

## **District: Klamath/Lake**

## Date: September 11, 2018

## **Cost Summary**

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$566,693.96	\$0.00	\$566,693.96
		Project Work:	(\$26,075.04)
		Advertised Value:	\$540,618.92



## **District: Klamath/Lake**

## Date: September 11, 2018

## **Timber Description**

Location: Township 32S, Range 7½E, Portions of Sections 19, 20, 29, 30, and 32, Willamette Meridian, Klamath County, OR.

#### Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
White Fir	14	0	98
Ponderosa Pine	23	0	96

Volume by Grade	2S	3S & 4S 6"- 11"	6" - 11"	12"-15"	16"+	Total
White Fir	53	21	0	0	0	74
Ponderosa Pine	0	0	800	897	2,164	3,861
Total	53	21	800	897	2,164	3,935

Comments: Pond Values Used: Local Pond Values, June 2018.

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: 10 miles x \$211 per mile = \$2,610.00 Total Road Maintenance: \$2,610.00, \$0.66 per Mbf



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Logging Conditions			
Combination#: 1	White Fir Ponderosa Pine	100.00% 12.00%	
Logging System: yarding distance: tree size:	Wheel Skidder Medium (800 ft) Small / Thinning 10in (90 Bft/tree), 18	Process: Feller Buncher downhill yarding: Yes -20 logs/MBF	
loads / day: cost / mbf: machines:	10 \$105.46 Log Loader (B) Stroke Delimber (B) Feller Buncher w/ Delimber Tire Skidder	<b>bd. ft / load:</b> 3600	
Combination#: 2	Ponderosa Pine	88.00%	
Logging System: yarding distance: tree size:	Track Skidder Medium (800 ft) Mature Private Forest / Regen Cut (25	<b>Process:</b> Manual Falling/Delimbing <b>downhill yarding:</b> Yes 50 Bft/tree), 6-11 logs/MBF	
loads / day: cost / mbf: machines:	10 \$116.07 Log Loader (B) Track Skidder	<b>bd. ft / load:</b> 3800	



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## Date: September 11, 2018

	Logging Costs	
Operating Seasons: 1.00	Profit Risk: 10%	
Project Costs: \$26,075.04	Other Costs (P/R): \$0.00	
Slash Disposal: \$0.00	Other Costs: \$0.00	

Miles of Road		Road Maintenance: \$	0.66
Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

## Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
White Fir	\$0.00	2.0	3.7
Ponderosa Pine	\$0.00	3.0	3.8



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## Date: September 11, 2018

## Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
White Fir									
\$105.46	\$0.67	\$1.12	\$130.95	\$0.00	\$23.82	\$0.00	\$2.00	\$0.00	\$264.02
Ponderosa	a Pine								
\$114.80	\$0.69	\$1.12	\$86.66	\$0.00	\$20.33	\$0.00	\$2.00	\$0.00	\$225.60

Specie	Amortization	Pond Value	Stumpage	Amortized
White Fir	\$0.00	\$509.97	\$245.95	\$0.00
Ponderosa Pine	\$0.00	\$367.66	\$142.06	\$0.00



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Amortized

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

Unamortized

Specie	MBF	Value	Total
White Fir	74	\$245.95	\$18,200.30
Ponderosa Pine	3,861	\$142.06	\$548,493.66

	<u>Gross Timb</u>	er Sale Value
	Recovery:	\$566,693.96
Prepared By:	Chris Weekly	<b>Phone:</b> 541-883-5681

# Final Straw KL-341-2019-W00511-01

# Other Costs

	Ro	ad Maintenance
Move-in cost (grader):	\$500.00	
Number of Miles to be Bladed:	5.0	
Number of Bladings:	2	
Total Miles	10.0	
Miles / Hour for equipment:	0.5	
Cost / Hour (grader with operator):	\$105.50	
Total Grading Hours:	20	
Grading Cost:	\$2,110.00	
	\$2,610.00	
 Total Cost:	\$2,610.00	
Cost / Mbf:	\$0.66	

