



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Hoagie

Sale KL-341-2019-21-

District: Klamath/Lake

Date: April 16, 2018

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$947,710.55	\$0.00	\$947,710.55
		Project Work:	(\$15,340.40)
		Advertised Value:	\$932,370.15



Timber Sale Appraisal Hoagie Sale KL-341-2019-21-

District: Klamath/Lake

Date: April 16, 2018

Timber Description

Location: Portions of Sections 5, 6, and 7, T33S, R7E, Willamette Meridian, Klamath County, Oregon

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	96
White Fir	16	0	98
Sugar Pine	21	0	96
Ponderosa Pine	20	0	98
Lodgepole Pine	10	0	95

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	6" - 11"	12"-15"	16"+	Camprun	Total
Douglas - Fir	20	14	11	0	0	0	0	45
White Fir	768	854	0	0	0	0	0	1,622
Sugar Pine	0	0	0	179	99	149	0	427
Ponderosa Pine	0	0	0	391	576	453	0	1,420
Lodgepole Pine	0	0	0	0	0	0	21	21
Total	788	868	11	570	675	602	21	3,535

Comments: Pond Values Used: Local Values, February 2018

Log Markets: Klamath Falls and Medford.

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

Dust Abatement: \$8,924.45

TOTAL Other Costs (with Profit & Risk to be added) = \$8,924.45

Other Costs (No Profit & Risk added):

None.



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal Hoagie

Sale KL-341-2019-21-

District: Klamath/Lake

Date: April 16, 2018

Logging Conditions

Combination#: 1

Douglas - Fir	87.00%
White Fir	55.00%
Sugar Pine	16.00%
Ponderosa Pine	22.00%
Lodgepole Pine	100.00%

Logging System: Wheel Skidder **Process:** Feller Buncher

yarding distance: Medium (800 ft) **downhill yarding:** Yes

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 9 **bd. ft / load:** 4200

cost / mbf: \$100.44

machines: Log Loader (B)
Stroke Delimber (B)
Feller Buncher w/ Delimber
Tire Skidder

Combination#: 2

Douglas - Fir	13.00%
White Fir	45.00%
Sugar Pine	84.00%
Ponderosa Pine	78.00%

Logging System: Track Skidder **Process:** Manual Falling/Delimbing

yarding distance: Medium (800 ft) **downhill yarding:** Yes

tree size: Mature Private Forest / Regen Cut (250 Bft/tree), 6-11 logs/MBF

loads / day: 9 **bd. ft / load:** 4400

cost / mbf: \$111.38

machines: Log Loader (B)
Track Skidder



Timber Sale Appraisal
Hoagie
Sale KL-341-2019-21-

District: Klamath/Lake

Date: April 16, 2018

Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$15,340.40	Other Costs (P/R): \$8,924.45
Slash Disposal: \$0.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$0.43

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	4.3
White Fir	\$0.00	3.0	4.5
Sugar Pine	\$0.00	3.0	4.2
Ponderosa Pine	\$0.00	3.0	4.5
Lodgepole Pine	\$0.00	3.0	4.2



Timber Sale Appraisal
Hoagie
Sale KL-341-2019-21-

District: Klamath/Lake

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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling / Brand & Paint	Other	Total
Douglas - Fir									
\$101.86	\$0.45	\$1.24	\$62.89	\$2.52	\$16.90	\$0.00	\$2.00	\$0.00	\$187.86
White Fir									
\$105.36	\$0.44	\$1.24	\$58.94	\$2.52	\$16.85	\$0.00	\$2.00	\$0.00	\$187.35
Sugar Pine									
\$109.63	\$0.45	\$1.24	\$64.38	\$2.52	\$17.82	\$0.00	\$2.00	\$0.00	\$198.04
Ponderosa Pine									
\$108.97	\$0.44	\$1.24	\$58.94	\$2.52	\$17.21	\$0.00	\$2.00	\$0.00	\$191.32
Lodgepole Pine									
\$100.44	\$0.45	\$1.24	\$65.00	\$2.52	\$16.96	\$0.00	\$2.00	\$0.00	\$188.61

