Timber Sale Appraisal
Cold Creek

Sale NC-341-2026-W01267-01

District: N Cascade **Date: October 22, 2025**

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$365,907.75	$0.00	$365,907.75
		Project Work:	($74,222.11)
		Advertised Value:	$291,685.64

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District: N Cascade

Date: October 22, 2025

Timber Description

Location: Portions of Sections 22 & 27, T9S R4E W.M., Marion County, Oregon

Stand Stocking: 40%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	19	0	92
Western Hemlock / Fir	20	0	92

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	650	321	971
Western Hemlock / Fir	9	3	12
Total	659	324	983

Comments: Pond Values Used: Local Pond Values, August 2025

Western redcedar and other cedars stumpage price = Pond value minus logging cost:
$839.93/MBF = $1,220/MBF - $380.07/MBF

Red alder and other hardwoods stumpage price = Pond value minus logging cost:
$124.93/MBF = $505/MBF - $380.07/MBF

Pulp Price: $20/MBF = $2/ton X 10 ton/MBF

OTHER COSTS (With Profit & Risk to be added)
Season 1 Equipment Move-In: Accounted for in Logging Cost
Equipment Weed Wash: ($50/hr labor cost) 6-hour wash time = $300 x 5 pieces of equipment = $1500
Ripping and Waterbarring old road beds: $35/station x 8 stations = $280
TOTAL Other Costs (with Profit & Risk to be added) = $1,780

OTHER COSTS (No Profit and Risk added)
None

SLASH DISPOSAL COSTS
Landing Piles: $100/piling x 4 Landings = $400
In-Unit Piling: $300/ac x 36 acres = $10,800
Equipment move-in and weed wash: $2,050
Pile Covering: ($8/pile x 72 piles) + ($50/hr x 2 personnel x 12 hours) = $1,776
TOTAL Slash Disposal Costs = $15,026

ROAD MAINTENANCE COSTS
Grader Move-In: $1,400
Roller Move-In: $1,400
General Road Maintenance: 4.44 miles x $2,100/mile = $9,324 General Road
Subtotal = $1,400 + $1,400 + $9,324 = $12,124
TOTAL Road Maintenance Costs = $12,124/983 MBF = $12.33/MBF

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District: N Cascade **Date: October 22, 2025**

Logging Conditions

Combination#: 1

Douglas - Fir	8.00%
Western Hemlock / Fir	8.00%

Logging System: Cable: Small Tower <=40 **Process:** Manual Falling/Delimbing
yarding distance: Short (400 ft) **downhill yarding:** No
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 7 **bd. ft / load:** 4200
cost / mbf: $252.78
machines: Log Loader (A)
Tower Yarder (Small)

Combination#: 2

Douglas - Fir	92.00%
Western Hemlock / Fir	92.00%

Logging System: Shovel **Process:** Feller Buncher
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF
loads / day: 13 **bd. ft / load:** 4200
cost / mbf: $183.15
machines: Feller Buncher w/ Delimber

Timber Sale Appraisal
Cold Creek

Sale NC-341-2026-W01267-01

"STEWARDSHIP IN FORESTRY"

District: N Cascade **Date: October 22, 2025**

Logging Costs

Operating Seasons:	1.00	**Profit Risk:**	15%
Project Costs:	$74,222.11	**Other Costs (P/R):**	$1,780.00
Slash Disposal:	$15,026.00	**Other Costs:**	$0.00

Miles of Road

Road Maintenance: $12.33

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	4.2
Western Hemlock / Fir	$0.00	3.0	4.0

"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Cold Creek

Sale NC-341-2026-W01267-01

District: N Cascade **Date: October 22, 2025**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$188.72	$13.32	$4.46	$107.15	$1.81	$47.32	$15.29	$2.00	$0.00	$380.07
Western Hemlock / Fir									
$188.72	$13.32	$4.46	$112.50	$1.81	$48.12	$15.29	$2.00	$0.00	$386.22

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$755.16	$375.09	$0.00
Western Hemlock / Fir	$0.00	$527.50	$141.28	$0.00

Timber Sale Appraisal
Cold Creek

Sale NC-341-2026-W01267-01

"STEWARDSHIP IN FORESTRY"

District: N Cascade

Date: October 22, 2025

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	971	$375.09	$364,212.39
Western Hemlock / Fir	12	$141.28	$1,695.36

Gross Timber Sale Value

Recovery: $365,907.75

Prepared By: Zane Sandborg **Phone:** 503-781-7754

Cold Creek Timber Sale

Project No. 1

NEW CONSTRUCT:

		Rocking			
Segments	Length	Pit Run	6" -0" Jaw Run	1.5"- 0"	Total
Pt. A to Pt. A1	9+55	3 cy	514 cy	244 cy	$ 16,051.28
Total Stations	9+55	3 cy	514 cy	244 cy	$ 16,051.28
Total Miles	0.18				

Project No. 1 $ 16,051.28

Project No. 2

ROAD IMPROVEMENT:

		Rocking			
Segments	Length/sites	Pit Run	6" -0" Jaw Run	1.5"- 0"	Total
Pt. 1 to Pt. 2	22+32	9 cy	681 cy	563 cy	$ 21,884.50
Pt. 3 to Pt. 4	6+57		371 cy	155 cy	$ 7,413.28
Pt. 5 to Pt. 6	14+60	6 cy	741 cy	389 cy	$ 19,563.05
Total Stations	43+49	15 cy	1,793 cy	1,107 cy	$ 48,860.83
Total miles	0.82				

Project No. 2 $ 48,860.83

Project No. 3

MOVE-IN:

Project No. 3 $ 9,310.00

ROCK SUMMARY TABLE:

		Rock Totals		
Location	Size of Rock	Needed for Roads	Stockpile	To Crushed
N30 Pit	1 .5"-0"	1,351 cy	1,351 cy	none
N30 Pit	6" -0"	2,307 cy	2,307 cy	none
N30 Pit	Pit Run	18 cy	18 cy	none

GRAND TOTAL **$ 74,222.11**

PROJECT NO. 1

NEW CONSTRUCTION

Sale: **Cold Creek** Road Segment: **Pt. A to Pt. A1**

NEW CONSTRUCT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum $
New construct	9+55		22 cy	48 cy		$ 600.00	$ 5,730.00
Truck Turnaround	1		10 cy	20 cy		$ 350.00	$ 350.00
Landing	1			36 cy		$ 600.00	$ 600.00
Endpush excavation to pipe	315 cy					$ 4.79	$ 1,509.38
Culverts	1		24 cy		3 cy		$ -

SUB TOTAL $ 8,189.38

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install $	Sum $
1 - 24" x 30' culvert	ACSP	24	30	$ 1,224.00				$ 1,224.00	$ 600.00	$ 1,824.00
										$ 1,824.00

