



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Paddock Butte  
Sale KL-341-2018-138-

District: Klamath/Lake

Date: February 17, 2018

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**Cost Summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$285,517.44	\$0.00	\$285,517.44
		<b>Project Work:</b>	(\$74,791.11)
		<b>Advertised Value:</b>	\$210,726.33



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**Timber Description**

**Location:** Portions of sections 13 and 14, Township 38S, Range 13E, Portions of Section 18, Township 38S, Range 14E, Willamette Meridian, Klamath County, Oregon

**Stand Stocking: 20%**

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Ponderosa Pine	14	0	95

Volume by Grade	CR 6" - 8"	CR 8" - 14"	CR 14" - 22"	Total
Ponderosa Pine	328	1,650	236	2,214
<b>Total</b>	328	1,650	236	2,214

**Comments:** Pond Values Used: Local Pond Values January 2018

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):  
Dust Abatement: \$17,595.71  
TOTAL Other Costs (with Profit & Risk to be added): \$17,595.71

Other Costs (No Profit & Risk added):  
Road Use Fee: \$750.00





“PIONEERING IN FORESTRY”

Timber Sale Appraisal  
 Paddock Butte  
 Sale KL-341-2018-138-

District: Klamath/Lake

Date: February 17, 2018

**Logging Costs**

<b>Operating Seasons:</b> 1.00	<b>Profit Risk:</b> 15%
<b>Project Costs:</b> \$74,791.11	<b>Other Costs (P/R):</b> \$17,595.71
<b>Slash Disposal:</b> \$0.00	<b>Other Costs:</b> \$750.00

**Miles of Road**

**Road Maintenance:** \$0.99

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	4.2



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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
<b>Ponderosa Pine</b>									
\$90.40	\$1.04	\$1.98	\$97.50	\$7.95	\$29.83	\$0.00	\$7.00	\$0.34	\$236.04

Specie	Amortization	Pond Value	Stumpage	Amortized
Ponderosa Pine	\$0.00	\$365.00	\$128.96	\$0.00



"PREPARATION IN FORESTRY"

Timber Sale Appraisal  
Paddock Butte  
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Date: February 17, 2018

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**Summary**

**Amortized**

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

**Unamortized**

Specie	MBF	Value	Total
Ponderosa Pine	2,214	\$128.96	\$285,517.44

**Gross Timber Sale Value**

Recovery: \$285,517.44

Prepared By: Chris Weekly

Phone: 541-883-5681

TC TSTATS				STATISTICS				PAGE	1	
				PROJECT	PADDOCK		DATE	1/29/2018		
TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt	
030	013	13	GN	VARC	637.00	89	341	1	E	
				TREES	ESTIMATED	PERCENT				
				PER PLOT	TOTAL	SAMPLE				
					TREES	TREES				
TOTAL		89	341	3.8						
CRUISE		29	92	3.2	30,317		.3			
DBH COUNT										
REFOREST										
COUNT		57	249	4.4						
BLANKS		3								
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	87	44.8	14.3	35	13.2	50.0	3,809	3,762	901	901
OC	5	2.8	10.4	26	0.5	1.7	49	49	19	19
<b>TOTAL</b>	<b>92</b>	<b>47.6</b>	<b>14.1</b>	<b>34</b>	<b>13.8</b>	<b>51.7</b>	<b>3,859</b>	<b>3,811</b>	<b>920</b>	<b>920</b>
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		76.5	8.2	109	119	129				
OC		50.0	24.8	15	20	25				
<b>TOTAL</b>		<b>80.4</b>	<b>8.4</b>	<b>104</b>	<b>114</b>	<b>123</b>	<b>258</b>	<b>65</b>	<b>29</b>	
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		64.7	6.9	26	27	29				
OC		44.2	22.0	6	8	9				
<b>TOTAL</b>		<b>67.7</b>	<b>7.1</b>	<b>25</b>	<b>26</b>	<b>28</b>	<b>183</b>	<b>46</b>	<b>20</b>	
CL:	68.1 %	COEFF	TREES/ACRE				# OF PLOTS REQ.		INF. POP.	
SD:	1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15	
PPINE		69.3	7.3	41	45	48				
OC		363.1	38.5	2	3	4				
<b>TOTAL</b>		<b>66.6</b>	<b>7.1</b>	<b>44</b>	<b>48</b>	<b>51</b>	<b>177</b>	<b>44</b>	<b>20</b>	
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		62.5	6.6	47	50	53				
OC		362.3	38.4	1	2	2				
<b>TOTAL</b>		<b>60.7</b>	<b>6.4</b>	<b>48</b>	<b>52</b>	<b>55</b>	<b>147</b>	<b>37</b>	<b>16</b>	
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		62.5	6.6	3,513	3,762	4,011				
OC		365.5	38.7	30	49	68				
<b>TOTAL</b>		<b>61.5</b>	<b>6.5</b>	<b>3,563</b>	<b>3,811</b>	<b>4,060</b>	<b>151</b>	<b>38</b>	<b>17</b>	
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		63.2	6.7	841	901	961				
OC		366.2	38.8	12	19	26				
<b>TOTAL</b>		<b>61.7</b>	<b>6.5</b>	<b>860</b>	<b>920</b>	<b>980</b>	<b>152</b>	<b>38</b>	<b>17</b>	

