



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,559,399.39	\$0.00	\$1,559,399.39
		Project Work:	(\$84,412.41)
		Advertised Value:	\$1,474,986.98



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Timber Description

Location: Portions of Section 5 & 6 of T10S, R4E, W.M. & Portions of Section 32 of T9S, R4E W.M., Linn County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	1	0	100
Red Cedar	1	0	100

Volume by Grade	2S	3S & 4S 6"-11"	4S	Total
Douglas - Fir	2,511	227	0	2,738
Red Cedar	6	0	1	7
Total	2,517	227	1	2,745

Comments: Pond Values Used: Local Pond Values, February 2025.

Red alder and other hardwoods Stumpage Price = Pond Value minus Logging Cost:
 $\$207.05 / \text{MBF} = \$500 / \text{MBF} - \$292.95 / \text{MBF}$

Western hemlock and other conifers Stumpage Price = Pond Value minus Logging Cost:
 $\$247.05 / \text{MBF} = \$540 / \text{MBF} - \$292.95 / \text{MBF}$

Pulp Price: $\$20 / \text{MBF} = \$2 / \text{ton} \times 10 \text{ ton} / \text{MBF}$

Other Costs (with Profit & Risk to be added):

Season 1 Equipment Move-In: Accounted for in Logging Cost

Equipment Weed Wash: $((\$50 / \text{hr labor cost}) \times 6 \text{ hour wash time} = \$300 \times 5 \text{ pieces of equipment} = \$1,500$

TOTAL Other Costs (with Profit & Risk to be added) = \$1,500

Other Costs (No Profit & Risk added):

None

SLASH DISPOSAL COSTS

In-Unit Piling: $\$300 / \text{ac} \times 53 \text{ acres} = \$15,900$

Move-In: $((\$250 / \text{hr loaded transport}) + (\$25 / \text{hr} \times 2 \text{ pilots})) \times 4 \text{ hour Move-In Cycle} = \$1,200$

Equipment Weed Wash: $((\$50 / \text{hr labor cost}) \times 6 \text{ hour wash time} = \300

Covering Piles: $(\$8.00 / \text{pile} \times 159 \text{ piles}) + (\$50 / \text{hr} \times 2 \text{ covering personnel} \times 15 \text{ hours}) = \$2,772$

TOTAL Slash Disposal Costs = \$20,172

ROAD MAINTENANCE COSTS

Grader Move-In: \$1,050

Roller Move-In: \$1,050

Green Mtn. Road: $3.5 \text{ miles} \times \$2,100 / \text{mile} = \$7,350$

Potato Hill Road: $2.8 \text{ miles} \times \$2,100 / \text{mile} = \$5,880$

Subtotal = $\$2,100 + \$7,350 + \$5,880 = \$15,330$

TOTAL Road Maintenance Costs = $\$15,330 / 2,745 \text{ MBF} = \$5.58 / \text{MBF}$



Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Logging Conditions

Combination#: 1	Douglas - Fir	72.00%
	Red Cedar	72.00%
Logging System:	Shovel	Process: Manual Falling/Delimbing
yarding distance:	Medium (800 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	15	bd. ft / load: 4600
cost / mbf:	\$144.93	
machines:	Shovel Logger	

Combination#: 2	Douglas - Fir	28.00%
	Red Cedar	28.00%
Logging System:	Cable: Medium Tower >40 - <70	Process: Manual Falling/Delimbing
yarding distance:	Medium (800 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	9	bd. ft / load: 4500
cost / mbf:	\$196.99	
machines:	Log Loader (A) Tower Yarder (Medium)	



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$84,412.41	Other Costs (P/R): \$1,500.00
Slash Disposal: \$20,172.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$5.58

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	4.6
Red Cedar	\$0.00	2.0	4.2



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
\$159.51	\$5.58	\$1.60	\$90.58	\$0.55	\$25.78	\$7.35	\$2.00	\$0.00	\$292.95
Red Cedar									
\$159.51	\$5.58	\$1.60	\$148.81	\$0.55	\$31.60	\$7.35	\$2.00	\$0.00	\$357.00

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$860.17	\$567.22	\$0.00
Red Cedar	\$0.00	\$1,264.29	\$907.29	\$0.00



Timber Sale Appraisal
Kaupper Top
Sale NC-341-2025-W01146-01

District: N Cascade

Date: March 26, 2025

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Red Cedar	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	2,738	\$567.22	\$1,553,048.36
Red Cedar	7	\$907.29	\$6,351.03

Gross Timber Sale Value

Recovery: \$1,559,399.39

Prepared By: Zane Sandborg

Phone: 503-781-7754

KAUPPER TOP

Project No. 1

NEW CONSTRUCT:

		Rocking			
Segments	Length	Pit Run	6" -0" Jaw Run	1.5"- 0"	Total
C to C1 (4+98 to 6+88)	1+90		116 cy	42 cy	\$ 3,376.79
D Landing	0+50		48 cy		\$ 1,113.60
Total	2+40		164 cy	42 cy	

Total miles 0.05 **Project No. 1** \$ 4,490.39

Project No. 2

ROAD IMPROVEMENT:

		Rocking			
Segments	Length/sites	Pit Run	6" -0" Jaw Run	1.5"- 0"	Total
Mad Creek Road	n/a	6		48	\$ 4,738.20
A to A1	38+45	18 cy	1,901 cy	1002	\$ 53,571.64
B to B1	7+93		406 cy	174	\$ 8,261.71
C to C1 (0+00 to 4+98)	4+98		254 cy	116	\$ 5,190.47
Total	51+36	24 cy	2,560 cy	1,340 cy	

Total miles 0.97 **Project No. 2** \$ 71,762.02

Project No. 3

MOVE-IN:

\$ 8,160.00

ROCK SUMMARY TABLE:

