

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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Sale KL-341-2017-55-

District: Klamath/Lake Date: November 09, 2016

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

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



Timber Sale Appraisal Livin On A Prayer

Sale KL-341-2017-55-

District: Klamath/Lake Date: November 09, 2016

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 PrayerTimber 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	Green Diamond Road Use Fee:	\$2,000.00
per Mbf	\$0.78	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:	\$422.00
	\$822.00
Total Cost:	\$822.00
Cost / Mbf:	\$1.60

Hauling							
F	PP	515	Average Load	4.0 MBF	No. of Loads	129	
					Total Loads	129	
				Assume:	4 Trucks/Day		
					2 Trips/Day		
					8 Loads per Day		

Other Costs Summary (Profit and F	Risk to be added in Appraisal)
\$404.22 Total Road Use Fees	\$0.78 per MBF
\$822.00 Total cost for Road Maintenance	\$1.60 per MBF
\$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

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 341-17-055

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

341-17-55

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

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		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 $(5.0" - 10.0" \, \text{DBH})$ 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.

	Fixed P	lot Cruise	Variable Plot Cruise	Combined Cruises				
Area	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	d 51 451		256	707	134			

TOTAL GREEN PULP VOLUME: 134 MBF

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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 T	otals			1.3	5,356	5,288	375	3	69	24	4	26	29	44	1	24	8	67	0.69	79.3

TC	Species, Sort Grade - Board Foot Volumes (Project)																					
T035 R013 S19 TyVARI 119.00 T035 R014 S19 TyVARI 71.00						Project:	:	LO	AP 1 190.	00							Page Date Time	9/	19/201 :03:0	-		
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PP	1	G	P	9		256	256		49	33	54	13		90	2		8	15	6	20	0.40	12.7
PP	1	C	R	5	1.3	156	154		29		100				100			21	8	59	0.69	2.6
PP	Totals	5		100	1.6	3,169	3,120		593	3	65	28	5	33	29	37	1	21	8	59	0.71	52.7
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CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD:	68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0	COEFF VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 70.4 COEFF VAR.%	OF 100 THE VO S.E.% 12.8 12.8 10.7 10.7 15.3 15.3 15.3 7 S.E.% 14.4 14.4 14.4 7 S.E.%	SAMPI LOW 94 94 SAMPI LOW 25 25 TREES LOW 23 23 BASAL LOW 28 28 NET BI LOW	E TREES - AVG 107 107 E TREES - AVG 28 28 ACRE AVG 28 28 AREA/ACE AVG 33 33 33 VACRE AVG	BF HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38 38	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 58	1 S S INF. POP. 1 S INF. P			
CL: SD: PPINE TOTA	68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0	TIMES OUT (COEFF VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 70.4 COEFF VAR.% 69.3	OF 100 THE VO S.E.% 12.8 12.8 10.7 10.7 10.7 15.3 15.3 15.3 S.E.% 14.4 14.4 14.4 14.4	SAMPI LOW 94 94 SAMPI LOW 25 25 TREES LOW 23 23 BASAL LOW 28 28 NET BI LOW 1,568	E TREES - AVG 107 107 E TREES - AVG 28 28 ACRE AVG 28 28 AREA/ACI AVG 33 33 7/ACRE AVG 1,826	BF HIGH 121 121 CF HIGH 31 31 HIGH 32 32 32 RE HIGH 38 38 HIGH 2,085	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ. 10	1 S S INF. POP. 1 S INF. P			
CL: SD: PPINE TOTA	68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0	TIMES OUT (COEFF VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 COEFF VAR.% 69.3 69.3	OF 100 THE VO 3 5 S.E.% 12.8 12.8 10.7 10.7 10.7 5 S.E.% 15.3 15.3 15.3 5 S.E.% 14.4 14.4 14.4 14.1	SAMPI LOW 94 94 94 SAMPI LOW 25 25 TREES LOW 23 23 BASAL LOW 28 28 NET BI LOW 1,568 1,568	E TREES - AVG 107 107 E TREES - AVG 28 28 ACRE AVG 28 28 AREA/ACE AVG 33 33 7/ACRE AVG 1,826 1,826	BF HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38 38 HIGH 2,085 2,085	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ. 10 52 EEQ. 10 50	1 INF. POP. 1 2 INF. POP. 1 1 2 INF. POP. 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
CL: SD: PPINE TOTA CL:	68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0	TIMES OUT COEFF VAR.% 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 COEFF VAR.% 69.3 69.3	OF 100 THE VO S.E.% 12.8 12.8 10.7 10.7 10.7 5 S.E.% 15.3 15.3 15.3 5 S.E.% 14.4 14.4 14.4	SAMPI LOW 94 94 94 SAMPI LOW 25 25 TREES LOW 23 23 BASAL LOW 28 28 NET BI LOW 1,568 1,568	E TREES - AVG 107 107 E TREES - AVG 28 28 ACRE AVG 28 28 AREA/ACE AVG 33 33 7/ACRE AVG 1,826 1,826	BF HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38 38 HIGH 2,085 2,085	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R 5 200 OF PLOTS R	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ. 10 50 EEQ.	1 INF. POP. 1 2 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP. 1			
CL: SD: PPINE TOTA	68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0 68.1 % 1.0	TIMES OUT (COEFF VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 COEFF VAR.% 69.3 69.3	OF 100 THE VO S.E.% 12.8 12.8 10.7 10.7 10.7 5 S.E.% 15.3 15.3 15.3 5 S.E.% 14.4 14.4 14.1 14.1	SAMPI LOW 94 94 94 SAMPI LOW 25 25 TREES LOW 23 23 BASAL LOW 28 28 NET BI LOW 1,568 1,568	E TREES - AVG 107 107 E TREES - AVG 28 28 ACRE AVG 28 28 AREA/ACE AVG 33 33 7/ACRE AVG 1,826 1,826	BF HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38 38 HIGH 2,085 2,085	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ. 10 52 EEQ. 10 50	1 S S INF. POP. 1 S S S S S S S S S S S S S S S S S S			

