

Gregg Forest Services

January 24, 2019

3686 E. State Rd. 56
Scottsburg, IN 47170

Gail Dillman
P.O. Box 356
Marengo, IN 47140

Gail,

Thank you for your interest in professional forest management through **Gregg Forest Services**. The following report is the result of the Timber Appraisal for your woodland south of Marengo. The appraised value of the merchantable standing timber is based upon the prices paid for standing timber in November and December of 2018 and January of 2019. Your property contains approximately 37 acres of contiguous timber in 2 tracts.

Forest Location Acreage:

- 1.) Section 7, T2S, R2E, Liberty Township, in Crawford County, Indiana. 13 Acres of Timber (N Tract)
- 2.) Section 7, T2S, R2E, Liberty Township, in Crawford County, Indiana. 24 Acres of Timber (S Tract)

Timber Cruising Method: Point sampling method, which included any tree that measured 12" or greater diameter at breast height (DBH - 4.5 feet from the ground) within each sample point that was within a 10 BAF open gauge sampling range. Thirty-four (34) sample points were taken on these tracts for this timber appraisal.

The enclosed timber appraisal on the following pages shows the results of the inventory. The property was divided into a NW and SE tract based on their geographic location.

Overall, the 37 acres of timber in this tract are mostly sapling to sawtimber sized trees, meaning the trees are small sawtimber (14-16 inch DBH) and large sawtimber (24-28 inch DBH) to very large sawtimber (30" or greater DBH) in size. Timber in the tracts is mostly mixed hardwoods consisting mainly of yellow-poplar, white oak, and red oak. In the N tract, we found 35.4 trees per acre, and 73 ft²/a of basal area, as well as 6737 board feet/acre. In the S Tract we found 46.7 trees per acre, 79.4 ft²/a, and 4789 board feet per acre. The N tract is currently ready for a timber sale in our estimation. With some forest management, the south tract could be ready potentially within 10 to 15 years.

This timber appraisal is an estimate of the value of your timber and not a guarantee of the value for any sale purposes. As with any appraisal, the timber value is subject to change based on the economies of the United States and other wood using countries. These changes, which can lower the price of timber are usually short term in nature and last about 18 months. Over the past 30 years hardwood timber has increased in value except for a few brief periods where it lost ground always to recover within 18 months.

Enrolling in Classified Forest helps you by setting you up with a basic management guide for you woodland as well as getting you a tax break on your property taxes. It also guarantees that the District Forester will do a quick inspection at least every five years in your woodland. They use that inspection as a way to help you identify management activities that can be done to help improve your timber stand according to your goals.

To help get the invasive species removed and complete TSI you can apply for cost-share money from the NRCS through a program called EQIP. The 2019 rates for this work are very reasonable, EQIP will pay about 75%-90% of the cost do Brush Management or Forest Stand Improvement. If you have any questions about getting signed up for either program you can contact Abby Irwin, your local District Forester for Crawford County. She can be contacted at (812) 738-7694 or by email at abirwin@dnr.in.gov.

Your woodland holds great potential for the future. Investing in it is the best way to help it continue to grow in value over time.

If you have any further interest in ongoing forest management, **Gregg Forest Services** can be reached at (812) 987-4060 if you have any questions, comments, or concerns regarding these activities or this appraisal.

Michael G. Gregg, Consultant Forester, made this timber appraisal.

