

Sale FG-343-2018-234-

District: Forest Grove Date: March 09, 2018

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	\$99,368.10	\$0.00	\$99,368.10
		Project Work:	\$0.00
		Advertised Value:	\$99,368.10



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Timber Description

Location: Section 20, T3N, R5W, W.M., Washington Co., Oregon

Stand Stocking: 20%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	18	0	98

Volume by Grade	28	3S & 4S 6"- 11"	Total
Douglas - Fir	151	96	247
Total	151	96	247

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

Western Hemlock and Other Conifers Stumpage Price = Pond Value minus Logging Cost:

\$290/MBF = \$723/MBF - \$433/MBF

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:

\$995/MBF = \$1,428/MBF - \$433/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:

\$397/MBF = \$830/MBF - \$433/MBF

SCALING COST ALLOWANCE = \$5.00/MBF

BRANDING AND PAINTING COST ALLOWANCE =\$2.00/MBF

FUEL COST ALLOWANCE = \$3.00/Gallon

HAULING COST ALLOWANCE

Hauling costs equivalent to \$780 daily truck cost.

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

None.

Other Costs (No Profit & Risk added):

Machine time to block/waterbar roads, and skid trails:

10 Hours @ \$150/Hr. = \$1500

Equipment Cleaning: 2 x \$1,000/Machine = \$2,000

TOTAL Other Costs (No Profit & Risk added) = \$3,500

ROAD MAINTENANCE

Move-in: \$1,000

General Road Maintenance: 3.5 miles x \$500/mile = \$1,750

TOTAL: \$2,570/247 MBF = \$11.13/MBF



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Logging Conditions

Combination#: 1 Douglas - Fir 100.00%

Logging System: Shovel Process: Manual Delimbing

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

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

loads / day: 4 bd. ft / load: 4000

cost / mbf: \$207.96

machines: Shovel Logger



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Logging Costs

Operating Seasons: 1.00

Profit Risk: 25%

Project Costs: \$0.00

Other Costs (P/R): \$0.00

Slash Disposal: \$0.00 Other Costs: \$3,500.00

Miles of Road

Road Maintenance:

\$11.13

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



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Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Scaling / Brand & Paint	Other	Total
Douglas -	Fir								
\$207.96	\$11.35	\$17.75	\$99.45	\$0.00	\$84.13	\$0.00	\$7.00	\$14.17	\$441.81

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	\$0.00	\$844.11	\$402.30	\$0.00



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Summary

Amortized

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

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	247	\$402.30	\$99,368.10

Gross Timber Sale Value

Recovery: \$99,368.10

Prepared By: Adrian Torres Phone: 503-359-7460

TIMBER SALE SUMMARY/CRUISE REPORT Carlou Contract No. 343-18-234

- 1. <u>Location</u>: Section 20, T3N, R5W, W.M., Washington Co., Oregon.
- 2. <u>Type of Sale</u>: This timber sale is 22 net acres of Moderate Thinning. The timber will be sold on a recovery basis at a sealed bid auction.
- 3. Revenue Distribution: 100% BOF, Washington County.
- **4.** <u>Sale Acreage</u>: Acres are net of stream buffers and road prisms. Acreage was determined using ESRI ArcMap GIS software.
- 5. <u>Cruise</u>: The Timber Sale Area was cruised on March 05, 2018 and sampled with 15 variable radius plots using a 20 BAF prism. The plots were laid out on a 3 ½ chain line. Cruisers "thinned" plots from below to 160 square feet of basal area. All sample trees were measured and graded following Columbia River Log Scale grade rules and favored 40 foot segments. Cruise estimates and sampling statistics were derived from Super ace 2008 software.
- **6.** <u>Timber Description</u>: The Timber Sale Area consists of an 80-85 year old Douglas-fir stand with minor amounts of western hemlock, western redcedar, grand fir, and hardwoods. The stand has an average of 200 ft² of basal area (all species) and average take Douglas-fir DBH of 18 inches.

