

**NUTRIBLEND INC
CHARLES CITY
BLACK**

DEQ CONTROL NUMBER	SITE BOOK NAME	FIELD ID	GROSS ACRES	ADJUSTED GROSS ACRES	CHANGE + / -	LANDOWNER	TAX PARCEL	NOTES
51036-00173-0000	Black	718-2	4	2.6	-1.4	Minnie and Nancy Bates	8-14	Acreage correction
51036-00173-0000	Black	718-1B	1.4	1.4	0.0	Minnie and Nancy Bates	8-14	
51036-00173-0000	Black	718-1	18	16.0	-2.0	Minnie and Nancy Bates	8-14	Acreage correction
51036-00176-0000	Black	718-3	24	21.0	-3.0	Mark Black	8-6	Acreage correction
51036-00176-0000	Black	718-6	4.5	2.5	-2.0	Mark Black	8-6	Acreage correction
51036-00176-0000	Black	718-4	32.1	38.5	6.4	Mark Black; James Smith III	8-9; 8-5	
51036-00176-0000	Black	718-8	6	2.1	-3.9	Mark Black	8-6	Acreage correction
51036-00176-0000	Black	718-7	7	5.3	-1.7	Mark Black	8-6	Acreage correction
New Field	Black	718-9	8	8.0	0.0	Minnie and Nancy Bates	8-14	New Field
New Field	Black	718-10	20	20.0	0.0	Minnie and Nancy Bates	8-14	New Field
51036-00247-0000	Black	599-1	14	14.0	0.0	Mark Black	4-23	
51036-00247-0000	Black	599-2	12.5	12.5	0.0	Mark Black	4-23	
51036-00247-0000	Black	599-3	15	15.0	0.0	N.S. Farms LLC	8-71	
51036-00247-0000	Black	599-4	7	7.0	0.0	Jennifer and Aaron Black; Lisa Black	8-62; 8-48B	
51036-00247-0000	Black	599-5	5	5.0	0.0	Lisa Black	8-48B	
51036-00247-0000	Black	599-6A	40	30.0	-10.0	Lisa Black	8-48B	Split Field 6 (6A and 6B)
	Black	599-6B	0	10.0	10.0	Lisa Black	8-48B	Split Field 6 (6A and 6B)
51036-00247-0000	Black	599-7	50	50.0	0.0	N.S. Farms LLC	8-71	
51036-00247-0000	Black	599-8	148	112.7	-35.3	Lisa Black	8-48B	
51036-00247-0000	Black	599-9	134	134.0	0.0	Lisa Black; Jennifer & Aaron Black	8-48B, 8-47; 8-62	
New Field	Black	599-10	5	5.0	0.0	N.S. Farms LLC	8-71	New Field
51036-00238-0000	Black	1053-1	22.6	22.6	0.0	Renard and Cynthia Charity	25-63	
		TOTALS	578.1	535.2	-42.9			

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 3/18/19 between Aaron Black referred to here as "Landowner", and Nutri-Blend, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>8-62</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.


In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☐ Yes ☒ No ☐ Yes ☒ No ☐ Yes ☒ No

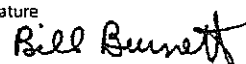
Printed name Aaron Black	Mailing Address <u>3000 Barnett's Rd</u> <u>Providence Forge VA</u>	Landowner Signature 
By: <u>"</u>	Phone No <u>804 241 5262</u>	
Title* <u>Owner - Co</u>		

*☐ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc
 *☐ I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.

Permittee:

Nutri-Blend, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Bill Burnett	Mailing Address <u>PO Box 38060</u> <u>Henrico, VA 23251</u>	Permittee Authorized Representative Signature 
Title <u>Office Manager</u>	Phone No. <u>804-222-7514</u>	

7/27/23

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri - Blend County or City: Charles City
Landowner: Aaron Black and Jennifer Black

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

AJ Black
Landowner's Signature

3/18/19
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 9-27-18 between Jennifer Black referred to here as "Landowner", and Nutri-Blend Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
062			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Jennifer A. C. Black
Landowner - Printed Name, Title

JAL Black
Signature

3000 Barnetts Rd Providence Forge
Mailing Address
VA 23140

Permittee:

Nutri-Blend Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Bill Burnett
Permittee - Authorized Representative
Printed Name

Bill Burnett
Signature

PO Box 38060
Richmond VA 23867
Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend Inc. County or City: Richmond, VA
Landowner: Jennifer A.C. Black

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

Aaron Black

Operator's Name

9-27-18

Date

804 241 5262

Contact Number

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 7/27/23 between Lisa Black referred to here as "Landowner", and Nutri-Blend Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
8-498			
8-47			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☐ Yes ☒ No ☐ Yes ☒ No

Printed name <u>Lisa Black</u>	Mailing Address <u>3000 Burnett Rd</u>	Landowner Signature <u>Lisa Black</u>
By:	<u>Providence Forge, VA 23140</u>	
Title*	Phone No. <u>804-547-8919</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Nutri-Blend, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Bill Burnett</u>	Mailing Address <u>P.O. Box 38060</u>	Permittee- Authorized Representative Signature <u>Bill Burnett</u>
Title <u>Office Manager</u>	<u>Henrico, VA 23231</u>	
	Phone No. <u>804-222-7514</u>	

7/27/23

NW

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend, Inc. County or City: Charles City
 Landowner: Lisa Black

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Lisa Black
 Landowner's Signature

7/27/23
 Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 9/30/18 between NS Farms LLC referred to here as "Landowner", and Nutri-Blend Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
8 71			
8 48A			
8 64			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

<u>U.S. Farms LLC</u>	<u>[Signature]</u>	<u>678 Old Union Rd</u>
Landowner - Printed Name, Title	Signature	Mailing Address

Permittee:

Nutri-Blend Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☒ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

<u>Bill Burnett</u>	<u>[Signature]</u>	<u>PO Box 38060</u>
<u>Nutri-Blend Inc</u>	<u>Bill Burnett</u>	<u>Richmond VA 23231</u>
Permittee - Authorized Representative Printed Name	Signature	Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend Inc.

County or City: Richmond, VA

Landowner: N.S. Farms LLC

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Operator's Name

Date

Contact Number

* Minnie Bates

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-9-22 between Minnie Bates referred to here as "Landowner", and Nutri-Blend referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1. Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>8-14</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement 6 (if any, applicable)

Check one ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids ☒ Yes ☐ No Water treatment residuals ☐ Yes ☒ No Food processing waste ☐ Yes ☒ No Other industrial sludges ☐ Yes ☒ No

Printed name <u>Minnie Bates</u>	Mailing Address <u>6340 Old Under Rd</u>	Landowner Signature <u>[Signature]</u>
By: <u>Charles E Bates</u>	<u>Charles City, VA</u>	
Title: <u>Co-owner</u>	Phone No: <u>804-829-2752</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by the title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Nutri-Blend, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VFA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-103.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Bill Burnett</u>	Mailing Address <u>PO Box 38040</u>	Permittee Authorized Representative Signature <u>[Signature]</u>
Title <u>Office Manager</u>	<u>Henrico VA 23181</u>	
	Phone No: <u>804-222-7514</u>	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend County or City: Charles City
Landowner: Minnie Bater

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Douglas E. Bate - POA
Landowner's Signature

2/9/22
Date

Minnie Bater

* Nancy Bates

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-16-22 between Nancy Bates referred to here as "Landowner", and Nutri-Bios referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1. Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
8-14			

I, the undersigned, being the owner of the property identified in Table 1, hereby authorize the Permittee to apply biosolids, water treatment residuals or other industrial sludges to the property identified in Table 1.

Check one ☐ The Landowner is the sole owner of the properties identified herein.
☒ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the application's public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B Biosolids ☒ Yes ☐ No Water treatment residuals ☐ Yes ☒ No Food processing waste ☐ Yes ☒ No Other industrial sludges ☐ Yes ☒ No

Printed name <u>Nancy Bates</u>	Mailing Address <u>7200 Old Union Rd</u> <u>Charles City, VA 23020</u>	Landowner Signature <u>Nancy Bates</u>
By: <u>Nancy Bates</u>	Phone No. <u>804 824 2253</u>	
Title: <u>Co-Owner</u>		
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title or as a Trustee or Power of Attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

Nutri-Bios, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Bill Burnett</u>	Mailing Address <u>PO Box 3806</u> <u>Henrico, VA 23221</u>	Permittee Authorized Representative Signature <u>Bill Burnett</u>
Title: <u>Office Manager</u>	Phone No. <u>804-222-7514</u>	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri - Blend County or City: Charlottesville
Landowner: Nancy Bates

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Date

Mark Black

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2-16-22 between Mark Black referred to here as "Landowner", and Nutri-Blend referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1. Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>8-9</u>			
<u>8-6</u>			
<u>4-23</u>			

☐ Additional parcels containing land application sites as listed on Supplier's list (when applicable)

Check one ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids ☒ Yes ☐ No Water treatment residuals ☐ Yes ☒ No Food processing waste ☐ Yes ☒ No Other industrial sludges ☐ Yes ☒ No

Printed name <u>Mark Black</u>	Mailing Address <u>6725 Old Union Rd</u>	Landowner Signature <u>Mark W Black</u>
By: <u>Mark Black</u>	<u>Charles City VA 23030</u>	
Title: <u>Owner</u>	Phone No: <u>804-543-4919</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated on this form as executor, Trustee or Power of attorney, etc.		
<input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipal, state or federal agency, etc.		

Permittee:

Nutri-Blend the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with 810.1-104.2 of the Code of Virginia. The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Bill Burnett</u>	Mailing Address <u>PO Box 38060</u>	Permittee Authorized Representative Signature <u>Bill Burnett</u>
Title <u>Office Manager</u>	<u>Manassas VA 23331</u>	
	Phone No: <u>804-222-7514</u>	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri - Blend County or City: Charles City
Landowner: Mark Black

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Mark W Black

2-16-22
Date

Mark Black

X James Smith

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 9-1-21 between James Smith III referred to here as "Landowner", and Nutri-Blend referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charter City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1. Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>8-5</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement 4 (check if applicable)

Check one: ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 36 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids ☒ Yes ☐ No Water treatment residuals ☐ Yes ☒ No Food processing waste ☐ Yes ☒ No Other industrial sludges ☐ Yes ☒ No

Printed name <u>James Smith</u>	Mailing Address <u>6721 Old Union Rd Charlottesville, VA 22903</u>	Landowner Signature <u>[Signature]</u>
By: <u>James Smith</u>	Phone No. <u>804-517-7162</u>	
Title: <u>owner</u>		

☒ I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.
☐ I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.

Permittee:

Nutri-Blend the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name <u>Bill Burnett</u>	Mailing Address <u>38060 PO Box Harrison, VA 22921</u>	Permittee Authorized Representative Signature <u>[Signature]</u>
Title: <u>Office Manager</u>	Phone No. <u>804-222-7514</u>	

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend County or City: Charles City
Landowner: James Smith

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days;
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare)

James Smith
Landowner's Signature

8/1/21
Date

James Smith

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 2/27/15 between Renard Charity referred to here as "Landowner", and Nutri-Blend, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Charles City, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>25-63</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids
☒ Yes ☐ No

Water treatment residuals
☒ Yes ☐ No

Food processing waste
☒ Yes ☐ No

Other industrial sludges
☐ Yes ☒ No

RENARD CHARITY
Landowner - Printed Name, Title

Cynthia McClellon
Permittee:

Renard Charity
Signature

1460 BATTERY HILL DRIVE
Mailing Address
HENRICO, VA 23231

Nutri-Blend, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Bill Burnett

Permittee - Authorized Representative
Printed Name

Bill Burnett
Signature

Nutri-Blend, Inc.
PO Box 38060
Henrico, VA 23231

Permittee: Nutri-Blend County or City: Charles City
 Landowner: Renard Charity & Cynthia McClemon

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Renard Charity Cynthia McClemon Charity 2/27/2015
 Landowner's Signature Date

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT
Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A *Land Application Agreement - Biosolids and Industrial Residuals* form with original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

This form is not required when Form D - VPA Permit Application Workbook, Tabs 13.a and/or 13.b, are submitted. The information on that form supersedes the need to complete this Landowner Coordination Form.