# Final Straw KL-341-2019-W00511-01

# Project Costs

			Proje	ect #1 Dust Abat	ement			
РР	3860	Mbf	98.1%	Average Load	3.7	Mbf	No. of Loads	1043
WF	74 [	Mbf	1.9%	Average Load	3.8	Mbf	No. of Loads	19
Total:	3934	Mbf				-	Total Loads	1062
Assume:	6 1	Frucks/Day						
	2 1	Frips/Day			89	Days of Dus	t Abatement	
-	12	oads per Da	ay		1.5	Hours/Day	,	
-	89 I	-lauling Day	s		\$88.00	Cost/Hour		
					133	Total Hour	S	
					\$200.00	Move in for	Water Truck	
					\$11,887.21	Dust Abater	nent Cost	
					\$11,887.21	Total Cost		
					\$3.02	Cost/Mbf		
			Projec	t #2 Road Impro	ovement			
			4					
	Move in (	Cost Dozer:	Ş500.00					
Improvemen	<b>h</b> t							
mprovemer		Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost	
Onen/Clea	r/Shane	A to B	2646	1000	26	\$132.50	\$350.60	
Open/Clea	ar/Shane	CtoD	574	1000	2.0	\$132.50	\$76.06	
Open/Clea	ar/Shane	E to G	2578	1000	2.6	\$132.50	\$341 59	
Open/Clea	ar/Shane	E to H	881	1000	0.9	\$132.50	\$116.73	
Open/Clea	ar/Shane	Itol	1941	1000	1 9	\$132.50	\$257.18	
open/elee	ary shupe	Total	8620	1000	Total	Ŷ102.00	\$1 142 15	
		Total	0020		Total		<i><i><i>YIJIIZIJ</i></i></i>	
Grub and Sca	atter design	ated stump	s on 3 Road					
	•	•						
Equipment:	\$132.50 p	per hour	12	Hours	Total	\$1,590.00		
			Р	roject #2 Summ	ary			
		Fai	linment Costs	\$500 O	า			
		Impro	wement Costs	\$1 142 1	5			
		pro	ruhhing Costs	\$1 590 00	ָ ר			
		Pro	piect #1 Total	\$3,232.1	<u>-</u> 5			
				¢0,232.1	- 			
			hei mpr	۵۵.۵۷	<u>-</u>			

# Final Straw KL-341-2019-W00511-01

# Project Costs

	Project	#3 Slash and Brush	h Piling	
		Landing Piling		
Number of	Landings: 10			
				4
Shovel Time:	1 Hour per Landing	Cost per Hour:	\$125.00 Total Cost	\$1,250.00
Cat Time:	1 Hour per Landing	Cost per Hour:	\$132.50 Total Cost	\$1,325.00
		Tatal	¢3 575 00	
			\$2,575.00	
		per MBF	\$0.65	
		Lipit Dilipa		
		Unit Philing		
	Fauinment Move In	\$500.00		
		\$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	\$0.78		
	P	Project #3 Summar	/	
	Landing Piling	\$2,575.00		
	Unit Piling	\$3,050.00		
	Total Cost	\$5,625.00		
	per Mbf	\$1.43		

# Final Straw KL-341-2019-W00511-01 *Project Costs*

Project #4 Spot Rocking

Spot Rockir	ng - Delivered	Rock Spreading	(Grader)
			Total Grader
3/4 -	Rock Size	8	Hours
180	Cubic Yards	\$105.50	Cost per Hour
1.5	Tons per Cubic Yard	\$844.00	Total
270	Tons		
			Total Water
\$14.00	cost per ton (delivered)	8	Truck Hours
\$3,780.00	Total	\$88.00	Cost per Hour
\$0.96	per MBF	\$704.00	Total
			Total Rock
		\$1,548.00	Spreading
	-	\$0.39	per MBF
	Project #4 Summary	/	
Tot	tal cost Rock \$3,780.00		
Total cost S	preading <u>\$1,548.00</u>		
	Total \$5,328.00		
	per MBF \$1.35		
	Cost Summary All Proj	acto	
	Cost Summary An Proje	2015	
	Proiect No. 1 - Dust Abatement	\$11.887.21	
	Project No. 2 - Road Improvement	\$3,232.15	
	Project No. 3 - Slash and Brush Piling	\$5.625.00	
	Project No. 4 - Spot Rocking	\$5,328.00	
	Total Cost	\$26,072.36	

per Mbf \$6.63

# Summary of Project Work



"STEWARDSHIP IN FORESTRY

## Final Straw KL-341-2019-W00511-01

Project No. 1:	Dust Abatement	\$11,889.89
Project No. 2:	Road Improvement	\$1,642.15
Project No. 3:	Slash and Brush Piling	\$3,050.00
Project No. 4:	Spot Rocking	\$5,328.00

Total: \$21,910.04

## OREGON DEPARTMENT OF FORESTRY (Klamath-Lake District) STREAM PROTECTION WRITTEN PLAN FORM

A Written Plan is to contain complete, detailed information describing HOW your operation will meet the required standards for resource protection prescribed in the Forest Practices Rules. This form is intended to be a helpful tool guiding you through the necessary information addressing the protection of **STREAMS** (OAR 629-635-0000 through 629-660-0060). Please attach additional comments on a separate piece of paper if this form does not provide enough space.