TC TSTATS	S		STATISTICS PAGE PROJECT LOAP 1 DATE											
ΓWP R	RGE	SECT 1	RACT		TYPE	ACR	RES	PLOTS	TREES	CuFt	BdFt			
035	014	19 4	0452		VARI		71.00	38	246	1	Е			
				Т	REES		STIMATED OTAL		ERCENT AMPLE					
		PLOTS	TREES	P	ER PLOT		TREES	TF	REES					
TOTAL		38	246		6.5									
CRUISE		19	136		7.2		4,229		3.2					
DBH COU	UNT													
REFORES	ST													
COUNT		18	109		6.1									
BLANKS	3	1												
100 %														
				STAN	D SUMM	ARY								
		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			
	68.1	TIMES OUT	OF 100 THE VO	LUME WILI	BE WITI	HIN THE SA	AMPLE ERRO	OR						
CL: 68	68.1 58.1 %	TIMES OUT		LUME WILI		TREES - I		-	OF TREES R	EQ.	INF. POP.			
0.				LO	SAMPLE			-	OF TREES R	REQ. 10				
SD: 1	58.1 %	COEFF VAR.% 98.0	S.E.% 8.4		SAMPLE W 118	TREES - 1 AVG 129	BF HIGH 140	-	5	10	1			
SD: 1 PPINE TOTAL	58.1 %	COEFF VAR.% 98.0 98.0	S.E.% 8.4 8.4		SAMPLE W	TREES - I	BF HIGH	-		-	1			
SD: 1 PPINE TOTAL	58.1 %	COEFF VAR.% 98.0	S.E.% 8.4 8.4		SAMPLE W 118 118	TREES - 1 AVG 129	BF HIGH 140 140	#	5	10 96	1			
SD: PPINE TOTAL CL: 65	58.1 %	COEFF VAR.% 98.0 98.0 COEFF VAR.%	S.E.% 8.4 8.4 S.E.%		SAMPLE W 118 118 SAMPLE W	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG	BF HIGH 140 140 CF HIGH	#	5 383	10 96	1 A INF. POP.			
SD: PPINE TOTAL CL: 60 SD: PPINE	58.1 % 1.0 58.1 %	COEFF VAR.% 98.0 98.0 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8	LO	SAMPLE W 118 118 SAMPLE W 28	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30	BF HIGH 140 140 CF HIGH	#	5 383 OF TREES R 5	10 96 REQ. 10	1 4 INF. POP.			
SD: PPINE TOTAL CL: 60 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9	S.E.% 8.4 8.4 S.E.% 6.8	LO	SAMPLE W 118 118 SAMPLE W	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG	BF HIGH 140 140 CF HIGH	#	5 383 OF TREES R	10 96 REQ.	1 4 INF. POP.			
SD: PPINE TOTAL CL: 60 SD: PPINE TOTAL	58.1 % 1.0 58.1 %	COEFF VAR.% 98.0 98.0 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8	LO	SAMPLE W 118 118 SAMPLE W 28	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30	BF HIGH 140 140 CF HIGH	#	5 383 OF TREES R 5	10 96 REQ. 10	1 4 INF. POP.			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD:	58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8 6.8	LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG	BF HIGH 140 140 CF HIGH 32 32	#	5 383 OF TREES R 5 255	10 96 REQ. 10	INF. POP. 2 INF. POP.			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD: PPINE	58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 COEFF VAR.% 59.4	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6	LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60	BF HIGH 140 140 CF HIGH 32 32 HIGH	#	5 383 OF TREES R 5 255 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10	1 4 INF. POP. 1 2 INF. POP. 1			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6	LO LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54	AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60	BF HIGH 140 140 CF HIGH 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10	1 4 INF. POP. 1 2 INF. POP. 1			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 CD: CL: 66 CD: CL: 66	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	LO	SAMPLE W 118 118 SAMPLE W 28 28 28 TREES/A W 54 54 54	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60	BF HIGH 140 140 CF HIGH 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R	10 96 EEQ. 10 64 EEQ. 10 35 EEQ.	1			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 CD: CL: 66 CD: CL: 66	58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	LO LO	SAMPLE W 118 118 SAMPLE W 28 28 28 TREES/A W 54 54 54	AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60	BF HIGH 140 140 CF HIGH 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10	1			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 66 SD:	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.%	LO	SAMPLE W 118 118 SAMPLE W 28 28 28 TREES/A W 54 54 54 W BASAL A	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG	BF HIGH 140 140 CF HIGH 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R	10 96 EEQ. 10 64 EEQ. 10 35 EEQ.	1 A INF. POP. 1 INF. POP. 1 INF. POP. 1			
