Timber Sale Appraisal
Borderline

Sale KL-341-2020-W00769-01

District: Klamath/Lake **Date: July 10, 2019**

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$907,844.57	$0.00	$907,844.57
		Project Work:	($40,908.38)
		Advertised Value:	$866,936.19

Timber Sale Appraisal
Borderline

Sale KL-341-2020-W00769-01

District: Klamath/Lake **Date: July 10, 2019**

Timber Description

Location: Portions of Sections 6, 7, and 18, T33S, R7E, Portions of Sections 12 and 13, T33S, R7.5E, W.M., Klamath County, Oregon

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	26	0	98
White Fir	18	0	98
Sugar Pine	23	0	95
Ponderosa Pine	19	0	95
Lodgepole Pine	17	0	95

Volume by Grade	2S	3S & 4S 6"-11"	3S 12"+	6" - 11"	12"-15"	16"+	Camprun	Total
Douglas - Fir	11	30	5	0	0	0	0	46
White Fir	816	1,057	100	0	0	0	0	1,973
Sugar Pine	0	0	0	445	580	599	0	1,624
Ponderosa Pine	0	0	0	919	675	673	0	2,267
Lodgepole Pine	0	0	0	0	0	0	73	73
Total	827	1,087	105	1,364	1,255	1,272	73	5,983

Comments: Pond Values Used: Local Pond Values, June 2019.

Log Markets: Klamath Falls and Medford.

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

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

ROAD MAINTENANCE
Move-in: $500.00
General Road Maintenance: 8.5 miles x $211 per mile x2 Bladings = $3,587.00
Total Road Maintenance: $4,087.00, $0.67 per Mbf

District: Klamath/Lake **Date: July 10, 2019**

Logging Conditions

Combination#: 1

White Fir	77.00%
Sugar Pine	30.00%
Ponderosa Pine	62.00%
Lodgepole Pine	100.00%

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

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

tree size: Small / Thinning 12in (130 Bft/tree), 12-17 logs/MBF

loads / day: 10 **bd. ft / load:** 3900

cost / mbf: $97.35

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

Combination#: 2

Douglas - Fir	100.00%
White Fir	23.00%
Sugar Pine	70.00%
Ponderosa Pine	38.00%

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: 10 **bd. ft / load:** 4000

cost / mbf: $110.27

machines:
Log Loader (B)
Track Skidder

Timber Sale Appraisal
Borderline

Sale KL-341-2020-W00769-01

District: Klamath/Lake **Date: July 10, 2019**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	10%
Project Costs:	$40,908.38	**Other Costs (P/R):**	$0.00
Slash Disposal:	$0.00	**Other Costs:**	$0.00

Miles of Road

Road Maintenance: $0.67

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	2.0	3.8
White Fir	$0.00	3.0	4.0
Sugar Pine	$0.00	3.0	3.8
Ponderosa Pine	$0.00	3.0	3.8
Lodgepole Pine	$0.00	3.0	3.6

Timber Sale Appraisal
Borderline

Sale KL-341-2020-W00769-01

District: Klamath/Lake **Date: July 10, 2019**

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$110.27	$0.68	$1.47	$127.50	$0.00	$23.99	$0.00	$2.00	$0.00	$265.91
White Fir									
$100.32	$0.68	$1.47	$80.75	$0.00	$18.32	$0.00	$2.00	$0.00	$203.54
Sugar Pine									
$106.39	$0.70	$1.47	$87.50	$0.00	$19.61	$0.00	$2.00	$0.00	$217.67
Ponderosa Pine									
$102.26	$0.70	$1.47	$87.50	$0.00	$19.19	$0.00	$2.00	$0.00	$213.12
Lodgepole Pine									
$97.35	$0.70	$1.47	$92.36	$0.00	$19.19	$0.00	$2.00	$0.00	$213.07

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$508.11	$242.20	$0.00
White Fir	$0.00	$414.43	$210.89	$0.00
Sugar Pine	$0.00	$340.10	$122.43	$0.00
Ponderosa Pine	$0.00	$332.69	$119.57	$0.00
Lodgepole Pine	$0.00	$360.00	$146.93	$0.00