7. Volume Summary

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	154	90	8	252
Douglas-	Hidden D&B (2%)	(3)	(2)	()	(5)
fir	NET TOTAL	151	88	8	247
	% of Total	61	36	3	

- **8.** Topography and Logging Method: Slopes within the sale areas range from 5% to 45%, but are generally less than 35%, and are north in aspect. The timber sale is 100% ground-based yarding. The average horizontal skid trail length is approximately 300 feet and the maximum is approximately 547 feet.
- 9. <u>Access</u>: All access to the Timber Sale Area is on surfaced all-weather roads. From Forest Grove, travel north on Highway 8 to its junction with Highway 6. Turn left and travel west approximately 3.5 miles to Timber Road. Turn right and travel north for 6.7 miles to Cochran Rd. Turn right and travel west for 2.2 to Carlson Creek rd. Turn right and travel north for 2.2 to timber sale area Carlou (On the north side of the road).

TC PS	TATS					DJECT S ROJECT		ISTICS LURAW			PAGE DATE	1 3/6/2018
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03N	05	20	00A1	1	00PC			22.00	15	150	S	W
						TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
		I	PLOTS	TREES		PER PLOT		TREES		TREES		
TOTA	AL		15	150		10.0						
	COUNT DREST NT NKS		15	150		10.0		1,587		9.5		
					STA	ND SUMN	MARY					
		SA	AMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
			TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
	G FIR - L		106	38.2	26.0	153	27.7	141.3	46,663	46,663	8,282	8,282
	G FIR-T	_	36	28.0	17.7	132	11.4	48.0	11,583	11,474	2,375	2,375
	MLOCK-	L	5	5.1	15.5	97	1.7	6.7	1,668	1,668	311	311
GR F	IR-L IAPLE-L		2 1	.6 .2	27.9 36.0	168 112	0.5 0.2	2.7 1.3	1,024 385	1,024 385	177 66	177 66
TOT.			150	.2 72.1	22.5	112 141	42.1	200.0	61,323	61,214	11,211	11,211
CL SD:	68.1		COEFF	S E %	ī	SAMPL			#	OF TREES		
SD:	1.0		VAR.%	S.E.%		OW	AVG	HIGH	#	OF TREES 5	REQ. 10	
SD:				S.E.% 5.1 9.5					#			
SD: DOUG	1.0 G FIR-L	L	VAR.% 52.4	5.1		OW 1,535	AVG 1,617	HIGH 1,699	#			
SD: DOUG DOUG WHE: GR FI	1.0 G FIR-L G FIR-T MLOCK- IR-L	L	VAR.% 52.4 57.3	5.1 9.5		OW 1,535 487	AVG 1,617 538	HIGH 1,699 589	#			
SD: DOUG DOUG WHE: GR FI	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L	L	VAR.% 52.4 57.3 114.8	5.1 9.5 57.1		OW 1,535 487 380 1,004	AVG 1,617 538 886	HIGH 1,699 589 1,392	#			1
SD: DOUG DOUG WHE GR FI BL M	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL	L	VAR.% 52.4 57.3 114.8 46.1 66.1 COEFF	5.1 9.5 57.1 43.1 5.4		OW 1,535 487 380 1,004 1,266 SAMPLI	AVG 1,617 538 886 1,765 1,338	HIGH 1,699 589 1,392 2,526 1,411 S - CF		5 175 OF TREES	10 44 REQ.	1 INF. POP.
SD: DOUG DOUG WHE GR FI BL M TOTA CL SD:	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0	L	VAR.% 52.4 57.3 114.8 46.1 66.1 COEFF VAR.%	5.1 9.5 57.1 43.1 5.4 S.E.%		OW 1,535 487 380 1,004 1,266 SAMPLI	AVG 1,617 538 886 1,765 1,338 E TREE AVG	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH		5 175	10	INF. POP.
DOUG DOUG WHE GR FI BL M TOTA CL SD:	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0 G FIR-L	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3	5.1 9.5 57.1 43.1 5.4 S.E.%		OW 1,535 487 380 1,004 1,266 SAMPLI OW 269	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294		5 175 OF TREES	10 44 REQ.	1 INF. POP.
SD: DOUG DOUG WHE GR FI BL M TOTA CL SD: DOUG	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T		VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6		OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100	AVG 1,617 538 886 1,765 <i>I</i> ,338 E TREE AVG 281 109	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119		5 175 OF TREES	10 44 REQ.	1 INF. POP.
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SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-		VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1		OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73	AVG 1,617 538 886 1,765 <i>I</i> ,338 E TREE AVG 281 109 155	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238		5 175 OF TREES	10 44 REQ.	1 INF. POP.