# *Paddock Butte*

**341-18-138**

*Cruise Report*



"STEWARDSHIP IN FORESTRY"

**SALE NAME:** Paddock Butte

**LEGAL DESCRIPTION:**

Township 38S, Range 13E, Portions of Sections 13 and 14 W.M., Klamath County, OR  
Township 38S, R14E, Portions of Section 18 W.M., Klamath County, OR.

**BOUNDARY LINES:**

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

**ACREAGE:**

Gross Sale Acreage:	654 Acres
Exclusion Acreage	17 Acres
Net Sale Acreage:	637 Acres

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

**TREATMENT:**

The Timber Sale is a single tree selection cuts with leave trees marked with orange paint for all trees 5.0 inches DBH or larger. All un-marked and/or blue marked trees greater than 5.0 DBH shall be cut. All trees less than 5.0 inches DBH and greater than 21.0 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:**

Area	BAF	Type Acreage
Area 1	13.61 BAF	639

**PLOT DESIGNATION:**

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

**SAMPLE SIZE CALCULATIONS:**

AREA	CV%	DESIRED SE%	ACRES
Area 1	80	13	639

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

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                       $N = \frac{(1)^2(123)^2}{(13)^2} = 89 \text{ plots}$

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.
- Separate fixed plot cruise for all submerchantable material (5”to 10” DBH).

**TREE HEIGHT:**

All trees were measured to a fixed diameter outside bark. This height is usually taken as high up the bole as possible, where the cruiser can clearly see the bole, and the taper remains constant (usually 6 or 8 inches). The log segments are broken out and graded accordingly.

**MINIMUM D.B.H:**

10.0" DBH for sawlog volume. 5.0" DBH for submerchantable material.

**DIAMETER STANDARDS:**

1" diameter class

**BTR:**

Standard ratios were used. See attached species tables.

**FORM FACTOR:**

Form factor was measured or estimated at 16' for each tree. Each tree was assigned its own FF.

**FORM POINT:**

All trees were sighted at DBH.

**VOLUME COMPUTATION:**

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

**FINAL CRUISE RESULTS:**

<b>AREA</b>	<b>CV%</b>	<b>SE%</b>	<b>ACRES</b>
Area 1	80	8.1	639

**TIMBER DESCRIPTION**

**SAWLOG VOLUME:**

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

**TOTAL SAWLOG VOLUME**

SPECIES	AVE. DBH	GROSS VOL/ACRE (MBF)	NET VOL/ACRE (MBF)
Ponderosa Pine	14.3	3,523	3,476

**TOTAL NET SAWLOG VOLUME: 2,214 MBF**

**GREEN PULP VOLUME:**

This volume was obtained from the fixed plot cruise (5.0" – 9.0" DBH). All material was graded green pulp, see grade table for minimum standards.

**TOTAL GREEN PULP VOLUME: ~ 592 MBF**

# Paddock Butte

341-18-138

## Other Costs

### Road Maintenance

Move-in cost (grader):	\$500.00
Number of Miles to be Bladed:	4.0
Number of Bladings:	2
Total Miles	8.0
Miles / Hour for equipment:	0.5
Cost / Hour (grader with operator):	\$105.50
Total Grading Hours:	16
Grading Cost:	<u>\$1,688.00</u>
	<b><u>\$2,188.00</u></b>
<b>Total Cost:</b>	\$2,188.00
Cost / Mbf:	\$0.99

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

PP	2214 Mbf	100.0%	Average Load	4.2 Mbf	No. of Loads	<u>527</u>
<b>Total:</b>	<b>2214 Mbf</b>				<b>Total Loads</b>	<b>527</b>

