

## **TIMBER INVENTORY**

Gertrude Sprowels Estate Taylor County, Kentucky

October 2025

**Prepared By:** 

Luke Biscan, ACF Dynamic Forest Management, LLC 47 Frontage Road Glasgow, KY 42141 TIMBER SALES - LAND SALES - INVENTORY & APPRAISAL - TIMBER TRESPASS - DRONE FLIGHTS

## **Timber Inventory Disclaimer**

This timber inventory was performed by Luke Biscan, Dynamic Forest Management LLC, 47 Frontage Road, Glasgow, Kentucky 42141, (270) 404-4288, hereinafter called the Forester, and completed for Kessler Auction & Realty Co., hereinafter called the Client.

**Boundary Lines and Acreage:** The Client was responsible to provide accurate maps, boundary line descriptions and corners. This inventory was based on the provided materials and the Client's specific objectives. Marketable timber acreage was based on the provided materials, field analysis, topographic maps as well as current and historic aerial photos.

Methodology of Inventory and Analysis: The property was inventoried during October of 2025 by systematic cruising with variable radius sample plots using a 15 factor prism. Preset inventory plots and cruise lines were established with a sampling intensity of one plot per 0.8 acres. Tree species, Diameter at Breast Height (DBH), and Merchantable Height were assessed for each marketable tree with a stump diameter of 16" and larger, no lower than 6" from ground level on the uphill side. Every tree that fell within an inventory plot was sounded and visually inspected; volume deductions were made for disease, damage, defect and hollow. The inventory does not deduct any volume for SMZ requirements, cemeteries, or powerline and road ROW. Volume estimates were determined using the Doyle Rule, Form Class 78 (Form Class 80 was used for Yellow Poplar) and represented as boardfeet (bdft). TwoDog, a forest inventory computer program, was used to calculate the volume and species data. The results are summarized within the following sections of this report.

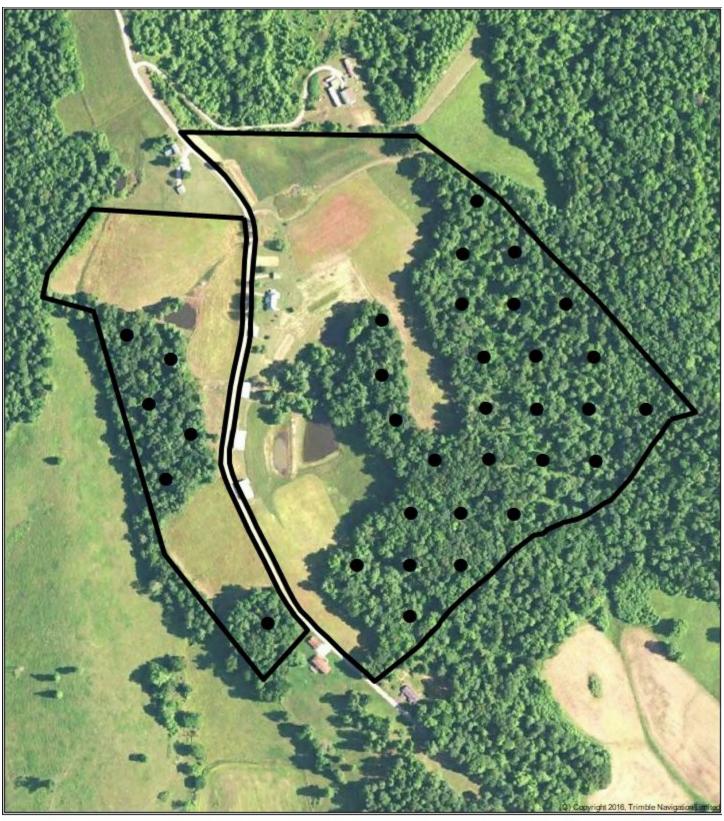
**Disclaimer of Estimates:** Estimates of volumes made by the Forester are the result of statistical sampling made in accordance with industry standards and with a variety of confidence levels depending upon what is agreed between Client and Forester. Due to the variances and accuracy levels inherent in sampling techniques, marketable timber acreage, and harvest intensity, the volumes reported by Forester are estimates only, based upon Forester's sampling and are expressly declared by Forester to not be precise statements of expected outcomes. Therefore, Client and any party interested in purchasing the timber expressly agrees and understands that volumes reported by Forester may or may not be obtainable.

