

Timber Inventory Executive Summary

Tract: Jeffries

Cruise Date: 11/2019

Cruise Id Number: JeffriesM01

Client: Jeffries Family

Workup Date: 11/21/2019

Sampling Method: Point Sample

County: Jasper

Merchantable Cruise Ac: 433

Product	Net Cords	Net Tons	Basal Area	Sampling Error
Pine Pulpwood	2,601	6,957	19	
Pine Chip N Saw	1,195	3,196	10	
Pine Sawtimber	1,193	3,191	10	
Summary for Pine	4,988	13,344		11.2%
Per acre Values	11.5	30.8	39	
Hardwood Pulpwood	5,056	14,409	38	
Hardwood Sawtimber	1,052	2,997	10	
Summary for Hardwood	6,108	17,406		8.6%
Per acre Values	14.1	40.2	49	

While the information is believed to be reasonably correct, neither the Seller, Forest Resource Consultants, FRC Land Company LLC, or their agents warrant or guarantee its accuracy in any way. This information was derived from a timber cruise performed for the Jeffries Property in November 2019 for the purposes of estimating standing timber on the above referenced tract. According to the use of the information provided, user is encouraged to obtain independent opinions of value and/or volumes for the purpose of ascertaining value/volumes of standing timber for the Jeffries Property.

Pine Cord pounds = 5350

Hardwood Cord pounds = 5700

Cull Weight is deducted from Total Pine Weight

Sampling Error expressed as a (+ or -) percent of the mean tons at the 95% confidence level.

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Pine

Pine Pulpwood

	Dbh	No of Trees	HtClass Average	Cords 3 " Top	Tons 3 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Top
	4	664	28	9	23				
	5	5,343	34	192	513				
	6	4,774	46	271	724				
	7	3,572	56	295	788				
	8	4,609	56	530	1,419				
	9	4,299	57	610	1,632				
	10	997	56	169	451				
	11	324	61	63	169				
	12	488	60	111	298				
	13	285	67	88	236				
	14	265	64	92	246				
	15	149	74	65	173				
	16	126	72	62	166				
	17	51	80	32	86				
	18	21	67	13	34				
Pine PulpwoodTotals:		25,969		2,601	6,957				
Averages/Acre:	7.7	60	56	6.0	16.0				

Pine Chip N Saw

	Dbh	No of Trees	HtClass Average	Cords 7 " Top	Tons 7 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF 7 in Top
	10	2,843	68	395	1,056	433	1,159	239	132
	11	1,667	70	302	807	311	833	185	113
	12	1,961	68	447	1,196	450	1,204	232	179
Pine Chip N SawTotals:		6,470		1,144	3,059	1,195	3,196	657	424
Averages/Acre:	10.9	15	71	2.6	7.1	2.8	7.4	1.5	

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Hardwood Cord pounds = 5700

Avg. Dbh = Dbh of Avg. B.A.

Cull should be deducted from Total Pine Weight. Pulpwood Volume is to fixed top or defect, whichever comes first.

Pine MBF based on Scribner rule, floating form class.

Hardwood MBF based on Doyle rule, form class = 76

Sampling Error expressed as a (+ or -) percent of the mean at the 95% confidence level.

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Pine Sawtimber

	Dbh	No of Trees	HtClass Average	Cords 8 " Top	Tons 8 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF 9 in Top
	13	1,155	71	290	777	294	787	231	111
	14	944	72	292	782	291	778	208	118
	15	538	71	190	507	188	504	134	83
	16	489	76	192	514	191	510	159	94
	17	275	69	115	307	114	306	117	61
	18	59	79	31	82	31	82	29	17
	19	53	84	37	98	36	97	19	18
	20	37	81	22	58	22	58	29	14
	21	8	83	7	20	7	20	2	4
	22	8	81	6	16	6	16	7	4
	24	6	99	7	18	7	18	8	5
	26	5	77	6	15	6	15	5	4
Pine SawtimberTotals:		3,577		1,194	3,194	1,193	3,191	949	531
Averages/Acre:	14.7	8	73	2.8	7.4	2.8	7.4	2.2	

Cull Tally of Sawtimber Material

Tract Statistics for	Pine	BA Avg/ac:	38.7	Volume Avg/ac (tons):	30.8	Sampling Error:	11.2%
		DBH Avg:	8.7	Volume Avg/ac (cords):	11.5	Data Points:	215

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Avg. Dbh = Dbh of Avg. B.A.