ACSP = aluminum corrigated steel pipe

	Quantity	Cost	Sub Total	Install $/Hr	Labor Time	Sum $
Mulch - 1- bale (2.5 tons/acre)	3	$ 15.00	$ 45.00	$ 60.00	1	$ 105.00
Grass Seed (1- lb)	3	$ 5.00	$ 15.00	$ 60.00	0.25	$ 30.00
Install 6' long steel "T" posts	1	$ 8.00	$ 8.00	$ 60.00	0.25	$ 23.00
Install outlet dissipator	1			$ 180.00	1	$ 180.00
						$ 338.00

SUB TOTAL $ 2,162.00

SURFACING:

Roads	Landings	Roads	Turn Arounds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined $	Cost
1.5"- 0"		210 cy	10 cy		24 cy			244 cy	$ 7.49	$ 1,828.31
6" -0" Jaw Run	36 cy	458 cy	20 cy					514 cy	$ 7.48	$ 3,847.71
Pit Run							3 cy	3 cy	$ 7.96	$ 23.88
							Total =	762 cy		

SUB TOTAL $ 5,699.90

GRAND TOTAL = $ 16,051.28

PROJECT NO. 2

ROAD IMPROVEMENT

Sale: **Cold Creek** Road Segment: **Pt. 1 to Pt. 2**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum $
Total Stations	22+32						$ -
0+00 to 8+14	8+14		22 cy			$ 25.00	$ 203.50
8+14 to 22+32	14+18			48 cy		$ 400.00	$ 5,672.00
Culverts	3		24 cy		3 cy		
						SUB TOTAL	$ 5,875.50

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install $	Sum $
2 - 24" x 30'	ACSP	24"	60	$ 2,448.00	0	0	0.00		$ 1,200.00	$ 3,648.00
1 - 30" x 30'	ACSP	30	30	$ 1,512.00	0	0	0.00		$ 600.00	$ 2,112.00
										$ 5,760.00

ACSP = aluminum corrigated steel pipe

	Quantity	Cost	Sub Total	Install $/Hr	Labor Time	Sum $
Mulch - 2.5 tons/acre	6	$ 15.00	$ 90.00	$ 60.00	1	$ 150.00
Grass Seed (25 lb bag)	4	$ 5.00	$ 20.00	$ 60.00	0.5	$ 50.00
Install 6' long steel "T" posts	3	$ 8.00	$ 24.00	$ 60.00	0.5	$ 54.00
Install outlet dissipator	3			$ 180.00	1	$ 540.00
Install sediment trap on the unper side of culvert #3						$ 75.00
						$ 869.00
					SUB TOTAL	$ 6,629.00

SURFACING:

Roads	Landings	Roads	Turn Arounds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined $	Cost
1.5"- 0"		491 cy			72 cy			563 cy	$ 7.49	$ 4,217.17
6" -0" Jaw Run		681 cy						681 cy	$ 7.48	$ 5,091.19
Pit Run							9 cy	9 cy	$ 7.96	$ 71.64
							Total =	1,253 cy		
									SUB TOTAL	$ 9,380.00

GRAND TOTAL =	**$ 21,884.50**

PROJECT NO. 2

ROAD IMPROVEMENT

Sale: **Cold Creek** Road Segment: **Pt. 3 to Pt. 4**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum $
Reconstruct	6+57		22 cy	48 cy		$ 400.00	$ 2,628.00
Truck Turnaround	1		10 cy	20 cy		$ 400.00	$ 400.00
Landing	1			36 cy		$ 450.00	$ 450.00
						SUB TOTAL	$ 3,478.00

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install $	Sum $
										$ -

ACSP = aluminum corrigated steel pipe

	Quantity	Cost	Sub Total	Install $/Hr	Labor Time	Sum $
Mulch - 2.5 tons/acre	0	$ -	$ -	$ -	1	$ -
Grass Seed (25 lb bag)	0	$ -	$ -	$ -	0.5	$ -
Install 6' long steel "T" posts	0	$ -	$ -	$ -	0.5	$ -
Install outlet dissipator	0			$ -	1	$ -
						$ -
					SUB TOTAL	$ -

SURFACING:

Roads	Landings	Roads	Turn Arounds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined $	Cost
1.5"- 0"		145 cy	10 cy					155 cy	$ 7.49	$ 1,157.50
6" -0" Jaw Run	36 cy	315 cy	20 cy					371 cy	$ 7.48	$ 2,777.77
Pit Run									$ 7.96	$ -
							Total =	526 cy		
									SUB TOTAL	$ 3,935.28

GRAND TOTAL =	**$ 7,413.28**

PROJECT NO. 2

ROAD IMPROVEMENT

Sale: **Cold Creek** Road Segment: **Pt. 5 to Pt. 6**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum $
Reconstruct	14+60		22 cy	48 cy		$ 300.00	$ 4,380.00
Truck turnaround	2		10 cy	20 cy		$ 400.00	$ 800.00
Culvert	2		24 cy		3 cy		$ -
Endhaul fill to culvert	360					$ 4.79	$ 1,725.00
						SUB TOTAL	$ 6,905.00

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install $	Sum $
2 - 24" x 30'	ACSP	24	60	$ 2,448.00					$ 1,200.00	$ 3,648.00
										$ 3,648.00

ACSP = aluminum corrigated steel pipe

	Quantity	Cost	Sub Total	Install $/Hr	Labor Time	Sum $
Mulch - 2.5 tons/acre	4	$ 15.00	$ 60.00	$ 60.00	0.5	$ 90.00
Grass Seed (25 lb bag)	2	$ 5.00	$ 10.00	$ 60.00	0.25	$ 25.00
Install 6' long steel "T" posts	2	$ 8.00	$ 16.00	$ 60.00	0.25	$ 31.00
Install outlet dissipator	2			$ 180.00	1	$ 360.00
						$ 506.00
					SUB TOTAL	$ 4,154.00

SURFACING:

Roads	Landings	Roads	Turn Arounds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined $	Cost
1.5"- 0"		321 cy	20 cy		48 cy			389 cy	$ 7.49	$ 2,915.11
6" -0" Jaw Run		701 cy	40 cy					741 cy	$ 7.48	$ 5,541.18
Pit Run							6 cy	6 cy	$ 7.96	$ 47.76
							Total =	1,136 cy		
									SUB TOTAL	$ 8,504.05

