

Cruise Details

Tract Name:	Morel
Client Name:	Nick Morel
Inventory Type:	Point Sample
Cruise Acres:	59
Total Acres:	59
Number of Plots:	65
BAF:	20
Plot/Line Spacing:	3 x 3 chains
DBH Class:	2 inch
Volume Scale:	Doyle
Form Class:	78
Cruise Date:	7/2022
Date of Report:	8/4/2022

Cruise Summary | Sawtimber

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

Species	Trees	Total BFV	Avg. BF/Tree	BFV/Acre	% of BFV	Avg. DBH	Avg. MHT	BA/Acre	Price/MBF	Total Value
AB	13	650	50	11	0.2	16	0.5	0.3	45	\$29
BB	43	4,650	108	79	1.7	15.2	2.3	0.9	38	\$177
BO	60	4,927	82	84	1.7	14.6	1.6	1.2	320	\$1,577
BSW	97	8,117	84	138	2.9	14.2	1.8	1.8	103	\$836
BUC	40	1,644	41	28	0.6	12.8	1.1	0.6	45	\$74
CO	566	46,096	81	781	16.4	14.2	1.5	11.1	355	\$16,364
CUC	66	7,379	112	125	2.6	15.5	1.8	1.5	200	\$1,476
HE	147	8,839	60	150	3.1	13.3	1.7	2.5	50	\$442
HI	24	4,122	172	70	1.5	16.3	2.6	0.6	92	\$379
HM	23	670	29	11	0.2	12	1	0.3	500	\$335
MAG	69	2,334	34	40	0.8	12	1.3	0.9	45	\$105
POP	215	34,323	160	582	12.2	16.4	2.5	5.5	234	\$8,032
RO	346	72,611	210	1,231	25.8	18.3	2.1	11.4	340	\$24,688
SM	233	20,303	87	344	7.2	14.4	1.6	4.6	330	\$6,700
SO	158	24,215	153	410	8.6	16.2	2.3	4	200	\$4,843
WO	103	10,498	102	178	3.7	14.8	2	2.2	620	\$6,509
WP	82	30,423	371	516	10.8	19.8	4.4	3.1	50	\$1,521
TOTAL	2,285	281,801	123	4,776	100	15.3	1.9	52.5	263	\$74,087

Cruise Summary | Pulpwood

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

Species	Trees	Total Tons	Avg. Tons/Tree	Tons/Acre	% of Tons	Avg. DBH	Avg. PHT	BA/Acre	Price/Ton	Total Value
AB	33	12.1	0.37	0.2056	0.9	10	4	0.3	2.5	\$30
BB	628	145	0.23	2.4582	10.3	7.8	3.7	3.7	3	\$435
BL	104	26.8	0.26	0.454	1.9	8	4.5	0.6	2.5	\$67
BSW	347	122.9	0.35	2.0852	8.8	8	5.1	2.2	3	\$369
BUC	66	22.2	0.34	0.3772	1.6	10	3.5	0.6	3	\$67
CO	595	206.8	0.35	3.509	14.7	8.8	4.9	4.3	2.5	\$517
CUC	177	57.2	0.32	0.9689	4.1	7.3	5.4	0.9	3	\$172
HE	340	98.9	0.29	1.6767	7.1	8.8	4	2.5	2.5	\$247
HI	144	22.2	0.15	0.3762	1.6	6.7	3.1	0.6	2.5	\$56
HM	33	12.1	0.37	0.2056	0.9	10	4	0.3	2.5	\$30
MAG	722	88.6	0.12	1.5024	6.3	6.7	2.3	3.1	3	\$266
MXH	281	64.9	0.23	1.1003	4.6	7.6	3.6	1.5	2.5	\$162
POP	203	95.9	0.47	1.6269	6.8	9	6.1	1.5	3	\$288
RO	184	83	0.45	1.408	5.9	9.4	5.4	1.5	2.5	\$208
SAS	144	19.5	0.14	0.3303	1.4	6.7	2.7	0.6	2.5	\$49
SM	618	155.4	0.25	2.6363	11.1	7.5	3.6	3.4	3	\$466
SO	118	51.6	0.44	0.876	3.7	9.1	6.2	0.9	2.5	\$129
VP	52	15.1	0.29	0.256	1.1	8	5	0.3	3	\$45
WO	137	47.3	0.35	0.8026	3.4	8.5	5.2	0.9	2.5	\$118
YB	248	54.7	0.22	0.9277	3.9	7.3	4.3	1.2	2.5	\$137
TOTAL	5174	1402.2	0.3	23.8	100	7.9	4.1	30.9	3	\$3,858

