



Timber Sale Appraisal
Livin On A Prayer
Sale KL-341-2017-55-

District: Klamath/Lake

Date: November 09, 2016

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$51,005.60	\$0.00	\$51,005.60
		Project Work:	(\$12,508.73)
		Advertised Value:	\$38,496.87



Timber Sale Appraisal Livin On A Prayer Sale KL-341-2017-55-

District: Klamath/Lake

Date: November 09, 2016

Timber Description

Location: Portions of Section 19, T35S, R13E, and portions of Section 19, T35S, R14E, W.M., Klamath County, Oregon.

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Ponderosa Pine	15	0	95

Volume by Grade	CR 6" - 8"	CR 8" - 14"	CR 14" - 22"	CR 22"+	Total
Ponderosa Pine	244	164	103	4	515
Total	244	164	103	4	515

Comments: Pond Values Used: 3rd Quarter Calendar Year 2016.

Log Markets: Klamath Falls and Medford.

SCALING COST ALLOWANCE = \$5.00/MBF

BRANDING AND PAINTING COST ALLOWANCE = \$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE
Hauling costs equivalent to \$780 daily truck cost.

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

Other Costs (No Profit & Risk added):
Road Use Fee: \$2404.22
TOTAL Other Costs (No Profit & Risk added) = \$2404.22



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Logging Conditions

Combination#: 1		Ponderosa Pine	86.00%
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: 4000	
cost / mbf:	\$94.92		
machines:	Log Loader (B) Stroke Delimber (B) Feller Buncher w/ Delimber Tire Skidder		
<hr/>			
Combination#: 2		Ponderosa Pine	14.00%
Logging System:	Track Skidder	Process: Manual Falling/Delimbing	
yarding distance:	Medium (800 ft)	downhill yarding: Yes	
tree size:	Mature / Partial Cut (900 Bft/tree), 3-5 logs/MBF		
loads / day:	10	bd. ft / load: 4100	
cost / mbf:	\$107.58		
machines:	Log Loader (B) Track Skidder		



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Logging Costs

Operating Seasons: 1.00	Profit Risk: 10%
Project Costs: \$12,508.73	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$2,404.22

Miles of Road

Road Maintenance: \$1.60

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

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Ponderosa Pine	\$0.00	2.0	4.0



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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
Ponderosa Pine									
\$96.69	\$1.68	\$8.51	\$102.38	\$0.00	\$20.93	\$0.00	\$7.00	\$4.67	\$241.86

Specie	Amortization	Pond Value	Stumpage	Amortized
Ponderosa Pine	\$0.00	\$340.90	\$99.04	\$0.00



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Summary

Amortized

Specie	MBF	Value	Total
Ponderosa Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Ponderosa Pine	515	\$99.04	\$51,005.60

Gross Timber Sale Value

Recovery: \$51,005.60

Prepared By: Chris Weekly

Phone: 541-883-5681

Livin' on a Prayer

341-17-055

Other Costs

Road Use Fee

Purchaser of the Livin' on a Prayer Timber Sale will be required to obtain a road use permit from the USDA Forest Service in order to haul on approximately 1.21 miles of Forest Road 3462-124, 0.27 miles the 3462-026 road, and 0.65 miles of the 3445 road. The road use permit fees for the haul is \$404.22.

Any exchange of project work in lieu of road use fees will need to be negotiated between the purchaser and the USDA Forest Service.

In order to access Area 2 the purchaser will be required to obtain a road use permit from Green Diamond Resource Company. This permit carries a few of \$2000.00

Estimated Fee Totals

USFS Road Use Permit Fees: \$404.22
per Mbf \$0.78

Green Diamond Road Use Fee: \$2,000.00
per Mbf \$3.88

Road Maintenance

Move-in cost (grader):	\$400.00
Number of Miles to be Bladed:	2.0
Number of Bladings:	1
Total Miles	2.0
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	\$105.50
Total Grading Hours:	4
Grading Cost:	<u>\$422.00</u>
	<u>\$822.00</u>
Total Cost:	\$822.00
Cost / Mbf:	\$1.60