Timber Sale Appraisal
Borderline

Sale KL-341-2020-W00769-01

District: Klamath/Lake **Date: July 10, 2019**

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	46	$242.20	$11,141.20
White Fir	1,973	$210.89	$416,085.97
Sugar Pine	1,624	$122.43	$198,826.32
Ponderosa Pine	2,267	$119.57	$271,065.19
Lodgepole Pine	73	$146.93	$10,725.89

Gross Timber Sale Value

Recovery: $907,844.57

Prepared By: Chris Weekly **Phone:** 541-883-5681

Borderline

KL-341-2020-W00769-01

Additional Costs

Road Maintenance	
Move-in cost (grader):	$500.00
Number of Miles to be Bladed:	8.5
Number of Bladings:	2
Total Miles	17.0
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	$105.50
Total Grading Hours:	34
Grading Cost:	$3,587.00
	$4,087.00
Total Cost:	$4,087.00
Cost / Mbf:	$0.67

Borderline

KL-341-2020-W00769-01

Project Costs

Project #1 Dust Abatement

PP	2312	Mbf	37.9%	Average Load	3.8	Mbf	No. of Loads	608
WF	2014	Mbf	33.0%	Average Load	4.0	Mbf	No. of Loads	504
SP	1657	Mbf	27.2%	Average Load	3.8	Mbf	No. of Loads	436
LP	72	Mbf	1.2%	Average Load	3.6	Mbf	No. of Loads	20
DF	47	Mbf	0.8%	Average Load	3.8	Mbf	No. of Loads	12
Total:	**6102**	**Mbf**					**Total Loads**	**1580**

Assume:	6	Trucks/Day		
	2	Trips/Day	132	Days of Dust Abatement
	12	**Loads per Day**	1.5	Hours/Day
	132	**Hauling Days**	$88.00	Cost/Hour
			198	Total Hours
			$200.00	Move in for Water Truck
			$17,583.76	Dust Abatement Cost
			$17,583.76	**Total Cost**
			$2.88	Cost/Mbf

Borderline

KL-341-2020-W00769-01

Project Costs

Project #2 Road Improvement and Construction

Move in Cost Dozer: $500.00

Improvement

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to B	540	1000	0.5	$132.50	$71.55
Open/Clear/Shape	C to D	3052	1000	3.1	$132.50	$404.39
Open/Clear/Shape	E to F	629	1000	0.6	$132.50	$83.34
Open/Clear/Shape	G to H	1573	1000	1.6	$132.50	$208.42
Open/Clear/Shape	I to J	4805	1000	4.8	$132.50	$636.66
Open/Clear/Shape	K to L	1146	1000	1.1	$132.50	$151.85
Open/Clear/Shape	O to P	2370	1000	2.4	$132.50	$314.03
	Total	**14115**			**Total**	**$1,870.24**

Construction

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	M to N	305	750	0.4	$132.50	$53.88
	Total	**305**			**Total**	**$53.88**

Project #2 Summary

Equipment Costs	$500.00
Improvement Costs	$1,870.24
Construction Costs	$53.88
Project #1 Total	**$2,424.12**
per MBF	$0.40

Borderline

KL-341-2020-W00769-01

Project Costs

Project #3 Slash and Brush Piling

Landing Piling

Number of Landings: 33

Shovel Time:	1 Hour per Landing	Cost per Hour:	$125.00	Total Cost	$4,125.00
Cat Time:	1 Hour per Landing	Cost per Hour:	$132.50	Total Cost	$4,372.50

Total	**$8,497.50**
per MBF	$1.39

Unit Piling

Equipment Move In:	$500.00
Acres to be Piled	15
Hours per Acre	2
Cost per Hour	$85.00
Cost of Piling	$2,550.00
Total Cost	**$3,050.00**
per Mbf	$0.50

Project #3 Summary

Landing Piling	$8,497.50
Unit Piling	$3,050.00
Total Cost	**$11,547.50**
per Mbf	$1.89

Final Straw

KL-341-2019-W00511-01

Project Costs

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**
$0.62	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**
$0.25	per MBF

Project #4 Summary

Total cost Rock	$3,780.00
Total cost Spreading	$1,548.00
Total	**$5,328.00**
per MBF	$0.87

Project #5 PreCommercial Thinning

	Hours	Cost per Hour	Total
Feller Buncher	20	$130.00	$2,600.00
Skidder	8	$100.00	$800.00
Shovel	5	$125.00	$625.00
		Total Cost	**$4,025.00**
		Cost per Mbf	$0.66