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SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD:	1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-L IAPLE-L AL G FIR-L IAPLE-L AL 68.1	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8 42.7 58.6 COEFF VAR.% 41.8 130.8 294.3 272.7 387.3 59.4 COEFF	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1 40.0 4.8 S.E.% 11.2 34.9 78.6 72.8 103.4 15.9	L	OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73 181 225 TREES/A OW 34 18 1 0 61 BASAL	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281 109 155 303 237 ACRE AVG 38 28 5 1 0 72 AREA/A	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238 424 248 HIGH 42 38 9 1 0 84	#	175 OF TREES 5 137 OF PLOTS 5	10 44 REO. 10 34 REO. 10 38 REO.	1 INF. POP. 1 INF. POP. 1 INF. POP.
SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE CL SD: DOUG WHE GR FI BL M TOTA	1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK- IR-L IAPLE-L AL 68.1 1.0 G FIR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-L G FIR-L G FIR-L G FIR-L	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8 42.7 58.6 COEFF VAR.% 41.8 130.8 294.3 272.7 387.3 59.4 COEFF VAR.% 12.5 108.9	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1 40.0 4.8 S.E.% 11.2 34.9 78.6 72.8 103.4 15.9 S.E.% 3.3 29.1	L	OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73 181 225 TREES/A OW 34 18 1 0 61 BASAL A OW 137 34	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281 109 155 303 237 ACRE AVG 38 28 5 1 0 72 AREA/A AVG 141 48	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238 424 248 HIGH 42 38 9 1 0 84 CCRE HIGH 146 62	#	175 OF TREES 5 137 OF PLOTS 5	10 44 REO. 10 34 REO. 10 38 REO.	1: INF. POP. 1: INF. POP. 1:
SD: DOUG WHE SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE DOUG WHE GR FI BL M TOTA	1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8 42.7 58.6 COEFF VAR.% 41.8 130.8 294.3 272.7 387.3 59.4 COEFF VAR.% 12.5 108.9 185.2	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1 40.0 4.8 S.E.% 11.2 34.9 78.6 72.8 103.4 15.9 S.E.% 3.3 29.1 49.5	L	OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73 181 225 TREES/A OW 34 18 1 0 61 BASAL A OW 137 34 3	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281 109 155 303 237 ACRE AVG 38 28 5 1 0 72 AREA/A AVG 141 48 7	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238 424 248 HIGH 42 38 9 1 0 84 CCRE HIGH 146 62 10	#	175 OF TREES 5 137 OF PLOTS 5	10 44 REO. 10 34 REO. 10 38 REO.	1 INF. POP. 1 INF. POP. 1 INF. POP.
SD: DOUG WHE SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA	1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-L G FIR-L G FIR-L G FIR-L G FIR-L	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8 42.7 58.6 COEFF VAR.% 41.8 130.8 294.3 272.7 387.3 59.4 COEFF VAR.% 12.5 108.9 185.2 263.9	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1 40.0 4.8 S.E.% 11.2 34.9 78.6 72.8 103.4 15.9 S.E.% 3.3 29.1 49.5 70.5	L	OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73 181 225 TREES/A OW 34 18 1 0 61 BASAL A OW 137 34	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281 109 155 303 237 ACRE AVG 38 28 5 1 0 72 AREA/A AVG 141 48	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238 424 248 HIGH 42 38 9 1 0 84 CCRE HIGH 146 62 10 5	#	175 OF TREES 5 137 OF PLOTS 5	10 44 REO. 10 34 REO. 10 38 REO.	1 INF. POP. 1 INF. POP. 1 INF. POP.
SD: DOUG WHE SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA CL SD: DOUG WHE GR FI BL M TOTA	1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-L G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L G FIR-T MLOCK-IR-L IAPLE-L AL 68.1 1.0 G FIR-L	L	VAR.% 52.4 57.3 114.8 46.1 COEFF VAR.% 46.3 51.6 106.8 42.7 58.6 COEFF VAR.% 41.8 130.8 294.3 272.7 387.3 59.4 COEFF VAR.% 12.5 108.9 185.2	5.1 9.5 57.1 43.1 5.4 S.E.% 4.5 8.6 53.1 40.0 4.8 S.E.% 11.2 34.9 78.6 72.8 103.4 15.9 S.E.% 3.3 29.1 49.5	L	OW 1,535 487 380 1,004 1,266 SAMPLI OW 269 100 73 181 225 TREES/A OW 34 18 1 0 61 BASAL A OW 137 34 3	AVG 1,617 538 886 1,765 1,338 E TREE AVG 281 109 155 303 237 ACRE AVG 38 28 5 1 0 72 AREA/A AVG 141 48 7	HIGH 1,699 589 1,392 2,526 1,411 S - CF HIGH 294 119 238 424 248 HIGH 42 38 9 1 0 84 CCRE HIGH 146 62 10	#	175 OF TREES 5 137 OF PLOTS 5	10 44 REO. 10 34 REO. 10 38 REO.	INF. POP. INF. POP. INF. POP.

