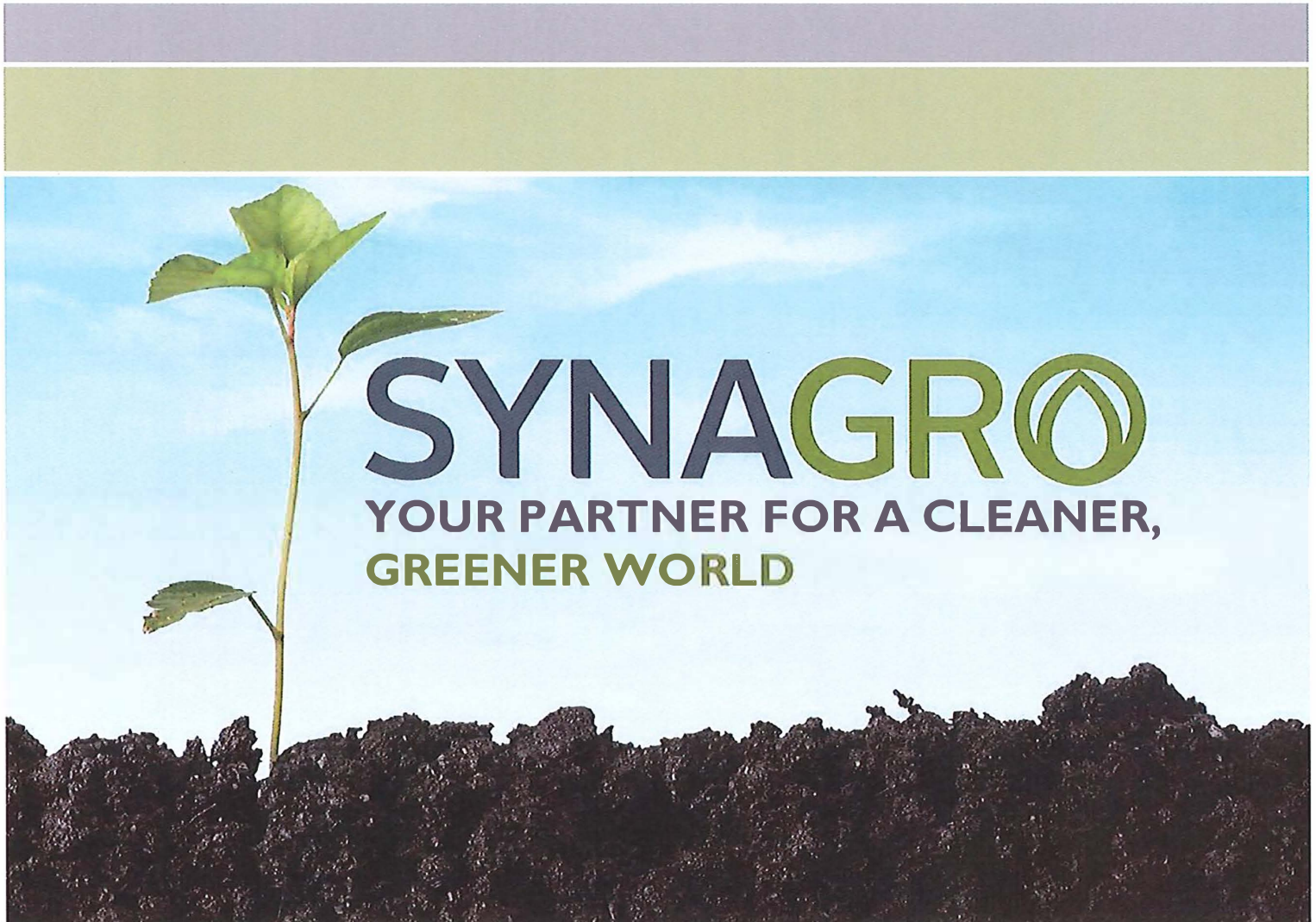


LAND APPLICATION OF BIOSOLIDS
CHRISTOPHER AMBROSE

EX 89 (FIELDS 01-13)
ESSEX COUNTY, VIRGINIA
SEPTEMBER 01, 2021





JULY 12, 2021

Mr. Neil Zahradka
Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Road
Glen Allen, VA 23060

Dear Mr. Zahradka,

Transmitted herein for your consideration is land application site for Christopher Ambrose (designated as EX 89, fields 01-13), located in Essex County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,


Hunter Davis

Technical Services Specialist



FIELD SUMMARY SHEET

CHRISTOPHER AMBROSE EX 89

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
89-01	60.7	60.7		Agriculture	Cynthia Ann Reynolds Life Estate
89-02	18.5	18.5		Agriculture	Cynthia Ann Reynolds Life Estate
89-03	34.7	34.7		Agriculture	Cynthia Ann Reynolds Life
89-04	20.6	20.6		Agriculture	Cynthia Ann Reynolds Life
89-05	26.5	26.5		Agriculture	Cynthia Ann Reynolds Life
89-06	141.4	141.4		Siviculture	Cynthia Ann Reynolds Life
89-07	6.7	6.7		Agriculture	Christopher L Ambrose
89-08	9.0	9.0		Agriculture	Christopher L Ambrose
89-09	4.6	4.6		Agriculture	Christopher L Ambrose
89-10	14.4	14.4		Agriculture	Christopher L Ambrose
89-11	14.8	14.8		Agriculture	Christopher L Ambrose
89-12	41.7	41.7		Siviculture	Christopher L Ambrose
89-13	24.9	24.9		Siviculture	Christopher L Ambrose
TOTALS:	418.5	418.5			

SYNAGRO

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Chris Ambrose PHONE: (804) 366-1619

ADDRESS: _____

FARM LOCATION: _____

FSA TRACT #: _____

TOTAL ACRES: _____ COUNTY: _____

CROPS: _____

1. I agree to be responsible for adhering to the following conditions, where applicable:
 - a. The soil pH will be adjusted ≥ 6.0 when biosolids are applied. (This may be accomplished through the application of lime-treated biosolids).
 - b. Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for dairy production should not be allowed to graze on the land or be fed chopped foliage for 60 days after the application of biosolids. Meat-producing livestock should not be fed chopped foliage for 30 days after the application of biosolids.
 - c. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 14 months after the application of biosolids.
 - d. Food crops for direct human consumption 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 ≥ 4 months prior to incorporation into the soil or 38 months when the biosolids remain on the land surface < 4 months prior to incorporation.
 - e. Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - f. Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days after application of biosolids. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year. No biosolids-amended soil shall be excavated or removed from the site for 30 days following the biosolids application unless adequate provisions are made to prevent public exposure to soils, dusts or aerosols.
 - g. 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 the permitting authority.
 - h. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the farm operator by Synagro at the time of application of biosolids to a specific permitted site.
 - i. Tobacco, because it has been shown to accumulate cadmium, should not be grown for three years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/acre.
2. I understand that this transaction is not contemplated by the parties to be a sale of goods, and that Synagro is willing to provide to me without charge the service of land applying biosolids which have been approved by the appropriate regulatory agencies for land application.
3. I understand that successful crop production depends on many variables, such as weather, soil conditions and specific farming practices and that while Synagro has experience with land application of biosolids, the responsibility for properly accommodating agricultural practices to biosolids utilization are solely mine. I have also read and understand the "Important Information About Using Biosolids as a Fertilizer" which is on the reverse side and incorporated by reference in this Request and Consent.

OPERATOR'S SIGNATURE

DATE

9/3/21

Synagro * 10647 Tidewater Trail * Champlain, VA 22438 * 804.443.2170

IMPORTANT INFORMATION ABOUT USING BIOSOLIDS AS A FERTILIZER

Biosolids Generation

Biosolids are the accumulated, treated solids separated from water during the treatment of wastewater by public and private wastewater treatment plants (Generators). The Generator is responsible for supplying biosolids that are suitable for land application under state and federal regulations.

Benefits of Biosolids

Biosolids provide nitrogen in a form that can be taken up by plants during their growth cycle. Biosolids also add phosphorus to the soil. If lime is added to biosolids, the biosolids will have the added benefit of a liming agent. Biosolids contain primary, secondary and micronutrients that can be used by plants. Biosolids are primarily an organic material; when added to soil, they improve water and nutrient retention, reduce erosion potential and improve soil structure.

