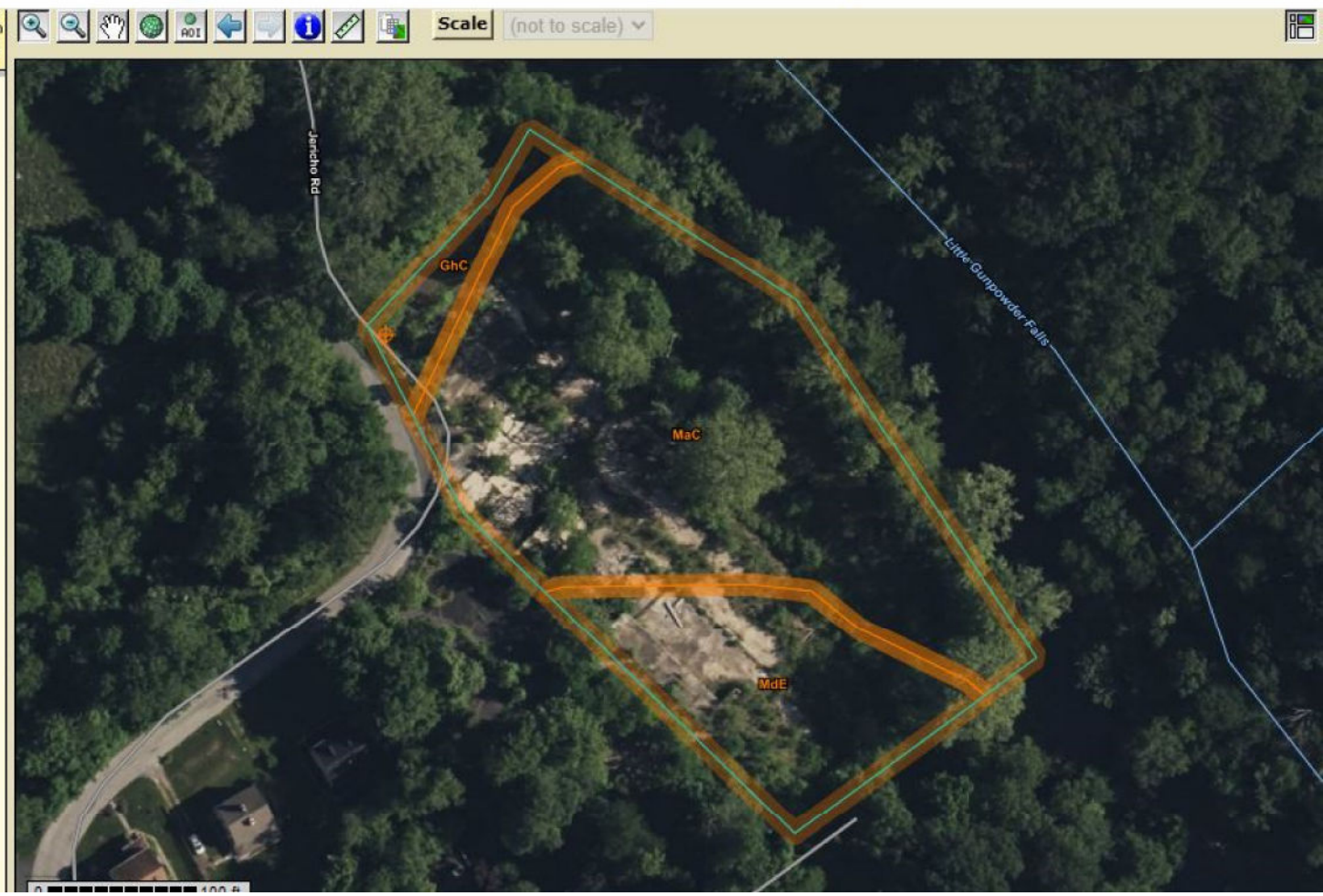


Map Unit Legend

Baltimore County, Maryland (MD005)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GhC	Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes	0.1	6.1%
MaC	Manor loam, 8 to 15 percent slopes	1.7	70.2%
MdE	Manor-Brinklow complex, 25 to 45 percent slopes, very rocky	0.6	23.7%
Totals for Area of Interest		2.4	100.0%



Baltimore County, Maryland

GhC—Glenville silt loam, somewhat poorly drained, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2w067

Elevation: 20 to 1,210 feet

Mean annual precipitation: 38 to 51 inches

Mean annual air temperature: 48 to 57 degrees F

Frost-free period: 136 to 214 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Glenville, somewhat poorly drained, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Glenville, Somewhat Poorly Drained

Setting

Landform: Swales, drainageways

Landform position (two-dimensional): Backslope, footslope

Landform position (three-dimensional): Head slope, base slope, interfluve

Down-slope shape: Concave, linear

Across-slope shape: Linear, concave

Parent material: Schist, gneiss or phyllite colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum weathered from metamorphic rock

