

TIMBER CRUISE EVALUATION

March 2018



Area #1 (see map below)

The timber on this parcel is mostly Douglas-fir with an age of around 65 years old. Minor species also present on the property include grand fir, Bigleaf maple, and red alder. The Douglas-fir is fairly nice quality with good form and fairly tall bole heights. Around 16% of the DF volume will make the higher end export sorts. The average DF has a 20.0-inch DBH (Diameter at Breast Height) and will yield 2.5 long logs. Defect in the stand includes old snow breaks and a few forks located at various positions along the bole, and a fair amount of sweep.

Estimated Timber MBF Units (1,000 board feet/unit) as of March 2018

Douglas-fir export 87 MBF
Douglas-fir domestic 414 MBF
Douglas-fir oversize 34 MBF
Douglas-fir 12"+ 3-saw 13 MBF
Grand fir 23 MBF
Alder sawlogs 18 MBF
Maple sawlogs 5 MBF
Mixed pulp 34 Tons

Area #2 (see map below)

Approximately 7.7 acres of 18-year-old (*now 25-year-old as of 2024*) pre-merchantable Douglas-fir.



Timber Area #1 Background — Timber Area #2 Foreground

CRUISE UPDATE – MAY 2024

Area 1 Timber

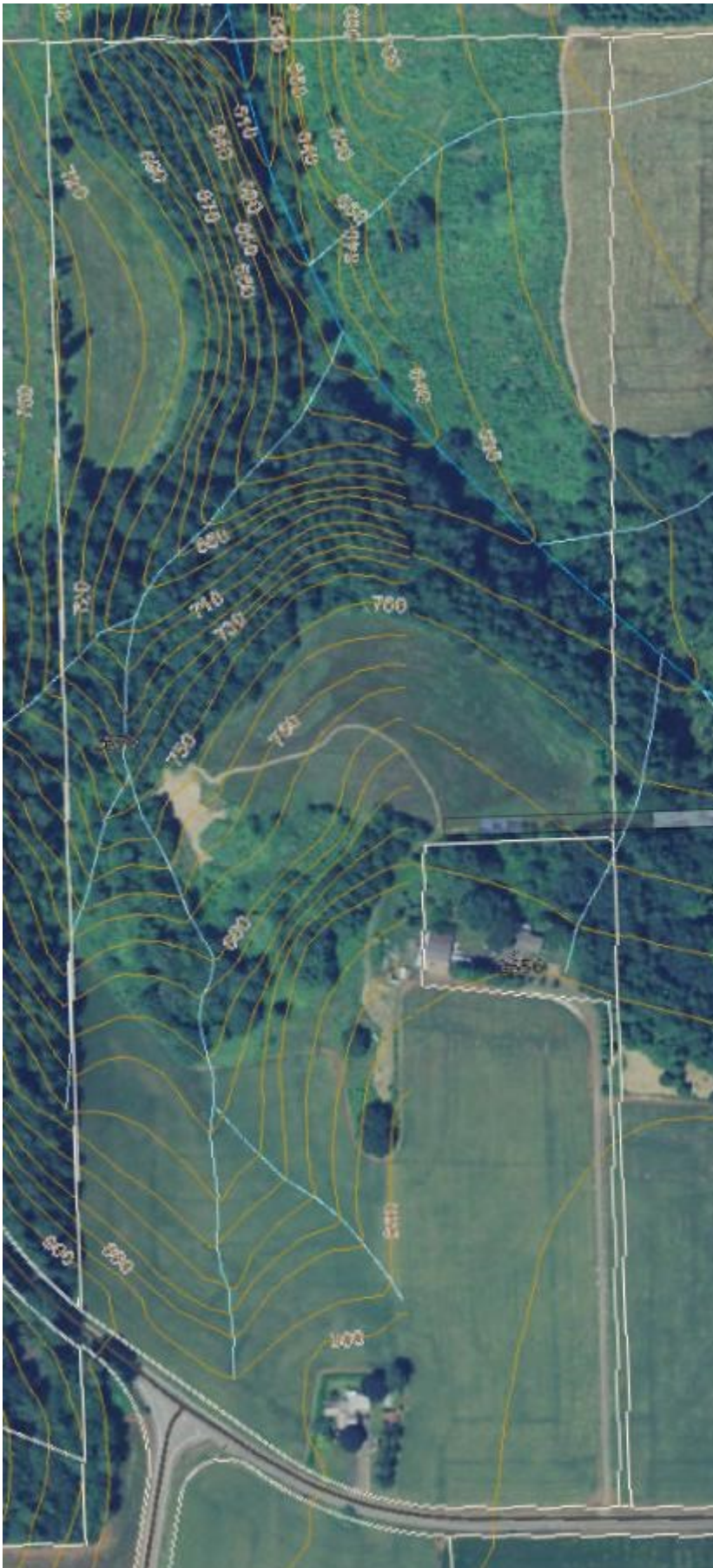
The following 2024 estimate of volume for the timber inventory is derived from a 2018 inventory cruise that has been updated using a computer growth model that projects the growth that should have occurred over the six growth years between March 2018 and May 2024. No harvest has occurred since the 2018 timber cruise.

