



"STEWARDSHIP IN FORESTRY"

Timber Sale Appraisal
Lawson Creek
Sale WL-341-2021-W00621-01

District: Western Lane

Date: October 29, 2020

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$767,537.71	\$0.00	\$767,537.71
		Project Work:	(\$182,150.24)
		Advertised Value:	\$585,387.47



Timber Sale Appraisal
Lawson Creek
Sale WL-341-2021-W00621-01

District: Western Lane

Date: October 29, 2020

Timber Description

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

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	19	0	100
Grand Fir	12	0	100
Incense Cedar	30	0	100
Sugar Pine	39	0	100

Volume by Grade	2S	3S & 4S 6"-11"	Camprun	6" - 11"	Total
Douglas - Fir	1,100	701	0	0	1,801
Grand Fir	0	0	64	0	64
Incense Cedar	0	0	0	283	283
Sugar Pine	0	0	23	0	23
Total	1,100	701	87	283	2,171

Comments: Other Hardwoods Stumpage Price = $\$0.01/\text{ton} \times 27 \text{ ton/load} \times 1 \text{ load}/3.4 \text{ mbf} = \$0.08/\text{mbf}$
Pulp Price (Conifer and Hardwood) Price = $\$0.01/\text{Ton}$
Conifer Utility SC & PC = $\$80/\text{MBF}$
Hauling Cost Allowance = equivalent to $\$950$ daily truck cost.
Other Costs (With Profit & Risk to be added): None.
Other Costs (No Profit & Risk added)
Equipment wash = $\$500$
Yumm yarding cost = $\$5,000$
Dust Abatement for Woods Creek Road Cost = $\$1,500.95$
Juniper Rock Replacement Fee = $\$1,403.75$
Firewood sorting and landing slash piling = $\$2,000$
Final Road Maintenance = $\$20,420$
BLM Road Maintenance Fees = $\$2,786$
TOTAL Other Costs (No Profit and Risk added) = $\$33,611$



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Logging Costs

Operating Seasons: 2.00	Profit Risk: 16%
Project Costs: \$182,150.24	Other Costs (P/R): \$0.00
Slash Disposal: \$0.00	Other Costs: \$33,611.00

Miles of Road

Road Maintenance: \$0.00

Dirt	Rock (Contractor)	Rock (State)	Paved
1.0	3.0	0.0	0.0

Hauling Costs

Species	\$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	3.0	4.0
Grand Fir	\$0.00	3.0	4.0
Incense Cedar	\$0.00	3.0	4.0
Sugar Pine	\$0.00	3.0	4.0



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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
Douglas - Fir									
\$247.63	\$3.66	\$4.04	\$79.17	\$0.00	\$53.52	\$0.00	\$2.00	\$15.48	\$405.50
Grand Fir									
\$247.63	\$3.66	\$4.04	\$79.17	\$0.00	\$53.52	\$0.00	\$2.00	\$15.48	\$405.50
Incense Cedar									
\$247.63	\$3.66	\$4.04	\$79.17	\$0.00	\$53.52	\$0.00	\$2.00	\$15.48	\$405.50
Sugar Pine									
\$247.63	\$3.66	\$4.04	\$79.17	\$0.00	\$53.52	\$0.00	\$2.00	\$15.48	\$405.50

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$784.21	\$378.71	\$0.00
Grand Fir	\$0.00	\$525.00	\$119.50	\$0.00
Incense Cedar	\$0.00	\$680.00	\$274.50	\$0.00
Sugar Pine	\$0.00	\$412.00	\$6.50	\$0.00



"STEWARDSHIP IN FORESTRY"

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Lawson Creek
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District: Western Lane

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Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	\$0.00	\$0.00
Grand Fir	0	\$0.00	\$0.00
Incense Cedar	0	\$0.00	\$0.00
Sugar Pine	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,801	\$378.71	\$682,056.71
Grand Fir	64	\$119.50	\$7,648.00
Incense Cedar	283	\$274.50	\$77,683.50
Sugar Pine	23	\$6.50	\$149.50