#### LANDOWNER NAME & MAILING ADDRESS:

Oregon [	Department Forestry	Telephone	: <u>541-883-5681</u>	
3200 Dela	ap Road			
Klamath	Falls, OR 97601			
OPERAT	OR NAME & MAILING ADDRESS:			
		Telep	ohone:	
	WRITTEN PLAN SUBMI	ITED BY:	Chris Weekly (Print Name)	
			(Signature)	(Date)
LEGAL D	ESCRIPTION: <u>Sections 19, 20, 29, 3</u> (Township, Range, & Sec	<b>30 and 32, T32S</b> ction)	S, R7½E, W.M.	
NOTIFICA	TION NUMBER:			
	FOR ADMI	NISTRATIVE	USE ONLY	
	DATE RECEIVED		<u> </u>	
	SUBJECT TO 14-DAY COMMENT PE	RIOD	YES NO	
	WERE SUBSCRIBER COMMENTS R	ECEIVED	YES	NO
	COPIES SENT TO:			

The following Written Plan addresses how the operation will be conducted within the Riparian Management Area (RMA) along each side of the stream. The RMA extends the specified distance (generally slope distance) from the high water level of the main channel. See OAR 629-635-310 for exceptions on locating the RMA and note in the Written Plan if they apply to this operation.

A.	STREAM NAME: Sun Creek	
B.	STREAM TYPE:	
	Small F (50' RMA) Small D (20' RMA)	
C.	LENGTH OF STREAM WITHIN THE OPERATION AREA: 6,213 ft. (NOTE: This is the length of each side of the stream, double the length if the operation is on both sides of the stream)	
D.	OPERATION WILL BE A: clearcut,X partial cut.	
E.	AVERAGE SLOPE WITHIN THE RMA IS:0-20_%	
F.	THE OPERATION SHALL RETAIN: (Required unless addressed under road construction, yarding corridors, temporary crossings, or for stream improvement)	
	1. ALL UNDERSTORY VEGETATION WITHIN 10' OF HIGH WATER LEVEL?	
	<u>X</u> yes no	
	2. ALL TREES WITHIN 20' OF THE HIGH WATER LEVEL?	
	<u>X</u> yes no	
	3. ALL TREES THAT LEAN OVER THE CHANNEL AND GROW IN THE RMA?	
	<u>X</u> yes no	
G.	RETENTION OF ALL SNAGS AND DOWN WOOD IN THE CHANNEL AND RMA? (Required unless addressed fire hazard, stream improvement, or an alternative prescription for catastrophic event)	as safety hazard,
	<u>X</u> yes <u>no</u>	
	IF NO, address	
H.	LIVE CONIFERS RETAINED PER 1000' (Required):	
	1. LARGE STREAM: 40 which are at least 11" DBH X yes no	
	2. MEDIUM STREAM: 30 which are at least 8" DBH yes no	
I.	BASAL AREA PER 1000' OF STREAM REQUIRED TO BE RETAINED:	
	standard target,130active management target.	
J.	EXISTING BASAL AREA OF TREES OR SNAGS SIX INCHES OR GREATER DBH ON SITE: 200 sq ft p	er 1000'.

HOW WAS THIS DETERMINED? <u>The RMA was samplied as part of the variable plot cruise determining residual</u> stocking within the timber sale area.

BY WHOM? Klamath-Lake District State Forest staff

K. IS THE LIVE CONIFER TREE BASAL AREA IN THE RMA GREATER THAN THE STANDARD TARGET: <u>X</u> yes <u>no.</u>

DESCRIBE THE VEGETATION RETENTION PRESCRIPTION: (Narrative should include the basal area to be retained, basal area to be removed, if and how live tree retention credit used, if and how alternative vegetation prescription used, if and how site specific vegetation prescription used, etc.)

RMA will be thinned from below by removing select trees to reduce the current basal area. Cut trees have been

designated by marking having been chosen to result in lower stocking levels, while minimizing damage to the residual stand.