Permittee:

NUTRIBLEND INC SITE: Black

County or City:

Charles City

Please Print

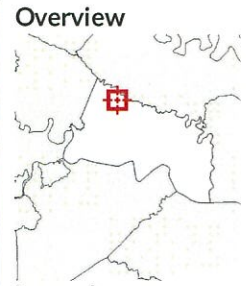
(Landowner signatures are not required on this

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
8-14	Minnie and Nancy Bates
8-6	Mark Black
8-9	Mark Black
8-5	James Smith III
8-62	Jennifer and Aaron Black
8-64	N.S. Farms LLC
8-71	N.S. Farms LLC
4-23	Mark Black
8-47	Lisa Black
8-48B	Lisa Black
25-63	Renard and Cynthia Charity

7/2777/23



Charles City County, VA



- Legend**
- Parcels
 - Parcel Numbers
 - Streams & Rivers
 - Water Bodies
 - Roads

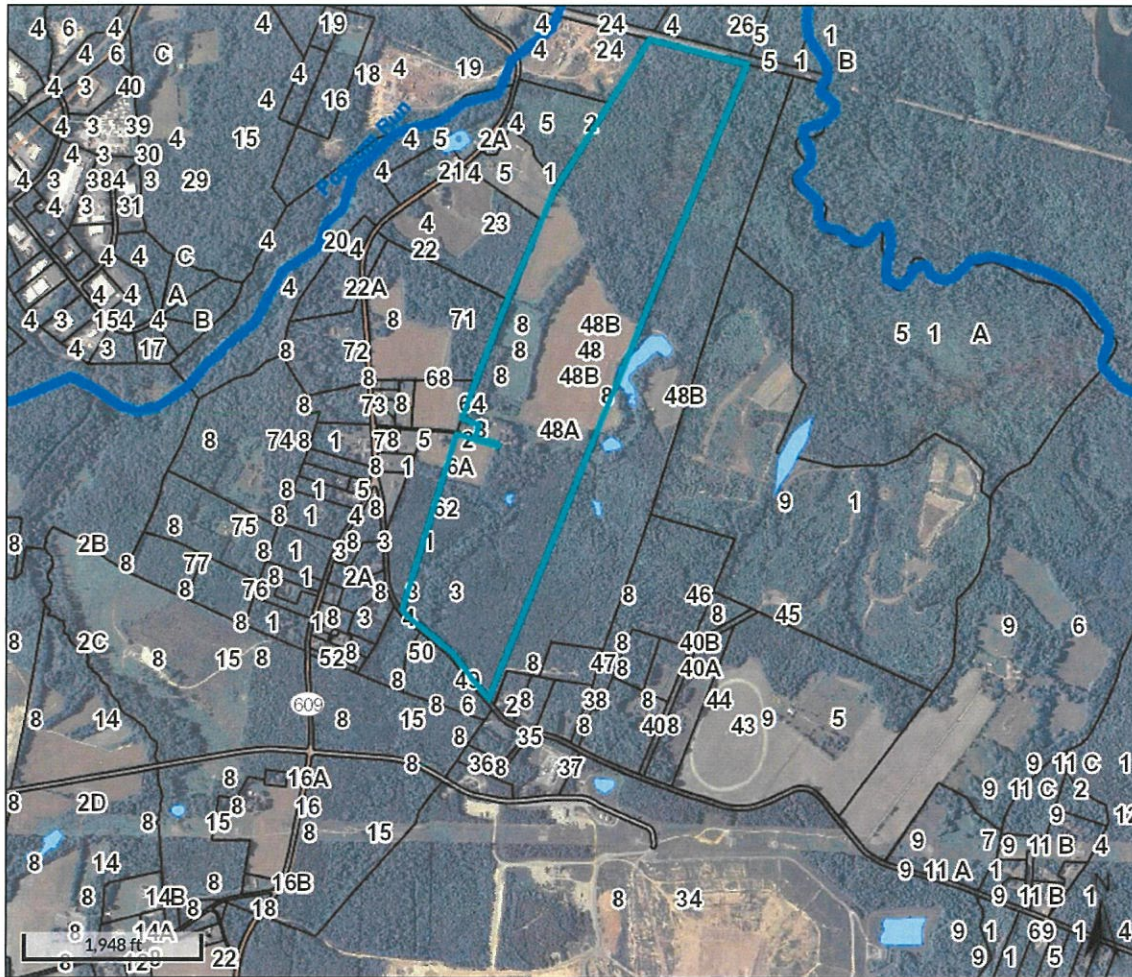
Parcel ID	8 47	Alternate ID	489	Owner Address	BLACK, LISA G. P O BOX 506 QUINTON VA 23141	Last 2 Sales			
Sec/Twp/Rng	n/a	Class	GARAGE/APT			Date	Price	Reason	Qual
Property Address	7920 W COOL HILL ROAD PROVIDENCE FORGE	Acreage	5			2/25/2010	0	n/a	U
						n/a	0	n/a	n/a

District HARRISON
 Brief Tax Description CHIMNEY HILL-RESIDUE PS#459,451,452,38 IN#9-540 WB28-196
 (Note: Not to be used on legal documents)

Date created: 6/2/2022
 Last Data Uploaded: 6/2/2022 2:33:16 AM

Developed by Schneider
 GEOSPATIAL

Tax Map



Overview



Legend

-  Parcels
-  Parcel Numbers
-  Streams & Rivers
-  Water Bodies
-  Roads

Parcel ID	8 48B	Alternate ID	492	Owner Address	BLACK, LISA G.	Last 2 Sales			
Sec/Twp/Rng	n/a	Class	VACANT		P O BOX 506	Date	Price	Reason	Qual
Property Address	0	Acreage	110.83		QUINTON VA 23141	2/25/2010	0	n/a	U
						n/a	0	n/a	n/a

District HARRISON
 Brief MT. AIRY PS#459,38 IN#9-540 DB95-85, WB28-196
 Tax Description

(Note: Not to be used on legal documents)

Date created: 6/2/2022
 Last Data Uploaded: 6/2/2022 2:33:16 AM

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Tax Map



Overview



Legend

-  Parcels
-  Parcel Numbers
-  Streams & Rivers
-  Water Bodies
-  Roads

Parcel ID 8 62 Alternate ID 506 Owner Address BLACK, JENNIFER ANN CARRUBA &
 Sec/Twp/Rng n/a Class DWELLING 6725 OLD UNION ROAD
 Property Address 0 Acreage 2.68 CHARLES CITY VA 23030

Last 2 Sales			
Date	Price	Reason	Qual
5/2/2016	0	n/a	U
n/a	0	n/a	n/a

District HARRISON
 Brief Tax Description PT. OF COOL HILL PS#527 IN15-981,7-35 WF7-88,17-249 DB94-31
 (Note: Not to be used on legal documents)

Aaron Black

Date created: 6/2/2022
 Last Data Uploaded: 6/2/2022 2:33:16 AM

Developed by  **Schneider**
 GEOSPATIAL

Tax Map



Overview



Legend

- Parcels
- Parcel Numbers
- Streams & Rivers
- Water Bodies
- Roads

Parcel ID	8 64	Alternate ID	508	Owner Address	MORGAN, DORIS PERRY (EXTRA NUMBER	Last 2 Sales			
Sec/Twp/Rng	n/a	Class	VACANT		IN 15-981-12/21/15.	Date	Price	Reason	Qual
Property Address	0	Acreage	6.81		119 PARKER FORK ROAD	11/8/2007	0	n/a	U
					CORAPEAKE, NC 27926	n/a	0	n/a	n/a

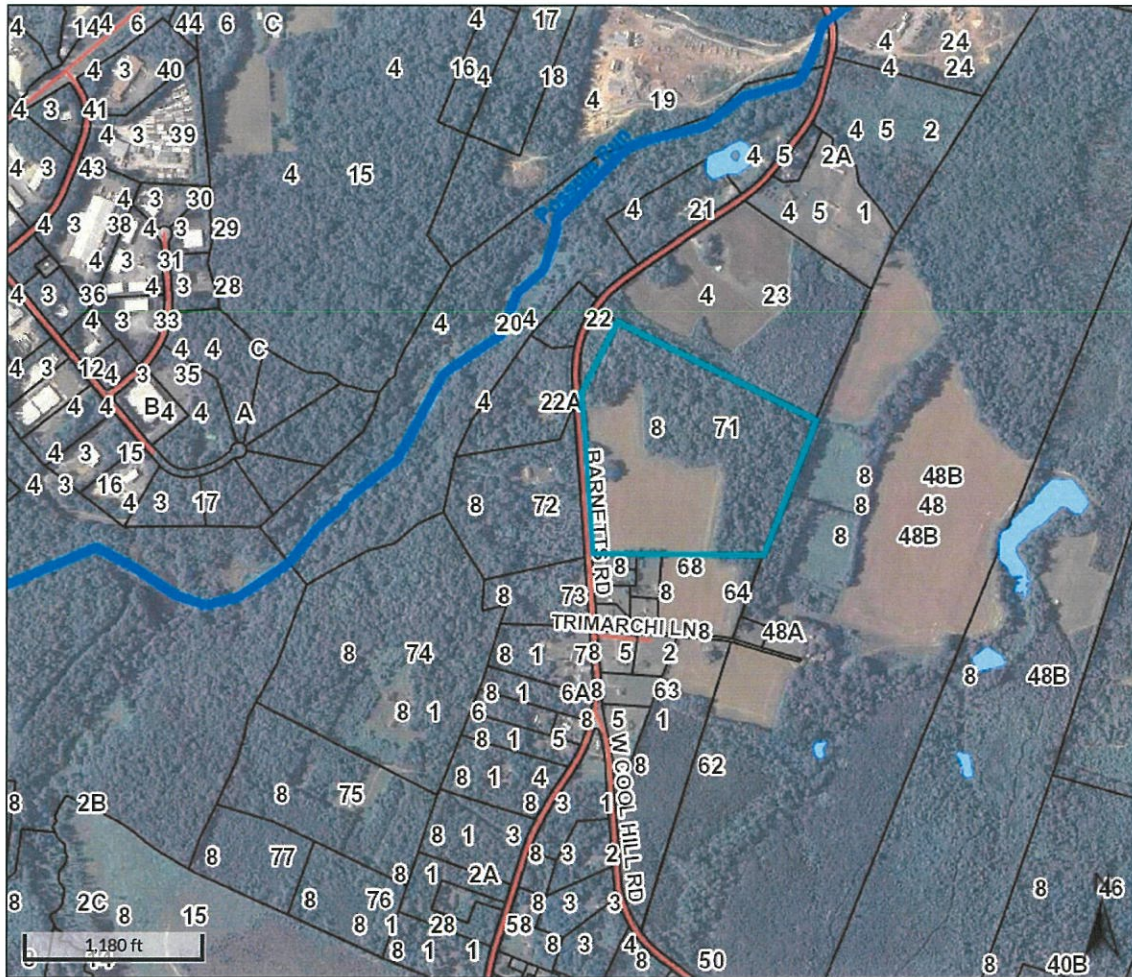
District HARRISON
 Brief Tax Description PT. OF COOL HILL INSTR. NO. 070000035 DB94-31
 (Note: Not to be used on legal documents)

Date created: 6/2/2022
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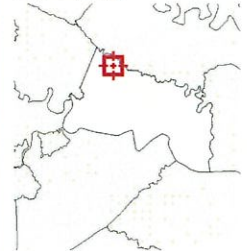
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N.S. Farms LLC
 6725 OLD UNUNUN RD
 Charles City VA 23030

Tax Map



Overview



Legend

-  Parcels
-  Parcel Numbers
-  Streams & Rivers
-  Water Bodies
-  Roads

Parcel ID 871 Alternate ID 516 Owner Address N.S. FARMS LLC
 Sec/Twp/Rng n/a Class VACANT 6725 OLD UNION ROAD
 Property Address 0 Acreage 116.92 CHARLES CITY VA 23030

Last 2 Sales
 Date Price Reason Qual
 12/21/2015 0 n/a U
 n/a 0 n/a n/a

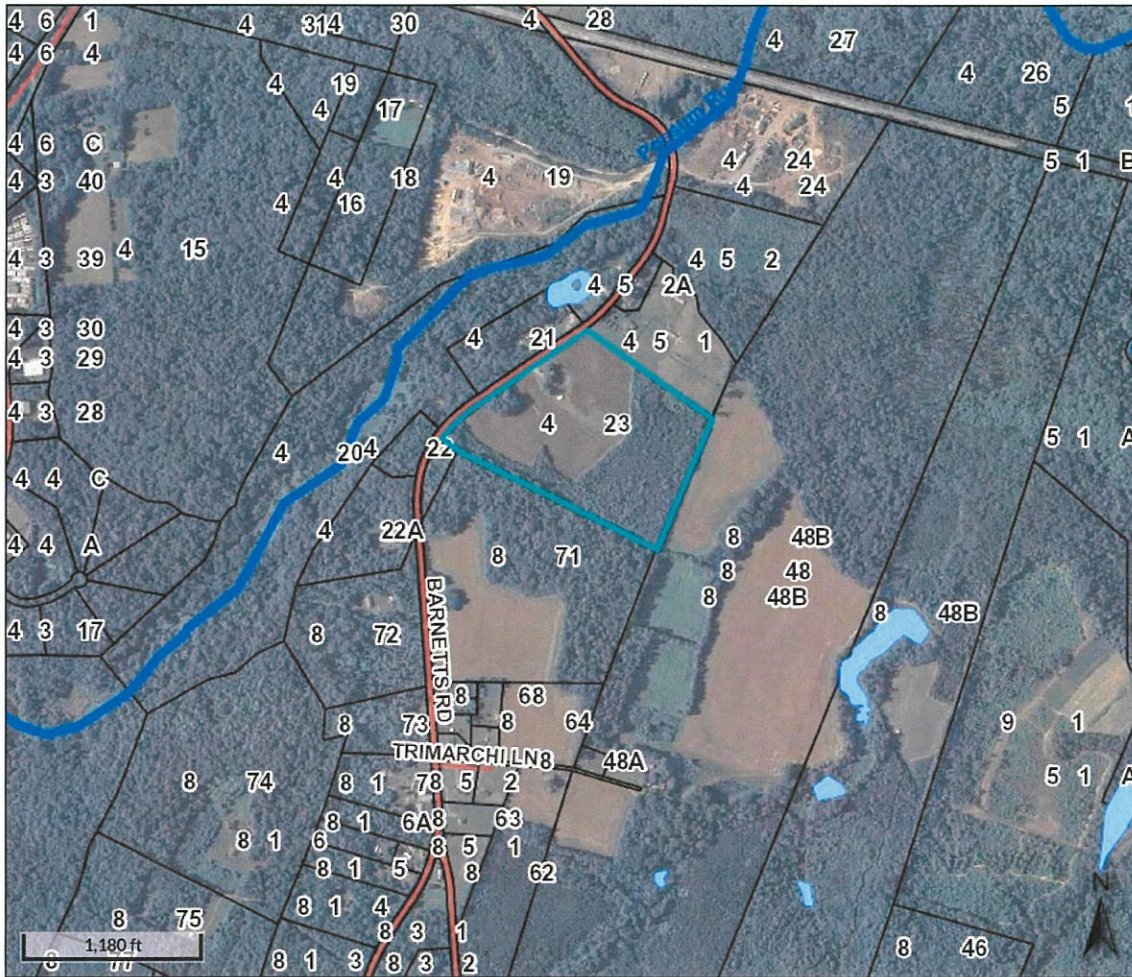
District HARRISON
 Brief
 Tax Description PT. OF COOL HILL PS#527,IN15-981, WF7-88 DB83-496,92-309,IN7-35