Gross Timber Sale Value

Recovery: \$767,537.71

Prepared By: Ross Huffman

Phone: 541-972-1840

State Timber Sale Contract
 Lawson Creek
 WL-341-2021-W00621-01

Road Brushing Costs

Location	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G
Point to Point/Satationing	0+00 to 10+94	0+00 to 5+52	0+00 to 1+88	A to B	B to C	D to E	E to F	F to G
Miles	0.21	0.105	0.049	3.65	3.34	1.81	1.15	1.23
Brushing Intensity	Light to Medium	Light to Medium	Light to Medium	Light	Light to Medium	Light to Medium	Light to Medium	Light to Medium
Cost/mile	\$ 1,350	\$ 1,350	\$ 1,350	\$ 1,150	\$ 1,350	\$ 1,350	\$ 1,350	\$ 1,350
Total Cost	\$ 284	\$ 142	\$ 66	\$ 4,198	\$ 4,509	\$ 2,444	\$ 1,553	\$ 1,661
								\$ 14,854

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

Totals	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Stations	10.94	5.52	1.88	192.55	176.31	95.77	60.91	64.94	610
Cost/\$ta	\$ 401.00	\$ 469.00	\$ 1,156.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 47.00	
Cost	\$ 4,385.00	\$ 2,587.00	\$ 2,173.41	\$ 4,673.00	\$ 4,279.00	\$ 2,324.00	\$ 1,478	\$ 3,036.00	\$ 24,935.00

Earthwork

Clearing and Grubbing	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Acreage	0.314	0.094	0.149					0.0895	0.557
Cost/Acre	\$1,519.53	\$1,519.53	\$1,519.53	\$1,519.53	\$1,519.53	\$1,519.53	\$1,519.53	\$1,519.53	
Total	\$ 478	\$ 143	\$ 226	\$ -	\$ -	\$ -	\$ -	\$ 136	\$ 983.00

Excavation yards are bank run from Slate's design

Construction/Excavation	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Stations	1	1	0.5					0.5	
Drift/Excavation Cu Yd w Fluff	1076	617	530					413	
\$/sta	\$138.66	\$138.66	\$138.66	\$138.66	\$138.66	\$138.66	\$138.66	\$138.66	
Drift/Excavation \$/yd	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	
Landing Construction	\$442.11	\$442.11	\$442.11	\$442.11	\$442.11	\$442.11	\$442.11	\$442.11	
Subtotal	\$ 3,272	\$ 2,124	\$ 1,837	\$ -	\$ -	\$ -	\$ -	\$ 1,545	\$ 8,778.00

Subgrade Treatment

Compaction w/ Roller Surface Rock	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Road Stations	10.94	5.52	1.88	192.55	176.31	95.77	60.91	64.94	608.82
Cost/\$TA	\$ 22.95	\$ 22.95	\$ 22.95	\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal	\$ 252	\$ 127	\$ 44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 423

Grade and Shape (Including ditch and culvert cleaning)

	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Road Stations	10.94	5.52	1.88	192.55	176.31	95.77	60.91	64.94	608.82
Cost/\$TA	\$ 34.96	\$ 34.96	\$ 34.96	\$ 24.26	\$ 24.26	\$ 24.26	\$ 24.26	\$ 20.86	
Subtotal	\$ 383	\$ 193	\$ 66	\$ 4,673	\$ 4,279	\$ 2,324	\$ 1,478	\$ 1,355	\$ 14,751

Move in Cost	Initial	Between Projects
D-7 Cat	\$ 1,500	
Dump Truck	\$ 200	
grader	\$ 500	
small excavator	\$ 500	
vibratory roller	\$ 200	
water truck	\$ 100	
large excavator	\$ 1,500	

Project Cost	\$ 24,935.00
Move In Cost	\$ 4,500
Total Cost	\$ 29,435.00

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

Horizontal Curve Widening

Sale: Lawson Creek

Typical Stinger Steared with 40' Logs
Length (L) 31

Road	Horizontal Curve	Arc length Delta "Δ"	Radius "R"	OFF TRACKING"OT"	Rock Total Cu. Yds
	D to E	190	110	60	70
	D to E	76	85	50	30
	E to F	228	110	70	70
	E to F	206	110	70	70
	E to F	169	120	70	50
	E to F	114	100	50	50
Total					340

Equations

$$L = (L1^2 - L2^2 + L3^2)^{1/2}$$

$$OT = (R - (R^2 - L^2)^{1/2}) [1 - \exp(-0.015\Delta(R/L) + 0.216)]$$

PROOF CHECK

$$ODF \text{ MANUAL} = \frac{400}{\text{Radius}}$$

Final Road Maintenance Cost Summary

Totals	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Stations	10.94	5.52	1.88	192.55	176.31	95.77	60.91	64.94	
Cost/Sta	\$ 40.90	\$ 46.18	\$ 95.21	\$ 24.01	\$ 44.15	\$ 24.02	\$ 30.82	\$ 22.40	
Total Cost	\$ 447.49	\$ 254.90	\$ 178.99	\$ 4,622.62	\$ 7,784.41	\$ 2,300.78	\$ 1,877.25	\$ 1,454.33	\$ 18,920

