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

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

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
03W	007	27	139	VARI	221.00	22	59

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Time 2:23:41PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	% Def	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
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 TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: CHOP

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Date 5/28/2025
Time 2:23:42PM

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

T03W R007 S27 TVARI

Spp	ST	Sort	Grad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
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

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

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE 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	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET 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			

STATISTICS

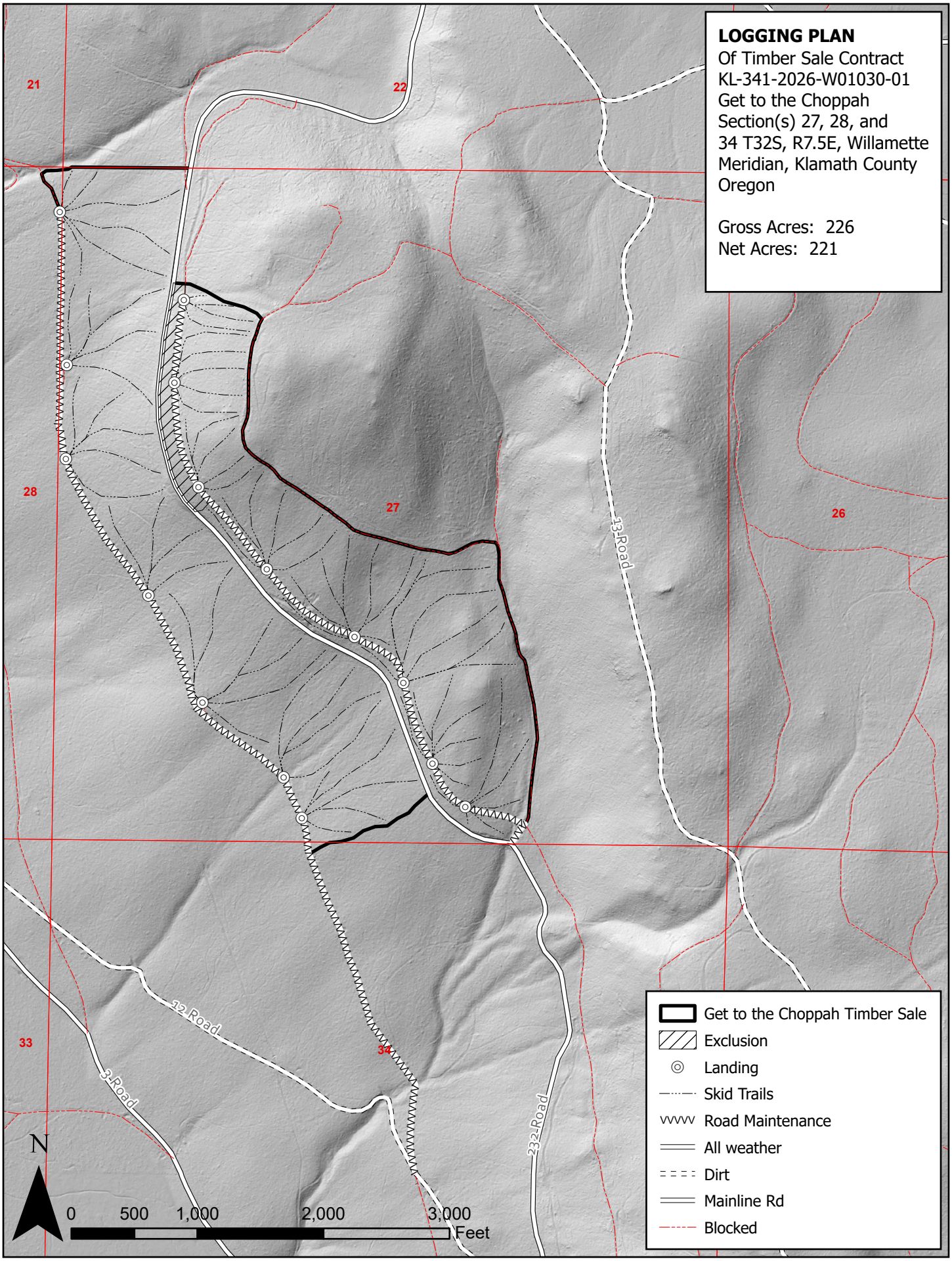
PROJECT **CHOP**

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
03W	**007**	**27**	**139**	**VARI**	221.00	22	113	1	E

CL: 68.1 %
SD: 1.0

NET CUFT FT/ACRE

	COEFF VAR.	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
TOTAL	*46.5*	*10.1*	*1,068*	*1,189*	*1,309*	*90*	*23*	*10*


LOGGING PLAN
Of Timber Sale Contract
KL-341-2026-W01030-01
Get to the Choppah
Section(s) 27, 28, and
34 T32S, R7.5E, Willamette
Meridian, Klamath County
Oregon
Gross Acres: 226
Net Acres: 221
21
22
28
27
26
33
34
13-Road
12-Road
3-Road
232-Road
N
0
500
1,000
2,000
3,000
Feet
Get to the Choppah Timber Sale
Exclusion
Landing
Skid Trails
Road Maintenance
All weather
Dirt
Mainline Rd
Blocked