GRAND TOTAL =	**$ 19,563.05**

Cold Creek

Rock Summary Table

Road Segment: Pt. A to Pt. A1				Point to Point			Sta. to Sta.			Total Volume (CY)
Application	Rock Size and Type	Location	Rock Depth (in)	Pt. A	to	Pt. A1	0+00	to	9+55	
				Volume (CY)			Number of			
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 9+55	4	Station		22	Stations		9.55	210
Road Base Rock	6"- 0" Jaw Run	0+00 to 9+55	8	Station		48	Stations		9.55	458
Landing	6"- 0" Jaw Run	9+55	8	Station		48	Stations		0.74	36
Truch Turnaround	6"- 0" Jaw Run	3+54	8	Station		48	Stations		0.41	20
Truch Turnaround	1.5"- 0" Crushed Rock	3+54	4	Station		22	Stations		0.45	10
Culvert bedding	1.5"- 0" Crushed Rock	Pipe # 1	varies	Site		24	Sites		1	24
Culvert outlet dissipator	Pit Run	Pipe # 1	varies	Site		3	Sites		1	3
									Total Rock for road segment	**761**

Road Segment: Pt. 1 to Pt. 2				Point to Point			Sta. to Sta.			Total Volume (CY)
Application	Rock Size and Type	Location	Rock Depth (in)	Pt. 1	to	Pt. 2	0+00	to	22+32	
				Volume (CY)			Number of			
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 8+14	4	Station		22	Stations		8.14	179
Road Base Rock	6"- 0" Jaw Run	8+14 to 22+32	8	Station		48	Stations		14.18	681
Road Top Rock	1.5"- 0" Crushed Rock	8+14 to 22+32	4	Station		22	Stations		14.18	312
Culvert bedding	1.5"- 0" Crushed Rock	Pipe # 2, #3, #4	varies	Site		24	Sites		3	72
Culvert outlet dissipator	Pit Run	Pipe # 2, #3, #4	varies	Site		3	Sites		3	9
									Total Rock for road segment	**1,253**

Road Segment: Pt. 3 to Pt. 4				Point			Station			Total Volume (CY)
Application	Rock Size and Type	Location	Rock Depth (in)	Pt. 3	to	Pt. 4	0+00	to	6+57	
				Volume (CY)			Number of			
Road Base Rock	6"- 0" Jaw Run	0+00 to 6+57	8	Station		48	Stations		6.57	315
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 6+57	4	Station		22	Stations		6.57	145
Landing	6"- 0" Jaw Run	6+57	8	Station		48	Stations		0.74	36
Truch Turnaround	6"- 0" Jaw Run	5+27	8	Station		48	Stations		0.41	20
Truch Turnaround	1.5"- 0" Crushed Rock	5+27	4	Station		22	Stations		0.45	10
									Total Rock for road segment	**525**

Road Segment: Pt. 5 to Pt. 6				Point to Point			Sta. to Sta.			Total Volume (CY)
Application	Rock Size and Type	Location	Rock Depth (in)	Pt. 5	to	Pt. 6	0+00	to	14+60	
				Volume (CY)			Number of			
Road Base Rock	6"- 0" Jaw Run	0+00 to 14+60	8	Station		48	Stations		14.60	701
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 14+60	4	Station		22	Stations		14.60	321
Truch Turnaround	6"- 0" Jaw Run	6+23 and 14+60	8	Station		20	Stations		2	40
Truch Turnaround	1.5"- 0" Crushed Rock	6+23 and 14+60	4	Station		10	Stations		2	20
Culvert bedding	1.5"- 0" Crushed Rock	Pipe # 5, #6	varies	Site		24	Sites		2	48
Culvert outlet dissipator	Pit Run	Pipe # 5, #6	varies	Site		3	Sites		2	6
									Total Rock for road segment	**1,136**

Rock Summary Table

Location	Size of Rock	Needed	In Stockpile
Tom Rock Pit	1.5"- 0" Crushed	1,351 cy	1,351 cy
Tom Rock Pit	6"- 0"Jaw Run	2,306 cy	2,306 cy
Tom Rock Pit	Pit Run Dissipators	18 cy	Dig in pit

Cold Creek (Sale Name)

N30	(Quarry)	N30	(Stockpile)		
Jaw Run	(Rock Type)	D10	(Truck)		(Grader)
6"-0	(Rock Size)	Cat Exc	(Loader)		(Tractor)

Hauling Time Computation

Speed	Miles		Time	
50 MPH		Miles per round trip	0.00	Minutes
40 MPH		Miles per round trip	0.00	Minutes
35 MPH		Miles per round trip	0.00	Minutes
30 MPH		Miles per round trip	0.00	Minutes
25 MPH	2	Miles per round trip	4.80	Minutes
20 MPH		Miles per round trip	0.00	Minutes
15 MPH	1	Miles per round trip	4.00	Minutes
10 MPH		Miles per round trip	0.00	Minutes
5 MPH	0.5	Miles per round trip	6.00	Minutes
	3.5	**Total Miles per Round Trip**		
Dump or Spread Time per Round Trip			0.25	Minutes
Total Hauling Cycle Time for this Setting (100% Efficiency)			15.25	Minutes
Operator Efficiency Correction (80% Efficiency)			19.06	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	1.59	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.52	min/cu.yd
Total Time Per Cubic Yard	2.11	min/cu.yd

Hauling Cost Per Cubic Yard Computation		
Cost of Truck Per Hour	$ 50.00	per Hr.
Cost of Truck Operator Pre Hour	$ 70.00	per Hr.
Total Operating Cost Per Hour	$ 120.00	per Hr.
Operating Cost Per Minute	$ 2.00	per Min.
Cost Per Cubic Yard	**$ 4.22**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$ 1.25**	per Cu. Yd.
Placement Cost Per Cubic Yard		
Cost of grader Per Hour	$ 75.00	per Hr.
Cost of Operator Per Hour	$ 70.00	per Hr.
Cost of Compaction Equip. Per Hour	$ 75.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$ 70.00	per Hr.
Total Operating Cost Per Hour	$ 290.00	per Hr.
Cost Per Cubic Yard to Place and Compact	**$ 2.01**	Cu. Yd.
Total Cost to Load, Haul and Place	**$ 7.48**	Cu. Yd.
No Crushing Cost		
Grand Total Combined	**$ 7.48**	

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 70.00	$ 140.00
D10	$ 50.00	12	$ 70.00	$ 120.00
OH25	$ 80.00	25	$ 70.00	$ 150.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 75.00	$ 70.00	$ 145.00
14-G	$ 95.00	$ 70.00	$ 165.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 75.00	$ 70.00	$ 145.00
Vib. Grid Roller	$ 75.00	$ 70.00	$ 145.00
Hand Held Compactor	$ 15.00	$ 70.00	$ 85.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 60.00	$ 70.00	$ 130.00
D6	$ 100.00	$ 70.00	$ 170.00
D7	$ 125.00	$ 70.00	$ 195.00
D8	$ 150.00	$ 70.00	$ 220.00

Loader/Excavator	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Loader	$ 80.00	3	$ 70.00	$ 150.00
Cat Excavator	$ 150.00	3	$ 70.00	$ 220.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	5.00	6
Rip Rap Rock	10	2.50	12.5
Fill Material	5	1.25	6.25
Reclaim Rock	5	1.25	20