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$580.82	\$392.96	\$0.00
White Fir	\$0.00	\$523.79	\$336.44	\$0.00
Sugar Pine	\$0.00	\$395.08	\$197.04	\$0.00
Ponderosa Pine	\$0.00	\$397.64	\$206.32	\$0.00
Lodgepole Pine	\$0.00	\$532.00	\$343.39	\$0.00



Timber Sale Appraisal
Hoagie
Sale KL-341-2019-21-

District: Klamath/Lake

Date: April 16, 2018

Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	45	\$392.96	\$17,683.20
White Fir	1,622	\$336.44	\$545,705.68
Sugar Pine	427	\$197.04	\$84,136.08
Ponderosa Pine	1,420	\$206.32	\$292,974.40
Lodgepole Pine	21	\$343.39	\$7,211.19

Gross Timber Sale Value

Recovery: \$947,710.55

Prepared By: Chris Weekly

Phone: 541-883-5681

Hoagie

341-19-21

Other Costs

Road Maintenance

Move-in cost (grader):	\$500.00
Number of Miles to be Bladed:	4.8
Number of Bladings:	1
Total Miles	4.8
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	\$105.50
Total Grading Hours:	10
Grading Cost:	\$1,012.80
	\$1,512.80
Total Cost:	\$1,512.80
Cost / Mbf:	\$0.43

Dust Abatement (Profit & Risk to be added in Appraisal)

WF	1622 Mbf	45.9%	Average Load	4.5 Mbf	No. of Loads	360
PP	1420 Mbf	40.2%	Average Load	4.5 Mbf	No. of Loads	316
SP	427 Mbf	12.1%	Average Load	4.2 Mbf	No. of Loads	102
DF	45 Mbf	1.3%	Average Load	4.3 Mbf	No. of Loads	10
LP	21 Mbf	0.6%	Average Load	4.2 Mbf	No. of Loads	5
Total:	3535 Mbf				Total Loads	793

Assume: 4 Trucks/Day
 3 Trips/Day
12 Loads per Day
66 Hauling Days

66 Days of Dust Abatement
 1.5 Hours/Day
 \$88.00 Cost/Hour
 99 Total Hours
 \$200.00 Move in for Water Truck
 \$8,924.45 Dust Abatement Cost
\$8,924.45 Total Cost
 \$2.52 Cost/Mbf

Other Costs Summary (Profit and Risk to be added in Appraisal)

<u>\$8,924.45</u> Total cost for Dust Abatement	<u>\$2.52</u> per MBF
\$8,924.45 Total Other Costs	\$2.52 per Mbf

Hoagie
341-19-21
Project Costs

Project #1 Road Improvement

Move in Cost Dozer: \$500.00

Improvement

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to B	3329	750	4.4	\$132.50	\$588.12
Open/Clear/Shape	C to D	2271	750	3.0	\$132.50	\$401.21
Open/Clear/Shape	E to F	813	750	1.1	\$132.50	\$143.63
Open/Clear/Shape	G to H	2141	750	2.9	\$132.50	\$378.24
Open/Clear/Shape	I to J	2094	750	2.8	\$132.50	\$369.94
	Total	10648			Total	\$1,881.15

Project #1 Summary

Move in Cost	\$500.00
Improvement Cost	\$1,881.15
Project #1 Total	\$2,381.15
per Mbf	\$0.67

Hoagie
341-19-21
Project Costs

Project #2 Felling, Skidding, and Piling of Submerchantable Trees

Total Sub-Sawlog Volume: 13 MBF

Fell and Skid/MBF:	\$50.00
Sort/MBF:	\$10.00
Total	<u>\$780.00</u>
per MBF	\$0.22

Landing Slash Piling

Number of Landings: 14

Shovel Time:	1 Hour per Landing	Cost per Hour: \$125.00	Total Cost	\$1,750.00
Cat Time:	1 Hour per Landing	Cost per Hour: \$132.50	Total Cost	\$1,855.00
		Total	<u>\$3,605.00</u>	
		per MBF	\$1.02	

Project #2 Summary

Fell/Pile/Skid:	\$780.00
Landing Cleanup:	<u>\$3,605.00</u>
Total:	<u>\$4,385.00</u>
per Mbf:	\$1.24