Project No. 3 \$ 8,160.00

Rock Totals				
Location	Size of Rock	Needed for Roads	Stockpile	To Crushed
Potato Hill Stockpile	1 .5"-0"	1,383 cy	1,383 cy	none
Mad Creek Pit	6" -0"	2,724 cy	In pit	none
Mad Creek Pit	Pit Run	24 cy	In pit	none
Total				

GRAND TOTAL	\$ 84,412.41
--------------------	---------------------

MOVE-IN COSTS

Kaupper Top

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	6	\$ 1,200.00	0	\$ -	\$ 1,200.00
1	Rollers & Compactor	\$ 200.00	6	\$ 1,200.00	0	\$ -	\$ 1,200.00
1	Excavator	\$ 250.00	6	\$ 1,500.00	6	\$ 300.00	\$ 1,800.00
0	Small backhoe	\$ 200.00	6	\$ 1,200.00	4	\$ 200.00	\$ -
1	Tractors Dozer (D5 - D8)	\$ 250.00	6	\$ 1,500.00	6	\$ 300.00	\$ 1,800.00
2	Dump Truck (10 cy +)	\$ 110.00	2	\$ 220.00	0	\$ -	\$ 440.00
1	Loader	\$ 250.00	6	\$ 1,500.00	0	\$ -	\$ 1,500.00
0	Road Brusher	\$ 200.00	6	\$ 1,200.00	6	\$ 300.00	\$ -
1	Water Truck (1000 gallon)	\$ 110.00	2	\$ 220.00	0	\$ -	\$ 220.00
Total one time							\$ 8,160.00

TOTAL MOVE-IN COSTS =	\$ 8,160.00
-----------------------	-------------

PROJECT NO. 1
NEW CONSTRUCTION

Sale: **Kaupper Top**

Road Segment: **C to C1**

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	1+90		22 cy	48 cy		\$ 650.00	\$ 1,235.00
Landing C1	1			25 cy		\$ 600.00	\$ 600.00

SUB TOTAL \$ 1,835.00

CULVERTS: (Cost includes hauling pipes)

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

\$ -

ACSP = aluminum corrugated steel pipe

Mulch - 2.5 tons/acre
Grass Seed (25 lb bag)
Install 6' long steel "T" posts
Install outlet dissipator

Quantity	Cost	Sub Total	Install \$/Hr	Labor Time	Sum \$
0	\$ -	\$ -	\$ -	1	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0			\$ -	1	\$ -

\$ -

SUB TOTAL \$ -

SURFACING:

Roads	Landings	Roads	Turn Arouds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined \$	Cost
1.5"- 0"		42 cy						42 cy	\$ 7.14	\$ 298.45
6" -0" Jaw Run	25 cy	91 cy						116 cy	\$ 10.70	\$ 1,243.34
Pit Run									\$ 8.13	\$ -

Total = 158 cy

SUB TOTAL \$ 1,541.79

GRAND TOTAL = \$ 3,376.79

NEW CONSTRUCTION

Sale: Kaupper Top

Road Segment: D Landing

NEW CONSTRUCT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5" - 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum \$
D Landing	1			48 cy		\$ 600.00	\$ 600.00

SUB TOTAL	\$ 600.00
------------------	------------------

CULVERTS: (Cost includes hauling pipes)

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

ACSP = aluminum corrugated steel pipe

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

SURFACING:

[illegible]

Total =

48 cy

SUB TOTAL	\$ 513.60
------------------	------------------

GRAND TOTAL =	\$ 1,113.60
---------------	-------------

PROJECT NO. 2
ROAD IMPROVEMENT

Sale: Kaupper Top

Road Segment: Mad Creek Road

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	Sum \$
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	
Culverts	2		24 cy		3 cy		

SUB TOTAL \$ -

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$
1 - 18" x 30' culvert	ACSP	18"	30	\$ 937.20		0		\$ 937.20	\$ 900.00	\$ 1,837.20
1 - 24" x 30' culverts	ACSP	24"	30	\$ 1,225.50		0		\$ 1,225.50	\$ 900.00	\$ 2,125.50
										\$ 3,962.70

ACSP = aluminum corrugated steel pipe

Mulch - 2.5 tons/acre
Grass Seed (25 lb bag)
Install 6' long steel "T" posts
Install outlet dissipator

Quantity	Cost	Sub Total	Install \$/Hr	Labor Time	Sum \$
2	\$ 21.00	\$ 42.00	\$ 40.00	1	\$ 82.00
2	\$ 41.00	\$ 82.00	\$ 40.00	0.5	\$ 102.00
2	\$ 15.00	\$ 30.00	\$ 40.00	0.5	\$ 50.00
2			\$ 75.00	1	\$ 150.00
					\$ 384.00
					SUB TOTAL \$ 4,346.70

SURFACING:

Roads	Landings	Roads	Turn Arouds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined \$	Cost
1.5"- 0"					48 cy			48 cy	\$ 7.14	\$ 342.72
6" -0" Jaw Run									\$ 10.70	\$ -
Pit Run							6 cy	6 cy	\$ 8.13	\$ 48.78
Total =								54 cy	SUB TOTAL	\$ 391.50

GRAND TOTAL = **\$ 4,738.20**

PROJECT NO. 2
ROAD IMPROVEMENT

Sale: **Kaupper Top**

Road Segment: **A to A1**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum \$
Improvement	38+45		22 cy	48 cy		\$ 300.00	\$ 11,535.00
Landing A1	1			25 cy		\$ 350.00	\$ 350.00
Truck Turnaround	2		6 cy	15 cy		\$ 150.00	\$ 300.00
Culverts	6		24 cy		3 cy		

SUB TOTAL \$ 12,185.00

CULVERTS: (Cost includes hauling pipes)

