

District: Western Lane Date: October 04, 2018

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$1,502,336.08	\$780.25	\$1,503,116.33
		Project Work:	(\$104,689.00)
		Advertised Value:	\$1,398,427.33

10/04/18



District: Western Lane Date: October 04, 2018

Timber Description

Location: Portions of Section 10, T17S, R7W, W.M., Lane County, OR

Stand Stocking: 60%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	97
Maple	14	0	95

Volume by Grade	28	3S & 4S 6"- 11"	Camprun	Total
Douglas - Fir	2,904	820	0	3,724
Maple	О	0	25	25
Total	2,904	820	25	3,749

Comments: Pond Values Used: Forest to Market Prices August 2018.

Western hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Costs: \$286.42/MBF = \$658/MBF - \$371.58/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Costs: \$1,008.42/MBF = \$1,380/MBF - \$371.58/MBF

Red alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Costs: \$384.42/MBF = \$756/MBF - \$371.58/MBF

Pulp Price (Conifer and Hardwood) Price = \$25/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):

BLM Road Use Fee = \$28,196.59

Final Road Maintenance = \$13,063

TOTAL Other Costs (No Profit and Risk added) = \$41,260



District: Western Lane Date: October 04, 2018

Logging Conditions

 Combination#: 1
 Douglas - Fir
 93.00%

 Maple
 93.00%

mapro 00.007/0

yarding distance: Long (1,500 ft) downhill yarding: No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 8 bd. ft / load: 4000

cost / mbf: \$249.39

machines: Log Loader (A)

Forwarder Harvester

Tower Yarder (Large)

Combination#: 2 Douglas - Fir 7.00%

Maple 7.00%

Logging System: Shovel **Process:** Harvester Head Delimbing

yarding distance: Short (400 ft) downhill yarding: No

tree size: Mature / Regen Cut (900 Bft/tree), 3-5 logs/MBF

loads / day: 7 bd. ft / load: 3100

cost / mbf: \$246.27
machines: Forwarder

Harvester



District: Western Lane Date: October 04, 2018

Logging Costs

Operating Seasons: 1.00

Profit Risk: 10%

Project Costs: \$104,689.00

Other Costs (P/R): \$0.00

Slash Disposal: \$0.00

Other Costs: \$41,260.00

Miles of Road

Road Maintenance:

\$0.00

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

Hauling Costs

Species	\$/MBF	Trips/Day	MBF / Load		
Douglas - Fir	\$0.00	3.0	4.5		
Maple	\$0.00	2.0	3.0		



Timber Sale Appraisal Iron Mountain

Sale WL-341-2019-W00579-01

District: Western Lane Date: October 04, 2018

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas -	Fir								
\$249.17	\$3.15	\$1.17	\$72.48	\$0.00	\$32.60	\$0.00	\$2.00	\$11.01	\$371.58
Maple									
\$249.17	\$3.21	\$1.17	\$166.25	\$0.00	\$41.98	\$0.00	\$2.00	\$11.01	\$474.79

Specie	Amortization Pond Value		Stumpage	Amortized
Douglas - Fir	\$0.00	\$775.00	\$403.42	\$0.00
Maple	\$0.00	\$506.00	\$31.21	\$0.00



District: Western Lane Date: October 04, 2018

Summary

Amortized

Specie	MBF	MBF Value	
Douglas - Fir	0	\$0.00	\$0.00
Maple	0	\$0.00	\$0.00

Unamortized

Specie	MBF	MBF Value	
Douglas - Fir	3,724	\$403.42	\$1,502,336.08
Maple	25	\$31.21	\$780.25

Gross Timber Sale Value

Recovery: \$1,503,116.33

Prepared By: Kevin Gehrig Phone: 541-935-2283

Iron Mountain WL-341-2019-W00579-01 Combined Project Costs

Project 1	New construction and rocking.	\$90,579.00
Project 2	Move-In.	\$4,500.00
Project 3	Spot rock and maintenance on the 17-7-9 rd.	\$5,645.00
Project 4	Roadside brushing on the 17-7-9 Rd.	\$3,965.00

