

Sale KL-341-2020-GF9718-02

District: Northeast Date: March 13, 2020

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$71,220.39	\$0.00	\$71,220.39
		Project Work:	\$0.00
		Advertised Value:	\$71,220.39



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District: Northeast Date: March 13, 2020

Timber Description

Location: T. 7s R.44e Sec. 32

Stand Stocking: 40%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	14	0	90
White Fir	16	0	90
Ponderosa Pine	12	0	90
Western Larch	12	0	90

Volume by Grade	6" - 7"	8"+	Camprun	12"+	8" - 11"	Total
Douglas - Fir	96	587	0	0	0	683
White Fir	0	0	24	0	0	24
Ponderosa Pine	0	0	0	191	239	430
Western Larch	31	53	0	0	0	84
Total	127	640	24	191	239	1,221

Comments: Pond Vales Used: Local Pond Values, February 2020

Log Markets: La Grande, Elgin, Pilot Rock. Other Costs (no Profit & Risk): None

Other Costs (with Profit & Risk to be added):

Pre-commercial thinning, \$14,250.00

ROAD MAINTENANCE General Road Maintenance:

Limited Use Road 6.16 miles x \$750.00 per mile = \$4,620.00 Closed Road 1.22 miles x \$900.00 per mile = \$1,098.00 Roadway Brushing 1.05 miles x \$800.00 per mile = \$840.00

Total Road Maintenance: \$6,558.00, \$5.37 per MBF

3/31/20



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Logging Conditions

Combination#: 1 Douglas - Fir 100.00%

White Fir 100.00%
Ponderosa Pine 100.00%
Western Larch 100.00%

Logging System: Wheel Skidder Process: Harvester Head Delimbing

yarding distance: Medium (800 ft) downhill yarding: Yes

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 9 bd. ft / load: 4200

cost / mbf: \$136.77
machines: Forwarder
Harvester

3/31/20



Sale KL-341-2020-GF9718-02

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Logging Costs

Operating Seasons: 1.00

Profit Risk: 10%

Project Costs: \$0.00

Slash Disposal: \$0.00

Other Costs (P/R): \$14,250.00

Other Costs: \$0.00

Miles of Road

Road Maintenance:

\$5.37

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

Hauling Costs

Species	\$/MBF	Trips/Day	MBF / Load
Douglas - Fir	\$0.00	2.0	4.0
White Fir	\$0.00	2.0	4.0
Ponderosa Pine	\$0.00	2.0	4.0
Western Larch	\$0.00	2.0	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								
\$136.77	\$5.91	\$3.59	\$130.62	\$11.67	\$28.86	\$0.00	\$2.00	\$0.00	\$319.42
White Fir									
\$136.77	\$5.91	\$3.59	\$130.62	\$11.67	\$28.86	\$0.00	\$2.00	\$0.00	\$319.42
Ponderosa	Pine								
\$136.77	\$5.91	\$3.59	\$130.62	\$11.67	\$28.86	\$0.00	\$2.00	\$0.00	\$319.42
Western L	arch								
\$136.77	\$5.91	\$3.59	\$130.62	\$11.67	\$28.86	\$0.00	\$2.00	\$0.00	\$319.42

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$403.13	\$83.71	\$0.00
White Fir	\$0.00	\$319.42	\$0.00	\$0.00
Ponderosa Pine	\$0.00	\$341.09	\$21.67	\$0.00
Western Larch	\$0.00	\$375.71	\$56.29	\$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
Ponderosa Pine	0	\$0.00	\$0.00
Western Larch	0	\$0.00	\$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	683	\$83.71	\$57,173.93
White Fir	24	\$0.00	\$0.00
Ponderosa Pine	430	\$21.67	\$9,318.10
Western Larch	84	\$56.29	\$4,728.36

Gross Timber Sale Value

Recovery: \$71,220.39

Prepared By: Mike Billman Phone: 541-362-6760

Sparta-GNA KL-341-2020-GF9718-02

Other Costs

Maintenance Limited Use Road

Number of Miles to be Maintained: 6.16

> Cost per Mile: \$ 750.00 Total Cost: \$ 4,620.00 Cost/Mbf: \$ 3.78

Sparta-GNA KL-341-2020-GF9718-02 Other Costs

Maintenance Closed Road

Number of Miles to be Maintained: 1.22

Cost per Mile: \$ 900.00 Total Cost: \$ 1,098.00 Cost/Mbf: \$ 0.90

Sparta-GNA KL-341-2020-GF9718-02 Other Costs

Roadway Clearing and Brushing

Number of Miles to be Maintained: 1.05

800.00

Cost per Mile: \$ Total Cost: \$ 840.00 Cost/Mbf: \$ 0.69

SPARTA-GNA KL-341-2020-GF9718-02 Other Costs

Project #1 Fell, Lop and Scatter, Pre-Commercial Thinning

Number of Acres to be Thinned: 95

Cost per Acre: \$ 150.00

Total Cost: \$14,250.00

Cost/Mbf: \$ 11.67

Sparta-GNA KL-341-2020-GF9718-02

Project Costs

Project #4 Fell, Skid, Process and Deck Submerchantable Material (Included in Logging costs)