The Permitting Process

Once the farm operator requests biosolids, a Synagro representative initially evaluates the farm for truck access and field conditions. If the farm is found to be suitable and the Request for Biosolids and the Consent for Biosolids forms are signed, Synagro will collect soil samples and have them analyzed by an independent laboratory.

Synagro will then apply for any federal, state or local permits required for biosolids application. The permits will specifically identify the fields to which biosolids will be applied and will be issued to Synagro or the Generator.

After the permits are obtained (a process that may take several months or more) Synagro will apply biosolids, as they become available, to the fields. Availability of biosolids may vary because of weather conditions, contractual arrangements with biosolids generators and other factors. Although the company cannot guarantee biosolids application because of factors beyond its control, Synagro will use its best efforts to apply biosolids to the permitted fields.

The conditions outlined in the permit will apply to any and all biosolids applications made by Synagro. Synagro will not be responsible for biosolids application made by any other entity.

Periodic visits to the land application site(s) by federal, state and local regulatory staff and Synagro representatives may occur for the purpose of permitting the site, inspecting the site, applying biosolids, obtaining samples at the site and testing. Proper identification will be provided upon request.

Agronomic Considerations

Tractor-trailer units are used to deliver biosolids to the fields approved for biosolids applications. Soil compaction may occur on the travel areas used by the trucks and in areas where biosolids are unloaded for transfer to the applicator vehicle.

Since some biosolids contain lime, it is important to recognize any increase in soil pH where biosolids have been applied and exercise care in using certain herbicides. If considering the use of a sulfonylurea herbicide, particular attention should be paid to any label restrictions. High soil pH and dry weather may slow decomposition of these chemicals, resulting in carryover. For soils with low manganese levels, increased soil pH from lime addition (alone or in lime treated biosolids) may reduce manganese availability and thereby potentially reduce crop yields.

In planning a herbicide program, it should be noted that seeds may sometimes survive the biosolids treatment process - for example, tomato seeds. Also, the organic matter additions from biosolids application (organic matter tends to tie up certain herbicides) may require increased herbicide application rates. Consult your extension agent or chemical representative for a specific recommendation.

Biosolids contain salts. Biosolids applications alone rarely cause salt problems. However, if combined with other significant salt-increasing factors, such as drought, excessive soil compaction, saline irrigation water and salt-containing fertilizers, salts may reach levels that could negatively affect germination and growth of some crops.

While odors from biosolids applications are not usually significant, and typically less than that from livestock manure, it is possible that an odor from the decomposition of organic matter may be noticed. If this occurs, it generally disappears in a short time.

Since biosolids provide nitrogen that will be released slowly throughout the growing season with diminishing carry-over in subsequent years, it is important to reduce the use of nitrogen and other fertilizers to appropriate levels.

**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 8-3-2021 between Christopher L Ambrose referred to here as "Landowner", and Synagro Central, LLC, 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 ESSEX, 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
18-60			
18-61			
18-62			

☐ 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No


Printed name <u>Christopher L Ambrose</u>	Mailing Address <u>2906 Clark's store Rd Carroll VA 22436</u>	Landowner Signature 
By: <u>Christopher L Ambrose</u>	Phone No. 804-366-1619	
Title*		

* ☒ 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:

Synagro, 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>Hunter Davis.</u>	Mailing Address: 1681 Tappahannock Blvd, Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title Technical Services Specialist	Phone No. 443-2170	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Christopher L Ambrose

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

8-3-21
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 8-3-2021 between Cynthia Ann Reynolds Life Estate referred to here as "Landowner", and Synagro Central, LLC, 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 ESSEX, 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
11-33			
11-33A			

☐ 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Printed name <u>Cynthia Ann Reynolds Life Estate</u> By: <u>Valerie Fitch POA for Cynthia Ann Reynolds</u> Title* <u>Power of attorney</u>	Mailing Address <u>PO Box 1</u> <u>Hustle VA 22476</u> Phone No. <u>804-443-2849</u>	Landowner Signature
<input checked="" 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:

Synagro, 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>Hunter Davis.</u> Title <u>Technical Services Specialist</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u> Phone No. <u>443-2170</u>	Permittee- Authorized Representative Signature
--	---	---

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Cynthia Ann Reynolds Life Estate

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).

 Halle Fitch POA for Cynthia Reynolds, Halle Fitch
Landowner's Signature

8-3-2021
Date

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
Cynthia Ann Reynolds Life Estate	89-01	11-33
		11-33A
Cynthia Ann Reynolds Life Estate	89-02	11-33
		11-33A
Cynthia Ann Reynolds Life Estate	89-03	11-33
		11-33A
Cynthia Ann Reynolds Life Estate	89-04	11-33
Cynthia Ann Reynolds Life Estate	89-05	11-33
Cynthia Ann Reynolds Life Estate	89-06	11-33
		11-33A
Christopher L Ambrose	89-07	18-62
Christopher L Ambrose	89-08	18-60
Christopher L Ambrose	89-09	18-60
Christopher L Ambrose	89-10	18-60
Christopher L Ambrose	89-11	18-61
Christopher L Ambrose	89-12	18-60
		18-61
		18-62
Christopher L Ambrose	89-13	18-60
		18-61

Field Number	Latitude (North)	Longitude (West)
89-01	37.048°	-77.083°
89-02	38.050°	-77.081°
89-03	38.047°	-77.078°
89-04	38.044°	-77.078°
89-05	38.044°	-77.074°
89-06	38.054°	-77.082°
89-07	38.041°	-77.019°
89-08	38.039°	-77.023°
89-09	38.038°	-77.023°
89-10	38.036°	-77.022°
89-11	38.035°	-77.020°
89-12	38.039°	-77.018°
89-13	38.033°	-77.022°

*Latitude and Longitude are a random point determined by ArcView program

Haul Route:

The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.

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: Synagro Central, LLC County or City: Essex (EX 89)

Please Print

(Signatures not required on this page)

[illegible]

0 HUSTLE RD RT 637

Location 0 HUSTLE RD RT 637

Mblu 11 / 33 / 1

Acct# 1418

Owner REYNOLDS CYNTHIA ANN LIFE ESTATE

Clean & Green Total \$203,100

Class Agrigultural - 100+ Ac

Appraisal \$348,800

PID 450

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$348,800	\$348,800
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$348,800	\$348,800	\$203,100	\$203,100

Owner of Record

Owner	REYNOLDS CYNTHIA ANN LIFE ESTATE	Sale Price	\$0
Co-Owner		Certificate	
Address	P O BOX 1	Book & Page	12/28
	HUSTLE, VA 22476	Sale Date	04/22/2020
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
REYNOLDS CYNTHIA ANN LIFE ESTATE	\$0		12/28	00	04/22/2020

Building Information

Building 1 : Section 1

Year Built:
Living Area: 0
Replacement Cost: \$0
Building Percent Good:

Building Photo

 Building Photo
(<https://images.vgsi.com/photos/EssexVAPhotos/default.jpg>)

760 HUSTLE RD

Location 760 HUSTLE RD

Mblu 11/ / 33/ A/

Acct# 1419

Owner REYNOLDS CYNTHIA ANN LIFE ESTATE

Clean & Green Total \$382,520

Class Agrigultural - 100+ Ac

Appraisal \$554,320

PID 451

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$147,920		\$406,400	\$554,320
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$147,920	\$406,400	\$554,320	\$234,600	\$382,520

Owner of Record

Owner	REYNOLDS CYNTHIA ANN LIFE ESTATE	Sale Price	\$0
Co-Owner		Certificate	
Address	P O BOX 1	Book & Page	226/595
	HUSTLE, VA 22476	Sale Date	02/27/1998
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
REYNOLDS CYNTHIA ANN LIFE ESTATE	\$0		226/595	00	02/27/1998

Building Information

Building 1 : Section 1

Year Built:	1963
Living Area:	2,207
Replacement Cost:	\$173,474
Building Percent Good:	80