TC PSTATS

PROJECT STATISTICS PROJECT CRLURAW

PAGE

2 DATE 3/6/2018

					PROJECT	CR	LUKAW			DATE	3/0/2018
TWP	RGE	SC	TRACT	TY	PE	A	CRES	PLOTS	TREES	CuFt	BdFt
03N	05	20	00A1	00P	С		22.00	15	150	S	W
CL	68.1		COEFF		NET I	BF/ACRE			# OF PLOTS I	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR-L		15.3	4.1	44,758	46,663	48,568				
DOU	G FIR-T		104.2	27.8	8,279	11,474	14,668				
WHE	EMLOCK	-L	174.2	46.5	892	1,668	2,444				
GR F	IR-L		265.2	70.8	299	1,024	1,749				
BL N	APLE-L		387.3	103.4		385	783				
ТОТ	AL		27.3	7.3	56,750	61,214	65,678		32	8	4
CL	68.1		COEFF		NET (CUFT FT/	ACRE		# OF PLOTS I	REQ.	INF. POP.
SD:	1.0		VAR.%	S.E.%	LOW	AVG	HIGH		5	10	15
DOU	G FIR-L		14.7	3.9	7,957	8,282	8,607				
DOU	G FIR-T		104.7	28.0	1,711	2,375	3,039				
WHE	EMLOCK	-L	172.4	46.1	168	311	454				
GR F	IR-L		264.5	70.7	52	177	301				
BL M	1APLE-L		387.3	103.4		66	134				
тот	AL		29.2	7.8	10,336	11,211	12,085		37	9	4

TC	TC PSPCSTGR Species, Sort Grade - Board Foot Volumes (Project)																		
T03	3N R05W S20) Ty00F	PC	22.00		Project: Acres	CF	22.0								Page Date Time		1 6/201 :32:0	
		%					Per	cent of	Net Bo	oard F	oot Volu	me				Avera	ge Lo	g	Logs
	S So Gr	Net	Bd. F	t. per Acre	e	Total	I	og Sc	ale Dia.			Log L	ength		Ln	l Dia	Bd	CF/	Per
Spp	T rt ad	BdFt	Def%	Gross	Net	Net MBF	4-5	6-11	12-16	17+	12-20	21-30	31-35	36-99	Ft	In	Ft	Lf	/Acre
DF DF DF	2M 3M 4M	12 87 1	.9 .1	7,057 50,739 450	6,996 50,690 450	154 1,115 10		14 100	75 20	25 65	32	2 6 61	43 7	97 51	1	14 13 6	290	1.52 1.47 0.31	22.4 174.6 17.8
DF	Totals	95	.2	58,246	58,137	1,279		13	27	60	0	6	38	56	35	12	271	1.42	214.8
GF	3M	100		1,024	1,024	23	2		13	84			44	56		15		1.92	2.5
GF	Totals	2		1,024	1,024	23	2		13	84			44	56	37	15	406	1.92	2.5
WH WH	3M 4M	91 9		1,521 147	1,521 147	33	7 33	12 67	30	51	67	27 33	27	46	34 21	11 7		1.15 0.32	7.1 4.9
WH	Totals	3		1,668	1,668	37	9	17	28	46	6	28	24	42	29	9	139	0.90	12.0
ВМ ВМ	3M Totals	100		385 385	385 385	8		3		97 97			100			20 20		3.57	.6 .6
Tota	ls		0.2	61,323	61,214	1,347	0	13	26	60	1	6	38	56	35	12	266	1.41	229.9

