

P.O.B.
15341/491
PARCEL 3
RR SPIKE

JERICO ROAD

POST COR
LOT 15

RUNNING WITH THE MIDDLE OF FALLS ABOUT 540'

MIDDLE OF FALLS

SYCAMORE TREE NEAR
WEST BANK OF FALLS

CL NORTH
END CULVERT

PIPE AT TOP BANK

10' CL 14' WIDE OUTLET

PIPE

PIPE

66'

N 69°40' E

N 69°40' E
145'

N 69°40' E
121.70'

S 22°53' E
271.84'

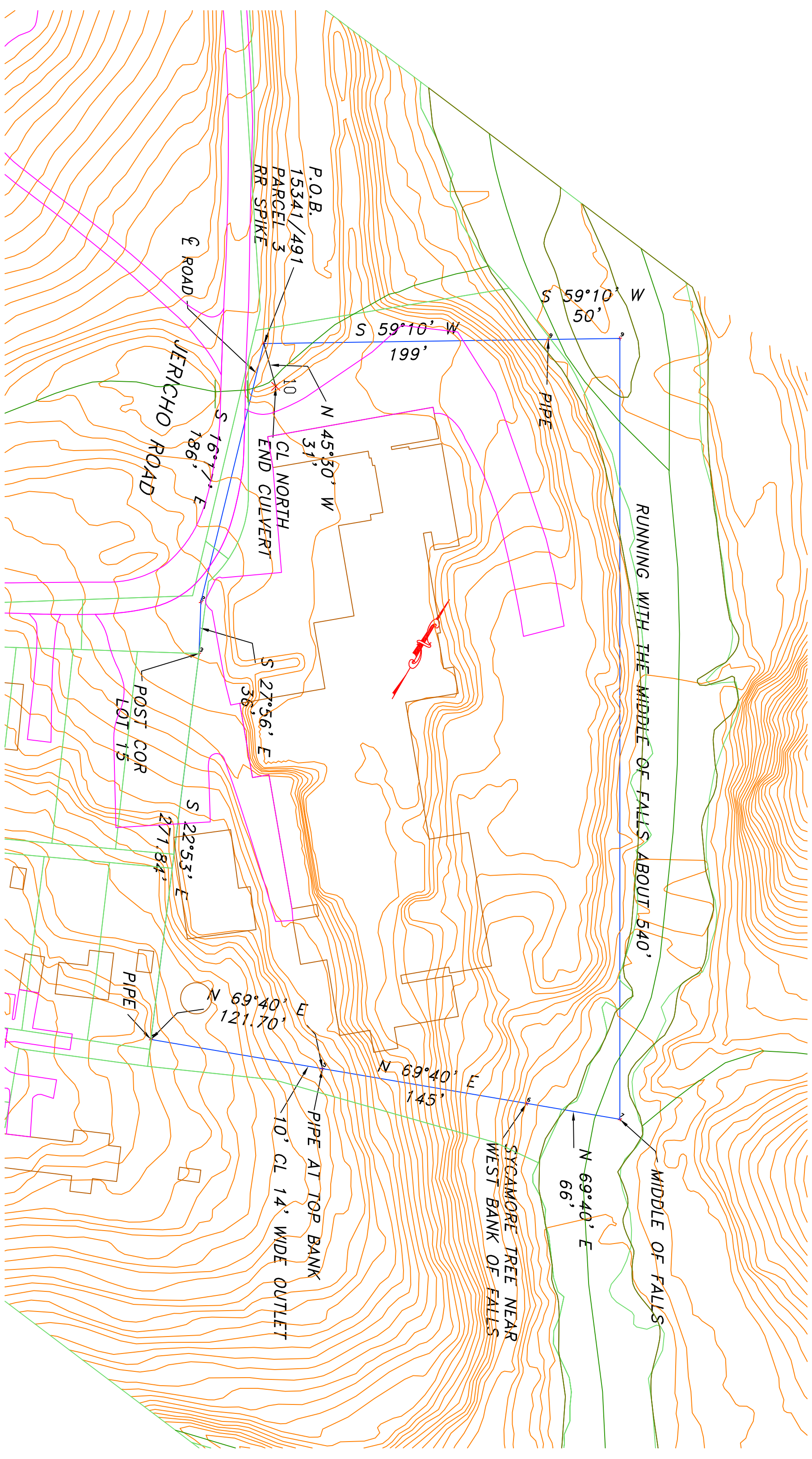
S 27°56' E
36'

