

MAP KEY

Highlighted Roads
Show Haul Route (Road Map)

Property Line

100 ft Buffer



Water (Surface)

100 ft without Veg Buffer
35 ft with Veg Buffer



Field Boundary

rk

Rock Outcrop

50 ft Buffer



Slope

15% Max



Sink Hole

100 ft Buffer



Intermittant Stream

Refer tp Water and
PWS setbacks

H/W

House/Well

200 ft Buffer

PAS

Publicly Accessible Site

200 ft from Property Line
400 ft from PAS

PWS

Public Water Supply

400 ft from Reservoir
100 ft stream/tributary

All Improved Roadways

10 Ft Buffer

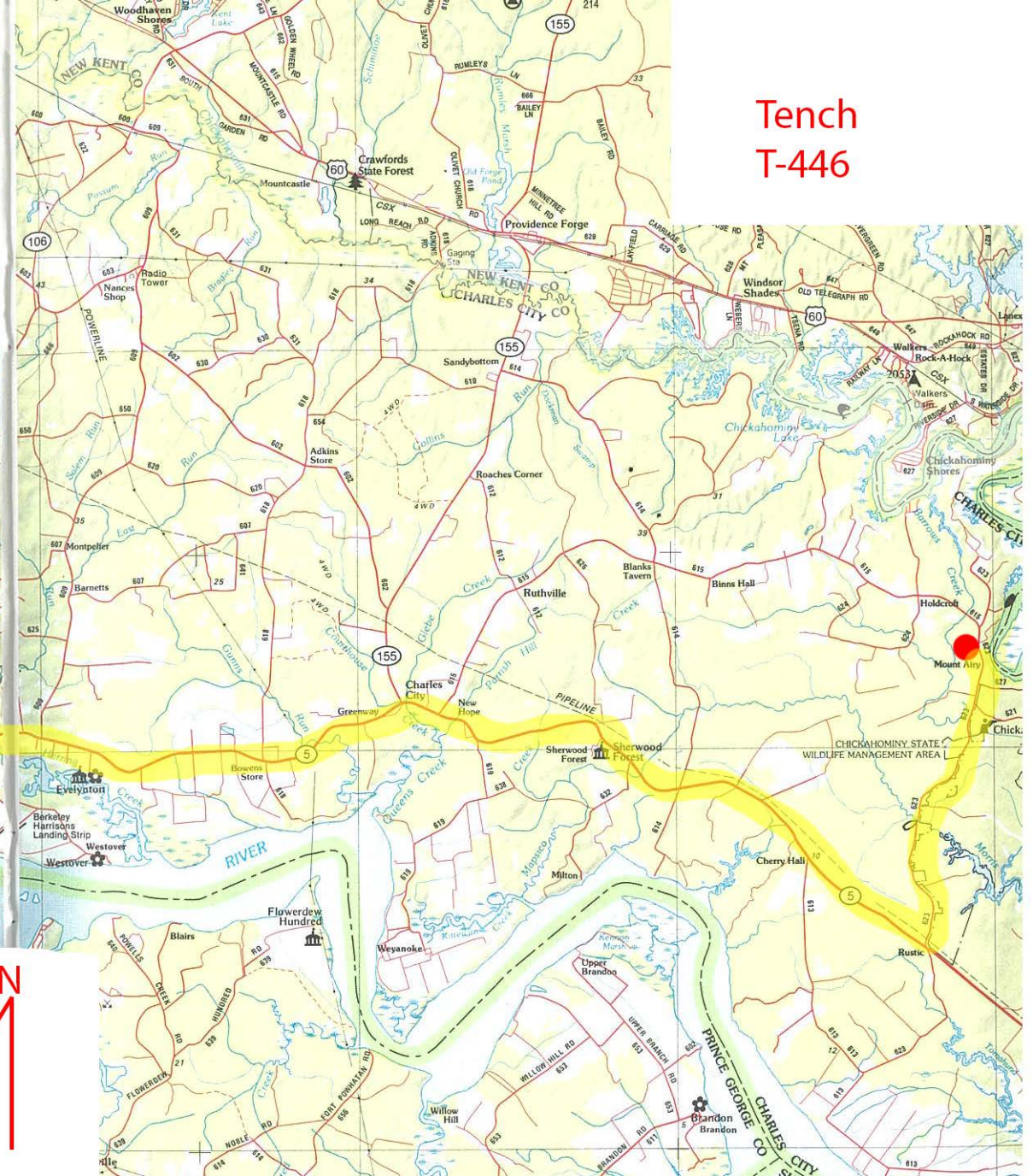
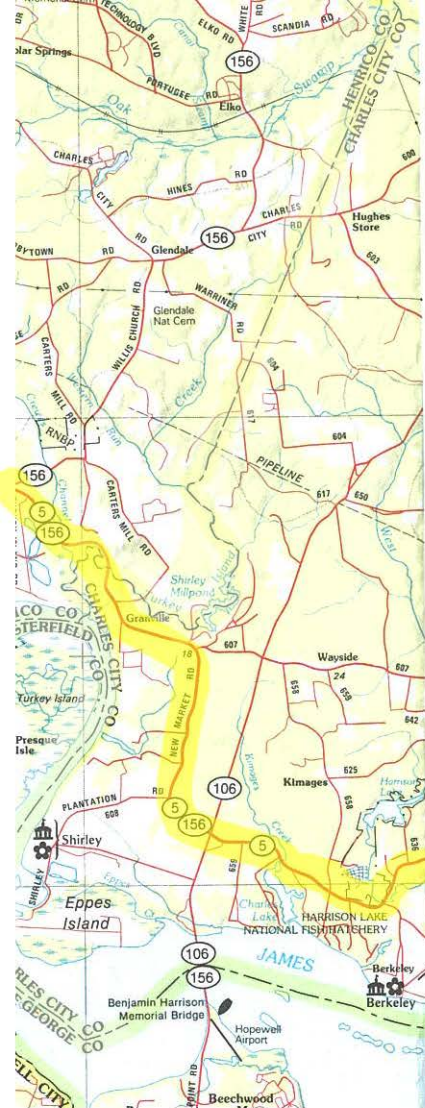


Water Supply Well or Spring

100 Ft Buffer

CEM

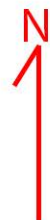
Cemetery



Tench
T-446

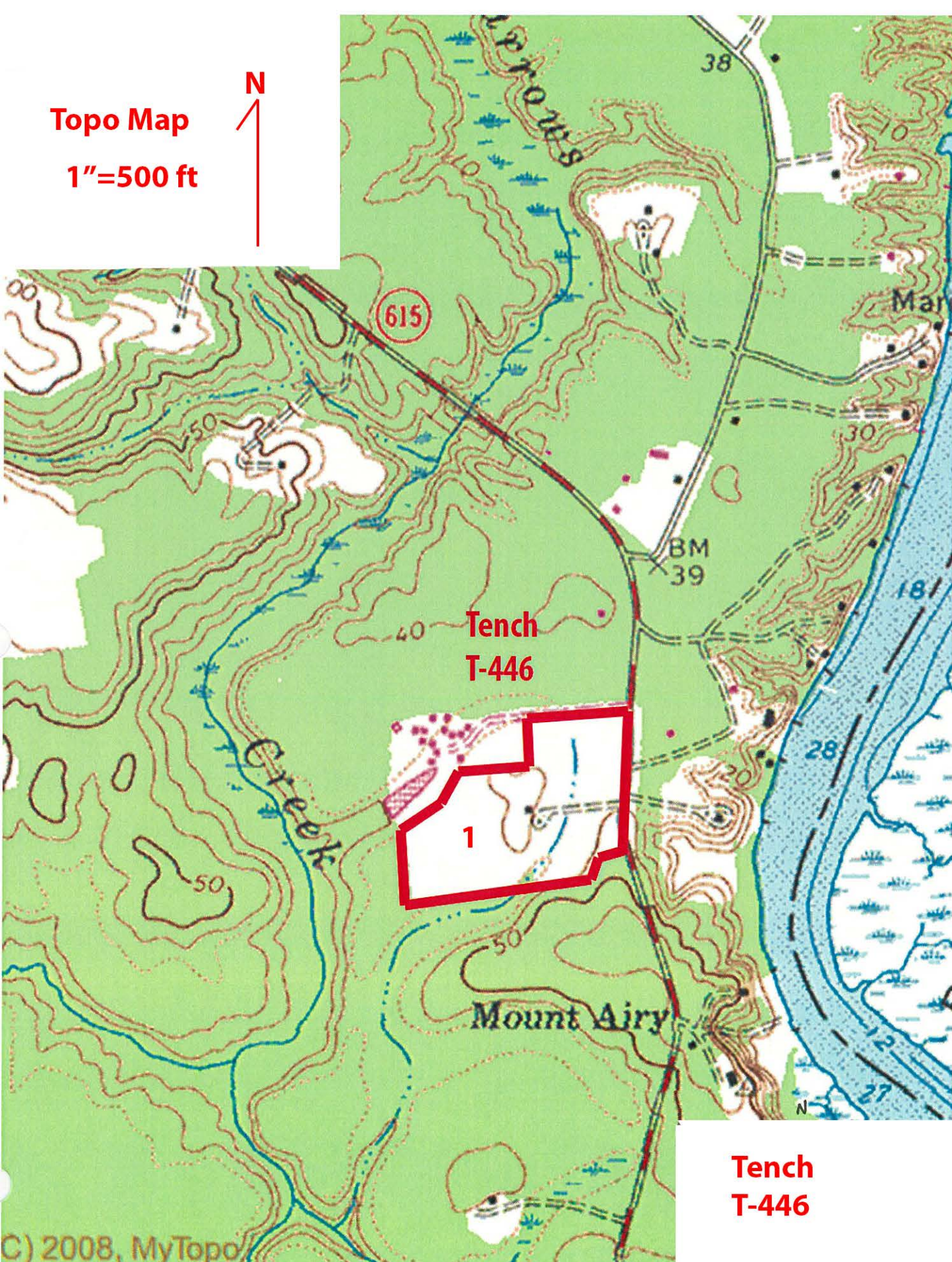
Road Map
Haul Route

1"=1 mile
7/18/23



Topo Map

1"=500 ft




**Tench
T-446**

Soil Map—Charles City County, Virginia






MAP LEGEND




















Area of Interest (AOI)







-  Area of Interest (AOI)

Soils

-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Charles City County, Virginia

Survey Area Data: Version 16, Sep 17, 2021

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

Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	0.0	0.1%
17C	Craven-Uchee complex, 6 to 10 percent slopes	1.3	4.4%
18B	Dogue silt loam, 2 to 6 percent slopes	12.6	43.5%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	0.9	3.2%
36A	Newflat silt loam, 0 to 2 percent slopes	14.1	48.8%
Totals for Area of Interest		29.0	100.0%

Depth to Water Table—Charles City County, Virginia




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/22/2022
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

Soil Rating Polygons


 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Lines

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Points

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

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 US Routes
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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	23	0.0	0.1%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	1.3	4.4%
18B	Dogue silt loam, 2 to 6 percent slopes	61	12.6	43.5%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	0.9	3.2%
36A	Newflat silt loam, 0 to 2 percent slopes	31	14.1	48.8%
Totals for Area of Interest			29.0	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

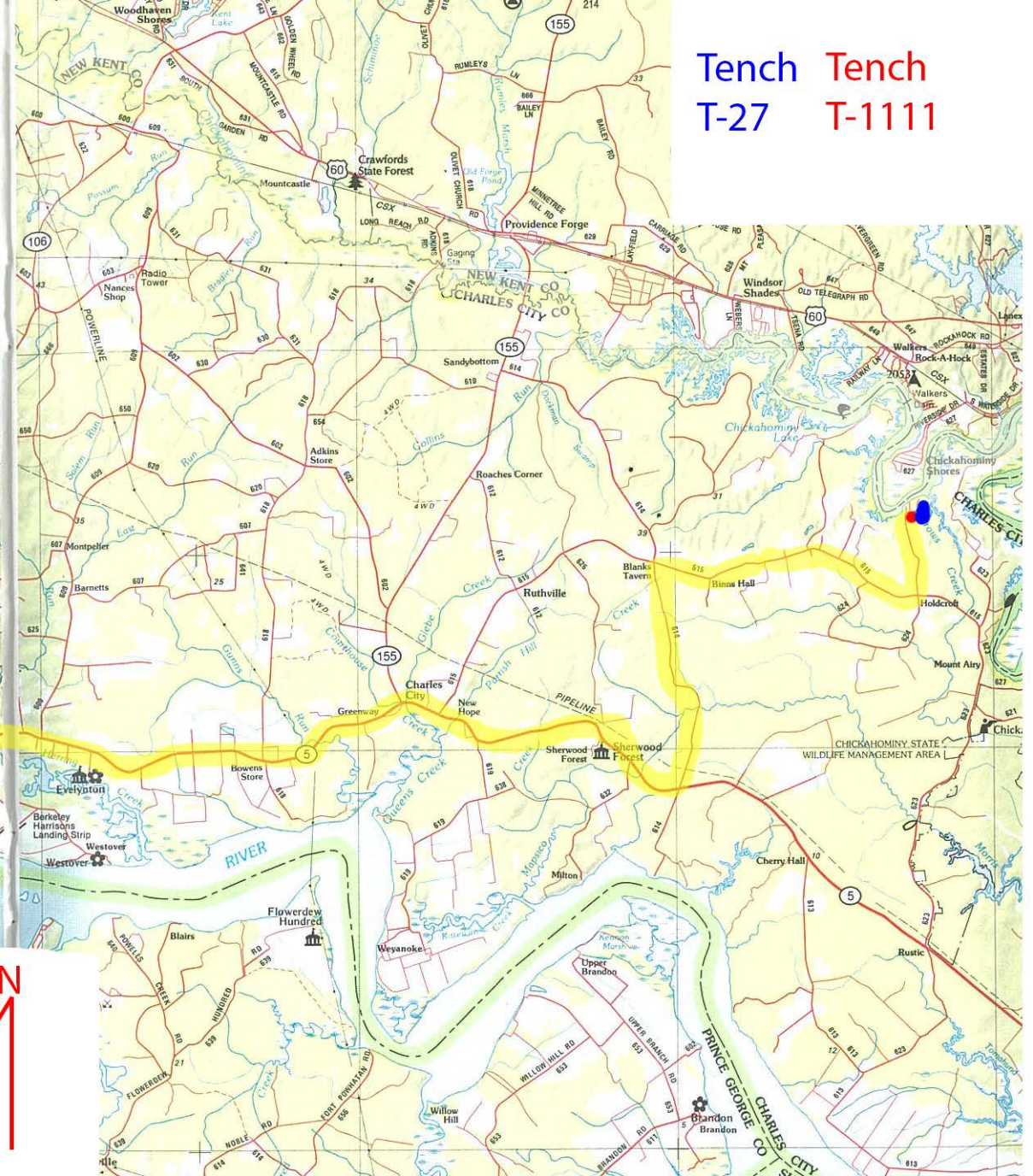
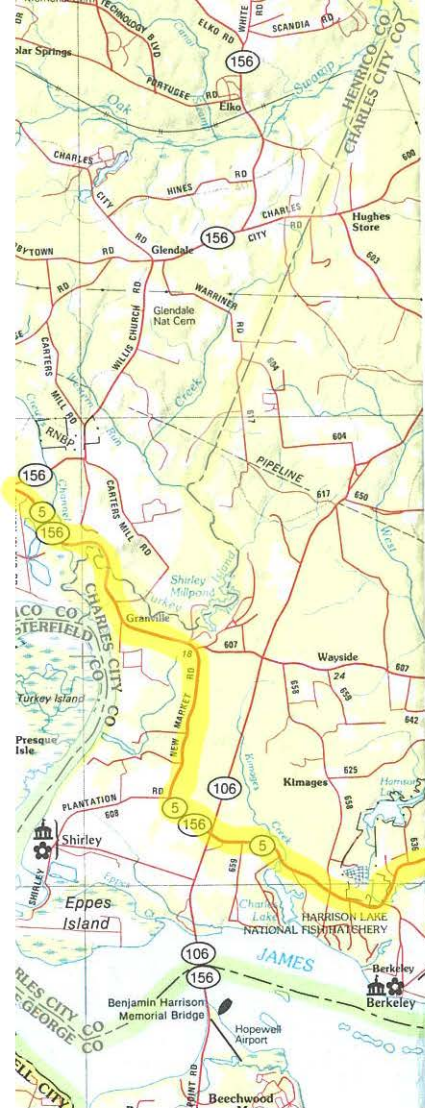
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December



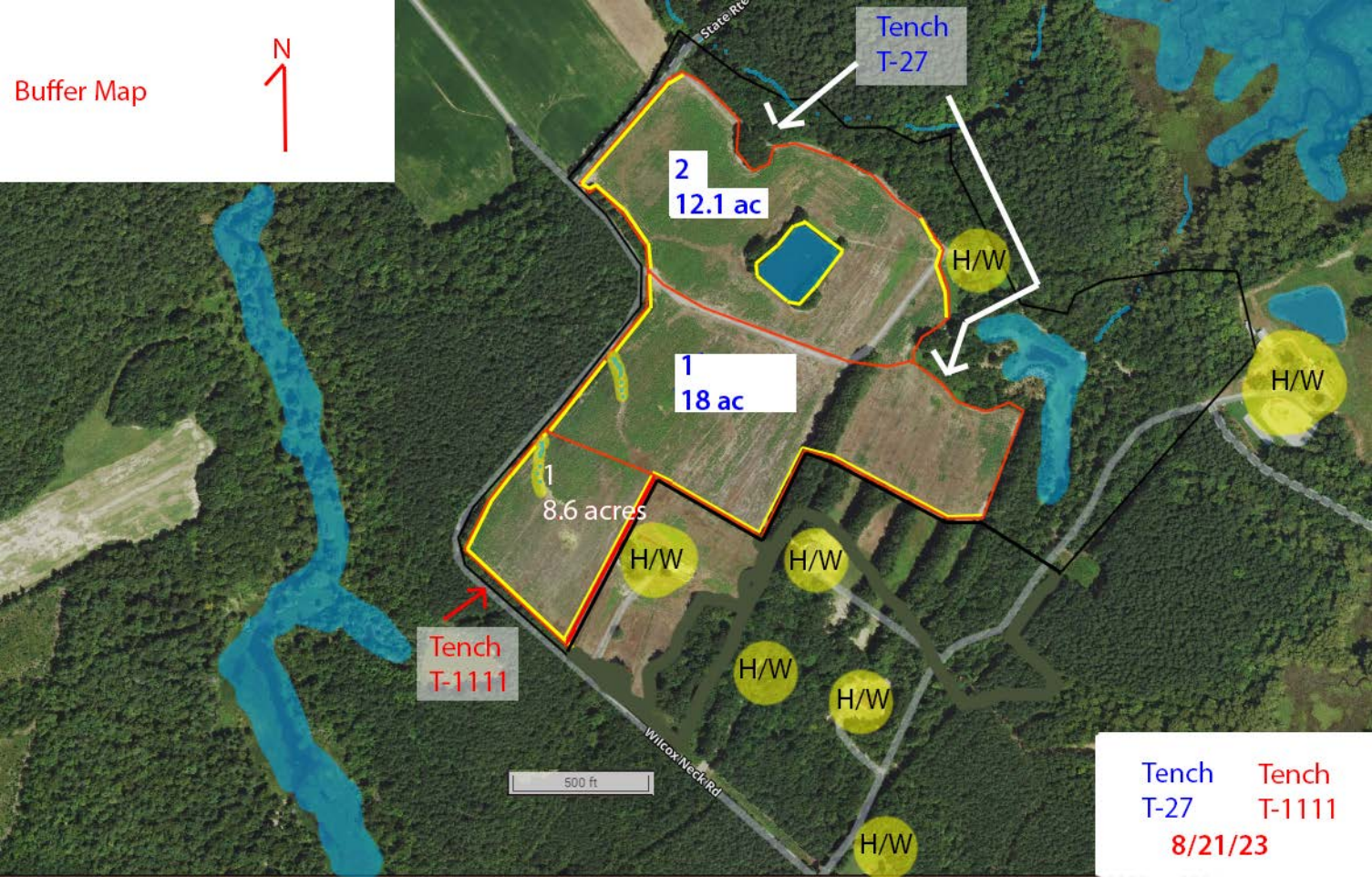
Tench T-27
Tench T-1111

Road Map
Haul Route



1"=1 mile
7/14/23

Buffer Map



Tench
T-1111

Tench
T-27

2
12.1 ac

1
18 ac

3
8.6 acres

H/W

H/W

H/W

H/W

H/W

H/W

H/W

Tench
T-27 Tench
T-1111

8/21/23

Topo Map

Tench

T-27

T-1111



1"=500 ft

7/14/23



Soil Map—Charles City County, Virginia



Map Scale: 1:4,990 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 200 400 800 1200 Feet

