



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal  
Son in Law  
Sale WL-341-2024-W00626-01

District: Western Lane

Date: August 30, 2023

**Cost Summary**

	<b>Conifer</b>	<b>Hardwood</b>	<b>Total</b>
<b>Gross Timber Sale Value</b>	\$691,030.92	\$0.00	\$691,030.92
		<b>Project Work:</b>	(\$204,662.00)
		<b>Advertised Value:</b>	\$486,368.92



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**Timber Description**

**Location:** SECTION 2, T32S, R06W, W.M. DOUGLAS COUNTY, OREGON

**Stand Stocking:** 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	19	0	97
White Fir	12	0	97

Volume by Grade	2S	3S & 4S 6"-11"	12"+	6" - 11"	Camprun	Total
Douglas - Fir	1,564	502	0	0	0	2,066
White Fir	32	11	0	0	0	43
Incense Cedar	0	0	0	0	0	0
Sugar Pine	0	0	0	0	0	0
<b>Total</b>	1,596	513	0	0	0	2,109

**Comments:** INCENSE CEDAR AND OTHER CEDARS:  
STUMPAGE PRICE = POND VALUE – DOUG-FIR LOGGING COSTS  
\$91.41 = \$600 – \$508.59

SUGAR PINE AND OTHER PINES  
STUMPAGE PRICE = POND VALUE – DOUG-FIR LOGGING COSTS  
(-\$88.59) = \$420 - \$508.59

Other Hardwoods = \$0/MBF

Pulp Price (Conifer and Hardwoods) = \$2.00

Conifer Utility SC & PC = \$20

Hauling Cost Allowance = \$1,200/Day

Other Costs (with profit & risk added): None

Equipment wash prior to move-in: \$500

Landing slash piling and cover piles: \$2,500

BLM Road Use Fees: None

Final road maintenance: \$13,741

Total Other Costs(No Profit and Risk added) = \$16,741





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### Logging Costs

<b>Operating Seasons:</b> 2.00	<b>Profit Risk:</b> 14%
<b>Project Costs:</b> \$204,662.00	<b>Other Costs (P/R):</b> \$0.00
<b>Slash Disposal:</b> \$0.00	<b>Other Costs:</b> \$16,741.00

**Miles of Road**

**Road Maintenance:** \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	4.0	0.0	0.0

**Hauling Costs**

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	4.2
White Fir	\$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	Brand & Paint	Other	Total
<b>Douglas - Fir</b>									
\$275.78	\$4.20	\$4.16	\$153.27	\$0.00	\$61.24	\$0.00	\$2.00	\$7.94	\$508.59
<b>White Fir</b>									
\$275.78	\$4.20	\$4.16	\$153.27	\$0.00	\$61.24	\$0.00	\$2.00	\$7.94	\$508.59

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$842.41	\$333.82	\$0.00
White Fir	\$0.00	\$540.19	\$31.60	\$0.00



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### Summary

**Amortized**

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
White Fir	0	\$0.00	\$0.00

**Unamortized**

Specie	MBF	Value	Total
Douglas - Fir	2,066	\$333.82	\$689,672.12
White Fir	43	\$31.60	\$1,358.80

**Gross Timber Sale Value**

Recovery: \$691,030.92

Prepared By: Kylie Husman

Phone: --

**Son In Law**  
**WL-341-2024-W00626-01**  
**Combined Project Costs**

Project 1	Road Brushing	\$ 9,490.00
Project 2	Construct and compact sub-grades, Road Improvements, Culverts	\$ 70,022.00
Project 3	Spread and compact rock for Roads	\$ 120,350.00
Project 4	Move In	\$ 4,800.00
TOTAL PROJECT COSTS		\$ 204,662.00

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State Timber Sale Contract  
 Son In Law  
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## Road Brushing Costs

Location	Spur 1	B to C	D to E	E to F	E to G	Total
Miles	0.06	4.79	0.74	0.46	0.18	
Brushing Intensity	Light to Medium	Light	Light to Medium	Light to Medium	Light to Medium	
Cost/mile	\$ 1,718	\$ 1,464	\$ 1,718	\$ 1,718	\$ 1,718	
<b>Total Cost</b>	<b>\$ 103.09</b>	<b>\$ 7,005</b>	<b>\$ 1,273</b>	<b>\$ 793</b>	<b>\$ 316</b>	<b>\$ 9,490</b>

**Rocking and Compaction**

Rock Source:

Commercial

<b>Rock Quantity (Inplace)</b>										
Base Rock	A to B	B to C	Spur 1	Spur 1	D to E	E to F	Spur 1a	Spur 1b	Spur 1c	TOTAL
Rock Size	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Stations	33.84	252.70	3.19	13.74	39.10	24.37	15.70	5.11	1.26	389.00
Approx yds/sta				33			22	33	33	
<b>Subtotal base (cu. yds)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>0</b>	<b>0</b>	<b>350</b>	<b>170</b>	<b>40</b>	<b>1010</b>
<b>Cap Rock</b>										
Rock Size	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Stations	33.84	252.70	3.19	13.74	39.10	24.37	15.70	5.11	1.26	389.00
Approx yds/sta			11	11	11	11	11	11	11	
<b>Subtotal cap (cu. yds)</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>150</b>	<b>430</b>	<b>270</b>	<b>170</b>	<b>60</b>	<b>10</b>	<b>1130</b>
<b>Landings</b>										
Rock Size	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
# of landings					2.00	5.00	2.00			9.00
Approx yds/sta					40	40	40			
<b>Subtotal (cu. yds)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>200</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>360</b>
<b>Turnout/Around Rock</b>										
Rock Size	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Turnouts and Turn-Arounds				2	1					4.00
Approx cu. yds				10	10					
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>40</b>
<b>Spot and Curve Widening Rock</b>										
Rock Size	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Number of Points	4	10						3		
Approx cu. yds	10	10						10		
<b>Subtotal</b>	<b>40</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>0</b>	<b>170</b>
<b>Backfill/ Drain Rock</b>										
Rock Size	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Number of Points						1				
Approx cu. yds						10				10.00
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>
<b>ROCK COST (Rock + Delivery)</b>										
Road Segment/Name	A to B	B to C	Spur 1	Spur 1	D to E	E to F	Spur 1a	Spur 1b	Spur 1c	TOTAL
<b>Base Rock</b>	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Approx cu. yds	0	0	0	450	0	0	350	170	40	1010
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,561</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,436</b>	<b>\$ 7,012</b>	<b>\$ 1,650</b>	<b>\$ 41,659</b>
<b>Cap Rock</b>	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Approx cu. yds	0	0	40	150	430	270	170	60	10	1130
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,650</b>	<b>\$ 6,187</b>	<b>\$ 17,736</b>	<b>\$ 11,137</b>	<b>\$ 7,012</b>	<b>\$ 2,475</b>	<b>\$ 412</b>	<b>\$ 46,609</b>
<b>Landing Rock</b>	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Approx cu. yds	0	0	0	0	80	200	80	0	0	360
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,299.73</b>	<b>\$ 8,249.33</b>	<b>\$ 3,299.73</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 14,849</b>
<b>Turnout/Around Rock</b>	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Approx cu. yds	0	0	0	20	10	0	10	0	0	40
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 824.93</b>	<b>\$ 412.47</b>	<b>\$ -</b>	<b>\$ 412.47</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,649</b>
<b>Spot and Curve Widening Rock</b>	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Approx cu. yds	40	100	0	0	0	0	0	30	0	170
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ 1,649.87</b>	<b>\$ 4,124.67</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,237.40</b>	<b>\$ -</b>	<b>\$ 7,012</b>
<b>Backfill/ Drain Rock</b>	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	1 1/2'-0"	
Approx cu. yds	0	0	0	0	0	10	0	0	0	10
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 412</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 412</b>
<b>Energy Disipator/ Rip Rap Rock</b>	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	3'-0"	
Approx cu. yds	0	0	0	0	0	0	0	0	0	0
Cost/yd (includes load/spread)	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25	\$ 41.25
<b>Subtotal Cost</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Grand total quarry approx yds	40	100	40	620	520	480	610	260	50	2720
<b>Total Quarry Rock Cost</b>	<b>\$ 1,650</b>	<b>\$ 4,125</b>	<b>\$ 1,650</b>	<b>\$ 25,573</b>	<b>\$ 21,448</b>	<b>\$ 19,798</b>	<b>\$ 25,160</b>	<b>\$ 10,724</b>	<b>\$ 2,062</b>	<b>\$ 112,190</b>
<b>Compaction w/Processing (Stations)</b>										
Cost/cu. Yds	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	
<b>Subtotal Processing</b>	<b>\$ 120</b>	<b>\$ 300</b>	<b>\$ 120</b>	<b>\$ 1,860</b>	<b>\$ 1,560</b>	<b>\$ 1,440</b>	<b>\$ 1,830</b>	<b>\$ 780</b>	<b>\$ 150</b>	<b>\$ 8,160</b>
<b>\$/yd<sup>3</sup> rock in place &amp; compacted</b>	<b>A to B</b>	<b>B to C</b>	<b>Spur 1</b>	<b>Spur 1</b>	<b>D to E</b>	<b>E to F</b>	<b>Spur 1a</b>	<b>Spur 1b</b>	<b>Spur 1c</b>	<b>Total</b>
<b>Total Rock Costs</b>	<b>\$1,770</b>	<b>\$4,425</b>	<b>\$1,770</b>	<b>\$27,433</b>	<b>\$23,008</b>	<b>\$21,238</b>	<b>\$26,990</b>	<b>\$11,504</b>	<b>\$2,212</b>	<b>\$ 120,350</b>

