



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Cedar Creek
Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$343,540.10	\$16,407.58	\$359,947.68
		Project Work:	(\$24,092.00)
		Advertised Value:	\$335,855.68



Timber Sale Appraisal Cedar Creek Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Timber Description

Location: Portions of Section 21, T18S, R6W, W.M., Lane County, Oregon.

Stand Stocking: 40%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	17	0	99
Alder (Red)	18	0	99
Maple	12	0	99

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	Total
Douglas - Fir	453	302	0	755
Alder (Red)	0	0	52	52
Maple	0	0	14	14
Total	453	302	66	821

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

Western Red Cedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
\$936.12/MBF = \$1,368/MBF - \$431.88/MBF

Western Hemlock and Other Conifer Stumpage Price = Pond Value minus Logging Cost:
\$248.12/MBF = \$680/MBF - \$431.88/MBF

Scaling Cost Allowance = \$5.00/MBF

Branding and Painting = \$2.00/MBF

Fuel Cost Allowance = \$3.00/gallon

Hauling Cost Allowance = equivalent to \$780 daily truck cost.

Other Cost(With Profit and Risk to be added):
None.

Other Cost (No Profit and Risk added):
Final Road Maintenance = \$4,498

Total other cost (No Profit and Risk added): \$4,498



Timber Sale Appraisal
Cedar Creek
Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Logging Conditions

Combination#: 1	Douglas - Fir	100.00%
	Alder (Red)	100.00%
	Maple	100.00%
Logging System:	Cable: Medium Tower >40 - <70	Process: Stroke Delimber
yarding distance:	Long (1,500 ft)	downhill yarding: No
tree size:	Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF	
loads / day:	5	bd. ft / load: 4100
cost / mbf:	\$292.68	
machines:	Log Loader (A) Stroke Delimber (A) Tower Yarder (Medium)	



Timber Sale Appraisal
Cedar Creek
Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Logging Costs

Operating Seasons: 1.00	Profit Risk: 15%
Project Costs: \$24,092.00	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$0.00

Miles of Road

Road Maintenance: \$5.48

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	1.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.0
Alder (Red)	\$0.00	3.0	3.5
Maple	\$0.00	3.0	3.5



Timber Sale Appraisal
Cedar Creek
Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling / Brand & Paint	Other	Total
Douglas - Fir									
\$292.68	\$5.53	\$5.34	\$65.65	\$0.00	\$55.38	\$0.00	\$7.00	\$0.00	\$431.58
Alder (Red)									
\$292.68	\$5.53	\$5.34	\$75.03	\$0.00	\$56.79	\$0.00	\$7.00	\$0.00	\$442.37
Maple									
\$292.68	\$5.53	\$5.34	\$75.03	\$0.00	\$56.79	\$0.00	\$7.00	\$0.00	\$442.37

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$886.60	\$455.02	\$0.00
Alder (Red)	\$0.00	\$744.00	\$301.63	\$0.00
Maple	\$0.00	\$494.00	\$51.63	\$0.00



Timber Sale Appraisal
Cedar Creek
Sale WL-341-2018-133-

District: Western Lane

Date: March 28, 2018

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Alder (Red)	0	\$0.00	\$0.00
Maple	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	755	\$455.02	\$343,540.10
Alder (Red)	52	\$301.63	\$15,684.76
Maple	14	\$51.63	\$722.82

Gross Timber Sale Value

Recovery: \$359,947.68

Prepared By: Kevin Gehrig

Phone: 541-935-2283

Summary of "Other Costs" for Timber Sale Appraisals

Cedar Creek 341-18-133

"Other Costs" with Profit and Risk to be Added:

None

Total "Other Costs" with Profit and Risk to be Added:

\$0



"Other Costs" With No Additional Profit and Risk

	<u>Units</u>	<u>Quantity</u>	<u>Cost/Unit</u>	<u>Total Cost</u>
Final Road Maintenance	Operation		\$	3,298
Roseburg Resources Road use fee	Operation		\$	1,200

Total "Other Costs" With No Additional Profit and Risk:

\$ 4,498

Cost per MBF 821 MBF

\$ 5.48

Cedar Creek A
341-18-133
Combined Project Costs

Project 1	Subgrade Road Improvements	\$7,758
Project 2	Apply spot rock and landing rock	\$11,643
Project 3	Apply Jump Spur Rock	\$4,691
TOTAL PROJECT COSTS		\$24,092