Dump or Spread Time (Min)	
Pile Dump	0.25
Truck Spread	2
Spreading w/Grader	5
Placement of Rip Rap	10

2

James Stuart 10/31/2025

Cold Creek (Sale Name)

N30	(Quarry)	N30		(Stockpile)		Spread	
Crushed	(Rock Type)	D10	(Truck)	12-G	(Grader)	Vibratory Roller	(Compactor)
1.5"- 0"	(Rock Size)	14G	(Loader)	D8	(Tractor)		

Hauling Time Computation

50 MPH		Miles per round trip	0.00	Minutes
40 MPH		Miles per round trip	0.00	Minutes
35 MPH		Miles per round trip	0.00	Minutes
30 MPH		Miles per round trip	0.00	Minutes
25 MPH	2	Miles per round trip	4.80	Minutes
20 MPH		Miles per round trip	0.00	Minutes
15 MPH	1	Miles per round trip	4.00	Minutes
10 MPH		Miles per round trip	0.00	Minutes
5 MPH	0.5	Miles per round trip	6.00	Minutes
	3.5	**Total Miles per Round Trip**		
Dump or Spread Time per Round Trip			0.25	Minutes
Total Hauling Cycle Time for this Setting (100% Efficiency)			15.05	Minutes
Operator Efficiency Correction (80% Efficiency)			18.81	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	1.57	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.52	min/cu.yd
Total Time Per Cubic Yard	2.09	min/cu.yd

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour	$	50.00	per Hr.
Cost of Truck Operator Pre Hour	$	70.00	per Hr.
Total Operating Cost Per Hour	$	120.00	per Hr.
Operating Cost Per Minute	$	2.00	per Min.
Cost Per Cubic Yard	**$**	**4.18**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$**	**1.30**	per Cu. Yd.
Spreading Cost Per Cubic Yard			
Cost of Grader Per Hour	$	75.00	per Hr.
Cost of Grader Operator Per Hour	$	70.00	per Hr.
Cost of Compaction Equip. Per Hour	$	75.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$	70.00	per Hr.
Total Operating Cost Per Hour	$	290.00	per Hr.
Cost Per Cubic Yard to Grade and Roll	**$**	**2.01**	Cu. Yd.
Total Cost to Load, Haul and Place	**$**	**7.49**	Cu. Yd.
No Crushing Cost	**$**	**-**	
Grand Total Combined	**$**	**7.49**	

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 70.00	$ 140.00
D10	$ 50.00	12	$ 70.00	$ 120.00
OH25	$ 80.00	25	$ 70.00	$ 150.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 75.00	$ 70.00	$ 145.00
14-G	$ 95.00	$ 70.00	$ 165.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 75.00	$ 70.00	$ 145.00
Vib. Grid Roller	$ 75.00	$ 70.00	$ 145.00
Hand Held Compactor	$ 15.00	$ 70.00	$ 85.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 60.00	$ 70.00	$ 130.00
D6	$ 100.00	$ 70.00	$ 170.00
D7	$ 125.00	$ 70.00	$ 195.00
D8	$ 150.00	$ 70.00	$ 220.00

Loader	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Loader	$ 80.00	3	$ 70.00	$ 150.00
Cat Excavator	$ 150.00	3	$ 70.00	$ 220.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	5.00	10
Rip Rap Rock	10	2.50	12.5
Fill Material	5	1.25	6.25
Reclaim Rock	5	1.25	20

Dump or Spread Time (Min)	
Pile Dump	0.25
Truck Spread	2
Spreading w/Grader	5
Place Rip Rap	10

James Stuart 10/31/2025

Cold Creek (Sale Name)

N30	(Quarry)	N30	(Stockpile)			Spread	
Pit Run	(Rock Type)	D10	(Truck)	12-G	(Grader)	Vibratory Roller	(Compactor)
8"+	(Rock Size)	14G	(Loader)	D8	(Tractor)		

Hauling Time Computation

50 MPH		Miles per round trip	0.00	Minutes
40 MPH		Miles per round trip	0.00	Minutes
35 MPH		Miles per round trip	0.00	Minutes
30 MPH		Miles per round trip	0.00	Minutes
25 MPH	2	Miles per round trip	4.80	Minutes
20 MPH		Miles per round trip	0.00	Minutes
15 MPH	1	Miles per round trip	4.00	Minutes
10 MPH		Miles per round trip	0.00	Minutes
5 MPH	0.5	Miles per round trip	6.00	Minutes
	3.5	**Total Miles per Round Trip**		
Dump or Spread Time per Round Trip			0.25	Minutes
Total Hauling Cycle Time for this Setting (100% Efficiency)			15.05	Minutes
Operator Efficiency Correction (80% Efficiency)			18.81	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	1.57	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.83	min/cu.yd
Total Time Per Cubic Yard	2.40	min/cu.yd

Hauling Cost Per Cubic Yard Computation		
Cost of Truck Per Hour	$ 50.00	per Hr.
Cost of Truck Operator Pre Hour	$ 70.00	per Hr.
Total Operating Cost Per Hour	$ 120.00	per Hr.
Operating Cost Per Minute	$ 2.00	per Min.
Cost Per Cubic Yard	**$ 4.80**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$ 3.06**	per Cu. Yd.
Spreading Cost Per Cubic Yard		
Cost of Excavator Per Hour	$ 75.00	per Hr.
Cost of Excavator Operator Per Hour	$ 70.00	per Hr.
Cost of Compaction Equip. Per Hour	$ 75.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$ 70.00	per Hr.
Total Operating Cost Per Hour	$ 290.00	per Hr.
Cost Per Cubic Yard to Place and Compactl	**$ 0.10**	Cu. Yd.
Total Cost to Load, Haul and Place	**$ 7.96**	Cu. Yd.
No Crushing	**$ -**	
Grand Total Combined	**$ 7.96**	

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 70.00	$ 140.00
D10	$ 50.00	12	$ 70.00	$ 120.00
OH25	$ 80.00	25	$ 70.00	$ 150.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 75.00	$ 70.00	$ 145.00
14-G	$ 95.00	$ 70.00	$ 165.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 75.00	$ 70.00	$ 145.00
Vib. Grid Roller	$ 75.00	$ 70.00	$ 145.00
Hand Held Compactor	$ 15.00	$ 70.00	$ 85.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 60.00	$ 70.00	$ 130.00
D6	$ 100.00	$ 70.00	$ 170.00
D7	$ 125.00	$ 70.00	$ 195.00
D8	$ 150.00	$ 70.00	$ 220.00

Loader	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Loader	$ 80.00	3	$ 70.00	$ 150.00
Cat Excavator	$ 150.00	3	$ 70.00	$ 220.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	5.00	10.00
Rip Rap Rock	5	2.50	7.5
Fill Material	5	1.25	6.25