Total Sub-Sawlog Volume: 148 MBF

Fell, Skid, Process and Deck/MBF: \$136.00

Total \$20,128.00 per MBF \$16.48

Summary of Project Work



Sparta-GNA KL-341-2020-GF9718-02

Project No. 1: Pre-Commercial Thinning \$14,250.00

Project No. 2: Roadway Brushing and Clearing Included in Rd. Mnt.

Project No. 3 Road Closures Included in Rd. Mnt.

Project No. 4: Removal of Sub-Merch Logs Included in Logging Cost

Total: \$14,250.00

Sparta-GNA KL-341-2020-GF9718-02 Cruise Report



SALE NAME: Sparta-GNA

LEGAL DESCRIPTION:

Portions of Sections 29, 30, 31 and 32, T7S, R44E, W.M., Baker County, Oregon.

BOUNDARY LINES:

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

ACREAGE:

Gross Sale Acreage: 275 Acres

Exclusion Acreage 0 Acres

Net Sale Acreage: 275 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 partial cut harvest.

CRUISE METHOD:

Variable plot cruise with all plots measured.

BASAL AREA FACTOR:

Area	BAF	Type Acreage
Area 1	20 BAF	275

MEASUREMENTS AND GRADING:

- DBH and Height were measured on all "in" trees for measure plots.
- All trees were graded using the segment system.

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:

9.0" DBH for sawlog volume.

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:

AREA	CV%	SE%	ACRES
Area 1	93.4	12	275

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 (bf)	Net Vol/Acre (bf)	Net Sale Vol (Mbf)
Douglas-fir	14.8	2,697	2,477	683
White fir	16.2	103	96	24
Ponderosa pine	12.4	2,340	2,092	430
W larch	12.1	359	305	84
	Total	5,498	4,971	1,221