Description	Type	Size	Total Length	Cost	Bevel	Bands	Cost	Sub Total	Install \$	Sum \$
3 - 24" x 30' culverts	ACSP	24"	90	\$ 3,676.50		0		\$ 3,676.50	\$ 2,700.00	\$ 6,376.50
1 - 30" x 30' culvert	ACSP	30"	30	\$ 1,514.10	\$ 2.00	0	\$ 60.00	\$ 1,574.10	\$ 900.00	\$ 2,474.10
1 - 36" x 30' culvert	ACSP	36"	30	\$ 2,307.00	\$ 2.00	0	\$ 72.00	\$ 2,379.00	\$ 1,350.00	\$ 3,729.00
										\$ 12,579.60

ACSP = aluminum corrugated steel pipe

Mulch - 2.5 tons/acre
Grass Seed (25 lb bag)
Install 6' long steel "T" posts
Install outlet dissipator

Quantity	Cost	Sub Total	Install \$/Hr	Labor Time	Sum \$
5	\$ 21.00	\$ 105.00	\$ 40.00	1	\$ 145.00
5	\$ 41.00	\$ 205.00	\$ 40.00	0.5	\$ 225.00
5	\$ 6.00	\$ 30.00	\$ 40.00	0.5	\$ 50.00
5			\$ 150.00	1	\$ 750.00
					\$ 1,170.00
					SUB TOTAL \$ 13,749.60

SURFACING:

Roads	Landings	Roads	Turn Arouds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined \$	Cost
1.5"- 0"		846 cy	12 cy		144 cy			1,002 cy	\$ 7.14	\$ 7,154.28
6" -0" Jaw Run	25 cy	1,846 cy	30 cy					1,901 cy	\$ 10.70	\$ 20,336.42
Pit Run							18 cy	18 cy	\$ 8.13	\$ 146.34
Total =								2,921 cy		

SUB TOTAL \$ 27,637.04

GRAND TOTAL = **\$ 53,571.64**

PROJECT NO. 2
ROAD IMPROVEMENT

Sale: **Kaupper Top**

Road Segment: **B to B1**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum \$
Improvement	7+93		22 cy	48 cy		\$ 300.00	\$ 2,379.00
Landing B1	1			25 cy		\$ 300.00	\$ 300.00

SUB TOTAL \$ 2,679.00

CULVERTS: (Cost includes hauling pipes)

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

\$ -

ACSP = aluminum corrugated steel pipe

Mulch - 2.5 tons/acre
Grass Seed (25 lb bag)
Install 6' long steel "T" posts
Install outlet dissipator

Quantity	Cost	Sub Total	Install \$/Hr	Labor Time	Sum \$
0	\$ -	\$ -	\$ -	1	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0			\$ -	1	\$ -

\$ -

SUB TOTAL \$ -

SURFACING:

Roads	Landings	Roads	Turn Arouds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined \$	Cost
1.5"- 0"		174 cy						174 cy	\$ 7.14	\$ 1,242.36
6" -0" Jaw Run	25 cy	381 cy						406 cy	\$ 10.70	\$ 4,340.35
Pit Run									\$ 8.13	\$ -

Total = 580 cy

SUB TOTAL \$ 5,582.71

GRAND TOTAL = \$ 8,261.71

PROJECT NO. 2
ROAD IMPROVEMENT

Sale: **Kaupper Top**

Road Segment: **C to C1**

IMPROVEMENT:

	Station	Designed Cubic Yards/Station				Cost per	
	Quantity	Pit Run	1.5"- 0"	6" -0" Jaw Run	Dissipator	Station or Acre	Sum \$
Improvement	4+98		22 cy	48 cy		\$ 300.00	\$ 1,494.00
Truck Turnaround	1		6 cy	15 cy		\$ 150.00	\$ 150.00

SUB TOTAL \$ 1,644.00

CULVERTS: (Cost includes hauling pipes)

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

ACSP = aluminum corrugated steel pipe

Mulch - 2.5 tons/acre
Grass Seed (25 lb bag)
Install 6' long steel "T" posts
Install outlet dissipator

Quantity	Cost	Sub Total	Install \$/Hr	Labor Time	Sum \$
0	\$ -	\$ -	\$ -	1	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0	\$ -	\$ -	\$ -	0.5	\$ -
0			\$ -	1	\$ -
					\$ -
					SUB TOTAL \$ -

SURFACING:

Roads	Landings	Roads	Turn Arouds	Two-way Junctions	Culvert Bedding	Landing Tailtrack	Dissipator (cy/pipe)	Total	Haul & Crush Combined \$	Cost
1.5"- 0"		110 cy	6 cy					116 cy	\$ 7.14	\$ 828.24
6" -0" Jaw Run		239 cy	15 cy					254 cy	\$ 10.70	\$ 2,718.23
Pit Run									\$ 8.13	\$ -
Total =								370 cy	SUB TOTAL	\$ 3,546.47

GRAND TOTAL = \$ 5,190.47

Kaupper Top									
Rock Summary Table									
Road Segment: A to A1									
Application	Rock Size and Type	Location	Rock Depth (in)	Point to Point		Sta. to Sta.		Total Volume (CY)	
				A	to B1	0+00	to 38+45	Number of	
				Volume (CY)		Number of			
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 38+45	4	Station	22	Stations	38.45	846	
Road Base Rock	6"- 0" Jaw Run	0+00 to 38+45	8	Station	48	Stations	38.45	1,846	
Turn arounds	6"- 0" Jaw Run	11+24 and 21+81	8	Site	15	Sites	2	30	
Turn arounds	1.5"- 0" Crushed Rock	11+24 and 21+81	4	Site	6	Sites	2	12	
Landing A1	6"- 0" Jaw Run	37+85 to 38+45	8	Station	48	Stations	0.53	25	
Culvert bedding	1.5"- 0" Crushed Rock	Pipe #'s 1,2,3,4,5	varies	Site	24	Sites	6	144	
Culvert outlet dissipator	Pit Run	Pipe #'s 1,2,3,4,5	Varies	Site	3	Sites	6	18	
Total Rock for Road Segment: A to A1									2,921