S 16°17' E
186'

N 45°30' W
31'

S 59°10' W
199'

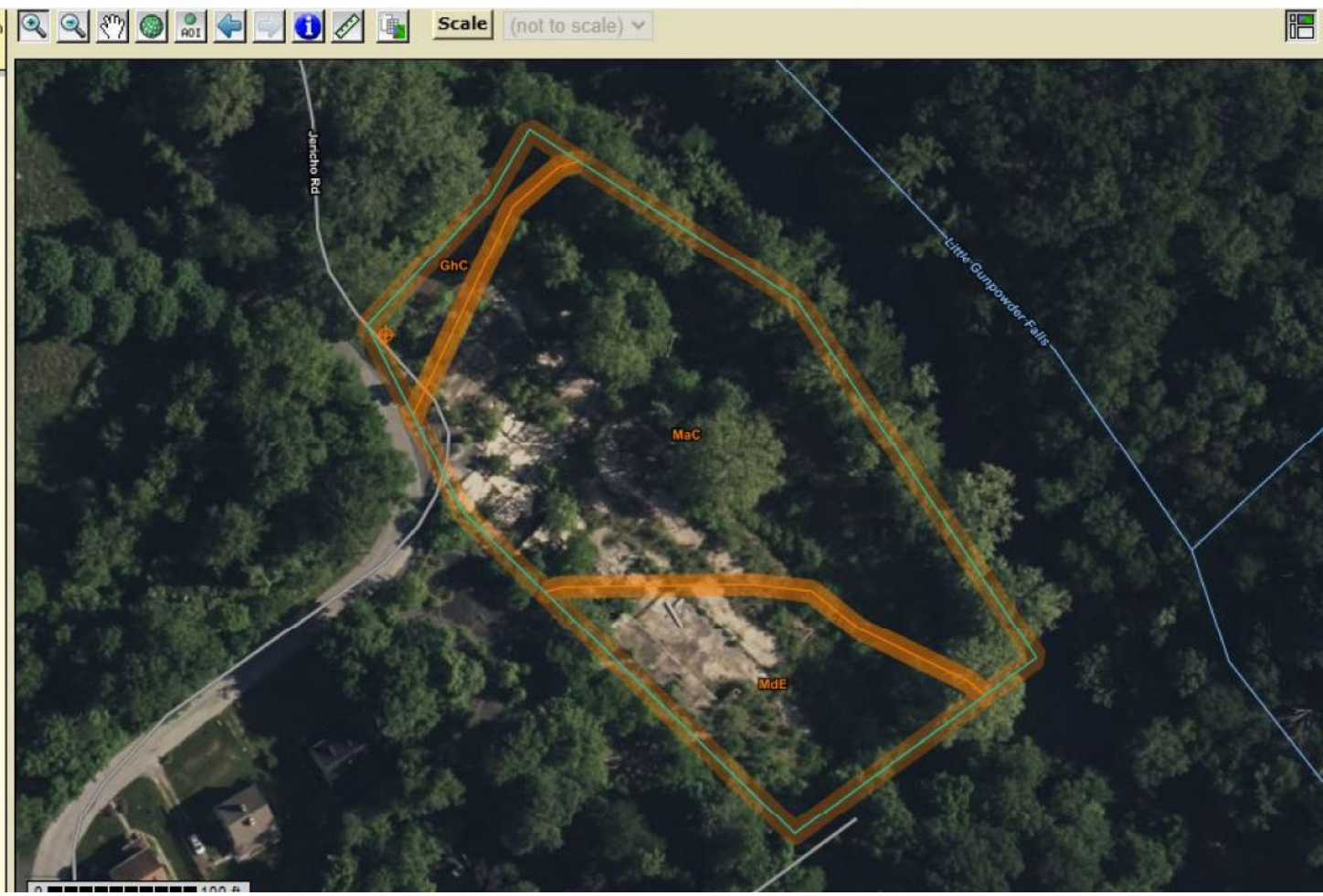
S 59°10' W
50'



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