Signed: Michael G. Gregg January 23, 2019

Encl: Inventory Report, Property Map, and Invoice

**INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FORESTRY**

**SUMMARY AND ANALYSIS OF FOREST INVENTORY 2000
FOR LEAVE, HARVEST, AND TSI TREES**

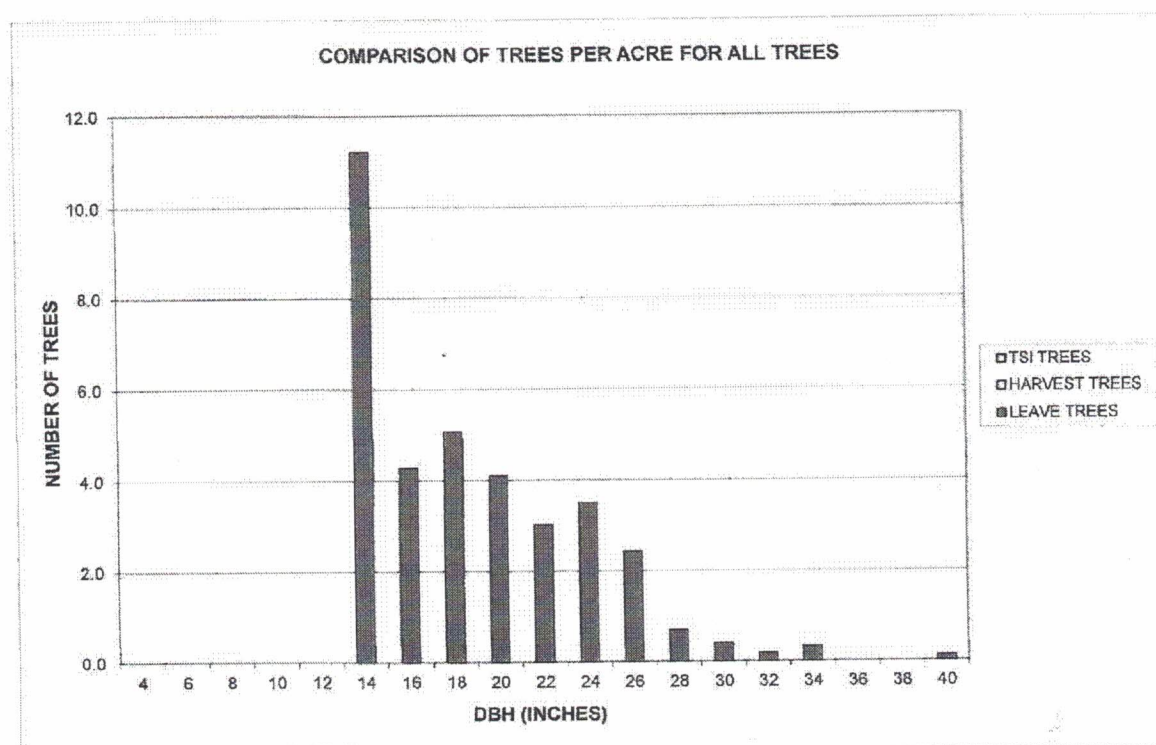
OWNER: Dillman
TRACT: North
ACRES: 13

DATE: 11/22/2019
FORESTER: M Gregg

This inventory was accomplished using a wedge prism or angle gauge with a basal area factor of **10** over **10** sample points. All figures for volume are in board-feet (bd-ft) Doyle, all figures for basal area (BA) are in feet², and all figures for diameter at breast height (dbh) are in inches.

TRACT SUMMARY

SUMMARY OF ALL TREES											
DBH	LEAVE TREES			HARVEST TREES			TSI TREES		ALL TREES		
	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE	TREES PER ACRE	BASAL AREA / ACRE	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE
4											
6											
8											
10											
12											
14	393	11.2	12.0						393	11.2	12.0
16	316	4.3	6.0						316	4.3	6.0
18	656	5.1	9.0						656	5.1	9.0
20	850	4.1	9.0						850	4.1	9.0
22	847	3.0	8.0						847	3.0	8.0
24	1525	3.5	11.0						1525	3.5	11.0
26	1016	2.4	9.0						1016	2.4	9.0
28	215	0.7	3.0						215	0.7	3.0
30	230	0.4	2.0						230	0.4	2.0
32	121	0.2	1.0						121	0.2	1.0
34	363	0.3	2.0						363	0.3	2.0
36											
38											
40	204	0.1	1.0						204	0.1	1.0
TOTAL	6,737	35.4	73.0						6,737	35.4	73.0