Dump or Spread Time (Min)	
Pile Dump and place rock	0.25
Truck Spread	7
Spreading w/Grader	5
Place Rip Rap	10

Cold Creek (Sale Name)

Total Yards End Hauled: cy

On site End Push

						Spread and Compact	
Waste	(Type)	D10	(Truck)	D6	(Grader)	Vibratory Roller	(Compactor)
	(Rock Size)		(Loader)	Cat 336F Excavator	(Excavator)		
	(Water Truck Size)		Gal/cu.yd				

Endpush Time Computation

50 MPH		Miles per round trip	0	Minutes
40 MPH		Miles per round trip	0	Minutes
35 MPH		Miles per round trip	0	Minutes
30 MPH		Miles per round trip	0	Minutes
25 MPH		Miles per round trip	0	Minutes
20 MPH		Miles per round trip	0	Minutes
15 MPH		Miles per round trip	0	Minutes
10 MPH		Miles per round trip	0	Minutes
5 MPH	0.1	Miles per round trip	1	Minutes
	0.10	**Total Miles per Round Trip**		
Dump or Spread Time per Round Trip			0.25	Minutes
Total Hauling Cycle Time for this Setting (100% Efficiency)			5.00	Minutes
Operator Efficiency Correction (80% Efficiency)			6.25	Minutes

Time Per Cubic Yard

Pushing Only (per cubic yard)	0.63	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.00	min/cu.yd
Total Time Per Cubic Yard	0.63	min/cu.yd

Cost Per Cubic Yard Computation

Cost of D8 cat Per Hour	$ 150.00	per Hr.
Cost of Operator Pre Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 200.00	per Hr.
Operating Cost Per Minute	$ 3.33	per Min.
Cost Per Cubic Yard	**$ 2.08**	per Cu. Yd.
No loading		per Cu. Yd.

Spreading Cost Per Cubic Yard

Cost of D8 cat Per Hour	$ 150.00	per Hr.
Cost of D8 cat Operator Per Hour	$ 50.00	per Hr.
Cost of Compaction Equip. Per Hour	$ 75.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 325.00	per Hr.
Cost Per Cubic Yard to Place and Compact	$ 2.71	Cu. Yd.
Total Cost to push	**$ 4.79**	Cu. Yd.

Rates

Dump Truck	**Rate ($/Hr.)**	**Capacity (cy)**	**Operator ($/Hr.)**	**Total**
B20	$ 70.00	20	$ 40.00	$ 110.00
D10	$ 50.00	12	$ 40.00	$ 90.00
OH25	$ 80.00	25	$ 40.00	$ 120.00

Grader	**Rate ($/Hr.)**	**Operator ($/Hr.)**	**Total**
12-G	$ 75.00	$ 50.00	$ 125.00
14-G	$ 95.00	$ 50.00	$ 145.00

Compaction Equipment	**Rate ($/Hr.)**	**Operator ($/Hr.)**	**Total**
Vibratory Roller	$ 75.00	$ 50.00	$ 125.00
Vib. Grid Roller	$ 75.00	$ 50.00	$ 125.00
Hand Held Compactor	$ 15.00	$ 50.00	$ 65.00

Tractors	**Rate ($/Hr.)**		**Operator ($/Hr.)**	**Total**
D4	$ 60.00		$ 50.00	$ 110.00
D6	$ 100.00		$ 50.00	$ 150.00
D7	$ 125.00		$ 50.00	$ 175.00
D8	$ 150.00	10	$ 50.00	$ 200.00

Loader	**Rate ($/Hr.)**	**Capacity (cy)**	**Operator ($/Hr.)**	**Total**
14G Cat Wheel Loader	$ 80.00	3	$ 50.00	$ 130.00
Cat 336F Excavator	$ 150.00	3	$ 50.00	$ 200.00

Loading Costs	**Rate (Min/Load)**	**Delay (Min)**	**Total Loading Time (Min)**
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	1.25	6.25
Rip Rap Rock	5	1.25	6.25
Fill Material	5	1.25	6.25

Dump or Spread Time (Min)	
Pile Dump	0.25
Truck Spread	0.5
Spreading w/dozer	5
Place with Excavator	2.00

MOVE-IN COSTS

Cold Creek

Move in costs							
No.	Equipment Description	Transport Cost	Hours of Transport	Cost to Move	Weedwash Time (Hrs)	Weedwash Labor ($50/hour)	Total Cost
1	Grader	$ 200.00	7	$ 1,400.00	0	$ -	$ 1,400.00
1	Rollers & Compactor	$ 200.00	7	$ 1,400.00	0	$ -	$ 1,400.00
1	Excavator	$ 250.00	7	$ 1,750.00	6	$ 300.00	$ 2,050.00
0	Small backhoe	$ 200.00	7	$ 1,400.00	4	$ 200.00	$ -
1	Tractors Dozer (D5 - D8)	$ 250.00	7	$ 1,750.00	6	$ 300.00	$ 2,050.00
2	Dump Truck (10 cy +)	$ 110.00	2	$ 220.00	0	$ -	$ 440.00
1	Loader	$ 250.00	7	$ 1,750.00	0	$ -	$ 1,750.00
0	Road Brusher	$ 200.00	7	$ 1,400.00	6	$ 300.00	$ -
1	Water Truck (1000 gallon)	$ 110.00	2	$ 220.00	0	$ -	$ 220.00
						Total one time	$ 9,310.00

TOTAL MOVE-IN COSTS =	$ 9,310.00

James Stuart 10/31/2025

CRUISE REPORT
Cold Creek
Contract No. NC-341-2026-W01267-01

1. Location:
Portions of Sections 22 & 27, T9S, R4E, W.M., Marion County, Oregon.

2. Cruise Method:

The sale consists of one clearcut unit cruised using variable plots with a Basal Factor of 40. To achieve a BF/acre SE of 11% or lower, 22 plots were laid out on a 4x4 chain grid with a 1:1 ratio of measure to count plots.

3. Tree Measurement and Grading:

All grade plot sample trees were measured and graded following Columbia River Log Scale grade rules and favoring 40 foot segments.

a) **Height Standards:** Total tree heights were measured to the nearest foot. Bole heights were calculated to 25% of DBH or 5 inches, whichever was greater.
b) **Diameter Standards:** Diameters were measured outside bark at breast height to the nearest inch.
c) **Form Factors:** Form factors were measured or estimated for each grade tree using a form point of 16 feet.