SD: PPINE TOTAL CL: 68 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8	LO	SAMPLE W 118 SAMPLE W 28 28 TREES/A W 54 54 BASAL A W 63	AVG 129 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG 69 69	BF HIGH 140 140 CCF HIGH 32 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10 35 REQ. 10 35	1			
SD: PPINE TOTAL CL: 68 CD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 59.4 COEFF VAR.% 54.5 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8	LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54 54 54 BASAL A W 63 63	AVG 129 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG 69 69	BF HIGH 140 140 CCF HIGH 32 32 32 HIGH 65 65	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10 35 REQ. 10 35	1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP. 1			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 54.5 COEFF VAR.% 59.8	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8 S.E.% 9.7	LO LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54 54 54 SAMPLE W 63 63 63 NET BF/A W 1,403	AVG AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG 69 69 ACRE AVG 4,876	BF HIGH 140 140 CCF HIGH 32 32 HIGH 65 65 CE HIGH 75 75 HIGH 5,348	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5 119 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10 35 REQ. 10 30 REQ. 10	1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP.			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 59.4 COEFF VAR.% 54.5 COEFF VAR.%	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8	LO LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54 54 54 BASAL A W 63 63 NET BF/	2 TREES - 1 AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG 69 69 ACRE AVG	BF HIGH 140 140 CCF HIGH 32 32 HIGH 65 65 CE HIGH 75 75 HIGH	#	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5 119 OF PLOTS R	10 96 EEQ. 10 64 EEQ. 10 35 EEQ. 10 30 EEQ.	1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP.			
SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 54.5 COEFF VAR.% 59.8	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8 S.E.% 9.7 9.7	LO LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54 54 63 63 NET BF/A W 4,403	AVG AVG 129 129 2 TREES - 0 AVG 30 30 ACRE AVG 60 60 AREA/ACR AVG 69 69 ACRE AVG 4,876	BF HIGH 140 140 140 CF HIGH 32 32 HIGH 65 65 EE HIGH 75 75 HIGH 5,348 5,348	# #	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5 119 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10 35 REQ. 10 30 REQ. 10 30 REQ. 10 36	1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP. 1 INF. POP.			
SD: PPINE TOTAL CL: 63 SD: PPINE TOTAL CL: 65 SD: PPINE TOTAL CL: 66 SD: PPINE TOTAL CL: 67 SD: PPINE TOTAL CL: 68 PPINE TOTAL CL:	58.1 % 1.0 58.1 % 1.0 58.1 % 1.0 58.1 % 1.0	COEFF VAR.% 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 59.4 COEFF VAR.% 54.5 54.5 COEFF VAR.% 59.8	S.E.% 8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8 S.E.% 9.7 9.7	LO LO LO LO LO	SAMPLE W 118 118 SAMPLE W 28 28 TREES/A W 54 54 63 63 NET BF/A W 1,403 ,403	ACRE AVG 69 69 ACRE AVG 4,876 4,876	BF HIGH 140 140 140 CF HIGH 32 32 HIGH 65 65 EE HIGH 75 75 HIGH 5,348 5,348	# #	5 383 OF TREES R 5 255 OF PLOTS R 5 141 OF PLOTS R 5 119 OF PLOTS R 5	10 96 REQ. 10 64 REQ. 10 35 REQ. 10 30 REQ. 10 30 REQ. 10 36	1			