0 OCCUPACIA RD RT 637

Location	0 OCCUPACIA RD RT 637	Mblu	18 / 60 /
Acct#	237	Owner	AMBROSE CHRISTOPHER L
Clean & Green Total	\$92,900	Class	Agricultural- 20-100 Ac
Appraisal	\$160,500	PID	1445
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$3,000		\$157,500	\$160,500
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$3,000	\$157,500	\$160,500	\$89,900	\$92,900

Owner of Record

Owner	AMBROSE CHRISTOPHER L	Sale Price	\$110,000
Co-Owner		Certificate	19
Address	2966 CLARKES STORE RD	Book & Page	0/0
	CARET, VA 22436	Sale Date	04/12/2019
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
AMBROSE CHRISTOPHER L	\$110,000	19	0/0	00	04/12/2019

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Living Area:	1,344	
Replacement Cost:	\$0	
Building Percent Good:		

0 OCCUPACIA RD RT 637

Location 0 OCCUPACIA RD RT 637

Mblu 18//61//

Acct# 230

Owner AMBROSE CHRISTOPHER L

Class Agricultural- 20-100 Ac

Assessment \$102,100

Appraisal \$102,140

PID 1373

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$102,140	\$102,140
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$102,100	\$102,100

Owner of Record

Owner AMBROSE CHRISTOPHER L
Co-Owner
Address 2966 CLARKES STORE RD
CARET, VA 22436

Sale Price \$0
Certificate 14
Book & Page 121/289
Sale Date 06/25/2014
Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
AMBROSE CHRISTOPHER L	\$0	14	121/289	00	06/25/2014

Building Information

Building 1 : Section 1

Year Built:
Living Area: 1,040
Replacement Cost: \$0
Building Percent Good:

Building Photo

 Building Photo
(<https://images.vgsi.com/photos/EssexVAPhotos/default.jpg>)

1147 OCCUPACIA RD

Location 1147 OCCUPACIA RD

Mblu 18 / 62 / 1

Acct# 231

Owner AMBROSE CHRISTOPHER L

Class Sngl Fam Res - Suburban

Assessment \$46,600

Appraisal \$46,640

PID 1384

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$46,640	\$46,640
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$46,600	\$46,600

Owner of Record

Owner AMBROSE CHRISTOPHER L
Co-Owner
Address 2966 CLARKES STORE RD
CARET, VA 23436

Sale Price \$30,000
Certificate 15
Book & Page 301/178
Sale Date 10/06/2015
Instrument 12

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
AMBROSE CHRISTOPHER L	\$30,000	15	301/178	12	10/06/2015

Building Information

Building 1 : Section 1

Year Built:
Living Area: 1,220
Replacement Cost: \$0
Building Percent Good:

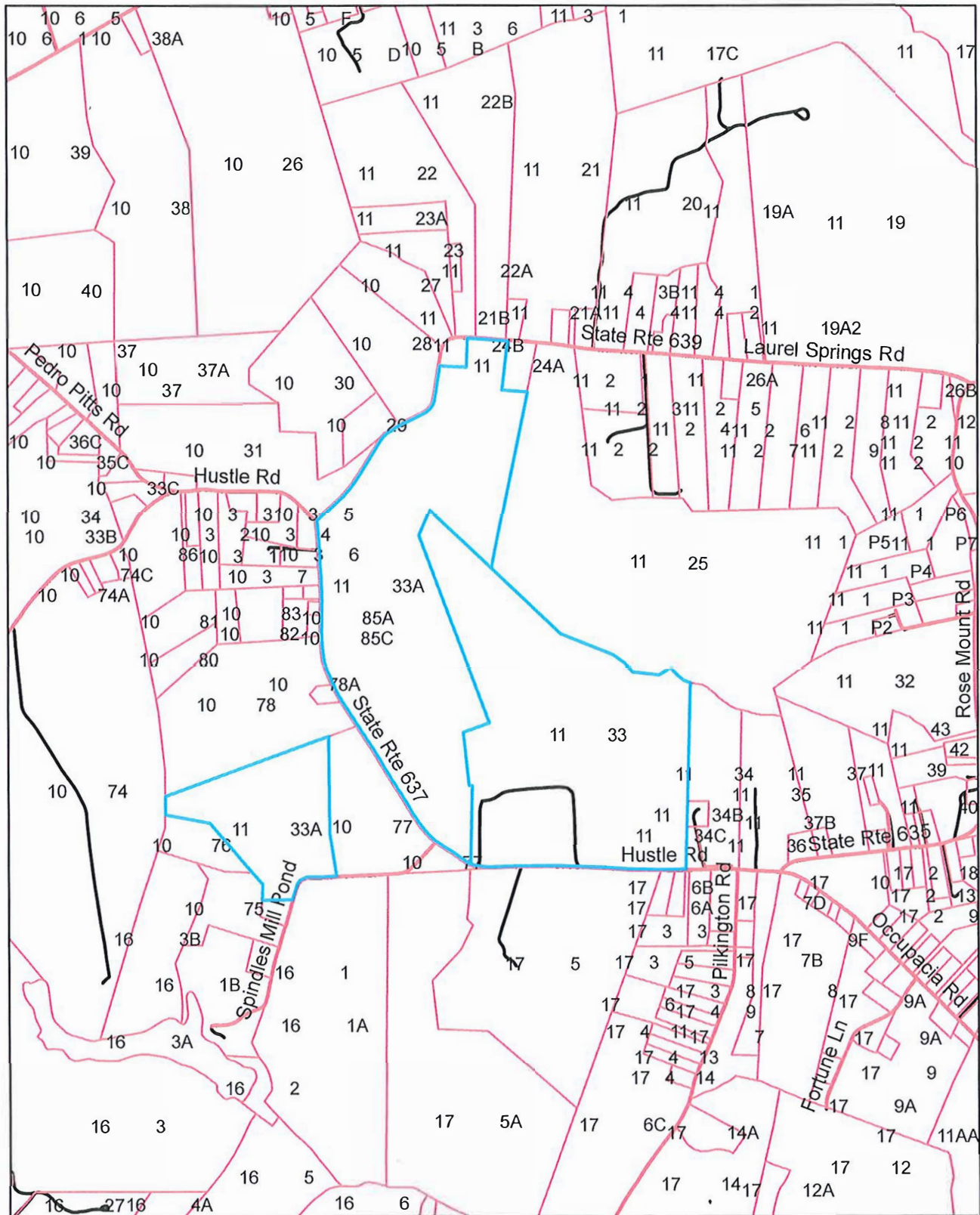
Building Photo

 Building Photo
(<https://images.vgsi.com/photos/EssexVAPhotos/default.jpg>)

EX 89 - Adjoining Property w/n 400'