OWNER: Dillman
TRACT: North
ACRES: 13

DATE:
FORESTER:

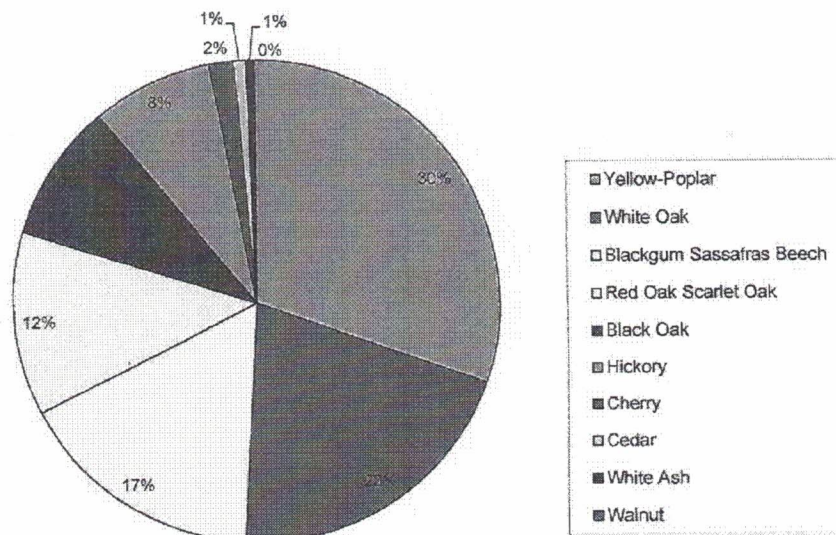
11/22/2019
M Gregg

SUMMARY OF LEAVE TREES

SUMMARY OF LEAVE TREES BY SPECIES									
SPECIES	VOL. PER ACRE	PCT. OF PER ACRE VOL	TREES PER ACRE	PCT. OF PER ACRE TREES	BASAL AREA/ ACRE	PCT. OF PER ACRE BA	AVG. DBH		TOTAL TRACT VOLUME
Yellow-Poplar	2054	30.5%	5.6	15.7%	15.0	20.5%	22.2		26,697
White Oak	1371	20.3%	7.2	20.2%	15.0	20.5%	19.6		17,819
Blackgum Sassafras Beech	1117	16.6%	6.8	19.3%	16.0	21.9%	20.7		14,524
Red Oak Scarlet Oak	832	12.4%	2.7	7.6%	7.0	9.6%	21.9		10,818
Black Oak	620	9.2%	1.7	4.8%	5.0	6.8%	23.2		8,063
Hickory	543	8.1%	7.5	21.1%	10.0	13.7%	15.7		7,062
Cherry	108	1.6%	0.3	0.8%	1.0	1.4%	26.0		1,407
Cedar	56	0.8%	1.9	5.3%	2.0	2.7%	14.0		730
White Ash	36	0.5%	1.9	5.3%	2.0	2.7%	14.0		462
Walnut									-
PER ACRE TOTALS	6737	100.0%	35.4	100.0%	73.0	100.0%	19.4		87,583

SUMMARY OF VOLUME PER ACRE FOR LEAVE TREES BY SPECIES AND SIZE CLASS											
DBH	*** SPECIES LISTING ***										VOL. PER ACRE
	Yellow-Poplar	White Oak	Blackgum Sassafras Beech	Red Oak Scarlet Oak	Black Oak	Hickory	Cherry	Cedar	White Ash	Walnut	
12											
14		77	18	38		168		56	36		393
16		123	44			149					316
18	169	170	48	67	67	135					656
20	254	181	325			91					850
22	388	97	247	116							847
24	930		205	123	267						1525
26	151	454	194		108		108				1016
28			38		177						215
30	161			69							230
32		121									121
34		148		215							363
36											
38											
40				204							204
VOL./ACRE	2054	1371	1117	832	620	543	108	56	36		6737