State Timber Sale Contract
341-18-133
Cedar Creek A

Rocking and Compaction

Rock Source: Commercial

Rock Quantity (Inplace)

Cap Rock	Jump Spur	18-6-21.6	TOTAL
Rock Size	3"-0"		
Stations	3		3.00
Approx yds/sta	40		
Subtotal cap (cu. yds)	120	0	120

Landings	Jump Spur	18-6-21.6	TOTAL
Rock Size	3"-0"	3"-0"	
Stations	1.00	1.00	2.00
Approx yds/sta	40	40	
Subtotal base (cu. yds)	40	40	80

Additional Rock	Jump Spur	18-6-21.6	TOTAL
Rock Size		1 1/2"-0"	
Number of Points		35	
Curve Widening/Spot Rocking (Yds)		10	
Subtotal Spot/Widening Rock	0	350	350

ROCK COST (Rock + Delivery)

Rock Size	3"-0"	0	
Approx cu. yds	120	0	120
Cost/yd (includes load/spread)	\$27.32	\$0.00	
Subtotal Cost "Cap" Rock	\$ 3,279	\$ -	\$ 3,279

Approx cu. Yds Spot/Widening	0	350	350
Cost/yd (includes load/spread)	\$0.00	\$27.92	
Subtotal	\$0.00	\$9,770.25	
Subtotal Cost "Additional" Rock	\$ -	\$ 9,770	\$ 9,770

Rock Size	3"-0"	3"-0"	
Approx cu. yds	40	40	80
Cost/yd (includes load/spread)	\$27.32	\$27.32	
Subtotal Cost "Landing" Rock	\$ 1,093	\$ 1,093	\$ 2,186

Grand total quarry approx yds	160	390	550
Total Quarry Rock Cost	\$ 4,371	\$ 10,863	\$ 15,234

Compaction w/Processing	Jump Spur	18-6-21.6	TOTAL
Cost/Cu. Yd.	\$2.00	\$2.00	
Subtotal Processing	\$ 320	\$ 780	\$ 1,100

\$/yd³ rock in place & compacted	Jump Spur	18-6-21.6	Total
Total Rock Costs	\$4,691	\$11,643	\$ 16,334

Move-in included in subgrade construction

Due to rounding, the numbers in the table above may not add up to the totals shown.

State Timber Sale Contract
 Cedar Creek A
 341-18-133

Subgrade Construction/Culverts
 Processing and Decking Right-of-Way Logs Not Included

Totals	18-6-21.6	Jump Spur	TOTAL
Stations	41.5	3	45
Cost/Sta	\$ 128	\$ 55	
Cost	\$5,293	\$165	\$ 5,458.00
End-haul			
Cu Yd	715		
\$/yd	\$ 4.22		
End-haul stumps			
Subtotal	\$3,018.00		\$ 3,018.00
Grade and Shape	18-6-21.6		TOTAL
Road Stations	41.5	3	
Cost/STA	\$ 54.81	\$ 54.81	
Subtotal	\$ 2,275	\$ 165	\$ 2,440

Move in Cost	Initial	Between Projects		
D-7 Cat	\$ -		Project Cost	\$ 5,458.00
Dump Truck	\$ 200			
grader	\$ 500		Move In Cost	\$ 2,300
excavator	\$ 1,500			
vibratory roller	\$ -		Total Cost	\$ 7,758.00
water truck	\$ 100			
small excavator	\$ -			

Cruise Report

Cedar Creek A

SALE # 341-18-133

Sale Area: Portions of Section 21, T18S, R6W, W.M., Lane County, Oregon. The sale's net harvestable acres are 18. There are approximately 2 acres of stream buffers. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

Stand Description: Cedar Creek A is dominated by 77 year old Douglas-fir. A small component of Bigleaf maple and Red alder is present. The stand has a significant amount of down trees due to damage caused by the December 2016 ice storm. The majority of the hardwood component is concentrated near the draws. Much of the stand consists of primarily sword fern, salal, Oregon grape, salmonberry, evergreen huckleberry, and vine maple. The slopes are consistently gentle ranging from 0-16%, with areas of steep 40-65% slopes. There are two streams located in the Northeast and Southern sections of the timber sale area. This unit will be primarily cable logged from one setting.