Stand Table | Sawtimber

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

DBH Class (inches)

Species	12	14	16	18	20	22	24	26	28	30	Total
AB	-	-	13	-	-	-	-	-	-	-	13
BB	-	17	26	-	-	-	-	-	-	-	43
BO	23	17	13	-	-	7	-	-	-	-	60
BSW	23	51	13	10	-	-	-	-	-	-	97
BUC	23	17	-	-	-	-	-	-	-	-	40
CO	299	119	13	100	16	7	12	-	-	-	566
CUC	23	-	13	30	-	-	-	-	-	-	66
HE	69	68	-	10	-	-	-	-	-	-	147
HI	-	17	-	-	-	7	-	-	-	-	24
HM	23	-	-	-	-	-	-	-	-	-	23
MAG	69	-	-	-	-	-	-	-	-	-	69
POP	23	34	52	90	16	-	-	-	-	-	215
RO	23	51	65	110	16	28	24	5	20	4	346
SM	92	51	52	30	8	-	-	-	-	-	233
SO	23	51	13	50	16	-	-	5	-	-	158
WO	23	34	26	20	-	-	-	-	-	-	103
WP	-	-	-	30	40	7	-	5	-	-	82
TOTAL	736	527	299	480	112	56	36	15	20	4	2,285

Stock Table | Sawtimber

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

DBH Class (inches)

Species	12	14	16	18	20	22	24	26	28	30	Total
AB	-	-	650	-	-	-	-	-	-	-	650
BB	-	1,426	3,224	-	-	-	-	-	-	-	4,650
BO	670	1,426	1,222	-	-	1,609	-	-	-	-	4,927
BSW	370	3,601	1,937	2,209	-	-	-	-	-	-	8,117
BUC	370	1,274	-	-	-	-	-	-	-	-	1,644
CO	7,510	8,847	1,508	18,051	4,343	1,197	4,640	-	-	-	46,096
CUC	670	-	1,716	4,993	-	-	-	-	-	-	7,379
HE	2,196	4,958	-	1,685	-	-	-	-	-	-	8,839
HI	-	1,426	-	-	-	2,696	-	-	-	-	4,122
HM	670	-	-	-	-	-	-	-	-	-	670
MAG	2,334	-	-	-	-	-	-	-	-	-	2,334
POP	670	2,853	7,098	18,760	4,942	-	-	-	-	-	34,323
RO	670	3,905	7,748	18,893	4,044	9,794	10,008	2,654	12,462	2,433	72,611
SM	2,842	2,904	6,240	5,846	2,471	-	-	-	-	-	20,303
SO	670	4,126	1,937	9,678	5,150	-	-	2,654	-	-	24,215
WO	670	2,700	3,224	3,904	-	-	-	-	-	-	10,498
WP	-	-	-	7,932	15,003	3,583	-	3,905	-	-	30,423
TOTAL	20,312	39,446	36,504	91,951	35,953	18,879	14,648	9,213	12,462	2,433	281,801

Stand Table | Pulpwood

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

DBH Class (inches)

Species	6	8	10	Total
AB	-	-	33	33
BB	184	312	132	628
BL	-	104	-	104
BSW	92	156	99	347
BUC	-	-	66	66
CO	-	364	231	595
CUC	92	52	33	177
HE	-	208	132	340
HI	92	52	-	144
HM	-	-	33	33
MAG	552	104	66	722
MXH	92	156	33	281
POP	-	104	99	203
RO	-	52	132	184
SAS	92	52	-	144
SM	368	52	198	618
SO	-	52	66	118
VP	-	52	-	52
WO	-	104	33	137
YB	92	156	-	248
TOTAL	1,656	2,132	1,386	5,174