IC 131A	TS		STATISTICS PROJECT LOAP 1											
ГWР	RGE	SECT T	RACT		ТҮРЕ	ACF	RES	PLOTS	TREES	CuFt	BdFt			
035	013	19 4	0455		VARI		119.00	25	164	1	Е			
				Т	TREES		ESTIMATED TOTAL		ERCENT AMPLE					
		PLOTS	TREES	F	PER PLOT		TREES	TI	REES					
TOTAL	L	25	164		6.6									
CRUIS	E	10	71		7.1		3,299		2.2					
DBH C	COUNT													
REFOR	REST													
COUN	T	13	93		7.2									
BLAN	KS	2												
100 %														
				STAN	D SUMM	ARY								
		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			
TOTA	L	71	27.7	14.7	35	8.5	32.8	1,864	1,826	499	499			
CL:	68.1 %	COEFF			SAMPLE	TREES - 1	BF	#	OF TREES R	EQ.	INF. POP.			
SD:	1.0	COEFF VAR.%	S.E.%	LO)W	AVG	B F HIGH	#	OF TREES R	EQ.				
SD:	1.0	VAR.% 108.1	S.E.% 12.8	LO	94	AVG 107	HIGH 121	#	5	10	1			
SD: PPINE TOTA	1.0	VAR.% 108.1 108.1	S.E.% 12.8 12.8	LO)W	AVG	HIGH	#		-	1			
SD:	1.0	VAR.% 108.1	S.E.% 12.8 12.8	LO	94 94 94	AVG 107	HIGH 121 121		5	10	1			
SD: PPINE TOTA CL: SD:	1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.%	S.E.% 12.8 12.8 S.E.%	LO	94 94 94 SAMPLE	AVG 107 107 E TREES - 0 AVG	HIGH 121 121 CF HIGH		5 467	10	INF. POP.			
SD: PPINE TOTA CL: SD: PPINE	1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.% 90.0	S.E.% 12.8 12.8 S.E.% 10.7		94 94 94 SAMPLE DW 25	AVG 107 107 E TREES - 0 AVG 28	HIGH 121 121 CF HIGH 31		5 467 OF TREES R 5	10 117 EEQ. 10	1 5 INF. POP.			
SD: PPINE TOTA CL: SD:	1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.%	S.E.% 12.8 12.8 S.E.%		94 94 94 SAMPLE	AVG 107 107 E TREES - 0 AVG	HIGH 121 121 CF HIGH		5 467 OF TREES R	10 117 EEQ.	5 INF. POP.			
SD: PPINE TOTA CL: SD: PPINE	1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.% 90.0	S.E.% 12.8 12.8 S.E.% 10.7 10.7		94 94 94 SAMPLE DW 25	AVG 107 107 E TREES - 0 AVG 28 28	HIGH 121 121 CF HIGH 31	#	5 467 OF TREES R 5	10 117 EEQ. 10 81	1 5 INF. POP.			
SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD:	1.0 L 68.1 % 1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.%	S.E.% 12.8 12.8 12.8 S.E.% 10.7 10.7		94 94 94 SAMPLE DW 25 25 TREES/A	AVG 107 107 2 TREES - 0 AVG 28 28 28 ACRE AVG	HIGH 121 121 CF HIGH 31 31	#	5 467 OF TREES R 5 323	10 117 EEQ. 10 81	INF. POP. 3 INF. POP.			
SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE	1.0 L 68.1 % 1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0	S.E.% 12.8 12.8 12.8 S.E.% 10.7 10.7 10.7	LO	94 94 94 SAMPLE DW 25 25 TREES/A	AVG 107 107 2 TREES - 6 AVG 28 28 ACRE AVG 28	HIGH 121 121 CF HIGH 31 31 HIGH 32	#	5 467 OF TREES R 5 323 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10	1 55 INF. POP. 1 3 INF. POP. 1			
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SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL:	1.0 L 68.1 % 1.0 L 68.1 % 1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4	S.E.% 12.8 12.8 12.8 S.E.% 10.7 10.7 S.E.% 15.3 15.3 S.E.% 14.4	LO	94 94 94 SAMPLE DW 25 25 TREES/A DW 23 23 BASAL A	AVG 107 107 2 TREES - 0 AVG 28 28 ACRE AVG 28 28 AREA/ACR AVG 33	HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10	1 S INF. POP. 1 S INF. POP. 1 INF. POP. 1			
SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD:	1.0 L 68.1 % 1.0 L 68.1 % 1.0 L 68.1 % 1.0	VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 75.0 COEFF VAR.% 70.4	S.E.% 12.8 12.8 S.E.% 10.7 10.7 S.E.% 15.3 15.3 S.E.% 14.4 14.4	LO	94 94 94 SAMPLE DW 25 25 TREES/A DW 23 23 23 BASAL A	AVG 107 107 2 TREES - 0 AVG 28 28 ACRE AVG 28 28 AREA/ACR AVG 33 33	HIGH 121 121 CF HIGH 31 31 HIGH 32 32 32 RE HIGH	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 58	1 S S INF. POP. 1 S S INF. POP. 1 S S INF. POP. 1 S S S S S S S S S S S S S S S S S S			
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SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD:	1.0 L 68.1 % 1.0 L 68.1 % 1.0 L 68.1 % 1.0 L	VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 70.4 COEFF	S.E.% 12.8 12.8 12.8 S.E.% 10.7 10.7 S.E.% 15.3 15.3 S.E.% 14.4 14.4	LO	94 94 94 SAMPLE OW 25 25 TREES/A OW 23 23 23 BASAL A OW 28 28 NET BF/A	AVG 107 107 2 TREES - 0 AVG 28 28 ACRE AVG 28 28 AREA/ACR AVG 33 33 ACRE	HIGH 121 121 CF HIGH 31 31 HIGH 32 32 32 RE HIGH 38 38	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ.	5 INF. POP. 1 INF. POP. 2 INF. POP. 1 INF. POP.			
SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA	1.0 L 68.1 % 1.0 L 68.1 % 1.0 L 68.1 % 1.0 L	VAR.% 108.1 108.1 108.1 COEFF VAR.% 90.0 90.0 COEFF VAR.% 75.0 COEFF VAR.% 70.4 70.4 COEFF VAR.% 69.3	S.E.% 12.8 12.8 12.8 S.E.% 10.7 10.7 S.E.% 15.3 15.3 S.E.% 14.4 14.4 S.E.% 14.1 14.1	LO	94 94 94 94 SAMPLE DW 25 25 TREES/A DW 23 23 BASAL A DW 28 28 NET BF/A DW 1,568	AVG 107 107 2 TREES - 0 AVG 28 28 ACRE AVG 28 28 AREA/ACR AVG 33 33 ACRE AVG 1,826 1,826	HIGH 121 121 CF HIGH 31 31 HIGH 32 32 RE HIGH 38 38 HIGH 2,085 2,085	#	5 467 OF TREES R 5 323 OF PLOTS R 5 234 OF PLOTS R 5 206 OF PLOTS R 5	10 117 EEQ. 10 81 EEQ. 10 58 EEQ. 10 52 EEQ. 10 50	1 S S INF. POP. 1 S S INF. POP. 1 S S S S S S S S S S S S S S S S S S			
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	ATS		PAGE 1 DATE 9/19/2016							
TWP	RGE	SECT T	RACT	PROJ TYPE		LOAP 1 RES	PLOTS	TREES	CuFt	BdFt
035	014	19 4	0452	VARI	[71.00	38	246	1	Е
				TREES		ESTIMATED FOTAL		RCENT MPLE		
		PLOTS	TREES	PER PLO	T	TREES	TR	REES		
TOTA	AL	38	246	6.5						
CRUI		19	136	7.2		4,229		3.2		
DBH (COUNT									
REFO	REST									
COUN	NT	18	109	6.1						
BLAN	NKS	1								
100 %										
				STAND SUM	IMARY					
		SAMPLE	TREES	AVG BOLE	REL	BASAL	GROSS	NET	GROSS	NET
		TREES	/ACRE	DBH LEN		AREA	BF/AC	BF/AC	CF/AC	CF/AC
PPINE	E	136	59.6	14.5 3	7 18.0	68.7	4,938	4,876	1,193	1,193
TOTA	AL	136	59.6	14.5 3	7 18.0	68.7	4,938	4,876	1,193	1,193
CL:	68.1 %	COEFF		SAMP	PLE TREES -	BF	# (OF TREES R	EQ.	INF. POP.
CL.	08.1 70	COLIT		SAMP	PLE TREES -	BF	# (OF TREES R	EQ.	INF. POP.
SD:	1.0	VAR %	SE%	LOW	AVG	HIGH		5	10	15
SD:	1.0 E	VAR.% 98.0	S.E.% 8.4	LOW 118	AVG 129	HIGH 140		5	10	15
	E							5 383	10 96	15 43
PPINE	E	98.0	8.4 8.4	118 118	129	140 140	# (96	
PPINE TOTA	E AL	98.0 98.0	8.4 8.4	118 118	129 129	140 140	# (383	96	43
PPINE TOTA	E AL 68.1 % 1.0	98.0 98.0 COEFF	8.4 8.4	118 118 SAMP	129 129 PLE TREES -	140 140 CF	# (383 OF TREES R	96 EQ.	43 INF. POP.
PPINE TOTA CL: SD:	68.1 % 1.0	98.0 98. <i>0</i> COEFF VAR.%	8.4 8.4 S.E.%	118 118 SAMP LOW	129 <i>129</i> PLE TREES - AVG	140 140 CF HIGH	# (383 OF TREES R	96 EQ.	43 INF. POP.