Road Segment: B to B1									
Application	Rock Size and Type	Location	Rock Depth (in)	Point to Point		Sta. to Sta.		Total Volume (CY)	
				B	to B1	0+00	to 7+93	Number of	
				Volume (CY)		Number of			
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 7+93	4	Station	22	Stations	7.93	174	
Road Base Rock	6"- 0" Jaw Run	0+00 to 7+93	8	Station	48	Stations	7.93	381	
Landing B1	6"- 0" Jaw Run	7+33 to 7+93	8	Station	48	Stations	0.53	25	
Total Rock for Road Segment: B to B1									581

Road Segment: C to C1 (Road Improvement) Start at Station 0+00 to station 4+98									
Application	Rock Size and Type	Location	Rock Depth (in)	Point to Point		Sta. to Sta.		Total Volume (CY)	
				C	to C1	0+00	to 4+98	Number of	
				Volume (CY)		Number of			
Road Top Rock	1.5"- 0" Crushed Rock	0+00 to 4+98	4	Station	22	Stations	4.98	110	
Road Base Rock	6"- 0" Jaw Run	0+00 to 4+98	8	Station	48	Stations	4.98	239	
Turn arounds	6"- 0" Jaw Run	4+98	8	Site	15	Sites	1	15	
Turn arounds	1.5"- 0" Crushed Rock	4+98	4	Site	6	Sites	1	6	
Total Rock for Road Segment: C to C1									370

Road Segment: C to C1 (New Construction) start at Station 4+98 same as Station 0+00 to 1+90									
Application	Rock Size and Type	Location	Rock Depth (in)	Point to Point		Sta. to Sta.		Total Volume (CY)	
				C	to C1	0+00	to 1+90	Number of	
				Volume (CY)		Number of			
Road Base Rock	6"- 0" Jaw Run	4+98 to 6+88	8	Station	48	Stations	1.9	91	
Landing C1	6"- 0" Jaw Run	628 to 6+88	8	Station	48	Stations	0.53	25	
Road Top Rock	1.5"- 0" Crushed Rock	4+98 to 6+88	4	Station	22	Stations	1.9	42	
Total Rock for Road Segment: C to C1									158

Road Segment: D Landing (New Construction) Located on Mad Creek Road									
Application	Rock Size and Type	Location	Rock Depth (in)	Point		Station		Total Volume (CY)	
				Volume (CY)		Number of			
Road Base Rock	6"- 0" Jaw Run	65+48	8	Station	48	Stations	1	48	
Total Rock for Landing: D									48

Road Segment: Mad Creek Road									
Application	Rock Size and Type	Location	Rock Depth (in)	Point to Point		Sta. to Sta.		Total Volume (CY)	
				Volume (CY)		Number of			
Culvert outlet dissipator	Pit Run	52+00 and 60+05	varies	Station	3	Stations	2	6	
Culvert bedding	1.5"- 0" Crushed Rock	52+00 and 60+05	varies	Station	24	Stations	2	48	
Total Rock for Road Segment: Mad Creek Road									54

Rock Summary Table

Location	Size of Rock	Needed	Stockpile
Potato Hill Stockpile	1.5"- 0" Crushed	1,383 cy	1,383 cy
MC500 Pit	6"- 0" Jaw Run	2,724 cy	Stockpiled in pit
MC500 Pit	Pit Run Dissipators	24 cy	Dig in pit

Kaupper Top

(Sale Name)

MC500	(Quarry)	MC500 Pit	(Stockpile)
Jaw Run (Rock Type)	D10 (Truck)		(Grader)
6"-0 (Rock Size)	Cat Exc (Loader)		(Tractor)

Hauling 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	7	Minutes
20 MPH	Miles per round trip	3	Minutes
15 MPH	Miles per round trip	6	Minutes
10 MPH	Miles per round trip	3	Minutes
5 MPH	Miles per round trip	0	Minutes
	Total Miles per Round Trip		

5.89

Dump or Spread Time per Round Trip
Total Hauling Cycle Time for this Setting (100% Efficiency)

Operator Efficiency Correction (80% Efficiency)

Time Per Cubic Yard

Hauling Only (per cubic yard)
Delay Time (while loading = loading time per cubic yard)
Total Time Per Cubic Yard

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour
Cost of Truck Operator Per Hour
Total Operating Cost Per Hour
Operating Cost Per Minute
Cost Per Cubic Yard

Loading Cost Per Cubic Yard
Placement Cost Per Cubic Yard

Cost of grader Per Hour
Cost of Operator Per Hour
Cost of Compaction Equip. Per Hour
Cost of Compaction Equip. Op. Per Hour
Total Operating Cost Per Hour
Cost Per Cubic Yard to Place and Compact

Total Cost to Load, Haul and Place
No Crushing Cost
Grand Total Combined

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)	Loading Time (Min)	Total
Crushed Rock	5	0.25	10	
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	0.5
Spreading w/Grader	5
Placement of Rip Rap	10

Kaupper Top

(Sale Name)

MC500 (Quarry)		Potato Hill		(Stockpile)	
Crushed (Rock Type)		D10 (Truck)		12-G (Grader)	
1.5"-0"		14G (Loader)		D8 (Tractor)	
				Vibratory Roller (Compactor)	

Hauling 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	2	5	Minutes
20 MPH	0	0	Minutes
15 MPH	1	4	Minutes
10 MPH	0.5	3	Minutes
5 MPH		0	Minutes
	Total Miles per Round Trip		
		3.5	
Dump or Spread Time per Round Trip			
Total Hauling Cycle Time for this Setting (100% Efficiency)			
Operator Efficiency Correction (80% Efficiency)			

Time Per Cubic Yard

Hauling Only (per cubic yard)	1.26	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.52	min/cu.yd
Total Time Per Cubic Yard	1.78	min/cu.yd

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour	\$	65.00	per Hr.
Cost of Truck Operator Pre Hour	\$	70.00	per Hr.
Total Operating Cost Per Hour	\$	135.00	per Hr.
Operating Cost Per Minute	\$	2.25	per Min.