Parcel ID	Owner 1	Owner 2	OwnerAddress	City	State	Zip
10-27	OLD DOMINION LAND AND TIMBER LLC		P O BOX 180	HANOVER	VA	23069-0180
10-28	SIMMONS WILLIAM B JR ET UX		1276 LAUREL SPRINGS RD	HUSTLE	VA	22476
10-29	BRACKBILL NOAH J	BRACKBILL PATRICIA L R/S	1544 LAUREL SPRINGS RD	HUSTLE	VA	22476
10-30	CLARKE THELMA W		P O BOX 926	TAPPAHANNOCK	VA	22560
10-31	CLARKE THELMA W		P O BOX 926	TAPPAHANNOCK	VA	22560
10-3-4	TICHKO STANLEY & DARLENE F		1741 HUSTLE RD	CARET	VA	22436
10-3-5	ACORS JOYCE COLLIER		1599 HUSTLE RD	HUSTLE	VA	22476
10-3-6A	JONES KENNETH W		1573 HUSTLE RD	HUSTLE	VA	22476
10-3-7	TONGUE CLINTON JR ET UX		1026 BAYARD RD	LATHIAN	MD	20711
10-74	TIGNOR CLARENCE W ET UX		31194 SPARTA RD	MILFORD	VA	22514
10-75	TIGNOR CLARENCE W	TIGNOR CLARENCE W JR	31194 SPARTA RD	MILFORD	VA	22514
10-76	TIGNOR CLARENCE W JR		31194 SPARTA RD	MILFORD	VA	22514
10-77	REYNOLDS CYNTHIA ANN LIFE ESTATE		P O BOX 1	HUSTLE	VA	22476
10-78	TIGNOR CLARENCE W	TIGNOR ELSIE A R/S	31194 SPARTA RD	MILFORD	VA	22514
10-78A	TAYLOR RALPH R		P O BOX 44	CHAMPLAIN	VA	22438
10-84	SAYLES ROBERT L & EDITH G R/S		P O BOX 51	HUSTLE	VA	22476
10-85A	TIGNOR CLARENCE W JR		31325 SPARTA RD	MILFORD	VA	22514
10-85B	SAYLES EDITH G		P O BOX 51	HUSTLE	VA	22476
10-85C	BROWN VIRGINIA ARLENE		P O BOX 92	PORT ROYAL	VA	22535
10-85D	SAYLES ROBERT L & EDITH G R/S		P O BOX 51	HUSTLE	VA	22476
11-21	HOLMES CHARLES RUDOLPH ET AL		405 NEWELL ST	FREDERICKSBURG	VA	22401
11-21B	HOLMES JEAN		1088 LAUREL SPRINGS RD	HUSTLE	VA	22476
11-22	RICHARDS THELMA H		2855 ROSE MOUNT RD	HUSTLE	VA	22476
11-22B	HOLMES SHAVON F		229 RICHARDSON RD	HUSTLE	VA	22476
11-23	RICHARDS THELMA HOLMES		1841 ROSEMOUNT RD	HUSTLE	VA	22476
11-24A	YOUNG KIMBERLY P		2245 ROSE MOUNT RD	HUSTLE	VA	22476
11-24B	MARTIN FRANKLIN S		1229 LAUREL SPRINGS RD	HUSTLE	VA	22476
11-25	FERRELL DARRELL A ET AL		2524 QUEENSBURY RD	ALLIANCE	OH	44601
11-33	REYNOLDS CYNTHIA ANN LIFE ESTATE		P O BOX 1	HUSTLE	VA	22476
11-33A	REYNOLDS CYNTHIA ANN LIFE ESTATE		P O BOX 1	HUSTLE	VA	22476

Parcel ID	Owner 1	Owner 2	OwnerAddress	City	State	Zip
11-34	STEVENS ANGELO S		P O BOX 951	TAPPAHANNOCK	VA	22560
11-34A	STEVENS ANGELO S		P O BOX 951	TAPPAHANNOCK	VA	22560
11-34B	STEVENS ANGELO S		P O BOX 951	TAPPAHANNOCK	VA	22560
11-34C	WRIGHT DELANEY S TRUSTEE	WRIGHT PATRICIA YOUNG TRUSTEE	P O BOX 4	HUSTLE	VA	22476
12-51	RANKINS CLARENCE W ET AL		P O BOX 11	JERSEY	VA	22481-0011
12-52	GAINES NATHAN A SR	GAINES GLORIA D R/S	1404 OCCUPACIA RD	HUSTLE	VA	22476
12-55	TULL BRENDA TEMPLE ET AL TRUSTEES		2805 33RD ST SE	WASHINGTON	DC	20020
16-1A	CHANNON JAMES	CHANNON LOIS R/S	P O BOX 307	WARSAW	VA	22572
17-3-1	LORENT BRANDI LEIGH		355 HUSTLE RD	HUSTLE	VA	22476
17-3-2	SCROGUM JEFFREY D	SCROGUM SHEILIA E HEPNER	319 HUSTLE RD	HUSTLE	VA	22476
17-3-3	GRAVELY PAMELA LYNN		362 PILKINGTON RD	HUSTLE	VA	22476
17-5	GOLDEN MAGNOLIA LLC		200 SEVEN OAKS FARM	GREENWOOD	VA	22943
17-5A	CHANNON LOIS M		P O BOX 307	WARSAW	VA	22572
17-6A	LINKINS JULIE RENEE		1053 CUMBERSTONE RD	HARWOOD	MD	20776
17-6B	SIMMONS WILLIAM B JR ET UX		1276 LAUREL SPRINGS RD	HUSTLE	VA	22476
18-1-1	COATES CHARLES C		119 BEND FARM RD	FREDERICKSBURG	VA	22408
18-1-2	WRIGHT RICHARD T	WRIGHT KATRINA G R/S	5433 RAINWOOD DR	FREDERICKSBURG	VA	22407
18-1-5	BUTLER WILLIAM C	BUTLER STEPHANIE M R/S	486 TAYLORS DRIVE	HUSTLE	VA	22476
18-4	FORTUNE HAMILTON BERNARD		7827 BUIST AVE	PHILADELPHIA	PA	19139
18-5	MUDD JUANITA C		1805 OCCUPACIA RD	HUSTLE	VA	22476
18-51	LAYNE CHARLIE		P O BOX 14	CHAMPLAIN	VA	22438-0014
18-56	AMBROSE CHRISTOPHER L		2966 CLARKES STORE RD	CARET	VA	22439
18-5A	CLARKE JAMES E	CLARKE LLEWYLEN E	1910 KINGSTON AVENUE	NORFOLK	VA	23503
18-5B	WOLFE MICHAEL W		P O BOX 2372	TAPPAHANNOCK	VA	22560
18-6	TIDEWATER PROPERTIES OF ESSEX LLC		P O BOX 186	CHAMPLAIN	VA	22438
18-60	AMBROSE CHRISTOPHER L		2966 CLARKES STORE RD	CARET	VA	22436
18-61	AMBROSE CHRISTOPHER L		2966 CLARKES STORE RD	CARET	VA	22436
18-62	AMBROSE CHRISTOPHER L		2966 CLARKES STORE RD	CARET	VA	22436
18-63	FITZGERALD TONY G	ORDONENZ IDALIA J R/S	926 OCCUPACIA RD	HUSTLE	VA	22476
18-64	FITZGERALD TONY G	ORDONENZ IDALIA J R/S	926 OCCUPACIA RD	HUSTLE	VA	22476
18-65	FRENCH JOHN C	FRENCH BRENDA J R/S	1821 POWCAN RD	BRUINGTON	VA	23023



