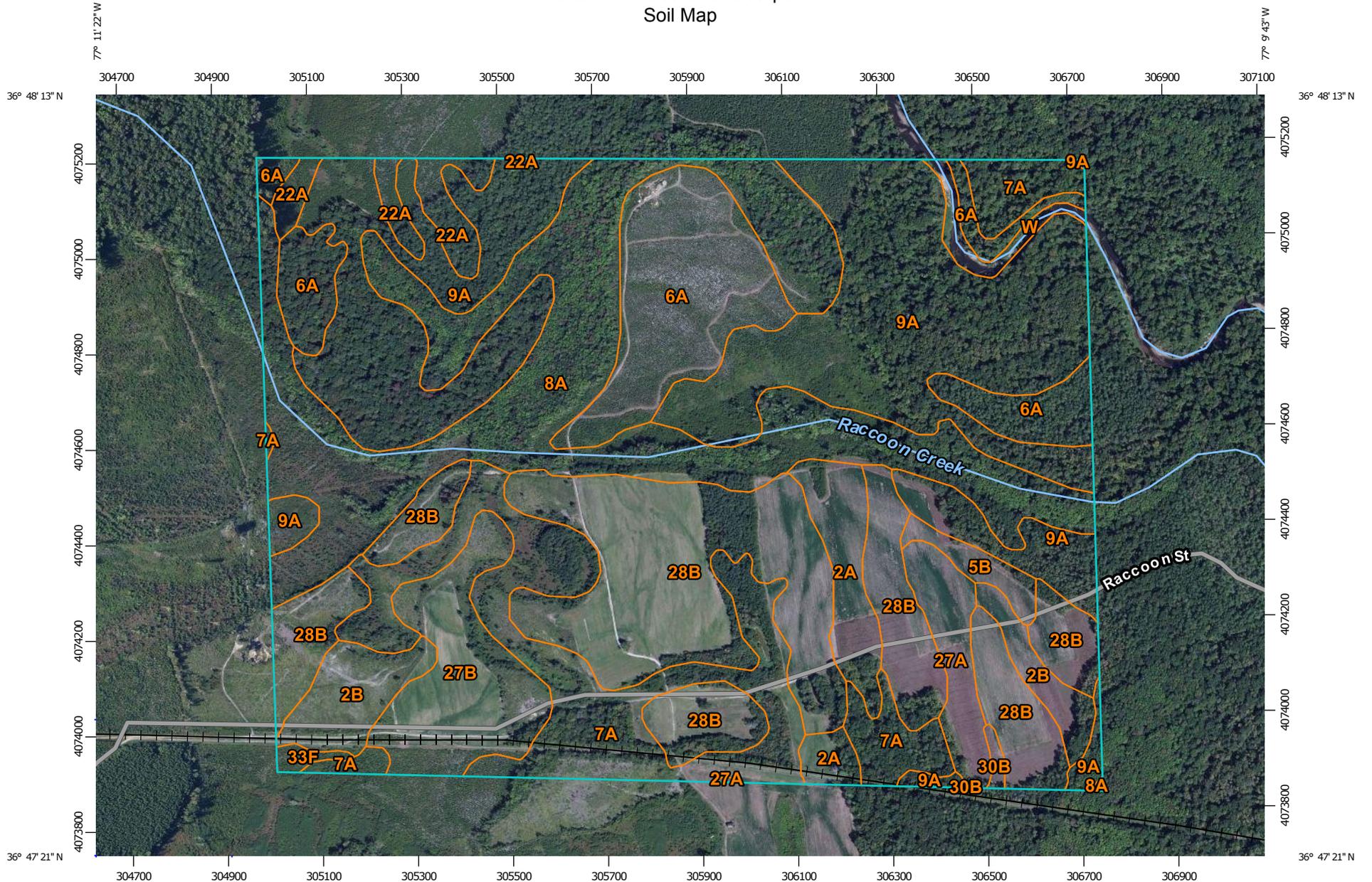
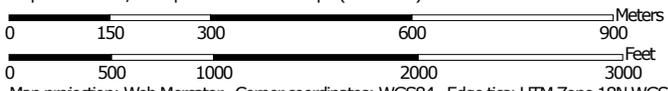