Spot Rocking	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Total Yds				40	40	20	40		
Rock Size				Stockpile	Stockpile	Stockpile	Stockpile		
\$/yd				\$15.17	\$15.17	\$15.17	\$15.17		
Subtotal				\$ 607	\$ 607	\$ 303	\$ 607		\$ 2,124

Grade, Shape & Pull Ditches	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Stations	10.94	5.52	1.88	192.55	176.31	95.77	60.91	64.94	
\$/STA	\$ 20.86	\$ 20.86	\$ 20.86	\$ 20.86	\$ 20.86	\$ 20.86	\$ 20.86	\$ 20.86	
Subtotal	\$ 228	\$ 115	\$ 39	\$ 4,016	\$ 3,677	\$ 1,997	\$ 1,270	\$ 1,354	\$ 12,696

Install Waterbars	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
# of waterbars	3.00	1.00	1.00		88.00				
\$/waterbar	\$39.78	\$39.78	\$39.78		\$39.78				
Subtotal	\$ 119.33	\$ 39.78	\$ 39.78		\$ 3,500.48				\$ 3,699.00

Landing clean up	Spur 1a	Spur 1b	Spur 2	A to B	B to C	D to E	E to F	F to G	TOTAL
Stations	1.00	1.00	1.00					1.00	
\$/STA	\$ 100.00	\$ 100.00	\$ 100.00					\$ 100.00	
Subtotal	\$ 100	\$ 100	\$ 100					\$ 100	\$ 400

Move In	Initial	Betw een 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

\$ 20,420

Bear Pit Development Summary

Rock Size	Amount (cubic yards)
Pit Run	3000

1. Mobilization and Set up

Equipment	Quantity	Rate	Cost
Excavator	1	\$1,581.00	\$ 1,581.00
D6 Cat	1	\$ 875.00	\$ 875.00
Loader		\$1,441.79	-
Trucks	2	\$ 368.33	\$ 736.66
Water Truck	1	\$ 281.67	\$ 281.67
Subtotal			\$ 3,474.33

2. Clearing and Grubbing

Location	Acreage	Rate	Cost
Overburden	0.25	\$1,519.53	\$ 379.88
Subtotal			\$ 379.88

3. Excavation

Description	Hours	Rate	Cost
Access Improvement	4	\$ 426.00	\$ 1,704.00
Overburden Removal	8	\$ 155.00	\$ 1,240.00
Subtotal			\$ 2,944.00

