Sale Boundary
  - Stream Buffer Boundary
  - ODF Ownership Boundary
  - Surfaced Road
  - - - New Road Construction
  - Type-F Stream
  - Type-N Stream - Perennial
  - - - Type-N Stream - Seasonal
  - Stream Buffer
  - Cable Yarding Area
  - Tractor Yarding Area
  - Cable Landing
  - Tractor Landing
  - Green Tree Retention Area
  - Harvest Optional Area
  - Section Line
  - 40 Foot Contour Band
  - 200 Foot Contour Band

# LOGGING PLAN

FOR TIMBER SALE CONTRACT #FG-341-2024-W01016-01  
CRY WOLF  
PORTIONS OF SECTIONS 26 & 35, T4N, R6W, W.M.  
CLATSOP COUNTY, OREGON

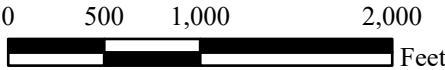
Forest Grove District GIS  
March, 2024

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



## APROXIMATE NET ACRES

	TRACTOR	CABLE
UNIT 1	8	19
UNIT 2	38	33
TOTAL	46	52