Hauling

PP	515	Average Load	4.0 MBF	No. of Loads	<u>129</u>
				Total Loads	129

Assume: 4 Trucks/Day
 2 Trips/Day
 8 Loads per Day

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

\$404.22	Total Road Use Fees	\$0.78 per MBF
<u>\$822.00</u>	Total cost for Road Maintenance	<u>\$1.60 per MBF</u>
\$822.00	Total Other Costs	\$1.60 per Mbf

Livin' on a Prayer

341-17-055

Project Costs

Project #1 Road Construction and Improvement

Move in Cost Dozer: \$400.00

Construction

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to B	838	1000	0.8	\$132.50	\$111.04
Open/Clear/Shape	C to D	952	1000	1.0	\$132.50	\$126.14
Open/Clear/Shape	K to N	1320	1000	1.3	\$132.50	\$174.90
Open/Clear/Shape	L to M	1206	1000	1.2	\$132.50	\$159.80
	Total	4316			Total	\$571.87

Improvement

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	C to E	538	1000	0.5	\$132.50	\$71.29
Open/Clear/Shape	J to K	1476	1000	1.5	\$132.50	\$195.57
	Total	2014			Total	\$266.86

Project #1 Summary

Move in: \$400.00
Open/Clear Shape: \$838.73
Project #1 Total: \$1,238.73
per Mbf: \$2.41

Livin' on a Prayer

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Project Costs

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

Total Sub-Sawlog Volume: 134 MBF

Fell and Skid/MBF: \$50.00

Sort/MBF: \$10.00

Total \$8,040.00

per MBF \$15.61

Landing Slash Piling

Number of Landings: 11

Shovel Time: 1 Hour per Landing Cost per Hour: \$125.00 Total Cost \$1,375.00

Cat Time: 1 Hour per Landing Cost per Hour: \$132.50 Total Cost \$1,457.50

Total \$2,832.50
per MBF \$5.50

Project #2 Summary

Fell/Pile/Skid: \$8,040.00

Landing Cleanup: \$2,832.50

Total: \$10,872.50

per Mbf: \$21.11

Livin' on a Prayer

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Project Costs

Project #3 Road Closure

Road Closures

3	Number of Closure Points - Points A, C, and K
\$132.50	Cost per Hour (Cat)
\$397.50	Total
\$0.77	per Mbf

Cost Summary All Projects

\$1,238.73	Project #1 Road Construction and Improvement
\$10,872.50	Project #2 Fell, Skid, and Pile Submerchantable Trees
\$397.50	Project #3 Road Closure
\$12,508.73	Total
\$24.29	per MBF

Summary of Project Work

Livin' on a Prayer 341-17-55



Project No. 1: Road Improvement and Contruction	\$1,238.73
Project No. 2: Fell, Skid, and Pile Submerch.	\$10,872.50
Project No. 3: Road closures.	\$397.50
Total:	\$12,508.73

Livin' on a Prayer 341-17-55 Cruise Report



SALE NAME: Livin' on a Prayer

LEGAL DESCRIPTION:

Located in portions of Sections 19, T35S, R13E, and portions of Section 19, T35S, R14E, W.M., Klamath County, Oregon.

ACREAGE:

The timber sale is comprised of 2 areas for a total of 196 acres with 6 acres excluded from harvest.

Area	Gross Acres	Net Acres
1	119	119
2	77	71
Total	196	190

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

TREATMENT:

The sale is a single tree selection partial cut harvest.

CRUISE METHOD:

Merchantable volume was sampled using a variable plot cruise using a 1:1 ratio of measure to count plots.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area 1	5 BAF	119 Acres
Area 2	10 BAF	71 Acres

PLOT DESIGNATION:

Plot centers were established at every plot with blue and white candy stripe flagging. Candy stripe blue and white flagging was attached to the nearest available tree branch listing the plot number and date of cruise.

