

[illegible]

MAP LEGEND

Area of Interest (AOI)

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Background

 Aerial Photography

Soils

Soil Rating Polygons

 Very limited
 Somewhat limited
 Not limited
 Not rated or not available

Soil Rating Lines

 Very limited
 Somewhat limited
 Not limited
 Not rated or not available

Soil Rating Points

 Very limited
 Somewhat limited
 Not limited
 Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bedford County, Virginia
 Survey Area Data: Version 16, Jun 3, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2011—Mar 26, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Dwellings With Basements

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
2vy6s	Clifford fine sandy loam, 7 to 15 percent slopes	Somewhat limited	Clifford (95%)	Slope (0.37)	134.3	11.6%
2xx5x	Clifford fine sandy loam, 2 to 7 percent slopes	Not limited	Clifford (80%)		325.1	28.0%
2xx5y	Codorus loam, 0 to 2 percent slopes, occasionally flooded	Very limited	Codorus, occasionally flooded (75%)	Flooding (1.00)	22.6	1.9%
				Depth to saturated zone (1.00)		
			Hatboro, frequently flooded (5%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
2xx5z	Minnieville loam, 2 to 7 percent slopes	Somewhat limited	Minnieville (75%)	Shrink-swell (0.50)	102.8	8.9%
2xx60	Minnieville loam, 7 to 15 percent slopes	Somewhat limited	Minnieville (75%)	Shrink-swell (0.50)	209.7	18.1%
				Slope (0.37)		
2xx61	Minnieville loam, 15 to 25 percent slopes	Very limited	Minnieville (75%)	Slope (1.00)	12.1	1.0%
				Shrink-swell (0.50)		
2xx63	Huddleston fine sandy loam, 15 to 25 percent slopes	Very limited	Huddleston (80%)	Slope (1.00)	8.6	0.7%
2xx68	Jackland fine sandy loam, 2 to 7 percent slopes	Very limited	Jackland (80%)	Depth to saturated zone (1.00)	11.4	1.0%
				Shrink-swell (1.00)		
2xx6b	Poplar Forest sandy clay loam, 15 to 25 percent slopes, severely eroded	Very limited	Poplar Forest, severely eroded (75%)	Slope (1.00)	72.3	6.2%
2xx6j	Oak Level loam, 2 to 7 percent slopes	Not limited	Oak Level (75%)		12.0	1.0%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
2xx6k	Oak Level loam, 7 to 15 percent slopes	Somewhat limited	Oak Level (75%)	Slope (0.37)	72.7	6.3%
2xx6l	Oak Level loam, 15 to 25 percent slopes	Very limited	Oak Level (80%)	Slope (1.00)	21.9	1.9%
2xx6q	Spriggs fine sandy loam, 7 to 15 percent slopes	Somewhat limited	Spriggs (75%)	Depth to hard bedrock (0.99)	26.0	2.2%
				Depth to soft bedrock (0.97)		
				Slope (0.37)		
2xx6r	Spriggs fine sandy loam, 15 to 25 percent slopes	Very limited	Spriggs (85%)	Slope (1.00)	51.7	4.5%
				Depth to hard bedrock (0.99)		
				Depth to soft bedrock (0.97)		
2xx71	Wintergreen fine sandy loam, 2 to 7 percent slopes	Somewhat limited	Wintergreen (80%)	Shrink-swell (0.42)	26.8	2.3%
2xx74	Casville fine sandy loam, 2 to 7 percent slopes	Somewhat limited	Casville (80%)	Shrink-swell (0.38)	39.7	3.4%
2xx75	Casville fine sandy loam, 7 to 15 percent slopes	Somewhat limited	Casville (75%)	Shrink-swell (0.38)	9.6	0.8%
				Slope (0.37)		
2xx76	Devotion fine sandy loam, 15 to 25 percent slopes	Very limited	Devotion (75%)	Slope (1.00)	0.4	0.0%
				Depth to soft bedrock (0.00)		
Totals for Area of Interest					1,159.9	100.0%

Rating	Acres in AOI	Percent of AOI
Somewhat limited	621.5	53.6%
Not limited	337.1	29.1%
Very limited	201.2	17.3%
Totals for Area of Interest	1,159.9	100.0%

Description

Dwellings are single-family houses of three stories or less. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher