



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Get to the Choppah
Sale KL-341-2026-W01030-01

District: Klamath/Lake

Date: May 27, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$56,855.25	\$0.00	\$56,855.25
		Project Work:	(\$14,798.00)
		Advertised Value:	\$42,057.25



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Timber Description

Location:

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
White Fir	15	0	98
Sugar Pine	19	0	98
Ponderosa Pine	19	0	98

Volume by Grade	2S	3S & 4S 6"-11"	6" - 11"	12"-15"	16"+	Total
White Fir	115	198	0	0	0	313
Sugar Pine	0	0	133	137	21	291
Ponderosa Pine	0	0	269	107	166	542
Total	115	198	402	244	187	1,146

Comments: Pond Values Used: Local Pond Values, May 2025
Pulp Price: \$0.25 per ton

Log Markets: Klamath Falls and Medford.

Other Costs (no Profit & Risk): None

Other Costs (with Profit & Risk to be added): None

ROAD MAINTENANCE

Move-in: \$400.00

General Road Maintenance: 3 miles x \$270 per mile x 1 bladings = \$810.00

Total Road Maintenance: \$1,210.00, \$2.86 per Mbf



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Logging Conditions

Combination#: 1

White Fir	95.00%
Sugar Pine	73.00%
Ponderosa Pine	76.00%

Logging System: Wheel Skidder **Process:** Feller Buncher
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF
loads / day: 13 **bd. ft / load:** 4100
cost / mbf: \$187.62
machines: Log Loader (B)
Stroke Delimber (B)
Feller Buncher w/ Delimber
Tire Skidder

Combination#: 2

White Fir	5.00%
Sugar Pine	27.00%
Ponderosa Pine	24.00%

Logging System: Track Skidder **Process:** Manual Falling/Delimbing
yarding distance: Medium (800 ft) **downhill yarding:** No
tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF
loads / day: 12 **bd. ft / load:** 4200
cost / mbf: \$198.42
machines: Log Loader (B)
Track Skidder



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Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$14,798.00	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$1.06

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

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
White Fir	\$0.00	4.0	4.0
Sugar Pine	\$0.00	4.0	4.2
Ponderosa Pine	\$0.00	4.0	4.2



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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
White Fir									
\$188.16	\$1.08	\$3.83	\$79.68	\$0.00	\$27.28	\$0.00	\$2.00	\$0.00	\$302.03
Sugar Pine									
\$190.54	\$1.08	\$3.83	\$75.89	\$0.00	\$27.13	\$0.00	\$2.00	\$0.00	\$300.47
Ponderosa Pine									
\$190.21	\$1.08	\$3.83	\$75.89	\$0.00	\$27.10	\$0.00	\$2.00	\$0.00	\$300.11

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$431.04	\$129.01	\$0.00
Sugar Pine	\$0.00	\$317.73	\$17.26	\$0.00
Ponderosa Pine	\$0.00	\$321.24	\$21.13	\$0.00



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Summary

Amortized

Specie	MBF	Value	Total
White Fir	0	\$0.00	\$0.00
Sugar Pine	0	\$0.00	\$0.00
Ponderosa Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
White Fir	313	\$129.01	\$40,380.13
Sugar Pine	291	\$17.26	\$5,022.66
Ponderosa Pine	542	\$21.13	\$11,452.46

Gross Timber Sale Value

Recovery: \$56,855.25

Prepared By: Chris Weekly

Phone: 541-883-5681

Get to the Choppah
KL-341-2026-W01030-01

Project Costs

Road Maintenance

Move-in cost (grader):	\$400.00	Timber Sale Volume:	1,146 Mb
Number of Miles to be Bladed:	3		
Number of Bladings:	1		
Total Miles:	3		
Miles/Hour for Equipment:	0.5		
Cost/Hour (grader with operator):	\$135.00		
Total Grading Hours:	6		
Grading Cost:	\$810.00		
Total Cost:	\$1,210.00		
Cost/Mb:	\$1.06		