Cost Per Cubic Yard

\$	4.00	per Cu. Yd.
\$	1.13	per Cu. Yd.

Loading Cost Per Cubic Yard

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

Total Cost to Load, Haul and Place

No Crushing Cost

Grand Total Combined

\$	2.01	Cu. Yd.
\$	7.14	Cu. Yd.
\$	-	
\$	7.14	

Rates

Dump Truck	Rate (\$/Hr.)	Capacity (cy)	Operator (\$/Hr.)	Total
B20	\$ 80.00	20	\$ 70.00	\$ 150.00
D10	\$ 65.00	12	\$ 70.00	\$ 135.00
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	\$ 20.00	\$	70.00	\$ 90.00
Tractors	Rate (\$/Hr.)	Operator (\$/Hr.)	Total	
D4	\$ 60.00	\$	70.00	\$ 130.00
D6	\$ 85.00	\$	70.00	\$ 155.00
D7	\$ 100.00	\$	70.00	\$ 170.00
D8	\$ 125.00	\$	70.00	\$ 195.00

Loader	Rate (\$/Hr.)	Capacity (cy)	Operator (\$/Hr.)	Total
14G Cat Wheel Loader	\$ 60.00	3	\$ 70.00	\$ 130.00
Cat Excavator	\$ 130.00	3	\$ 70.00	\$ 200.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Loading Time (Min)	Total
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	7	
Spreading w/Grader	5	
Place Rip Rap	10	

Kaupper Top (Sale Name)

MC500	(Quarry)	MC500 Pit	(Stockpile)
Pit Run (Rock Type)	D10 (Truck)	12-G (Grader)	
8"+ (Rock Size)	14G (Loader)	D8 (Tractor)	

Hauling 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	7	Minutes
20 MPH	Miles per round trip	6	Minutes
15 MPH	Miles per round trip	4	Minutes
10 MPH	Miles per round trip	3	Minutes
5 MPH	Miles per round trip	0	Minutes
	Total Miles per Round Trip		
	Dump or Spread Time per Round Trip		
	Total Hauling Cycle Time for this Setting (100% Efficiency)		

Operator Efficiency Correction (80% Efficiency)

Time Per Cubic Yard

Hauling Only (per cubic yard)	
Delay Time (while loading = loading time per cubic yard)	
Total Time Per Cubic Yard	

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	\$	5.93	per Cu. Yd.
Loading Cost Per Cubic Yard	\$	2.08	per Cu. Yd.
Spreading Cost Per Cubic Yard	\$		
Cost of Excavator Per Hour	\$	130.00	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	\$	345.00	per Hr.
Cost Per Cubic Yard to Place and Compact	\$	0.12	Cu. Yd.
Total Cost to Load, Haul and Place	\$	8.13	Cu. Yd.
No Crushing	\$	-	
Grand Total Combined	\$	8.13	

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	\$ 20.00		\$ 70.00	\$ 90.00
Tractors	Rate (\$/Hr.)		Operator (\$/Hr.)	Total
D4	\$ 60.00		\$ 70.00	\$ 130.00
D6	\$ 85.00		\$ 70.00	\$ 155.00
D7	\$ 100.00		\$ 70.00	\$ 170.00
D8	\$ 125.00		\$ 70.00	\$ 195.00

Dump or Spread Time (Min)

	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
14G Cat Wheel Loader	3		
Cat Excavator	3		
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
Pile Dump and place rock	0.25		
Truck Spread	7		
Spreading w/Grader	5		
Place Rip Rap	10		

Kaupper Top

(Sale Name)

Total Yards End Hauled:

cy

On site		End Push		Spread and Compact	
Waste	(Type)	D10	(Truck)	Vibratory Roller	(Compactor)
	(Rock Size)		(Loader)		
	(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	Miles per round trip	1	Minutes
	0.1		
	0.10		
Total Miles per Round Trip			
Dump or Spread Time per Round Trip			
Total Hauling Cycle Time for this Setting (100% Efficiency)			
Operator Efficiency Correction (80% Efficiency)			

Time Per Cubic Yard

Pushing Only (per cubic yard)

Delay Time (while loading = loading time per cubic yard)

Total Time Per Cubic Yard

Cost Per Cubic Yard Computation

Cost of D8 cat Per Hour

Cost of Operator Pre Hour

Total Operating Cost Per Hour

Operating Cost Per Minute

Cost Per Cubic Yard

No loading

Spreading Cost Per Cubic Yard

Cost of D8 cat Per Hour

Cost of D8 cat Operator Per Hour

Cost of Compaction Equip. Per Hour

Cost of Compaction Equip. Op. Per Hour

Total Operating Cost Per Hour

Cost Per Cubic Yard to Place and Compact

Total Cost to push

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	\$ 55.00	\$ 50.00	\$ 105.00
14-G	\$ 60.00	\$ 50.00	\$ 110.00

Compaction Equipment	Rate (\$/Hr.)	Operator (\$/Hr.)	Total
Vibratory Roller	\$ 50.00	\$ 50.00	\$ 100.00
Vib. Grid Roller	\$ 50.00	\$ 50.00	\$ 100.00
Hand Held Compactor	\$ 20.00	\$ 50.00	\$ 70.00

Tractors	Rate (\$/Hr.)	Operator (\$/Hr.)	Total
D4	\$ 35.00	\$ 50.00	\$ 85.00
D6	\$ 60.00	\$ 50.00	\$ 110.00
D7	\$ 70.00	\$ 50.00	\$ 120.00
D8	\$ 110.00	\$ 50.00	\$ 160.00

Loader	Rate (\$/Hr.)	Capacity (cy)	Operator (\$/Hr.)	Total
14G Cat Wheel Loader	\$ 60.00	3	\$ 50.00	\$ 110.00
Cat 336F Excavator	\$ 130.00	3	\$ 50.00	\$ 180.00

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		

0.63 min/cu.yd

0.00 min/cu.yd

0.63 min/cu.yd

\$ 110.00 per Hr.