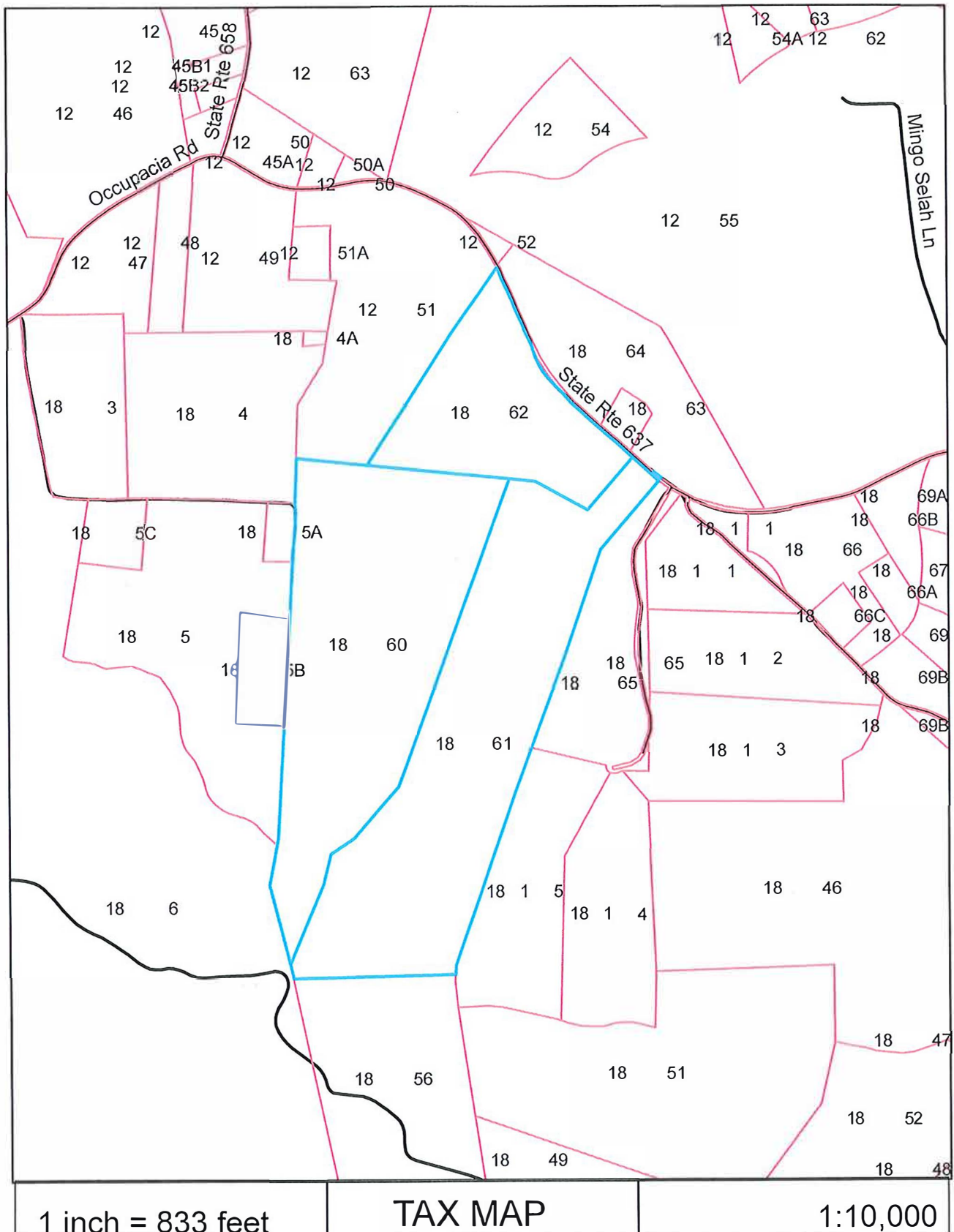
1 inch = 1,667 feet

TAX MAP

1:20,000

Disclaimer: Information shown on these maps are derived from public records that are constantly undergoing change and do not replace a site survey, and is not warranted for content or accuracy. The County does not guarantee the positional or thematic accuracy of the GIS data. The GIS data or cartographic digital files are not legal representation of any of the features in which it depicts, and disclaims any assumption of the legal status of which it represents.

5/22/23



Disclaimer: Information shown on these maps are derived from public records that are constantly undergoing change and do not replace a site survey, and is not warranted for content or accuracy. The County does not guarantee the positional or thematic accuracy of the GIS data. The GIS data or cartographic digital files are not legal representation of any of the features in which it depicts, and disclaims any assumption of the legal status of which it represents.

5/22/23

Farm Summary Report

Plan: **New Plan** **Fall, 2021 - Winter, 2031**

Farm Name: **New Farm**

Location: Essex

Specialist: Hunter Davis

N-based Acres: 385.0

P-based Acres: 0.0

Tract Name: **EX89**

FSA Number: 0

Location: Essex

Field Name: **01**

Total Acres: 60.7 Usable Acres: 60.7

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
23	7A	Chickahominy
11	9A	Emporia
7	9B	Emporia
2	9C	Emporia
39	10B	Kempsville
7	23A	Suffolk
12	23B	Suffolk

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 02

Total Acres: 18.5 Usable Acres: 18.5

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
81	23B	Suffolk
7	9A	Emporia
12	9C	Emporia

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 03

Total Acres: 34.7 Usable Acres: 34.7

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
26	9B	Emporia
23	9C	Emporia
2	20D	Rumford Slagle
28	23A	Suffolk
21	23B	Suffolk

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 04

Total Acres: 20.60 Usable Acres: 20.60

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: A Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
4	23B	Suffolk
58	23A	Suffolk
19	10B	Kempsville
15	9A	Emporia
4	9C	Emporia

Field Warnings:**Crop Rotation:**

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 05

Total Acres: 26.5 Usable Acres: 26.5

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
24	9C	Emporia
50	9A	Emporia
23	23B	Suffolk
1	20D	Rumford Slagle
1	10B	Kempsville

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 06

Total Acres: 141.4 Usable Acres: 141.4

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	3A	Bibb
3	9B	Emporia
5	9C	Emporia
1	10B	Kempsville
56	20D	Rumford Slagle
4	23A	Suffolk
31	23B	Suffolk

Field Warnings:*Environmentally Sensitive Soils due to:**Soils with potential for leaching based on soil texture or excessive drainage**Soils with high potential for subsurface lateral flow based on soil texture and poor drainage**Soils with percent slope in excess of 15%***Crop Rotation:**

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 07

Total Acres: 6.70 Usable Acres: 6.70

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
91	9A	Emporia
9	19E	Emporia Rumford

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 08

Total Acres: 9.0 Usable Acres: 9.0

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
26	10B	Kempsville
23	10C	Kempsville
5	19E	Emporia Rumford
47	23B	Suffolk

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 09

Total Acres: 4.6 Usable Acres: 4.6
FSA Number: 0
Tract: EX89
Location: Essex
Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
91	23B	Suffolk
9	10B	Kempsville

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 10

Total Acres: 14.4 Usable Acres: 14.4

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
64	10B	Kempsville
11	19E	Emporia Rumford
25	23B	Suffolk

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 11

Total Acres: 14.8 Usable Acres: 14.8

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	19E	Emporia Rumford
92	10B	Kempsville

Field Warnings:***Crop Rotation:***

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 12

Total Acres: 41.7 Usable Acres: 41.7

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: E Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
8	10B	Kempsville
2	10C	Kempsville
2	9B	Emporia
82	19E	Emporia Rumford
6	23B	Suffolk

Field Warnings:*Environmentally Sensitive Soils due to:**Soils with potential for leaching based on soil texture or excessive drainage**Soils with percent slope in excess of 15%***Crop Rotation:**

PLANTED	YIELD	CROP NAME
---------	-------	-----------

Field Name: 13

Total Acres: 24.9 Usable Acres: 24.9

FSA Number: 0

Tract: EX89

Location: Essex

Slope Class: E Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	3A	Bibb
8	10B	Kempsville
91	19E	Emporia Rumford

Field Warnings:*Environmentally Sensitive Soils due to:**Soils with potential for leaching based on soil texture or excessive drainage**Soils with high potential for subsurface lateral flow based on soil texture and poor drainage**Soils with percent slope in excess of 15%***Crop Rotation:**