Hoagie

341-19-21

Project Costs

Project #3 Road Closure and Waterbarring

Road Closures

2	Number of Closure Points - Point E and I
\$132.50	Cost per Hour (Cat)
\$265.00	Total
\$0.07	per Mbf

Skid Trail Waterbarring

9	Number of Landings
2.5	Hours per Landing
\$132.50	Cost per Hour (Cat)
\$2,981.25	Total
\$0.84	per Mbf

Project #3 Summary

Road Closure:	\$265.00
Waterbarring:	\$2,981.25
Total:	\$3,246.25
per Mbf:	\$0.92

Project #4 Spot Rocking

Spot Rocking - Delivered

3/4 -	Rock Size
180	Cubic Yards
1.5	Tons per Cubic Yard
270	Tons
\$14.00	cost per ton (delivered)
\$3,780.00	Total
\$1.07	per Mbf

Rock Spreading (Grader)

8	Total Grader Hours
\$105.50	Cost per Hour
\$844.00	Total
8	Total Water Truck Hours
\$88.00	Cost per Hour
\$704.00	Total
\$1,548.00	Total Rock Spreading
\$0.44	per Mbf

Project #4 Summary

Total cost Rock	\$3,780.00
Total cost Spreading	\$1,548.00
Total	\$5,328.00
per Mbf	\$1.51

Hoagie
341-19-21
Project Costs

Cost Summary All Projects

\$2,381.15	Project #1 Road Improvement
\$4,385.00	Project #2 Fell, Skid, and Pile Submerchantable Trees
\$3,246.25	Project #3 Road Closures and Waterbarring
\$5,328.00	Project #4 Spot Rocking
\$15,340.40	Total
\$4.34	per MBF

Summary of Project Work

Hoagie
341-19-21



Project No. 1: Road Improvement	\$2,381.15
Project No. 2: Fell, Skid, and Pile Submerch. Material	\$4,385.00
Project No. 3: Road closures and Waterbarring	\$3,246.25
Project No. 4: Spot Rocking	\$5,328.00
Total: \$15,340.40	

Hoagie

KL-341-19-21
Cruise Report



SALE NAME: Hoagie

LEGAL DESCRIPTION:

Township 33S, Range 7E, Portions of Sections 5, 6, and 7, W.M., Klamath County, OR.

BOUNDARY LINES:

Unit boundaries are posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

FUND:

100% B.O.F.

ACREAGE:

Gross Sale Acreage: 349 Acres

Net Sale Acreage: 348 Acres

Mapping was accomplished using a handheld Global Positioning System unit with the data run on the district Geographical Information System Program.

TREATMENT:

The Timber Sale is a single tree selection cut with all unmarked trees 9.0 inches DBH or larger to be cut. All orange marked trees are reserved from cutting. All trees less than 5.0 inches DBH are reserved from cutting in the sale area. All unmarked trees 5.0 to 9.0 inches DBH within the submerchantable treatment areas designated on Exhibit A shall be cut.

CRUISE METHOD:

Variable plot cruise with a ratio of a count plot for every measure plot. Fixed plot cruise for all sub-merchantable material (5.0" to 9.0") DBH within designated submerchantable treatment areas.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area 1	14 BAF	348

PLOT DESIGNATION:

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

SAMPLE SIZE:

34 plots were taken which resulted in a sampling error of 8.0%. Cruise plots and count plots were taken at a 1:1 ratio.

Measurements and Grading:

- Ratio of a count plot for every measure plot.
- DBH and Height were measured on all “in” trees for measure plots.
- Pulp volume and sawlog volume cruised.
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.
- Separate fixed plot cruise for all submerchantable material (5”to 10” 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 for sawlog volume. 5.0” DBH for submerchantable material.

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.

CRUISERS: James Monteil, Chris Weekly, and Ed Scheick.