4. Data Processing:

a) **Volumes and Statistics:** Cruise, volume estimates and sampling statistics were derived from Super Ace 2024 cruise software.

b) **Deductions:** A 6% volume deduction was used for Douglas-fir and an 8% volume deduction for Western hemlock for hidden defect and breakage.

c) **Acreage:** Unit 1 has a total net acres of 38
Unit 2 (R/W) has a total net acre of 1

5. Timber Description:

The Timber is primarily 65-year-old Douglas-fir. The stand contains a small amount of Western hemlock, and Western redcedar. The average Douglas-fir to be removed is approximately 19 inches DBH. The average volume per acre to be harvested (net) is approximately 27 MBF. Unit 2 R/W was not calculated to contribute volume as it mostly coincides with an old, degraded roadbed which has no trees present. This timber sale wholly resides within the fire perimeter of the 2020 Santiam Fire.

6. Cruisers:

Sale Area cruised by ODF in 2025: Sandborg

7. **<u>Total Volume (MBF) by Species and Grade</u>:**

Unit	Species	Gross Volume (MBF)	Cruised D & B	Cruised D & B (MBF)	Hidden D & B	Hidden D & B (MBF)	Net Sale Volume
1	DF	1,045	1.0%	11	6%	63	971
	WH	13	3.0%	<1	8%	1	12
Total		1,058	1.0%	11	6.1%	64	**983**

Unit	Species	Avg. DBH	Total Net. Vol.	2-Saw	3-Saw	4-Saw
Unit 1	Douglas-fir	19	Grade %	66.9%	26.6%	6.5%
			971	650	258	63
	Western Hemlock	20	Grade %	73.7%	23.7%	2.6%
			12	9	3	<1
Total			**983**	**659**	**261**	**63**

Statistics of Sampled Population

State, County:	OR MARION	Lths:	ACI-2023	Species:	GEN WEST	Page:	1/1
Project:	COLD CREEK FY26	#Plots	21	Sort:	WEST OREGON	Date:	10/08/2025
Tract:	1	# Trees:	82	Grade:	NW SCALE GRADES	Cruised:	10/03/2025
Stand:	1	# Measured Trees:	49	Price:	ACI-2018	Grown To:	
Acres:	38.00	# Count Trees:	33	Cost:	ACI-2023	Edited:	10/08/2025

Sample data collection information

	Total Plots	Sample Trees	Trees /Plot	Trees /Acre	Est Total Trees	% Sample Trees
Basal Plots (B)	12	49	4.08	52.070	1,978	2.48
Basal DBH Count Plots (B)	8	33	4.13	31.755	1,206	2.74
Blank Plots (B)	1		.00	.000		.00

Stand Summary - Averages

Species Group	St	Sample Tres	QM Dbh	Avg Total Ht	Trees /Acre	Basal Area /Acre	RD %	Mbf CV %	Mbf SE %	Tons /Acre	Net Ccf /Acre	Net Mbf /Acre	Total Net Ccf	Total Net Mbf
DOUG FIR		42	19.4	113	68.901	140.95	32.03	43.1	9.4	169	59.35	27.204	2,255	1,034
DOUG FIR	D	4	13.3	96	9.801	9.52	2.61	124.9	72.1	4	1.26	.297	48	11
WHEMLOCK		1	20.0	102	0.873	1.90	0.43			2	0.77	.332	29	13
WHEMLOCK	D	2	12.8	65	4.250	3.81	1.06				0.00	.000		
		49	18.5	109	83.825	156.19	36.13	42.1	9.2	175	61.39	27.833	2,333	1,058

Confidence Level (CL) 95.44 out of 100. Standard Deviation (SD) 1.00

Coefficient of Variation % (CV) and Stand Error of Estimate % (SE) are both computed from plot data

					per-Acre Range			Plots Required for SE%			Total Volume Range		
Measured Unit	SD	CL	CV%	SE%	Low	Avg	High	5%	10%	15%	Low	Avg	High
Net Mbf (1000 BdFt)	1.00	95.44	42.13	9.19	25.27	27.83	30.39	70	17	7	960	1,058	1,155
Net Ccf (100 CuFt)	1.00	95.44	40.86	8.92	55.92	61.39	66.86	66	16	7	2,125	2,333	2,541
Net Tons	1.00	95.44	40.84	8.91	159.54	175.15	190.76	66	16	7	6,063	6,656	7,249
Basal Area	1.00	95.44	42.78	9.34	141.61	156.19	170.77	73	18	8			
Trees	1.00	95.44	63.22	13.80	72.26	83.83	95.39	159	39	17			

					per-Tree Range			Sample Trees Required		
Sample Trees BF	1.00	95.44	107.19	13.84	459	532	606	459	114	51
Sample Trees CF	1.00	95.44	90.28	11.65	99	112	125	325	81	36

Trees per Plot	Number Required		
Required Measured Trees per Plot - BdFt per Acre	6	6	7
Required Measured Trees per Plot - CuFt per Acre	4	5	5

Species, Sort, Grade - Mbf by Species, Sort, Grade; Summarized: Len, Dia Classes

State, County: OR MARION	Lths and Dias: ACI-2023	Species: GEN WEST	Page: 1/1
Project: COLD CREEK FY26	# Plots: 21	Sort: WEST OREGON	Date: 10/08/2025
Tract: 1	# Trees: 82	Grade: NW SCALE GRADES	Cruised: 10/03/2025
Stand: 1	# Meas Trees: 49	Price: ACI-2018	Grown:
Acres: 38.00	# Count Trees: 33	Cost: ACI-2023	Edited: 10/08/2025

					BdFt per Acre			Total	Percent (%) of Net BdFt Volume																Average Log				
									Log Scale Dia								Log Length												
Species	Stat	Srt	Grd	% Net BdFt	% Def	Gross	Net	Net Mbf	2-4	5-7	8-11	12-17	18-23	24-29	30-39	40-99	12-15	16-21	22-23	24-27	28-31	32-35	36-39	40+	Len (Ft)	Dia (In)	BdFt	CuFt / Len	Logs /Acre
DF		Do	2M	66.9	1.2	18,417	18,202	692				65	24	8	3								3	97	39	15.8	382	1.9	47.692
DF		Do	3M	26.6	1.1	7,312	7,233	275		6	94										1		1	98	39	9.3	118	0.7	61.391
DF		Do	4M	6.5		1,769	1,769	67		98	2						4	23	2	26	2	7		36	25	5.6	29	0.3	61.550
DF		**Totals**		**100.0**	**1.0**	**27,499**	**27,204**	**1,034**		**8**	**25**	**43**	**16**	**5**	**2**			**1**		**2**			**2**	**94**	**35**	**9.8**	**159**	**1.0**	**170.633**
DF	D	Do	2M	54.1	50.0	321	161	6				100												100	40	17.6	230	2.4	.698
DF	D	Do	3M	45.9	46.7	256	136	5			100													100	40	10.9	80	0.9	1.705
DF-D		**Totals**		**100.0**	**49.0**	**577**	**297**	**11**			**46**	**54**												**100**	**40**	**12.9**	**124**	**1.3**	**2.404**
WH		Do	2M	73.7	3.4	253	244	9				100												100	40	14.8	280	1.5	.873
WH		Do	3M	23.7		79	79	3			100											100			32	9.1	90	0.8	.873
WH		Do	4M	2.6		9	9			100							100								12	5.7	10	0.3	.873
WH		**Totals**		**100.0**	**3.0**	**341**	**332**	**13**		**3**	**24**	**74**					**3**					**24**		**74**	**28**	**9.9**	**127**	**1.1**	**2.619**
Totals All Species				**100.0**	**2.0**	**28,416**	**27,833**	**1,058**		**8**	**25**	**44**	**16**	**5**	**2**			**1**		**2**		**1**	**2**	**93**	**35**	**9.8**	**158**	**1.0**	**175.656**