PLANTED	YIELD	CROP NAME
---------	-------	-----------

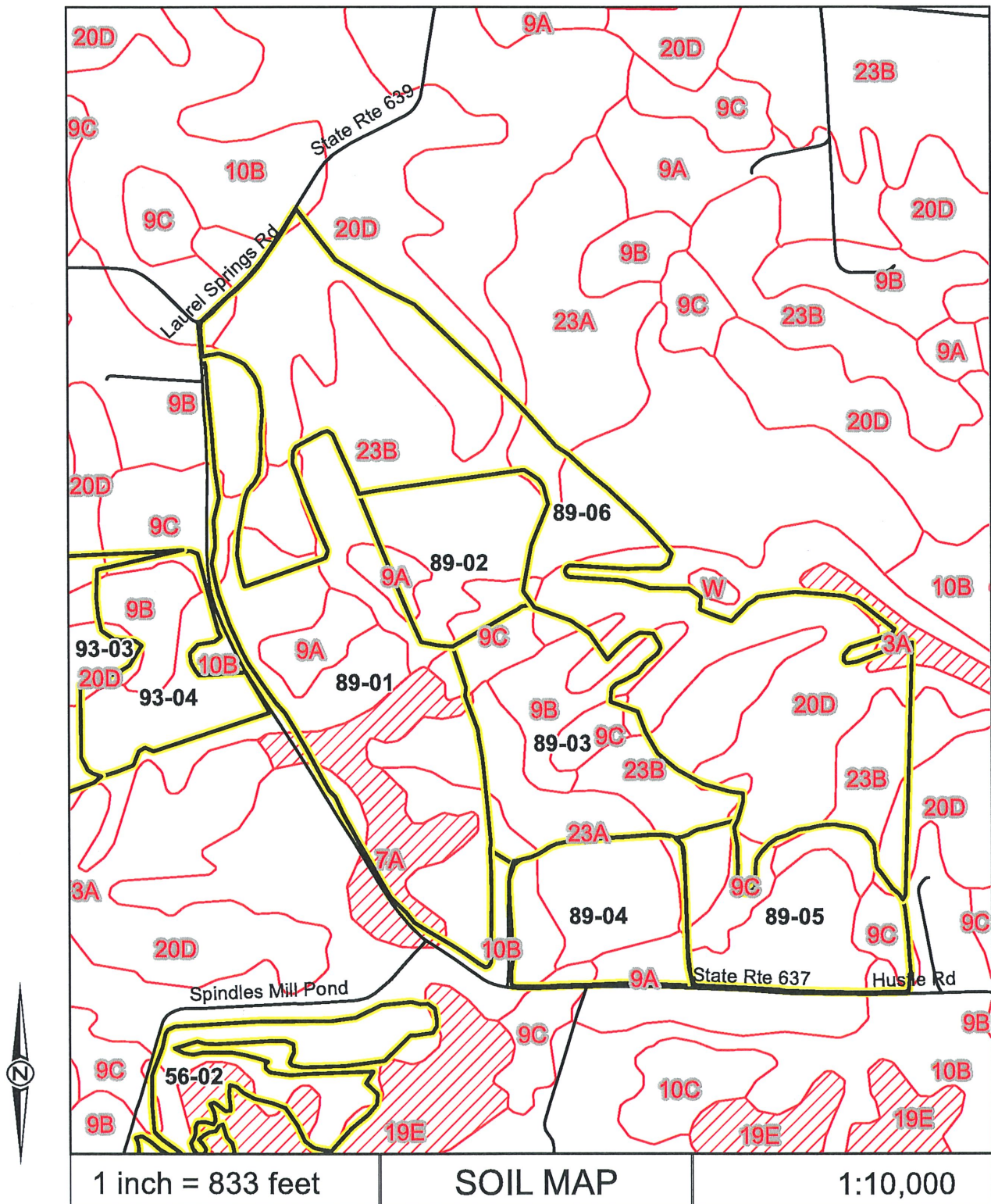
ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
89-01	High Water Table (Map Unit 7A- 23%)
89-02	None
89-03	None
89-04	None
89-05	None
89-06	Flooding Potential (Map Unit 3A - 2%)
89-07	Leaching Potantial (Map Unit 19E - 9%)
89-08	Leaching Potantial (Map Unit 19E - 5%)
89-09	None
89-10	Leaching Potantial (Map Unit 19E - 11%)
89-11	Leaching Potantial (Map Unit 19E - 8%)
89-12	Leaching Potantial (Map Unit 19E - 82%)
89-13	Flooding Potential (Map Unit 3A - 2%) Leaching Potantial (Map Unit 19E - 91%)

are Environmentally Sensitive

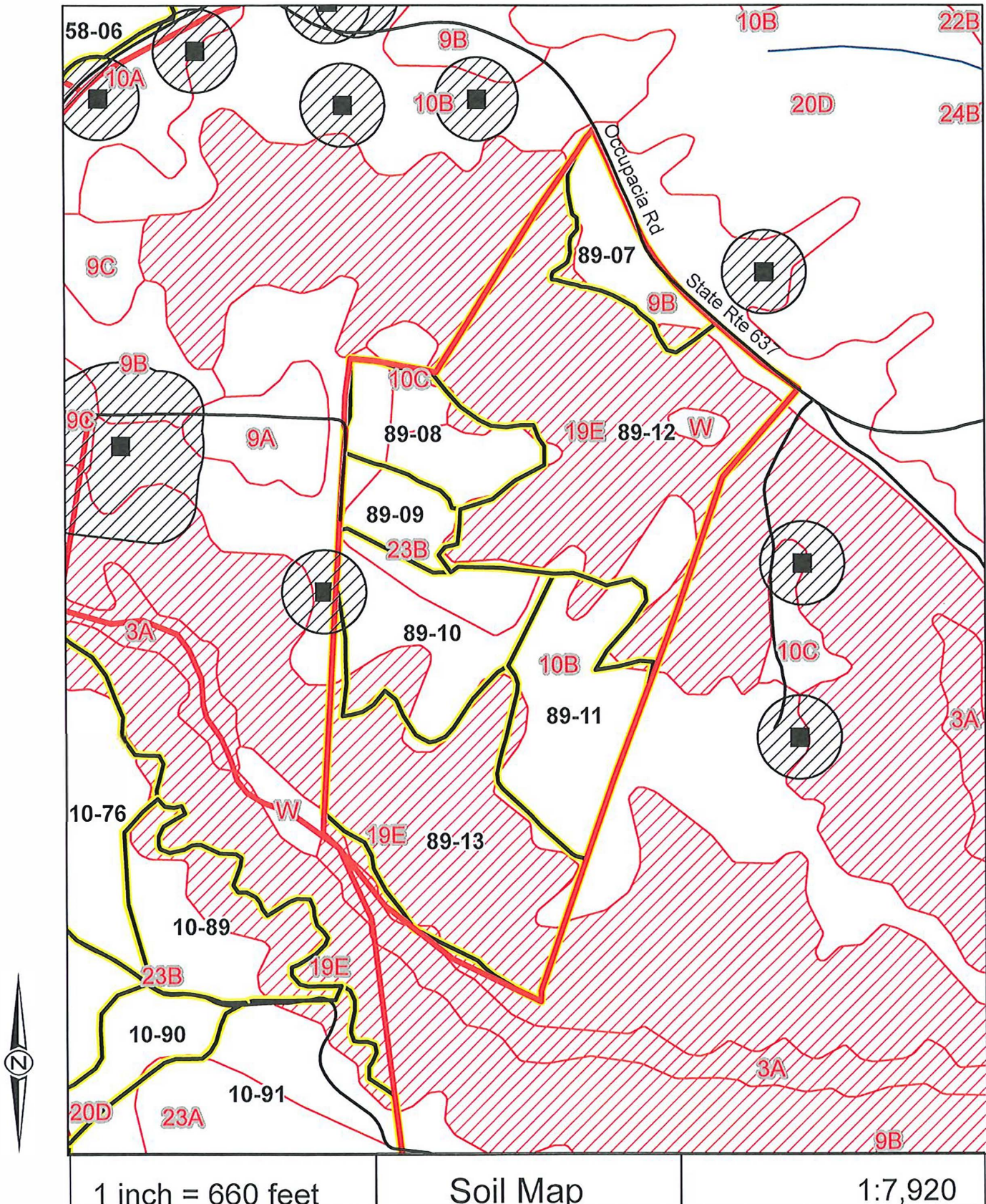
Soil Map Unit	Series Name	Time of year		Environmental
		High Water	Flooded	
2A	Augusta	Jan-May		
3A	Bibb	Jan-Apr, Dec	Jan-May, Dec	Drainage
4A	Bojac			Leaching
6B	Catpoint			Leaching
7A	Chickahominy	Jan-Apr, Nov-Dec		
11A	Levy		Jan-Dec	Drainage Shallow Soils
12A	Molena			Leaching
14A	Newflat	Jan-Apr, Nov-Dec		
17A	Rappahannock	Jan-Dec	Jan-Dec	Drainage Shallow Soils
18B, 19E	Rumford			Leaching
25A	Tomotley	Jan-Apr, Nov-Dec		

Chris Ambrose
EX 89
Fields 01-06



 Environmentally Sensitive Soils

Revised 3/4/2024



Environmentally Sensitive Soils

Map Legend



House/Dwelling with a well

- 200' buffer-dwelling (with conditions for reduction)
- 100' buffer- from well



Rock Outcrop

- 25' buffer



Limestone Outcrop/Closed Sinkhole

- 50' buffer



Well/Spring/Open Sinkhole

- 100' buffer



Lake/Pond

- 35' w/vegetative buffer; 100' without vegetative buffer



Slope which exceeds 15%



Publicly Accessible Site/Odor Sensitive Site

- 200' buffer Publicly Accessible Site Property Line
- 400' buffer Odor Sensitive Site