Cost Summary All Projects

Project No. 1 - Dust Abatement	$17,583.76
Project No. 2 - Road Improvement and Construction	$2,424.12
Project No. 3 - Slash and Brush Piling	$11,547.50
Project No. 4 - Spot Rocking	$5,328.00
Project No. 5 - Precommercial Thin	$4,025.00
Total Cost	**$40,908.38**
per Mbf	$6.70

Summary of Project Work

Borderline

KL-341-2020-W00769-01

Project No. 1:	Dust Abatement	**$17,583.76**
Project No. 2:	Road Improvement and Construction	**$2,424.12**
Project No. 3:	Slash and Brush Piling	**$11,547.50**
Project No. 4:	Spot Rocking	**$5,328.00**
Project No. 5:	Precommercial Thin	**$4,025.00**
	Total:	**$40,908.38**

Borderline

KL-341-2020-W00769-01
Cruise Report

SALE NAME: Borderline

LEGAL DESCRIPTION:

Township 32 South, Range 7 East, Portion of Section 31, and
Township 33 South, Range 7.5 East, Portions of Sections 12, and Township 33 South, Range 7 East, Portions of Sections 6, 7, and 18, Willamette Meridian, Klamath County, Oregon.

ACREAGE:

The timber sale is 762 acres and was cruised as two separate stands.

Stand	Gross Acres	Exclusion	Net Acres
Area 1	587	17	570
Area 2	164	0	164
Area 3	11	0	11
Total	762	17	745

Acreage was determined using data collected using GPS and compiled using ArcMap.

TREATMENT:

Area 1 is a single tree selection cut with leave trees marked with orange paint for trees 10.0 inches dbh and larger. No submerchantable material will be cut.

Area 2 is a selection cut based on prescription by description, and is referenced in the contract as Areas 2. Area 2 is a purchaser select cut with requirements listed in contract Section 2320, “Thinning Specifications”.

Area 3 is plantation. No cruise was performed for this area, but thinning will be required under the Project Work portion of the Timber Sale.

CRUISE METHOD:

Merchantable volume on the timber sale was sampled using a variable plot cruise with a ratio of one measure plot for every count plot. Submerchantable material (5.0"to 9.0" dbh) was measured with a 1/50 acre fixed plot but it was determined to be negligible. Therefore, submerchantable material will not be cut, with the exception of the Project Work thinning for Area 3.

BASAL AREA FACTOR:

Stand	BAF	Type Acreage
Area 1	13.61 BAF	584 acres
Area 2	13.61 BAF	164 acres

FIXED PLOT:

Stand	**Radius**	**Type Acreage**
Areas 1 and 2	16.6	748

PLOT DESIGNATION:

Plot centers were established at every plot with pin flags and candy stripe blue and white flagging attached to the nearest available tree branch listing the plot number.

SAMPLE SIZE:

Area 1: 28 Plots
Area 2: 21 Plots

Measurements and Grading:

- DBH and Height were measured on all "in" trees for measure plots.
- Submerch volume and sawlog volume cruised.
- See attached species and grade tables for minimum requirements.
- All trees were graded using the segment system.

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:

10” dbh for sawlog volume.

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 form factor.

FORM POINT:

All trees were sighted at D.B.H.

VOLUME COMPUTATION:

All cruise data was compiled using SuperACE.

FINAL CRUISE RESULTS:

STAND	CV%	SE%	Acres
Area 1	67.3	12.9	584
Area 2	58.6	13.1	164
Combined	90.8	13.0	759

TIMBER DESCRIPTION

SAWLOG VOLUME:

All material graded camprun. See grade table for minimum standards.

