



W

www.longforestry.com

Long Forestry Const
2220 Spanish Bl
Anna, IL

Sustainable Forest Management

(618) 89

Timber Appraisal

Preparation Date: 9/2/2016
Prepared By: Long Forestry Consultation, LLC.

Location Information:

County: Union
Township: T10S
Range: R3W
Sections: 25

Land Information:

Total Acres: 110.0
Forested Acres: 57.5

Introduction

The [redacted] property has a total of 110 acres, with 97.3 total forested acres. Only stand 1, for a total of 57.5 acres, was included in the inventory for this appraisal. On August 30, 2016, 57.5 forested acres were inventoried in order to establish an appraised value of the commercial timber. Fifteen inventory plots were established across stand 1. Stand 1 is a mature oak/hickory forest with a diverse array of tree species in the overstory, ranging from white oak and hickory to yellow-poplar and American beech.

The stand is stocked in mature timber, with the primary species being white oak. Yellow-poplar is the second most common species. The growing stock in the stand is rated at good to very good.



Results

Below are the results for stand 1.

Table one describes the species composition of the forest, stocking information for each species, board feet per acre by species, and total board feet.

Table 1. Species, stocking data, and board footage for stand 1.

Species	# Trees/Acre	Bd. Ft./Acre	Total Bd. Ft.
American beech	8.4	117	6,727.5
Bitternut hickory	0.8	100	5,750
Black oak	0.3	0	0
Black walnut	0.4	157	9,027.5
Persimmon	1	69	3,967.5
Elm	8	0	0
Mockernut hickory	18.5	329	18,917.5
Pignut hickory	1.7	49	2,817.5
Shagbark hickory	9.4	297	17,077.5
Sugar maple	56.2	597	34,327.5
White ash	8.2	130	7,475
White oak	14.5	1489	85,617.5
Yellow-poplar	11	1330	76,475
Redbud	6.8	0	0
Total	145.2	4,664	268,180



Table 2 described the diameter distribution for all species in stand 1.

Table 2. Diameter distribution for all species

DBH	# Trees	Bd. Ft./Acre
2	0	0
4	30.6	0
6	34	0
8	19.1	0
10	7.3	0
12	17	350
14	11.2	466
16	7.6	655
18	6.8	896
20	5.5	806
22	3.5	951
24	1.7	373
26	0.4	166
28	0.3	0
>29	0	0
Total	145	4663



Sustainable Forest Management

(618) 893-2307

Table three describes the per acre value per species, and total value per species.

Table 3. Species per acre value and total value for stand 1.

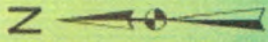
Species	Value/Acre	Total Value
American beech	\$18.00	\$1,035.00
Bitternut hickory	\$20.00	\$1,150.00
Black oak	\$0.00	\$0.00
Black walnut	\$79.00	\$4,542.50
Persimmon	\$7.00	\$402.50
Elm	\$0.00	\$0.00
Mockernut hickory	\$66.00	\$3,795.00
Pignut hickory	\$10.00	\$575.00
Shagbark hickory	\$59.00	\$3,392.50
Sugar maple	\$209.00	\$12,017.50
White ash	\$39.00	\$2,242.50
White oak	\$595.00	\$34,212.50
Yellow-poplar	\$366.00	\$21,045.00
Redbud	\$0.00	\$0.00
Total	\$1,468.00	\$84,410.00

Conclusion

There is approximately \$88,410.00 worth of timber in stand 1. A majority of the timber is in white oak stocking, followed by yellow-poplar.

Total timber value is based on all of the merchantable timber on the property. A selective timber harvest typically removes around 1/3 of the total timber present. Values are based on estimates and current market conditions, and are prone to change at any time with changing markets and demand. Call Mike Long at (618) 893-2307 for questions or additional copies of this report.