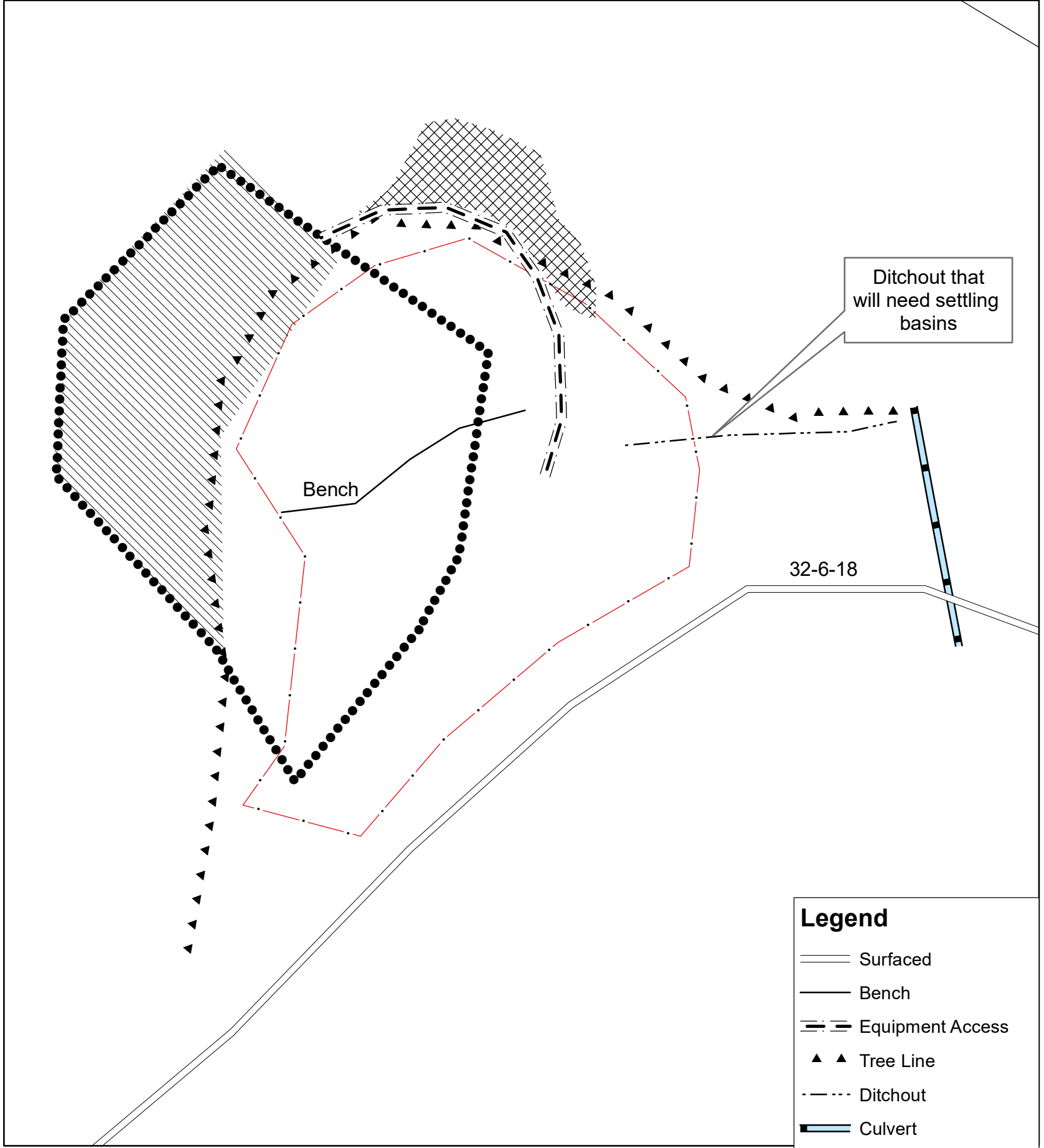
4. Develop Rock

Method	Quantity	Rate	Cost
Ripping	2290	\$ 2.20	\$ 5,038.17
Load Truck	3000	\$ 1.00	\$ 3,000.00
Subtotal			\$ 8,038.17

5. Hauling and Loading Costs

	Quantity	Rate	Cost
Hauling	0.16	\$ 90.00	\$ 14.40
Load + Dump	0.16	\$ 90.00	\$ 14.40
Total Cost Per Truck Load			\$ 28.80
Cost per Cubic Yard	10	\$ 28.80	\$ 2.88
Total cost for Hauling + Loading	3000	\$ 2.88	\$ 8,640.00
Subtotal			\$ 8,640.00

TOTAL COSTS	\$ 23,476.38
COST / CUBIC YARD	\$ 7.83



Legend

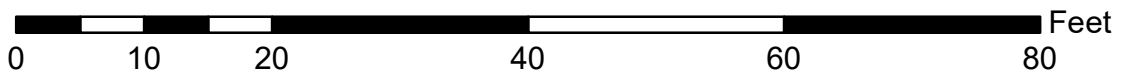
- ==== Surfaced
- Bench
- - - - Equipment Access
- ▲ ▲ Tree Line
- - - - Ditchout
- ▬▬▬ Culvert
- ▧▧▧ Waste Area
- ▨▨▨ Overburden Removal
- Rock Source Area
- . - . Existing Quarry Floor

Streams

- Nonfish
- - - - ODF Ownership

Bear Pit Development Plan

OF TIMBER SALE CONTRACT NO. 341-2021-W00621-01
 LAWSON CREEK
 SECTION 2, T32S, R06W, W.M.
 DOUGLAS COUNTY, OREGON



Cub Pit Development Summary

Rock Size	Amount (cubic yards)
Pit Run	2760

1. Mobilization and Set up

Equipment	Quantity	Rate	Cost
Excavator		\$1,581.00	\$ -
D6 Cat		\$ 875.00	\$ -
Loader		\$1,441.79	\$ -
Trucks		\$ 368.33	\$ -
Water Truck		\$ 281.67	\$ -
Subtotal			\$ -

*mobilization costs accounted for in Bear pit

2. Clearing and Grubbing

Location	Acreage	Rate	Cost
Overburden	0.125	\$1,519.53	\$ 189.94
Subtotal			\$ 189.94

3. Excavation

Description	Hours	Rate	Cost
Access Improvement		\$ 426.00	\$ -
Overburden Removal	4	\$ 155.00	\$ 620.00
Subtotal			\$ 620.00