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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey




4/18/2022
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MAP LEGEND




















Area of Interest (AOI)







-  Area of Interest (AOI)

Soils


-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

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

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Survey Area Data: Version 16, Sep 17, 2021

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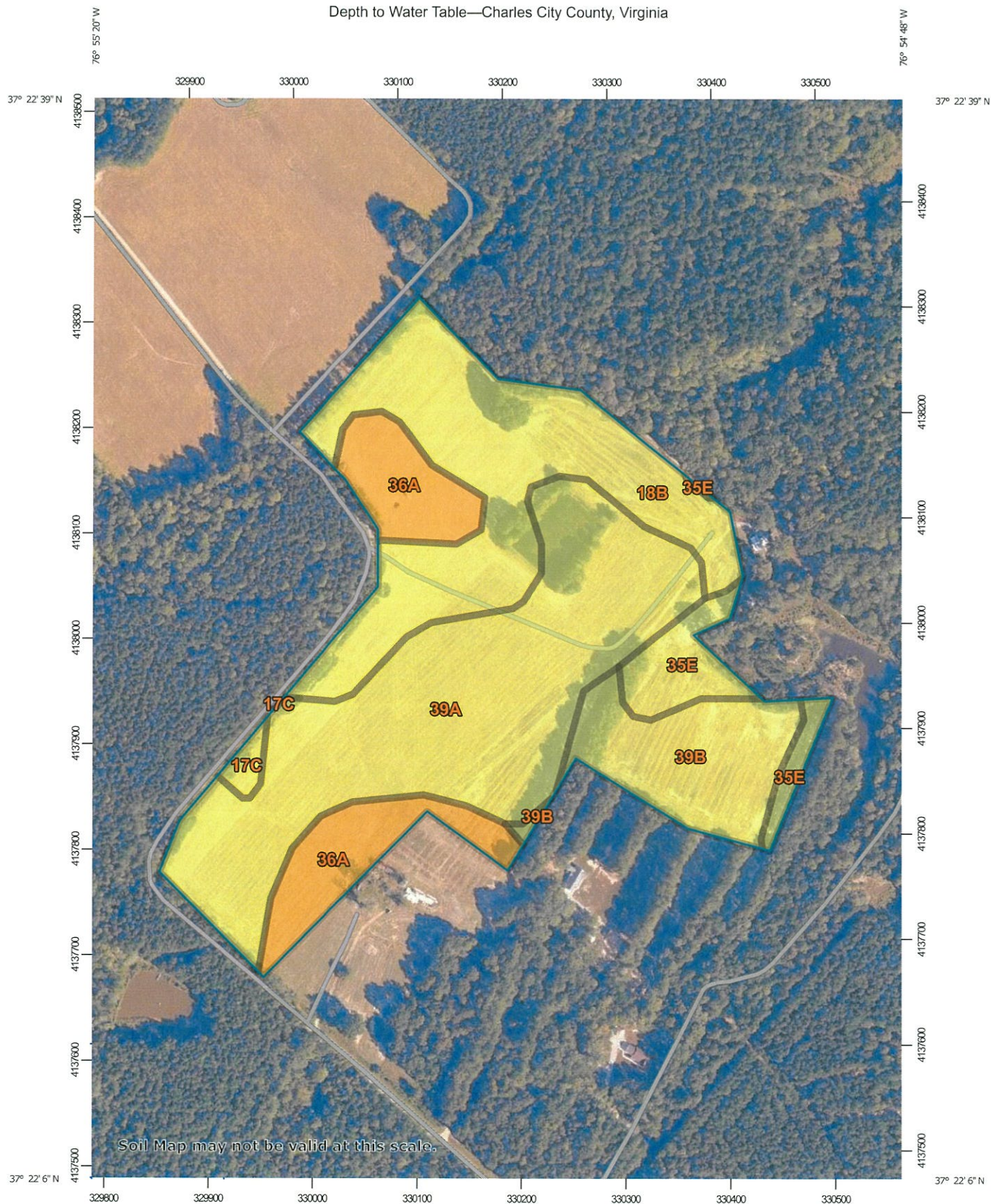
Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17C	Craven-Uchee complex, 6 to 10 percent slopes	0.4	0.9%
18B	Dogue silt loam, 2 to 6 percent slopes	13.6	28.5%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	2.7	5.7%
36A	Newflat silt loam, 0 to 2 percent slopes	6.1	12.8%
39A	Peawick silt loam, 0 to 2 percent slopes	19.3	40.5%
39B	Peawick silt loam, 2 to 6 percent slopes	5.5	11.5%
Totals for Area of Interest		47.7	100.0%

Depth to Water Table—Charles City County, Virginia



Soil Map may not be valid at this scale.

Map Scale: 1:4,990 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 200 400 800 1200 Feet

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




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Conservation Service

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National Cooperative Soil Survey

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
MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils







Soil Rating Polygons

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Lines

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Points

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

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Survey Area Data: Version 16, Sep 17, 2021

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Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	0.4	0.9%
18B	Dogue silt loam, 2 to 6 percent slopes	61	13.6	28.5%
35E	Nevaro-Remlik complex, 15 to 25 percent slopes	61	2.7	5.7%
36A	Newlat silt loam, 0 to 2 percent slopes	31	6.1	12.8%
39A	Peawick silt loam, 0 to 2 percent slopes	61	19.3	40.5%
39B	Peawick silt loam, 2 to 6 percent slopes	61	5.5	11.5%
Totals for Area of Interest			47.7	100.0%

Description

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Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

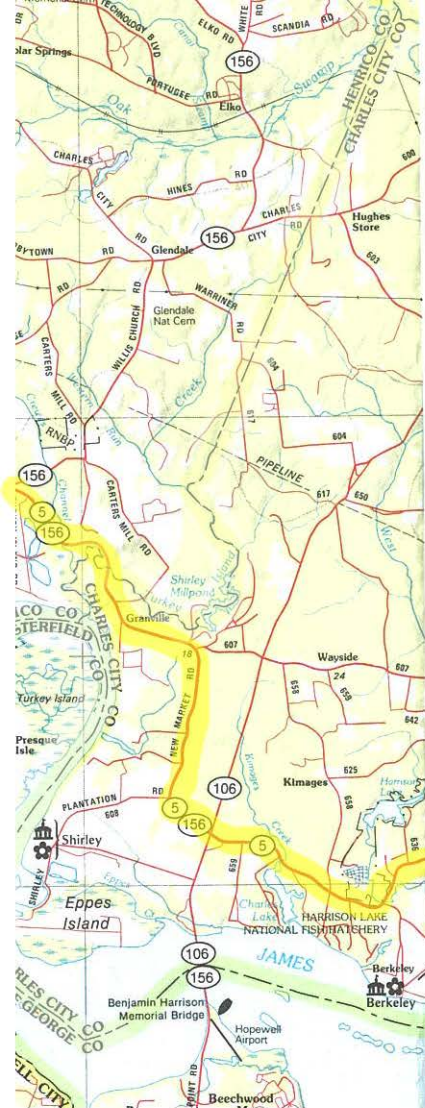
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