TOTAL NET SAWLOG VOLUME: 1,221 MBF

TC PST	ATS				<u>PR</u> PR	STICS RTA			PAGE DATE	1 3/16/2020			
TWP RGE		SC	TRACT	7	ГҮРЕ		AC	RES	PLOTS	TREES	CuFt	BdFt	
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						TREES		ESTIMATED TOTAL	PERCENT SAMPLE				
		PL	OTS	TREES		PER PLOT		TREES		TREES			
TOTA			60	110		1.8				_			
CRUISE DBH COUNT REFOREST COUNT			51	110		2.2		16,792		.7			
BLAN 100 %			9										
100 /					STA	ND SUMM	ARY						
			MPLE REES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC	
PONI	DEROS		51	34.6	12.4	46	8.2	28.9	2,340	2,092	540	540	
DOU			50	21.1	14.8	48	6.6	25.2	2,697	2,477	573	573	
W LA			7	4.7	12.1	45	1.1	3.7	359	305	80	80	
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	DEROS G FIR				L	100 152		126 178		5	10		
PONI	DEROS G FIR LRCH		81.5 55.9	11.4 7.9	L	100	113 165	126		5	10		
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PONI DOUG CL SD: PONI CON TOTA CL SD: PONI DOUG W LA CON TOTA CL SD: PONI DOUG W LA	DEROS G FIR RCH FIR AL 68.1 1.0 DEROS G FIR RCH FIR AL		81.5 55.9 68.2 4.6 68.6 COEFF VAR.% 69.5 47.2 57.5 6.6 58.4 COEFF VAR.% 177.9 161.3 415.7 543.6 120.9 COEFF VAR.%	11.4 7.9 27.7 4.3 6.5 S.E.% 9.7 6.7 23.4 6.2 5.6 S.E.% 22.9 20.8 53.6 70.1 15.6 S.E.% 17.3 16.4	L L	100 152 65 148 127 SAMPLI OW 25 34 17 30 29 TREES/ OW 27 17 2 0 52 BASAL OW 24 21	113 165 90 155 136 ETREES - AVG 27 36 22 31 ACRE AVG 35 21 5 1 61 AREA/ACI AVG 29 25	126 178 115 162 145 CF HIGH 30 39 27 34 33 HIGH 43 26 7 1 71 RE HIGH 34 29	#	188 OF TREES R 5 136 OF PLOTS R 5 583 OF PLOTS R	47 EQ. 10 34 EQ. 10	INF. POP. INF. POP.	
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PONI DOUG CL SD: PONI DOUG W LA CON TOTA CL SD: PONI DOUG W LA CON TOTA CL SD: PONI CON TOTA CL SD: CON TOTA TOTA CON TOTA CON TOTA CON TOTA CON TOTA CON TOTA CON TOTA TOTA TOTA TOTA TOTA TOTA TOTA TO	DEROS G FIR AL 68.1 1.0 DEROS G FIR AL 68.1 1.0 DEROS G FIR AL 68.1 1.0 DEROS G FIR AL 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1		81.5 55.9 68.2 4.6 68.6 COEFF VAR.% 69.5 47.2 57.5 6.6 58.4 COEFF VAR.% 177.9 161.3 415.7 543.6 120.9 COEFF VAR.% 133.9 127.3 374.7 543.4 87.5 COEFF	11.4 7.9 27.7 4.3 6.5 S.E.% 9.7 6.7 23.4 6.2 5.6 S.E.% 22.9 20.8 53.6 70.1 15.6 S.E.% 17.3 16.4 48.3 70.1 11.3		100 152 65 148 127 SAMPLI OW 25 34 17 30 29 TREES/ OW 27 17 2 0 52 BASAL OW 24 21 2 0 52 NET BF/	113 165 90 155 136 E TREES - AVG 27 36 22 31 ACRE AVG 35 21 5 1 61 AREA/ACI AVG 29 25 4 1 59	126 178 115 162 145 CF HIGH 30 39 27 34 33 HIGH 43 26 7 1 71 RE HIGH 34 29 6 2 65	#	188 OF TREES R 5 136 OF PLOTS R 5 583 OF PLOTS R 5	47 EQ. 10 34 EQ. 10 146 EQ. 10 77 EQ.	INF. POP. INF. POP. INF. POP. INF. POP.	
PONI DOUG W LA CON TOTA CL SD: PONI CL SD: PONI CL SD: PONI DOUG W LA CON TOTA CL SD: PONI CL SD: CL	DEROS G FIR AL 68.1 1.0 DEROS G FIR AL 68.1 1.0 DEROS G FIR AL 68.1 1.0 DEROS G FIR CRCH FIR AL		81.5 55.9 68.2 4.6 68.6 COEFF VAR.% 69.5 47.2 57.5 6.6 58.4 COEFF VAR.% 177.9 161.3 415.7 543.6 120.9 COEFF VAR.% 133.9 127.3 374.7 543.4 87.5 COEFF VAR.%	11.4 7.9 27.7 4.3 6.5 S.E.% 9.7 6.7 23.4 6.2 5.6 S.E.% 22.9 20.8 53.6 70.1 15.6 S.E.% 17.3 16.4 48.3 70.1 11.3 S.E.%		100 152 65 148 127 SAMPLI OW 25 34 17 30 29 TREES/A OW 27 17 2 0 52 BASAL A OW 24 21 2 0 52 NET BF/OW	113 165 90 155 136 E TREES - AVG 27 36 22 31 ACRE AVG 35 21 5 1 61 AREA/ACI AVG 29 25 4 1 59 CACRE AVG	126 178 115 162 145 CF HIGH 30 39 27 34 33 HIGH 43 26 7 1 71 RE HIGH 34 29 6 2 65 HIGH	#	188 OF TREES R 5 136 OF PLOTS R 5 583 OF PLOTS R 5	47 EQ. 10 34 EQ. 10 146 EQ. 10	INF. POP. INF. POP. INF. POP. INF. POP.	
PONIC DOUG W LA CON TOTAL CL SD: PONIC DOUG W LA CON TOTAL CL SD: PONIC PONIC PONIC PONIC CL SD: PONIC CON TOTAL CON TOTAL CL SD: PONIC CL SD: PONIC CL SD: PONIC CN TOTAL CN TOTAL CL SD: PONIC CN TOTAL CN TOTAL CL SD: PONIC CN TOTAL	DEROS G FIR RCH FIR AL 68.1 1.0 DEROS		81.5 55.9 68.2 4.6 68.6 COEFF VAR.% 69.5 47.2 57.5 6.6 58.4 COEFF VAR.% 177.9 161.3 415.7 543.6 120.9 COEFF VAR.% 133.9 127.3 374.7 543.4 87.5 COEFF VAR.%	11.4 7.9 27.7 4.3 6.5 S.E.% 9.7 6.7 23.4 6.2 5.6 S.E.% 22.9 20.8 53.6 70.1 15.6 S.E.% 17.3 16.4 48.3 70.1 11.3 S.E.% 17.8		100 152 65 148 127 SAMPLI OW 25 34 17 30 29 TREES/A OW 27 17 2 0 52 BASAL A OW 24 21 2 0 52 NET BF/OW 1,719	113 165 90 155 136 E TREES - AVG 27 36 22 31 ACRE AVG 35 21 5 1 61 AREA/ACI AVG 29 25 4 1 59 CACRE AVG 2,092	126 178 115 162 145 CF HIGH 30 39 27 34 33 HIGH 43 26 7 1 71 RE HIGH 34 29 6 2 65 HIGH 2,465	#	188 OF TREES R 5 136 OF PLOTS R 5 583 OF PLOTS R 5	47 EQ. 10 34 EQ. 10 146 EQ. 10 77 EQ.	1 INF. POP. 1	
PONIC DOUG W LA CON TOTAL CL SD: PONIC DOUG W LA CON TOTAL CL SD:	DEROS G FIR AL 68.1 1.0 DEROS G FIR AL		81.5 55.9 68.2 4.6 68.6 COEFF VAR.% 69.5 47.2 57.5 6.6 58.4 COEFF VAR.% 177.9 161.3 415.7 543.6 120.9 COEFF VAR.% 133.9 127.3 374.7 543.4 87.5 COEFF VAR.%	11.4 7.9 27.7 4.3 6.5 S.E.% 9.7 6.7 23.4 6.2 5.6 S.E.% 22.9 20.8 53.6 70.1 15.6 S.E.% 17.3 16.4 48.3 70.1 11.3 S.E.%		100 152 65 148 127 SAMPLI OW 25 34 17 30 29 TREES/A OW 27 17 2 0 52 BASAL A OW 24 21 2 0 52 NET BF/OW	113 165 90 155 136 E TREES - AVG 27 36 22 31 ACRE AVG 35 21 5 1 61 AREA/ACI AVG 29 25 4 1 59 CACRE AVG	126 178 115 162 145 CF HIGH 30 39 27 34 33 HIGH 43 26 7 1 71 RE HIGH 34 29 6 2 65 HIGH	#	188 OF TREES R 5 136 OF PLOTS R 5 583 OF PLOTS R 5	47 EQ. 10 34 EQ. 10 146 EQ. 10 77 EQ.	INF. POP. INF. POP. INF. POP.	