(Note: Not to be used on legal documents)

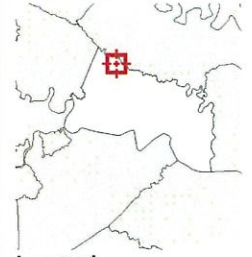
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 Last Data Uploaded: 6/2/2022 2:33:16 AM

Developed by  Schneider
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Tax Map



Overview



Legend

-  Parcels
-  Parcel Numbers
-  Streams & Rivers
-  Water Bodies
-  Roads

Parcel ID	4 23	Alternate ID	67	Owner Address	BLACK, MARK W. 2500 BARNETTS ROAD PROVIDENCE FORGE VA 23140	Last 2 Sales			
Sec/Twp/Rng	n/a	Class	DWELLING			Date	Price	Reason	Qual
Property Address	2500 BARNETTS ROAD PROVIDENCE FORGE	Acreage	25			6/18/2009	0	n/a	U
						n/a	0	n/a	n/a

District HARRISON

Brief Tax Description CHICKAHOMINY RIVER DB 77-63 WB 28-196

(Note: Not to be used on legal documents)

Date created: 6/2/2022

Last Data Uploaded: 6/2/2022 2:33:16 AM

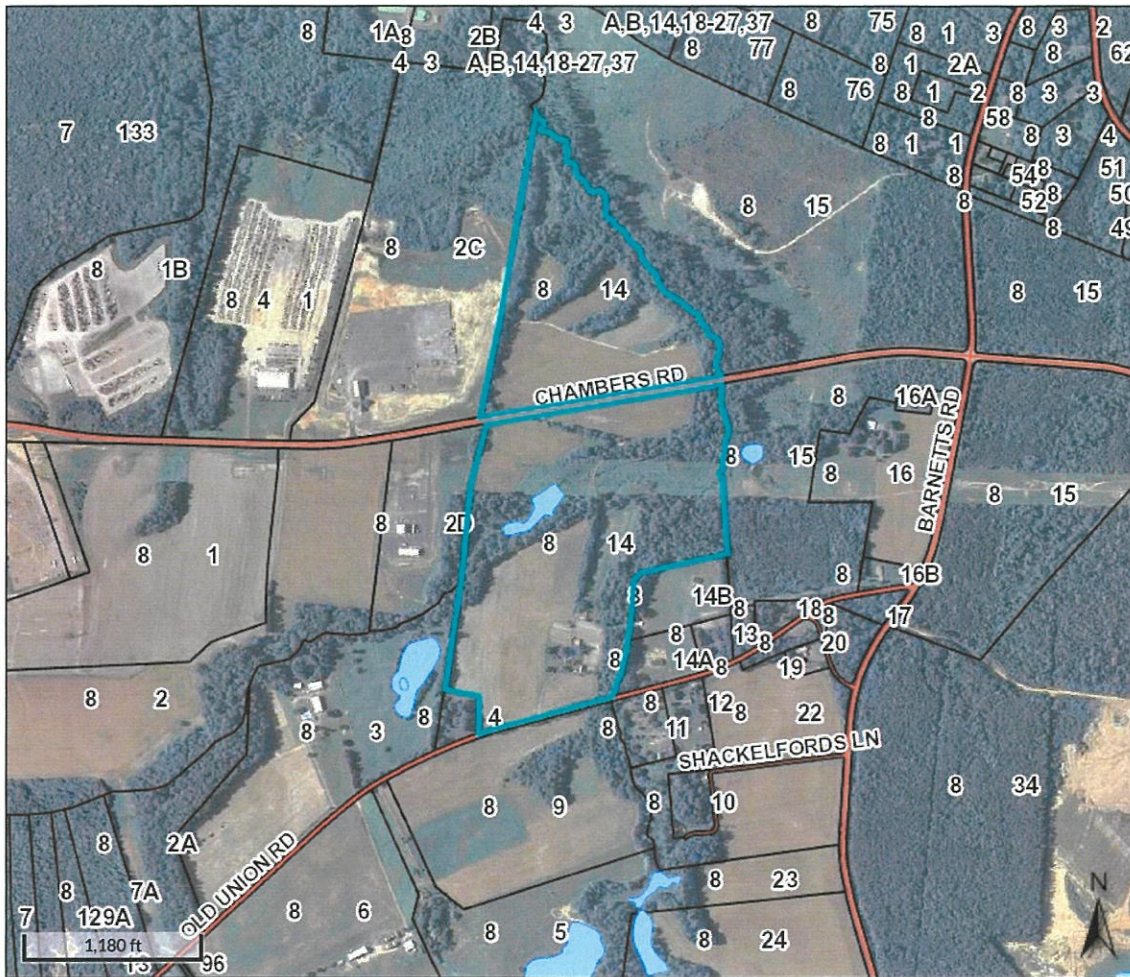
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Tax Map



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Charles City County, VA



Overview



Legend

- Parcels
- Parcel Numbers
- Streams & Rivers
- Water Bodies
- Roads

Parcel ID	8 14	Alternate ID	457	Owner Address	BATES, MINNIE T. & NANCY B.	Last 2 Sales			
Sec/Twp/Rng	n/a					Date	Price	Reason	Qual
Property Address	7000 OLD UNION ROAD	Class	DWELLING		6840 OLD UNION ROAD	8/5/2011	0	n/a	U
	CHARLES CITY	Acreage	116.14		CHARLES CITY, VA 23030	n/a	0	n/a	n/a

District HARRISON

Brief Tax Description GREEN MEADOW PS#473,443,PS#509 IN7-1486,DB54-646

(Note: Not to be used on legal documents)

Date created: 8/11/2021

Last Data Uploaded: 8/11/2021 2:40:33 AM

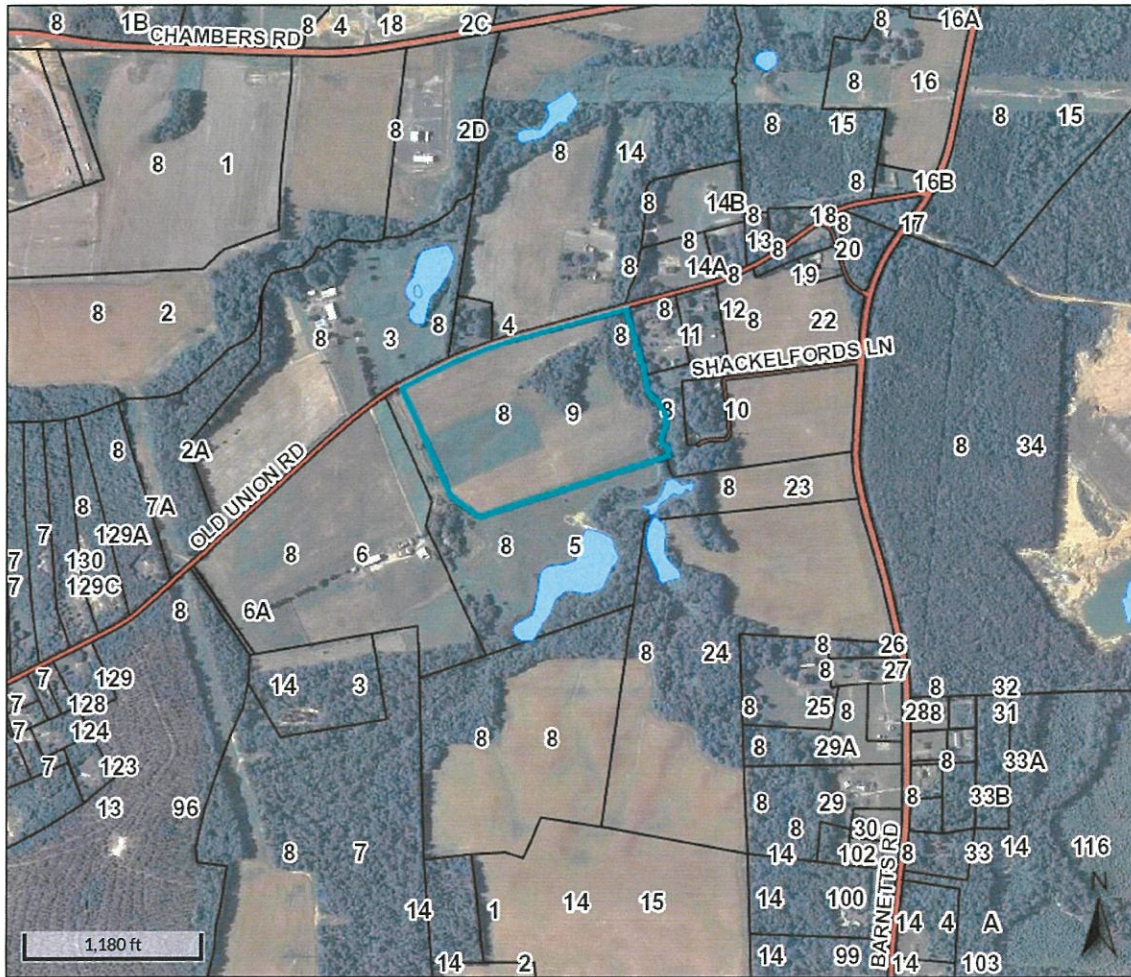
Developed by Schneider GEOSPATIAL

Tax Map

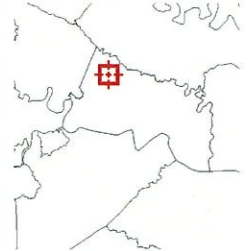


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Charles City County, VA



Overview



Legend

- Parcels
- Parcel Numbers
- Streams & Rivers
- Water Bodies
- Roads

Parcel ID 89 Alternate ID 452 Owner Address BLACK, MARK W.
Sec/Twp/Rng n/a Class VACANT 2500 BARNETT ROAD
Property Address 0 Acreage 16.27 PROVIDENCE FORGE VA 23140

Last 2 Sales
Date Price Reason Qual
1/1/1900 0 n/a U
n/a 0 n/a n/a

District HARRISON
Brief GREEN MEADOW DB60-360,61-483 PB5-127
Tax Description
(Note: Not to be used on legal documents)

Date created: 8/11/2021
Last Data Uploaded: 8/11/2021 2:40:33 AM

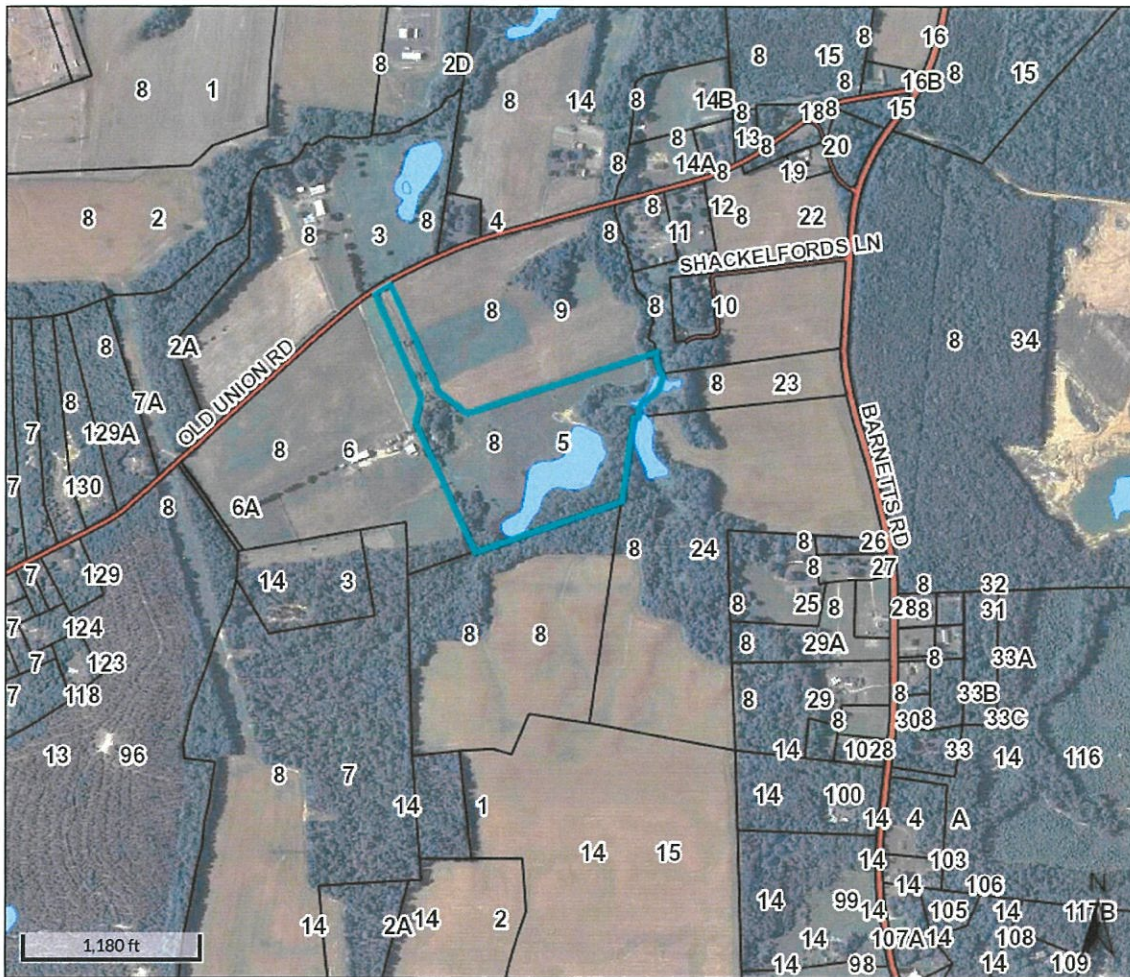
Developed by Schneider
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Tax Map