Area 1

Species	Average DBH	Gross Volume per acre (bf/acre)	Net Volume per acre (bf/acre)	Gross Volume per area (Mbf)	Net Volume per area (Mbf)
Ponderosa pine	17.7	3,102	3,096	1,768	1,765
Sugar pine	22.4	2,414	2,407	1,376	1,372
White fir	18.8	2,979	2,973	1,698	1,695
Lodgepole pine	19.8	82	82	47	47
Douglas-fir	25.5	81	81	46	46
Combined	19.1	8,658	8,638	4,935	4,924

Area 2

Species	Average DBH	Gross Volume per acre (bf/acre)	Net Volume per acre (bf/acre)	Gross Volume per area (Mbf)	Net Volume per area (Mbf)
Ponderosa pine	25.5	3,142	3,072	515	503
White fir	16.1	1,698	1,698	278	278
Sugar pine	24.3	1,538	1,538	252	252
Lodgepole pine	13.8	153	153	25	25
Combined	20.3	6,531	6,461	1,077	1,059

TOTAL SAWLOG VOLUME

Species	Average DBH	Gross Volume (Mbf)	Net Volume (Mbf)
Ponderosa pine	18.2	2,283	2,269
White fir	18.2	1,977	1,973
Sugar pine	22.7	1,628	1,624
Lodgepole pine	17.0	73	72
Douglas-fir	25.5	46	46
Combined	19.3	6,095	6,075

TOTAL NET SAWLOG VOLUME: 6,075 MBF

TC PSTATS

PROJECT STATISTICS

PROJECT BDERLNE

DATE 6/27/2019

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
033	007	06	222	VARI	734.00	49	218	1	E
033	007	07	243	VARI					

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	49	218	4.4		
CRUISE	24	107	4.5	23,144	.5
DBH COUNT					
REFOREST					
COUNT	25	111	4.4		
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	49	14.5	18.6	51	6.3	27.3	3,111	3,091	665	665
WHITE F	23	9.5	18.2	57	4.0	17.2	2,693	2,688	549	549
SUG PINE	30	6.3	22.7	59	3.7	17.6	2,218	2,213	470	470
LP PINE	4	1.1	17.0	49	0.4	1.7	106	106	25	25
DOUG-FIR	1	.1	25.5	62	0.1	.4	63	63	13	13
TOTAL	*107*	*31.5*	*19.3*	*54*	*14.6*	*64.1*	*8,191*	*8,161*	*1,722*	*1,722*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
P PINE	88.9	12.7	332	381	429			
WHITE F	67.3	14.3	285	332	380			
SUG PINE	78.2	14.5	382	447	512			
LP PINE	28.6	16.3	73	88	102			
DOUG-FIR								
TOTAL	*83.7*	*8.1*	*349*	*380*	*411*	*280*	*70*	*31*

CL 68.1 SD: 1.0

SAMPLE TREES - CF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
P PINE	74.7	10.7	68	76	84			
WHITE F	57.3	12.2	59	67	75			
SUG PINE	57.1	10.6	82	92	102			
LP PINE	41.0	23.4	18	23	29			
DOUG-FIR								
TOTAL	*67.9*	*6.6*	*72*	*77*	*82*	*184*	*46*	*20*

CL 68.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
P PINE	151.1	21.6	11	15	18			
WHITE F	171.6	24.5	7	10	12			
SUG PINE	158.9	22.7	5	6	8			
LP PINE	371.4	53.0	1	1	2			
DOUG-FIR	700.0	99.9	0	0	0			
TOTAL	*88.8*	*12.7*	*28*	*32*	*36*	*315*	*79*	*35*

CL 68.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
P PINE	107.9	15.4	23	27	31			
WHITE F	180.0	25.7	13	17	22			
SUG PINE	150.8	21.5	14	18	21			
LP PINE	383.7	54.8	1	2	3			
DOUG-FIR	700.0	99.9	0	0	1			
TOTAL	*78.9*	*11.3*	*57*	*64*	*71*	*248*	*62*	*28*

PROJECT **BDERLNE**

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
033	007	06	222	VARI	734.00	49	218	1	E
033	007	07	243	VARI					

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	95.8	13.7	2,668	3,091	3,514			
WHITE F	191.2	27.3	1,954	2,688	3,421			
SUG PINE	155.0	22.1	1,723	2,213	2,702			
LP PINE	373.7	53.3	50	106	163			
DOUG-FIR	700.0	99.9	0	63	126			
TOTAL	*90.2*	*12.9*	*7,110*	*8,161*	*9,211*	*325*	*81*	*36*

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	96.7	13.8	573	665	757			
WHITE F	186.9	26.7	403	549	696			
SUG PINE	152.9	21.8	367	470	572			
LP PINE	370.1	52.8	12	25	38			
DOUG-FIR	700.0	99.9	0	13	26			
TOTAL	*86.5*	*12.3*	*1,509*	*1,722*	*1,934*	*299*	*75*	*33*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T033 R007 S06 TyVARI	570.00
T033 R007 S07 TyVARI	164.00