PPINE TOTA CL: SD: PPINE	68.1 % 1.0	98.0 98.0 COEFF VAR.% 79.9	8.4 8.4 S.E.% 6.8 6.8	118 118 SAMP LOW 28 28	129 129 PLE TREES - AVG 30 30	140 140 CF HIGH 32		383 OF TREES R 5 255	96 EQ. 10	43 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA	68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9	8.4 8.4 S.E.% 6.8 6.8	118 118 SAMP LOW 28 28	129 129 PLE TREES - AVG 30	140 140 CF HIGH 32		383 OF TREES R 5	96 EQ. 10	43 INF. POP. 15
PPINE TOTA CL: SD: PPINE TOTA CL:	E 68.1 % 1.0 E 68.1 % 1.0	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF	8.4 8.4 S.E.% 6.8 6.8	118 118 SAMP LOW 28 28 28	129 129 PLE TREES - AVG 30 30	140 140 CF HIGH 32 32		383 DF TREES R 5 255 DF PLOTS R	96 EQ. 10 64	43 INF. POP. 15 28 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD:	E 68.1 % 1.0 E 68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.%	8.4 8.4 S.E.% 6.8 6.8 S.E.%	118 118 SAMP LOW 28 28 28 TREE LOW	129 129 PLE TREES - AVG 30 30 SS/ACRE AVG	140 140 CF HIGH 32 32 32		383 DF TREES R 5 255 DF PLOTS R	96 EQ. 10 64	43 INF. POP. 15 28 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE	E 68.1 % 1.0 E 68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4	8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	118 118 SAMP LOW 28 28 28 TREE LOW 54	129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60	140 140 CF HIGH 32 32 32 HIGH 65 65	#(383 DF TREES R 5 255 DF PLOTS R 5	96 EQ. 10 64 EQ. 10 35	43 INF. POP. 15 28 INF. POP. 15
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA	68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4	8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	118 118 SAMP LOW 28 28 28 TREE LOW 54	129 129 PLE TREES - AVG 30 30 30 S/ACRE AVG 60	140 140 CF HIGH 32 32 32 HIGH 65 65	#(383 DF TREES R 5 255 DF PLOTS R 5	96 EQ. 10 64 EQ. 10 35	43 INF. POP. 15 28 INF. POP. 15
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL:	68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E AL 1.0	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF	8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	118 118 SAMP LOW 28 28 28 TREE LOW 54 54 BASA	129 129 PLE TREES - AVG 30 30 30 S/ACRE AVG 60 60	140 140 CF HIGH 32 32 65 65	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R	96 EQ. 10 64 EQ. 10 35 EQ.	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PSD: PSD: SD:	68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.%	8.4 8.4 S.E.% 6.8 6.8 S.E.% 9.6 9.6	118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 54 BASA LOW	129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACH AVG	140 140 CF HIGH 32 32 65 65 RE HIGH	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R	96 EQ. 10 64 EQ. 10 35 EQ.	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA	68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5	S.E.% 6.8 6.8 S.E.% 9.6 9.6 S.E.% 8.8	118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 54 63 63	129 129 PLE TREES - AVG 30 30 30 S/ACRE AVG 60 60 L AREA/ACE AVG 69	140 140 CF HIGH 32 32 HIGH 65 65 RE HIGH 75	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5	96 EQ. 10 64 EQ. 10 35 EQ. 10 37 38 30	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA	68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0 E AL 68.1 % 1.0	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5	8.4 8.4 S.E.% 6.8 S.E.% 9.6 9.6 S.E.