FINAL CRUISE RESULTS:

AREA	CV%	SE%	ACRES
Area 1	46.6	8.0	348

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	GROSS VOL (MBF)	NET VOL (MBF)
White Fir	15.9	1627	1622
Ponderosa Pine	20.1	1429	1420
Sugar Pine	20.8	427	427
Douglas-Fir	13.7	45	45
Lodgepole Pine	10.2	21	21

TOTAL NET SAWLOG VOLUME: 3535 MBF

GREEN PULP VOLUME:

This volume was obtained from the fixed plot cruise (5.0" – 9.0" DBH), within the submerchantable treatment areas.

All material was graded green pulp, see grade table for minimum standards.

TOTAL GREEN PULP VOLUME: 13 MBF

SPECIES	AVE DBH	NET VOL MBF
ALL	6.5	13

TC TSTATS				STATISTICS				PAGE	1				
				PROJECT	HOAGIE			DATE	4/17/2018				
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt				
033	007	06	221	VARI	348.00	34	201	1	E				
				TREES	ESTIMATED	PERCENT							
				PER PLOT	TOTAL	SAMPLE							
					TREES	TREES							
TOTAL				34	201	5.9							
CRUISE				19	104	5.5	16,402	.6					
DBH COUNT													
REFOREST													
COUNT				15	84	5.6							
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	
WHITE F				39	24.9	15.9	49	8.6	34.4	4,676	4,660	987	987
PPINE				41	14.8	20.1	53	7.2	32.4	4,107	4,082	838	838
SUG PINE				19	4.9	20.8	55	2.5	11.6	1,227	1,227	267	267
DOUG-FIR				3	1.2	13.7	32	0.3	1.2	129	129	27	27
LP PINE				2	1.4	10.2	25	0.3	.8	60	60	15	15
TOTAL				104	47.1	17.7	50	19.1	80.5	10,199	10,157	2,134	2,134
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		
WHITE F		67.2	10.7	230	257	285							
PPINE		90.0	14.0	390	453	517							
SUG PINE		111.5	26.3	284	386	487							
DOUG-FIR		111.8	77.3	52	230	408							
LP PINE		101.0	94.6	4	70	136							
TOTAL		97.5	9.6	320	354	387			380	95	42		
CL:	68.1 %	COEFF		SAMPLE TREES - CF					# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH			5	10	15		
WHITE F		58.7	9.4	48	53	58							
PPINE		75.4	11.8	78	88	98							
SUG PINE		90.1	21.2	61	78	94							
DOUG-FIR		104.3	72.2	13	47	81							
LP PINE		102.1	95.6	1	18	35							
TOTAL		81.5	8.0	65	70	76			265	66	29		
CL:	68.1 %	COEFF		TREES/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH			5	10	15		
WHITE F		98.1	16.8	21	25	29							
PPINE		121.0	20.7	12	15	18							
SUG PINE		148.1	25.4	4	5	6							
DOUG-FIR		480.9	82.4	0	1	2							
LP PINE		583.1	99.9	0	1	3							
TOTAL		55.8	9.6	43	47	52			125	31	14		
CL:	68.1 %	COEFF		BASAL AREA/ACRE					# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR. %	S.E. %	LOW	AVG	HIGH			5	10	15		
WHITE F		92.5	15.8	29	34	40							
PPINE		101.3	17.4	27	32	38							
SUG PINE		129.5	22.2	9	12	14							
DOUG-FIR		429.3	73.6	0	1	2							
LP PINE		583.1	99.9	0	1	2							
TOTAL		46.3	7.9	74	80	87			85	21	9		

TC TSTATS				STATISTICS				PAGE	2	
				PROJECT		HOAGIE		DATE	4/17/2018	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
033	007	06	221	VARI	348.00	34	201	1	E	
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15	
CL:	68.1 %	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
WHITE F		92.1	15.8	3,925	4,660	5,395				
PPINE		98.1	16.8	3,396	4,082	4,767				
SUG PINE		132.4	22.7	949	1,227	1,506				
DOUG-FIR		458.3	78.5	28	129	230				
LP PINE		583.1	99.9	0	60	120				
TOTAL		46.6	8.0	9,346	10,157	10,969	87	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	
WHITE F		92.0	15.8	832	987	1,143				
PPINE		97.9	16.8	697	838	979				
SUG PINE		134.4	23.0	205	267	328				
DOUG-FIR		443.5	76.0	6	27	47				
LP PINE		583.1	99.9	0	15	31				
TOTAL		46.4	7.9	1,965	2,134	2,304	86	21	10	