Project: **BDERLNE**

Acres **734.00**

Page **1**
Date **6/27/2019**
Time **12:33:47PM**

Spp	S T	So Gr rt ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of 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
WF		CR CR	100	.2	2,693	2,688	1,973		41	43	16	8	8	84		29	11	169	1.19	15.9
WF Totals			33	.2	2,693	2,688	1,973		41	43	16	8	8	84		29	11	169	1.19	15.9
PP		CR CR	100	.6	3,111	3,091	2,269		41	36	24	7	11	82		28	10	153	1.16	20.3
PP Totals			38	.6	3,111	3,091	2,269		41	36	24	7	11	82		28	10	153	1.16	20.3
DF		CR CR	100		63	63	46		24		76			100		34	13	295	1.78	.2
DF Totals			1		63	63	46		24		76			100		34	13	295	1.78	.2
SP		CR CR	100	.3	2,218	2,213	1,624		27	55	18	5	8	86		29	12	207	1.53	10.7
SP Totals			27	.3	2,218	2,213	1,624		27	55	18	5	8	86		29	12	207	1.53	10.7
LP		CR CR	91		98	98	72		100			12	65	23		26	10	100	0.81	1.0
LP		CR GP	9		9	9	6	12	88			100				20	7	40	0.87	.2
LP Totals			1		106	106	78	1	99			19	60	21		25	9	89	0.82	1.2
Totals				0.4	8,191	8,161	5,990	0	38	42	20	7	10	83		29	11	169	1.25	48.3