% 8.8	118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 54 63 63	129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACE AVG 69 69	140 140 CF HIGH 32 32 HIGH 65 65 RE HIGH 75	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5	96 EQ. 10 64 EQ. 10 35 EQ. 10 37 38 30	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: CL:	68.1 % 1.0 E AL 1.0	98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 54.5 COEFF	8.4 8.4 S.E.% 6.8 S.E.% 9.6 9.6 S.E.% 8.8	118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 63 63 NET F	129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACE AVG 69 69	140 140 CF HIGH 32 32 65 65 RE HIGH 75 75	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5 119 DF PLOTS R	96 EQ. 10 64 EQ. 10 35 EQ. 10 36 EQ. 10	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD:	E 68.1 % 1.0 E	98.0 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 COEFF VAR.%	8.4 8.4 S.E.% 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8	118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 63 63 63 NET F LOW	129 129 129 PLE TREES - AVG 30 30 SS/ACRE AVG 60 60 L AREA/ACH AVG 69 69 BF/ACRE AVG	140 140 CF HIGH 32 32 32 HIGH 65 65 RE HIGH 75 75 HIGH	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5 119 DF PLOTS R	96 EQ. 10 64 EQ. 10 35 EQ. 10 36 EQ. 10	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA	E 68.1 % 1.0 E	98.0 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 COEFF VAR.% 59.8	S.E.% S.E.% S.E.% 9.6 9.6 S.E.% S.E.% 9.7 9.7	118 118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 63 63 NET F LOW 4,403 4,403	129 129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACE AVG 69 69 69 69 4,876 4,876	140 140 140 CF HIGH 32 32 32 HIGH 65 65 RE HIGH 75 75 HIGH 5,348 5,348	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5 119 DF PLOTS R 5	96 EQ. 10 64 EQ. 10 35 EQ. 10 30 EQ. 10 30 EQ. 10 36	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13 INF. POP.
PPINE TOTA CL: SD: PPINE TOTA	68.1 % 1.0 E AL	98.0 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 54.5 COEFF VAR.% 59.8 59.8	8.4 8.4 S.E.% 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8	118 118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 63 63 NET F LOW 4,403 4,403	129 129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACH AVG 69 69 8F/ACRE AVG 4,876	140 140 140 CF HIGH 32 32 32 HIGH 65 65 RE HIGH 75 75 HIGH 5,348 5,348	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5 119 DF PLOTS R 5 143	96 EQ. 10 64 EQ. 10 35 EQ. 10 30 EQ. 10 30 EQ. 10 36	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13 INF. POP. 15 16
PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: SD: PPINE TOTA CL: CL: CL: CL: CL: CL: CL: CL: CL: CL	68.1 % 1.0 E AL 68.1 % 1.0	98.0 98.0 98.0 COEFF VAR.% 79.9 79.9 COEFF VAR.% 59.4 COEFF VAR.% 54.5 54.5 COEFF VAR.% 59.8 59.8 COEFF	8.4 8.4 S.E.% 6.8 S.E.% 9.6 9.6 S.E.% 8.8 8.8	118 118 118 118 SAMP LOW 28 28 28 TREE LOW 54 54 63 63 NET F LOW 4,403 4,403 NET O	129 129 PLE TREES - AVG 30 30 30 SS/ACRE AVG 60 60 L AREA/ACE AVG 69 69 69 8F/ACRE AVG 4,876 4,876	140 140 140 CF HIGH 32 32 32 HIGH 65 65 RE HIGH 75 75 HIGH 5,348 5,348 RE	#(383 DF TREES R 5 255 DF PLOTS R 5 141 DF PLOTS R 5 119 DF PLOTS R 5 143 DF PLOTS R	96 EQ. 10 64 EQ. 10 35 EQ. 10 30 EQ. 10 36 EQ. 10	43 INF. POP. 15 28 INF. POP. 15 16 INF. POP. 15 13 INF. POP. 15 16 INF. POP.