TOTAL PROJECT COSTS

\$104,689.00

Summary of "Other Costs" for Timber Sale Appraisals

Iron Mountain WL

WL-341-2019-W00579-01

"Other Costs"	with I	Profit a	nd Risk	to b	e Added:
---------------	--------	----------	---------	------	----------

None

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

\$0

"Other Costs" With No Additional Profit and Risk

			<u>Units</u>	Quantity	Cost/Unit	To	tal Cost
Final Road Maintena	ance		Operation			\$	13,063
BLM Road Use Fee			Operation			\$ 2	28,196.59
Total "Other Cos	ts" With No	Additional Profit and Risk:				\$	41,260
Cost per MBF	3,847	MBF				\$	10.73

New Road Construction Costing

VVL-541-2	019-000379-01			Summ	narv:				
		Т	otal cons	truction Cost				\$	35,195.00
		A	verage co	st per station	1			\$	1,006
Road	Spur 1 (Stationing 0+00 to 20+80)			_					
Segment	0+00 to 20+80								
						Quantity			Sub total
	Clearing and Grubbing note: Clearing debris may be scattered	on slope		per station n 50 percent	@	20.8 stations	=	\$	2,916.00
	Balance/Standard Subgrade construction	_							
	Drift/Balance Cut	\$		per station	@	18.8 stations	=	\$	4,210.00
	Landing Construction	\$	446.47	per landing	@	1 landings	=	\$	446.00
	End Haul Subgrade Construction								
	Stump End Haul/Clearing debris	\$	7.56	per stump	@	24 stumps	=	\$	181.00
	Clearing debris	\$	50.00	per Load	@	3 Loads	=	\$	150.00
	Waste End Haul	\$	3.85	per Cu. Yd.	@	2860 Cu. Yds.	=	\$	11,011.00
	Subgrade preparation	\$	51 92	per station	@	20.8 stations	=	\$	1,078.00
	Install Geo Fabric	\$ \$		per station per roll	@	1 roll	=	۶ \$	450.00
		·		•				·	
			ruction C					\$	20,442.00
	Constr	uction (Cost per S	station	=			\$	983
Road	Spur 1a (Stationing 0+00 to 7+20)			_					
						Quantity			Sub total
	Clearing and Grubbing note: Clearing debris may be scattered	on slope		per station n 50 percent	@	7.2 stations	=	\$	1,009.00
	Balance/Standard Subgrade construction	=							
	Drift/Balance Cut	\$		per station	@	7.2 stations	=	\$	2,050.00
	Landing Construction	\$	446.47	per landing	@	1 landings	=	\$	446.00
	Subgrade preparation	\$	51.82	per station	@	7.2 stations	=	\$	374.00
	Subtot	al Const	ruction C	Cost				\$	3,879.00
			Cost per S		_			\$	539
D I					_				
Road	Spur 1b (Stationing 0+00 to 5+00)			=		Quantity			Sub total
	Clearing and Grubbing		\$140.19	per station	@	5.0 stations	=	\$	701.00
	note: Clearing debris may be scattered		es less tha	n 50 percent					
	Balance/Standard Subgrade construction	=							
	Drift/Balance Cut	\$		per station	@	5.0 stations	=	\$	1,261.00
	Landing Construction	\$	446.47	per landing	@	1 landings	=	\$	446.00
	Subgrade preparation	\$	51.82	per station	@	5.0 stations	=	\$	260.00
	Subtot	al Const	ruction C	`ost				\$	2,668.00
			Cost per S		=			\$	534
Road	17-7-9 Rd (Stationing 0+00 to 86+70)			_					
	Grading, Ditches, Inlets and outlets.	\$	42.74	per station	@	86.7 stations	=	\$	3,706.00
	Equipment move in Costs:							\$	4,500.00
	Total Subgrade Construction Cost for Roa	ds:						\$	35,195.00

State Timber Sale Contract Iron Mountain WL-341-2019-W00579-01

Culvert Installation Costing

Summar	٠,٠
Julilliai	у.