SAMPLE SIZE:

Area 1: 25 Plots

Area 2: 27 Plots

Measurements and Grading:

- DBH and Height were measured on all "in" trees for measure plots.
- Minimum log requirements were a 16' foot segment with an 8" scaling diameter.
- 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:

10.0" 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:

AREA	CV%	SE%	Acres
Area 1	69.3	14.1	119
Area 2	59.8	9.7	71
Combined	63.1	7.9	190

**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	14.7	1,586	1,549	189	184

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	14.5	4720	4,657	335	331

Combined

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	14.5	2,757	2,710	524	515

ESTIMATED NET SAWLOG VOLUME: 515 MBF

GREEN PULP VOLUME:

Submerchantable Material

This volume was obtained from the fixed plot cruise (5.0" – 10.0" DBH) combined with all material graded as green pulp during the variable plot cruise. All material was graded green pulp, see grade table for minimum standards.

Area	Fixed Plot Cruise		Variable Plot Cruise	Combined Cruises	
	Trees per Acre	Volume per Acre (bf)	Volume per Acre (bf)	Volume per Acre (bf)	Gross Volume (Mbf)
1	46	500	278	778	93
2	33	368	412	780	55
Combined	51	451	256	707	134

TOTAL GREEN PULP VOLUME: 134 MBF

T	Species, Sort Grade - Board Foot Volumes (Type)																		Page	1	
	Project: LOAP 1																		Date	8/1/2016	
																			Time	2:57:33PM	
T035 R013 S19 TVARI																		T035 R013 S19 TVARI			
Twp		Rge		Sec	Tract		Type	Acres	Plots		Sample Trees				CuFt	BdFt					
035		013		19	40455		VARI	119.00	25		71				1	E					
S So Gr T rt ad Spp				%	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/ Ft In Ft Lf				
PP		1		CR	84	2.4	1,586	1,549	184	0	56	37	7	37	34	29	21	9	68	0.85	22.9
PP		1		GP	16		278	278	33	22	59	19		85	3	12	15	6	20	0.43	14.0
PP Totals				100	2.0	1,864	1,826	217	4	57	34	6	44	29	25	2	19	8	50	0.73	36.8
Type Totals					2.0	1,864	1,826	217	4	57	34	6	44	29	25	2	19	8	50	0.73	36.8

T	TSPCSTGR										Species, Sort Grade - Board Foot Volumes (Type)										Page		1																		
											Project: LOAP 1										Date		9/19/2016																		
																					Time		11:01:40AM																		
T035 R014 S19 TVARI																				T035 R014 S19 TVARI																					
Twp		Rge		Sec		Tract		Type		Acres		Plots		Sample Trees		CuFt		BdFt																							
035		014		19		40452		VARI		71.00		38		136		1		E																							
S So Gr Spp T rt ad				% Net BdFt	Bd. Ft. per Acre Def% Gross Net			Total Net MBF	Percent Net Board Foot Volume								Average Log				Logs Per /Acre																				
									Log Scale Dia.				Log Length				Ln Dia Bd CF/ Ft In Ft Lf																								
PP		1		CR		88		1.3		4,720		4,657		331		0		68		27		5		25		24		50		1		25		8		75		0.73		61.8	
PP		1		GP		4				218		218		15		57		43						100						16		6		21		0.36		10.5			
PP		1		CR		8		1.3		418		412		29				100						100				21		8		59		0.69		7.0					
PP		Totals				100		1.3		5,356		5,288		375		3		69		24		4		26		29		44		1		24		8		67		0.69		79.3	
Type Totals						1.3		5,356		5,288		375		3		69		24		4		26		29		44		1		24		8		67		0.69		79.3			

TC		PSPCSTGR		Species, Sort Grade - Board Foot Volumes (Project)																																	
<div><div>T035 R013 S19 TyVARI119.00</div><div>T035 R014 S19 TyVARI71.00</div></div>		Project:		LOAP 1												Page		1																			
																				Acres		190.00												Date		9/19/2016	
S So Gr			%	Bd. Ft. per Acre			Total	Percent of Net Board Foot Volume								Average Log				Logs																	
Spp	T	rt ad	Net	Def%	Gross	Net	Net MBF	Log Scale Dia.				Log Length				Ln	Dia	Bd	CF/	Per																	
			BdFt					4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre																	
PP	1	CR	86	1.7	2,757	2,710	515	0	64	31	5	29	28	42	1	24	9	72	0.77	37.4																	
PP	1	GP	9		256	256	49	33	54	13		90	2		8	15	6	20	0.40	12.7																	
PP	1	CR	5	1.3	156	154	29		100					100		21	8	59	0.69	2.6																	
PP Totals			100	1.6	3,169	3,120	593	3	65	28	5	33	29	37	1	21	8	59	0.71	52.7																	
Totals				1.6	3,169	3,120	593	3	65	28	5	33	29	37	1	21	8	59	0.71	52.7																	