TC PLOGSTVB **Log Stock Table - MBF** Page T03N R05W S20 Ty00PC 22.00 Project: **CRLURAW** Date 3/6/2018 Acres 22.00 Time 1:32:03PM % Net Volume by Scaling Diameter in Inches Gross So Gr Log Def Net rt de Len **MBF** 6-7 10-11 12-13 20-23 24-29 Spp % **MBF** Spc 2-3 4-5 8-9 14-15 16-19 30-39 40+ 2 2 DF 16 2M 15.4 3 DF 26 3 .2 2M 11.6 DF 2M 40 150 149 44 49 50 5 62 62 4.9 1 5 12 21 16 DF 30 3M DF 31 14 14 1.1 2 11 3M 227 DF 227 17.8 7 7 14 23 52 64 44 14 32 3M 8 DF 33 36 36 2.8 2 9 12 5 3M 191 14.9 52 39 9 34 191 8 1 18 24 33 DF 3M 6 9 15 15 1.2 2 3 DF 3M 35 DF 36 159 159 12.5 8 14 47 63 18 3M 6 7 15 30 30 2.3 3 2 3 DF 3M 37 189 189 14.8 13 2 21 47 32 63 DF 38 12 3M

DF 39 35 35 2.7 2 6 14 11 3M 1 7 5 157 12.3 16 25 19 29 DF 3M 40 158 44 12 1 1 DF 41 1 .1 3M 1 DF 12 1 .1 4M DF 15 2 2 4M .1 18 0 .0 0 DF 4M 0 19 0 .0 0 DF 4M DF 22 .0 4M .0 DF 4M 24 0 DF 4M 25 .1 26 2 .2 2 DF 4M 0 0 .0 0 DF 4M 28 DF 30 2 .2 2 4M 1 DF 4M 32 .1 1 Totals 1,281 1,279 95.0 73 27 70 125 159 295 305 198 28 DF 10 43.9 3 5 34 10 GF 3M GF 0 0 0 3M36 1.5 12 12 54.5 0 2 4 7 GF 3M 40 Totals 23 7 GF 23 1.7 1 1 2 3 3 9 WH 3M 30 9 24.6 WH 3M32 0 0 .7 0 WH 34 9 23.7 4 5 3M 2 WH 3M 36 15 15 42.2 2 2 4 6 5.9 2 2 2 WH 4M 20

TC PL	.00	GSTVB					Log	Stoc	k Table	- MB	F								
T03N	R	05W S20	Ty00I	PC :	22.00)	Proj Acre		CRI	LURAV 22	W .00					Page Date Time	3/6	2 5/2018 32:03F	PM
S	s	So Gr	Log	Gross	D	ef Net	%		Ŋ	let Vol	ıme by	Scalin	g Dian	neter in	Inches				
Spp 7	Т	rt de	Len	l .	9	6 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+
WH		4N	1 22		1	1	2.9		1										
WH	1	Total	ls	3	7	37	2.7		3		2	4	4		9	8	6		
BM	1	3N	1 32		8	8	97.1									3		5	
BM		3N	1 34		0	C	2.9			0									
ВМ		Total	ls		8	8	.6			0						3		5	
Total		All Spec	ies	1,34	9	1,347	100.0		4	73	29	74	130	160	307	325	210	34	

TC PSTNDSUM		Stand Tal	ble Summary	Page Date:	1 3/6/2018
T03N R05W S20 Ty00PC	22.00	Project	CRLURAW	Time:	1:32:01PM
		Acres	22.00	Grown Year:	

