

Cruise Details

Tract Name----- TFG LWB Alderman

Number of Sample Points----- 33

Cruised Acres----- 712

Total Acres----- 858

Volume Scale----- DOYLE

Form Class----- 78



Cruise ID: W3043
 Tract Name: TFG LWB Alderman - Stand:
 Client: The Forestland Group
 Volume Scale: DOYLE

Cruise Summary - Sawtimber

Date: 10/2/2014
 Inventory Type: POINT SAMPLE
 Page: 1

Species	Sawtimber Trees	Total BF Volume	Average BF/Tree	BF/Acre	Average DBH	Average MHT	% Total Volume	Basal Area /Acre
BB	1,056	65,645	62.1	92.2	14.7	1.3	2.8	1.8
BC	1,846	91,098	49.3	127.9	12.9	1.4	3.8	2.4
BL	549	15,934	29.0	22.4	12.0	1.0	0.7	0.6
BO	549	23,626	43.0	33.2	12.0	2.0	1.0	0.6
CO	3,578	234,517	65.5	329.4	13.8	1.5	9.8	5.5
CUC	549	26,373	48.0	37.0	12.0	2.5	1.1	0.6
HE	4,688	254,918	54.4	358.0	13.6	1.3	10.7	6.7
HI	1,099	39,560	36.0	55.6	12.0	1.5	1.7	1.2
HM	309	35,851	116.0	50.4	16.0	2.0	1.5	0.6
POP	4,924	428,140	87.0	601.3	13.7	2.3	18.0	7.3
PP	549	8,791	16.0	12.3	12.0	0.5	0.4	0.6
RO	2,628	227,044	86.4	318.9	14.2	1.6	9.5	4.2
SM	4,752	216,643	45.6	304.3	12.8	1.4	9.1	6.1
SO	404	19,376	48.0	27.2	14.0	1.0	0.8	0.6
VP	309	46,050	149.0	64.7	16.0	3.0	1.9	0.6
WA	553	69,100	124.9	97.1	16.9	1.7	2.9	1.2
WO	4,254	213,723	50.2	300.2	12.8	1.4	9.0	5.5
WP	2,619	364,684	139.2	512.2	15.1	2.2	15.3	4.8
Summary	35,217	2,381,073	68	3,344	13.5	1.6	100	50.9

Saw Timber Stock

Date: 10/2/2014
Inventory Type: POINT SAMPLE
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Cruise ID: W3043
Tract Name: TFG LWB Alderman - Stand:
Client: The Forestland Group

Cruise Summary - Pulp

Date: 10/2/2014
Inventory Type: POINT SAMPLE
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Species	Pulp Trees	Total Tons	Average Tons/Tree	Tons/Acre	Average DBH	Average PHT	% Total Tons	Basal Area /Acre
BB	11,989	2,862.4	0.24	4.0	8.0	3.7	10.5	6.1
BC	5,187	1,010.9	0.19	1.4	6.6	4.0	3.7	1.8
BG	2,198	301.1	0.14	0.4	6.0	4.0	1.1	0.6
BL	2,989	529.2	0.18	0.7	7.1	3.3	1.9	1.2
BO	2,374	1,101.3	0.46	1.5	10.0	5.3	4.0	1.8
CO	25,285	6,263.8	0.25	8.8	8.0	3.9	22.9	12.7
CUC	9,582	1,348.2	0.14	1.9	6.3	3.1	4.9	3.0
HE	8,626	2,008.9	0.23	2.8	8.4	3.1	7.3	4.8
HI	2,198	240.9	0.11	0.3	6.0	3.0	0.9	0.6
HM	6,593	843.1	0.13	1.2	6.0	3.7	3.1	1.8
MXH	6,868	809.2	0.12	1.1	6.7	2.5	3.0	2.4
MXS	3,434	338.0	0.10	0.5	6.7	2.0	1.2	1.2
POP	5,978	542.0	0.09	0.8	7.1	4.7	2.0	2.4
PP	791	288.3	0.36	0.4	10.0	4.0	1.1	0.6
RO	4,225	1,003.3	0.24	1.4	7.3	4.4	3.7	1.8
SM	18,824	3,125.3	0.17	4.4	6.9	3.2	11.4	7.3
SO	7,214	1,325.6	0.18	1.9	7.2	3.0	4.8	3.0
VP	791	288.3	0.36	0.4	10.0	4.0	1.1	0.6
WA	791	288.3	0.36	0.4	10.0	4.0	1.1	0.6
WO	6,423	1,123.3	0.17	1.6	6.9	3.4	4.1	2.4
WP	6,656	1,711.6	0.26	2.4	8.2	3.2	6.3	3.6
Summary	139,016	27,353.0	0.2	38.3	7.4	3.5	100	60.3