Stand Summary Report

State, County: OR MARION
Project: COLD CREEK FY26
Tract: 1
Stand: 1
Acres: 38.00

Lths & Dias: ACI-2023
Plots: 21
Trees: 82
Measured Trees: 49
Count Trees: 33

Species GEN WEST
Sort: WEST OREGON
Grade: NW SCALE GRADES
Price: ACI-2018
Cost: ACI-2023

Page: 1/1
Date: 10/08/2025
Cruised: 10/03/2025
Grown To:
Edited: 10/08/2025

Spp	St	Dbh	Smpl Trees	Avg Age	Avg FF	Avg Total Ht	Trees /Ac	BA /Ac	Logs /Ac	Ht/D Inches	Net Per Log CuFt	Net Per Log BdFt	Net Per Acre Tons	Net Per Acre CuFt	Net Per Acre BdFt	BdFt Def %	Total Net Tons	Total Net Ccf	Total Net Mbf
DF		9	1	70	90	82	4.311	1.90	4.311	109.3	10	40	1	42	172	0.0	45	16	7
DF		12	1	70	89	92	2.425	1.90	4.850	92.0	13	55	2	63	267	9.1	68	24	10
DF		13	2	70	90	97	4.133	3.81	8.266	89.1	16	68	4	132	558	0.0	142	50	21
DF		16	4	70	90	109	5.457	7.62	10.913	82.1	27	110	8	290	1,200	1.1	314	110	46
DF		17	1	70	90	125	1.208	1.90	3.625	88.2	24	103	2	85	375	0.0	93	32	14
DF		18	2	70	90	120	2.156	3.81	6.467	80.0	26	108	5	165	701	0.0	179	63	27
DF		19	0	70	90	113	29.795	60.95	73.787	70.2	35	159	73	2,567	11,764	1.1	2,780	975	447
DF		20	7	70	90	122	6.103	13.33	18.309	72.9	31	137	16	576	2,502	1.0	623	219	95
DF		21	5	70	90	121	3.960	9.52	11.879	69.0	35	158	12	417	1,877	3.0	452	159	71
DF		22	3	70	89	120	2.192	5.71	6.575	65.6	37	160	7	242	1,051	1.4	262	92	40
DF		23	1	70	91	128	0.660	1.90	1.981	66.8	43	203	2	84	403	0.0	91	32	15
DF		24	4	70	89	134	2.425	7.62	7.276	67.1	44	214	9	322	1,558	0.4	349	122	59
DF		25	1	70	88	128	0.559	1.90	1.676	61.4	50	217	2	84	363	3.1	91	32	14
DF		27	2	70	87	138	0.958	3.81	2.874	61.3	59	272	5	171	781	0.6	185	65	30
DF		28	2	70	89	132	0.891	3.81	2.673	56.4	64	315	5	171	842	0.0	186	65	32
DF		30	1	70	87	141	0.388	1.90	1.164	56.4	80	390	3	93	454	0.9	101	35	17
DF		31	1	70	86	138	0.363	1.90	1.090	53.4	76	390	2	83	425	0.0	90	32	16
DF		34	1	70	87	128	0.302	1.90	0.906	45.2	90	447	2	82	405	0.0	89	31	15
DF		36	1	70	91	142	0.269	1.90	0.808	47.3	117	643	3	94	520	0.0	102	36	20
DF		44	1	70	90	149	0.180	1.90	0.541	40.6	137	790	2	74	428	1.7	80	28	16
DF		46	1	70	87	164	0.165	1.90	0.660	42.8	149	848	3	99	559	0.0	107	37	21
DF			**42**	**70**	**90**	**113**	**68.901**	**140.95**	**170.633**	**75.1**	**35**	**159**	**169**	**5,935**	**27,204**	**1.1**	**6,428**	**2,255**	**1,034**
DF	D	10	1	70	87	85	3.492	1.90	0.000	102.0						0.0			
DF	D	12	1	70	87	95	2.425	1.90	0.000	95.0						0.0			
DF	D	13	0	70	87	96	1.960	1.90	0.481	86.1	53	124	1	25	59	94.3	27	10	2
DF	D	16	1	70	87	109	1.364	1.90	1.364	81.7	35	80	1	48	109	87.5	52	18	4
DF	D	25	1	70	87	135	0.559	1.90	0.559	64.8	94	230	2	53	129	100.0	57	20	5
DF-D			**4**	**70**	**87**	**96**	**9.801**	**9.52**	**2.404**	**92.1**	**53**	**124**	**4**	**126**	**297**	**48.5**	**137**	**48**	**11**
WH		20	1	70	92	102	0.873	1.90	2.619	61.2	29	127	2	77	332	2.6	91	29	13
WH			**1**	**70**	**92**	**102**	**0.873**	**1.90**	**2.619**	**61.2**	**29**	**127**	**2**	**77**	**332**	**2.6**	**91**	**29**	**13**
WH	D	11	1	70	87	52	2.886	1.90	0.000	56.7						0.0			
WH	D	16	1	70	87	92	1.364	1.90	0.000	69.0						0.0			
WH-D			**2**	**70**	**87**	**65**	**4.250**	**3.81**	**0.000**	**60.7**	**0**	**0**				**0.0**			
Stands/Project:			**49**	**70**	**89**	**109**	**83.826**	**156.19**	**175.656**	**76.2**	**35**	**158**	**175**	**6,139**	**27,833**	**2.1**	**6,656**	**2,333**	**1,058**

Log Stock - Mbf by Species, Sort, Grade, Len, Dia Class

State, County: OR MARION | Lths And Dias ACI-2023 | Species: GEN WEST | Page: 1/1