Total pipe install cost \$ 7,980.00

Culvert List: Spur 1

			ı
N/I	ate	ria	ı

Culvert No.	Purpose	Location	Diameter (in)	Length (ft)	Material Type	Gauge	Culver	rt Cost	Couplers	Inst	allation	Sub	Total
1	Cross Drain	0+00	18	40	ACSP	16	\$	610.00	\$ 30.00	\$	640.00	\$	1,280.00
2	Cross Drain	3+00	18	40	ACSP	16	\$	610.00	\$ 30.00	\$	640.00	\$	1,280.00
3	Cross Drain	6+50	18	40	ACSP	16	\$	610.00	\$ 30.00	\$	640.00	\$	1,280.00
4	Cross Drain	15+00	18	40	ACSP	16	\$	610.00	\$ 30.00	\$	640.00	\$	1,280.00
5	Cross Drain	19+00	18	40	ACSP	16	\$	610.00	\$ 30.00	\$	640.00	\$	1,280.00
							Pipe trans	port and c	lelivery			\$	300.00
										To	ntal	\$	6 700 00

Culvert List: Spur 1a

Material

Culvert No.	Purpose	Location	Diameter (in)	Length (ft)	Material Type	Gauge	Culvert Cost	Couplers	Installation	Sub Total
1	Cross Drain	0+00	18	40	ACSP	16	\$ 610.00	\$ 30.00	\$ 640.00	\$ 1,280.00

Rock and Processing Costing

Summary:

5 11 20	019-000579-01										•			
					Tota	al Rocking	g Cost						\$	57,549.00
				Q	uantity of loos	e truck ag	ggregate. C	u. Yd	S.					2000.00
Road	Spur 1 (Stationing 0+	-00 to 20+80	<u>)</u>											
Segment	0+00 to 20+80													
Jeginent	Purpose	,	Location	n	Type	Loos	e Truck	0	uantity per Station		Cost	Processing		Subtotal
	Base	0+00	to	20+80	3"-0"	690	Cu. Yds.	@	33 Cu. Yds. / sta	\$	25.09 +	\$ 2.00 per Cu. Yds	i. \$	18.693.00
	Сар	0+00	to	20+80	3/4"-0"	350	Cu. Yds.	@	17 Cu. Yds. / sta	\$	25.69 +			9,692.00
	Landing	0+00	20+80		Jaw Run	40	Cu. Yds.	w	17 Cu. 105. / Sta	\$	25.09 +	\$ 2.00 per Cu. Yds		1,084.00
(Curve Widening	Dotorn		v STATE	3"-0"	50	Cu. Yds.			\$		\$ 2.00 per Cu. Yds		1,355.00
	Turnout	Detern	10+29	,	3 -0 3"-0"	10	Cu. Yds.			۶ \$	25.09 +			271.00
	Turnout		16+60		3 -0 3"-0"	10	Cu. Yds.		10 Cu. Yds/Spot	\$ \$	25.09 +	\$ 2.00 per Cu. Yds		271.00
	Turnout		19+30		3 -0 3"-0"	10	Cu. Yds.	@ @	10 Cu. Yds/Spot	\$ \$		\$ 2.00 per Cu. Yds		271.00
г.		Λ± α.				50	Cu. Yds.	ш	10 Cu. Yas/Spot	\$ \$				
EI	nergy dissipator	At Cu	ılvert ou	luers	Pit Run	50	Cu. Yus.		Cultura	-		\$ 2.00 per Cu. Yds		2,483.00
Road	Spur 1a (Stationing 0),00 +a 7,20	٥١						Subtota	II Koci	k Cost		\$	34,120.00
Noau	Spui 1a (Stationing o	7+00 (0 7+20	<u> </u>											
Segment	0+00 to 7+20													
0	Purpose	ı	Location	n	Type	Loos	e Truck	Q	uantity per Station		Cost	Processing		Subtotal
	Base	0+00	to	5+00	3"-0"	170	Cu. Yds.	@	33 Cu. Yds. / sta	\$	25.09 +	\$ 2.00 per Cu. Yds	i. \$	4,606.00
	Base	5+00	to	7+20	3"-0"	100	Cu. Yds.	@	44 Cu. Yds. / sta	\$	25.09 +	\$ 2.00 per Cu. Yds	. \$	2,709.00
	Сар	0+00	to	5+00	3/4"-0"	90	Cu. Yds.	@	17 Cu. Yds. / sta	\$	25.69 +	\$ 2.00 per Cu. Yds	. \$	2,493.00
	Landing		7+20		Jaw Run	60	Cu. Yds.			\$	25.09 +	\$ 2.00 per Cu. Yds	i. \$	1,626.00
(Curve Widening	Detern	nined b	y STATE	3"-0"	20	Cu. Yds.			\$	25.09 +	\$ 2.00 per Cu. Yds	. \$	542.00
Tur	nout/Turnaround	Betwee	en 5+00	to 7+20	3"-0"	20	Cu. Yds.	@	10 Cu. Yds/Spot	\$	25.09 +	\$ 2.00 per Cu. Yds	i. \$	542.00
	•							_	Subtota	l Roci			\$	12,518.00
Road	Spur 1b (Stationing C)+00 to 5+0(ე)											
Segment	0+00 to 5+00													
Segment														
		1	ocation	1	Type	Loos	e Truck	Oı	uantity per Station		Cost	Processing		Subtotal
	Purpose		Location to		Type		e Truck		uantity per Station	\$		Processing	\$	Subtotal
	Purpose Base	0+00	to	3+00	3"-0"	100	Cu. Yds.	@	33 Cu. Yds. / sta	\$ \$	25.09 +	\$ 2.00 per Cu. Yds		2,709.00
	Purpose Base Base	0+00 3+00	to to	3+00 5+00	3"-0" 3"-0"	100 90	Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta	\$	25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	. \$	2,709.00 2,439.00
	Purpose Base Base Cap	0+00	to to to	3+00	3"-0" 3"-0" 3/4"-0"	100 90 50	Cu. Yds. Cu. Yds. Cu. Yds.	@	33 Cu. Yds. / sta	\$	25.09 + 25.09 + 25.69 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$	2,709.00 2,439.00 1,385.00
	Purpose Base Base Cap Landing	0+00 3+00 3+00	to to to 5+00	3+00 5+00 5+00	3"-0" 3"-0" 3/4"-0" Jaw Run	100 90 50 60	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta	\$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$	2,709.00 2,439.00 1,385.00 1,626.00
	Purpose Base Base Cap Landing Curve Widening	0+00 3+00 3+00 Detern	to to to 5+00 mined b	3+00 5+00 5+00 y STATE	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0"	100 90 50 60 20	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ i. \$	2,709.00 2,439.00 1,385.00 1,626.00 542.00
	Purpose Base Base Cap Landing	0+00 3+00 3+00 Detern	to to to 5+00 mined b	3+00 5+00 5+00	3"-0" 3"-0" 3/4"-0" Jaw Run	100 90 50 60	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ ii. \$ ii. \$ iii. \$ iii. \$ iii. \$ iiii. \$ iiiii. \$ iiiii. \$ iiiiii. \$ iiiiiiiiii	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00
Tur	Purpose Base Base Cap Landing Curve Widening nout/Turnaround	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by	3+00 5+00 5+00 y STATE	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0"	100 90 50 60 20	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ i. \$	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00
	Purpose Base Base Cap Landing Curve Widening	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by	3+00 5+00 5+00 y STATE	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0"	100 90 50 60 20	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ ii. \$ ii. \$ iii. \$ iii. \$ iii. \$ iiii. \$ iiiii. \$ iiiii. \$ iiiiii. \$ iiiiiiiiii	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00
Tur	Purpose Base Base Cap Landing Curve Widening nout/Turnaround	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by	3+00 5+00 5+00 y STATE	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0"	100 90 50 60 20	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ ii. \$ ii. \$ iii. \$ iii. \$ iii. \$ iiii. \$ iiiii. \$ iiiii. \$ iiiiii. \$ iiiiiiiiii	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00
Tur Road	Purpose Base Base Cap Landing Curve Widening nout/Turnaround	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by	3+00 5+00 5+00 y STATE to 5+00	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0"	100 90 50 60 20 10	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 +	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	i. \$ i. \$ ii. \$ ii. \$ iii. \$ iii. \$ iii. \$ iiii. \$ iiiii. \$ iiiii. \$ iiiiii. \$ iiiiiiiiii	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00
Tur Road	Purpose Base Base Cap Landing Curve Widening nout/Turnaround 17-7-9 Rd (Stationing)	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by en 3+00 +70)	3+00 5+00 5+00 y STATE to 5+00	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0" 3"-0"	100 90 50 60 20 10	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot Subtota	\$ \$ \$ \$	25.09 + 25.09 + 25.69 + 25.09 + 25.09 + 25.09 + k Cost	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00 8,972.00
Tur Road	Purpose Base Base Cap Landing Curve Widening nout/Turnaround 17-7-9 Rd (Stationing 0+00 to 86+70 Purpose	0+00 3+00 3+00 Detern Betwee	to to to 5+00 mined by en 3+00 +70)	3+00 5+00 5+00 y STATE to 5+00	3"-0" 3"-0" 3/4"-0" Jaw Run 3"-0" 3"-0"	100 90 50 60 20 10	Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds. Cu. Yds.	@ @ @	33 Cu. Yds. / sta 44 Cu. Yds. / sta 17 Cu. Yds. / sta 10 Cu. Yds/Spot Subtota	\$ \$ \$ \$ al Roc l	25.09 + 25.09 + 25.69 + 25.09 + 25.09 + k Cost	\$ 2.00 per Cu. Yds \$ 2.00 per Cu. Yds	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2,709.00 2,439.00 1,385.00 1,626.00 542.00 271.00 8,972.00