Cruise ID: W3043
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Pulp Stand

Date: 10/2/2014
 Inventory Type: POINT SAMPLE
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Species	DBH Inches									
	6	8	10	12	14	Total				
BB	2,198	7,417	2,374	0	0	11,989				
BC	4,396	0	791	0	0	5,187				
BG	2,198	0	0	0	0	2,198				
BL	2,198	0	791	0	0	2,989				
BO	0	0	2,374	0	0	2,374				
CO	6,593	12,362	6,330	0	0	25,285				
CUC	8,791	0	791	0	0	9,582				
HE	2,198	2,472	3,956	0	0	8,626				
HI	2,198	0	0	0	0	2,198				
HM	6,593	0	0	0	0	6,593				
MXH	4,396	2,472	0	0	0	6,868				
MXS	2,198	1,236	0	0	0	3,434				
POP	4,396	0	1,582	0	0	5,978				
PP	0	0	791	0	0	791				
RO	2,198	1,236	791	0	0	4,225				
SM	13,187	2,472	3,165	0	0	18,824				
SO	4,396	1,236	1,582	0	0	7,214				
VP	0	0	791	0	0	791				
WA	0	0	791	0	0	791				
WO	4,396	1,236	791	0	0	6,423				
WP	2,198	2,472	1,582	0	404	6,656				
Total	74,728	34,611	29,273	0	404	139,016				