Assume:	4 Trucks/Day	
	<u>2 Trips/Day</u>	66 Days of Dust Abatement
	<b>8 Loads per Day</b>	3 Hours/Day
	<b>66 Hauling Days</b>	\$88.00 Cost/Hour
		198 Total Hours
		\$200.00 Move in for Water Truck
		<u>\$17,595.71</u> Dust Abatement Cost
		<b><u>\$17,595.71</u> Total Cost</b>
		\$7.95 Cost/Mbf

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

<u>\$2,188.00</u>	Total cost for Road Maintenance	\$0.99 per MBF
<u>\$17,595.71</u>	Total cost for Dust Abatement	<u>\$7.95</u> per MBF
<b><u>\$19,783.71</u></b>	<b>Total Other Costs</b>	<b><u>\$8.94</u> per Mbf</b>

# Paddock Butte

341-18-138

## Project Costs

Project #1 Road Improvement and Construction

Move in Cost Cat: \$500.00

Move in Cost Excavator: \$500.00

### Improvement: Excavator

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Plucking/Grubbing	S to R	8768	1500	5.8	\$115.00	\$672.21
Plucking/Grubbing	B to E	4795	1500	3.2	\$115.00	\$367.62
Plucking/Grubbing	M to O	3769	1000	3.8	\$115.00	\$433.44
Plucking/Grubbing	E to K	2431	1000	2.4	\$115.00	\$279.57
Plucking/Grubbing	Q to P	4434	1000	4.4	\$115.00	\$509.91
<b>Total</b>		<b>24197</b>		<b>19.7</b>		<b>\$2,262.74</b>

### Improvement: Cat

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	A to B	6146	2000	3.1	\$132.50	\$407.17
Open/Clear/Shape	S to C	4300	2000	2.2	\$132.50	\$284.88
Open/Clear/Shape	B to E	4795	2000	2.4	\$132.50	\$317.67
Open/Clear/Shape	E to K	2431	1500	1.6	\$132.50	\$214.74
Open/Clear/Shape	C to R	4469	1500	3.0	\$132.50	\$394.76
Open/Clear/Shape	M to O	3769	1500	2.5	\$132.50	\$332.93
Open/Clear/Shape	Q to P	4434	1000	4.4	\$132.50	\$587.51
<b>Total</b>		<b>30344</b>		<b>19.2</b>		<b>\$2,539.65</b>

### Construction: Excavator

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Plucking/Grubbing	F to G	1374	1000	1.4	\$115.00	\$158.01
Plucking/Grubbing	K to L	1106	1000	1.1	\$115.00	\$127.19
Plucking/Grubbing	I to J	1895	1000	1.9	\$115.00	\$217.93
Plucking/Grubbing	F to H	3569	1000	3.6	\$115.00	\$410.44
Plucking/Grubbing	P to U	1841	1000	1.8	\$115.00	\$211.72
Plucking/Grubbing	P to T	1435	1000	1.4	\$115.00	\$165.03
<b>Total</b>		<b>11220</b>		<b>11.2</b>		<b>\$1,290.30</b>

# 341-18-138

## Project Costs

### Project Costs

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#### Project #1 Road Improvement and Construction

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#### Construction: Cat

	Points	Distance (ft)	Feet/Hour	Hours	Cost/Hour	Cost
Open/Clear/Shape	F to G	1374	1000	1.4	\$132.50	\$182.06
Open/Clear/Shape	K to L	1106	1000	1.1	\$132.50	\$146.55
Open/Clear/Shape	I to J	1895	1000	1.9	\$132.50	\$251.09
Open/Clear/Shape	F to H	3569	1000	3.6	\$132.50	\$472.89
Open/Clear/Shape	P to U	1841	1000	1.8	\$132.50	\$243.93
Open/Clear/Shape	P to T	1435	1000	1.4	\$132.50	\$190.14
	<b>Total</b>	<b>11220</b>		<b>11.2</b>		<b>\$1,486.65</b>

#### Contract Approach at Point E

Hours of Excavator	1.5	Hours of Cat	1
Cost per Hour	\$115.00	Cost per Hour	\$132.50
Total	\$172.50	Total	\$132.50

**Total** \$305.00

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#### Project #1 Summary

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Equipment Costs	\$1,000.00
Improvement Cost	\$4,802.39
Construction Cost	\$3,081.95
<b>Project #1 Total</b>	<b>\$8,884.34</b>
per MBF	\$4.01