State Timber Sale Contract WL-341-2019-W00579-01 Iron Mountain

Final Road Maintenance Cost Summary

Totals	Spur 1	9	Spur 1a	9,	Spur 1b	17-7-9	7	ΓΟΤΑL
Stations	20.80		7.20		5.00	87.00		
Cost/Sta	\$ 118.22	\$	199.82	\$	271.35	\$ 66.76		
Total Cost	2459		1439		1357	5808	\$	11,063

Spot Rocking		Spur 1	Spur 1a	Spur 1b	17-7-9	TOTAL
Total Yds		50	30	30	100	
Rock Size		1 1/2"-0"	1 1/2"-0"	1 1/2"-0"	1 1/2"-0"	
	\$/yd	\$25.69	\$25.69	\$25.69	\$25.69	
	Subtotal	\$ 1,284	\$ 771	\$ 771	\$ 2,569	\$ 5,395

Grade, Shape & Pull								
Ditches	Spur 1	9	Spur 1a	9	Spur 1b	17-7-9	Т	OTAL
Stations	20.80		7.20		5.00	87.00		
\$/STA	\$ 37.24	\$	37.24	\$	37.24	\$ 37.24		
Subtotal	\$ 775	\$	268	\$	186	\$ 3,240	\$	4,469

Landing clean up	Spur 1	0,	Spur 1a	0,	Spur 1b	17	7-7-9	Т	OTAL
Stations	1.00		1.00		1.00				
\$/STA	\$ 400.00	\$	400.00	\$	400.00				
Subtotal	\$ 400	\$	400	\$	400	\$	-	\$	1,200