VOLUME SUMMARY TABLE	
Douglas-fir Export	168 MBF
Douglas-fir Domestic	469 MBF
Grand fir Domestic	26 MBF
Red alder Sawlog	22 MBF
Red alder pulp	3 MBF
Bigleaf maple sawlog	6 MBF
TOTAL	694 MBF

FI	Species, Sort Grade - Board Foot Volumes (Type)										Page	1							
Project: MELAND18											Date	5/22/2024							
											Time	8:17:09AM							
T07S R01W S13 T0001										T07S R01W S13 T0001									
Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt										
07S	01W	13	MELAND	0001	10.80	25	108												
Spp	Sort	Grade	% Net BdFt	Bd. Ft. per Acre			Total Net MBF	Percent Net Board Foot Volume								Average Log			Logs Per /Acre
				Def%	Gross	Net		Log Scale Dia.			Log Length				Ln Ft	Dia In	Bd Ft	CF/ Lf	
								5-7	8-11	12-17	18+	12-23	24-31	32-39					
DF	CU	UT			113	113	1	29	71		33	67			27	9	71	0.93	1.6
DF	JA	2M	4		2,390	2,390	26		82	18			100		40	14	317	1.62	7.5
DF	PW	3M	3		2,046	2,046	22	100					100		40	11	189	1.02	10.8
DF	CH	2M	11	.5	6,112	6,082	66		77	23			7	93	40	15	425	2.13	14.3
DF	RG	3M	2	1.3	1,432	1,414	15		72	28	4		59	37	35	16	435	2.38	3.2
DF	DO	2M	46	2.5	28,131	27,427	296		55	45	1	4	81	14	35	16	400	2.19	68.6
DF	DO	3M	21	.2	12,229	12,204	132	24	69	6			2	82	36	8	108	0.70	112.7
DF	DO	4M	4		2,363	2,363	26	87	13		31	43	17	8	26	6	37	0.39	63.2
DF	JC	2M	9	.3	5,054	5,041	54		91	9				100	40	15	383	1.95	13.2
DF	Totals		92	1.3	59,869	59,079	638	9	18	48	25	2	4	57	34	10	200	1.22	295.0
GF	DO	2M	70	1.6	1,754	1,726	19		77	23			19	81	39	15	419	2.10	4.1
GF	DO	3M	30		722	722	8	19	81				54	46	36	8	129	0.80	5.6
GF	Totals		4	1.1	2,475	2,448	26	6	24	54	16			30	37	11	252	1.37	9.7
RA	PU	4M	13		319	319	3	75	25		25	24	51		30	6	51	0.35	6.3
RA	HW	3M	39	3.1	918	890	10		75	25			23	50	34	11	190	1.24	4.7
RA	HW	4M	48	3.7	1,136	1,093	12	100			23	28	9	39	31	9	105	0.78	10.4
RA	Totals		4	3.0	2,372	2,302	25	10	80	10	14	26	31	29	32	8	108	0.77	21.4
BM	HW	4M	100	6.1	588	552	6		55	45	100				18	11	92	1.07	6.0
BM	Totals		1	6.1	588	552	6		55	45	100				18	11	92	1.07	6.0
Type Totals				1.4	65,305	64,381	695	8	21	47	24	3	5	55	34	10	194	1.19	332.1