Custom Soil Resource Report Soil Map



Map Scale: 1:11,200 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

Map Unit Legend

Southampton County, Virginia (VA175)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
	 0 to 2 percent slopes, rarely flooded	15.3	2.7%
	 2 to 6 percent slopes, rarely flooded	17.2	3.1%
5B	Bojac loamy sand, 2 to 6 percent slopes, very rarely flooded	4.5	0.8%
6A	Buncombe loamy sand, 0 to 2 percent slopes, occasionally flooded	54.7	9.7%
7A	Chastain loam, 0 to 2 percent slopes, frequently flooded	65.4	11.6%
8A	Chastain loam, 0 to 2 percent slopes, ponded	108.0	19.2%
9A	Chewacla loam, 0 to 2 percent slopes, frequently flooded	137.3	24.4%
22A	Riverview sandy loam, 0 to 2 percent slopes, frequently flooded	9.8	1.7%
27A	State fine sandy loam, 0 to 2 percent slopes, very rarely flooded	11.1	2.0%
	 2 to 6 percent slopes, very rarely flooded	27.1	4.8%
	 0 to 6 percent slopes	106.1	18.9%
30B	Uchee loamy sand, 0 to 6 percent slopes	0.9	0.2%
33F	Winton fine sandy loam, 15 to 65 percent slopes	1.3	0.2%
W	Water	4.0	0.7%
Totals for Area of Interest		562.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape,

Southampton County, Virginia

Map Unit Setting

Mean annual precipitation: 42 to 54 inches

Frost-free period: 180 to 208 days

Map Unit Composition

Altavista and similar soils: 85 percent

Minor components: 1 percent

Description of Altavista

Setting

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loamy alluvium

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Moderately well drained

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: About 18 to 30 inches

Frequency of flooding: Rare

Frequency of ponding: None

Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Farmland classification: All areas are prime farmland

Land capability (nonirrigated): 2w

Hydrologic Soil Group: B

Typical profile

0 to 11 inches: Fine sandy loam

11 to 38 inches: Loam

38 to 72 inches: Sandy clay loam

Minor Components

Tomotley

Percent of map unit: 1 percent

Landform: Depressions on stream terraces, drainageways on stream terraces

Landform position (three-dimensional): Base slope, tread

Down-slope shape: Linear

Across-slope shape: Linear



Map Unit Setting

Mean annual precipitation: 42 to 54 inches
Frost-free period: 180 to 208 days

Map Unit Composition

Altavista and similar soils: 85 percent
Minor components: 1 percent

Description of Altavista

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loamy alluvium

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
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: About 18 to 30 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Farmland classification: All areas are prime farmland
Land capability (nonirrigated): 2e
Hydrologic Soil Group: B

Typical profile

0 to 11 inches: Fine sandy loam
11 to 38 inches: Loam
38 to 72 inches: Sandy clay loam

Minor Components

Tomotley

Percent of map unit: 1 percent
Landform: Depressions on stream terraces, drainageways on stream terraces
Landform position (three-dimensional): Base slope, tread
Down-slope shape: Linear
Across-slope shape: Linear

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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: About 48 to 79 inches
Frequency of flooding: Very rare
Frequency of ponding: None
Available water capacity: High (about 9.3 inches)

Interpretive groups

Farmland classification: All areas are prime farmland
Land capability (nonirrigated): 1
Hydrologic Soil Group: B

Typical profile

0 to 10 inches: Fine sandy loam
10 to 56 inches: Sandy clay loam
56 to 84 inches: Sandy loam

Map Unit Setting

Mean annual precipitation: 42 to 54 inches
Frost-free period: 180 to 208 days

Map Unit Composition

State and similar soils: 85 percent

Description of State

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread, riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy and/or loamy alluvium

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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: About 48 to 79 inches
Frequency of flooding: Very rare
Frequency of ponding: None
Available water capacity: High (about 9.3 inches)

Interpretive groups

Farmland classification: All areas are prime farmland

Custom Soil Resource Report

Land capability (nonirrigated): 2e
Hydrologic Soil Group: B

Typical profile

0 to 10 inches: Fine sandy loam
10 to 56 inches: Sandy clay loam
56 to 84 inches: Sandy loam

Map Unit Setting

Mean annual precipitation: 42 to 54 inches
Frost-free period: 180 to 208 days

Map Unit Composition

Tarboro and similar soils: 95 percent
Minor components: 2 percent

Description of Tarboro

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread, riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy alluvium

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.6 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 4s
Hydrologic Soil Group: A

Typical profile

0 to 8 inches: Loamy sand
8 to 84 inches: Sand

Minor Components

Nimmo

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Riser

Custom Soil Resource Report

Down-slope shape: Linear
Across-slope shape: Linear

30B—Uchee loamy sand, 0 to 6 percent slopes

Map Unit Setting

Mean annual precipitation: 42 to 54 inches
Frost-free period: 180 to 208 days

Map Unit Composition

Uchee and similar soils: 80 percent

Description of Uchee

Setting

Landform: Marine terraces
Landform position (three-dimensional): Tread, riser
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy marine deposits and/or sandy marine deposits and/or alluvium

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: About 42 to 60 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.5 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 3s
Hydrologic Soil Group: A

Typical profile

0 to 24 inches: Loamy sand
24 to 45 inches: Sandy loam
45 to 50 inches: Sandy clay loam
50 to 65 inches: Sandy clay loam