Stream/River

- 35' w/vegetative buffer; 100' without vegetative buffer



Agricultural/Drainage Ditch

- 10' buffer



Roadway

- 10' improved highway buffer

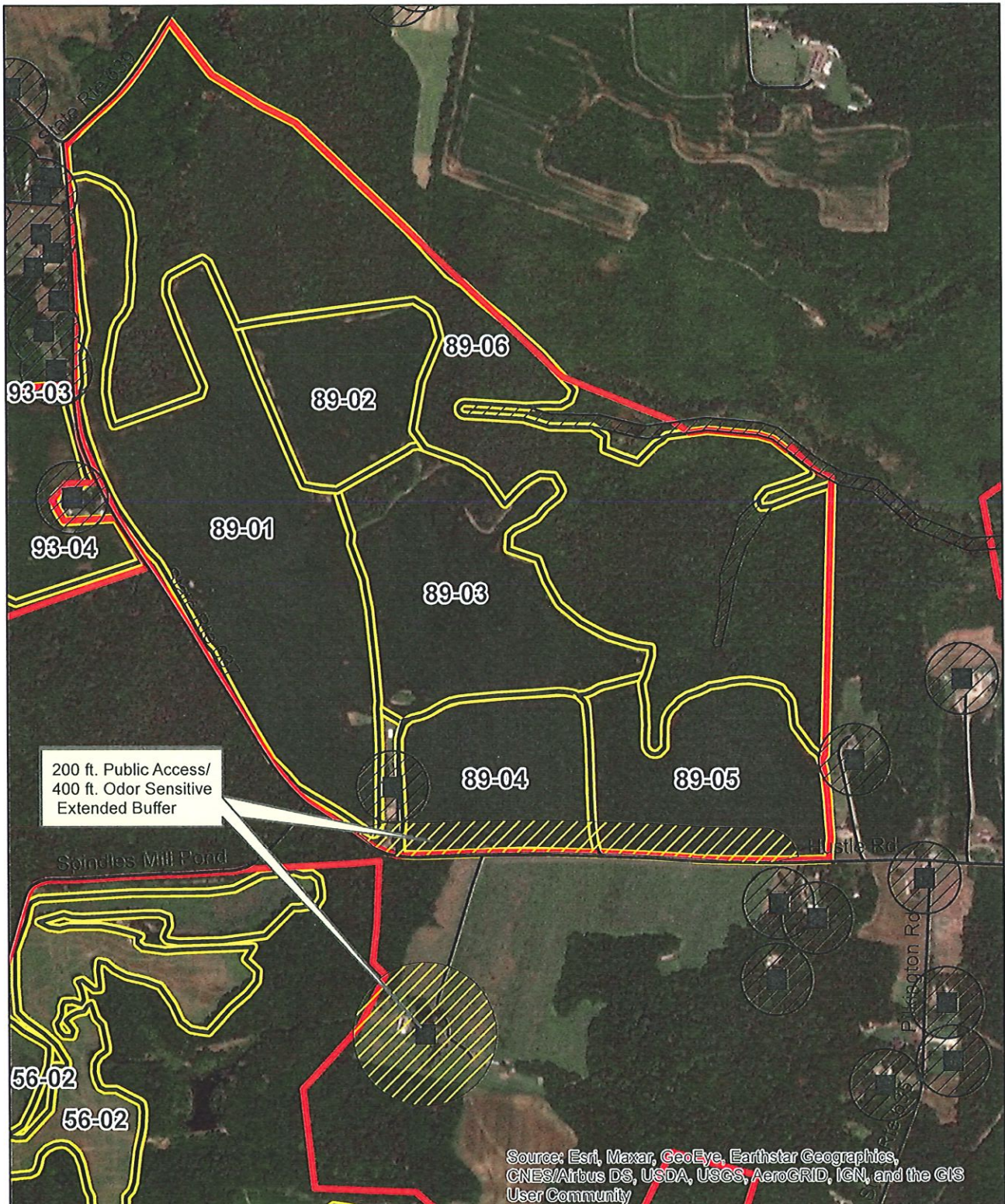


Field Boundary



Property Line

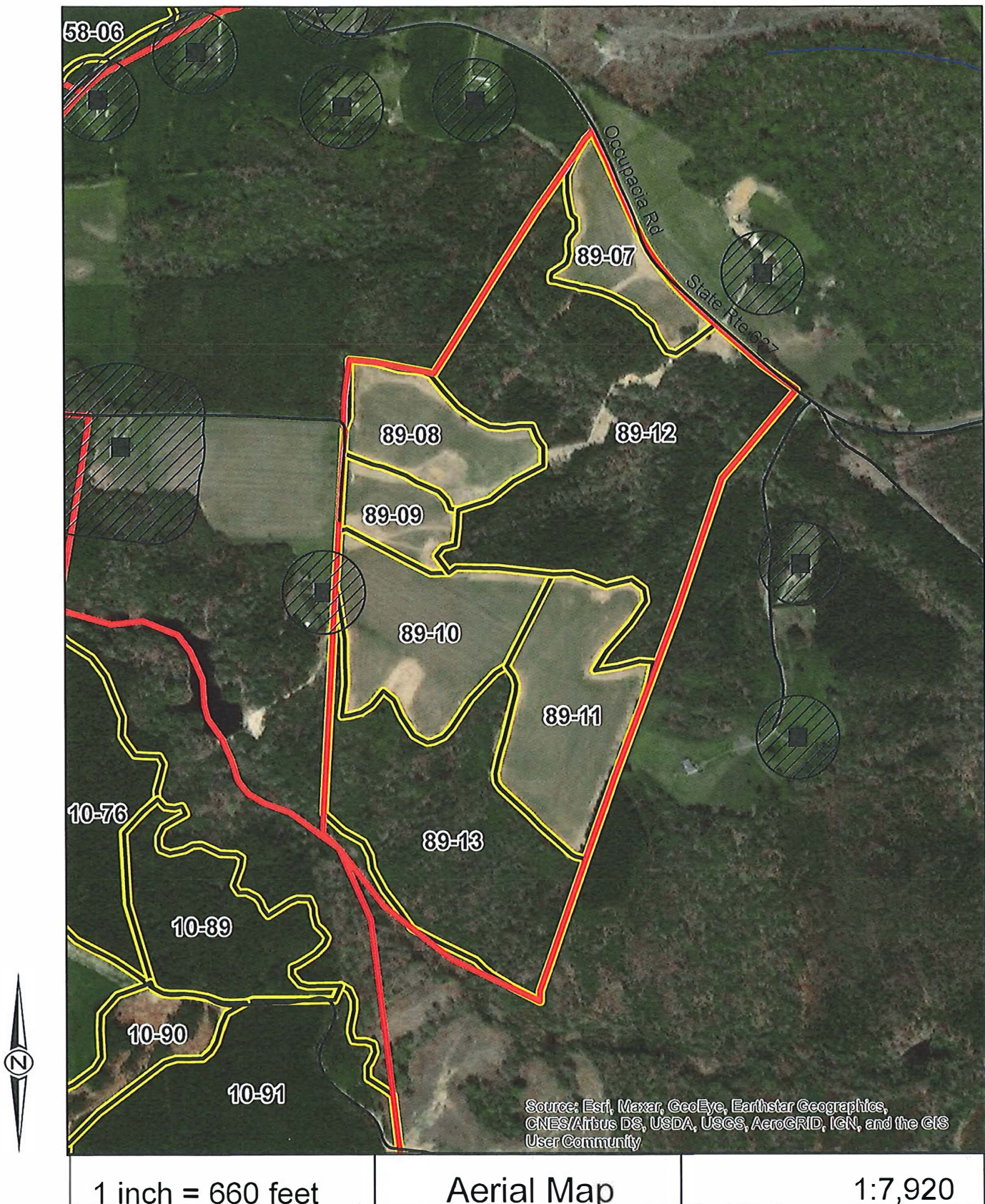
- 100' buffer unless waiver issued