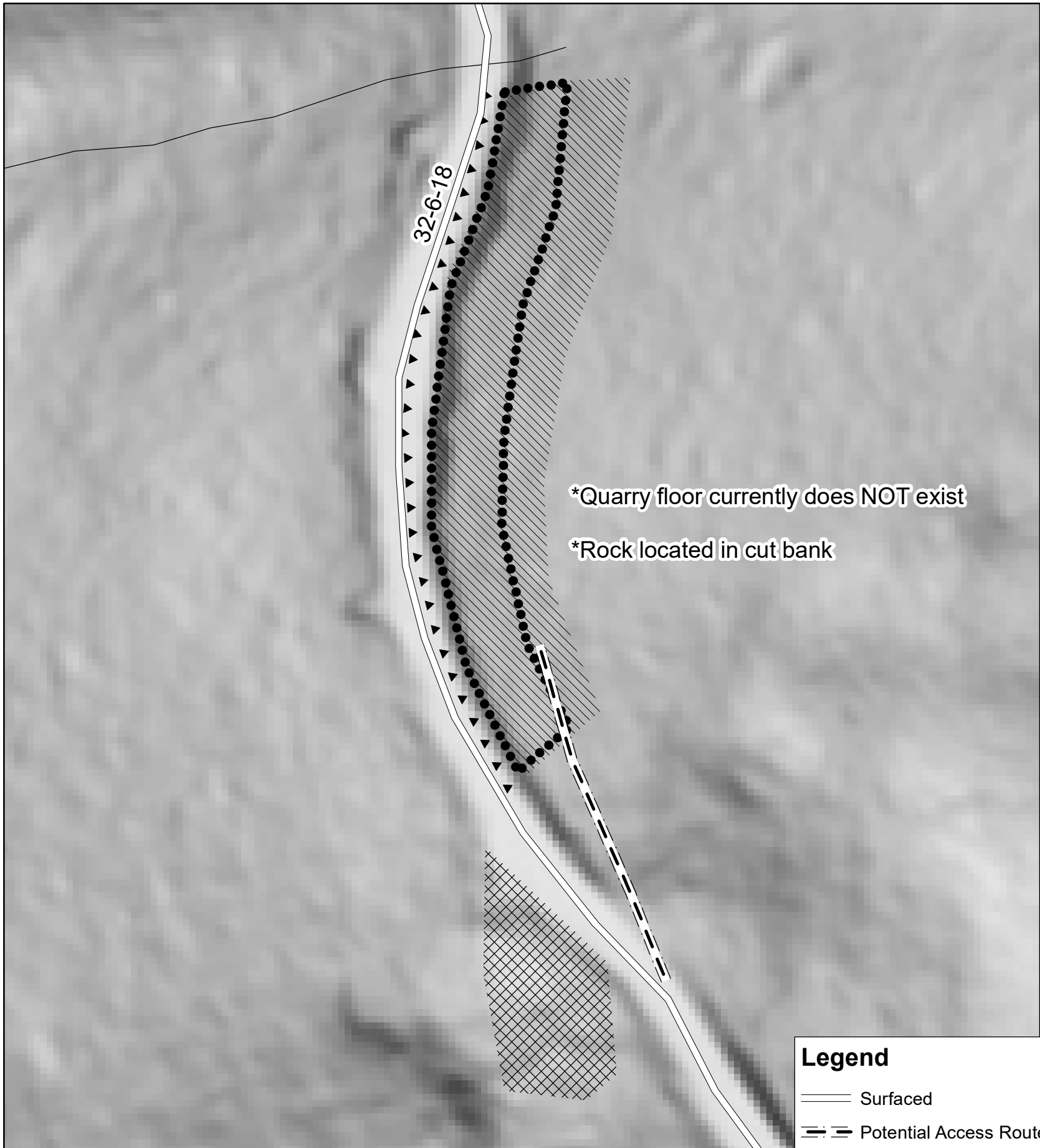
4. Develop Rock

Method	Quantity	Rate	Cost
Ripping	2107	\$ 2.20	\$ 4,635.11
Load Truck	2760	\$ 1.00	\$ 2,760.00
Subtotal			\$ 7,395.11

5. Hauling and Loading Costs

	Quantity	Rate	Cost
Hauling	0.33	\$ 90.00	\$ 29.70
Load + Dump	0.16	\$ 90.00	\$ 14.40
Total Cost Per Truck Load			\$ 44.10
Cost per Cubic Yard	10	\$ 44.10	\$ 4.41
Total cost for Hauling + Loading	2760	\$ 4.41	\$ 12,171.60
Subtotal			\$ 12,171.60