TC TSTATS				STATISTICS				PAGE	1																															
				PROJECT	LOAP 1	DATE 8/1/2016																																		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt																															
035	013	19	40455	VARI	119.00	25	164	1	E																															
				TREES	ESTIMATED	PERCENT																																		
				PER PLOT	TOTAL	SAMPLE																																		
					TREES	TREES																																		
PLOTS		TREES																																						
TOTAL	25	164	6.6																																					
CRUISE	10	71	7.1	3,299	2.2																																			
DBH COUNT																																								
REFOREST																																								
COUNT	13	93	7.2																																					
BLANKS	2																																							
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																														
PPINE	71	27.7	14.7	35	8.5	32.8	1,864	1,826	499	499																														
TOTAL	71	27.7	14.7	35	8.5	32.8	1,864	1,826	499	499																														
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																															
PPINE	108.1	12.8	94	107	121																																			
TOTAL	108.1	12.8	94	107	121						467	117	52																											
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	90.0	10.7	25	28	31																																			
TOTAL	90.0	10.7	25	28	31						323	81	36																											
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	75.0	15.3	23	28	32																																			
TOTAL	75.0	15.3	23	28	32						234	58	26																											
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	70.4	14.4	28	33	38																																			
TOTAL	70.4	14.4	28	33	38						206	52	23																											
CL:	68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	69.3	14.1	1,568	1,826	2,085																																			
TOTAL	69.3	14.1	1,568	1,826	2,085						200	50	22																											
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																															
PPINE	69.6	14.2	428	499	570																																			
TOTAL	69.6	14.2	428	499	570						201	50	22																											

TC TSTATS				STATISTICS				PAGE	1			
				PROJECT	LOAP 1			DATE	9/19/2016			
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt			
035	014	19	40452	VARI	71.00	38	246	1	E			
				TREES	ESTIMATED	PERCENT						
				PER PLOT	TOTAL	SAMPLE						
					TREES	TREES						
TOTAL			38	246	6.5							
CRUISE			19	136	7.2	4,229	3.2					
DBH COUNT												
REFOREST												
COUNT			18	109	6.1							
BLANKS			1									
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	
PPINE			136	59.6	14.5	37	18.0	68.7	4,938	4,876	1,193	1,193
TOTAL			136	59.6	14.5	37	18.0	68.7	4,938	4,876	1,193	1,193
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		
PPINE			98.0	8.4	118	129	140					
TOTAL			98.0	8.4	118	129	140	383	96	43		
CL:	68.1 %	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
PPINE			79.9	6.8	28	30	32					
TOTAL			79.9	6.8	28	30	32	255	64	28		
CL:	68.1 %	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
PPINE			59.4	9.6	54	60	65					
TOTAL			59.4	9.6	54	60	65	141	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		
PPINE			54.5	8.8	63	69	75					
TOTAL			54.5	8.8	63	69	75	119	30	13		
CL:	68.1 %	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.		
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15		
PPINE			59.8	9.7	4,403	4,876	5,348					
TOTAL			59.8	9.7	4,403	4,876	5,348	143	36	16		
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		
PPINE			57.4	9.3	1,082	1,193	1,304					
TOTAL			57.4	9.3	1,082	1,193	1,304	131	33	15		