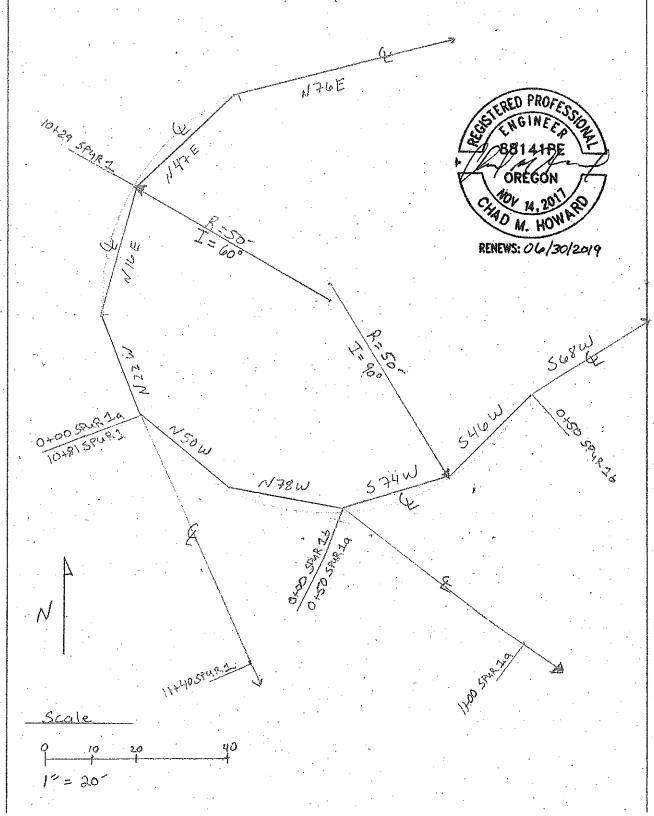
Move In	Initial				
Grader	\$	500			
Vibratory Rolloer					
D * Cat					
Excavator		\$1,500			
Dump Truck					

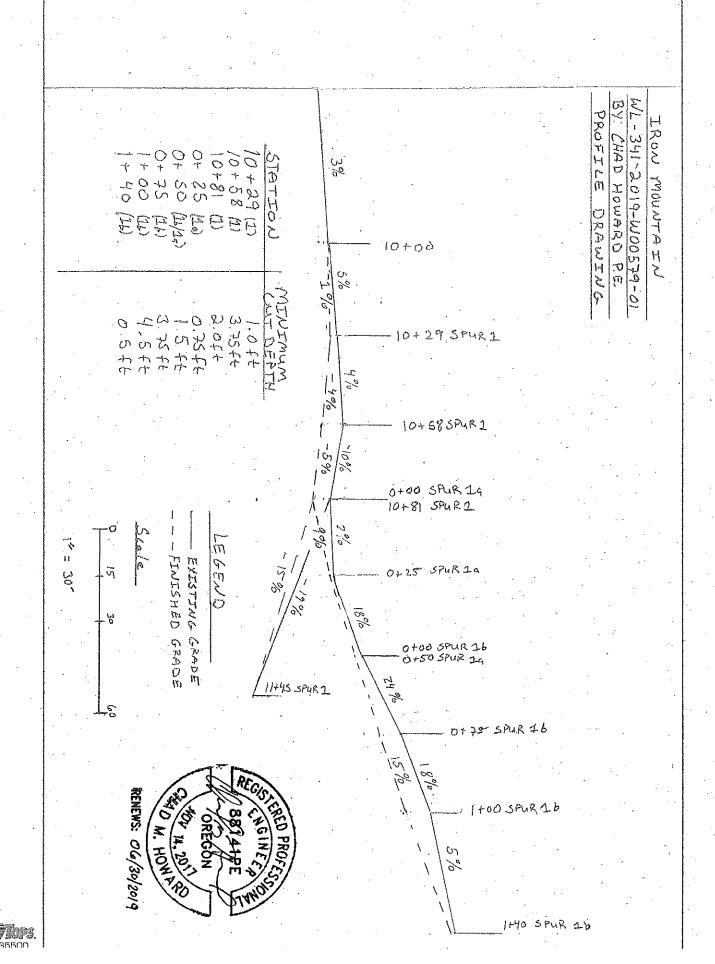
Move in costs associated with one entry for the entire project

Total Final Maintenance Costs

\$ 13,063

IRON MOUNTAIN
WL-341-2019-WOO579-01
BY CHAD HOWARD PE
PLAN DRAWING





Cruise Report

Iron Mountain SALE # 341-2019-W00579

Sale Area: Portions of Section 10, T17S, R7W, W.M., Lane County, Oregon. The sale's net harvestable acres are 76. There are approximately 5 acres of stream buffers and roads. Acres were determined using a combination of aerial photos, GPS, GIS, and topographic maps.