TC PLOGSTVB

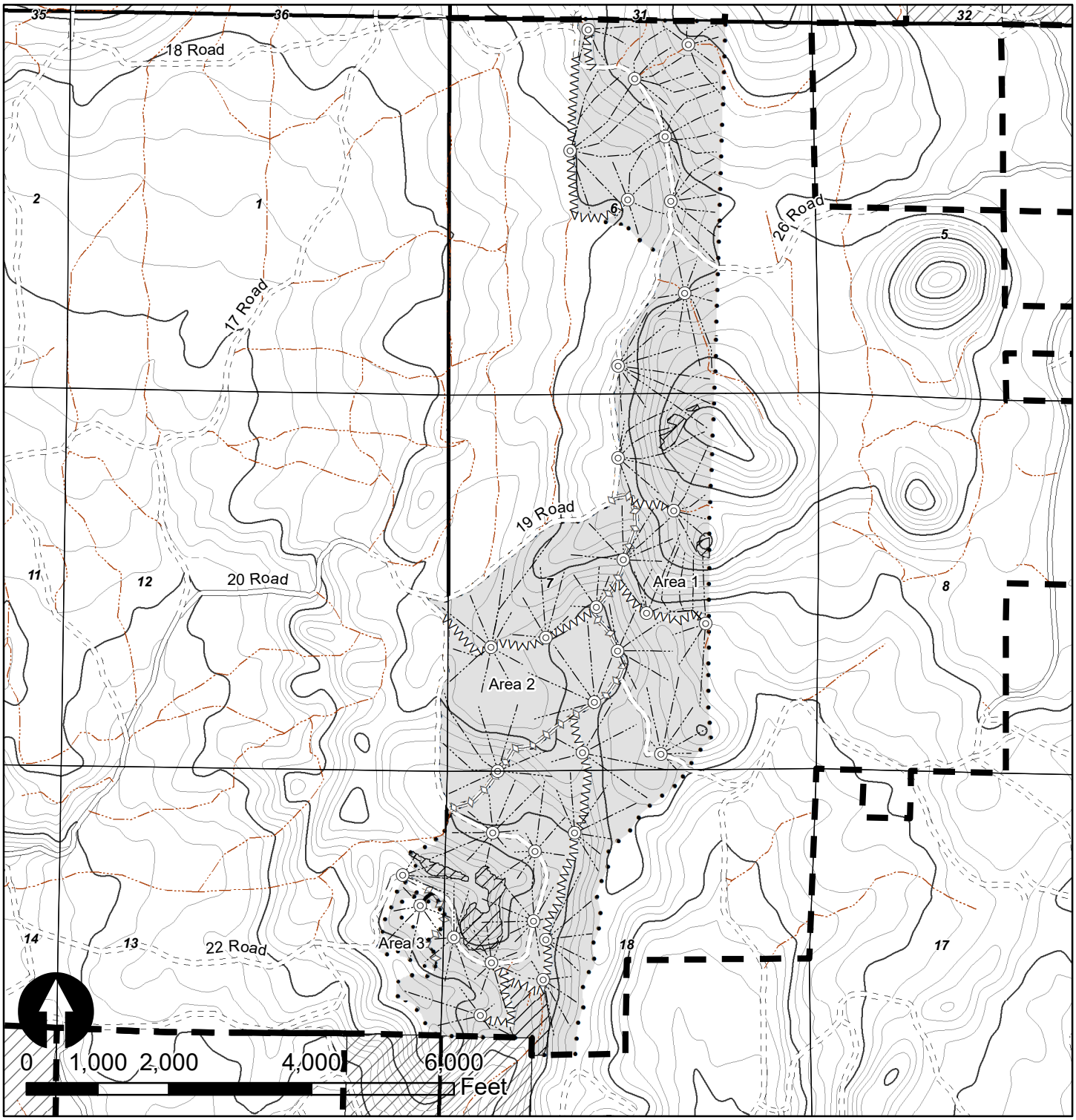
Log Stock Table - MBF

T033 R007 S06 TyVARI 570.00
T033 R007 S07 TyVARI 164.00

Project: BDERLNE
Acres 734.00

Page 1
Date 6/27/2019
Time 12:33:09PM

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+
WF		CR	CR	17	155		155	7.8			31	20	50		53					
WF		CR	CR	26	164		164	8.3				116			48					
WF		CR	CR	34	1,658		1,654	83.8			52	201	346	269	374	412				
WF		Totals			1,977		1,973	32.9			83	337	396	269	475	412				
PP		CR	CR	12	18		18	.8						18						
PP		CR	CR	16	2		2	.1			2									
PP		CR	CR	17	133		133	5.9			42	23	42		25					
PP		CR	CR	18	17	27.8	13	.6								13				
PP		CR	CR	24	27		27	1.2							27					
PP		CR	CR	26	191		191	8.4			42	90	29	31						
PP		CR	CR	27	14		14	.6				14								
PP		CR	CR	28	14	18.2	12	.5						12						
PP		CR	CR	32	689		688	30.3					13	83	22	377	162	31		
PP		CR	CR	34	1,178		1,172	51.7			72	174	376	235	225	91				
PP		Totals			2,283		2,269	37.9			158	301	460	378	298	480	162	31		
DF		CR	CR	34	46		46	100.0				11				35				
DF		Totals			46		46	.8				11				35				
SP		CR	CR	12	8		8	.5								8				
SP		CR	CR	16	9		9	.5								9				
SP		CR	CR	17	66		66	4.1			19	14	19	14						
SP		CR	CR	26	106		106	6.5				72	34							
SP		CR	CR	28	32		32	2.0								32				
SP		CR	CR	32	455		455	28.0						52	78	154	76	95		
SP		CR	CR	34	952		948	58.4				66	220	167	270	165	60			
SP		Totals			1,628		1,624	27.1			19	153	273	232	348	368	136	95		
LP		CR	CR	17	9		9	11.3					9							
LP		CR	CR	26	47		47	59.7					47							
LP		CR	CR	34	16		16	20.8				16								
LP		CR	GP	20	6		6	8.2		1			6							
LP		Totals			78		78	1.3		1		16	61							
Total		All Species			6,012		5,990	100.0		1	260	818	1190	880	1122	1295	297	126		



LOGGING PLAN

Of Timber Sale Contract
KL-341-2020-W00769-01
Borderline
Portions of Sections 12 and 13 T33S, R7.5E,
Portions of Sections 6, 7 and 18,
T33S, R7E, Willamette Meridain,
Klamath County, Oregon

Created: June 21, 2019 KLD GIS

Borderline Timber Sale	Paved Road
Sun Pass State Forest	Surfaced Road
US Forest Service	Unsurfaced Road
Exclusion	Blocked
Road Construction	Road Improvement
Landing	Skid Trails