Paddock Butte  
341-18-138  
*Project Costs*

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

Total Sub-Sawlog Volume: 592 MBF

Fell and Skid/MBF: \$50.00

Sort/MBF: \$10.00

**Total \$35,520.00**

per MBF \$16.04

De-Limb and deck other conifers

1 Hour per Landing

\$132.50 per Hour

**\$2,252.50 Total**

*Landing Slash Piling*

Number of Landings: 17

Shovel Time: 1 Hour per Landing Cost per Hour: \$125.00

Total Cost \$2,125.00

Cat Time: 1 Hour per Landing Cost per Hour: \$132.50

Total Cost \$2,252.50

**Total \$4,377.50**

per MBF \$1.98

*Project #2 Summary*

Fell/Pile/Skid: \$35,520.00

De-Limb and Deck \$2,252.50

Landing Cleanup: \$4,377.50

**Total: \$42,150.00**

per Mbf: \$19.04

# Paddock Butte

## 341-18-138

### Project Costs

*Project #3 Road Closures, Vacating, and Waterbarring*

**Road Closures**

5      Number of Closure Points - Point Q, P, C, R, O  
\$132.50    Cost per Hour (Cat)  
**\$662.50**    **Total**  
 \$0.30      per Mbf

**Segments to be Vacated**

	<b>Points</b>	<b>Distance (ft)</b>	<b>Feet/Hour</b>	<b>Hours</b>	<b>Cost/Hour</b>	<b>Cost</b>
Open/Clear/Shape	F to G	1374	750	1.8	\$115.00	\$210.68
Open/Clear/Shape	K to L	1106	1000	1.1	\$115.00	\$127.19
Open/Clear/Shape	I to J	1895	1000	1.9	\$115.00	\$217.93
Open/Clear/Shape	F to H	3569	1000	3.6	\$115.00	\$410.44
Open/Clear/Shape	P to U	1841	1000	1.8	\$115.00	\$211.72
Open/Clear/Shape	P to T	1435	1000	1.4	\$115.00	\$165.03
	<b>Total</b>	<b>11220</b>		<b>11.7</b>		<b>\$1,342.97</b>

**Skid Trail Waterbarring**

18      Number of Landings  
 2.5      Hours per Landing  
\$132.50    Cost per Hour (Cat)  
**\$5,962.50**    **Total**  
 \$2.69      per Mbf

*Project #3 Summary*

Road Closure:      \$662.50  
 Road Vacating:    \$1,342.97  
 Waterbarring:    \$5,962.50  
**Total:      \$7,967.97**  
 per Mbf:          \$3.60



# Paddock Butte

## 341-18-138

### Project Costs

#### Project #4 Spot Surfacing

Move in cost loader: \$ 500.00

#### Cinder

400	Cubic Yards
\$0.75	cost per yard
<b>\$300.00</b>	<b>Total</b>
<u>          </u>	
\$0.14	per Mbf

32	hrs dump truck
\$85.00	per hour
<b>\$2,720.00</b>	<b>Total</b>
<u>          </u>	

\$1.23 per Mbf

#### Rock Spreading (Grader)

16	Total Grader Hours
\$105.50	Cost per Hour
<u>          </u>	
\$1,688.00	Total

16	Total Water
\$88.00	Truck Hours
<u>          </u>	
\$1,408.00	Cost per Hour
<u>          </u>	Total

<b>\$3,096.00</b>	<b>Total Rock</b>
<u>          </u>	<b>Spreading</b>
<u>          </u>	
\$1.40	per Mbf

#### Project #4 Summary

Move In	\$500.00
Total cost Rock	\$300.00
Total cost Spreading	\$3,096.00
Total cost Trucking	\$2,720.00
<b>Total</b>	<b>\$6,616.00</b>
<u>          </u>	<u>          </u>
per Mbf	\$2.99

#### Project #5 Fungicide Treatment

#### State to Provide Chemical Supplies

Acres to be treated:	637
Cutting Days (assume 5 acres per day):	127.4
Hours per Day:	3
Cost per Hour:	\$24.00
<b>Total Cost:</b>	<b>\$9,172.80</b>
<u>          </u>	<u>          </u>
Cost per Mbf:	\$4.14

# Paddock Butte

341-18-138

## *Project Costs*

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*Cost Summary All Projects*

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Project No. 1 - Road Construction and Improvement	\$8,884.34
Project No. 2 - Fell, Skid, and Pile Submerchantable Material	\$42,150.00
Project No. 3 - Road Closures, Vacating, and Water Barring	\$7,967.97
Project No. 4 - Spot Surfacing	\$6,616.00
Project No. 5 - Fungicide Treatment	\$9,172.80
<b>Total Cost</b>	<b><u>\$74,791.11</u></b>
per Mbf	\$33.78