Typical profile

Ap - 0 to 11 inches: silt loam

Bt1 - 11 to 20 inches: channery silt loam

Bt2 - 20 to 30 inches: silt loam

Btx - 30 to 40 inches: silt loam

C1 - 40 to 59 inches: loam

C2 - 59 to 80 inches: loam

Properties and qualities

Slope: 8 to 15 percent

Depth to restrictive feature: 29 to 31 inches to fragipan

Drainage class: Somewhat poorly drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low (0.03 to 0.11 in/hr)

Depth to water table: About 10 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C/D

Ecological site: F148XY024PA - Moist, Piedmont - felsic, Upland,
Mixed Oak - Hardwood - Conifer Forest

Hydric soil rating: No

Minor Components

Glenelg

Percent of map unit: 10 percent

Landform: Hillslopes

Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Convex, concave, linear

Hydric soil rating: No

Baile

Percent of map unit: 5 percent

Landform: Drainageways, swales

Landform position (two-dimensional): Footslope, toeslope,
backslope

Landform position (three-dimensional): Head slope, base slope,
interfluv

Down-slope shape: Concave, linear

Across-slope shape: Concave, linear

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 18, Sep 12, 2023

Baltimore County, Maryland

MaC—Manor loam, 8 to 15 percent slopes

Map Unit Setting

National map unit symbol: 2tkpw

Elevation: 50 to 1,080 feet

Mean annual precipitation: 35 to 50 inches

Mean annual air temperature: 48 to 57 degrees F

Frost-free period: 150 to 220 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Manor and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Manor

Setting

Landform: Hills

Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Residuum weathered from mica schist

Typical profile

A1 - 0 to 2 inches: loam

A2 - 2 to 6 inches: sandy loam

Bw1 - 6 to 13 inches: fine sandy loam

Bw2 - 13 to 22 inches: fine sandy loam

C1 - 22 to 30 inches: fine sandy loam

C2 - 30 to 44 inches: channery coarse sand

C3 - 44 to 53 inches: loamy sand

C4 - 53 to 83 inches: channery loamy sand

Cr - 83 to 108 inches: bedrock

R - 108 to 138 inches: bedrock

Properties and qualities

Slope: 8 to 15 percent

Surface area covered with cobbles, stones or boulders: 0.0 percent

Depth to restrictive feature: 59 to 100 inches to paralithic bedrock;
100 to 128 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately low (0.01 to 0.07 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: F148XY024PA - Moist, Piedmont - felsic, Upland, Mixed Oak - Hardwood - Conifer Forest

Hydric soil rating: No

Minor Components

Blocktown

Percent of map unit: 5 percent

Landform: Hillslopes

Landform position (two-dimensional): Shoulder, backslope

Landform position (three-dimensional): Side slope, nose slope, interfluv

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Hydric soil rating: No

Mt. airy

Percent of map unit: 5 percent

Landform: Hillslopes

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Nose slope

Down-slope shape: Convex

Across-slope shape: Convex

Hydric soil rating: No

Glenville

Percent of map unit: 5 percent

Landform: Drainageways, swales

Landform position (two-dimensional): Footslope, toeslope

Landform position (three-dimensional): Head slope, base slope

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: No

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 18, Sep 12, 2023

Baltimore County, Maryland

MdE—Manor-Brinklow complex, 25 to 45 percent slopes, very rocky

Map Unit Setting

National map unit symbol: 2lpfp
Elevation: 250 to 4,000 feet
Mean annual precipitation: 8 to 46 inches
Mean annual air temperature: 45 to 57 degrees F
Frost-free period: 110 to 200 days
Farmland classification: Not prime farmland

Map Unit Composition

Manor and similar soils: 55 percent
Brinklow and similar soils: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Manor

Setting

Landform: Ridges, hillslopes
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loamy residuum derived from phyllite and/or loamy residuum derived from schist

Typical profile

A1, A2 - 0 to 6 inches: loam
Bw1, Bw2 - 6 to 22 inches: sandy loam
C1,C2,C3,C4 - 22 to 72 inches: channery loamy sand

Properties and qualities

Slope: 25 to 45 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B
Ecological site: F148XY024PA - Moist, Piedmont - felsic, Upland,
Mixed Oak - Hardwood - Conifer Forest
Hydric soil rating: No

Description of Brinklow

Setting

Landform: Hillslopes, hillslopes
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Free face, side slope
Parent material: Gravelly residuum weathered from schist and/or
gravelly residuum weathered from phyllite

Typical profile

Ap - 0 to 10 inches: channery loam
Bt,BC - 10 to 25 inches: channery loam
Cr - 25 to 35 inches: weathered bedrock
R - 35 to 80 inches: bedrock

Properties and qualities

Slope: 25 to 45 percent
Depth to restrictive feature: 20 to 33 inches to paralithic bedrock; 33
to 80 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low
(0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: C
Ecological site: F148XY021PA - Dry, Piedmont - felsic, Upland,
Mixed Oak Heath / Oak-Pine Woodland
Hydric soil rating: No

Minor Components

Blocktown

Percent of map unit: 10 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Interfluve, nose slope, side
slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Rock outcrop

Percent of map unit: 5 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Baltimore County, Maryland

Survey Area Data: Version 18, Sep 12, 2023