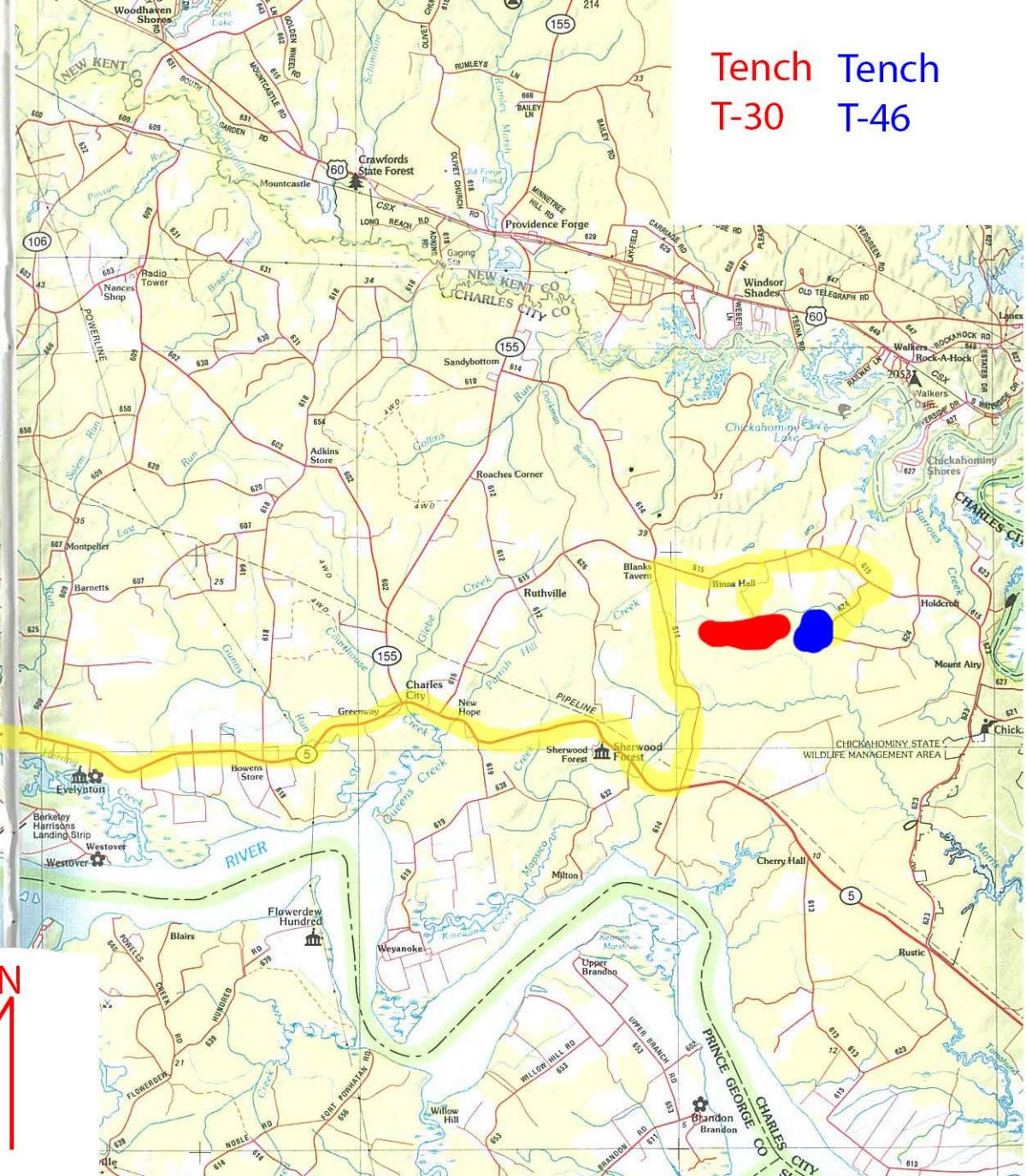


Road Map

Haul Route

1"=1 mile

7/14/23

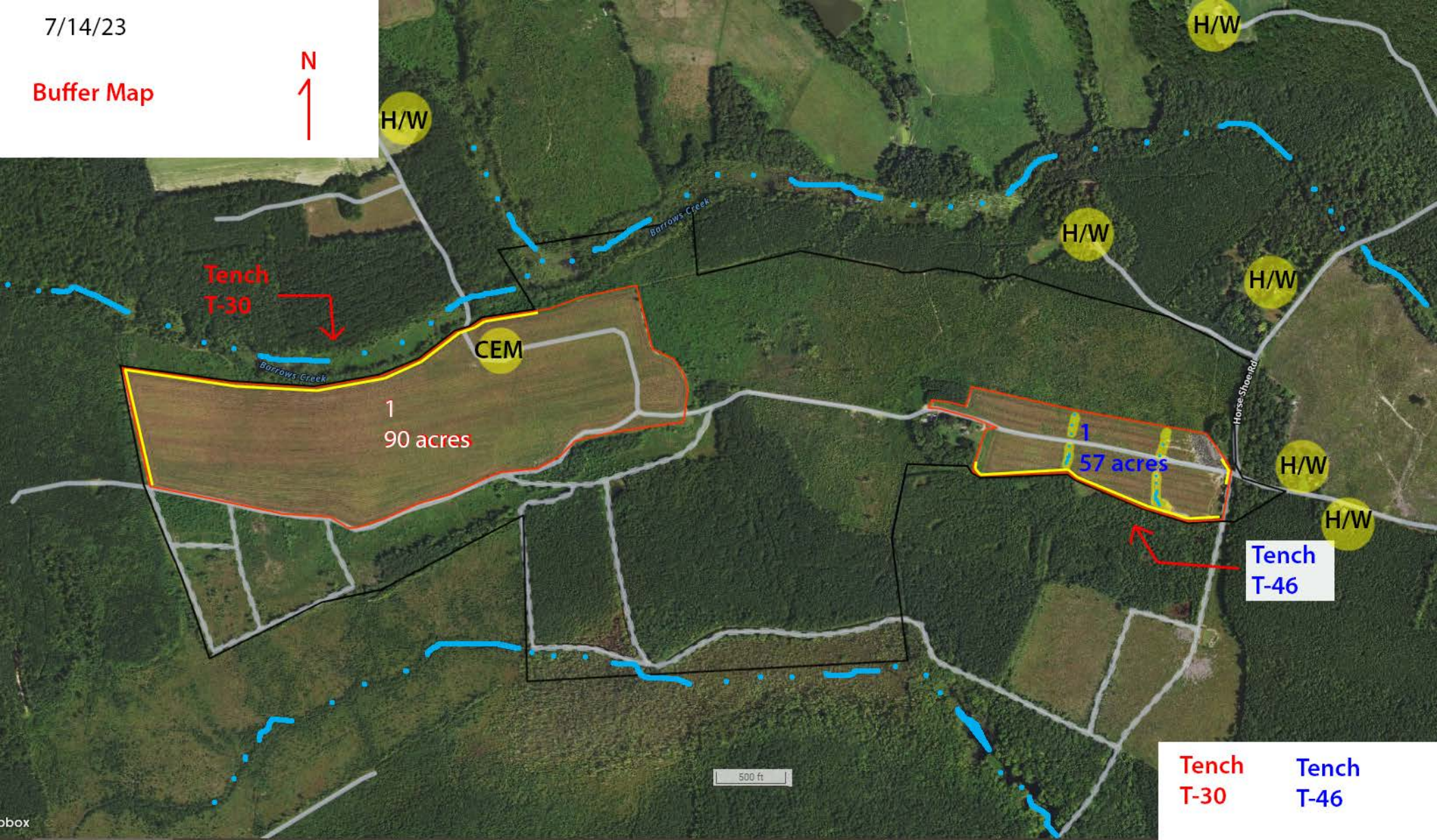


Tench Tench
T-30 T-46

7/14/23

Buffer Map

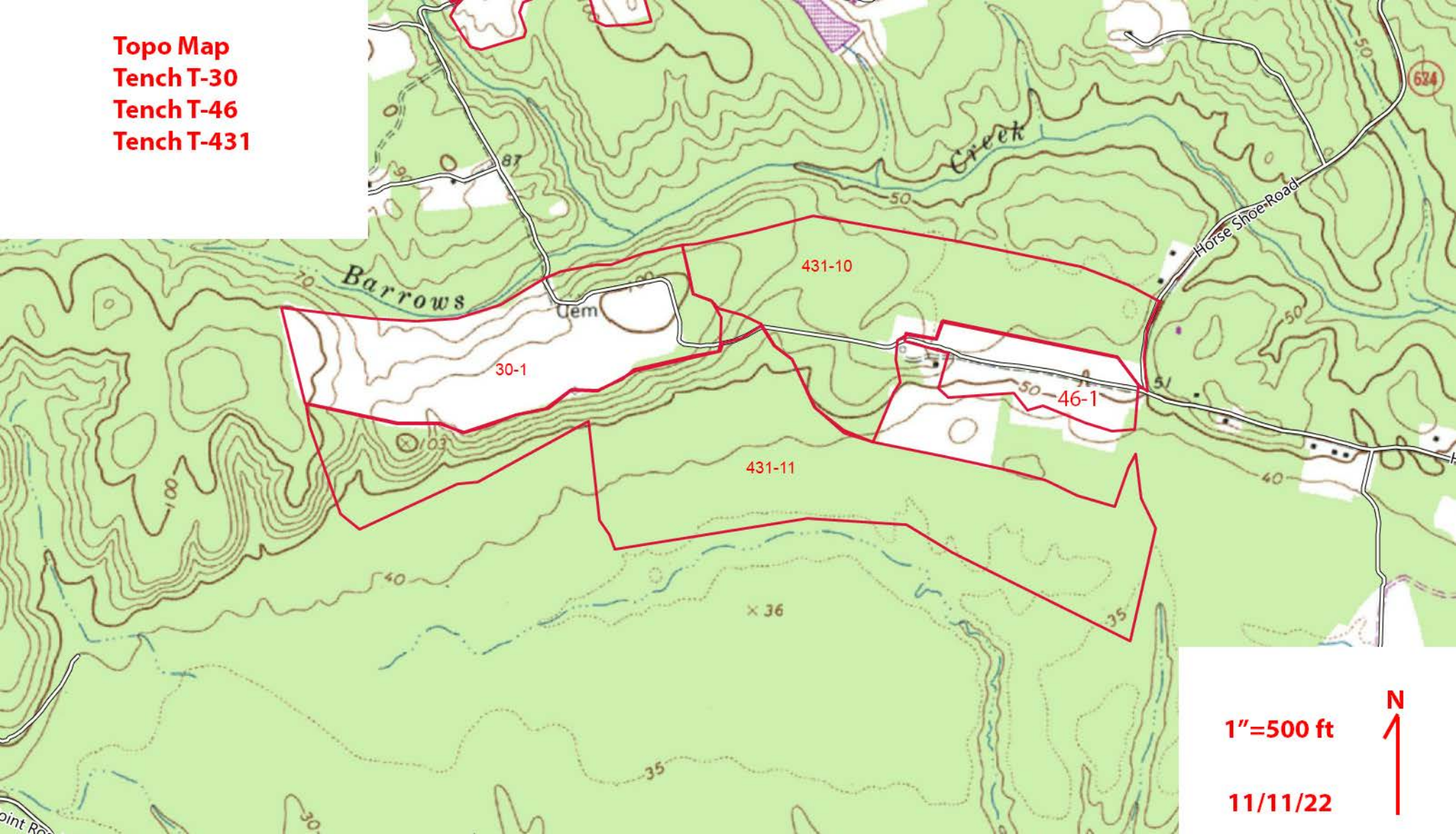
N
↑



Trench
T-30

Trench
T-46

Topo Map
Tench T-30
Tench T-46
Tench T-431

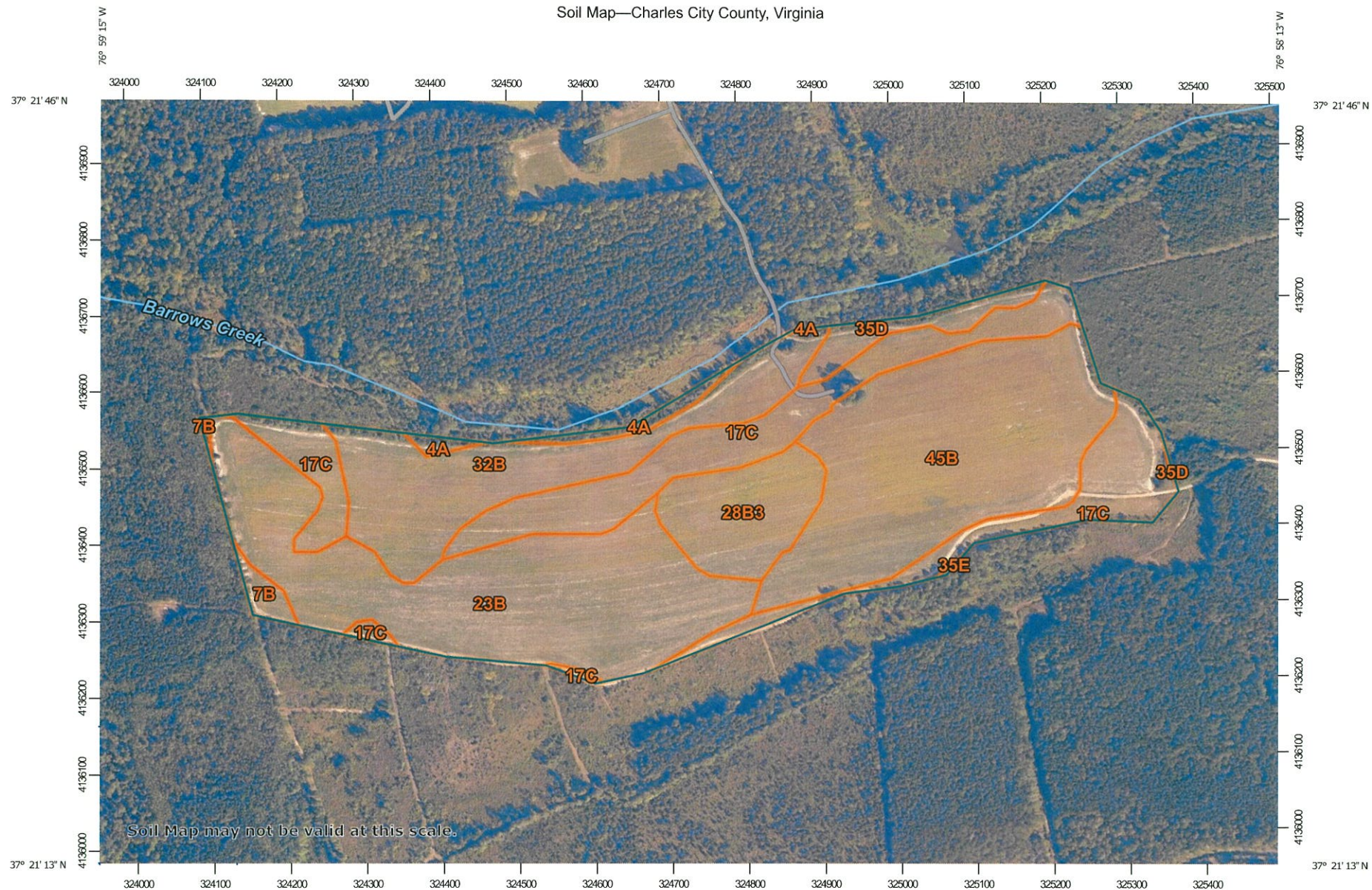


1"=500 ft

11/11/22



Soil Map—Charles City County, Virginia



Soil Map may not be valid at this scale.

Map Scale: 1:7,050 if printed on A landscape (11" x 8.5") sheet.



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




Natural Resources
Conservation Service

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National Cooperative Soil Survey




9/2/2021
Page 1 of 3

MAP LEGEND




















Area of Interest (AOI)







-  Area of Interest (AOI)

Soils

-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
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-  Mine or Quarry
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-  Special Line Features

Water Features

-  Streams and Canals

Transportation

-  Rails
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Survey Area Data: Version 15, Jun 3, 2020

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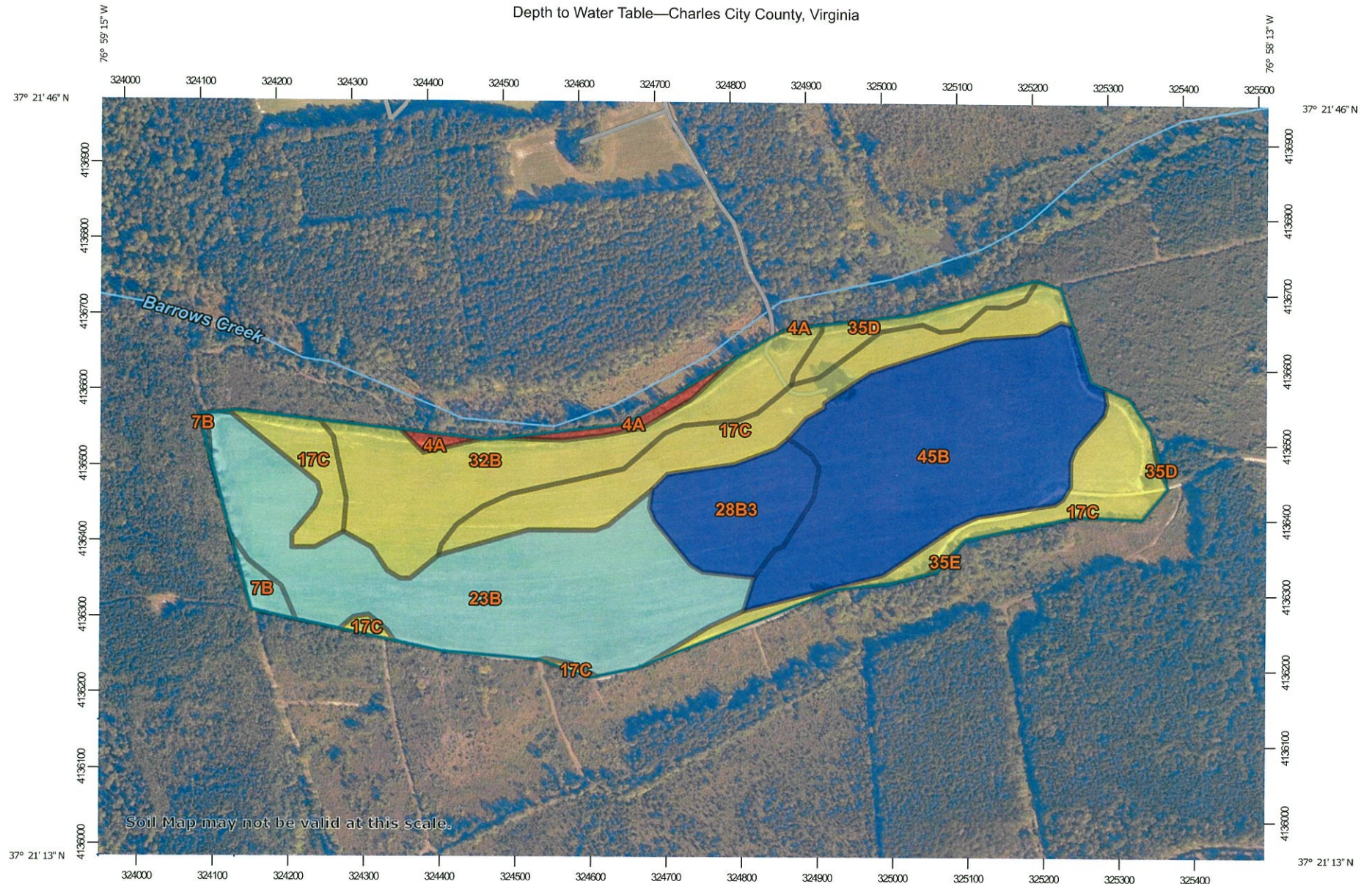
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Map Unit Legend

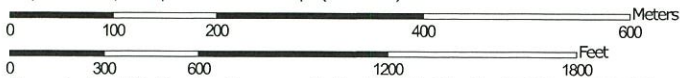
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	1.3	1.4%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	0.9	1.0%
17C	Craven-Uchee complex, 6 to 10 percent slopes	20.0	21.5%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	24.9	26.7%
28B3	Masada sandy clay loam, 2 to 6 percent slopes, severely eroded	6.5	7.0%
32B	Nansemond loamy sand, 0 to 4 percent slopes	13.3	14.3%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	2.4	2.5%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	0.0	0.0%
45B	Turbeville loam, 2 to 6 percent slopes	23.7	25.5%
Totals for Area of Interest		93.0	100.0%

Depth to Water Table—Charles City County, Virginia



Soil Map may not be valid at this scale.

Map Scale: 1:7,050 if printed on A landscape (11" x 8.5") sheet.



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

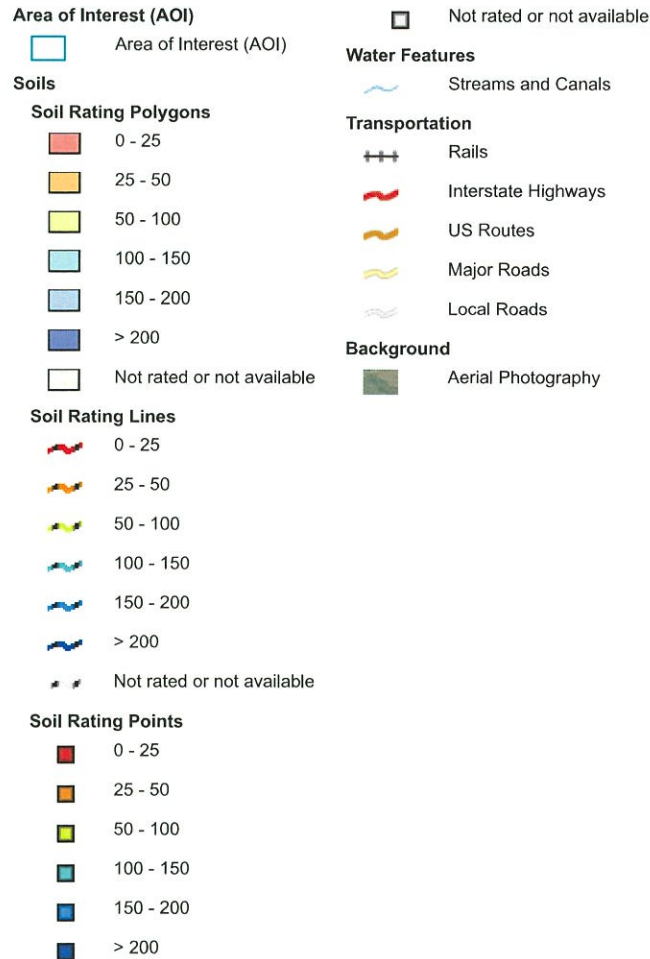


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 4

MAP LEGEND



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Coordinate System: Web Mercator (EPSG:3857)

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Survey Area Data: Version 15, 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: Oct 11, 2019—Oct 15, 2019

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.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	23	1.3	1.4%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	130	0.9	1.0%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	20.0	21.5%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	107	24.9	26.7%
28B3	Masada sandy clay loam, 2 to 6 percent slopes, severely eroded	>200	6.5	7.0%
32B	Nansemond loamy sand, 0 to 4 percent slopes	61	13.3	14.3%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	2.4	2.5%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	0.0	0.0%
45B	Turbeville loam, 2 to 6 percent slopes	>200	23.7	25.5%
Totals for Area of Interest			93.0	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

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Rating Options

Units of Measure: centimeters

Soil Map—Charles City County, Virginia



Map Scale: 1:3,920 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters

0 150 300 600 900 Feet

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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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.

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Soil Survey Area: Charles City County, Virginia

Survey Area Data: Version 15, 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: Oct 11, 2019—Oct 15, 2019

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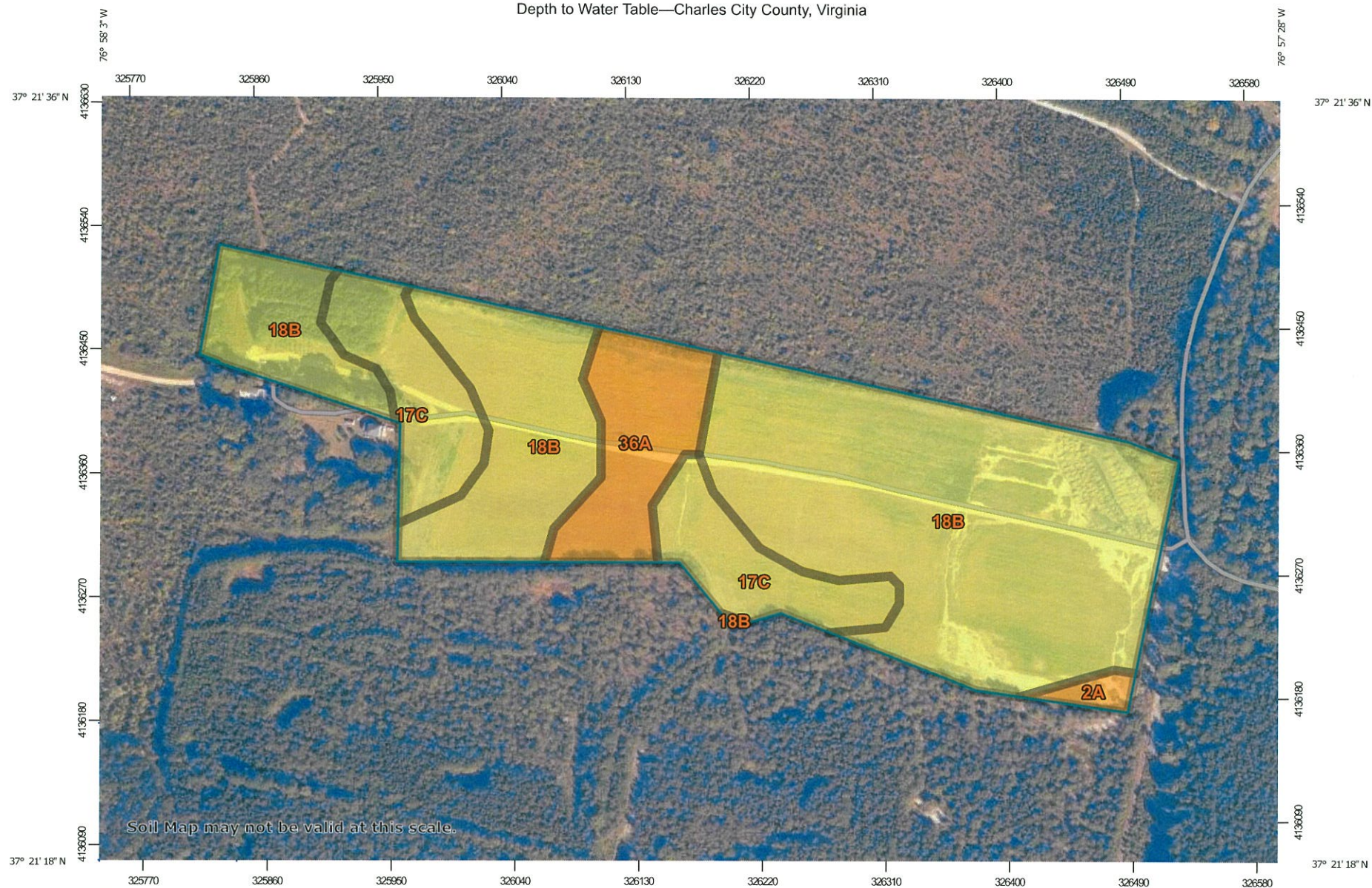
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Augusta sandy loam, 0 to 2 percent slopes	0.3	1.2%
17C	Craven-Uchee complex, 6 to 10 percent slopes	4.9	16.9%
18B	Dogue silt loam, 2 to 6 percent slopes	20.7	71.5%
36A	Newflat silt loam, 0 to 2 percent slopes	3.0	10.4%
Totals for Area of Interest		29.0	100.0%

Map Unit Legend

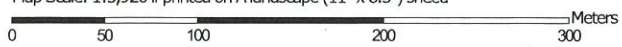
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Augusta sandy loam, 0 to 2 percent slopes	0.3	1.2%
17C	Craven-Uchee complex, 6 to 10 percent slopes	4.9	16.9%
18B	Dogue silt loam, 2 to 6 percent slopes	20.7	71.5%
36A	Newflat silt loam, 0 to 2 percent slopes	3.0	10.4%
Totals for Area of Interest		29.0	100.0%

Depth to Water Table—Charles City County, Virginia



Soil Map may not be valid at this scale.

Map Scale: 1:3,920 if printed on A landscape (11" x 8.5") sheet.