TOTAL COSTS	\$ 20,376.66
COST / CUBIC YARD	\$ 7.38

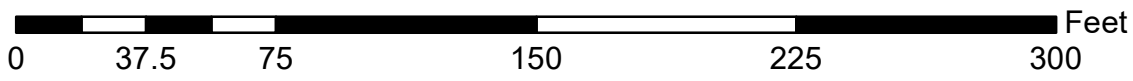


*Quarry floor currently does NOT exist
 *Rock located in cut bank



Cub Pit Development Plan

OF TIMBER SALE CONTRACT NO. 341-2021-W00621-01
 LAWSON CREEK
 SECTION 2, T32S, R07W, W.M.
 DOUGLAS COUNTY, OREGON



Legend

- Surfaced
- Potential Access Route
- Tree Line
- Waste Area
- Overburden Removal
- Rock Source Area

Streams

- Nonfish
- ODF Ownership

Seeding And Mulching

Mulch	Rate	Acres	# of Bales	Cost/Bale	Cost of Mulch
	1 ton/Acre	0.06	2	\$ 5.00	\$ 10

Seed	Rate "lbs./Acre"	Acres	Lbs. of Seed	Cost/Bag	Cost of Seed
	100	0.06	6.00	\$ 70.00	\$ 70.00

Personnel	Personnel	Rate	Hrs./Acre	Cost/Acre	Cost of Personnel
	1	\$ 30.00	6	\$ 180.00	\$ 10.80

Seed and Mulch Cost	Acres	\$/Acre	Total Cost
	0.14	\$ 648.57	\$ 90.80

Total Project Cost \$ 90.80

Rocking and Compaction

Commercial

Rock Quantity (Inplace)					
Base Rock	Spur 2	D to E	E to F	F to G	TOTAL
Rock Size	Bear Pit	Bear Pit	Bear Pit	Cub Pit	
Stations	1.88	95.77	60.91	64.94	224.00
Approx yds/sta	44		44		
Subtotal base (cu. yds)	80	0	2680	2860	5620
Cap Rock	Spur 2	D to E	E to F	F to G	TOTAL
Rock Size	Stockpile	Stockpile	Stockpile	Stockpile	
Stations	1.88	95.77	60.91	64.94	224.00
Approx yds/sta	17		17	17	
Subtotal cap (cu. yds)	30	0	1040	1100	2170
Landings	Spur 2	D to E	E to F	F to G	TOTAL
Rock Size	Bear Pit	Bear Pit	Bear Pit	Bear Pit	
Stations	2.00	0.00	0.00	1.00	3.00
Approx yds/sta	40			40	
Subtotal base (cu. yds)	80	0	0	40	120
Additional Rock	Spur 2	D to E	E to F	F to G	TOTAL
Rock Size	Bear Pit	Bear Pit	Bear Pit	Bear Pit	
Turnouts and Turn-Arounds				1	1.00
Approx cu. yds				20	
Subtotal Tunouts/Around (cu. yds)	0	0	0	20	20
Rock Size	Stockpile	Stockpile	Stockpile	Stockpile	
Number of Points		10	24		
Curve Widening/Spot Rocking (Yds)	10	10	10	10	
Subtotal Spot/Widening Rock	0	100	240	0	340
ROCK COST (Rock + Delivery)					
Road Segment/Name	Spur 2	D to E	E to F	F to G	TOTAL
Rock Size	Bear Pit	Bear Pit	Bear Pit	Cub Pit	
Approx cu. yds	80	0	2680	2860	5620
Cost/yd (includes load/spread)	\$ 7.83	\$ 7.83	\$ 7.83	\$ 7.38	
Subtotal Cost "Base" Rock	\$ 626	\$ -	\$ 20,972	\$ 21,115	\$ 42,713
Rock Size	Stockpile	Stockpile	Stockpile	Stockpile	
Approx cu. yds	30	0	1040	1100	2170
Cost/yd (includes load/spread)	\$ 13.37	\$ 13.37	\$ 13.37	\$ 13.37	
Subtotal Cost "Cap" Rock	\$ 401	\$ -	\$ 13,909	\$ 14,711	\$ 29,021
Rock Size	Bear Pit	Bear Pit	Bear Pit	Bear Pit	
Approx cu. yds Tunouts/Arounds	0	0	0	20	20
Cost/yd (includes load/spread)	\$ 7.83	\$ 7.83	\$ 7.83	\$ 7.83	
Subtotal	\$0.00	\$0.00	\$0.00	\$156.51	
Rock Size	Stockpile	Stockpile	Stockpile	Stockpile	
Approx cu. Yds Spot/Widening	0	100	240	0	340
Cost/yd (includes load/spread)	\$ 13.37	\$ 13.37	\$ 13.37	\$ 13.37	
Subtotal	\$0.00	\$1,337.40	\$3,209.76	\$0.00	
Subtotal Cost "Additional" Rock	\$ -	\$ 1,337	\$ 3,210	\$ 157	\$ 4,704
Approx cu. yds Landing					
Rock Size	Bear Pit	Bear Pit	Bear Pit	Bear Pit	
Approx cu. yds	80	0	0	40	120
Cost/yd (includes load/spread)	\$ 7.83	\$ 7.83	\$ 7.83	\$ 7.83	
Subtotal Cost "Landing" Rock	\$ 626	\$ -	\$ -	\$ 313	\$ 939
Grand total quarry approx yds	190	100	3960	4020	8270
Total Quarry Rock Cost	\$ 1,653	\$ 1,337	\$ 38,091	\$ 36,296	\$ 77,377
Compaction w/Processing (Stations)	Spur 2	D to E	E to F	F to G	TOTAL
Cost/cu. Yds	\$2.00	\$2.00	\$2.00	\$2.00	
Subtotal Processing	\$ 380	\$ 200	\$ 7,920	\$ 8,040	\$ 16,540
\$/yd³ rock in place & compacted	Spur 2	D to E	E to F	F to G	Total
Total Rock Costs	\$2,033	\$1,537	\$46,011	\$44,336	\$ 93,917