TC TSTATS				STATISTICS				PAGE	1																															
				PROJECT	LOAP 1	DATE 9/19/2016																																		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt																															
035	013	19	40455	VARI	119.00	25	164	1	E																															
				TREES	ESTIMATED	PERCENT																																		
				PER PLOT	TOTAL	SAMPLE																																		
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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																														
PPINE	71	27.7	14.7	35	8.5	32.8	1,864	1,826	499	499																														
TOTAL	71	27.7	14.7	35	8.5	32.8	1,864	1,826	499	499																														
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																															
PPINE	108.1	12.8	94	107	121																																			
TOTAL	108.1	12.8	94	107	121						467	117	52																											
CL:	68.1 %	COEFF	SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	90.0	10.7	25	28	31																																			
TOTAL	90.0	10.7	25	28	31						323	81	36																											
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	75.0	15.3	23	28	32																																			
TOTAL	75.0	15.3	23	28	32						234	58	26																											
CL:	68.1 %	COEFF	BASAL AREA/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	70.4	14.4	28	33	38																																			
TOTAL	70.4	14.4	28	33	38						206	52	23																											
CL:	68.1 %	COEFF	NET BF/ACRE				# OF PLOTS REQ.		INF. POP.																															
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15																															
PPINE	69.3	14.1	1,568	1,826	2,085																																			
TOTAL	69.3	14.1	1,568	1,826	2,085						200	50	22																											
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																															
PPINE	69.6	14.2	428	499	570																																			
TOTAL	69.6	14.2	428	499	570						201	50	22																											

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	LOAP 1			DATE	9/19/2016	
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
035	014	19	40452	VARI	71.00	38	246	1	E	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
PLOTS		TREES								
TOTAL		38	246	6.5						
CRUISE		19	136	7.2		4,229		3.2		
DBH COUNT										
REFOREST										
COUNT		18	109	6.1						
BLANKS		1								
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
PPINE		136	59.6	14.5	37	18.0	68.7	4,938	4,876	1,193
TOTAL		136	59.6	14.5	37	18.0	68.7	4,938	4,876	1,193
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
PPINE		98.0	8.4	118	129	140				
TOTAL		98.0	8.4	118	129	140	383		96	43
CL:	68.1 %	COEFF		SAMPLE TREES - CF				# OF TREES REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15
PPINE		79.9	6.8	28	30	32				
TOTAL		79.9	6.8	28	30	32	255		64	28
CL:	68.1 %	COEFF		TREES/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15
PPINE		59.4	9.6	54	60	65				
TOTAL		59.4	9.6	54	60	65	141		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
PPINE		54.5	8.8	63	69	75				
TOTAL		54.5	8.8	63	69	75	119		30	13
CL:	68.1 %	COEFF		NET BF/ACRE				# OF PLOTS REQ.		INF. POP.
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5		10	15
PPINE		59.8	9.7	4,403	4,876	5,348				
TOTAL		59.8	9.7	4,403	4,876	5,348	143		36	16
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
PPINE		57.4	9.3	1,082	1,193	1,304				
TOTAL		57.4	9.3	1,082	1,193	1,304	131		33	15

TblSortGrade

Sort/Grade Table

Table Name: SUNPASS

Date: 09/19/2016

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	DEADPLP	G	3	0	0	10	99	0	0	M	0	0	0			0	0		0	
	9	UT	UTILITY	G	3	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	