\$ 50.00 per Hr.

\$ 160.00 per Hr.

\$ 2.67 per Min.

\$ 1.67 per Cu. Yd.

\$ 1.67 per Cu. Yd.

\$ 110.00 per Hr.

\$ 50.00 per Hr.

\$ 50.00 per Hr.

\$ 50.00 per Hr.

\$ 260.00 per Hr.

\$ 2.17 Cu. Yd.

\$ 3.83 Cu. Yd.

CRUISE REPORT
Kaupper Top
Contract No. NC-341-2025-W01146-01

Locations:

Portions of Sections 5 & 6 of T10S R4E, W.M. and Section 32 of T9S, R4E, W.M.
Linn County, OR.

Cruise Design:

The cruise design for the timber sale is as follows:

The Timber Sale was cruised using Super Ace program software. Using a variable plot cruise with a Basal Area Factor of 33.61, and a 1:1 count/measure system for the plot layout. The results of the cruise are below, and more detailed information in the Superace reports.

Sampling Methods:

33 plots were measured using a Variable Plot cruise method with a 33.61 BAF. Trees in measure plots were measured for DBH, form factor at 16' and total height. Trees were then segmented, favoring 40' log lengths plus trim, and graded to a merchantable diameter of 5 inches or 25% of DBH, whichever was greater. Deductions were made per the log and in increments of 1 foot for length or 1 inch for diameter.

Cruise Report:

Timber Sale Area:

Stand Characteristic	Cruise Data
TPA	35
Basal Area/Acre	149 ft ²
Volume/Acre	37.1 MBF
Average DBH	28"

Tree Measurement and Grading:

For information on species and grade breakdown for the Timber Sale Area see attached SuperAce output information.

Data Processing:

- a) **Volumes and Statistics:** Volumes and Statistics were calculated using SuperAce.
- b) **Volume deductions:** Advertised volume accounts for additional reductions of 6% for damage and breakage and 3% for scattered wildlife trees.
- c) **Acreage:** Timber Sale Area has a total of 74 net acres.

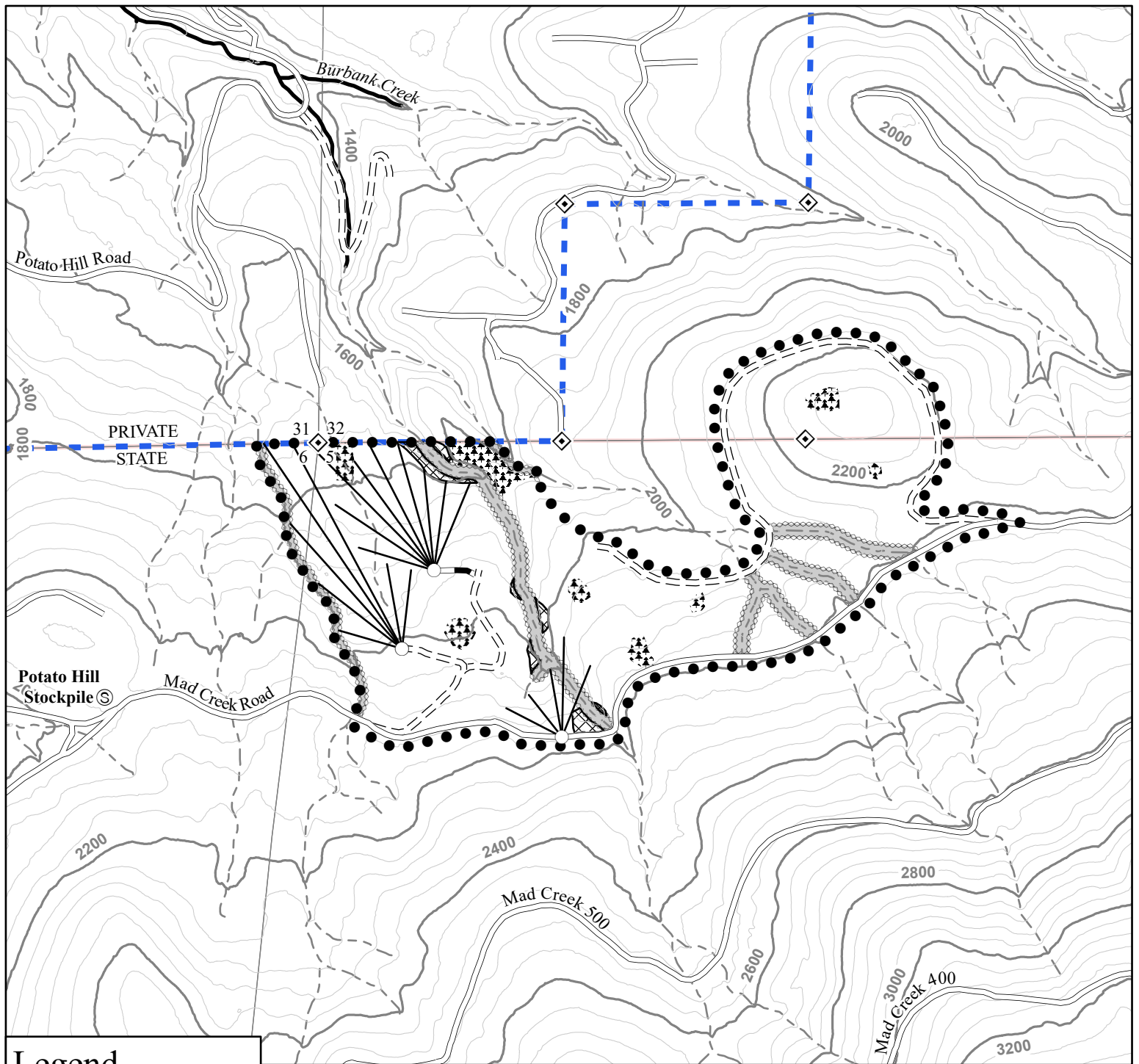
TC PSTATS				PROJECT STATISTICS					PAGE	1		
				PROJECT	KAUPTOP			DATE	3/26/2025			
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt		
10S	04E	05	UNIT1	C		74.00	33	155	S	W		
				TREES		ESTIMATED	PERCENT					
				PLOTS	TREES	PER PLOT	TREES	SAMPLE	TREES			
TOTAL			33	155		4.7						
CRUISE			17	72		4.2		2,918		2.5		
DBH COUNT												
REFOREST												
COUNT			16	83		5.2						
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			65	34.2	28.0	141	27.7	146.7	40,867	37,006	7,796	7,095
SNAG			5	4.4	19.6	64	2.1	9.2				
WHEMLOCK			1	.5	20.0	79	0.2	1.0				
WR CEDAR			1	.4	21.0	80	0.2	1.0	97	97	34	34
TOTAL			72	39.4	27.1	131	30.3	157.9	40,964	37,103	7,831	7,129
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			63.8	7.9	1,336	1,450	1,565					
SNAG												
WHEMLOCK												
WR CEDAR												
TOTAL			74.3	8.7	1,198	1,312	1,427		220	55	24	
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			54.5	6.8	249	267	285					
SNAG												
WHEMLOCK												
WR CEDAR												
TOTAL			65.3	7.7	224	242	261		170	43	19	
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			52.8	9.2	31	34	37					
SNAG			235.9	41.0	3	4	6					
WHEMLOCK			574.5	99.9	0	0	1					
WR CEDAR			574.5	99.9	0	0	1					
TOTAL			43.9	7.6	36	39	42		77	19	9	
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			44.7	7.8	135	147	158					
SNAG			247.2	43.0	5	9	13					
WHEMLOCK			574.5	99.9	0	1	2					
WR CEDAR			574.5	99.9	0	1	2					
TOTAL			38.9	6.8	147	158	169		61	15	7	
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			47.7	8.3	33,938	37,006	40,073					
SNAG												
WHEMLOCK												
WR CEDAR			574.5	99.9	0	97	195					