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

"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>
Equipment wash prior to move-out	Operation			\$ 500
Yumm Yarding Costs	Operation			\$ 5,000
Dust Abatement Costs	Operation			\$ 1,500.95
Juniper Rock Replacement Fee	Operation			\$ 1,403.75
Firewood sorting and landing slash piling	Operation			\$ 2,000
BLM Road Maintenance Fee	Operation			\$ 2,786
Final Road Maintenance	Operation			\$ 20,420

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

\$ 33,611

2,171 MBF

Cost per MBF

\$ 15.48

Lawson Creek
WL-341-2021-W00621-01
Combined Project Costs

Project 1	Road Brushing	\$ 14,854.40
Project 2	Construct and compact sub-grades, Road Improvements, Culverts	\$ 24,935.00
Project 3	Pit Development	\$ 43,853.04
Project 4	Seeding and Mulching	\$ 90.80
Project 5	Spread and compact rock for Roads	\$ 93,917.00
Project 6	Move In	\$ 4,500.00
TOTAL PROJECT COSTS		\$ 182,150.24

Cruise Report

Lawson Creek

SALE # 341-2021-W00621-01

Sale Area: Portions of Section 2, T32S, R06W, W.M., Douglas County, Oregon. The sale's net harvestable acres are 75. There are approximately 16 acres of stream and road buffers. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

Stand Description: Lawson Creek is dominated by 79 and 52 year old Douglas-fir. A small component of incense cedar, golden chinkapin, pacific madrone, grand-fir, sugar pine and canyon live oak (other hardwoods). The understory consists of primarily salal, sword fern, bracken fern, Oregon grape, salmonberry, and poison oak. The majority of the timber sale area on the East side is steep ranging from 50%-65% slopes and the Western portion of the timber sale is mostly flat with slopes that are primarily 0%-30%. There are four small type N streams branching off on to one small type F stream running through the middle of the timber sale area. This unit was appraised for both ground and cable based operations.

Cruise Method: Unit 1 was cruised using a 62 and 40 BAF to a six-inch top, no smaller than a 9" DBH and calculated with the SuperACE program.