L. IS THE RMA BOUNDARY MARKED? \_\_\_\_ yes \_\_\_\_ no

IF SO, HOW – RMA Boundary is marked with yellow paint and pink flagging.

IS THE 20' BOUNDARY MARKED? X yes \_\_\_\_ no

IF SO, HOW - Timber Sale boundary tags, Fluorescent Orange paint and Flagging.

ARE TREES TO BE HARVESTED MARKED? <u>X</u> yes \_\_\_\_\_ no

IF SO, HOW? – Leave trees have been marked, unmarked trees will be removed.

M. WILL LANDINGS BE LOCATED WITHIN THE RMA? \_\_\_\_\_ yes \_\_\_\_ no.

IF YES, describe how many, location, construction specifications, drainage, post-operation rehabilitation, etc.:

N. WILL SKID TRAILS BE LOCATED PARALLEL TO THE STREAM AND WITHIN THE RMA? \_\_\_\_\_\_ yes \_\_X\_ no. IF YES, describe length and specifications of skid trails within RMA, post operation rehabilitation, drainage, etc.: Skid trails in the RMA will be kept to the minimum length necessary and be perpendicular to the channel. Runoff Mitigation (waterbarring or spreading of slash) will be conducted if necessary.

O. WILL THERE BE SKID TRAIL STREAM CROSSINGS? \_\_\_\_\_ yes \_\_\_\_ no. IF YES, describe type, how constructed, removal, post operation rehabilitation, time frame, numbers of loads over, etc.:

- P. WILL THERE BE NEW ROAD CONSTRUCTION WITHIN RMA? \_\_\_\_\_ yes \_\_\_\_X no.
  IF YES, describe length, method of construction, overburden placement, drainage, post operation rehabilitation, etc.:
- Q. WILL THERE BE HAUL ROAD STREAM CROSSINGS? \_\_\_\_\_yes \_\_\_X no. IF YES, describe type (i.e. bridge, ford, culvert, etc.), permanence, temporary (describe removal), time frame of use, approach stabilization, post operation rehabilitation, etc.:
- R. RESIDUAL VEGETATION DESCRIPTION: (narrative to include description of residual species of both brush and overstory canopy).

The overstory is composed of primarily white fir and some ponderosa pine as well as black cottonwood and quaking aspen adjacent to the stream. Understory and brush components include willow, white alder, choke cherry, and snowbrush.

S. RESIDUAL VEGETATION PROTECTION MEASURES: How will the operation be conducted to minimize damage/disturbance to residual vegetation? (description to include type and size of equipment used and methods employed to achieve this; i.e. feller buncher, shovel log, directional felling, pulling line, etc.)

Skid trails will be flagged within the RMA. All mechanical felling will be performed by a feller buncher with a lateral reaching boom, cut trees will be packed and bunched in designated trails. Oversize trees will be directionally felled to minimize damage and the logs will be bunched in the trails by a shovel.

T. SOIL AND HYDROLOGIC FUNCTION PROTECTION: How will the operation be conducted to minimize disturbance to soil and damp/wetted areas within the RMA? (Description to include timing of operation and soil conditions during operation; i.e. will only operate machinery on frozen or dry soils)

Soil is pumice type which is tractor operable year round. If unacceptable soil displacement or rutting occurs, skidding will be suspended until corrective action is taken or soil conditions improve (Section 2355 of contract).

- U. OTHER NOT IDENTIFIED ABOVE: To include description and protection measures of practices other than harvesting (chemical application, slash treatment, fire trail construction, etc.), as well as any other general information useful to approval of this plan.
- V. MAP REQUIREMENTS: A MAP MUST BE ATTACHED IDENTIFYING THE STREAM, RMA, AND LOCATION OF ACTIVITY DESCRIBED IN THE WRITTEN PLAN



Final Straw KL-341-2019-W00511-01 Cruise Report



"STEWARDSHIP IN FORESTRY"

#### SALE NAME: Final Straw

#### **LEGAL DESCRIPTION:**

Township 32S, Range 7½E, Portions of Sections 19, 20, 29, 30, and 32, Willamette Meridian, Klamath County, OR.

#### BOUNDARY LINES:

Area 1 boundary is posted with "Timber Sale Boundary" signs, marked with fluorescent orange paint and fluorescent orange flagging.

Area 2 boundary follows the barrier road and is unmarked.

#### FUND:

100% B.O.F.

## ACREAGE:

Timber Sale is approximately 376 acres.