Move-in included in subgrade construction  
 Due to rounding, the numbers in the table above may not add up to the totals shown.

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

State Timber Sale Contract  
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	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Stations	33.84	252.7	3.19	13.74	39.1	24.37	9.71	15.7	5.11	1.26	399
Cost/Sta	60.00	60.00	132.00	1,385.00	186.00	347.00	132.00	742.00	785.00	551.00	
<b>Cost</b>	<b>2,035.00</b>	<b>15,194.00</b>	<b>422.00</b>	<b>19,029.66</b>	<b>7,256.00</b>	<b>8,449.80</b>	<b>1,282.00</b>	<b>11,650.00</b>	<b>4,009.00</b>	<b>694.00</b>	<b>70,022.00</b>

**Earthwork**

	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Clearing and Grubbing											
Acreage	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	1,701.63	2.3
Cost/Acre	-	-	-	-	307	290	-	1,583	392	86	4,394.00
<b>Total</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

Excavation yards are bank run from State's design

	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Construction/Excavation											
Stations	155.27	155.27	155.27	241.82	155.27	155.27	155.27	155.27	155.27	155.27	
Cost/Station	2.29	2.29	2.29	3.18	2.29	2.29	2.29	2.29	2.29	2.29	
Drift/Excavation Cu Yd w Fluff											
Drift/Excavation S/yd	495.09	495.09	495.09	495.09	990.18	2,475.45	495.09	495.09	495.09	495.09	
Landing Construction											
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Culverts											
ACSP											
Length (ft)											
Diameter											
Cost/foot											
Replace culverts											
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

\* Aluminized Steel was used for costing purposes based on prices as of 06/20/19

**Subgrade Treatment**

	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Compaction w/ Roller Surface Rock											
Road Stations	71.88	71.88	71.88	71.88	71.88	71.88	71.88	71.88	71.88	71.88	110.92
Cost/STA	-	-	230	230	2,811	1,752	698	1,129	368	91	8,067
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

	A to B	B to C	Spur 1	Spur 1	D to E	E to F	E to G	Spur 1a	Spur 1b	Spur 1c	TOTAL
Grade and Shape (including ditch and culvert cleaning)											
Road Stations	60.12	60.12	60.12	60.12	60.12	60.12	60.12	60.12	60.12	60.12	397.46
Cost/STA	2,035	15,194	192	192	2,351	1,466	584	944	308	76	23,977
<b>Subtotal</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

	Initial	Between Projects
Move in Cost		
D-7 Cat	\$ 1,000	
Dump Truck x 2	\$ 400	
grader	\$ 800	
small excavator	\$ 500	
vibratory roller	\$ 500	
water truck	\$ 100	
large excavator	\$ 1,500	

<b>Project Cost</b>	\$	70,022.00
<b>Move In Cost</b>	\$	4,800
<b>Total Cost</b>	\$	74,822.00

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

State Timber Sale Contract  
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 Son In Law

**Final Road Maintenance Cost Summary**

<b>Totals</b>	A to B	B to C	D to E	E to F	E to G	Spur 1	Spur 1a	Spur 1b	Spur 1c	<b>TOTAL</b>
Stations	33.84	252.7	39.1	24.37	9.71	16.93	15.7	5.11	1.26	
Cost/Sta	\$ 30.54	\$ 28.14	\$ 34.01	\$ 55.79	\$ 18.35	\$ 42.72	\$ 24.72	\$ 18.35	\$ 18.35	
<b>Total Cost</b>	<b>\$ 1,033.46</b>	<b>\$ 7,112.05</b>	<b>\$ 1,329.99</b>	<b>\$ 1,359.69</b>	<b>\$ 178.18</b>	<b>\$ 723.17</b>	<b>\$ 388.10</b>	<b>\$ 93.77</b>	<b>\$ 23.12</b>	<b>\$ 12,241</b>