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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 3


MAP LEGEND

Area of Interest (AOI)








 Area of Interest (AOI)

Soils


Soil Rating Polygons

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Lines

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Points

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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Survey Area Data: Version 15, Jun 3, 2020

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Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Augusta sandy loam, 0 to 2 percent slopes	46	0.3	1.2%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	4.9	16.9%
18B	Dogue silt loam, 2 to 6 percent slopes	61	20.7	71.5%
36A	Newflat silt loam, 0 to 2 percent slopes	31	3.0	10.4%
Totals for Area of Interest			29.0	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

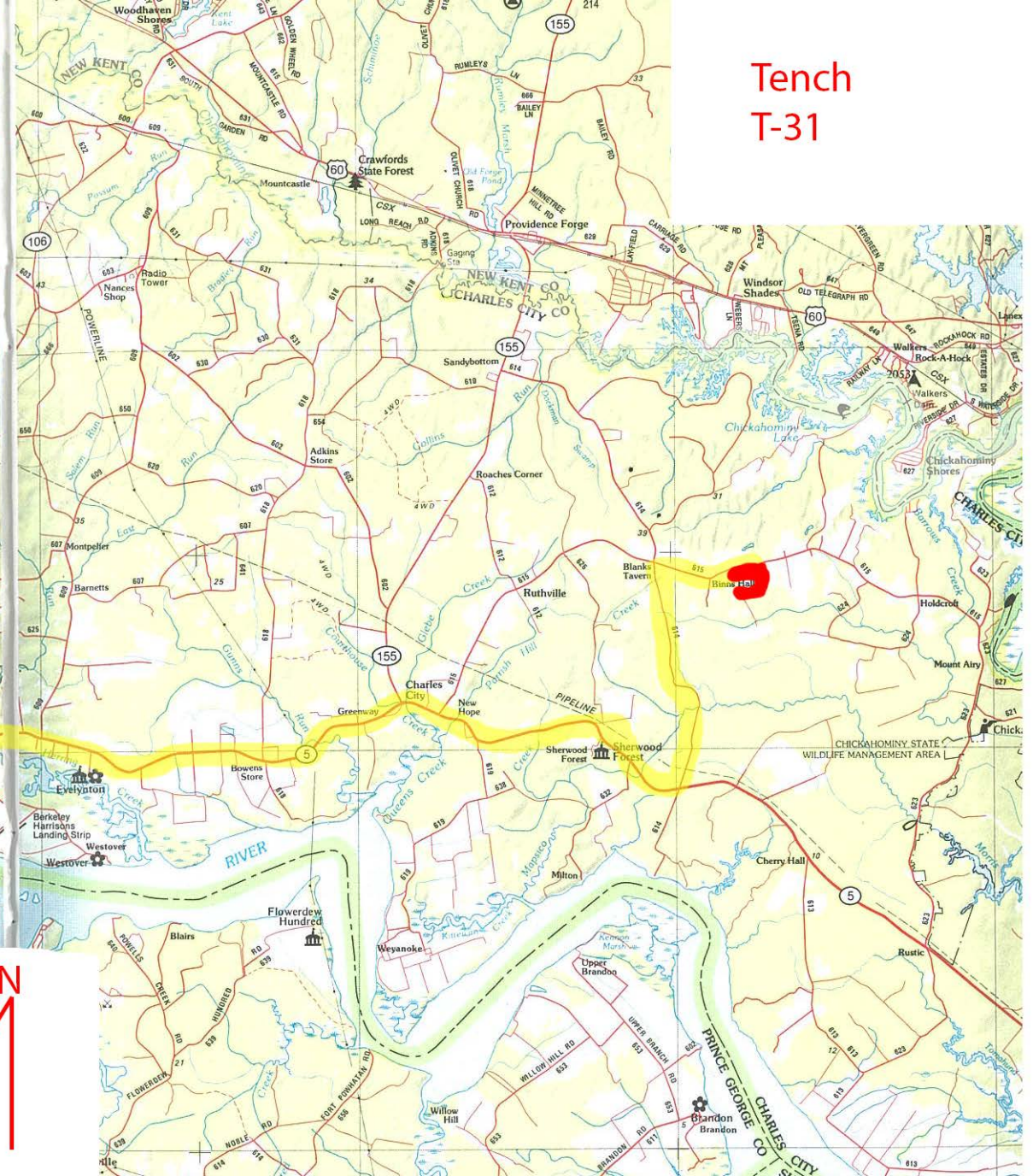
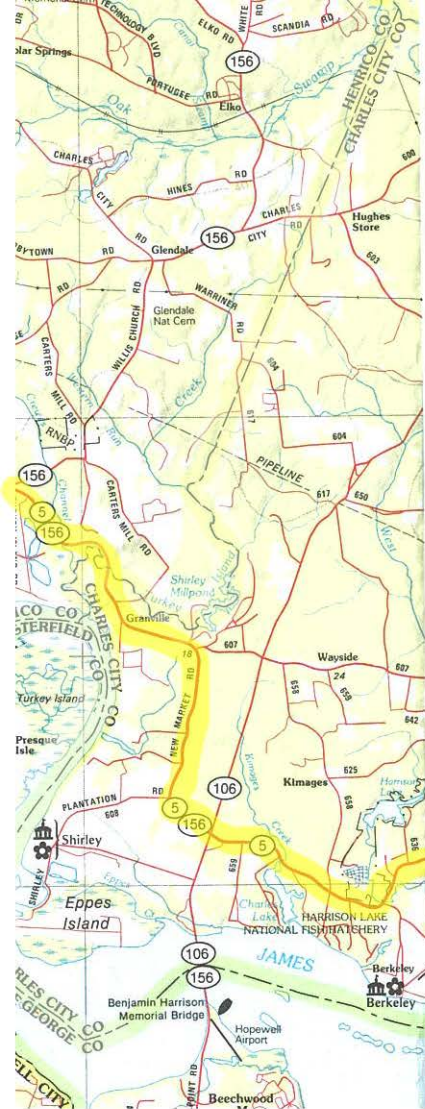
Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December



Tench
T-31

Road Map
Haul Route

1"=1 mile
7/18/23



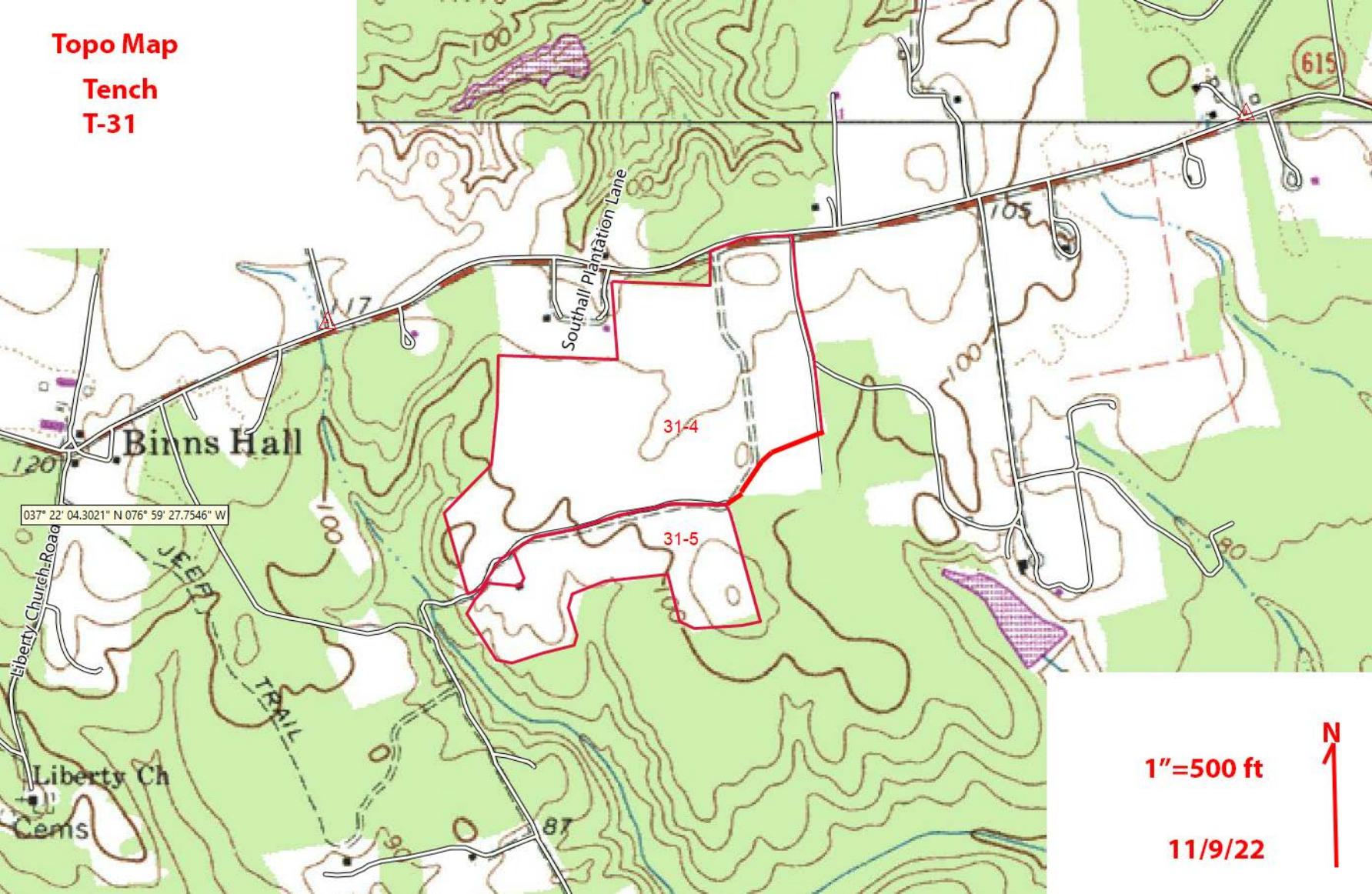
Buffer Map



Tench
T-31
8/21/23

Topo Map

Tench
T-31

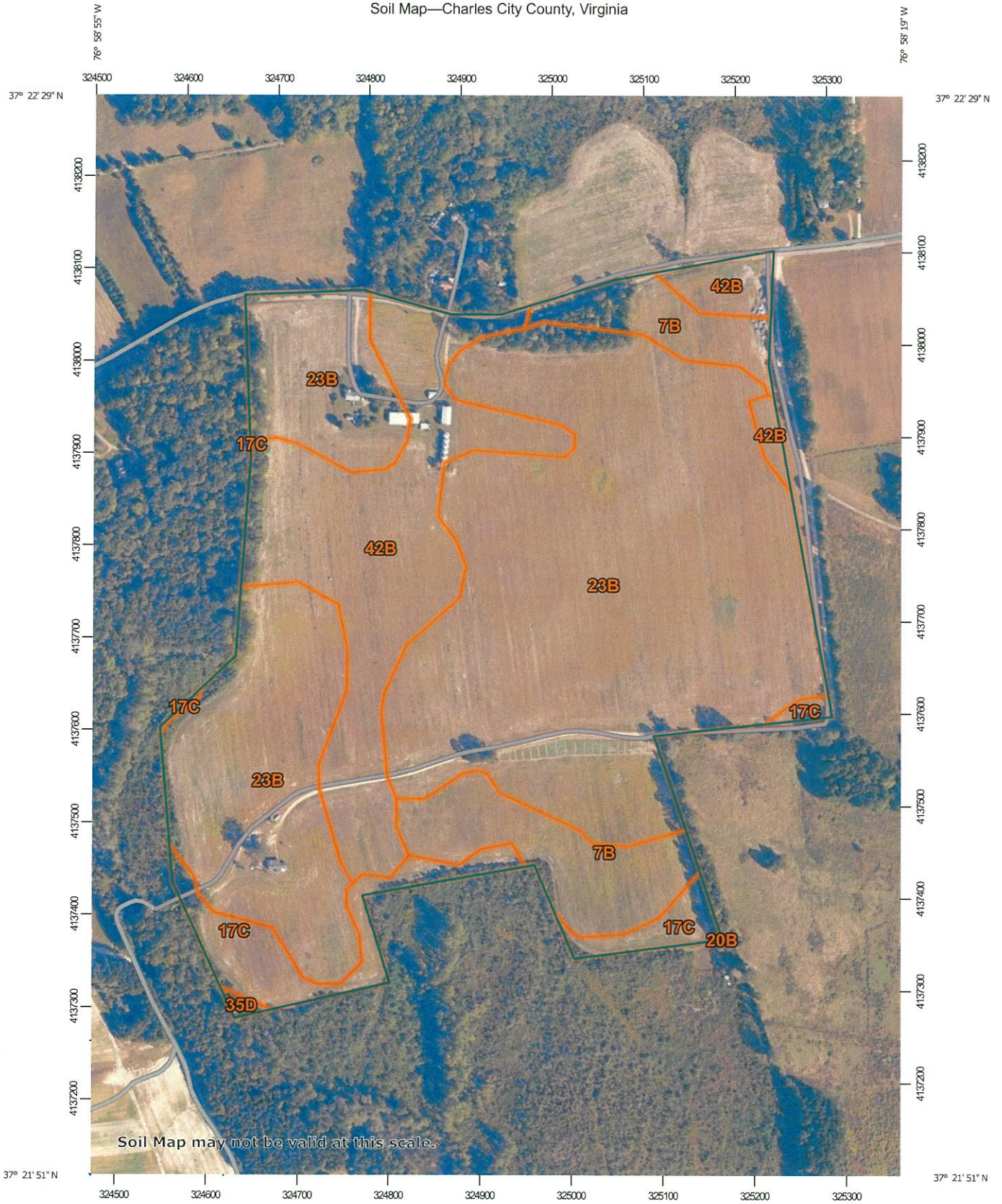


1"=500 ft

11/9/22



Soil Map—Charles City County, Virginia



Map Scale: 1:5,700 if printed on A portrait (8.5" x 11") sheet.
 0 50 100 200 300 Meters
 0 250 500 1000 1500 Feet
 Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84




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9/2/2021
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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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)

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Soil Survey Area: Charles City County, Virginia

Survey Area Data: Version 15, Jun 3, 2020

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

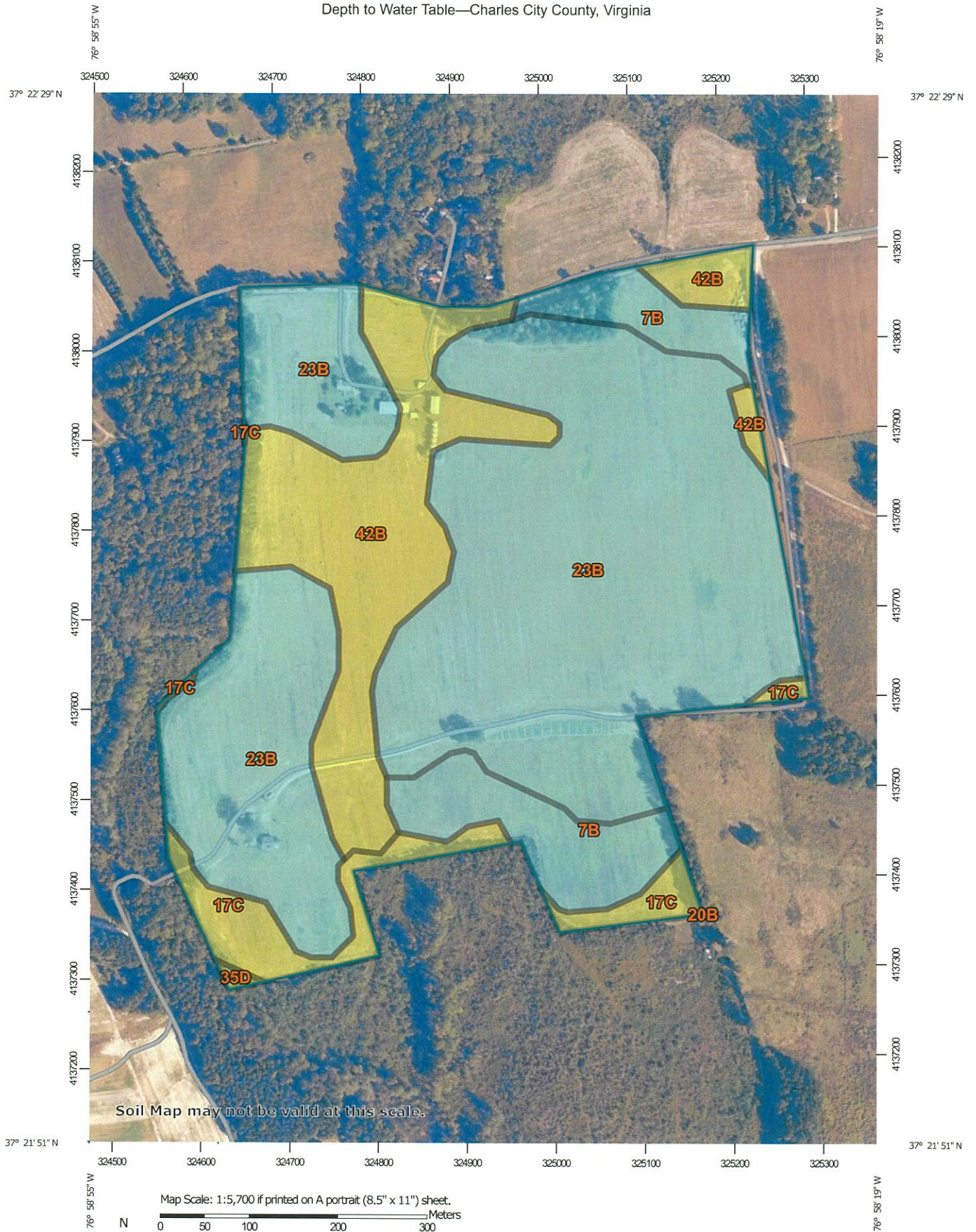
Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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.

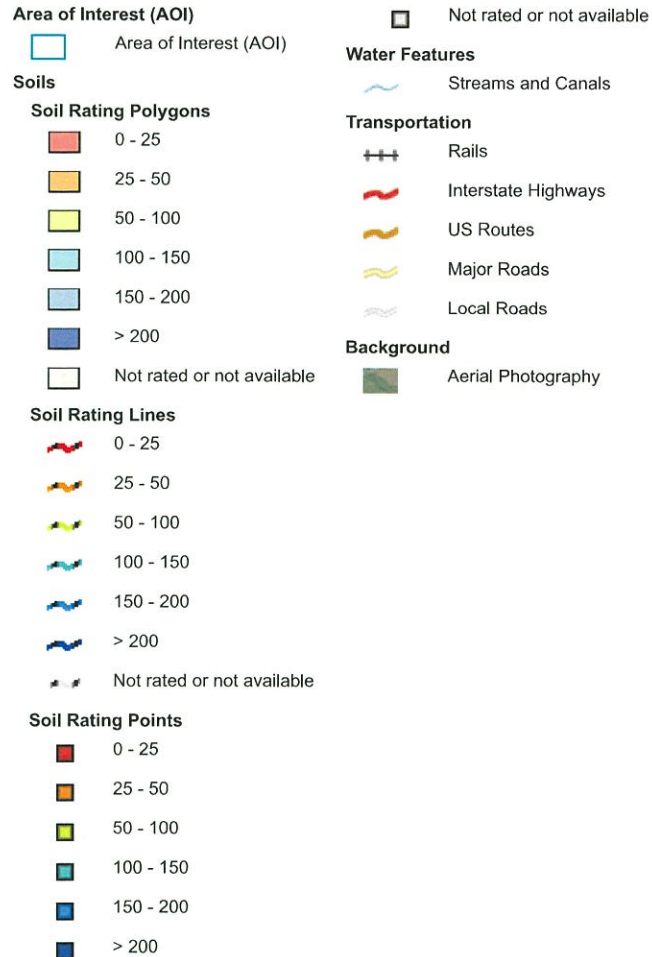
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7B	Caroline-Emporia complex, 2 to 6 percent slopes	10.0	9.6%
17C	Craven-Uchee complex, 6 to 10 percent slopes	6.1	5.8%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	0.0	0.0%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	67.6	64.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	0.2	0.2%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	20.4	19.6%
Totals for Area of Interest		104.3	100.0%

Depth to Water Table—Charles City County, Virginia



MAP LEGEND



MAP INFORMATION

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

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

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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
7B	Caroline-Emporia complex, 2 to 6 percent slopes	130	10.0	9.6%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	6.1	5.8%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	107	0.0	0.0%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	107	67.6	64.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	0.2	0.2%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	61	20.4	19.6%
Totals for Area of Interest			104.3	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