TC PSTATS			PROJECT STATISTICS					PAGE	2				
			PROJECT		KAUPTOP			DATE	3/26/2025				
TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt			
10S	04E	05	UNIT1	C		74.00	33	155	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			48.0	8.3	34,006	37,103	40,200	92	23	10			
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			45.6	7.9	6,532	7,095	7,658						
SNAG													
WHEMLOCK													
WR CEDAR			574.5	99.9	0	34	68						
TOTAL			46.1	8.0	6,557	7,129	7,701	85	21	9			

TC PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																		
T10S R04E S05 TyC74.00						Project: KAUPTOP										Page 1				
						Acres 74.00										Date 3/26/2025				
																Time 10:48:07AM				
S So Gr Spp T rt ad		% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent of Net Board Foot Volume								Average Log				Logs	
		Def%	Gross	Net	Log Scale Dia.				Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	Per /Acre			
					4-5		6-11	12-16	17+	12-20	21-30	31-35						36-99		
DF	DO 2M	91	9.5	37,490	33,933	2,511	22 78				0 100				40	18	532	2.43	63.8	
DF	DO 3M	7	9.0	2,767	2,518	186	100				2 5 16 77				36	9	96	0.75	26.3	
DF	DO 4M	2	9.0	609	555	41	30	70			67	33			19	6	23	0.40	23.9	
DF Totals		100	9.4	40,867	37,006	2,738	0	8	20	72	1	1	1	97	35	13	325	1.79	114.0	
RC	DO 2M	86	85 85			6	100				100				40	12	200	1.71	.4	
RC	DO 4M	14	13 13			1	100					100				26	5	30	0.46	.4
RC Totals		0	97 97			7	13	87			13 87				33	9	115	1.22	.8	
Totals			9.4	40,964	37,103	2,746	0	8	20	72	1	1	1	97	35	13	323	1.79	114.8	