**Log Stock Table - MBF**  
**Project: PADDOCK**

**T030 R013 S13 TVARC**

**T030 R013 S13 TVARC**

**Twp Rge Sec Tract Type Acres Plots Sample Trees Page**  
**030 013 13 GN VARC 637.00 89 92 1**  
**Date 1/29/2018**  
**Time 10:50:15AM**

SPP	S	So	Gr	Log	Gross	% Def	Net	% Spc	Net Volume by Scaling Diameter in Inches															
									MBF	MBF	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	12		31		31	1.3				13	3		15									
PP	1	CR	16		339		339	14.1				47	179	27	19	66								
PP	1	CR	24		85	4.4	82	3.4				31	25		25									
PP	1	CR	26		62		62	2.6				25	37											
PP	1	CR	28		58		58	2.4				10	19	30										
PP	1	CR	30		34	11.3	30	1.3				30												
PP	1	CR	32		1,635	1.4	1,612	67.3				174	311	633	321	173								
PP	1	GP	10		7		7	.3			7													
PP	1	GP	11		7		7	.3				7												
PP	1	GP	12		37		37	1.5				37												
PP	1	GP	13		13		13	.5				13												
PP	1	GP	14		25		25	1.1		8		17												
PP	1	GP	16		13		13	.6			13													
PP	1	GP	17		21		21	.9		6	16													
PP	1	GP	18		23		23	1.0		6		17												
PP	1	GP	20		36		36	1.5			7	29												
PP	Totals				2,427	1.2	2,396	98.7		20	43	449	574	690	380	240								
OC	1	GP	12		13		13	41.9				5	8											
OC	1	GP	13		13		13	42.6					13											
OC	1	GP	20		5		5	15.5		5														
OC	Totals				31		31	1.3		5		5	22											
Total All Species					2,458	1.2	2,428	100.0		25	43	454	596	690	380	240								

TblSortGrade

## Sort/Grade Table

**Table Name:** SUNPASS

**Date:** 11/17/2017

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	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: 11/17/2017

Page: 1

Table Name: SUNPASS

Code	Abrv	Description	Bark Ratio	ASub Const	Form Factor	Wood Type	Component	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

T030 R013 S13 TVARC	T030 R013 S13 TVARC
Twp <b>030</b> Rge <b>013</b> Sec <b>13</b> Tract <b>GN</b> Type <b>VARC</b> Acres <b>637.00</b> Plots <b>89</b> Sample Trees <b>92</b> CuFt <b>1</b> BdFt <b>E</b>	

Spp	T	So	Gr	%	Bd. Ft. per Acre			Total	Percent Net Board Foot Volume								Average Log				Logs Per /Acre	
									Net BdFt	Def%	Gross	Net	Log Scale Dia.				Log Length					Ln Ft
					4-5	6-11	12-16						17+	12-20	21-30	31-35	36-99					
PP		1	CR	92	1.3	3,523	3,476	2,214	72	28			17	10	73	25	9	87	0.82	39.8		
PP		1	GP	8		286	286	182	35	65			100			14	5	13	0.29	21.6		
<b>PP</b>	<b>Totals</b>			99	1.2	3,809	3,762	2,396	3	71	26		23	10	67	21	8	61	0.69	61.4		
OC		1	GP	100		49	49	31	15	85			100			13	5	10	0.29	4.9		
<b>OC</b>	<b>Totals</b>			1		49	49	31	15	85			100			13	5	10	0.29	4.9		
<b>Type Totals</b>					1.2	3,859	3,811	2,428	3	72	26		24	10	66	21	7	58	0.67	66.3		