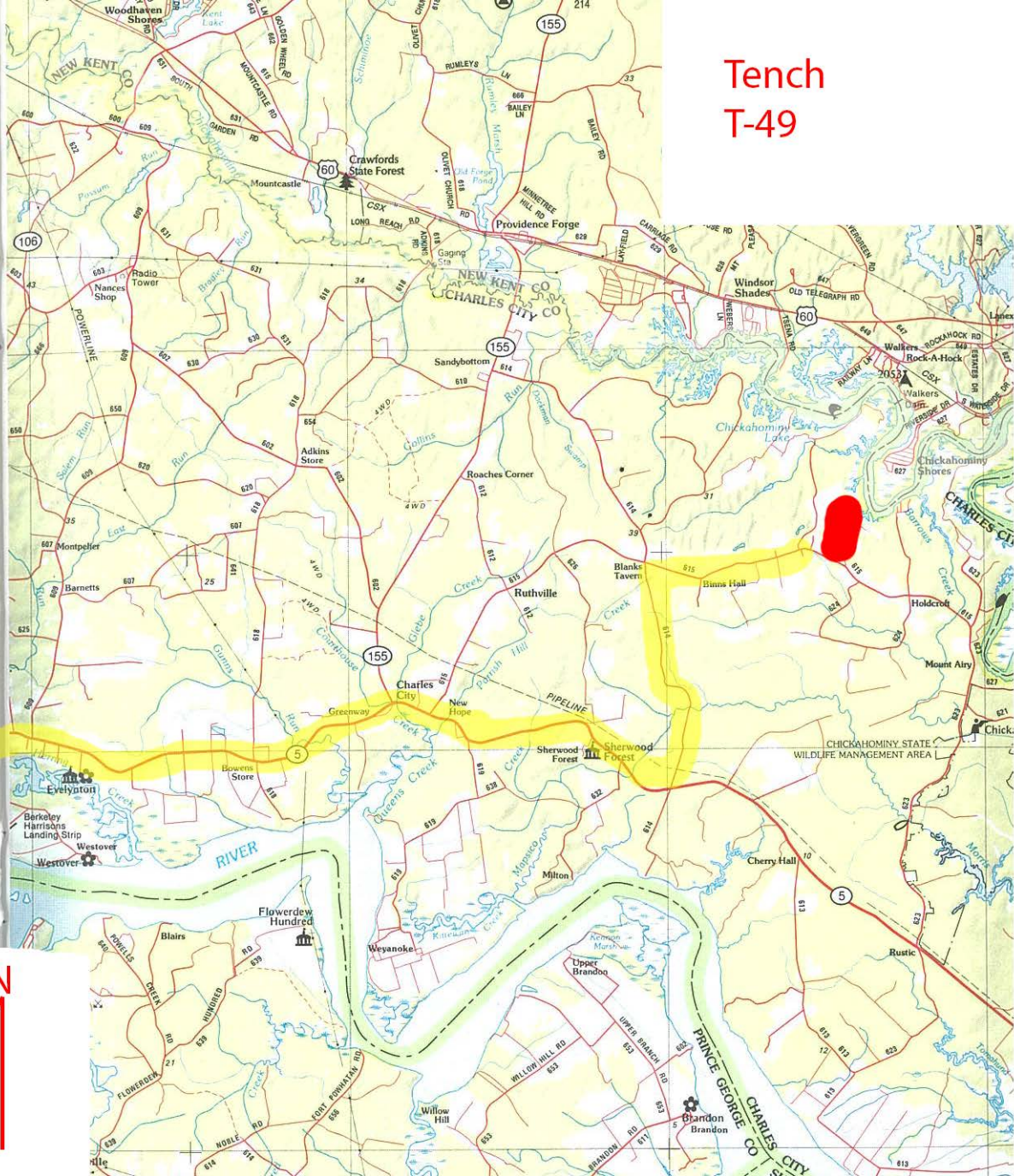
Beginning Month: January

Ending Month: December



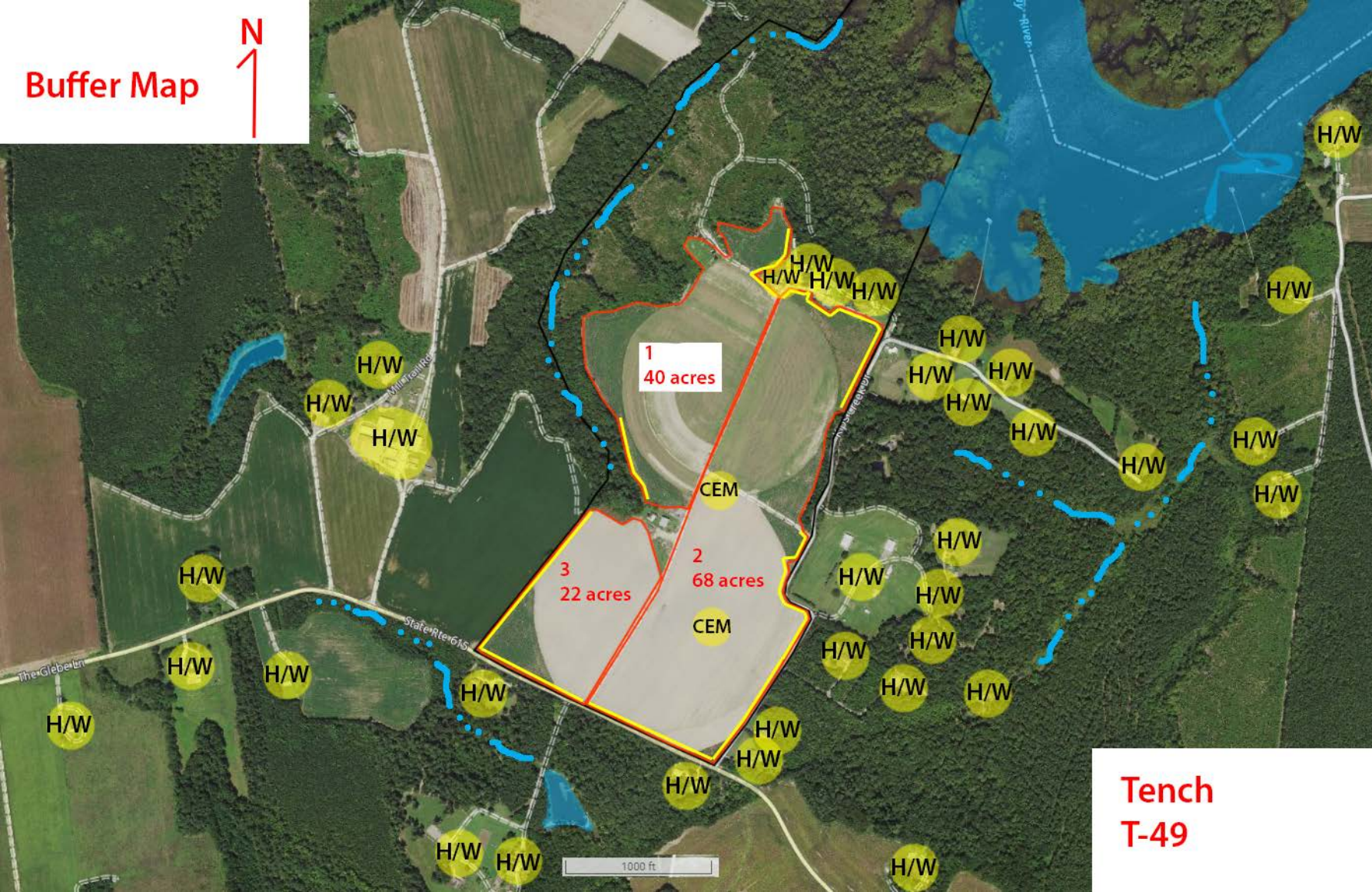
Road Map Haul Route

1"=1 mile
7/18/23



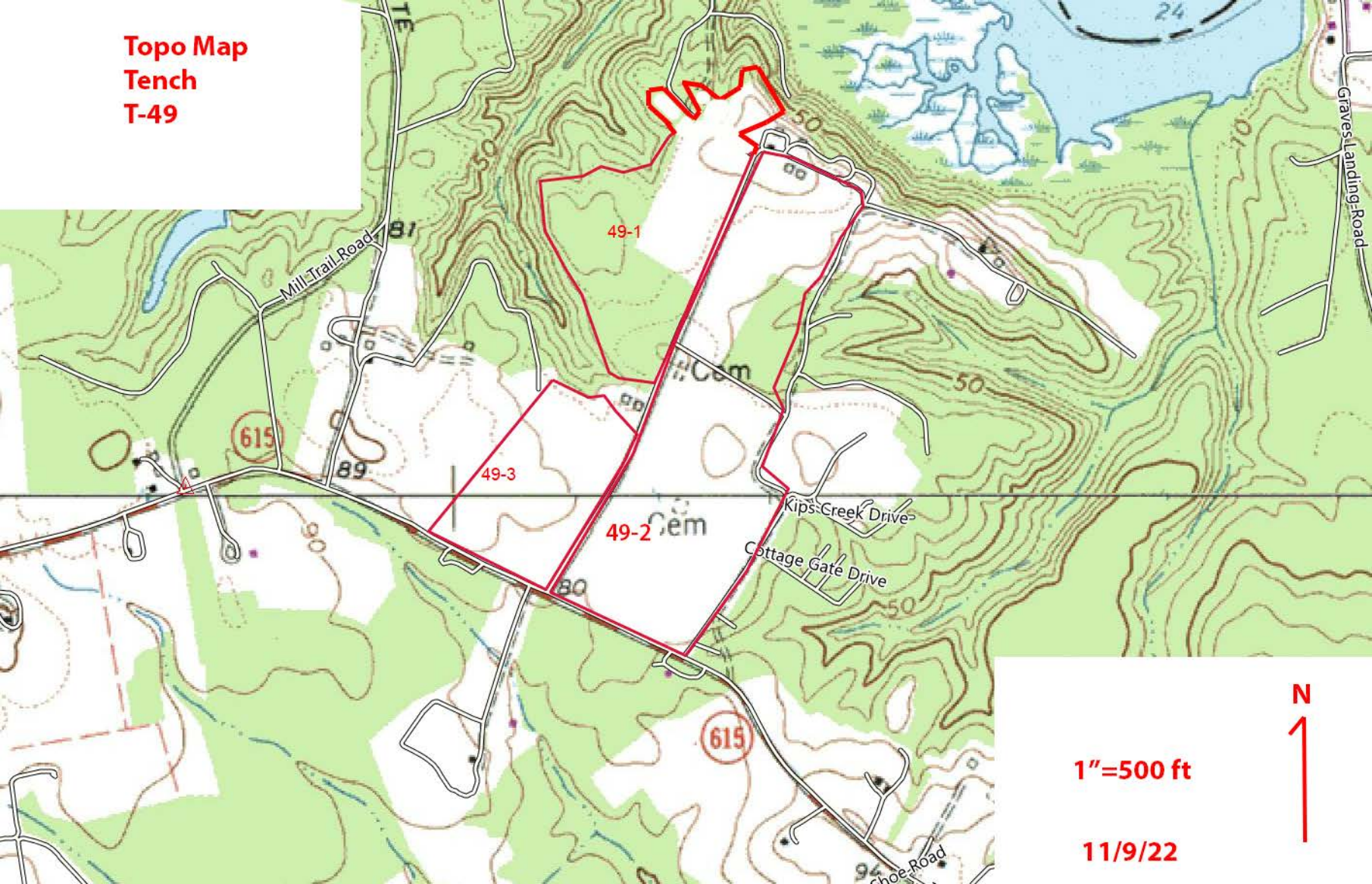
Tench
T-49

Buffer Map



Tench
T-49

**Topo Map
Tench
T-49**

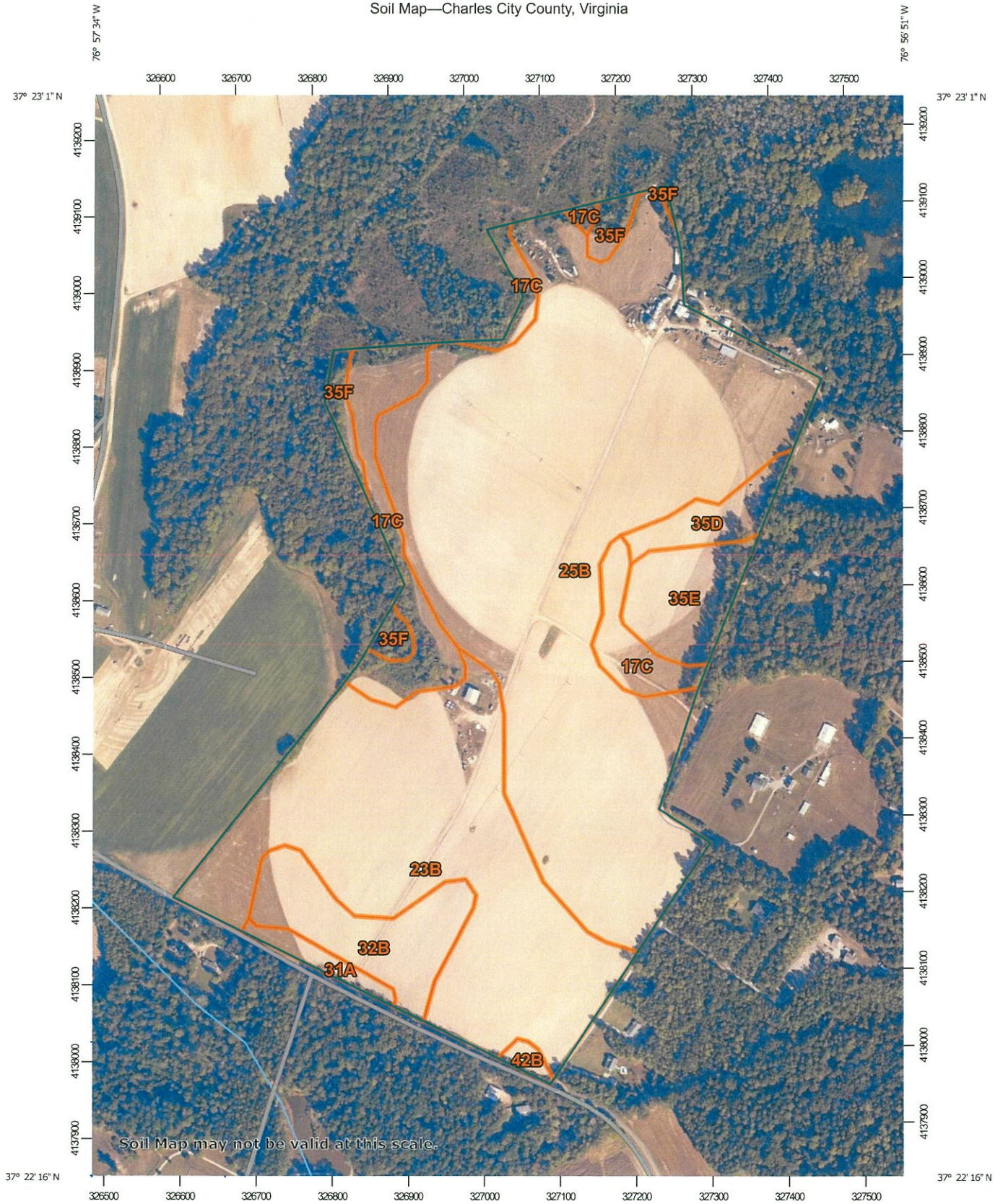


1"=500 ft

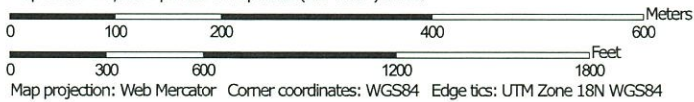
11/9/22



Soil Map—Charles City County, Virginia



Map Scale: 1:6,860 if printed on A portrait (8.5" x 11") sheet.




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey




9/2/2021
Page 1 of 3

MAP LEGEND




















Area of Interest (AOI)







-  Area of Interest (AOI)

Soils


-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

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

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Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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Survey Area Data: Version 15, Jun 3, 2020

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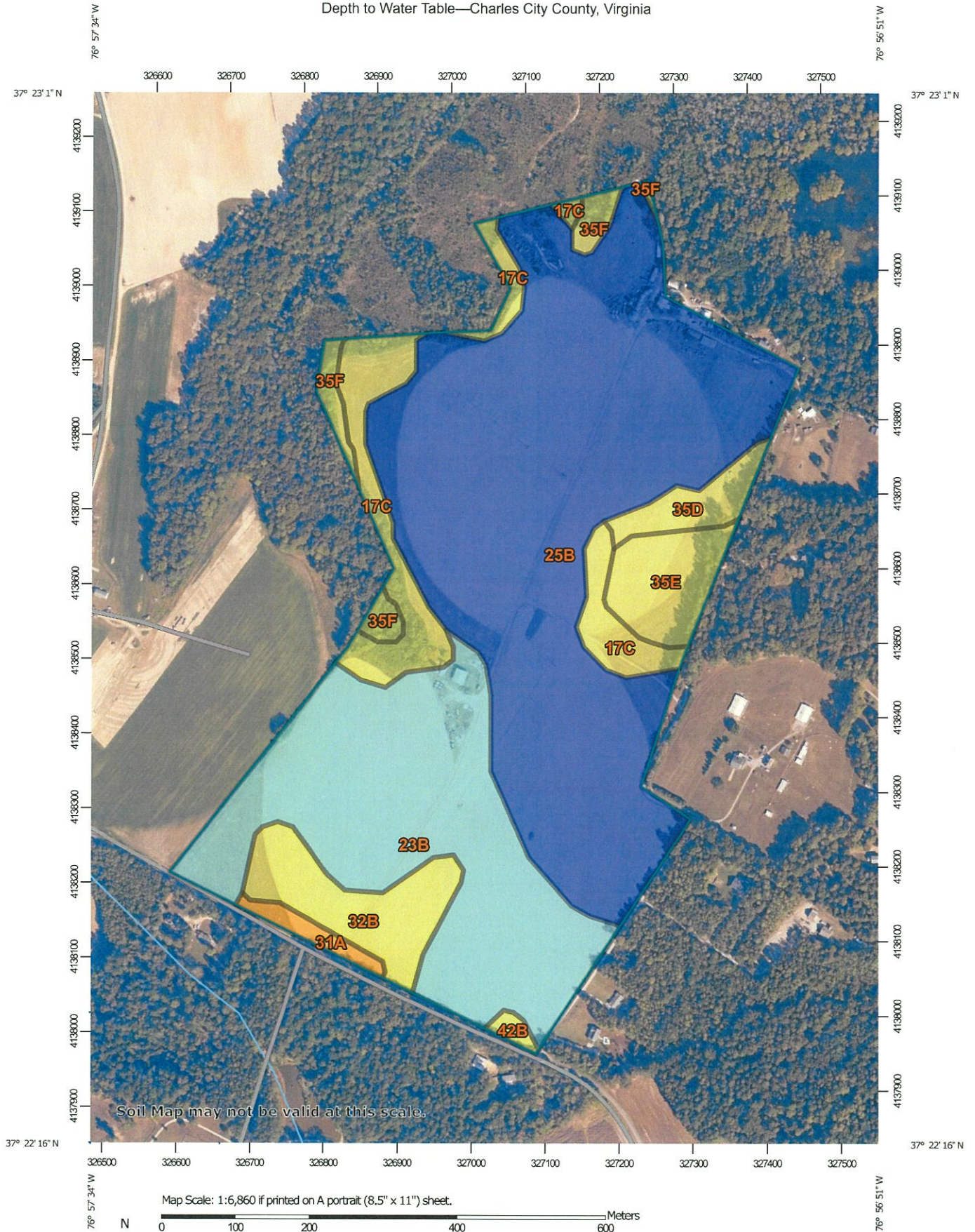
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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
17C	Craven-Uchee complex, 6 to 10 percent slopes	10.4	8.2%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	32.6	25.7%
25B	Kempsville loamy sand, 2 to 6 percent slopes	65.3	51.3%
31A	Nahunta silt loam, 0 to 2 percent slopes	1.3	1.0%
32B	Nansemond loamy sand, 0 to 4 percent slopes	6.9	5.4%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	2.8	2.2%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	4.9	3.8%
35F	Nevarc-Remlik complex, 25 to 60 percent slopes	2.6	2.1%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	0.5	0.4%
Totals for Area of Interest		127.3	100.0%