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Charles City County, VA



Overview



Legend

- Parcels
- Parcel Numbers
- Streams & Rivers
- Water Bodies
- Roads

Parcel ID	85	Alternate ID	448	Owner Address	SMITH, JAMES H. III 6721 OLD UNION ROAD CHARLES CITY VA 23030	Last 2 Sales			
Sec/Twp/Rng	n/a					Date	Price	Reason	Qual
Property Address	6721 OLD UNION ROAD CHARLES CITY	Class	DWELLING			4/29/2019	\$362000	n/a	U
District	HARRISON	Acreage	31.9			n/a	0	n/a	n/a
Brief	GREEN MEADOW PS#97 CWF11-15 IN#11-804 IN#12-112,12-355,16-627								
Tax Description	(Note: Not to be used on legal documents)								

Date created: 8/11/2021
Last Data Uploaded: 8/11/2021 2:40:33 AM

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Tax Map

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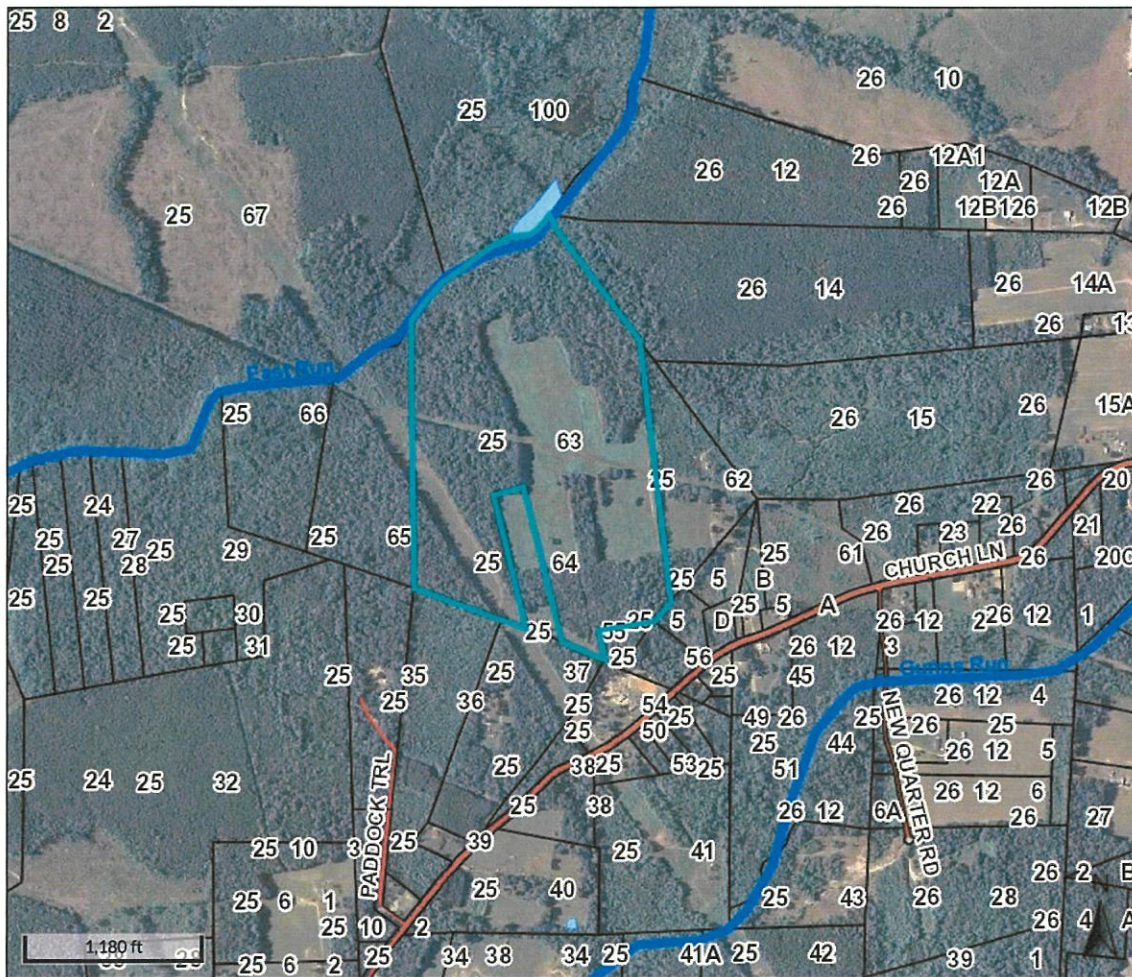
Tax Map

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Charles City County, VA



Overview



Legend

- Parcels
- Parcel Numbers
- Streams & Rivers
- Water Bodies
- Roads

Parcel ID	25 63	Alternate ID	1358	Owner Address	CHARITY, RENARD A. & CYNTHIA MCCLENNON	Last 2 Sales			
Sec/Twp/Rng	n/a	Class	VACANT		1460 BATTERY HILL DRIVE	Date	Price	Reason	Qual
Property Address	0	Acreage	75		RICHMOND, VA 23231	1/1/1900	0	n/a	U
						n/a	0	n/a	n/a
District	HARRISON								
Brief	HAYES DB 55-128								
Tax Description									

(Note: Not to be used on legal documents)

Date created: 9/21/2021
Last Data Uploaded: 9/21/2021 1:51:40 AM

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GEOSPATIAL

TAA Map



SITE BOOK INFORMATION

COUNTY:	Charles City -- VPA00828		
SITE BOOK NAME:	Mark Black		
TRACT NUMBERS:	T-718, T-599, T-1053		
LATITUDE / LONGITUDE:	see field data sheets	{Determined by Online Maps}	
LANDOWNER NAME:	see landowner coordination form		
OPERATORS NAME:	Mark Black		
ADDRESS:	2500 Barnetts Road Providence Forge, VA		
TELEPHONE #:			
GENERAL FARM TYPE:	Agriculture - Row Crop		

	DEQ CONTROL #	FIELD ID #	GROSS ACRES	TAX ID #
1				
2	51036-00173-0000	718-2	2.6	8-14
3	51036-00173-0000	718-1B	1.4	8-14
4	51036-00173-0000	718-1	16.0	8-14
5	51036-00176-0000	718-3	21.0	8-6
6	51036-00176-0000	718-6	2.5	8-6
7	51036-00176-0000	718-4	32.1	8-9
8				8-5
9	51036-00176-0000	718-8	2.1	8-6
10	51036-00176-0000	718-7	5.3	8-6
11	New Field	718-9	8.0	8-14
12	New Field	718-10	20.0	8-14
13				
14	51036-00247-0000	599-1	14	4-23
15	51036-00247-0000	599-2	12.5	4-23
	51036-00247-0000	599-3	15	8-71
	51036-00247-0000	599-4	7	8-62
				8-48B
	51036-00247-0000	599-5	5	8-48B
	51036-00247-0000	599-6A	30	8-48B
	Split old field 6	599-6B	10	8-48B
	51036-00247-0000	599-7	50	8-71
	51036-00247-0000	599-8	70	8-48B
	51036-00247-0000	599-9	134	8-48B, 8-47
				8-62
	New Field	599-10	5	8-71

DEQ CONTROL #	FIELD ID #	GROSS ACRES	TAX ID #
51036-00238-0000	1053-1	22.6	25-63
TOTAL GROSS ACRES		486.1	
TOTAL NUMBER OF FIELDS		22	



FIELD DATA SHEET

SITE NAME: **Black**

TRACT: **T-718, T-599, T-1053**

	FIELD #	GROSS ACRES	FIELD TYPE	FARM COORDINATES		OWNER
				LATITUDE	LONGITUDE	
1						
2	718-2	2.6	Row Crop	37.431	-77.148	Minnie and Nancy Bates
3	718-1B	1.4	Row Crop			Minnie and Nancy Bates
4	718-1	16.0	Row Crop			Minnie and Nancy Bates
5	718-3	21.0	Row Crop			Mark Black
6	718-6	2.5	Row Crop			Mark Black
7	718-4	32.1	Row Crop			Mark Black;
8						James Smith III
9	718-8	2.1	Row Crop			Mark Black
10	718-7	5.3	Row Crop			Mark Black
11						
12	718-9	8.0	Row Crop			Minnie and Nancy Bates
13	718-10	20.0	Row Crop			Minnie and Nancy Bates
14						
15	599-1	14	Row Crop	37.451	-77.133	Mark Black
	599-2	12.5	Row Crop			Mark Black
	599-3	15	Row Crop			N.S. Farms LLC
	599-4	7	Row Crop			Jennifer and Aaron Black;
						Lisa Black
	599-5	5	Row Crop			Lisa Black
	599-6A	30	Row Crop			Lisa Black
	599-6B	10	Row Crop			Lisa Black
	599-7	50	Row Crop			N.S. Farms LLC
	599-8	70	Silviculture			Lisa Black
	599-9	134	Silviculture			Lisa Black;
						Jennifer and Aaron Black
	599-10	5	Row Crop			N.S. Farms LLC
	1053-1	22.6	Row Crop	37.378	-77.129	Renard and Cynthia Charity
	TOTAL	486.1				

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

Rock Outcrop 50 ft Buffer

Slope 15% Max

Sink Hole 100 ft Buffer

Intermittant Stream Refer tp Water and PWS setbacks

House/Well 200 ft Buffer

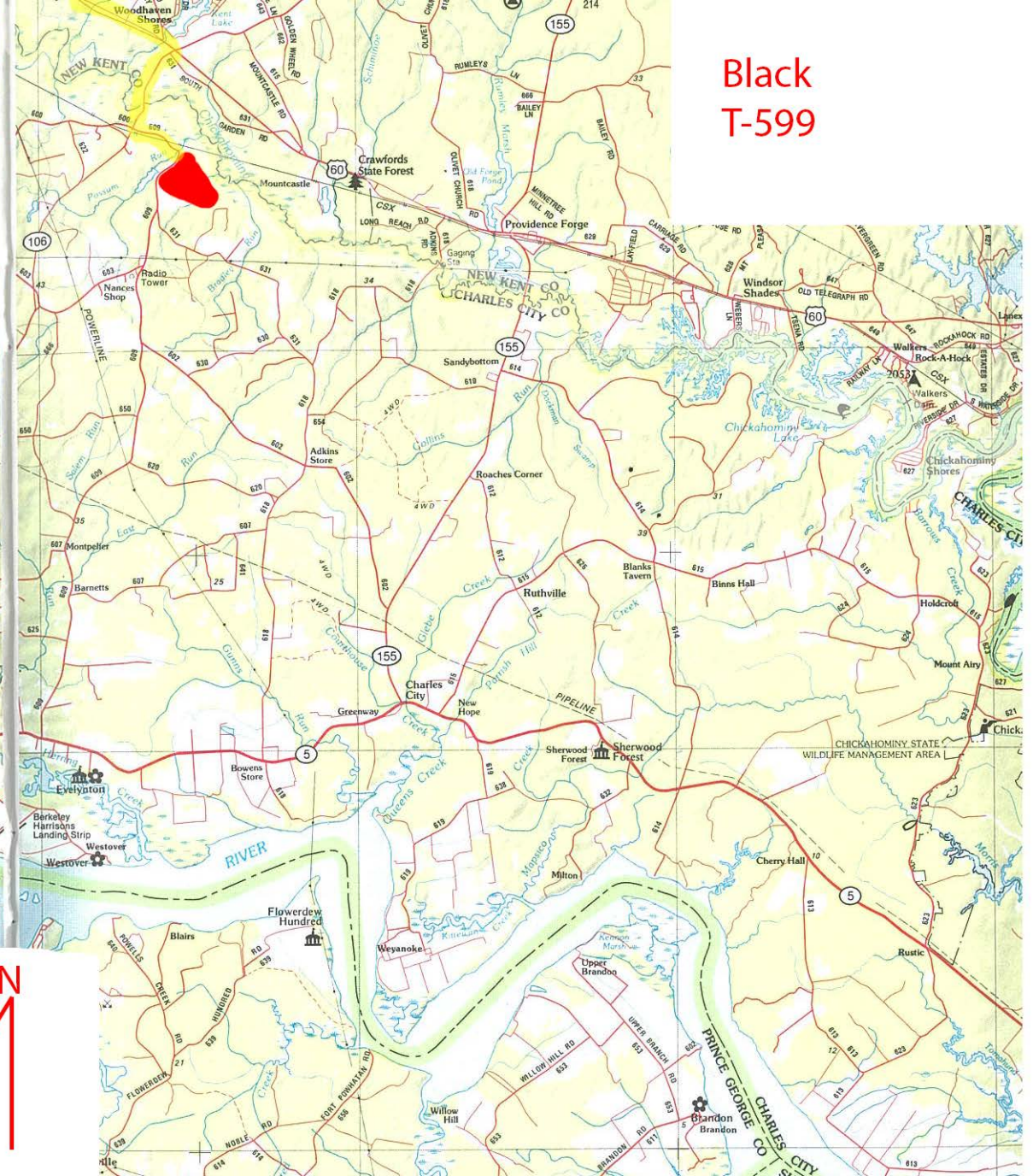
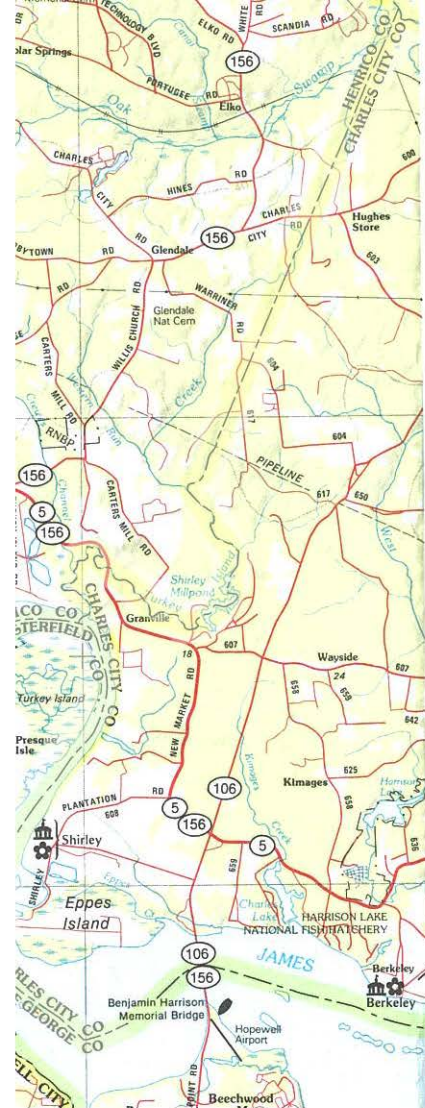
Publicly Accessible Site 200 ft from Property Line
400 ft from PAS