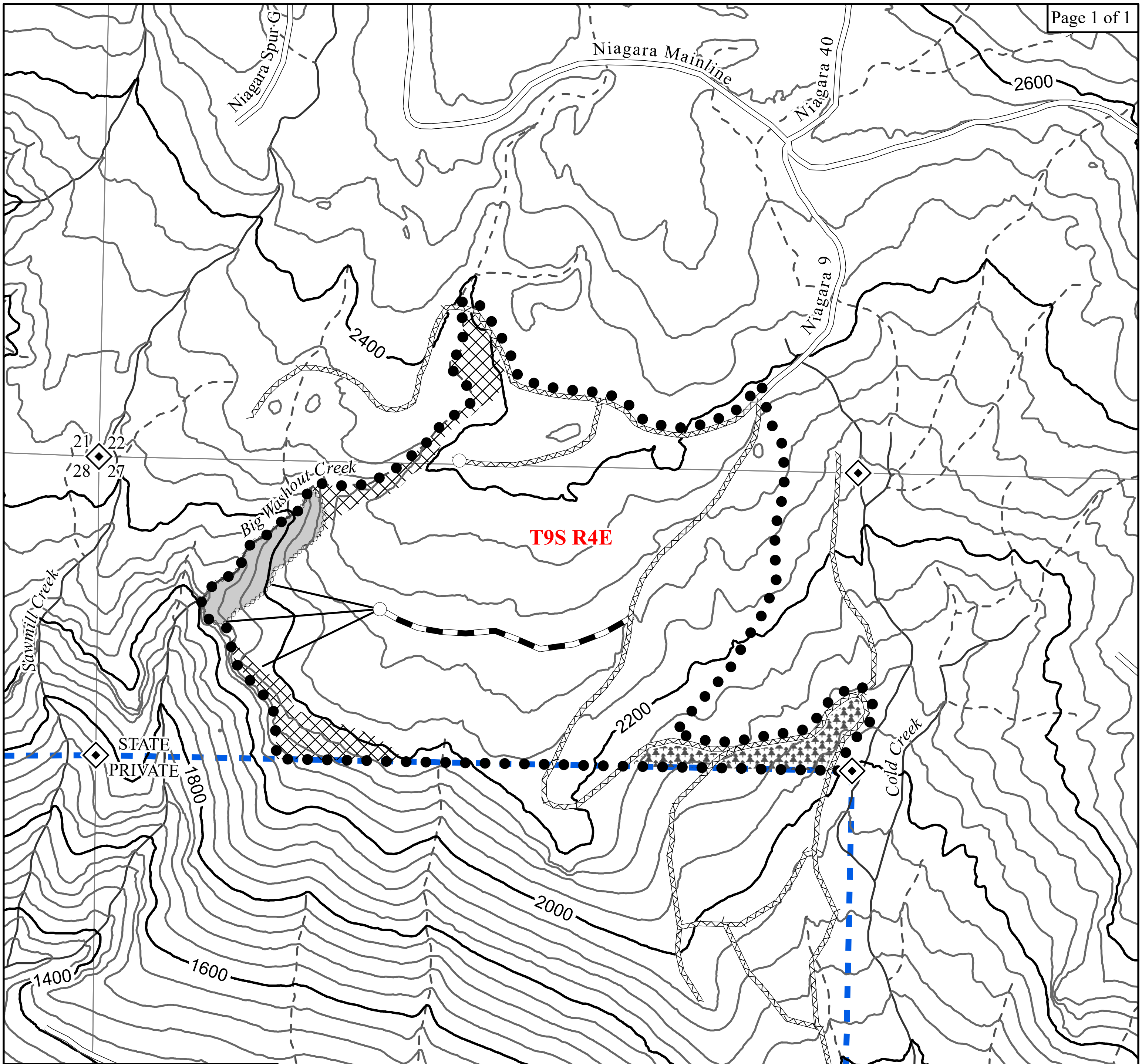
Project: COLD CREEK FY26 | # Plots: 21 | Sort: WEST OREGON | Date: 10/08/2025

Tract: 1 | # Trees: 82 | Grade: NW SCALE GRADES | Cruised: 10/03/2025

Stand: 1 | # Measured Trees: 49 | Price: ACI-2018 | Grown To:

Acres: 38.00 | # Count Trees: 33 | Cost: ACI-2023 | Edited: 10/08/2025

Species	Stat us	Srt	Grd	Log Len Class	Gross Mbf	% Def	Net Mbf	% Spp	BdFt Per Acre	Net Mbf by Scaling Diameter in Inches 2-4	5-7	8-11	12-17	18-23	24-29	30-39	40-99
DF		Do	2M	36-39	19	.0	19	1.9	513					19			
DF		Do	2M	40+	680	1.2	672	65.0	17,690				449	149	54	20	
DF		Do	3M	28-31	2	.0	2	0.2	41			2					
DF		Do	3M	36-39	3	.0	3	0.3	79		2	1					
DF		Do	3M	40+	273	1.1	270	26.1	7,113		14	256					
DF		Do	4M	12-15	3	.0	3	0.3	74		2						
DF		Do	4M	16-21	15	.0	15	1.5	398		15						
DF		Do	4M	22-23	1	.0	1	0.1	31		1						
DF		Do	4M	24-27	17	.0	17	1.7	460		17	1					
DF		Do	4M	28-31	1	.0	1	0.1	32		1						
DF		Do	4M	32-35	5	.0	5	0.5	131		5						
DF		Do	4M	40+	24	.0	24	2.4	642		24						
DF			**Total**		**1,045**	**1.1**	**1,034**	**97.7**	**27,204**		**81**	**261**	**449**	**169**	**54**	**20**	
DF	D	Do	2M	40+	12	50.0	6	54.1	161				6				
DF	D	Do	3M	40+	10	46.7	5	45.9	136			5					
DF-D			**Total**		**22**	**48.5**	**11**	**1.1**	**297**			**5**	**6**				
WH		Do	2M	40+	10	3.4	9	73.7	244				9				
WH		Do	3M	32-35	3	.0	3	23.7	79			3					
WH		Do	4M	12-15		.0		2.6	9								
WH			**Total**		**13**	**2.6**	**13**	**1.2**	**332**			**3**	**9**				
Stand(s)/Project Totals					**1,080**	**2.1**	**1,058**	**100.0**	**27,833**								
Percent Meaured Tree Net Mbf =									**100.0**		82	269	464	169	54	20	



Legend

- Timber Sale Boundary
- No Harvest - Slope
- Stream Buffer
- Green Tree Retention Area
- Santiam State Forest
- Surfaced Road
- Blocked Road
- New Construction
- Type N - Perennial
- Type N - Seasonal
- Landing
- Cable Corridor
- Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. NC-341-2026-W01267-01
COLD CREEK
PORTIONS OF SECTIONS 22 & 27 T9S, R4E, W.M.
MARION COUNTY, OREGON

This product is for informational use and may not have been prepared for or be suitable for legal, engineering or survey purposes.

UNIT	TRACTOR ACRES	CABLE ACRES
1 (MC)	36	2
2 (R/W)	1	0
TOTAL	37	2

N
W E
S

1:6,000

0 250 500 1,000 1,500 2,000 Feet

12/01/2025