Depth to Water Table—Charles City County, Virginia

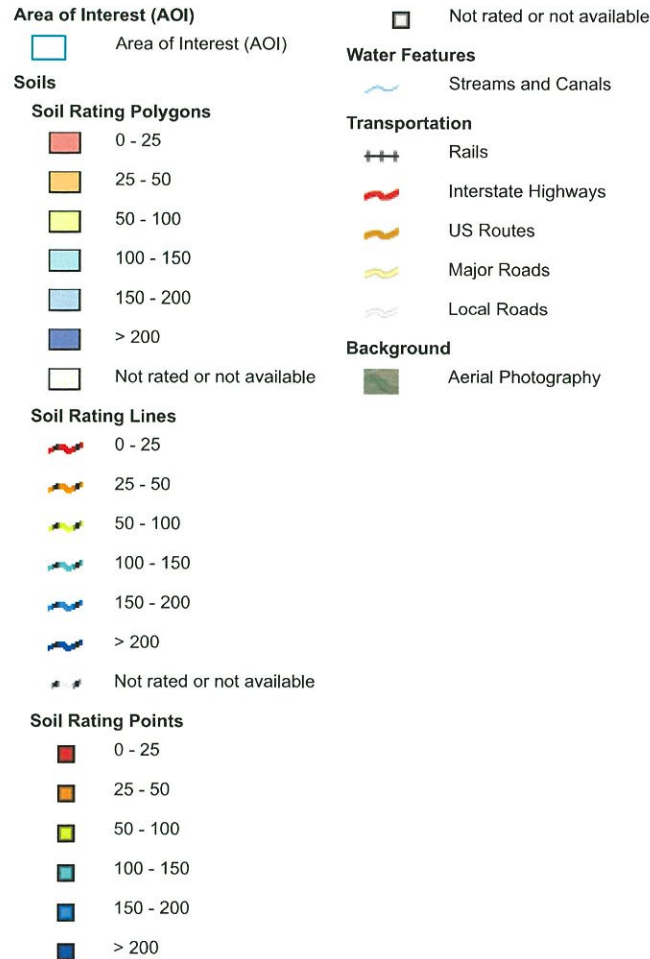


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 4

MAP LEGEND



MAP INFORMATION

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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	10.4	8.2%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	107	32.6	25.7%
25B	Kempsville loamy sand, 2 to 6 percent slopes	>200	65.3	51.3%
31A	Nahunta silt loam, 0 to 2 percent slopes	38	1.3	1.0%
32B	Nansemond loamy sand, 0 to 4 percent slopes	61	6.9	5.4%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	2.8	2.2%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	4.9	3.8%
35F	Nevarc-Remlik complex, 25 to 60 percent slopes	61	2.6	2.1%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	61	0.5	0.4%
Totals for Area of Interest			127.3	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

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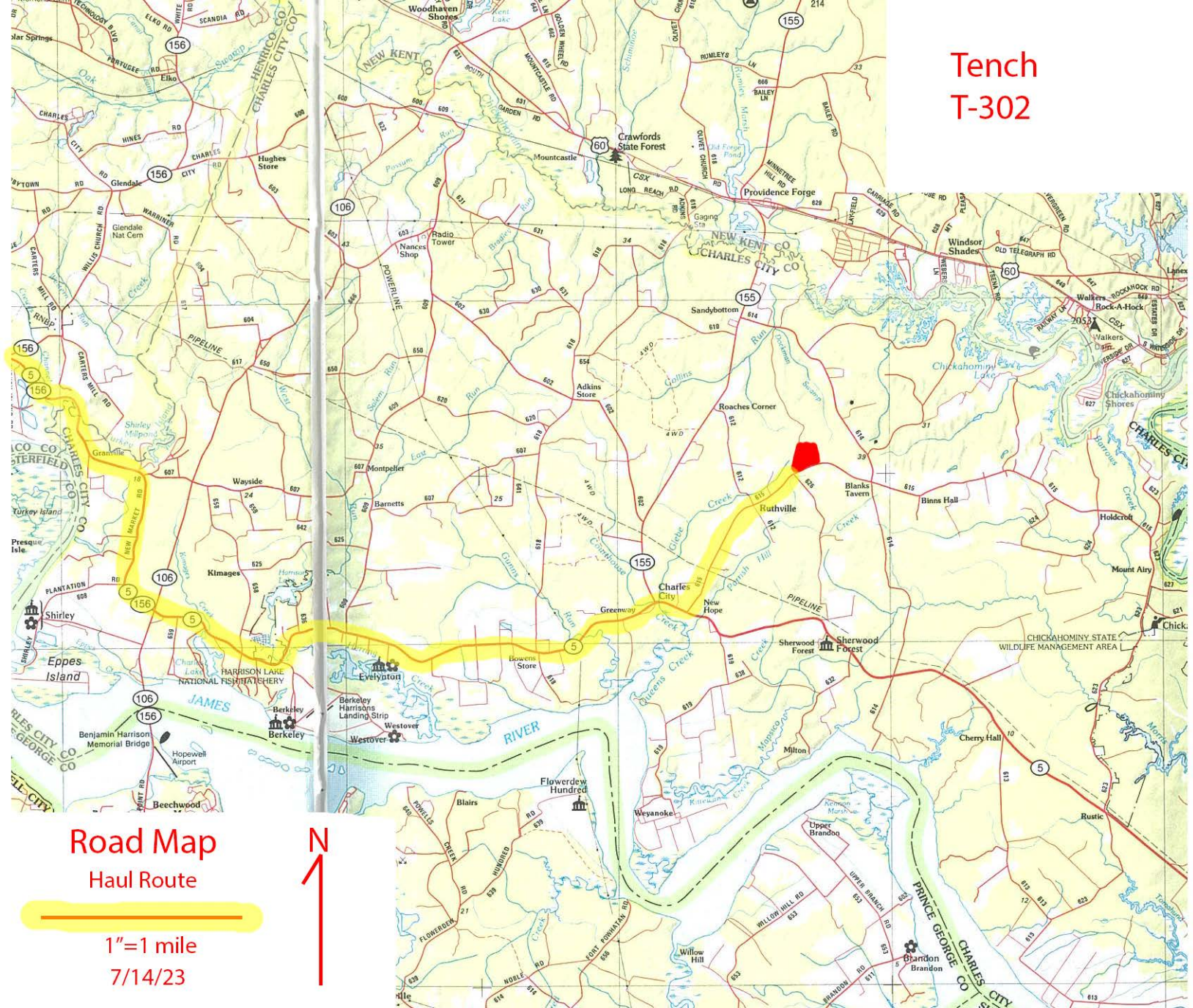
Rating Options

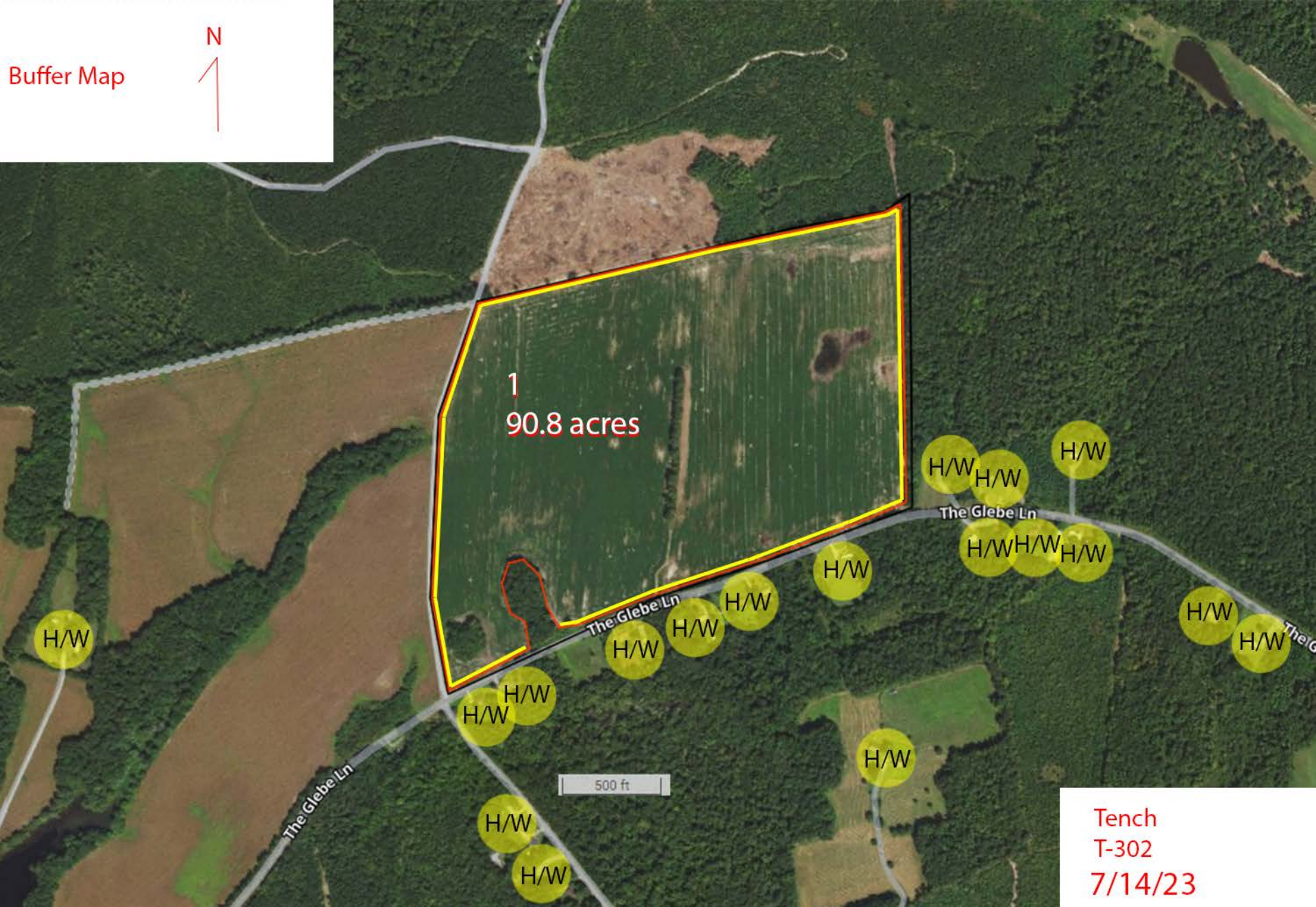
Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tench
T-302



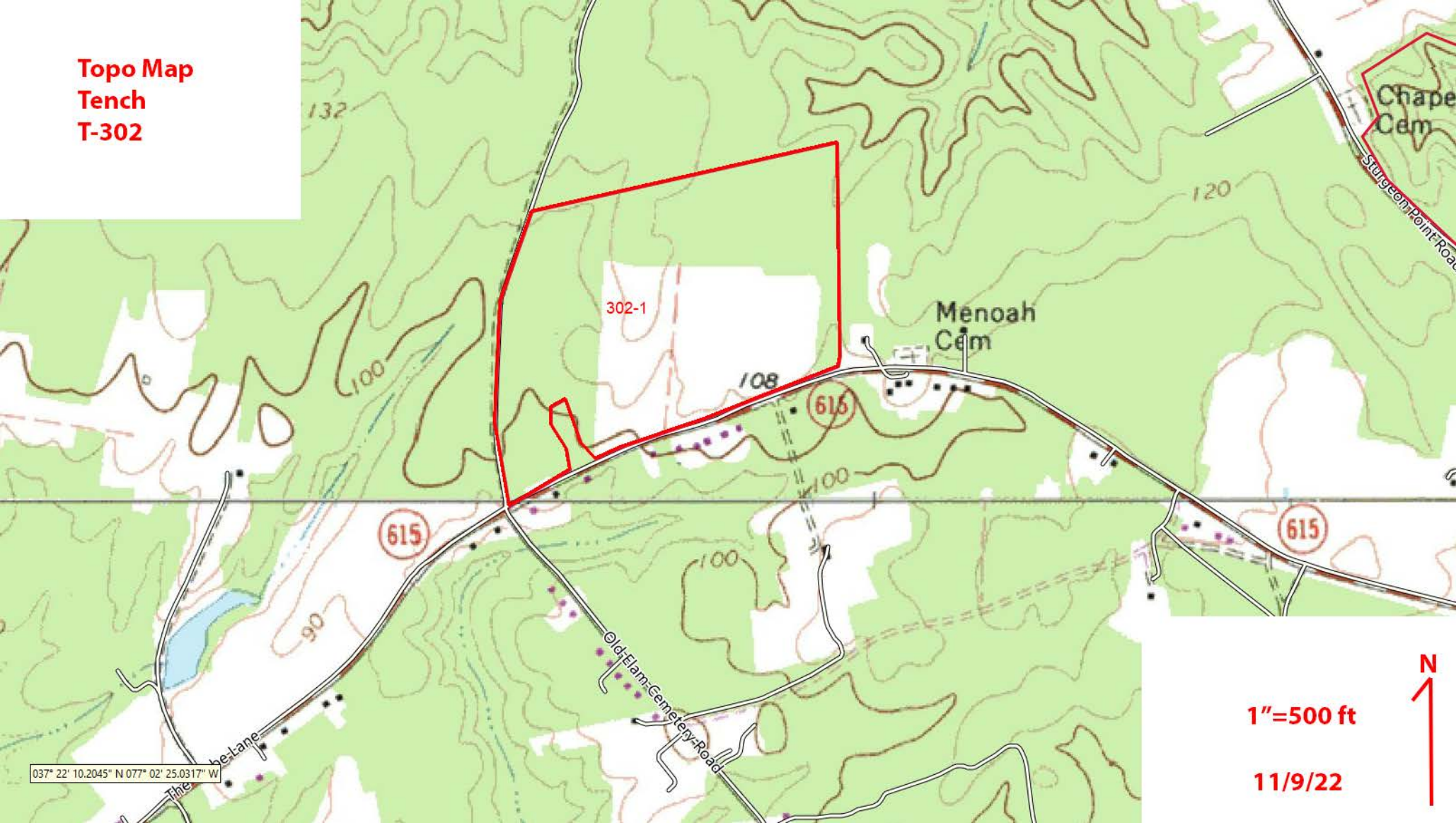


1
90.8 acres

500 ft

Tench
T-302
7/14/23

**Topo Map
Tench
T-302**



037° 22' 10.2045" N 077° 02' 25.0317" W

1"=500 ft

11/9/22

Soil Map—Charles City County, Virginia



Map Scale: 1:5,730 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

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




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Stip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Charles City County, Virginia

Survey Area Data: Version 15, Jun 3, 2020

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

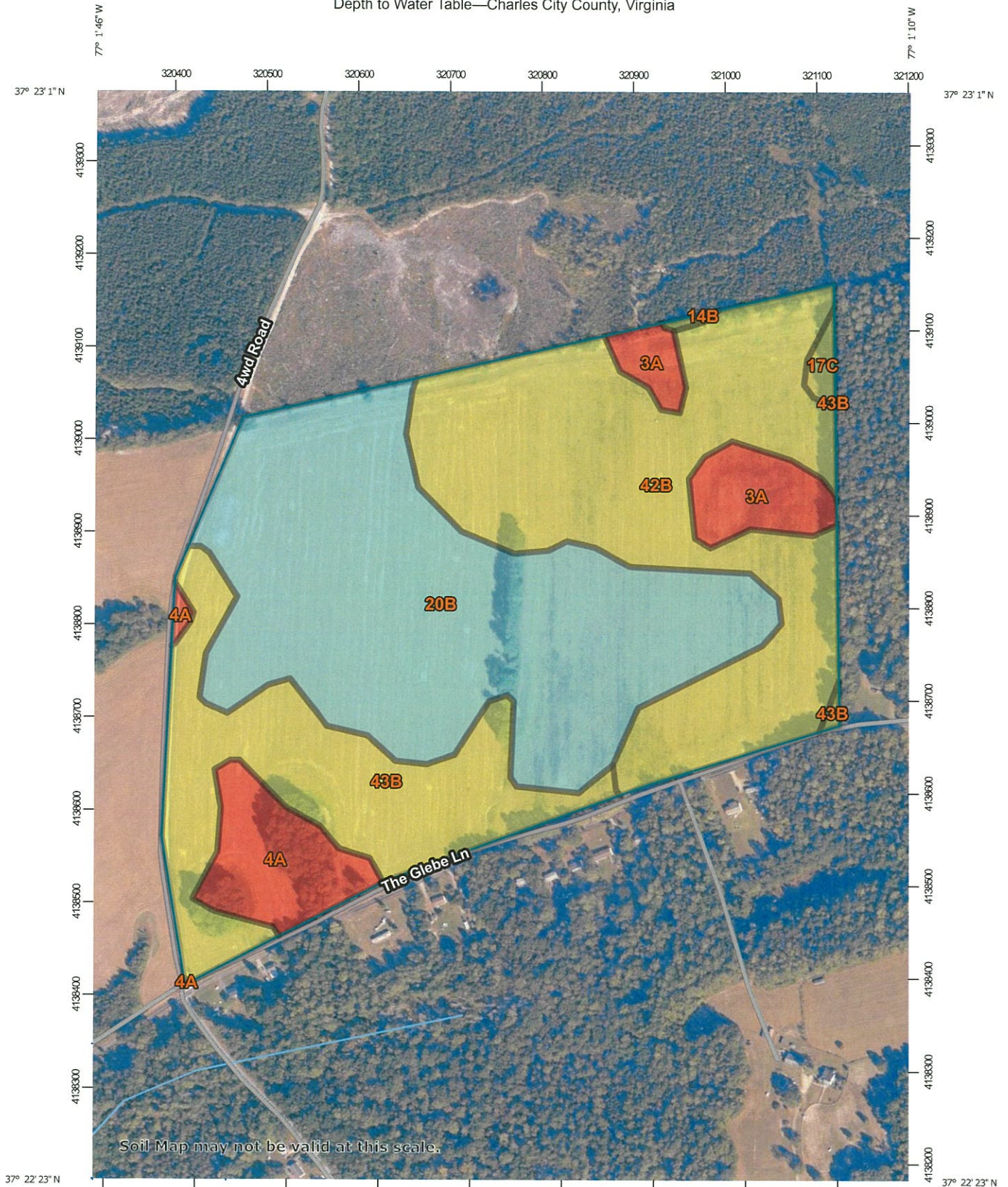
Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
3A	Bethera silt loam, 0 to 2 percent slopes	4.5	4.8%
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	5.2	5.6%
14B	Craven-Caroline complex, 2 to 6 percent slopes	0.1	0.1%
17C	Craven-Uchee complex, 6 to 10 percent slopes	0.5	0.6%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	36.6	39.4%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	29.6	31.8%
43B	Slagle-Emporia complex, 2 to 6 percent slopes	16.4	17.7%
Totals for Area of Interest		93.0	100.0%

Depth to Water Table—Charles City County, Virginia



Map Scale: 1:5,730 if printed on A portrait (8.5" x 11") sheet.
 0 50 100 200 300 Meters
 0 250 500 1000 1500 Feet
 Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 4





MAP LEGEND

Area of Interest (AOI)





 Area of Interest (AOI)

Soils

Soil Rating Polygons


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Lines


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Points

-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Charles City County, Virginia

Survey Area Data: Version 15, 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: Oct 11, 2019—Oct 15, 2019

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.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
3A	Bethera silt loam, 0 to 2 percent slopes	0	4.5	4.8%
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	23	5.2	5.6%
14B	Craven-Caroline complex, 2 to 6 percent slopes	76	0.1	0.1%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	0.5	0.6%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	107	36.6	39.4%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	61	29.6	31.8%
43B	Slagle-Emporia complex, 2 to 6 percent slopes	61	16.4	17.7%
Totals for Area of Interest			93.0	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

