

Woodland Inventory Report

Cunningham Properties, LLC

Brotherton Mountain Area

Putnam County, Tennessee

This report was prepared to determine the present estimated sawtimber board foot volume on a tract of land located in Putnam County, Tennessee. The field work was completed October 6, 2019.

A series of systematically spaced plots were sampled throughout the tracts and all sound merchantable hardwood trees 12 inches D.B.H. and larger and cedar trees 6 inches D.B.H. and larger were measured and tallied. Board foot volume was computed using the Doyle Log Rule (Form Class 80). The following tables list the present estimated board foot volume by species.

Tract No. 1 (67.54 Acres of Woodland)

<u>Species</u>	<u>Estimated Bd. Ft. Volume, Doyle Log Rule</u>
Hard Maple	180,100 Bd. Ft.
Hickory	72,600
White Oak	57,700
Red Oak	29,400
Poplar	27,700
Cherry	25,100
Soft Maple	18,300
Ash	12,700
Chestnut Oak	10,300
Beech	4,100
Misc. Species (Black Gum, Lynn, Buckeye, etc.)	<u>25,600</u>
Total	463,600 Bd. Ft.

This inventory was based upon 67.54 acres of woodland with an average board foot volume of 6,864 bd. ft. per acre. In the event that the wooded acreage is either less or more than 67.54 acres then the total board foot volume would also be either less or more than the above total.

Tract No. 2 (11.34 Acres of Woodland)

<u>Species</u>	<u>Estimated Bd. Ft. Volume, Doyle Log Rule</u>
Poplar	21,500 Bd. Ft.
Hickory	14,700
Chestnut Oak	6,400
White Oak	5,200
Red Oak	4,400
Hard Maple	4,400
Cherry	4,100
Ash	1,200
Soft Maple	1,200
Misc. Species (Black Gum, Buckeye, etc.)	<u>2,100</u>
Total	65,200 Bd. Ft.

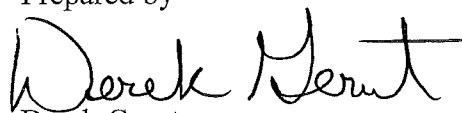
This inventory was based upon 11.34 acres of woodland with an average board foot volume of 5,750 bd. ft. per acre. In the event that the wooded acreage is either less or more than 11.34 acres then the total board foot volume would also be either less or more than the above total.

Tract No. 3 (89.85 Acres of Woodland)

<u>Species</u>	<u>Estimated Bd. Ft.</u> <u>Volume, Doyle Log Rule</u>
Poplar	169,300 Bd. Ft.
Hickory	91,900
Hard Maple	88,400
White Oak	61,400
Chestnut Oak	48,800
Red Oak	38,300
Beech	31,300
Virginia Pine	29,400
Ash	26,900
Cherry	17,500
Soft Maple	7,800
Walnut	7,600
Cedar	1,500
Misc. Species (Black Gum, Buckeye, Elm, etc.)	<u>26,800</u>
Total	646,900 Bd. Ft.

This inventory was based upon 89.85 acres of woodland with an average board foot volume of 7,200 bd. ft. per acre. In the event that the wooded acreage is either less or more than 89.85 acres then the total board foot volume would also be either less or more than the above total.

Prepared by


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