Get to the Choppah
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Project Costs

Project # 1 Road Improvement

Move in Cost Cat: \$500

	Points	Distance(ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to B	5,642	1000	5.64	\$150.00	\$846.30
Open/Clear/Shape	C to D	8,478	1000	8.48	\$150.00	\$1,271.70
	Total	14,120		14.12		\$2,118.00

Move In Costs	\$500.00
Maintenance Cost	\$2,118.00
Project # 1 Total	\$2,618.00
per Mbf	\$2.28

Project #1 Summary

Road Maintenance	\$2,618.00
Total	\$2,618.00
per Mbf	\$2.28

Project #2 Fell, Skid, Deck Submerchantable Material

Total Sub-Sawlog Volume: 24 Mbf

Fell and Skid/MBF:	\$80.00
Sort/MBF:	\$40.00
Total	\$2,880.00
per MBF	\$2.51

Get to the Choppah
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Project Costs

Landing Slash Piling

Number of Landings: 15

Shovel Time:	1 Hour per Landing	Cost per Hour: \$150.00	Total Cost	\$2,250.00
Cat Time:	1 Hour per Landing	Cost per Hour: \$150.00	Total Cost	\$2,250.00

Total	\$4,500.00
per Mbf	\$3.93

Project #2 Summary

Fell, Skid, Deck Submerch.	\$2,880.00
Slash Piling	\$4,500.00
Total	\$7,380.00
per Mbf	\$6.44

Project #3 Road Closures and Waterbarring

Road Closures

2	Number of Closure Points	A and C
\$150.00	Cost per Hour (Cat)	
\$300.00	Total	
\$0.26	per Mbf	

Skid Trail Waterbarring

15	Number of Landings
2	Hours per Landing
\$150.00	Cost per Hour (Cat)
\$4,500.00	Total
\$3.93	per Mbf

Project #3 Summary

Road Closures:	\$300.00
Waterbarring:	\$4,500.00
Total:	\$4,800.00
per Mbf:	\$4.19

Get to the Choppah
KL-341-2026-W01030-01

Project Costs

Cost Summary All Projects

Project No.1 - Road Improvement	\$2,618.00
Project No.2 - Fell, Skid, Deck Submerchantable Material	\$7,380.00
Project No.3 - Road Closure and Waterbarring	\$4,800.00
Total Cost	<u>\$14,798.00</u>
per Mbf	\$12.91

Get to the Choppah

KL-341-2026-W01030-01

Cruise Report



"STEWARDSHIP IN FORESTRY"

SALE NAME: Get to the Choppah

LEGAL DESCRIPTION:

Located in Section(s) 27, 28, 34 of T32S, R7½E, Willamette Meridian, Klamath County, Oregon

BOUNDARY LINES:

Unit boundaries are unmarked.

ACREAGE:

Gross Sale Acreage: 226 Acres

Exclusion Acreage: 5 Acres

Net Sale Acreage: 221 Acres

Mapping was accomplished using Avenza pdf Maps with the data processed through ArcGIS.

TREATMENT:

The Timber Sale is a single tree selection partial cut harvest. Leave trees are marked with a yellow band at breast height.

CRUISE METHOD:

Variable plot cruise with a ratio of one count plot for every measure plot.

BASAL AREA FACTOR:

A basal area factor of 10 was used for all variable cruise plots.

PLOT DESIGNATION:

Plot centers were established at every plot with blue flag wire stakes with the corresponding plot number. Blue flagging was attached to the nearest available tree branch.