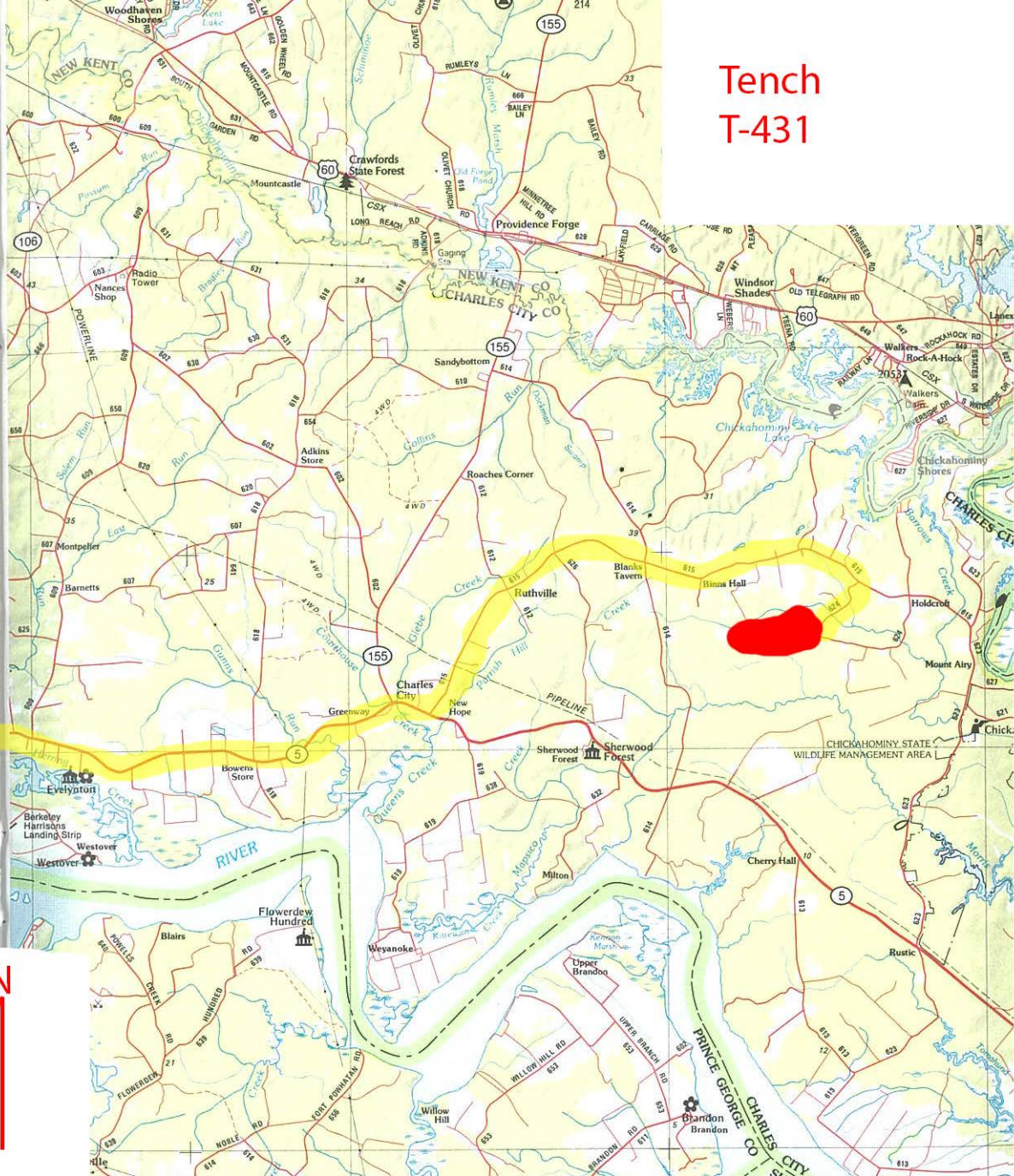
Interpret Nulls as Zero: No

Beginning Month: January

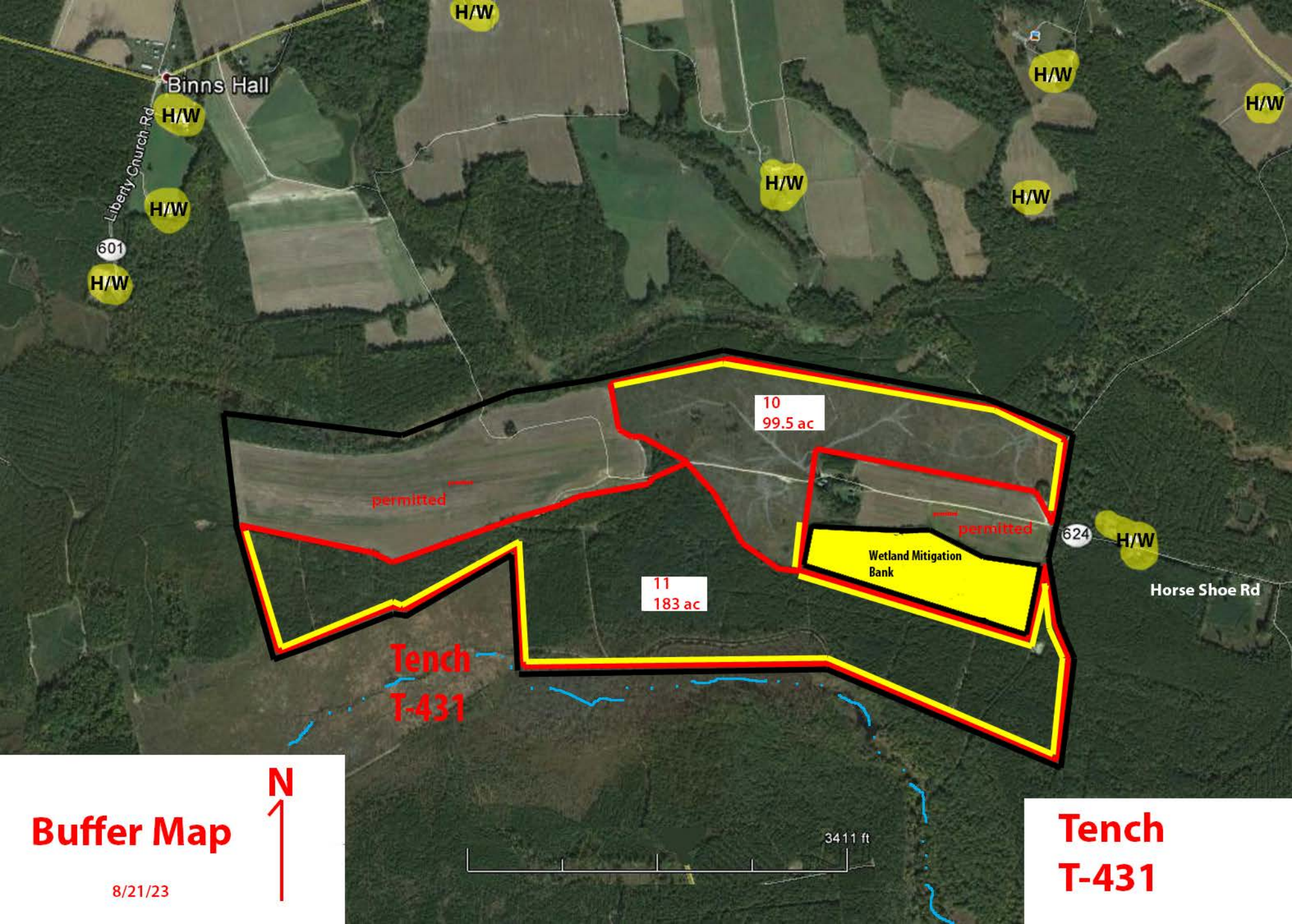


Road Map
Haul Route

1"=1 mile
7/18/23



Tench
T-431



Buffer Map

8/21/23

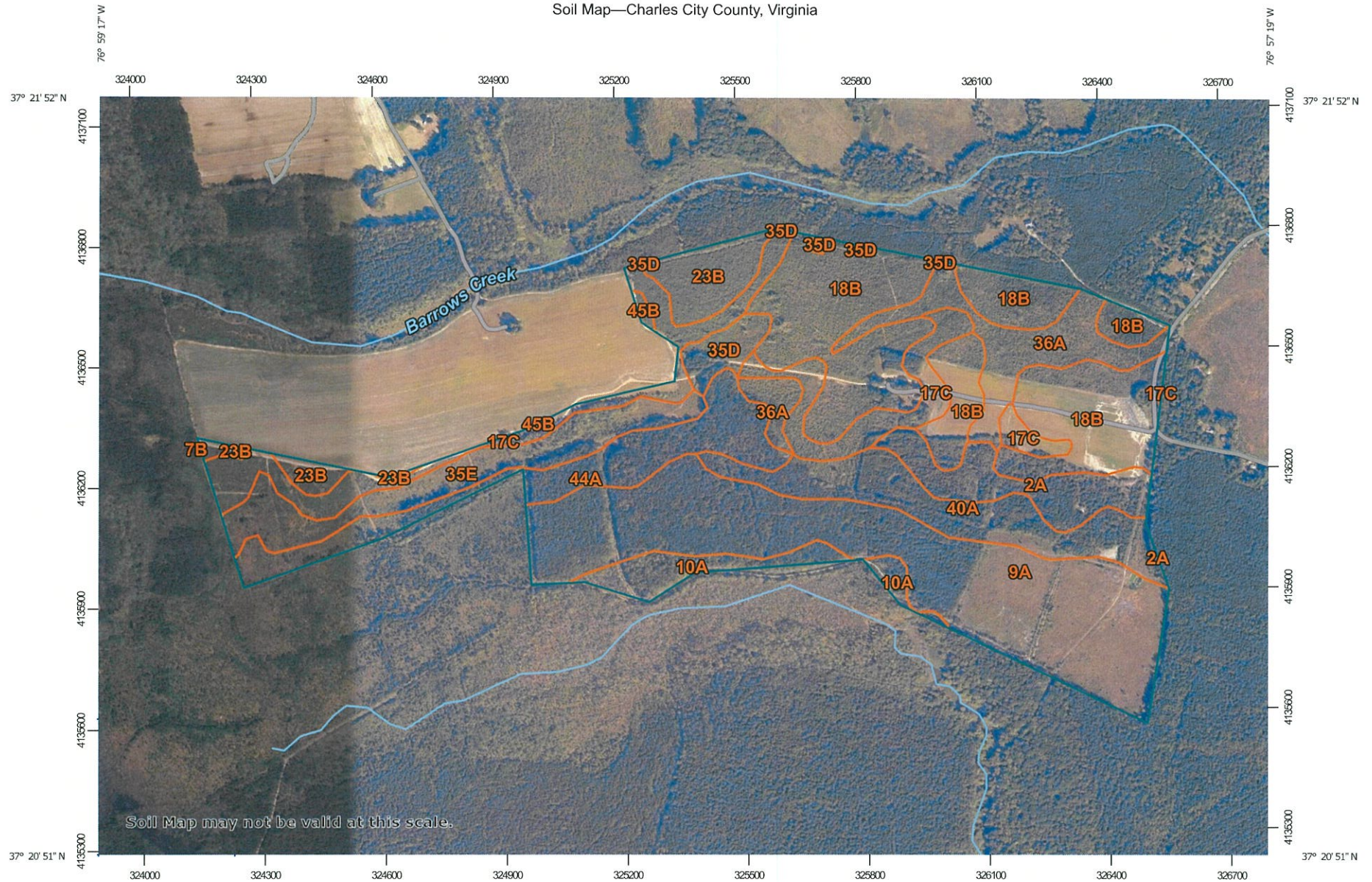
Tench
T-431

Topographic map showing the proposed road alignment (red line) and existing features. The map includes contour lines, a creek, and a road labeled "Horse Shoe Road". The proposed alignment is marked with stationing: 30-1, 431-10, 431-11, and 46-1. A north arrow and scale bar (1"=500 ft) are provided in the bottom right corner.



Point R

Soil Map—Charles City County, Virginia



Map Scale: 1:13,300 if printed on A landscape (11" x 8.5") sheet.


0 150 300 600 900 Meters

0 500 1000 2000 3000 Feet




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

MAP LEGEND




















Area of Interest (AOI)

-  Area of Interest (AOI)

Soils


-  Soil Map Unit Polygons
-  Soil Map Unit Lines
-  Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features


Water Features

-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

-  Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

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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: Charles City County, Virginia
Survey Area Data: Version 16, Sep 17, 2021

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

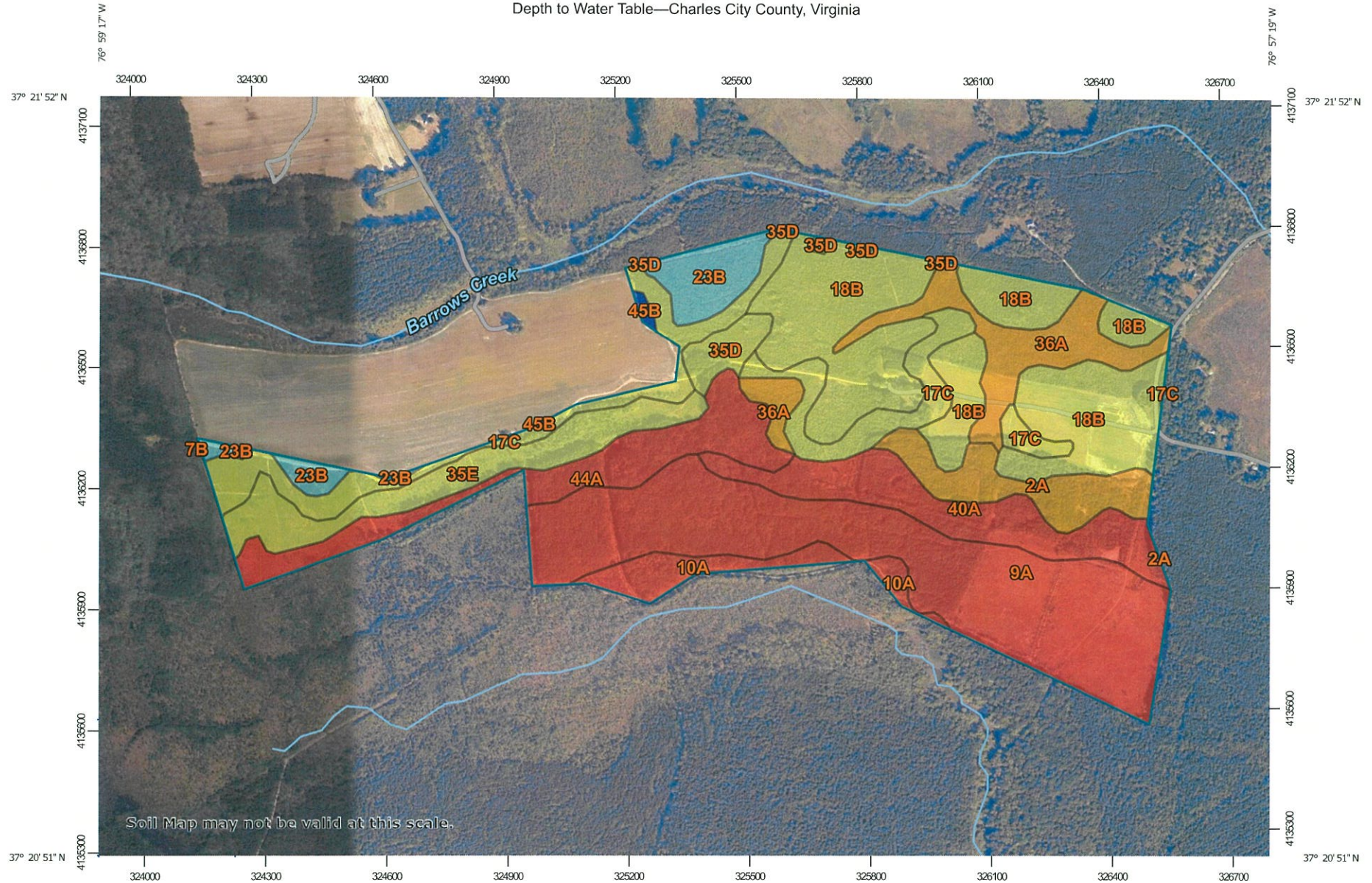
Date(s) aerial images were photographed: Oct 11, 2019—Apr 7, 2021

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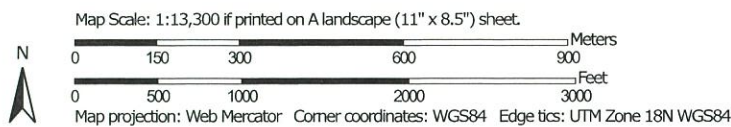
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Augusta sandy loam, 0 to 2 percent slopes	16.4	4.7%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	0.6	0.2%
9A	Chickahominy loam, 0 to 2 percent slopes	86.4	24.6%
10A	Chickahominy loam, 0 to 2 percent slopes, ponded	11.1	3.2%
17C	Craven-Uchee complex, 6 to 10 percent slopes	36.3	10.3%
18B	Dogue silt loam, 2 to 6 percent slopes	77.6	22.1%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	13.3	3.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	6.3	1.8%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	24.1	6.9%
36A	Newflat silt loam, 0 to 2 percent slopes	23.4	6.7%
40A	Roanoke silt loam, 0 to 2 percent slopes	27.7	7.9%
44A	Tomotley fine sandy loam, 0 to 2 percent slopes	27.1	7.7%
45B	Turbeville loam, 2 to 6 percent slopes	0.7	0.2%
Totals for Area of Interest		351.0	100.0%

Depth to Water Table—Charles City County, Virginia




Soil Map may not be valid at this scale.