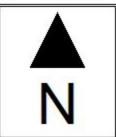
The Client should contact the Forester with any questions, comments or concerns pertaining to the property, inventory or information provided.

Luke Biscan, ACF

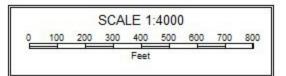
Consulting Forester

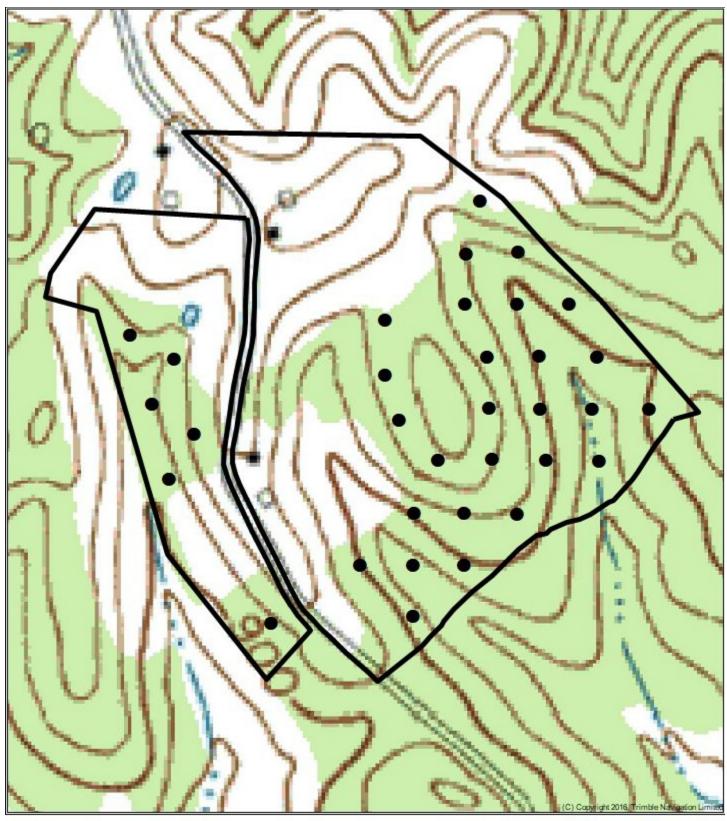
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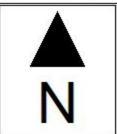




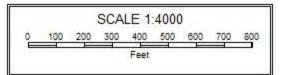
Property BoundaryForest Inventory Plot







Property BoundaryForest Inventory Plot



## **Summary of Timber Inventory Gertrude Sprowels Estate**

**Estimated Marketable Acreage:** 27 +/- acres

Topography: Gently sloping

**Inventory Intensity:** 1 plot per 0.8 acres

**Inventory % Error:** 13%

Estimated Total Volume: 245,000 board feet +/-13%, Doyle Rule Form Class 78 (Form Class 80 for Yellow Poplar)

	TOTAL				≥16" DBH			≤15" DBH		
SPECIES	VOLUME	AVG	%	\$/SPP	VOLUME	AVG	\$/SPP	VOLUME	AVG	\$/SPP
Yellow Poplar	47,000	300	19		41,000	470		6,000	90	
Hard Maple	38,000	150	15		31,000	230		7,000	60	
*Misc. Red Oak	34,000	440	14		34,000	440				
Hickory	32,000	210	13		28,000	260		4,000	90	
Beech	32,000	210	13		31,000	240		1,000	50	
Black Cherry	16,000	330	6		15,000	420		1,000	80	
Soft Maple	15,000	180	6		15,000	180				
Blackgum	14,000	160	6		12,000	180		2,000	90	
Ash	8,000	340	3		8,000	340				
White Oak	7,000	120	3		3,000	270		4,000	90	
Black Walnut	1,000	160	<1		1,000	160				
Sassafras	1,000	80	<1					1,000	80	
TOTAL	245,000	220			219,000	290		26,000	80	

<sup>\*</sup>Misc. Red Oak Includes: Black Oak (15,000 bf) and Northern Red Oak (19,000 bf).