Fork Property



Residence
13.5 acres

Stand 1
57.5 acres

Field
1.7 acres

Stand 2
39.8 acres

Sec. 25
T10S R3W
Jackson County, Illinois

110 Total Acres
Forested Acres

Latitude:
Longitude:
Location:

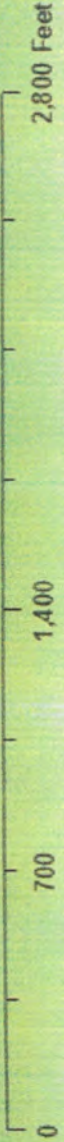
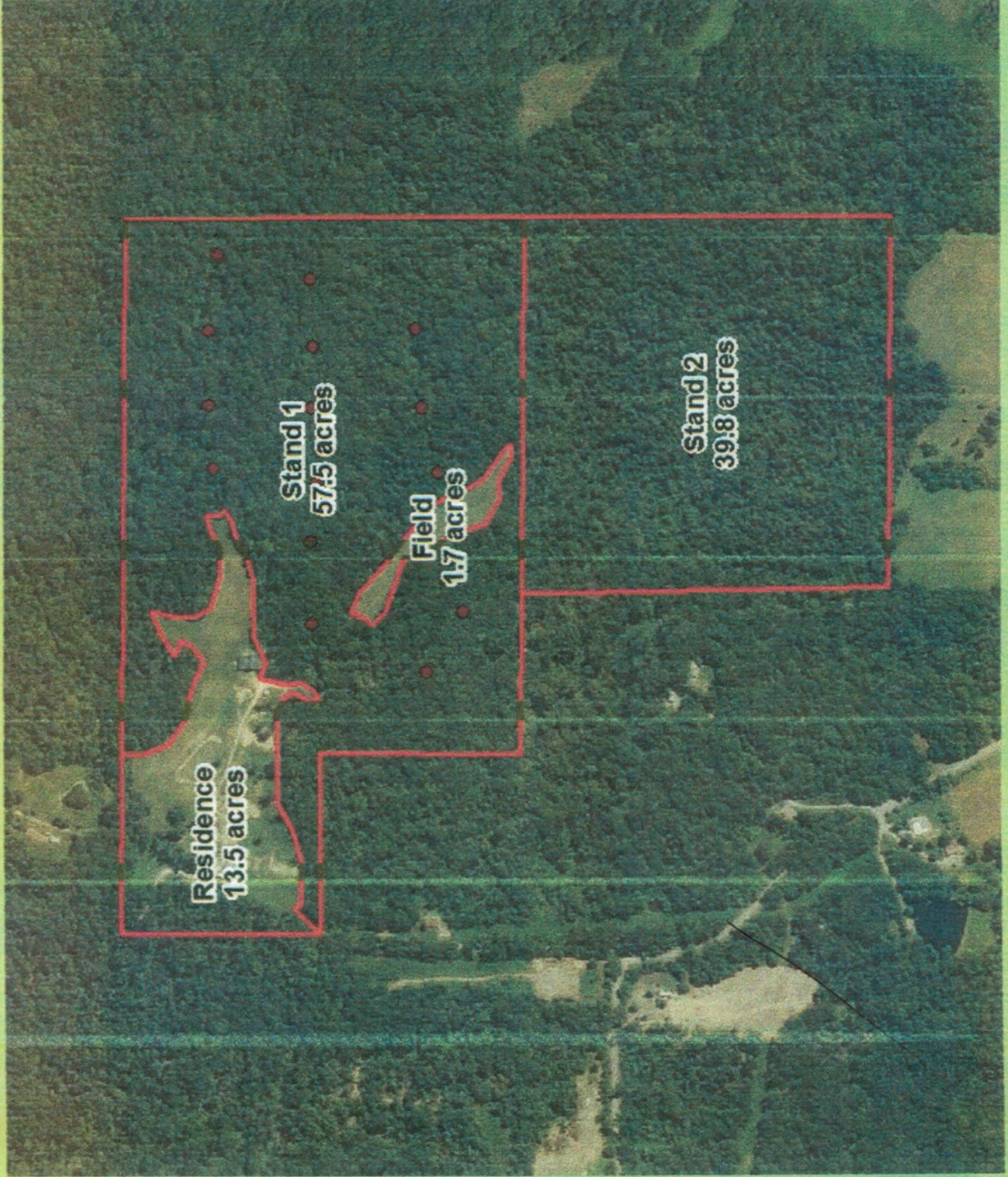
Legend



gps



stand_bnd



1 inch = 499 feet

Author: Mike Long

Date Saved: 8/30/2016 12:17:40 PM