Stock Table | Pulpwood

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

DBH Class (inches)

Species	6	8	10	Total
AB	-	-	12.1	12.1
BB	20.2	71	53.8	145
BL	-	26.8	-	26.8
BSW	7.1	47.4	68.4	122.9
BUC	-	-	22.2	22.2
CO	-	99.6	107.2	206.8
CUC	20.3	15.1	21.8	57.2
HE	-	49.6	49.3	98.9
HI	7.1	15.1	-	22.2
HM	-	-	12.1	12.1
MAG	42.6	16.8	29.2	88.6
MXH	7.1	34.5	23.3	64.9
POP	-	27.5	68.4	95.9
RO	-	12.4	70.6	83
SAS	7.1	12.4	-	19.5
SM	31.4	7.1	116.9	155.4
SO	-	19.9	31.7	51.6
VP	-	15.1	-	15.1
WO	-	30.2	17.1	47.3
YB	10.1	44.6	-	54.7
TOTAL	153	545.1	704.1	1,402

Species Codes

Code	Common Name	Scientific Name	Form Class
AB	American beech	Fagus grandifolia	78
BB	sweet birch	Betula lenta	78
BL	black locust	Robinia pseudoacacia	78
BO	black oak	Quercus velutina	78
BSW	American basswood	Tilia americana	78
BUC	yellow buckeye	Aesculus octandra	78
CO	chestnut oak	Quercus prinus	78
CUC	cucumbertree	Magnolia acuminata	78
HE	eastern hemlock	Tsuga canadensis	78
HI	hickory	Carya spp.	78
HM	sugar maple	Acer saccharum	78
MAG	magnolia	Magnolia spp.	78
MXH	hardwoods		78
POP	yellow-poplar	Liriodendron tulipifera	82
RO	northern red oak	Quercus rubra	78
SAS	sassafras	Sassafras albidum	78
SM	red maple	Acer rubrum	78
SO	scarlet oak	Quercus coccinea	78
VP	Virginia pine	Pinus virginiana	78
WO	white oak	Quercus alba	78
WP	eastern white pine	Pinus strobus	78
YB	yellow birch	Betula alleghaniensis	78

Cruise Statistics

Nick Morel | Morel | 8/4/2022 | S1066 | Point Sample

Sawtimber Statistics (based on 65 sample points)