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

Cemetery



Black
T-599

Road Map

Haul Route

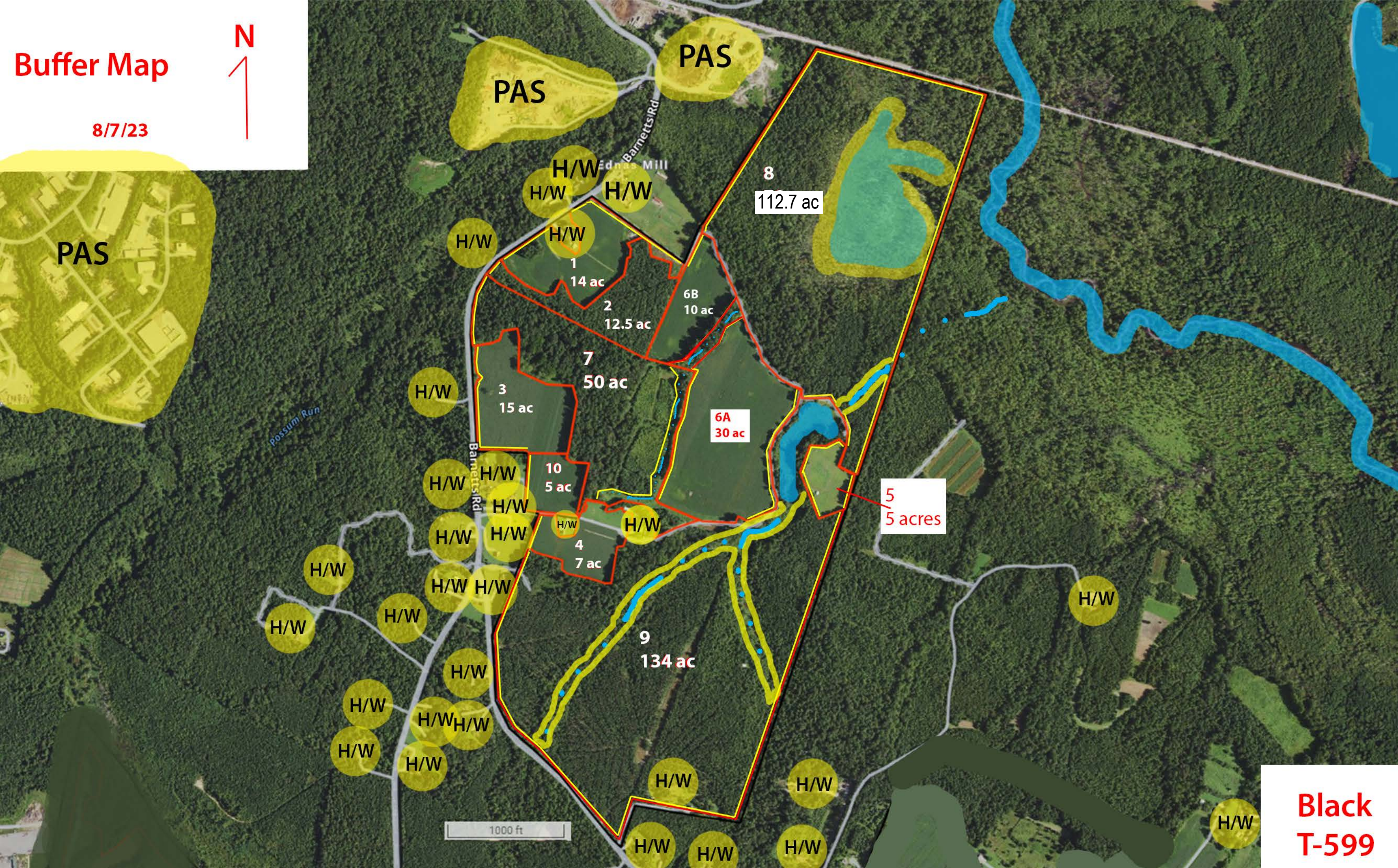
1"=1 mile

7/13/23



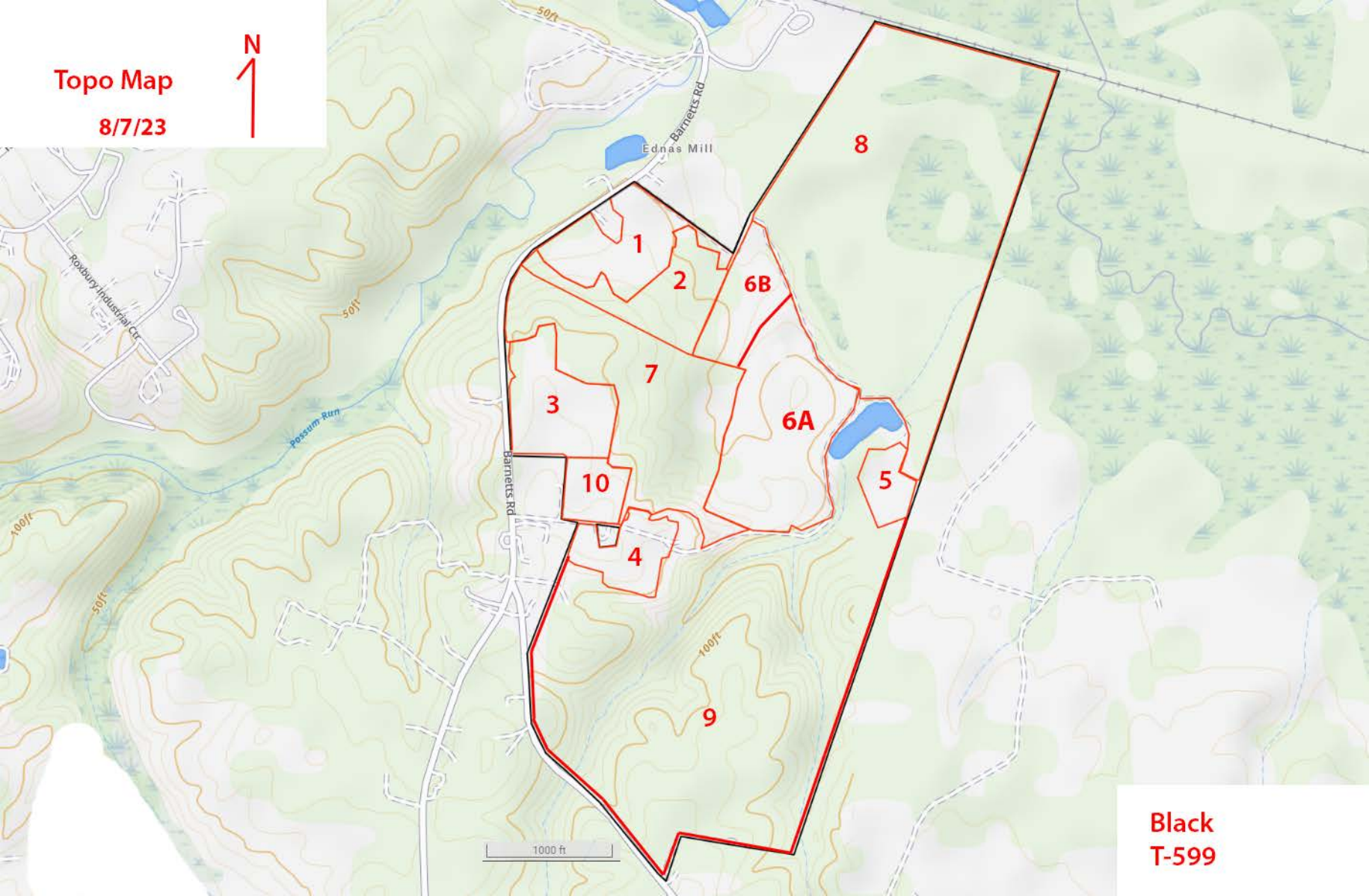
Buffer Map

8/7/23



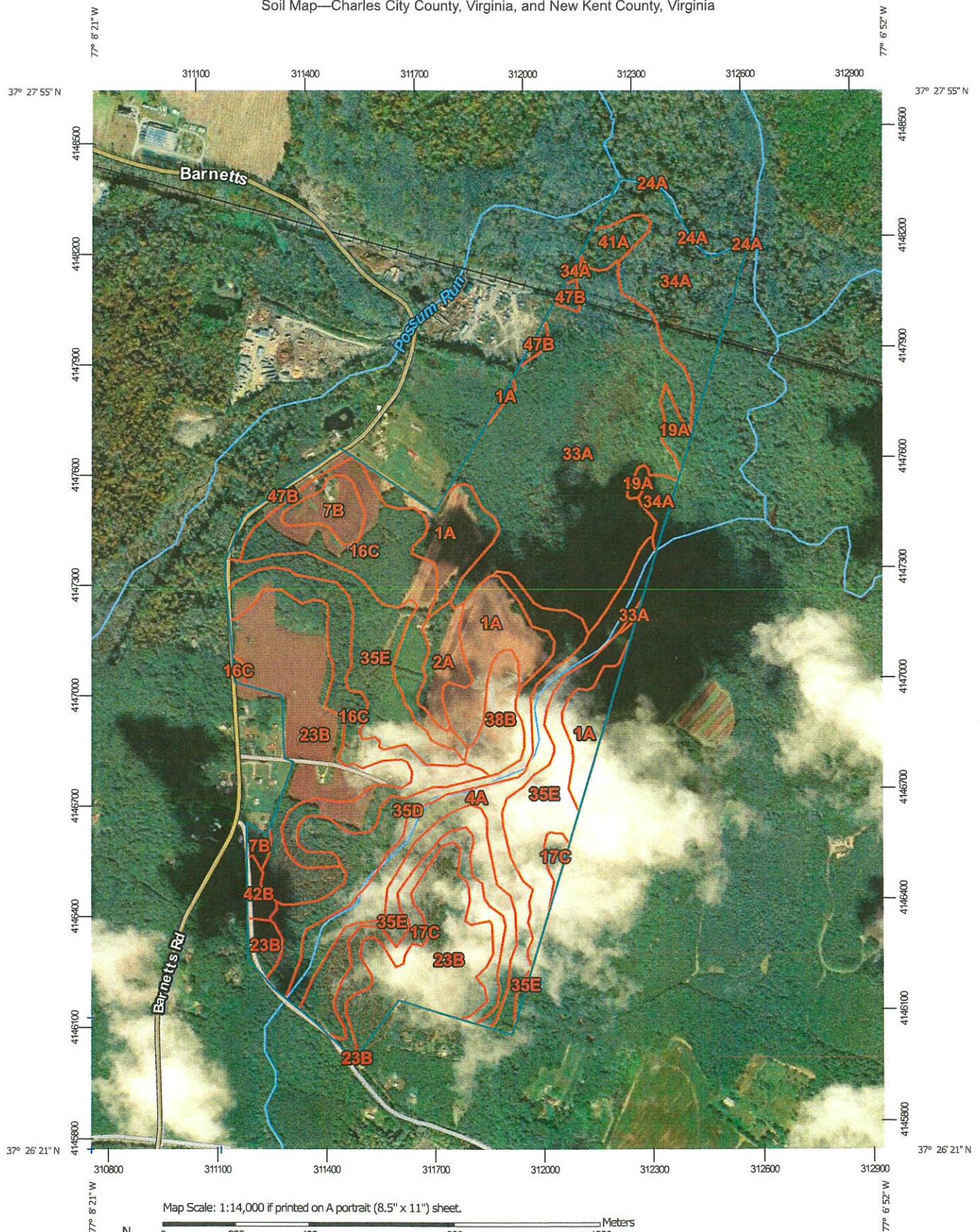
Black
T-599

Topo Map
8/7/23



Black
T-599

Soil Map—Charles City County, Virginia, and New Kent County, Virginia




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

1/30/2019
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 scales ranging from 1:15,800 to 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: Charles City County, Virginia
Survey Area Data: Version 13, Aug 28, 2018

Soil Survey Area: New Kent County, Virginia
Survey Area Data: Version 11, Aug 28, 2018

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

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

Date(s) aerial images were photographed: Apr 11, 2015—Oct 27, 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.