Areas 1 and 2 were combined for purposes of the cruise as the marking prescription was unchanged. The decision to cut tree mark area 2 was made for aesthetic reasons due to higher public use in the area. 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 harvest. In Area 1 leave trees have been marked with an orange band at DBH. In Area 2 cut trees have been marked with a blue band at DBH. All trees less than 9.0 inches DBH are reserved from cutting in the sale area.

#### 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 10.0") DBH for all Areas.

#### **BASAL AREA FACTOR**:

The sale was cruised using a 14 BAF.

#### PLOT DESIGNATION:

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

#### **SAMPLE SIZE CALCULATIONS:**

<b>CV</b> %	<b>DESIRED SE%</b>	ACRES
70	12	376

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

 ${\bf C}$  = Coefficient of Variation in Percent (Taken from inventory data)

T = Number of Standard Errors

A = Desired Sampling Error for a sale of this size and value

Area 1

N = 
$$\frac{(1)^2(70)^2}{(12)^2}$$
 = 34 plots

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.

## 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.

#### **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 DBH.

#### **VOLUME COMPUTATION:**

All cruise data was input and run at the district on Atterbury's SuperAce program.

#### FINAL CRUISE RESULTS:

CV%	SE%	ACRES
64.1	10.5	376

## **TIMBER DESCRIPTION**

## SAWLOG VOLUME:

This volume was obtained from the variable plot cruise. All material graded camprun. See grade table for minimum standards.

## **AREA 1 SAWLOG VOLUME**

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	23.3	10,422	10,267	3,919	3,860
White fir	14.3	198	198	74	74
Combined	22.7	10,620	10,465	3,993	3,935

## **TOTAL NET SAWLOG VOLUME: 3,935 MBF**

TC TSTATS					S' projec	TATIST T	FICS FSTRAW		]	PAGE DATE 8	1 /27/2018
TC TSTATS      STATISTICS      PAGE      1 DATE      STATISTICS      PAGE      1 DATE      STATE        TWP RGE      SECT      TRAT      TYPE      ACRES      PLOTS      TREES      COP      BAFE        132      097      29      112      VARC      376.00      37      162      I      E        1015      TETES      PERFORT      TOTAL      37      162      44      SAMPLI      SAMPLI      SAMPLI        1015      TETES      PERFORT      TOTAL      57      162      44      CRUBE      COUNT      17      7.930      1.1        100%      SAMPLE      TREES      AVG      BOLE      RFL      BASAL      GROSS      NET      GROSS      NET        100%      SAMPLE      TREES      AVG      BOLE      RFL      BASAL      GROSS      NET      GROSS      NET        100%      SAMPLE      TREES      AVGE      BOLE      RFL      BASAL      GROSS      NET      GROSS      NET        COUNT      12											
032 0	07	29	112		VARC		376.00	37	162	1	Е
					FREES		ESTIMATED TOTAL	Pl S.	ERCENT AMPLE		
		PLOTS	TREES	]	PER PLOT		TREES	Т	REES		
TOTAL		37	162		4.4						
CRUISE		19	90		4.7		7,950		1.1		
DBH COU	NT										
REFORES	Т				1.2						
COUNT		17	72		4.2						
BLANKS		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		8	35 19.5	23.3	75	12.0	57.8	10,422	10,267	1,931	1,931
WHITE F			5 1.6	14.3	37	0.5	1.8	198	198	40	40
TOTAL		9	21.1	22.7	72	12.5	59.6	10,620	10,465	1,971	1,971
CONFIDI	ENCE 68.1	LIMITS OF TIMES OU	THE SAMPLE T OF 100 THE VO	OLUME WIL	L BE WIT	HIN THE	SAMPLE ERR	OR			
CL: 68	.1 %	COE	FF		SAMPLI	E TREES	- BF	#	OF TREES R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	)W	AVG	HIGH		5	10	15
PPINE		64	.8 7.0		724	779	834				
WHITE F		105	5.0 52.2		112	234	356				
TOTAL		67.	.9 7.2		695	749	802		184	46	20
CL: 68	.1 %	COE	FF		SAMPLI	E TREES	- CF	#	OF TREES R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	)W	AVG	HIGH		5	10	15
PPINE		55	6.0		133	142	150				
WHITE F		96	6.9 48.2		24	45	67				
TOTAL		58.	.9 6.2		128	136	145		139	35	15
CL: 68	.1 %	COE	FF		TREES/A	ACRE		#	OF PLOTS R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	0W	AVG	HIGH		5	10	15
PPINE		72	2.9 12.0		17	19	22				
WHITE F		426	5.7 70.1		0	2	3				
TOTAL		65.	.1 10.7		19	21	23		169	42	19
CL: 68	.1 %	COE	IFF		BASAL A	AREA/AC	RE	#	OF PLOTS R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	OW	AVG	HIGH		5	10	15
PPINE		62	2.5 10.3		52	58	64				
WHITE F		498	8.3 81.9		0	2	3				
TOTAL		57.	.6 9.5		54	60	65		132	33	15
CL: 68	.1 %	COE	FF		NET BF/	ACRE		#	OF PLOTS R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	)W	AVG	HIGH		5	10	15
PPINE		67	.4 11.1		9,130	10,267	11,405				
WHITE F		553	90.9		18	198	377		164	47	10
IUTAL		64.	.1 10.5		9,302	10,465	11,567		104	41	18
CL: 68	.1 %	COE	FF		NET CU	FT FT/A(	CRE	#	OF PLOTS R	EQ.	INF. POP.
SD: 1	.0	VAR	R.% S.E.%	LC	)W	AVG	HIGH		5	10	15
PPINE		65	5.5 10.8		1,724	1,931	2,139				
WHITE F		541	.0 88.9		4	40	75		154	20	10
TOTAL		62.	.0 10.2		1,770	1,971	2,172		154	38	17