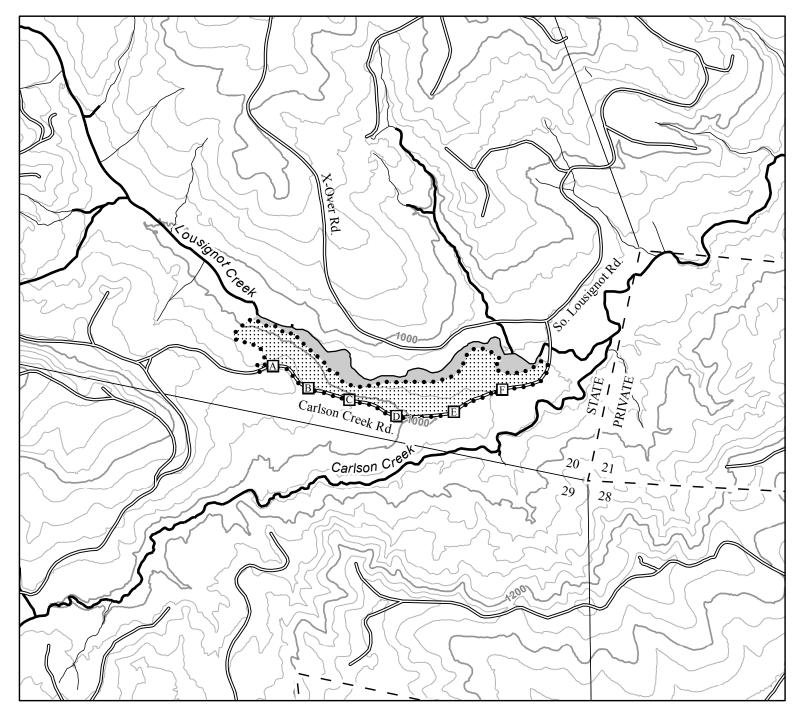
				Tot				Averag	e Log		Net	Net			
S		Sample	FF	Av	Trees/	BA/	Logs	Net	Net	Tons/	Cu.Ft.	Bd.Ft.		Totals	
Spc T	DBH	Trees	16'	Ht	Acre		Acre	Cu.Ft.	Bd.Ft.	Acre	Acre	Acre	Tons	Cunits	MBF
DF	8	1	82	50	3.820	1.33	3.82	3.5	20.0	.38	13	76	8	3	
DF	10	1	87	71	2.445	1.33	2.44	11.5	60.0	.80	28	147	18	6	3
DF	13	3	89	114	4.340	4.00	8.68	17.3	80.0	4.28	150	694	94	33	15
DF	14	1	89	94	1.247	1.33	2.49	17.6	75.0	1.25	44	187	28	10	4
DF	15	2	89	106	2.173	2.67	4.35	22.6	102.5	2.80	98	445	62	22	10
DF	16	3	89	129	2.865	4.00	7.64	22.8	101.2	4.96	174	773	109	38	17
DF	17	2	90	149	1.692	2.67	5.92	22.4	102.9	3.77	132	609	83	29	13
DF	18	3	89	135	2.264	4.00	6.79	27.0	124.4	5.23	183	845	115	40	19
DF	19	6	89	148	4.063	8.00	12.87	31.7	148.4	11.62	408	1,910	256	90	42
DF	20	6	90		3.667	8.00	12.83	33.7	173.3	12.34	433	2,225	271	95	49
DF	21	8	90		4.435	10.67	14.97	37.6	186.3	16.06	563	2,788	353	124	61
DF	22	7	90		3.536	9.33	12.12	42.2	212.1	14.56	511	2,571	320	112	57
DF	23	6	90	157	2.773	8.00	10.17	43.4	223.2	12.58	441	2,269	277	97	50
DF	24	9	90		3.820	12.00	14.85	46.1	244.9	19.51	685	3,637	429	151	80
DF	25	6	90		2.347	8.00	9.00	49.4	262.6	12.66	444	2,362	279	98	52
DF	26	9	90		3.255	12.00	13.02	52.5	290.3	19.50	684	3,779	429	150	83
DF	27	12	90		4.024	16.00	16.10	59.2	326.0	27.16	953	5,248	597	210	115
DF	28	8	89	167	2.495	10.67	9.98	62.8	348.1	17.85	626	3,474	393	138	76
DF	29	3	90	168	.872	4.00	3.49	67.4	371.7	6.70	235	1,296	147	52	29
DF	30	8	89	172	2.173	10.67	9.24	70.3	405.0	18.50	649	3,740	407	143	82
DF	31	5	89	158	1.272	6.67	5.09	74.1	422.0	10.74	377	2,147	236	83	47
DF	32	6	90	172	1.432	8.00	5.73	83.8	473.8	13.69	480	2,714	301	106	60
DF	33 34	4	89 90	180 184	.898 1.692	5.33 10.67	3.82	88.5 93.9	520.6 561.7	9.62 19.80	338 695	1,987	212 436	74 153	44 91
DF	3 4 35	8	90	187	.599	4.00	7.40 2.79	93.9	578.6	7.52	264	4,158 1,616	165	58	36
DF	36	3	90		.566	4.00	2.79	106.9	646.2	7.32	262	1,584	163	58	35
DF	30 37	2	90		.357	2.67	1.61	100.9	670.0	5.03	177	1,077	111	39	24