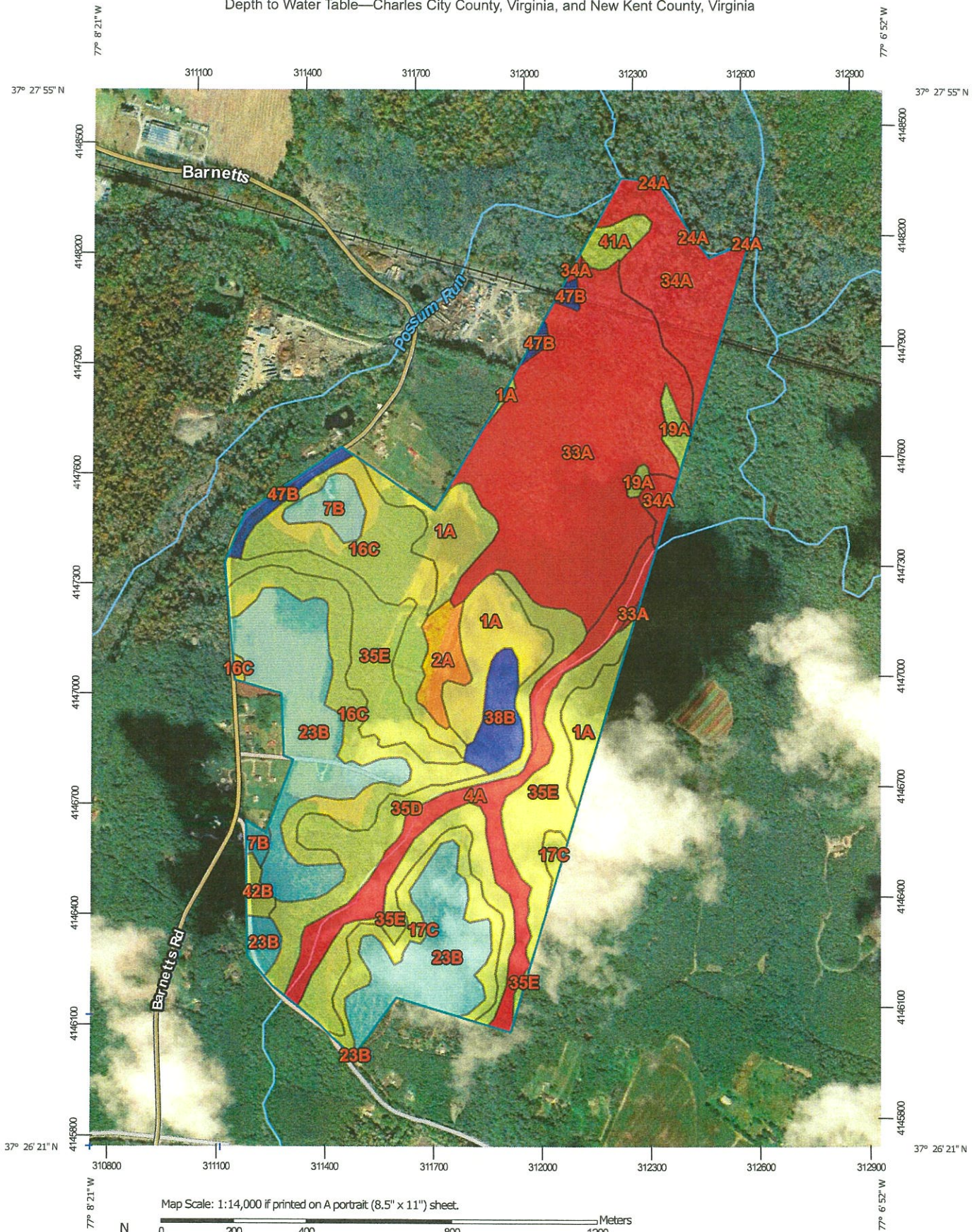
7/27/23

Map Unit Legend

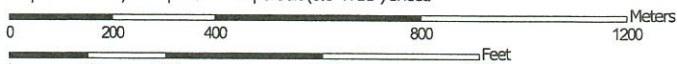
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1A	Altavista fine sandy loam, 0 to 3 percent slopes	35.1	8.0%
2A	Augusta sandy loam, 0 to 2 percent slopes	7.1	1.6%
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	29.7	6.8%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	7.3	1.7%
16C	Craven-Remlik complex, 6 to 10 percent slopes	52.5	12.0%
17C	Craven-Uchee complex, 6 to 10 percent slopes	15.0	3.4%
19A	Dragston fine sandy loam, 0 to 2 percent slopes	3.1	0.7%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	65.4	15.0%
33A	Nawney silt loam, 0 to 2 percent slopes, frequently flooded	91.8	21.0%
34A	Nawney silt loam, 0 to 2 percent slopes, ponded	29.7	6.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	24.2	5.5%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	55.3	12.7%
38B	Pamunkey loam, 2 to 6 percent slopes	8.3	1.9%
41A	Seabrook loamy sand, 0 to 2 percent slopes	4.1	1.0%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	2.2	0.5%
47B	Udorthents, loamy, gently sloping	5.6	1.3%
Subtotals for Soil Survey Area		436.5	100.0%
Totals for Area of Interest		436.5	100.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
24A	Nawney silt loam, 0 to 2 percent slopes, frequently flooded	0.1	0.0%
Subtotals for Soil Survey Area		0.1	0.0%
Totals for Area of Interest		436.5	100.0%

Depth to Water Table—Charles City County, Virginia, and New Kent County, Virginia



Map Scale: 1:14,000 if printed on A portrait (8.5" x 11") 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

1/30/2019
Page 1 of 4

MAP LEGEND

Area of Interest (AOI)	 Not rated or not available
 Area of Interest (AOI)	Water Features
Soils	 Streams and Canals
Soil Rating Polygons	Transportation
 0 - 25	 Rails
 25 - 50	 Interstate Highways
 50 - 100	 US Routes
 100 - 150	 Major Roads
 150 - 200	 Local Roads
 > 200	Background
 Not rated or not available	 Aerial Photography
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	

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:15,800 to 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.

Soi Survey Area: Charles City County, Virginia

Survey Area Data: Version 13, Aug 28, 2018

Soi Survey Area: New Kent County, Virginia

Survey Area Data: Version 11, Aug 28, 2018

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

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

Date(s) aerial images were photographed: Apr 11, 2015—Oct 27, 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.

Depth to Water Table

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
1A	Altavista fine sandy loam, 0 to 3 percent slopes	61	35.1	8.0%
2A	Augusta sandy loam, 0 to 2 percent slopes	46	7.1	1.6%
4A	Bibb fine sandy loam, 0 to 2 percent slopes, frequently flooded	23	29.7	6.8%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	130	7.3	1.7%
10C	Craven-Remlik complex, 6 to 10 percent slopes	70	52.5	12.0%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	15.0	3.4%
19A	Dragston fine sandy loam, 0 to 2 percent slopes	53	3.1	0.7%
23B	Emporia-Kempsville complex, 2 to 6 percent slopes	107	65.4	15.0%
33A	Nawney silt loam, 0 to 2 percent slopes, frequently flooded	0	91.8	21.0%
34A	Nawney silt loam, 0 to 2 percent slopes, ponded	0	29.7	6.8%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	24.2	5.5%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	55.3	12.7%
38B	Pamunkey loam, 2 to 6 percent slopes	>200	8.3	1.9%
41A	Seabrook loamy sand, 0 to 2 percent slopes	76	4.1	1.0%
42B	Stagle fine sandy loam, 0 to 4 percent slopes	61	2.2	0.5%
47B	Udorthents, loamy, gently sloping	>200	5.6	1.3%
Subtotals for Soil Survey Area			436.5	100.0%
Totals for Area of Interest			436.5	100.0%

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
24A	Nawney silt loam, 0 to 2 percent slopes, frequently flooded	8	0.1	0.0%
Subtotals for Soil Survey Area			0.1	0.0%
Totals for Area of Interest			436.5	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

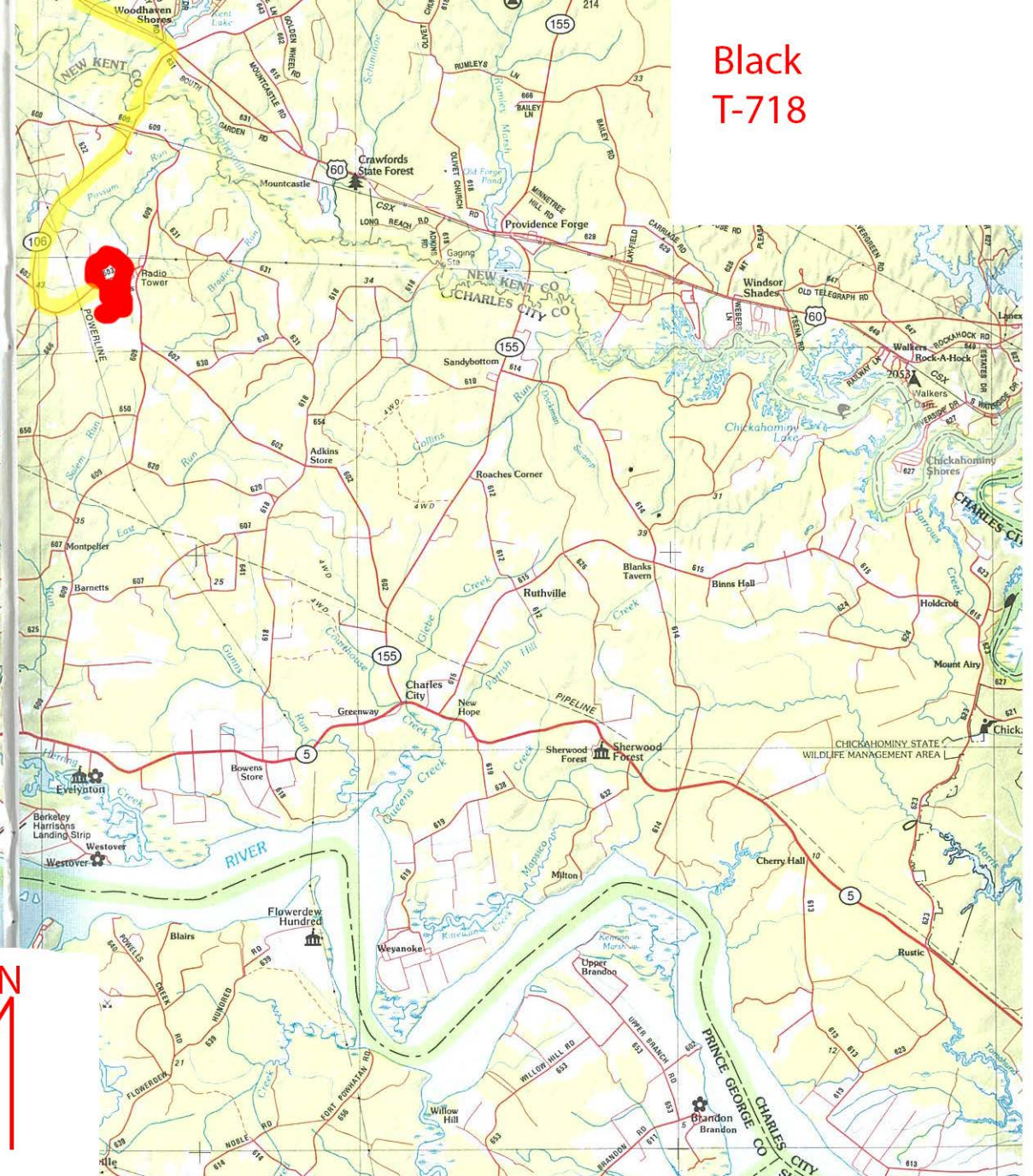
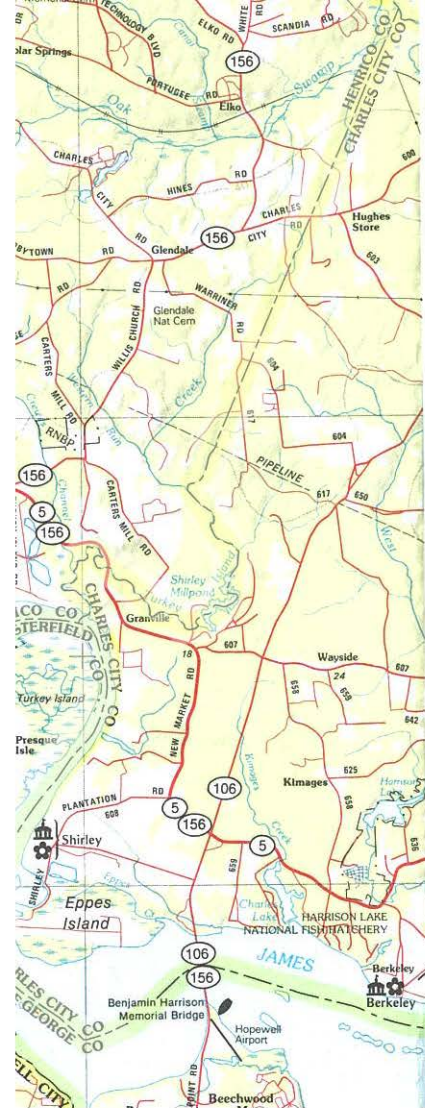
Ending Month: December



FIELD DATA SHEET

SITE NAME: Black TRACT: T-599

	FIELD #	GROSS ACRES	FIELD TYPE	FARM COORDINATES	
				LATITUDE	LONGITUDE
1	599-1	14	Row Crop	37.451	-77.133
2	599-2	12.5	Row Crop	37.451	-77.133
3	599-3	15	Row Crop	37.451	-77.133
4	599-4	7	Row Crop	37.451	-77.133
5	599-5	5	Row Crop	37.451	-77.133
6	599-6A	30	Row Crop	37.451	-77.133
7	599-6B	10	Row Crop	37.451	-77.133
8	599-7	50	Row Crop	37.451	-77.133
9	599-8	112.7	Silviculture	37.451	-77.133
10	599-9	134	Silviculture	37.451	-77.133
11	599-10	5	Row Crop	37.451	-77.133
	TOTAL	395.2			



Black
T-718

Road Map

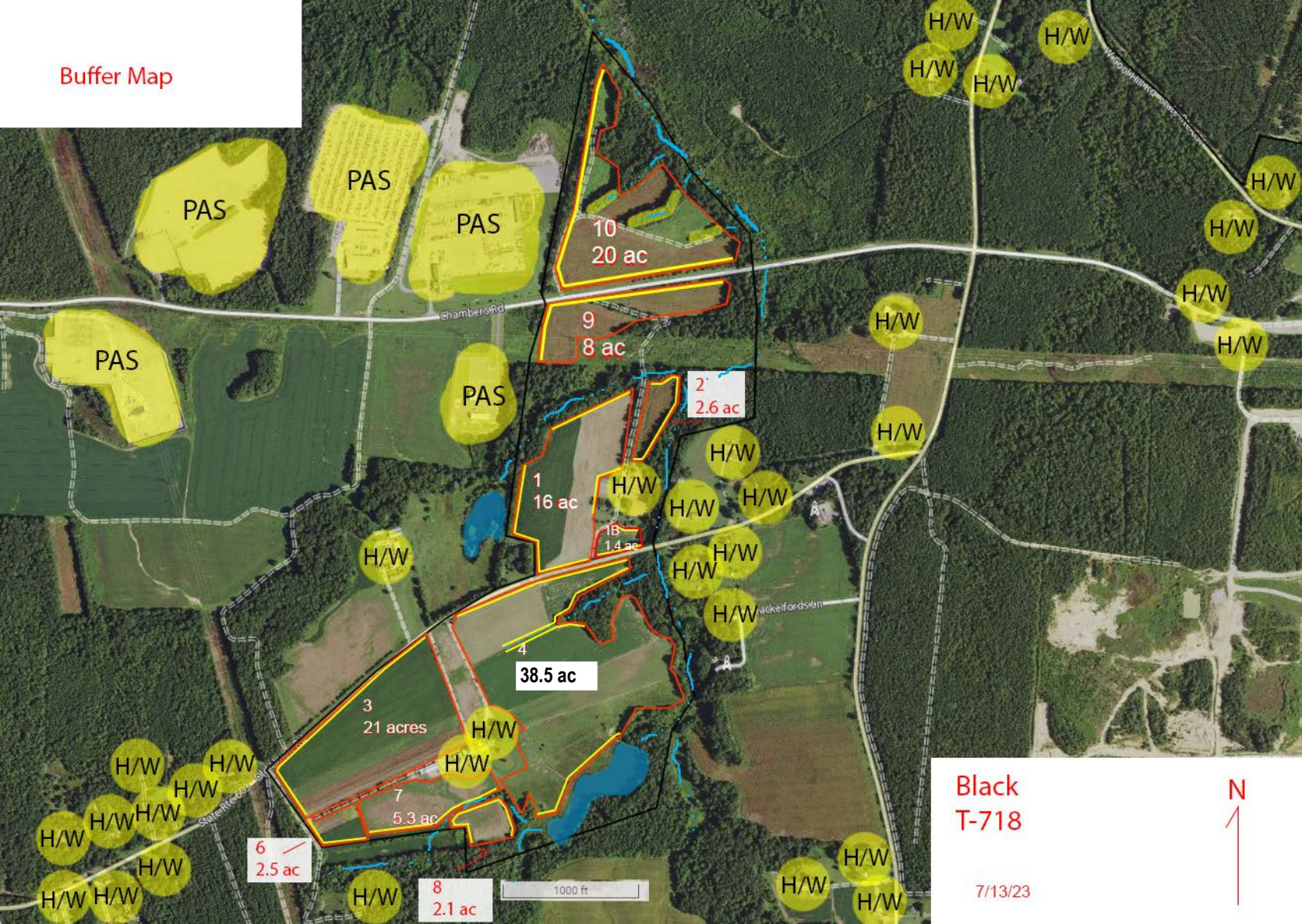
Haul Route



1"=1 mile

7/13/23

Buffer Map

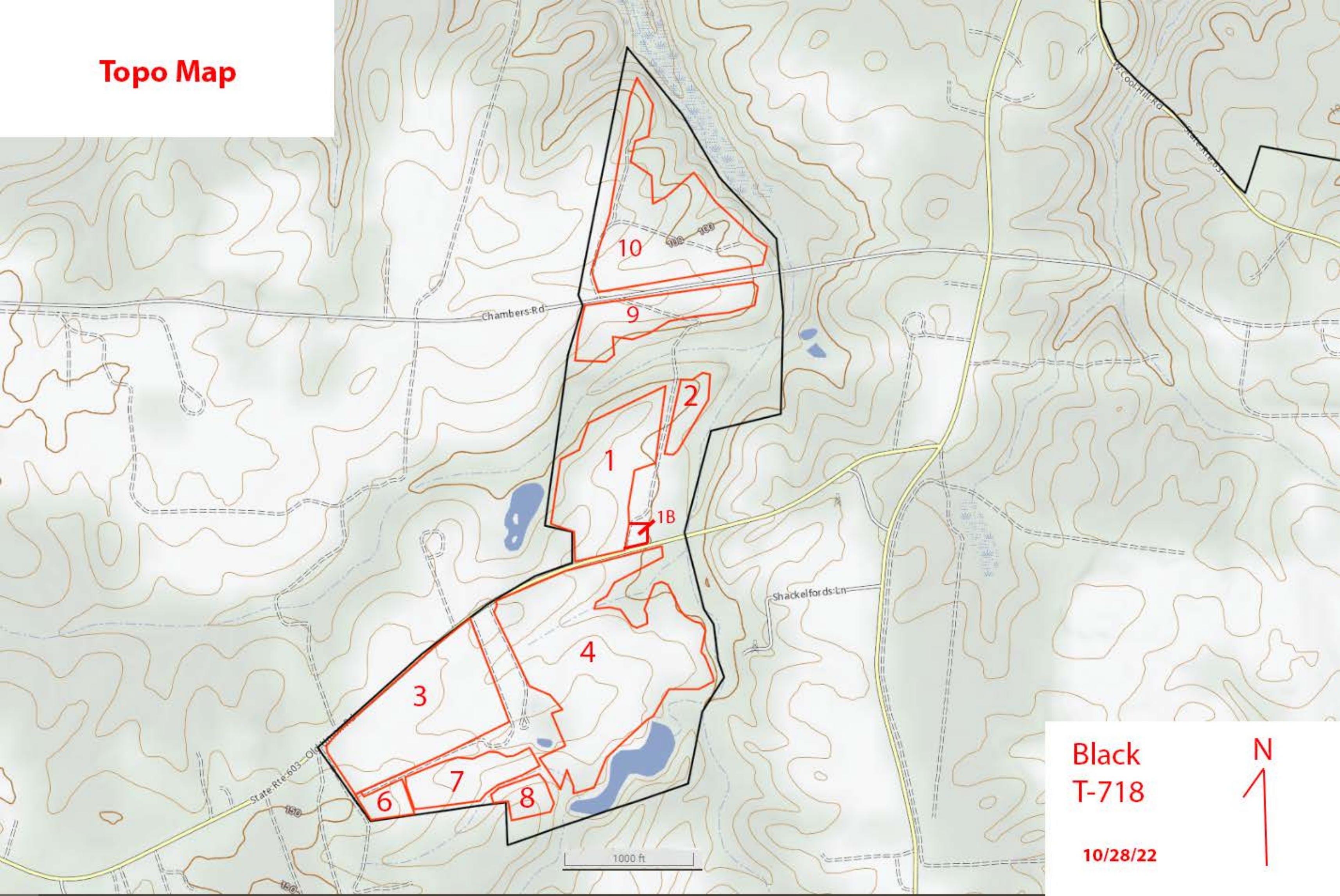


Black
T-718

7/13/23



Topo Map

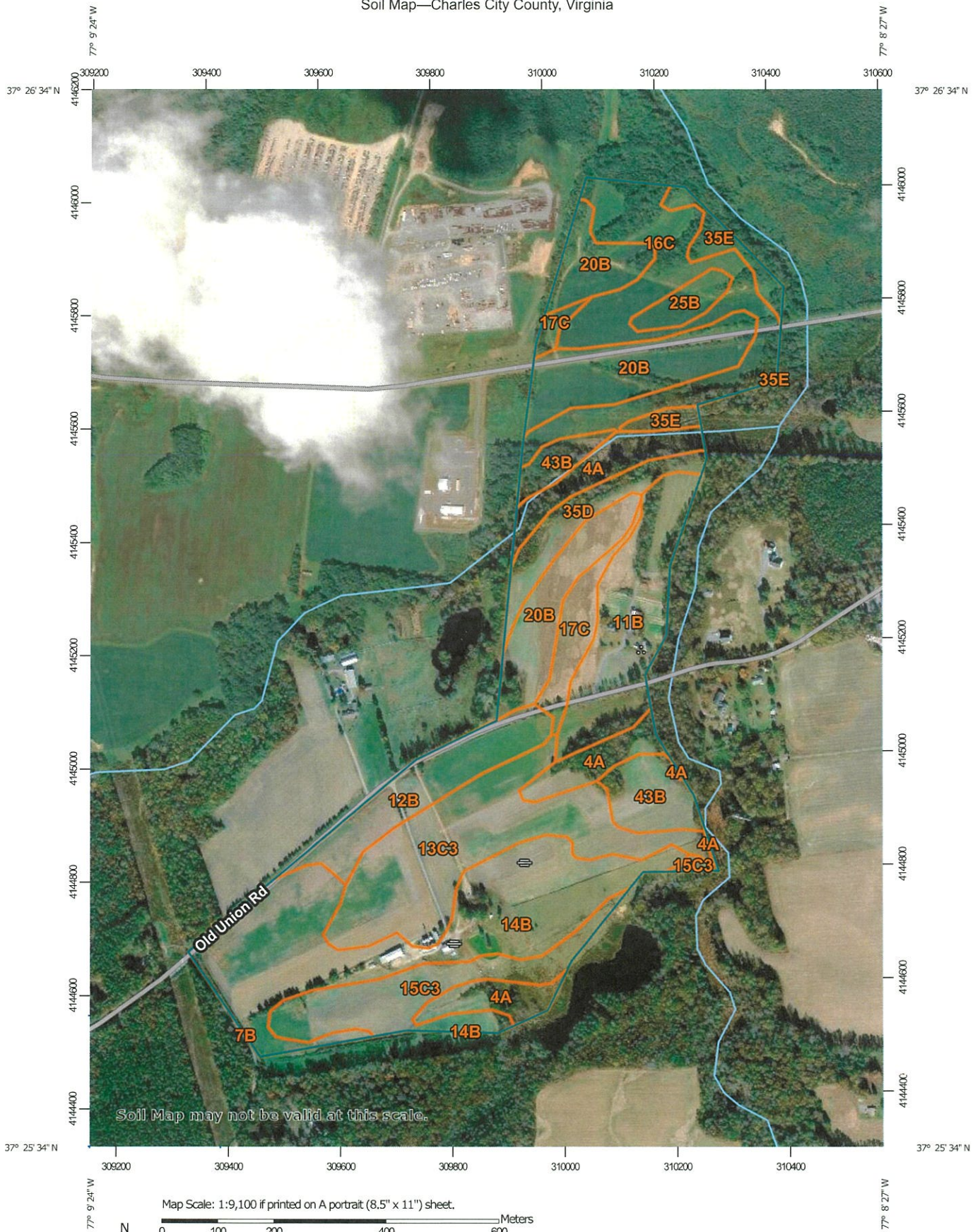


Black
T-718

10/28/22



Soil Map—Charles City County, Virginia




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/11/2021
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.

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.

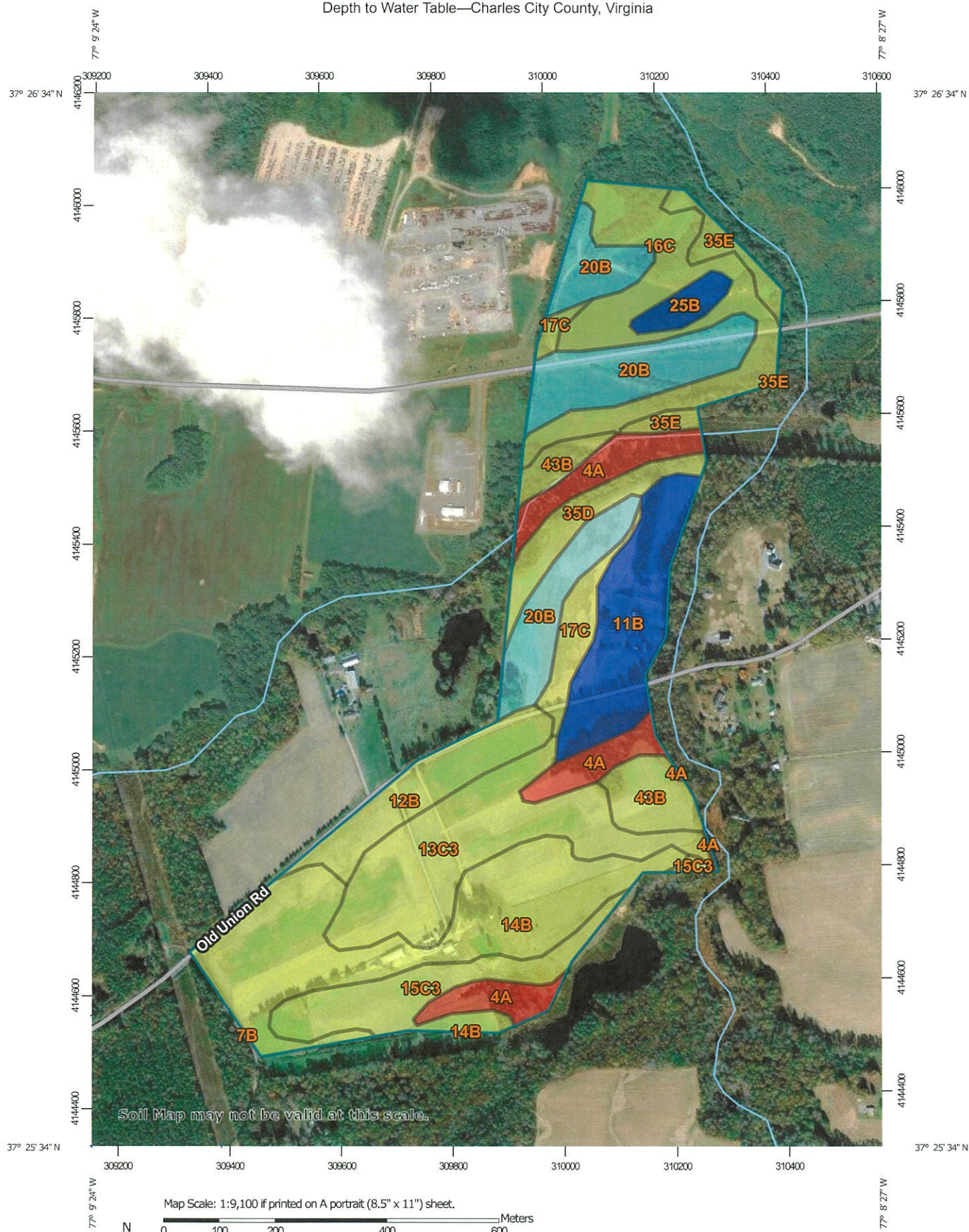
Date(s) aerial images were photographed: Apr 11, 2015—Oct 27, 2017

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.