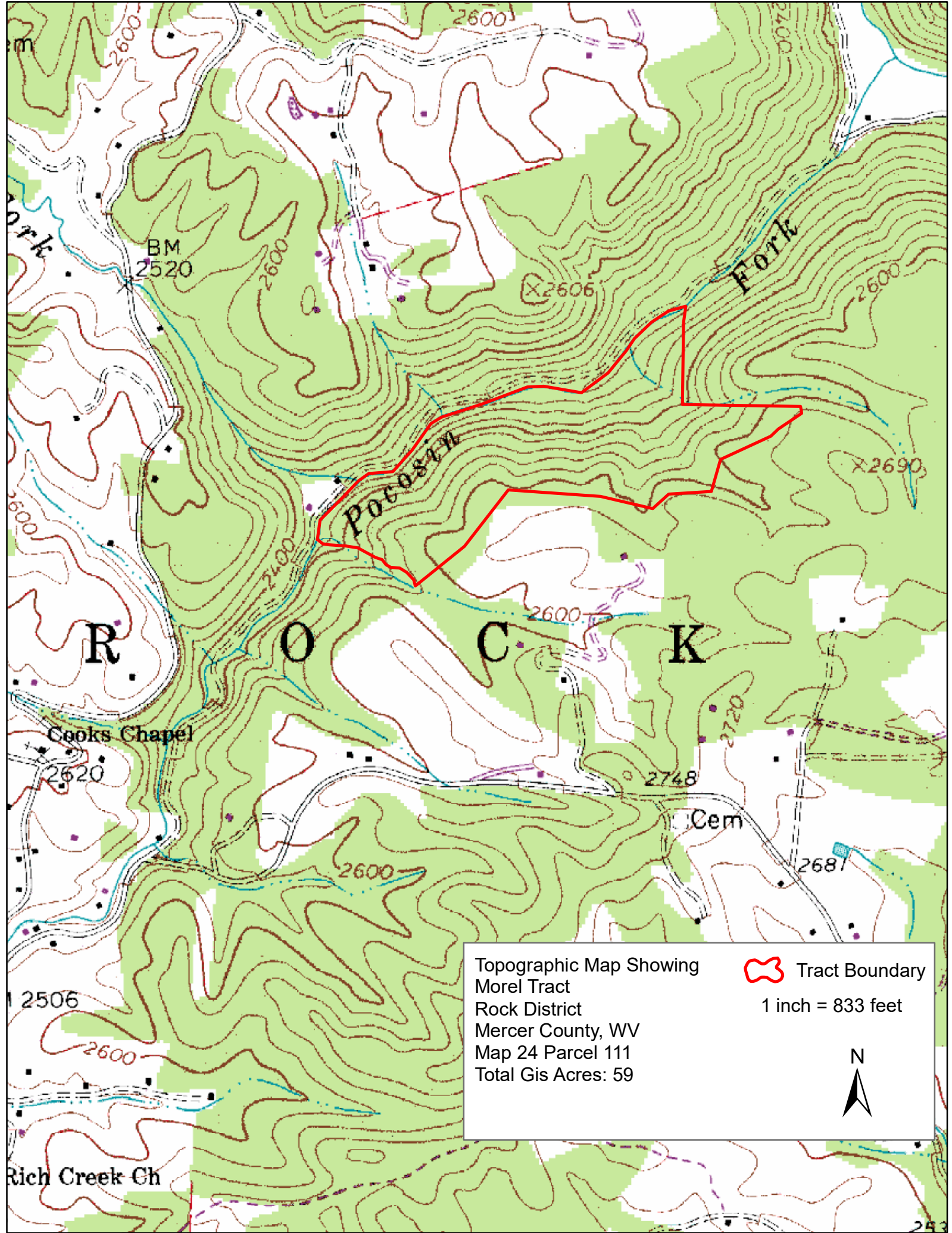
Coefficient of Variation (CV)%: 91

Confidence Level	% of Mean	(BFV/Acre)				(Total BFV)			
		+/-	Lower CL	Mean	Upper CL	+/-	Lower CL	Total	Upper CL
99%	28.9	1,383	3,394	4,776	6,159	81,597	200,204	281,801	363,398
95%	22	1,052	3,725	4,776	5,828	62,068	219,733	281,801	343,869
90%	18.5	883	3,894	4,776	5,659	52,097	229,704	281,801	333,898
80%	14.4	688	4,088	4,776	5,465	40,592	241,209	281,801	322,393
70%	11.6	556	4,220	4,776	5,332	32,804	248,997	281,801	314,605
68%	11.2	537	4,240	4,776	5,313	31,683	250,118	281,801	313,484

Pulpwood Statistics (based on 65 sample points)

Coefficient of Variation (CV)%: 111

Confidence Level	% of Mean	(Tons/Acre)				(Total Tons)			
		+/-	Lower CL	Mean	Upper CL	+/-	Lower CL	Total	Upper CL
99%	35.6	8	15	24	32	502	901	1,402	1,904
95%	27.1	6	17	24	30	378	1,025	1,402	1,780
90%	22.7	5	18	24	29	319	1,084	1,402	1,721
80%	17.7	4	20	24	28	248	1,154	1,402	1,650
70%	14.3	3	20	24	27	201	1,202	1,402	1,603
68%	13.8	3	20	24	27	195	1,207	1,402	1,597



Topographic Map Showing
Morel Tract
Rock District
Mercer County, WV
Map 24 Parcel 111
Total Gis Acres: 59

 Tract Boundary
1 inch = 833 feet