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Hardwood

Hardwood Pulpwood

Hardwood Pulpwood

	Dbh	No of Trees	HtClass Average	Cords 4 " Top	Tons 4 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Top
	5	4,386	26	101	287				
	6	5,918	30	269	768				
	7	5,246	38	405	1,153				
	8	5,855	41	605	1,723				
	9	3,977	49	540	1,539				
	10	3,356	50	570	1,624				
	11	2,030	58	431	1,229				
	12	2,894	53	716	2,040				
	13	1,399	54	414	1,179				
	14	921	50	311	885				
	15	544	49	212	605				
	16	290	56	145	412				
	17	180	59	100	284				
	18	116	66	78	223				
	19	103	59	75	214				
	20	74	59	61	174				
	21	26	65	25	70				
Hardwood PulpwoodTotals:		37,315		5,056	14,409				
Averages/Acre:	9.0	86	43	11.7	33.2				

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Hardwood Sawtimber

Ash SWT

	Dbh	No of Trees	HtClass Average	Cords 9 " Top	Tons 9 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Mch Top
	15	17	60	5	14	5	14		2
	44	2	80	5	13	5	13		6
Hardwood SawtimberTotals:		19		10	27	10	27		9
Averages/Acre:	20.1	0	62	0.0	0.1	0.0	0.1		

Hard Hardwood SWT

	Dbh	No of Trees	HtClass Average	Cords 9 " Top	Tons 9 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Mch Top
	13	93	65	19	53	19	53		7
	14	135	74	30	85	30	85		14
	15	198	65	53	152	53	152		26
	16	57	79	23	64	23	64		10
	17	90	65	32	91	32	91		18
	18	46	78	16	46	16	46		12
	20	9	90	4	11	4	11		3
	22	15	75	12	34	12	34		7
	24	6	81	6	17	6	17		4
Hardwood SawtimberTotals:		650		194	553	194	553		100
Averages/Acre:	15.5	1	71	0.4	1.3	0.4	1.3		

Pine Cord pounds = 5350

Hardwood Cord pounds = 5700

Avg. Dbh = Dbh of Avg. B.A.

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Red Oak SWT

	Dbh	No of Trees	HtClass Average	Cords 9 " Top	Tons 9 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Mch Top
	14	95	61	20	56	20	56		9
	15	99	67	29	83	29	83		13
	16	28	70	9	25	9	25		5
	17	89	69	33	94	33	94		18
	18	67	62	31	88	31	88		15
	19	20	70	11	30	11	30		6
	20	37	73	18	53	18	53		13
	21	33	73	22	62	22	62		13
	22	8	70	6	17	6	17		4
	24	19	76	17	48	17	48		12
Hardwood SawtimberTotals:		494		196	557	196	557		106
Averages/Acre:	17.2	1	68	0.5	1.3	0.5	1.3		

Soft Hardwood SWT

	Dbh	No of Trees	HtClass Average	Cords 9 " Top	Tons 9 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Mch Top
	13	175	71	39	110	39	110		13
	14	252	73	63	179	63	179		26
	15	149	79	47	134	47	134		20
	16	206	77	69	197	69	197		35
	17	142	80	59	169	59	169		30
	18	56	77	26	75	26	75		14
	19	40	81	22	62	22	62		12
	21	9	84	5	14	5	14		4
	22	15	82	11	32	11	32		8
	23	7	86	3	9	3	9		4
	26	6	80	3	8	3	8		5
Hardwood SawtimberTotals:		1,059		347	989	347	989		171
Averages/Acre:	15.6	2	77	0.8	2.3	0.8	2.3		

Pine Cord pounds = 5350

Hardwood Cord pounds = 5700

Avg. Dbh = Dbh of Avg. B.A.

Cull should be deducted from Total Pine Weight. Pulpwood Volume is to fixed top or defect, whichever comes first.

Pine MBF based on Scribner rule, floating form class.

Hardwood MBF based on Doyle rule, form class = 76

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White Oak SWT

	Dbh	No of Trees	HtClass Average	Cords 9 " Top	Tons 9 " Top	Cords Mrch Top	Tons Mrch Top	Tons Topwood	MBF Mch Top
	13	87	67	14	40	14	40		7
	14	165	62	42	119	42	119		16
	15	160	67	41	116	41	116		21
	16	154	68	49	138	49	138		25
	17	88	57	29	82	29	82		17
	18	100	75	44	125	44	125		25
	19	40	77	19	55	19	55		12
	20	45	82	26	73	26	73		16
	22	30	75	20	56	20	56		14
	23	7	79	4	11	4	11		4
	24	13	75	10	29	10	29		8
	29	4	78	4	11	4	11		5
	34	3	82	5	14	5	14		6
Hardwood SawtimberTotals:		897		305	870	305	870		175
Averages/Acre:	16.6	2	69	0.7	2.0	0.7	2.0		

Tract Statistics for	Hardwood	BA Avg/ac:	48.7	Volume Avg/ac (tons):	40.2	Sampling Error:	8.6%
		DBH Avg:	9.2	Volume Avg/ac (cords):	14.1	Data Points:	215

Pine Cord pounds = 5350

Hardwood Cord pounds =5700

Avg. Dbh = Dbh of Avg. B.A.

Cull should be deducted from Total Pine Weight. Pulpwood Volume is to fixed top or defect, whichever comes first.

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Hardwood MBF based on Doyle rule, form class = 76

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