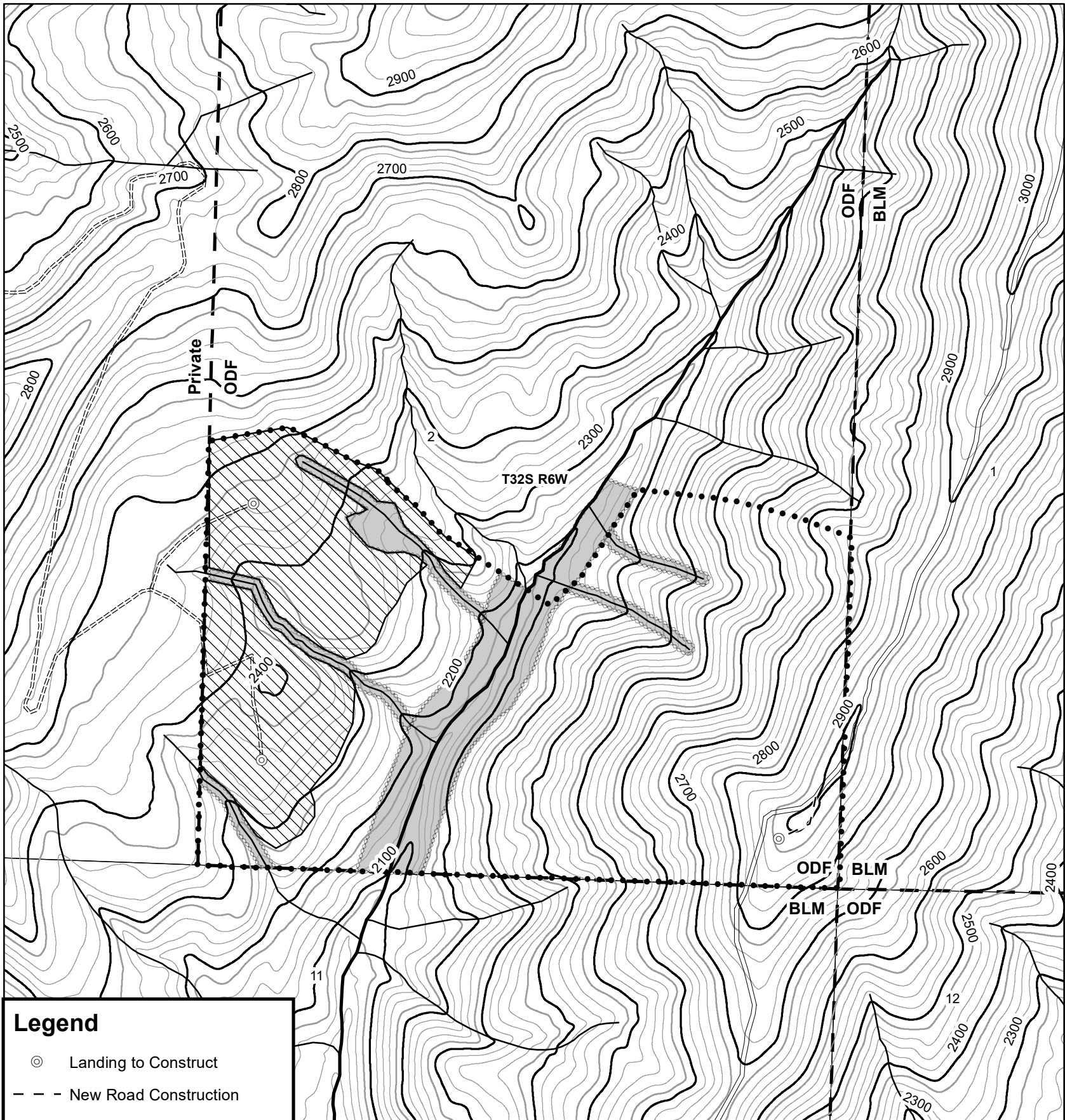
Volume Tables: Volumes were computed using the SuperACE program.

Unit 1 Net Cruised Volume (MBF)

Species	Avg. DBH	2 Saw	3 Saw	4 Saw	Camp Run	Sub-Total
Douglas-fir	18.9	1100	459	242		1801
Incense Cedar	29.8				283	283
Golden chinkapin	15.7				65	65
Pacific Madrone	11.5				96	96
Grand-Fir	12.1				64	64
Sugar Pine	39				23	23
Other Hardwoods	14.5				7	7

Sub-Total (MBF): 2339
Merchantable (MBF): 2171
Merchantable (MBF)/Acre: 29

*Numbers may be different from units due to rounding.



Legend

- ⊙ Landing to Construct
- - - New Road Construction
- ==== Surfaced road
- ===== Dirt/Primitive Road - driveable
- Timber Sale Boundary
- [Grid Pattern] Ground Based
- [Dashed Box] ODF Ownership

Streams

- Fish
- Nonfish
- Unknown
- [Hatched Area] Stream Buffers

Logging Map

OF TIMBER SALE CONTRACT NO. 341-2021-W00621-01
 LAWSON CREEK
 SECTION 2, T32S, R06W, W.M.
 DOUGLAS COUNTY, OREGON

TOTAL NET ACRES = 75



"STEWARDSHIP IN FORESTRY"

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.

Contours = 20'