The Bureau of Land Management (BLM) right-of-way includes a cable yarding wedge/tramway and "Right-of-Way" associated with the Jump Spur, as shown on Exhibit A. The total area of the BLM right-of-way is approximately 4 acres. All four acres are on land owned by the BLM and not included in the total volume advertised in the Cedar Creek A Timber Sale. The removal of this volume will require a negotiated timber sale with the BLM.

Cruise Method: Current Stand Level Inventory (SLI) data was used to determine the estimated volume in this stand.

Volume Tables: Volumes were computed using current SLI data.¹

Area 1 Net Cruised Volume (BF/Acre)

Species	Avg. DBH	Special Mill	2 Saw	3 Saw	4 Saw	Camp Run	Sub-Total
Douglas-fir	16.5		25150	12575	4191		41916
Red Alder	18.0					2919	2919
Big leaf maple	11.8					754	754

Total (BF/Acre): 45589

Note: A 15% breakage and defect was applied to the volume due to ice damage.

State Timber Sale Contract
341-18-133
Cedar Creek A

Final Road Maintenance Cost Summary

Totals	18-6-21.6	Jump Spur	TOTAL
Stations	41.50	3.00	
Cost/Sta	\$ 55	\$ 170	
Total Cost	2288	510	\$ 2,798

Spot Rocking	18-6-21.6	Jump Spur	TOTAL
Total Yds	20		
Rock Size	1 1/2"-0"	0	
\$/yd	\$27.92	\$0.00	
Subtotal	\$ 558	\$ -	\$ 558

Grade,Shape & Pull Ditches	18-6-21.6	Jump Spur	TOTAL
Stations	41.50	3.00	
\$/STA	\$ 20.00	\$ 20.00	
Subtotal	\$ 830	\$ 60	\$ 890

Install Waterbars	18-6-21.6	Jump Spur	TOTAL
# of waterbars	20.00	10.00	
\$/waterbar	\$35.00	\$35.00	
Subtotal	\$ 700.00	\$ 350.00	\$ 1,050.00

Landing clean up	18-6-21.6	Jump Spur	TOTAL
Stations	2.00	1.00	
\$/STA	\$ 100.00	\$ 100.00	
Subtotal	\$ 200	\$ 100	\$ 300

Move In	Initial	Between Proj.
Grader	\$ 500	

Move in costs associated with one entry for the entire project

Total Final Maintenance Costs **\$ 3,298**

OREGON DEPARTMENT OF FORESTRY
Western Lane District

Written Plan

Cedar Creek A Timber Sale
341-18-133

Portions of Section 21, T18S, R06W, W.M.

Protected Resource: Bulmer Marbled Murrelet Management Area (MMMA).

Activity: Tailhold within MMMA buffer (330 feet)

Project Measures:

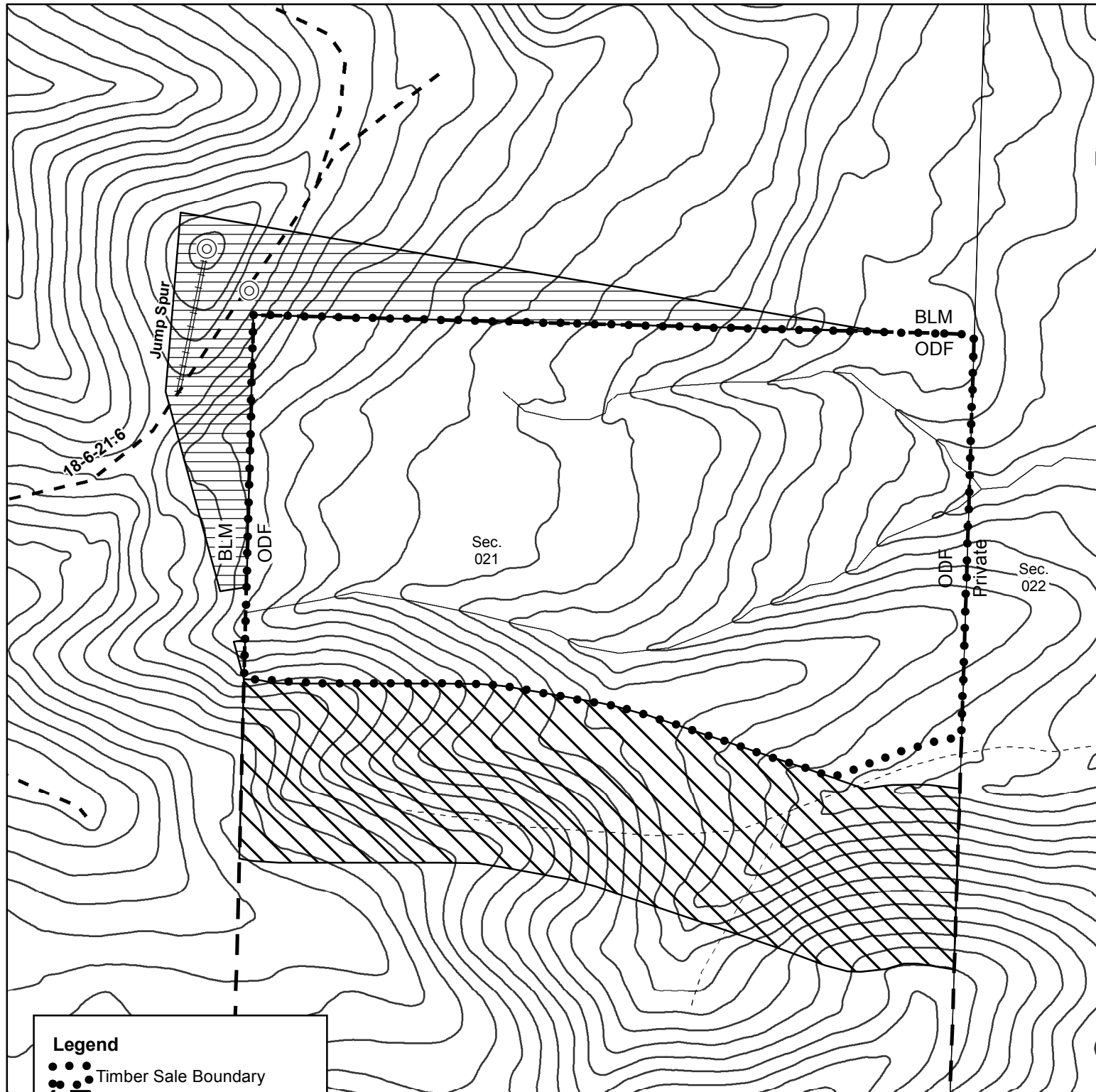
No trees will be removed within 330 feet of MMMA

When within 330 feet of MMMA

- Sound stumps will be favored as a first choice where safe to do so.
- Notching of the trees to prevent cable slippage will be limited to less than 1/3 the circumference of the tree.
- An ODF Biologist or a designee familiar with murrelet habitat and biology will inspect and approve tailhold trees before each is used. Lead time of at least two weeks for all reviews or meeting with ODF representatives is required.
- The use of chainsaws to notch trees for tailholds is restricted within 300 feet of MMMA between April 1st to September 15th.
- The following trees shall not be selected for tailholds:
 - Trees with potential nest platforms or immediately surrounding trees that provide cover to potential nest platforms.
 - Trees that contain murrelet nests.
 - Trees that are in a location that – when the skyline is lifted – potential suitable marbled murrelet platforms on other trees will be damaged by the lifted skyline. For example, this usually occurs when tailhold trees are located within the interior of a patch of potential marbled murrelet habitat trees.

Prepared By: Kevin Gehrig
Natural Resources Specialist

Date: February 13, 2018



Legend

- Timber Sale Boundary
- ODF Ownership
- BLM Right-of-way
- Chainsaw Restricted Area
- Surfaced road
- Old road bed - not driveable
- Blocked road
- Streams**
- Fish
- Nonfish
- Unknown
- Stream Buffer
- Landing

Logging Plan

OF TIMBER SALE CONTRACT NO. 341-18-133
CEDAR CREEK A
PORTIONS OF SECTION 21, T18S, R6W, W.M.
LANE COUNTY, OREGON

Appraised Cable Yarding

TOTAL NET ACRES = 18

Contours = 20 ft

0 125 250 500
Feet

1 inch = 250 feet

This product is for informational use
and may not have been prepared
for or be suitable for legal, engineering
or surveying purposes. Users of this information should
review or consult the primary data and information
sources to ascertain the usability of this information.



"STEWARDSHIP IN FORESTRY"