DF DF	38	4	90		.677	5.33	3.05	111.1	679.4	9.65	339	2,070	212	74	46
DF DF	39	1	91		.161	1.33	.80	116.0	746.0	2.66	93	600	58	21	13
DF	41	1	89	185	.145	1.33	.73	120.2	754.0	2.49	87	548	55	19	12
DF	46	1	89	188	.116	1.33	.58	154.0	966.0	2.54	89	558	56	20	12
DF	Totals	142	89	144	66.217	189.33	214.80	49.6	270.7	303.72	10,657	58,137	6,682	2,344	1,279
WH	10	1	91	73	2.445	1.33	4.89	6.6	30.0	1.04	32	147	23	7	3
WH	13	1	92	100	1.447	1.33	2.89	17.4	85.0	1.62	50	246	36	11	5
WH	20	1	93	130	.611	1.33	1.83	37.7	186.7	2.21	69	342	49	15	8
WH	25	1		145	.391	1.33	1.56	47.7	270.0	2.39	75	422	52	16	9
WH	35	1	94	162	.200	1.33	.80	106.0	640.0	2.71	85	511	60	19	11
WH	Totals	5	92	97	5.093	6.67	11.98	26.0	139.3	9.96	311	1,668	219	68	37
GF	25	1	94	160	.391	1.33	1.56	52.8	297.5	1.82	83	465	40	18	10
GF	32	1	93	180	.239	1.33	.95	98.5	585.0	2.07	94	559	46	21	12
GF	Totals	2	94	168	.630	2.67	2.52	70.1	406.5	3.89	177	1,024	85	39	23
BM	36	1	96	112	.189	1.33	.57	116.5	680.0	1.75	66	385	38	15	8
BM	Totals	1	96	112	.189	1.33	.57	116.5	680.0	1.75	66	385	38	15	8
Totals		150	89	141	72.128	200.00	229.87	48.8	266.3	319.31	11,211	61,214	7,025	2,466	1,347

VOLUME SUMMARY

(Shown in MBF) Carlou 343-18-234 Marh 05, 2017

AREA 1: PC-M (22 ACRES)

SPECIES		2 SAW	3 SAW	4 SAW	TOTAL
	Cruise Volume	154	90	8	252
Dougloo fir	Hidden D&B (2%)	(3)	(2)	()	(5)
Douglas-fir	NET TOTAL	151	88	8	247
	% of Total	61	36	3	



Legend

- • • Timber Sale Boundary
- Roads
- Type F Stream
- Type N Stream
- Stream Buffer
- Tractor Grounding Area
- ☐ Tractor Landing
- ODF Ownership Boundary
- Section Line
 - 40 ft contours
 - --- 200 ft contours

LOGGING PLAN

FOR TIMBER SALE CONTRACT 343-18-234 CARLOU SECTION 20, T3N, R5W, W.M.,

SECTION 20, 13N, R5W, W.M., WASHINGTON COUNTY, OREGON

Forest Grove District GIS March, 2018

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

1:12,000

1 inch = 1,000 feet

0	500	1,000	2,000
		,	Feet



APPROXIMATE NET ACRES							
TRACTOR	CABLE						

22 0