TC TLOGSTVB				Log Stock Table - MBF Project: HOAGIE																
T033 R007 S06 TVARI										T033 R007 S06 TVARI										
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	Page	1											
033	007	06	221	VARI	348.00	34	104	Date	4/17/2018											
									Time	2:44:37PM										
S	So	Gr	Log	Gross	%	Net	%	Net Volume by Scaling Diameter in Inches												
Spp	T	rt	de	Len	MBF	Def	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WF	1	CR	17		82		82	5.1			36	17	29							
WF	1	CR	26		150		150	9.3			32	89	30							
WF	1	CR	34		1,395	.4	1,389	85.7			69	179	374	153	337	277				
WF			Totals		1,627		1,622	45.9			136	285	433	153	337	277				
PP	1	CR	16		18		18	1.3									18			
PP	1	CR	17		100		100	7.1			37	27	8	10		17				
PP	1	CR	26		175	.5	174	12.3			39	17	12	30	19	27		30		
PP	1	CR	32		398		398	28.0							59	162	103	75		
PP	1	CR	34		738	1.1	730	51.4			58	75	117	195	263	22				
PP			Totals		1,429		1,420	40.2			135	119	137	235	341	227	121	105		
SP	1	CR	16		12		12	2.9							12					
SP	1	CR	17		28		28	6.5			9	5				14				
SP	1	CR	26		42		42	9.8				21	10	11						
SP	1	CR	32		136		136	31.8								68	40	28		
SP	1	CR	34		209		209	49.0			33	18	83	56	21					
SP			Totals		427		427	12.1			42	43	93	66	33	81	40	28		
DF	1	CR	17		8		8	18.9			8									
DF	1	CR	26		11		11	24.6						11						
DF	1	CR	34		25		25	56.5				6				19				
DF			Totals		45		45	1.3			8	6		11		19				
LP	1	CR	17		8		8	36.4			8									
LP	1	CR	34		13		13	63.6				13								
LP			Totals		21		21	.6			8	13								
Total All Species					3,549		3,535	100.0			330	466	664	466	711	605	161	133		