Area 2 Timber

The 7.7 acres of 24-year-old pre-merchantable timber is projected to have an estimated final harvest at the age of 50, with a future volume of 188 MBF.





SUBJECT: Meland Tract

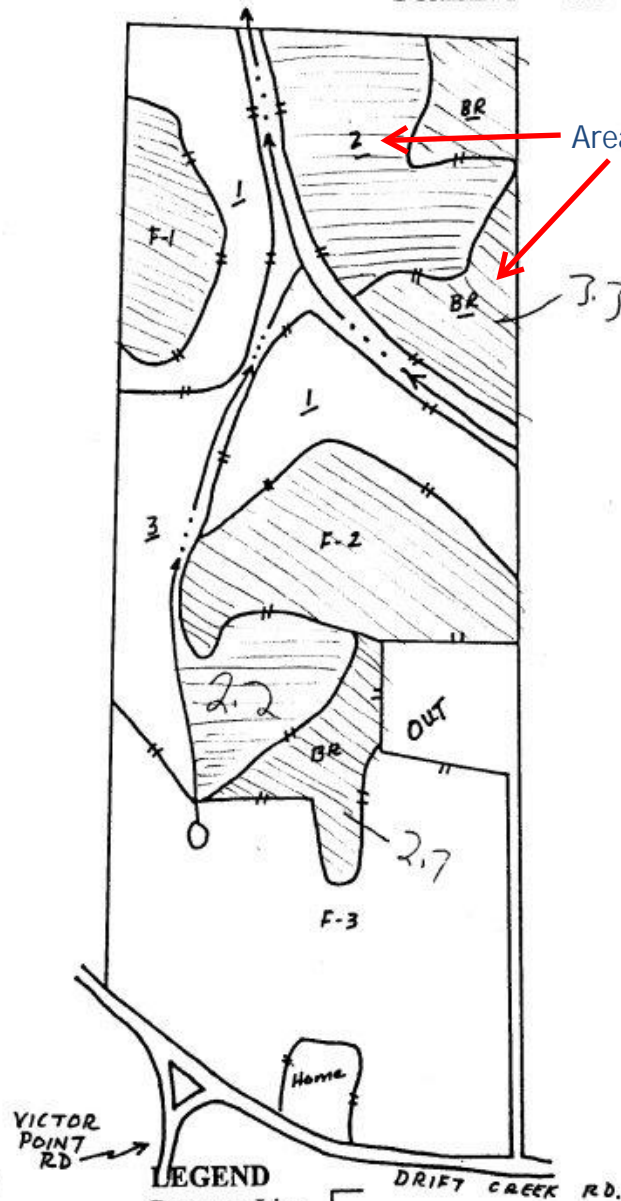
COUNTY: Marion

SUB-DIVISION: Tax Lot 700

SEC. 13 TWP. 7S RGE. 1W

SCALE: 1" = 400'

SOILS MAP
All nekia Silt Clay
Loam



SYMBOL	ACRES
1 Old Timber	7.8
2 24yr Timber	5.0
3 Mixed Timber	6.0
F1 Field 1	2.7
F2 Field 2	6.1
F3 Field 3	16.19
RMZ	2.0
Home	.8
Total	52.59

Trees & Springs





Additional Forest Views