TC		PSTNDSUM										Stand Table Summary										Page		1	
																						Date:		3/26/2025	
T10S R04E S05 TyC74.00		ProjectKAUPTOP										Time:		10:48:08AM											
		Acres74.00										Grown Year:													
S SpC	T	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	Sample Trees	FF 16'	Av Ht				Net Cu.Ft.	Net Bd.Ft.	Tons	Cunits				MBF									
DF		17	1	87	111	1.431	2.26	4.29	18.0	78.9	2.41	77	339	179	57	25									
DF		18	2	85	115	2.554	4.51	6.38	26.5	94.6	5.29	169	604	392	125	45									
DF		20	2	87	118	2.068	4.51	6.21	28.4	118.3	5.51	176	734	408	130	54									
DF		22	1	84	125	.855	2.26	2.56	36.5	160.8	2.93	94	412	217	69	31									
DF		23	3	88	128	2.326	6.77	6.98	40.7	180.7	8.90	284	1,261	659	210	93									
DF		24	6	87	126	4.309	13.54	12.21	43.3	191.6	16.55	528	2,340	1,225	391	173									
DF		25	3	89	134	1.986	6.77	5.96	50.0	234.6	9.32	298	1,397	690	220	103									
DF		26	3	86	153	1.836	6.77	6.73	48.2	234.1	10.16	324	1,576	752	240	117									
DF		27	1	88	129	.551	2.26	1.65	58.3	266.9	3.02	96	441	223	71	33									
DF		28	7	88	149	3.694	15.79	12.66	60.9	315.8	24.15	771	4,000	1,787	571	296									
DF		29	2	89	142	.984	4.51	3.44	61.3	310.7	6.61	211	1,070	489	156	79									
DF		30	4	89	159	1.839	9.03	6.89	67.3	368.2	14.54	464	2,539	1,076	344	188									
DF		31	3	89	161	1.281	6.77	4.70	75.0	402.9	11.05	353	1,895	818	261	140									
DF		32	2	86	147	.808	4.51	2.83	73.6	358.8	6.51	208	1,015	482	154	75									
DF		33	4	89	164	1.520	9.03	6.08	78.5	436.8	14.94	477	2,655	1,105	353	196									
DF		34	3	91	165	1.074	6.77	4.29	86.3	505.8	11.61	371	2,172	859	274	161									
DF		35	3	87	158	1.013	6.77	3.71	93.1	506.3	10.83	346	1,881	802	256	139									
DF		36	4	88	167	1.273	9.03	5.09	96.7	553.6	15.42	492	2,820	1,141	364	209									
DF		37	4	86	166	1.202	9.03	4.81	98.3	542.6	14.80	473	2,609	1,095	350	193									
DF		39	1	92	177	.272	2.26	1.09	123.1	759.9	4.19	134	827	310	99	61									
DF		40	1	89	170	.259	2.26	1.03	121.8	709.8	3.94	126	734	292	93	54									
DF		42	1	93	178	.235	2.26	.94	147.1	910.0	4.32	138	854	320	102	63									
DF		43	1	86	155	.224	2.26	.89	125.2	691.6	3.51	112	619	260	83	46									
DF		45	1	94	163	.204	2.26	.82	154.7	951.0	3.96	126	777	293	94	58									
DF		46	1	89	164	.196	2.26	.78	152.8	887.3	3.74	120	694	277	88	51									
DF		47	1	88	172	.187	2.26	.94	135.2	791.7	3.96	127	741	293	94	55									
DF		Totals	65	88	141	34.179	146.66	113.99	62.2	324.6	222.20	7,095	37,006	16,443	5,250	2,738									
RC		21	1	81	80	.423	1.02	.85	40.2	115.0	.80	34	97	59	25	7									
RC		Totals	1	81	80	.423	1.02	.85	40.2	115.0	.80	34	97	59	25	7									
SN		18	2	88	94	2.075	3.67																		
SN		21	3	72	38	2.287	5.50																		
SN		Totals	5	80	64	4.361	9.17																		
WH		20	1	87	79	.467	1.02																		
WH		Totals	1	87	79	.467	1.02																		
Totals		72	87	131		39.430	157.87	114.84	62.1	323.1	223.00	7,129	37,103	16,502	5,275	2,746									

TC		PLOGSTVB		Log Stock Table - MBF																
T10S R04E S05 TyC74.00				Project: Acres		KAUPTOP 74.00										Page		1		
																Date		3/26/2025		
																Time		10:48:07AM		
S T	Spp	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	DO	2M	32	4	9.0	3	.1					3							
	DF	DO	2M	36	9	9.0	8	.3					4	4						
	DF	DO	2M	40	2,761	9.5	2,499	91.3					193	182	583	721	620	200		
	DF	DO	3M	16	2	9.0	2	.1					2							
	DF	DO	3M	20	3	9.0	2	.1				1	1							
	DF	DO	3M	24	1	9.0	1	.0					1							
	DF	DO	3M	26	3	9.0	3	.1				1	2							
	DF	DO	3M	28	4	9.0	4	.1			2	2								
	DF	DO	3M	30	1	9.0	1	.0				1								
	DF	DO	3M	32	25	9.0	22	.8			10		12							
	DF	DO	3M	34	9	9.0	8	.3			4	4								
	DF	DO	3M	36	4	9.0	4	.1			2	2								
	DF	DO	3M	38	2	9.0	2	.1			2									
	DF	DO	3M	40	150	9.0	137	5.0			11	44	82							
	DF	DO	4M	12	6	9.0	5	.2		0	1	3	1							
	DF	DO	4M	14	3	9.0	3	.1			2	1								
	DF	DO	4M	16	10	9.0	9	.3		5	2	2								
	DF	DO	4M	18	4	9.0	4	.1		1	1	2								
	DF	DO	4M	20	7	9.0	7	.2		2	2	3								
	DF	DO	4M	24	3	9.0	2	.1		1		1								
	DF	DO	4M	26	3	9.0	3	.1			3									
	DF	DO	4M	28	1	9.0	1	.0			1									
	DF	DO	4M	30	8	9.0	7	.2		3	4									
	DF	Totals			3,024	9.4	2,738	99.7		13	47	68	101	201	186	583	721	620	200	
	RC	DO	2M	40	6		6	87.0					6							
	RC	DO	4M	26	1		1	13.0		1										
	RC	Totals			7		7	.3		1			6							
	Total	All Species			3,031	9.4	2,746	100.0		13	47	68	101	207	186	583	721	620	200	



Legend

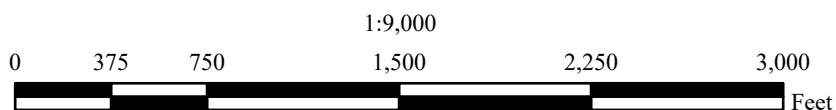
- Timber Sale Boundary
- ▨ Stream Buffer
- ▤ Slope Buffer
- ▩ Green Tree Retention
- Santiam State Forest
- Surfaced Road
- - - Unsurfaced Road
- ▬ New Construction
- Fish
- - - Non-Fish
- Cable Corridor
- Ⓢ Stockpile
- Landing
- ◆ Land Survey Monument

LOGGING PLAN

OF TIMBER SALE CONTRACT NO. NC-341-2025-W01146-01
KAUPPER TOP
PORTIONS OF SECTION 32, T9S, R4E &
SECTIONS 5 & 6, T10S, R4E, W.M.
LINN COUNTY, OREGON

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

	TRACTOR CABLE	
UNIT	ACRES	ACRES
1 (CC)	53	21
2 (R/W)	<1	0
TOTAL	53	21



04/30/2025