SAMPLE SIZE CALCULATIONS:

AREA	CV%	DESIRED SE%	ACRES
Area 1	56%	12%	221

$$\text{Number of Plots} = \frac{T^2 C^2}{A^2}$$

C = Coefficient of Variation in Percent (Taken from inventory data)

T = Number of Standard Errors

A = Desired Sampling Error for a sale of this size and value

$$N = \frac{(1)^2(56)^2}{(12)^2} = 22 \text{ plots}$$

Measurements and Grading:

- Ratio of two count plot for every measure plot.
- DBH and Height were measured on all “in” trees for measure plots.
- Pulp volume and sawlog volume cruised.
- All trees were graded using the segment system.
- Nested fixed plot cruise for all submerchantable material (5” to 9” DBH).

TREE HEIGHT:

All trees were measured to a fixed diameter outside bark. This height is usually taken as high up the bole as possible, where the cruiser can clearly see the bole, and the taper remains constant (usually 6 or 8 inches). The log segments are broken out and graded accordingly.

MINIMUM D.B.H:

9.0” DBH.

DIAMETER STANDARDS:

1” diameter class

BTR:

Standard ratios were used. See attached species tables.

FORM FACTOR:

Form factor was measured or estimated at 16' for each tree. Each tree was assigned its own FF.

FORM POINT:

All trees were sighted at DBH.

VOLUME COMPUTATION:

All cruise data was input and run at the district on Atterbury's Super Ace program.

FINAL CRUISE RESULTS:

CV%	SE%	ACRES
46.8	7.1	138

TIMBER DESCRIPTION**SAWLOG VOLUME:**

This volume was obtained from the variable plot cruise. All material graded camprun. See grade table for minimum standards.

TOTAL SAWLOG VOLUME

Species	Ave. DBH	Acres	Gross Vol/Acre (bf)	Net Vol/Acre (bf)	Net Sale Vol (Mbf)
Ponderosa pine	19.1	221	2,490	2,451	542
Sugar pine	18.5	221	1,335	1,316	291
White fir	14.5	221	1417	1417	313
		Total	5,242	5,184	1,146

TOTAL NET SAWLOG VOLUME: 1,146 MBF

GREEN PULP VOLUME:

This volume was obtained from the variable plot cruise and a nested fixed plot cruise. All material was graded green pulp, see grade table for minimum standards.

FIXED PLOT CRUISE

Species	Ave. DBH	Acres	Net Vol/Acre (bf)	Net Sale Vol (Mbf)
Sugar pine	9.1	221	32	7
Incense cedar	6.8	221	50	11
White fir	6.7	221	25	6
		Total	107	24

TOTAL GREEN PULP VOLUME: 24 Mbf

TC TLOGSTVB				Log Stock Table - MBF																
				Project: CHOP																
T03W R007 S27 TVARI												T03W R007 S27 TVARI								
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees				Page	1								
03W	007	27	139	VARI	221.00	22	59				Date	5/28/2025								
												Time	2:23:41PM							
Spp	S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches											
									MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19
PP	CR	CR	17		16		16	3.0			7	3	6							
PP	CR	CR	27		47		47	8.6			10	36								
PP	CR	CR	34		488	1.8	479	88.4			17	78	112	26	81	129		37		
pp	Totals				550	1.6	542	47.0			34	117	117	26	81	129		37		
SP	CR	CR	17		26		26	8.9			6	9	11							
SP	CR	CR	27		13	4.3	12	4.1			3	9								
SP	CR	CR	32		13	5.3	12	4.1					12							
SP	CR	CR	34		243	1.3	240	80.5				23	72	51	73	21				
SP	CR	GP	15		7		7	2.4			7									
SP	Totals				302	1.4	298	25.8			17	41	83	63	73	21				
WF	CR	CR	17		37		37	11.7		1	24	12								
WF	CR	CR	27		12		12	3.7			12									
WF	CR	CR	34		265		265	84.5		4	20	69	58	63	14	19	19			
WF	Totals				313		313	27.2		5	56	80	58	63	14	19	19			
Total All Species					1,166	1.1	1,153	100.0		5	107	239	258	152	168	168	19	37		