<b>Spot Rocking</b>	A to B	B to C	D to E	E to F	E to G	Spur 1	Spur 1a	Spur 1b	Spur 1c	<b>TOTAL</b>
Total Yds	10	60	10	10		10				
Rock Size	1 1/2"-0"	1 1/2"-0"	1 1/2"-0"	1 1/2"-0"		1 1/2"-0"				
\$/yd	\$41.25	\$41.25	\$41.25	\$41.25		\$41.25				
Subtotal	\$ 413	\$ 2,475	\$ 413	\$ 413	\$ -	\$ 413				\$ 4,124

<b>Grade,Shape &amp; Pull Ditches</b>	A to B	B to C	D to E	E to F	E to G	Spur 1	Spur 1a	Spur 1b	Spur 1c	<b>TOTAL</b>
Stations	33.84	252.70	39.10	24.37	9.71	16.93	15.70	5.11	1.26	
\$/STA	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	\$ 18.35	
Subtotal	\$ 621	\$ 4,637	\$ 717	\$ 447	\$ 178	\$ 311	\$ 288	\$ 94	\$ 23	\$ 7,316

<b>Landing clean up</b>	A to B	B to C	D to E	E to F	E to G	Spur 1	Spur 1a	Spur 1b	Spur 1c	<b>TOTAL</b>
Stations			2.00	5.00						
\$/STA			\$ 100.00	\$ 100.00			\$ 100.00			
Subtotal			\$ 200	\$ 500			\$ 100			\$ 800

<b>Move In</b>	Initial	Between Proj.
Grader	\$ 500	
Vibratory Roller		
D * Cat		
Excavator	\$1,000	
Dump Truck		

Move in costs associated with one entry for the entire project

**Total Final Maintenance Costs** **\$ 13,741**

# Cruise Report

Son In Law  
SALE #341-2024-W00626-01

**Sale Area:** Portions of Section 2, T32S, R06W, W.M., Douglas County, Oregon. The sale's net harvestable acres are 85. Net acres do not include the 9 acres of stream and road buffers, and 4 acres of green tree retention. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