TblSortGrade

Sort/Grade Table

Table Name: SUNPASS **Date:** 09/19/2016

Sort	Grd	Abr	Desc	Fbr		Max Dia	Max B Butt		Max Len	Defect	Min Vol	Vol Type	Min Rings	Knot S Size	Knot Freq	Str S	Min Sap Age		Lbs os Type	Cords	Cords Type
	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	
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

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Table Name: SUNPASS

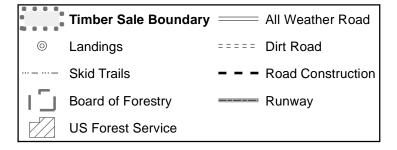
			Bark	ASubo	Form	Wood	Comp-		Min Log	Min Log	Max Log	Log	Max Tree	Max Tree	BdFt	CuFt	
Code	Abrv	Description	Ratio	Const	Factor	Type	onent	Yield Table	Dia	Len	Len	Trim	Dia	Hgt.	Rule	Rule	Weight
1	PP	PPINE	.87	PP	.85	P	C	PPEQUA100	3	9	20	1.0	99	200	Е	1	4800
2	WF	WHITE F	.94	NF	.87	W	C	DFEQUA050	3	9	20	1.0	99	200	E	1	5000
3	LP	LP PINE	.96	DF	.90	P	C	LPEQUA100	3	9	20	1.0	99	200	E	1	4800
4	DF	DOUG-FIR	.92	DF	.87	D	C	DFEQUA050	3	9	20	1.0	99	200	E	1	5700
5	SP	SUG PINE	.87	PP	.84	P	C	DFEQUA100	3	9	20	1.0	99	200	E	1	4800
6	IC	INC CED	.90	SS	.80	C	C	DFEQUA050	3	9	20	1.0	99	200	E	1	4500
7	DE	CH EID	024	DE	80	VX.	C	DE EQUA 050	2	0	20	1.0	00	200	E	1	5000

Page 1 of 2 Vooer Mill Creek Road (026) USFS BOARD OF FORESTRY Area 1 PRIVATE

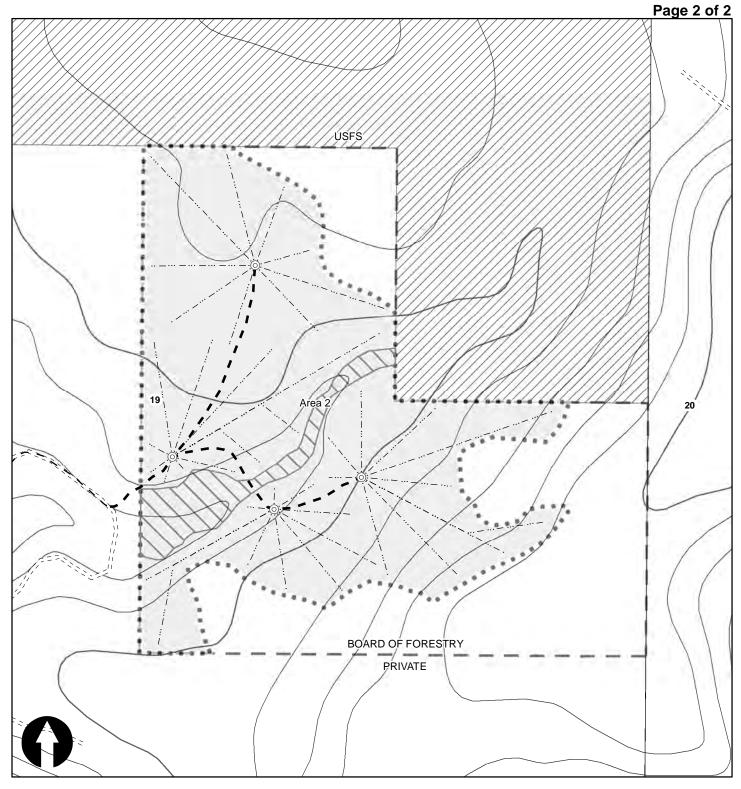
LOGGING PLAN

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





1 inch = 500 feet



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