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	11.5	7.3%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	0.0	0.0%
11B	Conetoe loamy sand, 0 to 4 percent slopes	13.9	8.8%
12B	Craven loam, 2 to 6 percent slopes	9.0	5.7%
13C3	Craven clay loam, 6 to 10 percent slopes, severely eroded	21.2	13.4%
14B	Craven-Caroline complex, 2 to 6 percent slopes	28.8	18.2%
15C3	Craven-Caroline complex, 6 to 10 percent slopes, severely eroded	11.4	7.2%
16C	Craven-Remlik complex, 6 to 10 percent slopes	18.0	11.4%
17C	Craven-Uchee complex, 6 to 10 percent slopes	4.7	3.0%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	21.5	13.6%
25B	Kempsville loamy sand, 2 to 6 percent slopes	2.3	1.5%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	5.4	3.4%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	3.6	2.3%
43B	Slagle-Emporia complex, 2 to 6 percent slopes	6.8	4.3%
Totals for Area of Interest		158.2	100.0%

Depth to Water Table—Charles City County, Virginia



Map Scale: 1:9,100 if printed on A portrait (8.5" x 11") sheet.

0 100 200 400 600 Meters

0 400 800 1600 2400 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

8/11/2021
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: Apr 11, 2015—Oct 27, 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.

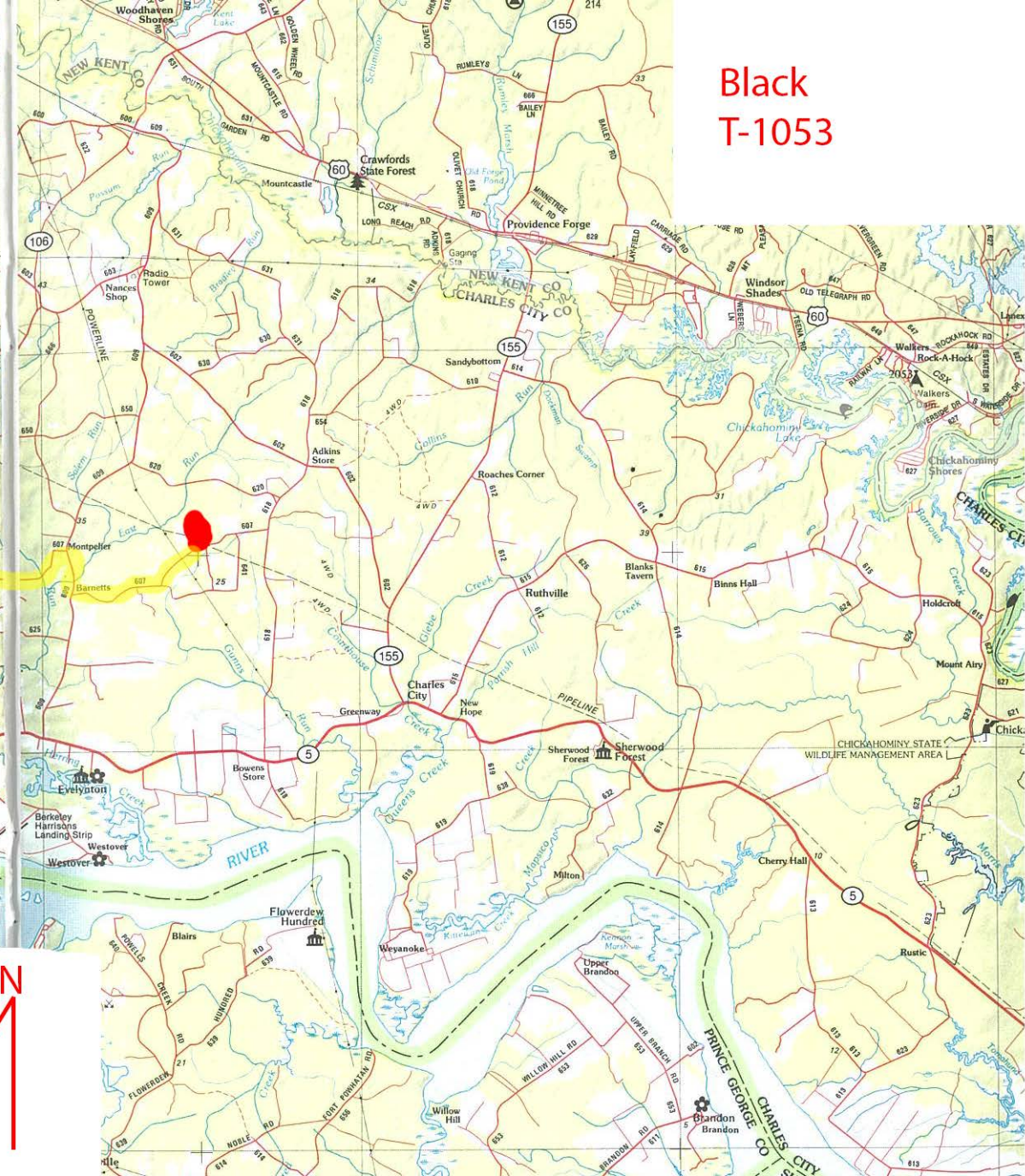
Depth to Water Table

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	11.5	7.3%
7B	Caroline-Emporia complex, 2 to 6 percent slopes	130	0.0	0.0%
11B	Conetoe loamy sand, 0 to 4 percent slopes	>200	13.9	8.8%
12B	Craven loam, 2 to 6 percent slopes	76	9.0	5.7%
13C3	Craven clay loam, 6 to 10 percent slopes, severely eroded	76	21.2	13.4%
14B	Craven-Caroline complex, 2 to 6 percent slopes	76	28.8	18.2%
15C3	Craven-Caroline complex, 6 to 10 percent slopes, severely eroded	76	11.4	7.2%
16C	Craven-Remlik complex, 6 to 10 percent slopes	76	18.0	11.4%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	4.7	3.0%
20B	Emporia fine sandy loam, 2 to 6 percent slopes	107	21.5	13.6%
25B	Kempsville loamy sand, 2 to 6 percent slopes	>200	2.3	1.5%
35D	Nevarc-Remlik complex, 10 to 15 percent slopes	61	5.4	3.4%
35E	Nevarc-Remlik complex, 15 to 25 percent slopes	61	3.6	2.3%
43B	Slagle-Emporia complex, 2 to 6 percent slopes	61	6.8	4.3%
Totals for Area of Interest			158.2	100.0%

**Black
Tract T-718
Field Data Sheet**

Field	Total	Tract Coordinates		Field Type
	Acres	Latitude	Longitude	
718-1	16.0	37.4314	-77.1479	Agriculture
718-1B	1.4			Agriculture
718-2	2.6			Agriculture
718-3	21.0			Agriculture
718-4	38.5			Agriculture
718-6	2.5			Agriculture
718-7	5.3			Agriculture
718-8	2.1			Agriculture
718-9	8.0			Agriculture
718-10	20.0			Agriculture
SUM	117.4			

*All Latitude/Longitude Points were obtained through Google Earth



Black
T-1053

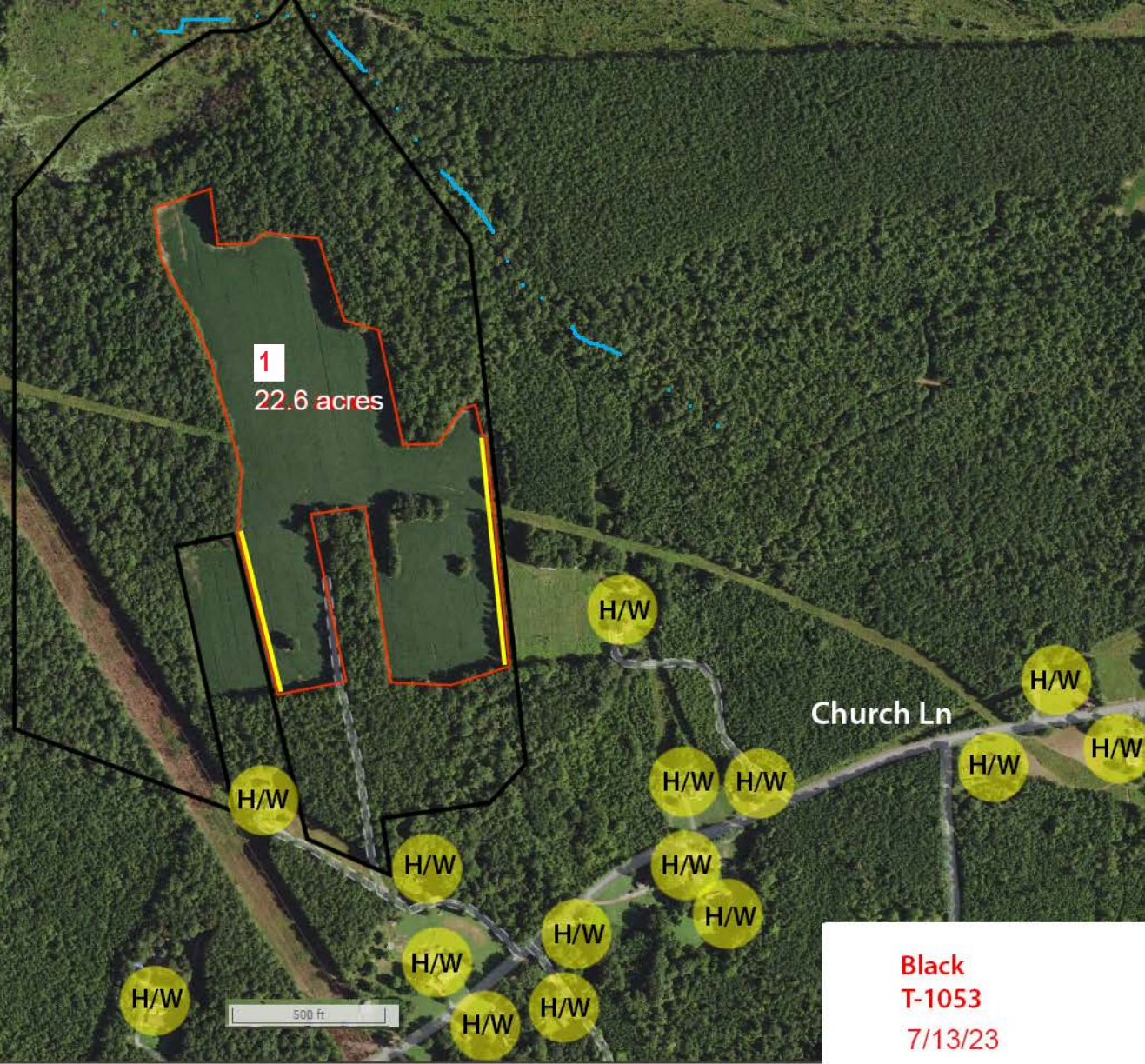
Road Map

Haul Route

1"=1 mile

7/13/23





Church Ln

Black
T-1053
7/13/23

Topo Map



50ft

1

500 ft

Church Ln

East Run

Guins Run

New Quarter Rd

**Black
T-1053
7/13/23**

Soil Map—Charles City County, Virginia




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/28/2022
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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

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: Mar 27, 2021—Apr 7, 2021

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
5A	Bojac loamy fine sand, 0 to 2 percent slopes	0.4	2.0%
12B	Craven loam, 2 to 6 percent slopes	7.9	37.7%
17C	Craven-Uchee complex, 6 to 10 percent slopes	6.1	29.1%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	6.5	31.2%
Totals for Area of Interest		21.0	100.0%

Depth to Water Table—Charles City County, Virginia







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 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: Mar 27, 2021—Apr 7, 2021

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
5A	Bojac loamy fine sand, 0 to 2 percent slopes	152	0.4	2.0%
12B	Craven loam, 2 to 6 percent slopes	76	7.9	37.7%
17C	Craven-Uchee complex, 6 to 10 percent slopes	76	6.1	29.1%
42B	Slagle fine sandy loam, 0 to 4 percent slopes	61	6.5	31.2%
Totals for Area of Interest			21.0	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

**Black
Tract T-1053
Field Data Sheet**

Field	Total	Tract Coordinates		Field Type
	Acres	Latitude	Longitude	
1053-1	22.6	37.3781	-77.1292	Agriculture
SUM	22.6			

*All Latitude/Longitude Points were obtained through Google Earth