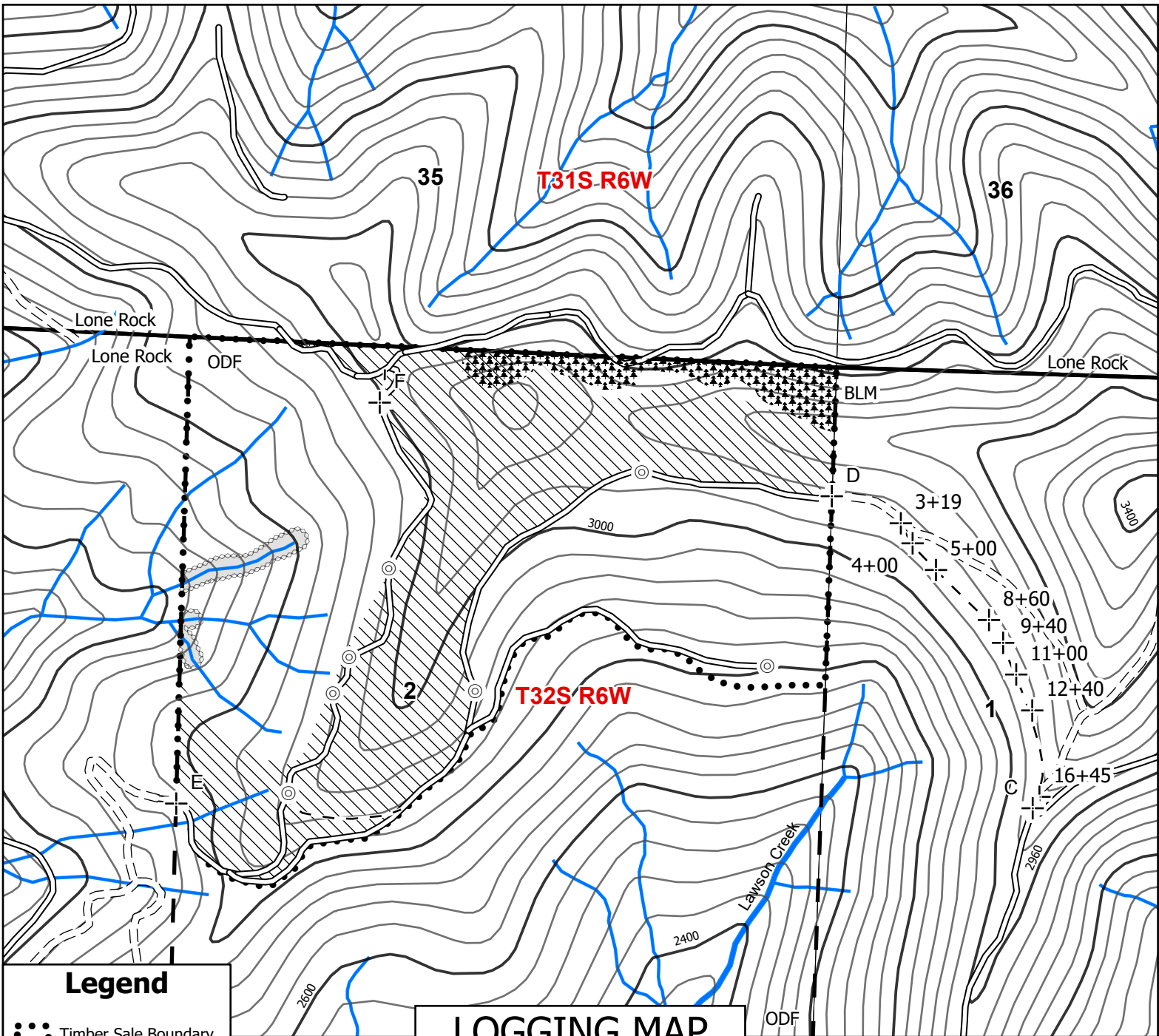
**Stand Description:** Son in Law is dominated by Douglas-fir. A small component of incense cedar, white-fir, and sugar pine are present. The understory consists primarily of salal, sword fern, bracken fern, Oregon grape, salmonberry, poison oak, western hemlock, and some minor hardwood species. Much of the timber sale area on the East side is moderately steep ranging from 30-50% slopes and the Western portion of the timber sale is moderately steep with portions of ground ranging from 50-65% slopes. The middle of the sale is mostly flat with slopes ranging from 0-40% slopes. This sale contains 2 perennial buffered non fish streams. This unit has a 4-acre green tree retention area, which is located at the northern portion of the unit. This unit was appraised for both cable and ground-based systems.

**Cruise Method:** This timber sale was not cruised. Cutout data from the adjacent timber sale, Lawson Creek was used to calculate the grade volume percentage, total MBF, and MBF/acre volume. Son in Law was calculated by using the percent change in acreage size, using a 5% volume reduction, and adding 14% to each grade/MBF due to an increase in acreage from the stand this data was pulled from.

**Volume Table:** Volumes were computed using cut-out data from Lawson Creek Timber Sale.

Species	AVG. DBH	Total MBF	Grades by MBF			
			2S	3S	4S	Camp Run
Douglas-fir	19"	2066	1564	434	68	--
White Fir	12"	43	32	9	2	--
					<b>Total MBF</b>	<b>2109</b>

\*Numbers may differ due to rounding



**Legend**

- Timber Sale Boundary
- ODF Ownership
- Stream Buffer
- Green Tree Retention
- Landing to Construct
- Project Points
- Ground Based

**Roads**

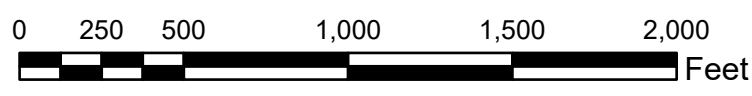
- All weather
- Dirt
- New Construction

**Streams**

- Fish
- Nonfish

**LOGGING MAP**

OF TIMBER SALE CONTRACT NO. 341-2024-W00626-01  
 SON IN LAW  
 PORTIONS OF SECTION 2, T32S, R6W, W.M.  
 DOUGLAS COUNTY, OREGON



Yarding  
 Ground Based: 48%  
 Cable: 52%



This product is for informational use  
 and may not have been prepared  
 for or be suitable for legal, engineering  
 or surveying purposes.

Scale: 1: 7,000  
 Contours = 40ft