## Summary of Project Work



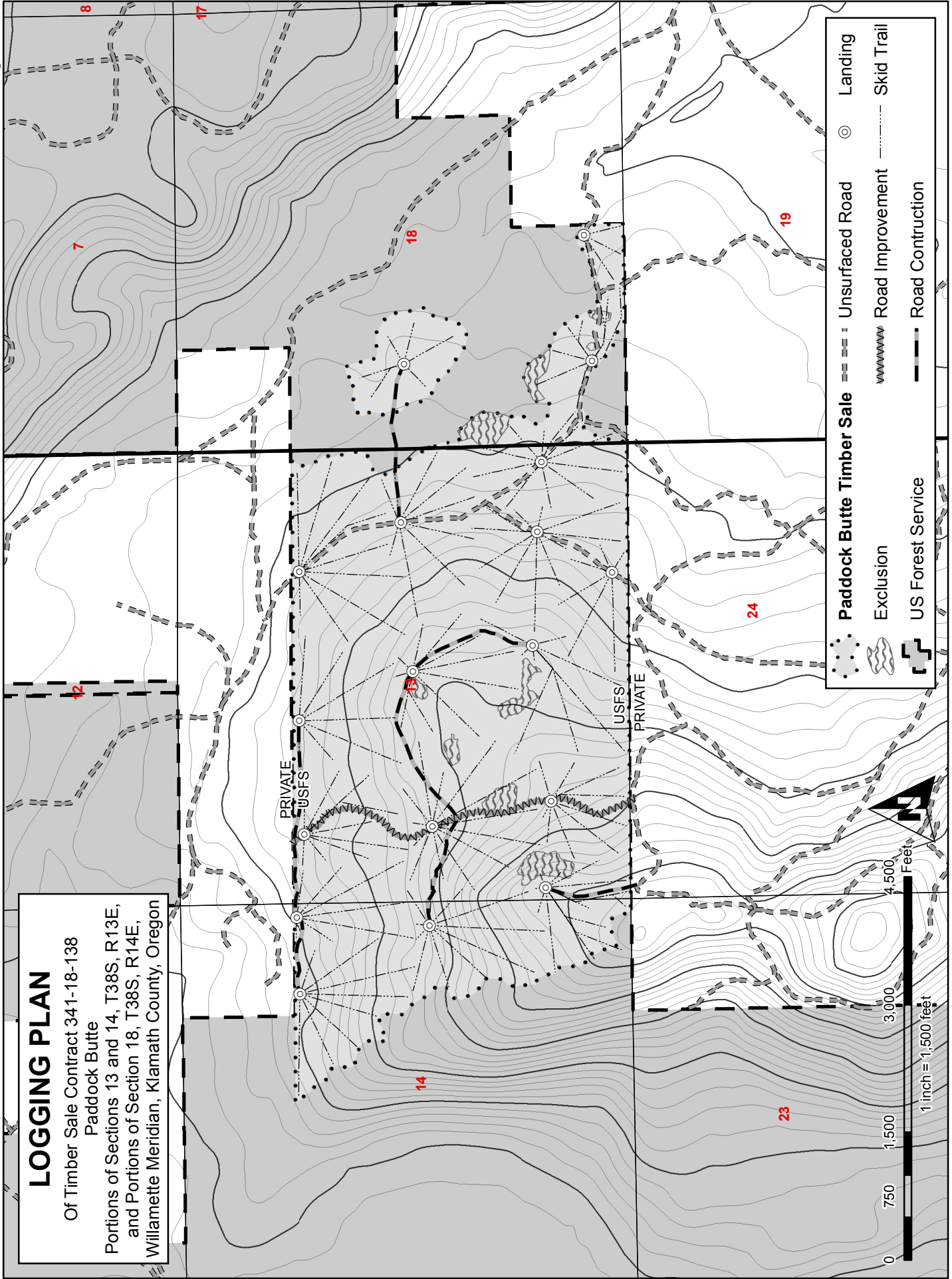
"STEWARDSHIP IN FORESTRY"

### **Paddock Butte 341-18-138**

<b>Project No. 1:</b> Road Improvement and Contruction	<b>\$8,884.34</b>
<b>Project No. 2:</b> Fell, Skid, and Pile Submerch. Material	<b>\$42,150.00</b>
<b>Project No. 3:</b> Road closures and Waterbarring	<b>\$7,967.97</b>
<b>Project No. 4:</b> Spot Surfacing	<b>\$6,616.00</b>
<b>Project No. 5:</b> Fungicide Treatment	<b>\$9,172.80</b>
<b>Total:</b>	<b>\$74,791.11</b>

# LOGGING PLAN

Of Timber Sale Contract 341-18-138  
Paddock Butte  
Portions of Sections 13 and 14, T38S, R13E,  
and Portions of Section 18, T38S, R14E,  
Willamette Meridian, Klamath County, Oregon



**Paddock Butte Timber Sale**

- Landing
- Unsurfaced Road
- ~~~~~ Road Improvement
- Skid Trail
- Road Construction
- Exclusion
- ~~~~~ US Forest Service
- Paddock Butte Timber Sale