Species Table Report

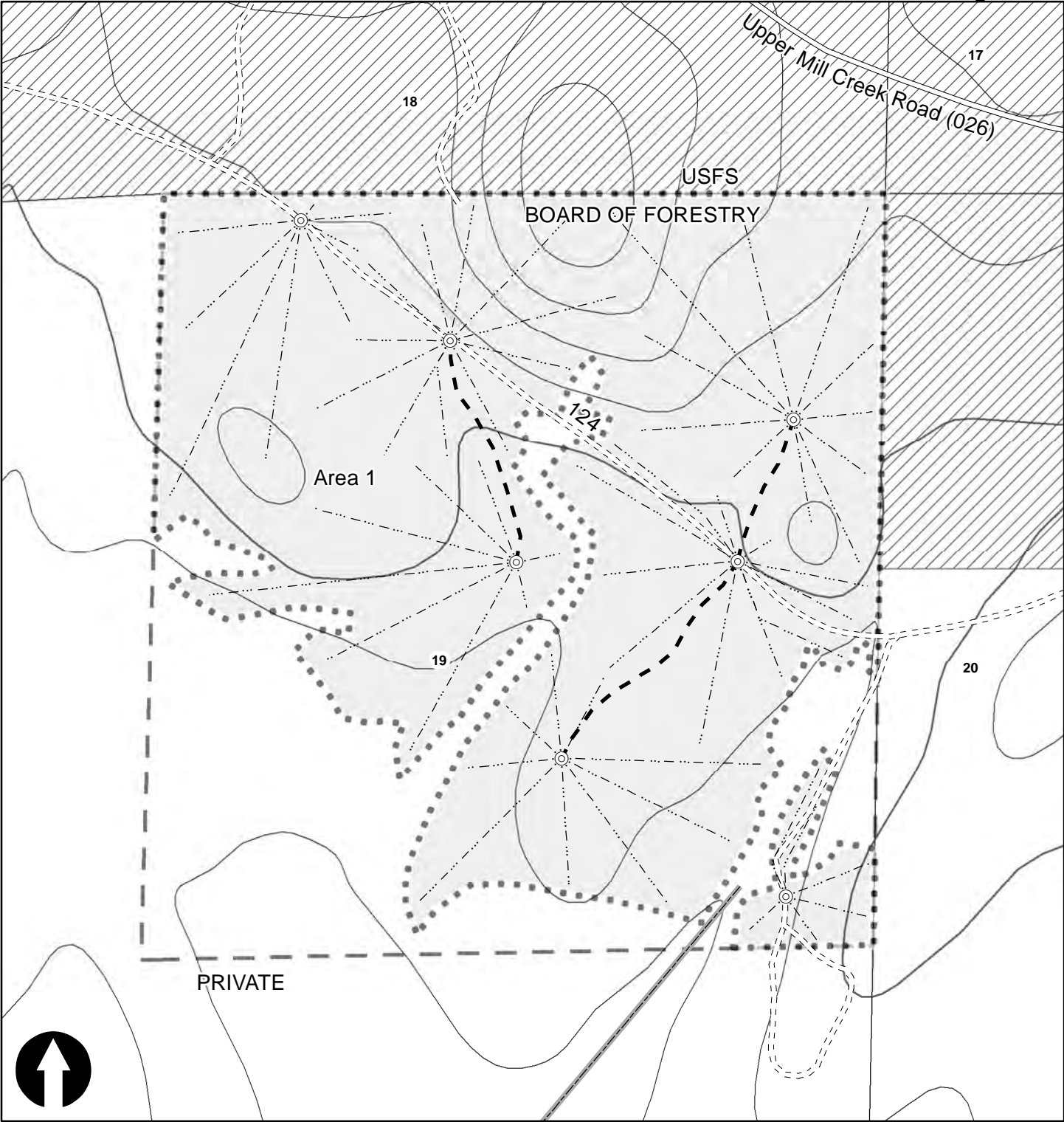
TblSpecies

Date: 09/19/2016

Page: 1

Table Name: SUNPASS

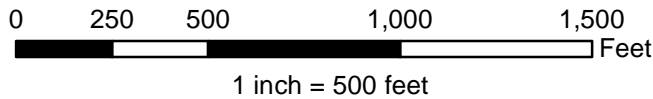
Code	Abrv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Comp- onent	Yield Table	Min Log Dia	Min Log Len	Max Log Len	Log Trim	Max Tree Dia	Max Tree Hgt.	BdFt Rule	CuFt Rule	Weight
1	PP	PPINE	.87	PP	.85	P	C	PP--EQUA--100	3	9	20	1.0	99	200	E	1	4800
2	WF	WHITE F	.94	NF	.87	W	C	DF--EQUA--050	3	9	20	1.0	99	200	E	1	5000
3	LP	LP PINE	.96	DF	.90	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	DF--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