T	Species, Sort Grade - Board Foot Volumes (Type)														Page 1							
Project: CHOP																Date	5/28/2025					
																Time	2:23:42PM					
T03W R007 S27 TVARI																T03W R007 S27 TVARI						
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt													
03W	007	27	139	VARI	221.00	22	59	1	E													
S So Gr Spp T rt ad			%	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log		Logs Per /Acre				
			Net BdFt					Log Scale Dia.				Log Length				Ln Dia	Bd		CF/ Lf			
										4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft		
PP	CR	CR	100	1.6	2,490	2,451	542			50	30	20		3	9	88		30	10	155	1.15	15.8
PP	Totals		47	1.6	2,490	2,451	542			50	30	20		3	9	88		30	10	155	1.15	15.8
SP	CR	CR	97	1.4	1,335	1,316	291			46	47	7		9	4	87		28	10	139	1.19	9.5
SP	CR	GP	3		32	32	7			100				100				15	7	20	0.33	1.6
SP	Totals		26	1.4	1,367	1,348	298			47	46	7		11	4	85		26	10	122	1.12	11.1
WF	CR	CR	100		1,417	1,417	313			1	62	24	12	12	4	85		27	8	99	0.83	14.3
WF	Totals		27		1,417	1,417	313			1	62	24	12	12	4	85		27	8	99	0.83	14.3
Type Totals				1.1	5,275	5,216	1,153			0	52	33	15	7	6	86		28	9	127	1.04	41.1

TC TSTATS				STATISTICS				PAGE	1			
				PROJECT	CHOP	DATE				5/28/2025		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
03W	007	27	139	VARI	221.00	22	113	1	E			
				TREES	ESTIMATED	PERCENT						
				PER PLOT	TOTAL	SAMPLE						
					TREES	TREES						
TOTAL			22	113	5.1							
CRUISE			10	59	5.9	6,844		.9				
DBH COUNT												
REFOREST												
COUNT			12	54	4.5							
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	
P PINE			20	11.9	19.1	46	5.4	23.6	2,490	2,451	550	550
SUG PINE			17	8.0	18.5	41	3.5	15.0	1,367	1,348	320	320
WHITE F			22	11.0	14.5	42	3.3	12.7	1,417	1,417	319	319
TOTAL			59	31.0	17.4	43	12.3	51.4	5,275	5,216	1,189	1,189
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		
P PINE			113.5	26.0	255	345	434					
SUG PINE			62.2	15.5	201	238	275					
WHITE F			94.7	20.6	159	200	242					
TOTAL			104.0	13.5	225	260	295	432	108	48		
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
P PINE			90.2	20.7	57	72	87					
SUG PINE			56.3	14.1	48	56	64					
WHITE F			82.9	18.1	36	43	51					
TOTAL			84.0	10.9	50	57	63	282	70	31		
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
P PINE			86.5	18.9	10	12	14					
SUG PINE			94.9	20.7	6	8	10					
WHITE F			150.0	32.7	7	11	15					
TOTAL			57.9	12.6	27	31	35	140	35	16		
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
P PINE			81.1	17.7	19	24	28					
SUG PINE			81.6	17.8	12	15	18					
WHITE F			128.7	28.1	9	13	16					
TOTAL			43.4	9.5	46	51	56	79	20	9		
CL:	68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.			
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
P PINE			81.9	17.8	2,013	2,451	2,888					
SUG PINE			87.9	19.2	1,090	1,348	1,606					
WHITE F			138.2	30.1	990	1,417	1,845					
TOTAL			46.2	10.1	4,691	5,216	5,742	89	22	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		
P PINE			81.3	17.7	452	550	647					
SUG PINE			85.0	18.5	261	320	380					
WHITE F			138.8	30.3	222	319	415					

TC TSTATS				STATISTICS				PAGE	2
				PROJECT	CHOP			DATE	5/28/2025
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
03W	007	27	139	VARI	221.00	22	113	1	E
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
TOTAL		46.5	10.1	1,068	1,189	1,309	90	23	10