MAP LEGEND

Area of Interest (AOI)






 Area of Interest (AOI)

Soils







Soil Rating Polygons

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Lines


 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200
 Not rated or not available

Soil Rating Points

 0 - 25
 25 - 50
 50 - 100
 100 - 150
 150 - 200
 > 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

 Rails
 Interstate Highways
 US Routes
 Major Roads
 Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

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

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

Soil Survey Area: Charles City County, Virginia
 Survey Area Data: Version 16, Sep 17, 2021

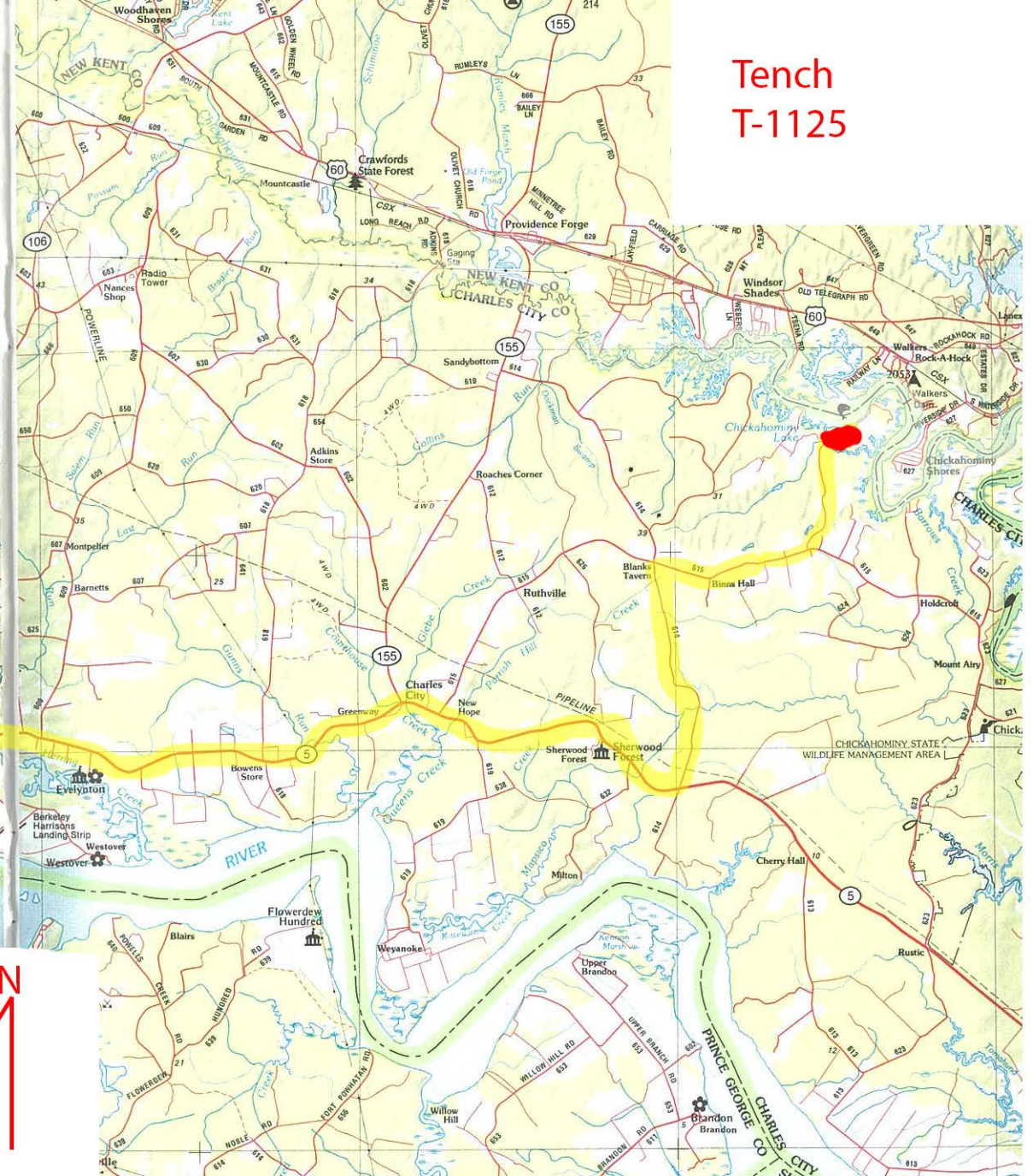
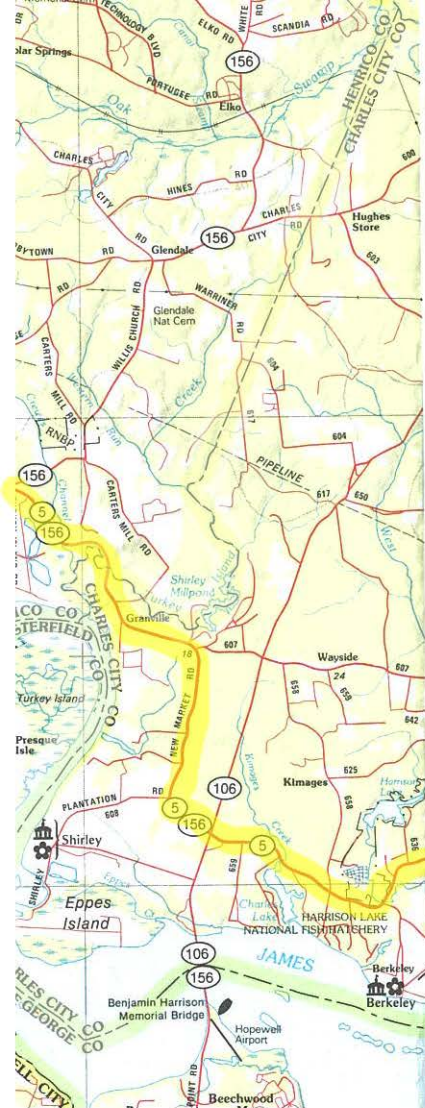
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 11, 2019—Apr 7, 2021

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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Augusta sandy loam, 0 to 2 percent slopes	46	16.4	4.7%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	130	0.6	0.2%
9A	Chickahominy loam, 0 to 2 percent slopes	8	86.4	24.6%
10A	Chickahominy loam, 0 to 2 percent slopes, ponded	8	11.1	3.2%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	36.3	10.3%
18B	Dogue silt loam, 2 to 6 percent slopes	61	77.6	22.1%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	107	13.3	3.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	6.3	1.8%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	24.1	6.9%
36A	Newflat silt loam, 0 to 2 percent slopes	31	23.4	6.7%
40A	Roanoke silt loam, 0 to 2 percent slopes	15	27.7	7.9%
44A	Tomotley fine sandy loam, 0 to 2 percent slopes	15	27.1	7.7%
45B	Turbeville loam, 2 to 6 percent slopes	>200	0.7	0.2%
Totals for Area of Interest			351.0	100.0%



Tench
T-1125

Road Map
Haul Route



1"=1 mile
7/18/23



**PUBLIC WATER SUPPLY
RESERVOIR
-400 ft BUFFER
FIELDS 1 & 4**

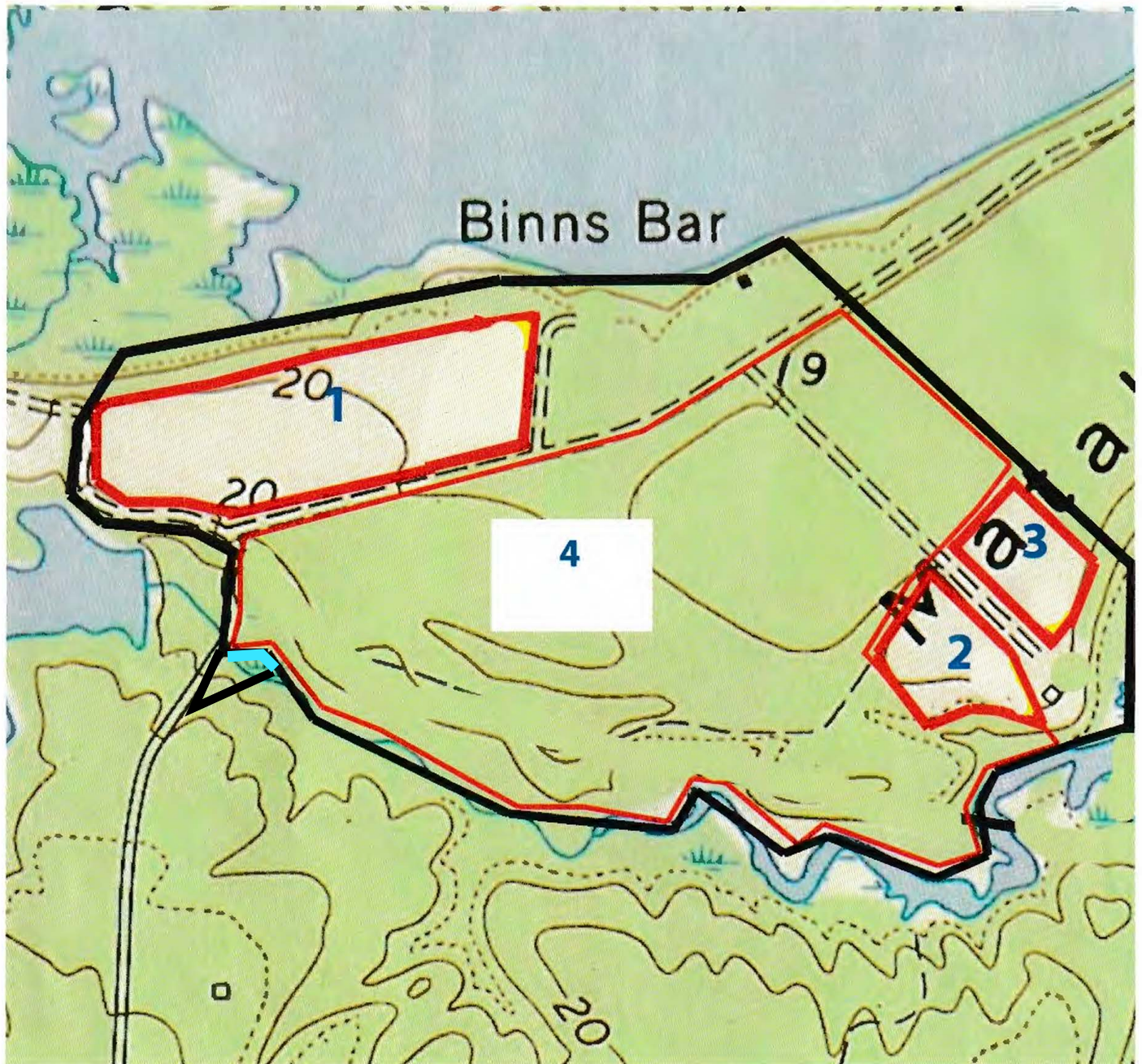


Mill Trail Road

500 ft

NutriBlend

BIO SOLIDS LAND APPLICATION



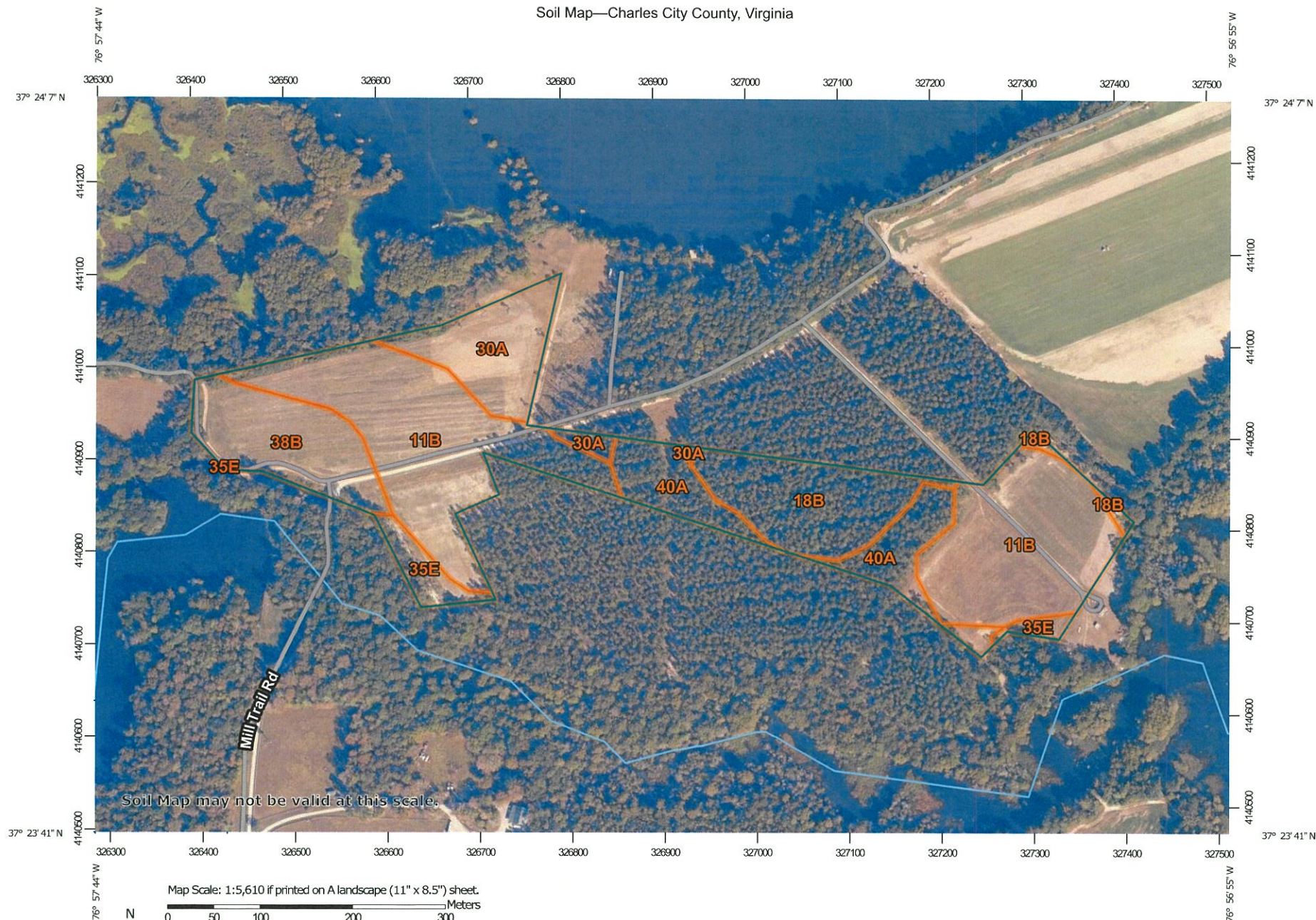
1

10/20/2023

10/20/2023

8/21/2023

Soil Map—Charles City County, Virginia



Map Scale: 1:5,610 if printed on A landscape (11" x 8.5") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

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




**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

Warning: Soil Map may not be valid at this scale.

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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)

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Survey Area Data: Version 15, Jun 3, 2020

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

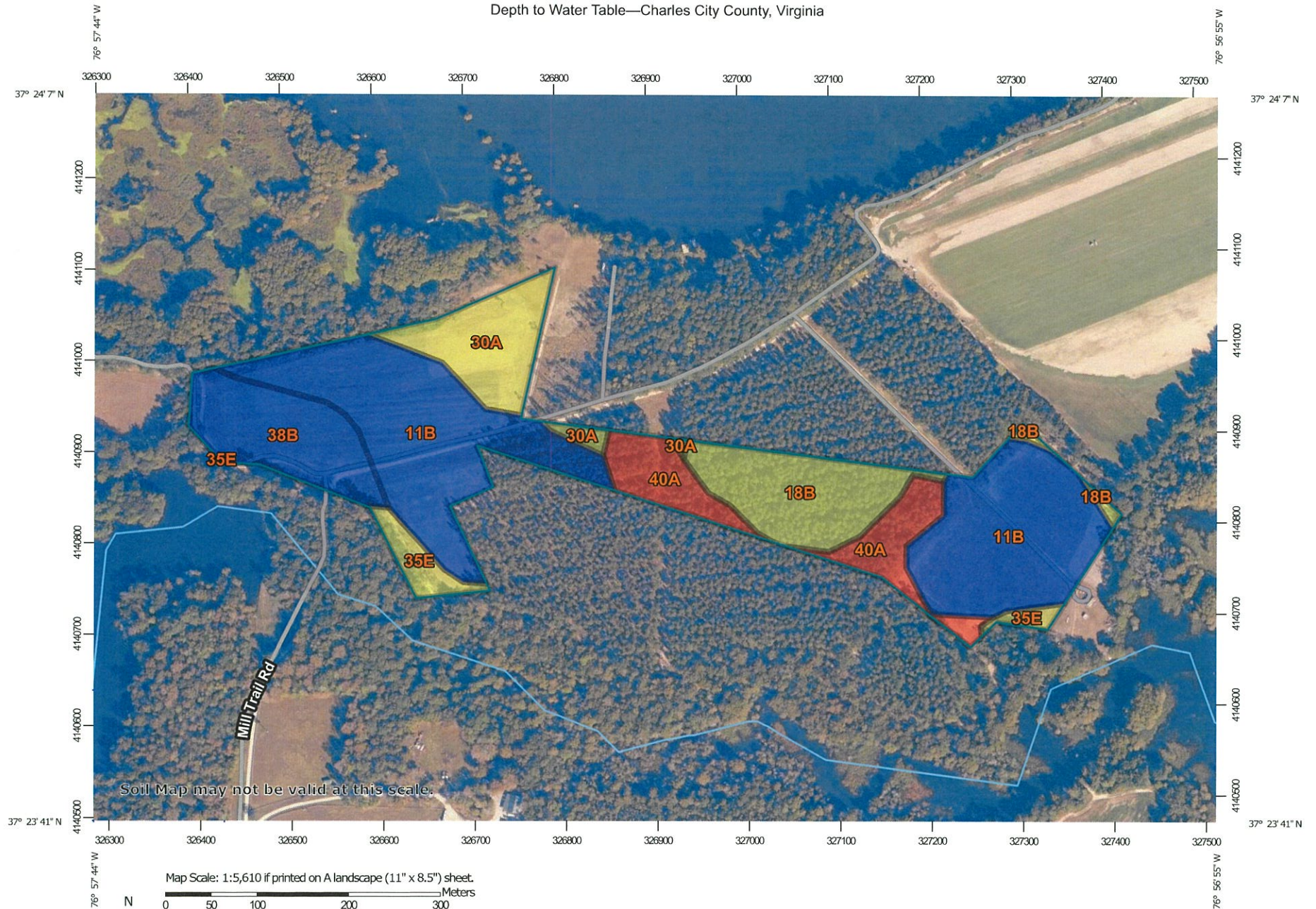
Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
11B	Conetoe loamy sand, 0 to 4 percent slopes	16.7	47.0%
18B	Dogue silt loam, 2 to 6 percent slopes	4.9	13.9%
30A	Munden loamy sand, 0 to 2 percent slopes	3.8	10.8%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	1.4	4.0%
38B	Pamunkey loam, 2 to 6 percent slopes	4.4	12.5%
40A	Roanoke silt loam, 0 to 2 percent slopes	4.2	11.9%
Totals for Area of Interest		35.5	100.0%

Depth to Water Table—Charles City County, Virginia

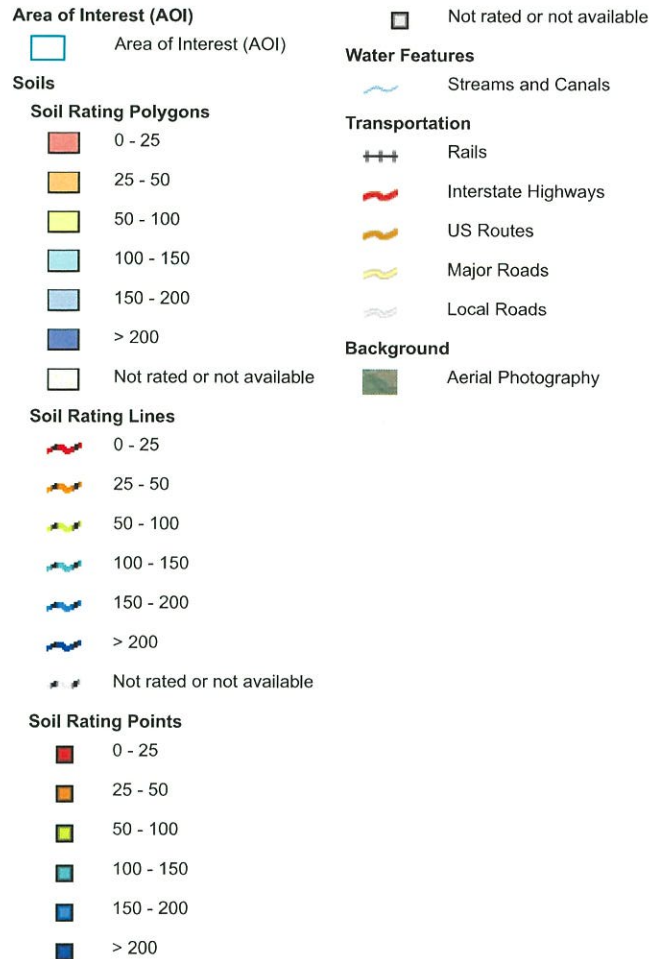


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/2/2021
Page 1 of 3

MAP LEGEND



MAP INFORMATION

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

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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)

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

Date(s) aerial images were photographed: Oct 11, 2019—Oct 15, 2019

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Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
11B	Conetoe loamy sand, 0 to 4 percent slopes	>200	16.7	47.0%
18B	Dogue silt loam, 2 to 6 percent slopes	61	4.9	13.9%
30A	Munden loamy sand, 0 to 2 percent slopes	61	3.8	10.8%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	1.4	4.0%
38B	Pamunkey loam, 2 to 6 percent slopes	>200	4.4	12.5%
40A	Roanoke silt loam, 0 to 2 percent slopes	15	4.2	11.9%
Totals for Area of Interest			35.5	100.0%

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December