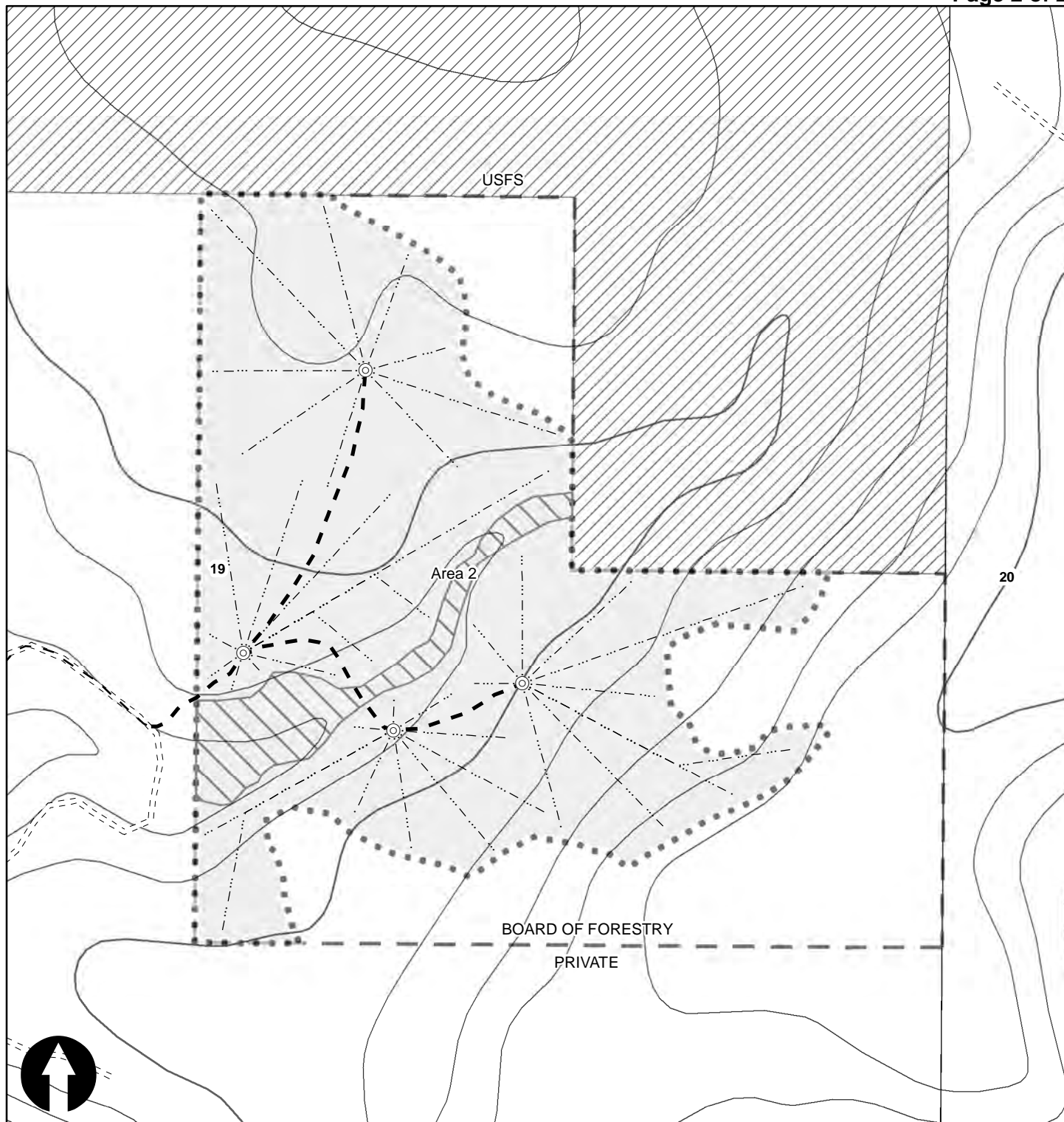
LOGGING PLAN

**OF TIMBER SALE CONTRACT NO. 341-17-55
LIVIN' ON A PRAYER**

**LOCATED IN PORTIONS OF SECTION 19,
T35S, R13E, AND PORTIONS OF SECTION 19, T35S,
R14E, WILLAMETTE MERIDAN, KLAMATH COUNTY,
OREGON**



	Timber Sale Boundary		All Weather Road
	Landings		Dirt Road
	Skid Trails		Road Construction
	Board of Forestry		Runway
	US Forest Service		



LOGGING PLAN

OF TIMBER SALE CONTRACT NO. 341-17-55
LIVIN' ON A PRAYER

LOCATED IN PORTIONS OF SECTIONS 19,
T35S, R13E, AND PORTIONS OF SECTION 19, T35S,
R14E, WILLAMETTE MERIDAN, KLAMATH COUNTY,
OREGON

0 250 500 1,000 1,500
Feet

1 inch = 500 feet