DISTRIBUTION OF VOLUME PER ACRE FOR LEAVE TREES



**INDIANA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FORESTRY**

**SUMMARY AND ANALYSIS OF FOREST INVENTORY 2000
FOR LEAVE, HARVEST, AND TSI TREES**

OWNER: Dillman
TRACT: South
ACRES: 24

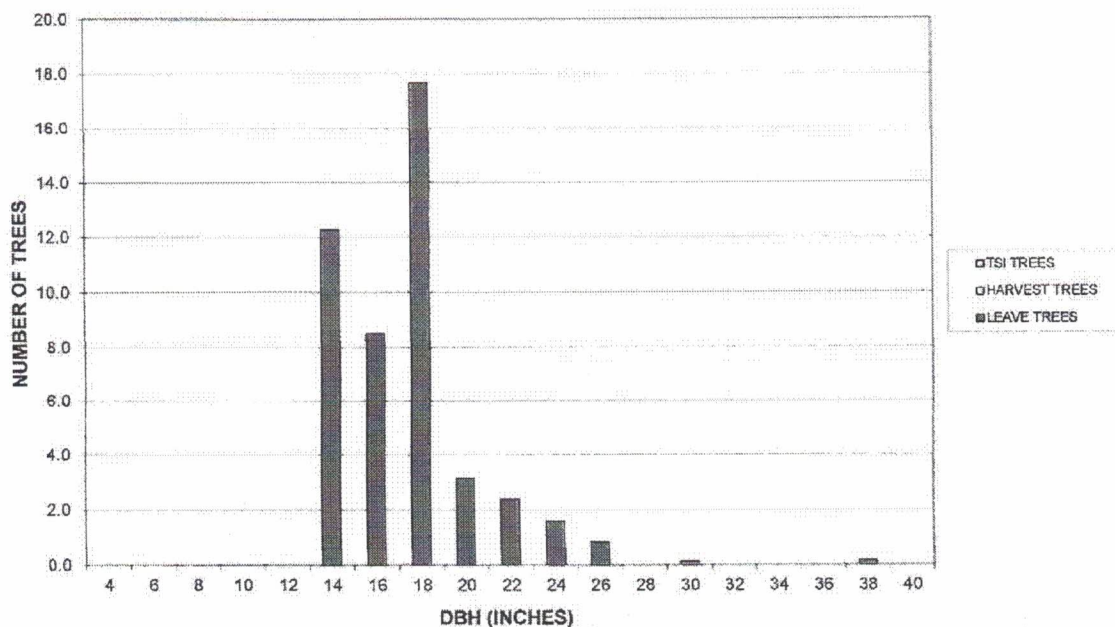
DATE: 11/22/2019
FORESTER: M Gregg

This inventory was accomplished using a wedge prism or angle gauge with a basal area factor of **10** over **16** sample points. All figures for volume are in board-feet (bd-ft) Doyle, all figures for basal area (BA) are in feet², and all figures for diameter at breast height (dbh) are in inches.

TRACT SUMMARY

SUMMARY OF ALL TREES											
DBH	LEAVE TREES			HARVEST TREES			TSI TREES		ALL TREES		
	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE	TREES PER ACRE	BASAL AREA / ACRE	VOL. PER ACRE	TREES PER ACRE	BASAL AREA / ACRE
4											
6											
8											
10											
12											
14	465	12.3	13.1						465	12.3	13.1
16	603	8.5	11.9						603	8.5	11.9
18	1613	17.7	31.3						1613	17.7	31.3
20	506	3.2	6.9						506	3.2	6.9
22	510	2.4	6.3						510	2.4	6.3
24	655	1.6	5.0						655	1.6	5.0
26	243	0.8	3.1						243	0.8	3.1
28											
30	25	0.1	0.6						25	0.1	0.6
32											
34											
36											
38	169	0.2	1.3						169	0.2	1.3
40											
TOTAL	4,789	46.7	79.4						4,789	46.7	79.4

COMPARISON OF TREES PER ACRE FOR ALL TREES



OWNER: Dillman
TRACT: South
ACRES: 24

DATE:
FORESTER:

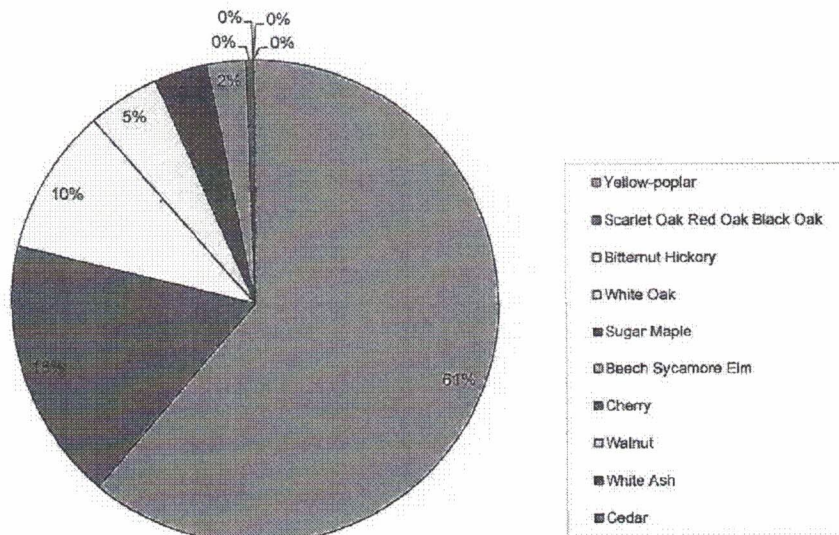
11/22/2019
M Gregg

SUMMARY OF LEAVE TREES

SUMMARY OF LEAVE TREES BY SPECIES									
SPECIES	VOL. PER ACRE	PCT. OF PER ACRE VOL.	TREES PER ACRE	PCT. OF PER ACRE TREES	BASAL AREA/ ACRE	PCT. OF PER ACRE BA	AVG. DBH		TOTAL TRACT VOLUME
Yellow-poplar	2932	61.2%	28.0	59.9%	48.1	60.6%	17.8		70,360
Scarlet Oak Red Oak Black Oak	844	17.6%	6.3	13.4%	11.9	15.0%	18.7		20,246
Bitternut Hickory	466	9.7%	6.9	14.7%	9.4	11.8%	15.8		11,192
White Oak	229	4.8%	1.4	2.9%	3.1	3.9%	20.4		5,499
Sugar Maple	171	3.6%	1.4	2.9%	2.5	3.1%	18.4		4,109
Beech Sycamore Elm	123	2.6%	2.3	4.9%	3.8	4.7%	17.3		2,947
Cherry	24	0.5%	0.6	1.3%	0.6	0.8%	14.0		575
Walnut									-
White Ash									-
Cedar									-
PER ACRE TOTALS	4,789	100.0%	46.7	100.0%	79.4	100.0%	17.7		114,928

SUMMARY OF VOLUME PER ACRE FOR LEAVE TREES BY SPECIES AND SIZE CLASS											
DBH	*** SPECIES LISTING ***										VOL. PER ACRE
	Yellow-poplar	Scarlet Oak Red Oak Black Oak	Bitternut Hickory	White Oak	Sugar Maple	Beech Sycamore Elm	Cherry	Walnut	White Ash	Cedar	
12											
14	251	48	118			24	24				465
16	263	104	93	49	27	66					603
18	998	270	170	53	106	16					1,613
20	364	124				17					506
22	370	35	85	19							510
24	617				38						655
26	68	68		108							243
28											
30		25									25
32											
34											
36											
38		169									169
40											
VOL./ACRE	2,932	844	466	229	171	123	24				4,789

DISTRIBUTION OF VOLUME PER ACRE FOR LEAVE TREES



Dillman Inventory Stand

Map

**Liberty Township
Crawford County**

1/22/2019



 Roads

 Dillman Forest

 N Stand

 S Stand

 Dillman Property Boundary