Stand Description: Iron Mountain is dominated by 81 year old Douglas-fir. A small component of Bigleaf maple, western hemlock, western red cedar and Red alder are present. The majority of the hardwood component is concentrated near the draws. The understory consists of primarily sword fern, salal, Oregon grape, salmonberry, oxalis, and vine maple. The slopes are primarily 65% and above throughout the unit. There are three streams located in the timber sale area, one small type N in the Northern portion of the unit, one small type N in the NW portion of the unit, and one small type N that runs through the SW portion of the unit. This unit was appraised for cable based operations.

Cruise Method: Cut-out data from the Wildcat and Aha Pataha Timber Sales were used for grade volume percentage. Cut-out data from the South Chicken Timber Sale was used for total MBF and MBF/acre volume.

Volume Tables: Volumes were computed using the SuperACE program.

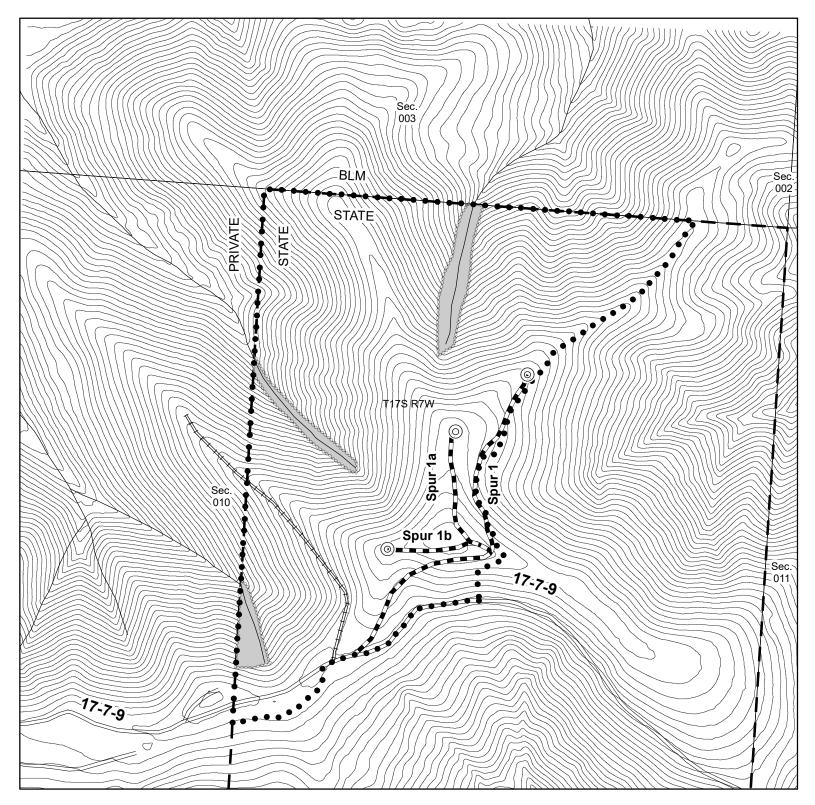
Area 1 Net Cruised Volume (MBF)

Species	Avg. DBH	Special Mill	2 Saw	3 Saw	4 Saw	Camp Run	Sub-Total
Douglas-fir	18		2904	745	75		3724
Big leaf maple	14					25	25

Total (MBF): 3749

Note: A breakage and defect was applied to the volume in the appraisal.

Average MBF/Acre: 49



Legend

Timber Sale Boundary

ODF Ownership
Surfaced road

── Old road bed - not driveable

■■ New Construct

Nonfish

Stream Buffer

Landing to Construct

Logging Map

OF TIMBER SALE CONTRACT NO. 341-19-W00781
IRON MOUNTAIN
PORTIONS OF SECTION 10, T17S, R7W, W.M.
LANE COUNTY, OREGON

0 250 500 1,000 Fee

1 inch = 500 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.

Yarding Ground base = 7% Cable = 93%

Contours = 20ft



"STEWARDSHIP IN FORESTRY"