TC PSTATS					PROJECT PROJECT		STICS ARTA			PAGE DATE	2 3/16/2020	
TWP	RGE	SC	TRACT	TYP	E	ACRES		PLOTS	TREES	CuFt	BdFt	
07S	44E	32	44,45,53	VP		275.00		60	110	S	E	
CL	68.1		COEFF		NET BE	/ACRE			# OF PLOTS	INF. POP.		
SD:	1.00		VAR.	S.E.%	LOW	AVG	HIGH		5	10	15	
TOT	TOTAL		93.4	12.0	4,372	4,971	5,570		348	87	39	
CL	68.1		COEFF		NET CU	JFT FT/A	CRE		# OF PLOTS RE	Q.	INF. POP.	
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15	
PONI	DEROS		128.6	16.6	451	540	630					
DOU	DOUG FIR		128.6	16.6	478	573	668					
W LA	W LARCH		348.9	45.0	44	80	117					
CON	CON FIR		545.4	70.4	6	20	34					
TOT	TOTAL		87.8	11.3	1,076	1,214	1,351		308	77	34	

TC P	LOC	GSTVB					Log S	Stock T	Гable -										
T07S	T07S R44E S32 TyVP 275.00						Project: SPARTA Acres 275.00									Page Date Time		1 6/2020 14:05P	М
	s	So Gr	Log	Gross	De	f Net	%	% Net Volume by Scaling Diameter in Inches											
Spp	Т	rt de	Len	MBF	%	MBF	Spc	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF		DO 3	M 12	2	7	7	1.1			7									
DF		DO 3	M 14	ļ	17	17	2.5			17									
DF		DO 3	M 16	7	17	8.4 657	96.4			71	105	147	161	133	41				
DF		Tota	ıls	7	12	8.1 681	49.8			96	105	147	161	133	41				
PP		PU	12	2	8	8	1.3		8										
PP		PU	14	ļ	6	6	1.0		6										
PP		PU	16	5	21	3.1 20	3.5		9	9	2								
PP		DO 3	M 12		13	13	2.3			13									
PP		DO 3	M 14	ļ	9	9	1.5			9									
PP		DO 3	M 16	5	37	1.5 519	90.3			91	120	119	107	51	33				
PP		Tota	ıls	6	14 10).6 575	42.1		23	122	122	119	107	51	33				
WL		DO 3	M 12	2	3	3	3.7			3									
WL		DO 3	M 16	5	95	5.3 81	96.3			28	19	27	7						
WL	7	Tota	ıls		99 1	1.8 84	6.1			31	19	27	7						
WF	7	DO 3	M 16	5	28	6.1 26	100.0			3		10	14						
WF		Tota	ıls		28	5.1 26	1.9			3		10	14						
Total		All Spec	ies	1,5	12	9.6 1,367	100.0		23	251	245	302	289	183	73				