Species Table Report

TblSpecies

Date: 12/22/2014

Page: 1

Table Name: SUNPASS

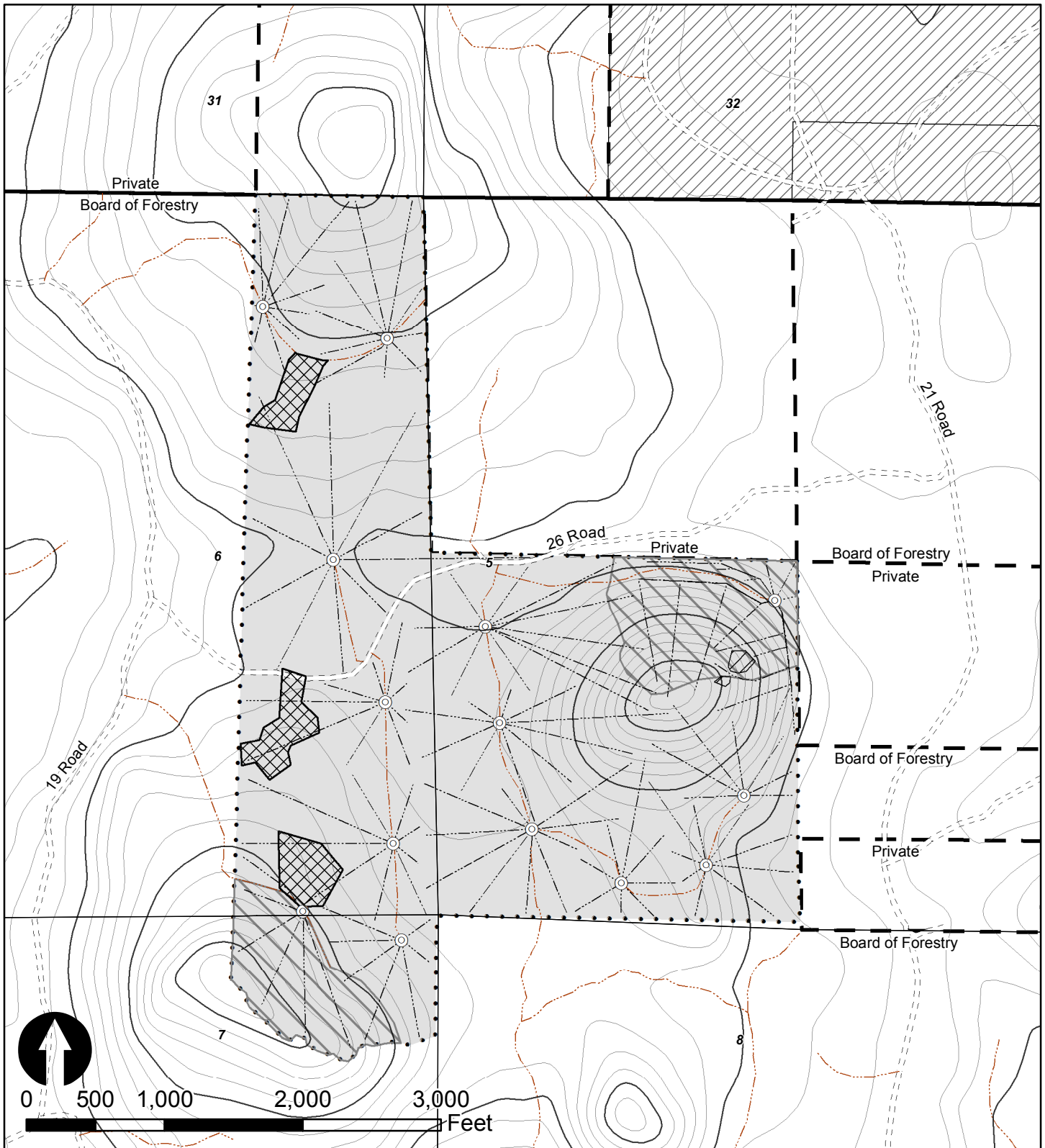
Code	Abrv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Comp- onent	Yield Table	Min Log Dia	Min Log Len	Max Log Len	Log Trim	Max Tree Dia	Max Tree Hgt.	BdFt Rule	CuFt Rule	Weight
1	PP	PPINE	.87	PP	.85	P	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
2	WF	WHITE F	.94	NF	.87	W	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000
3	LP	LP PINE	.96	DF	.9	P	C	LP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
4	DF	DOUG-FIR	.92	DF	.87	D	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5700
5	SP	SUG PINE	.87	PP	.84	P	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
6	IC	INC CED	.90	SS	.80	C	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	4500
7	RF	SH FIR	.924	DF	.89	W	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000

TblSortGrade

Sort/Grade Table

Table Name: SUNPASS Date: 12/22/2014

Sort	Grd	Abr	Desc	Fbr	Min Dia	Max Dia	Max B Butt	Min I Len	Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot S Size	Knot Freq	Str	Sap	Min Age	Lbs	Lbs Type	Cords	Cords Type
0	0	CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0	0		
	1	CR	CAMPRU	G	6	0	0	10	99	0	0	M	0	0	0			0	0	0		
	7	GP	GRNPULP	G	3	0	0	10	99	0	0	M	0	0	0			0	0	0		
	8	DP	DEADPUL	G	3	0	0	10	99	0	0	M	0	0	0			0	0	0		
	9	UT	UTILITY	G	8	0	0	12	99	0	0	M	0	0	0			0	0	0		
		CU	CULL	G	1	0	0	1	99	0	0	M	0	0	0			0	0	0		
	1	CR	CAMPRU	G	1	0	0	1	99	0	0	M	0	0	0			0	0	0		



LOGGING PLAN

Of Timber Sale Contract 341-19-21
Hoagie
Portions of Section 5, 6 and 7, T33S,
R7E, Willamette Meridian,
Klamath County, Oregon

Created: April 12, 2018, KLD GIS