Species Codes

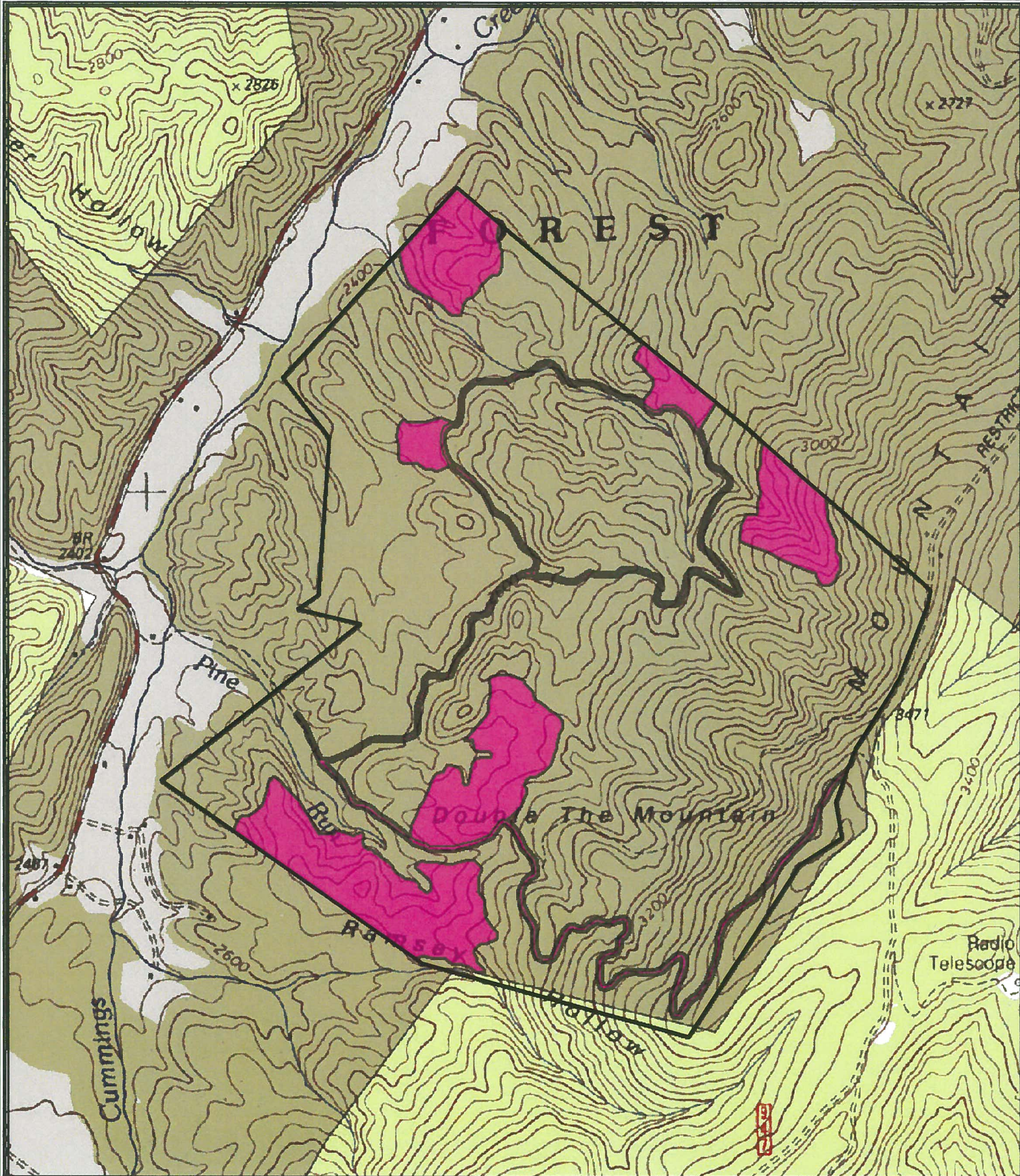
Code	Name	Form Class
BB -----	BLACK BIRCH	78
BC -----	BLACK CHERRY	78
BG -----	BLACK GUM	78
BL -----	BLACK LOCUST	78
BO -----	BLACK OAK	78
CO -----	CHESTNUT OAK	78
CUC -----	CUCUMBER	78
HE -----	EASTERN HEMLOCK	78
HI -----	HICKORY	78
HM -----	SUGAR MAPLE	78
MXH -----	MISC HWD	78
MXS -----		78
POP -----	YELLOW-POPLAR	78
PP -----	PITCH PINE	78
RO -----	RED OAK	78
SM -----	RED MAPLE	78
SO -----	SCARLET OAK	78
VP -----	VIRGINIA PINE	78
WA -----	WHITE ASH	78
WO -----	WHITE OAK	78
WP -----	WHITE PINE	78

Statistical Overview

<i>Confidence Level</i>		99%	98%	95%	90%	80%	70%	67%
<i>Confidence Limits</i>	<i>(As Percentage)</i>	41.0	37.0	31.2	26.2	20.4	16.5	15.9
<i>Confidence Limits</i>	<i>(BF/ACRE)</i>	1371.6	1238.5	1043.6	875.9	682.6	551.6	532.4
<i>Confidence Limits</i>	<i>(Tract Volume)</i>	976,559	881,784	743,034	623,618	486,005	392,746	379,099
<i>Coefficient of Variation</i>	91.5							

These statistical predictions are made by the following calculations:

- 1. Calculation of the average board foot volume per sample point.*
- 2. Calculation of the standard deviation of these individual observations.*
- 3. Calculation of the coefficient of variation by establishing a ratio of the standard deviation to the mean.*
- 4. Calculation of the standard error of the mean*
- 5. Expression of the standard error as confidence limits based on desired confidence (or probability) level.*



**Heartwood Forestland Fund IV
Lewisburg Properties
Alderman Tract**



1 inch = 1,320 feet

Legend

 Alderman Tract 858 Ac

Cruise Area

 Cruised 712 Ac

 Not Cruised 146 Ac