TC TI	.OGST	ГVВ				Lo: Pro	g Stocl	k Tał	ole - M FST	BF RAW									
T032 R007 S29 TVARC        Twp      Rge      Sec      Tract        032      007      29      112					Type VARC		Acres 376.	00	Plots 37	Samp	<b>le Tree</b> 91	5	T03 1 1 1	2 R007 Page Date Fime	S29 TV 1 8/14/2 8:43:2	ARC 018 24AM			
S	So	Gr	Log	Gross	%	Net	%			Net Vo	lume by	Scaling	Diamet	er in In	ches	-			
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+
PP	1	CR	16	16		16	.4				2					14			
PP	1	CR	17	119		119	3.1			36	18	32			19	14			
PP	1	CR	20	54	7.0	51	1.3								20	31			
PP	1	CR	26	220		220	5.7			35	57	51	57		21				
PP	1	CR	32	1,378	1.7	1,355	35.1						11	15	410	719	167	33	
PP	1	CR	34	2,132	1.5	2,101	54.4			39	229	302	346	468	684	32			
PP		Tot	als	3,919	1.5	3,861	98.1			110	306	384	414	483	1154	810	167	33	
WF	1	CR	17	7		7	9.2			7									
WF	1	CR	26	5		5	6.8			5									
WF	1	CR	34	62		62	83.9					9	32		21				
WF		Tot	als	74		74	1.9			12		9	32		21				
Total All	Specie	es		3,993	1.5	3,935	100.0			122	306	393	447	483	1175	810	167	33	

A SHEET OF TO	Sale Number
DEPAR	

# Oregon Department of Forestry **OPERATIONAL PERIODS and SEASONAL RESTRICTIONS** West Oregon, NWOA 24533 ALSEA HWY, PHILOMATH, OR 97370 (541) 929-3266

ODF/State Forests Operational Periods and Seasonal Restriction WALT Sys Gen Report 2014 Page 1 of 1

Expiration Date

Sale Name

								1								1	
WO-341-2	019-W00776-01			Col	d Boulde	<b>-</b>							Jecembe	r 31, 2(	020		
				Jan	Feb	Mar	Apr	May	unſ	Jul	Aug	Sep	Oct	Nov	Dec	Date	6
Harvesting	Comments	Units	Project	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	~ ~	Ω	
Ground yarding																	
Slash Treatment	Machine Slash Piling			_													

				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Νον	De	υ	Date
Hauling	Comments	Units	Project	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 1	5 1 1	5 1 1	5 1	15	
Hauling as shown on Exhibit A	Hauling on Salmon Creek Road																
Log Hauling on Unsurfaced Roads																	

				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Date	
Project Work	Comments	Units	Project	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	1 15	7	2	
Activity in Live Streams																	
Von-project roads and																	
Landing and Road Construction or Comprovement Operations			la, 1b				-										

Operation Allowed

Operation Restricted

Activity Restricted 2 hours before sunset and 2 hours after sunrise

This report is for information purposes only. Refer to Section 2455 Seasonal Restrictions of the contract.



Approximately 376 acres