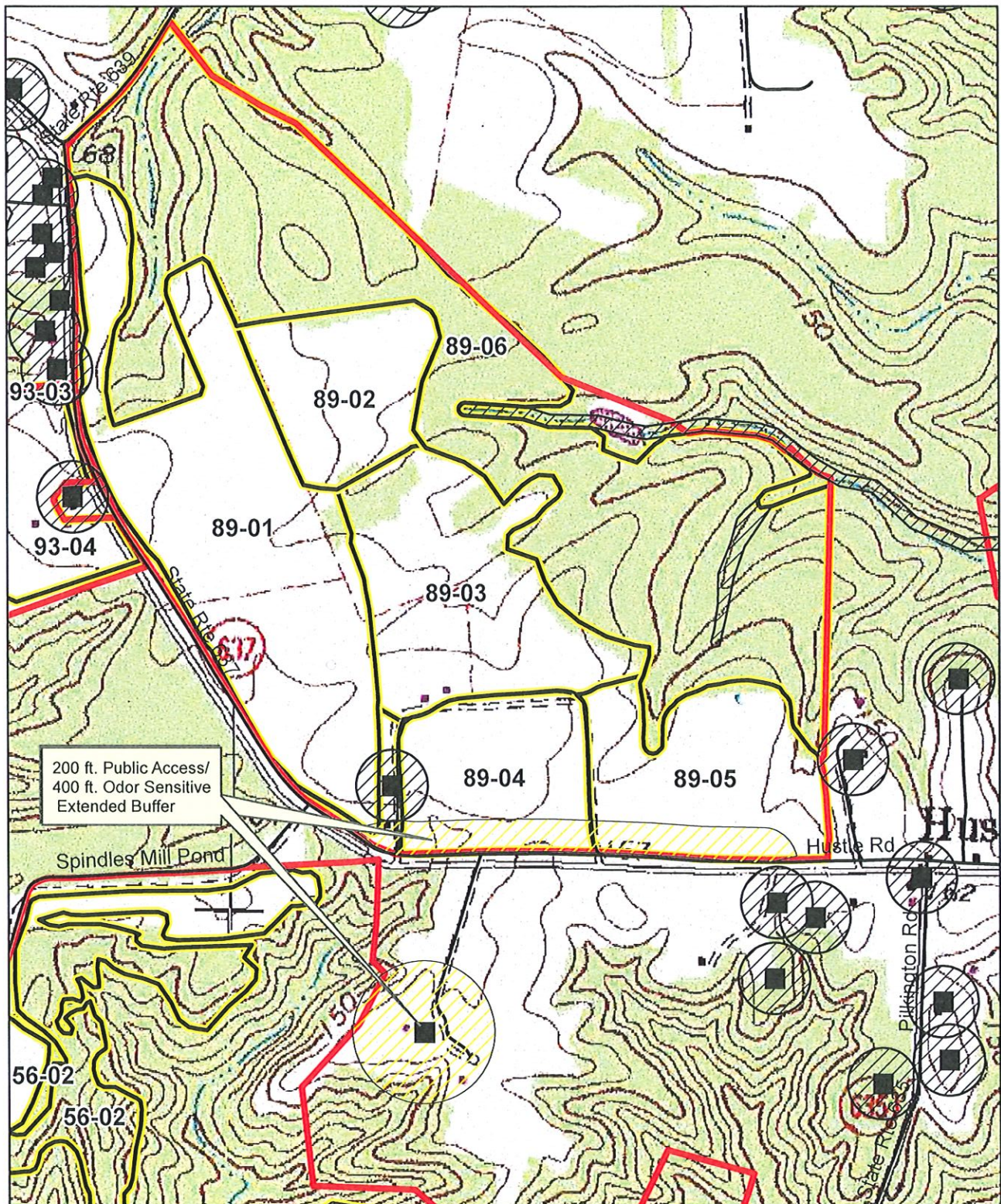
1 inch = 833 feet

AERIAL MAP

1:10,000



5/22/23



1 inch = 833 feet

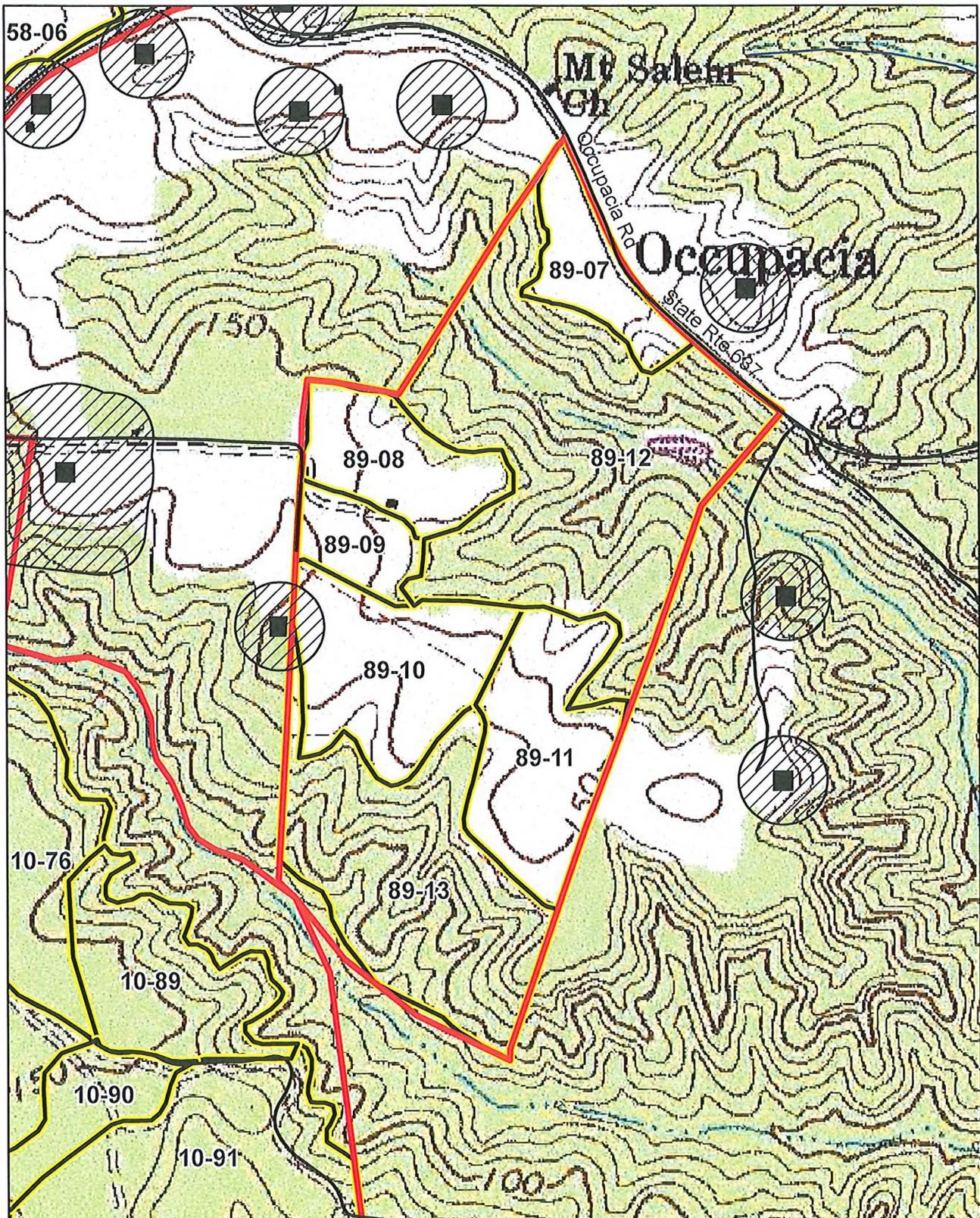
TOPO MAP

1:10,000

EXTENDED SETBACK

FIELD	ACRES	FIELD	ACRES
89-01	60.7	89-04	20.6
89-02	18.5	89-05	26.5
89-03	34.7	89-06	141.4

Revised 05/06/2024



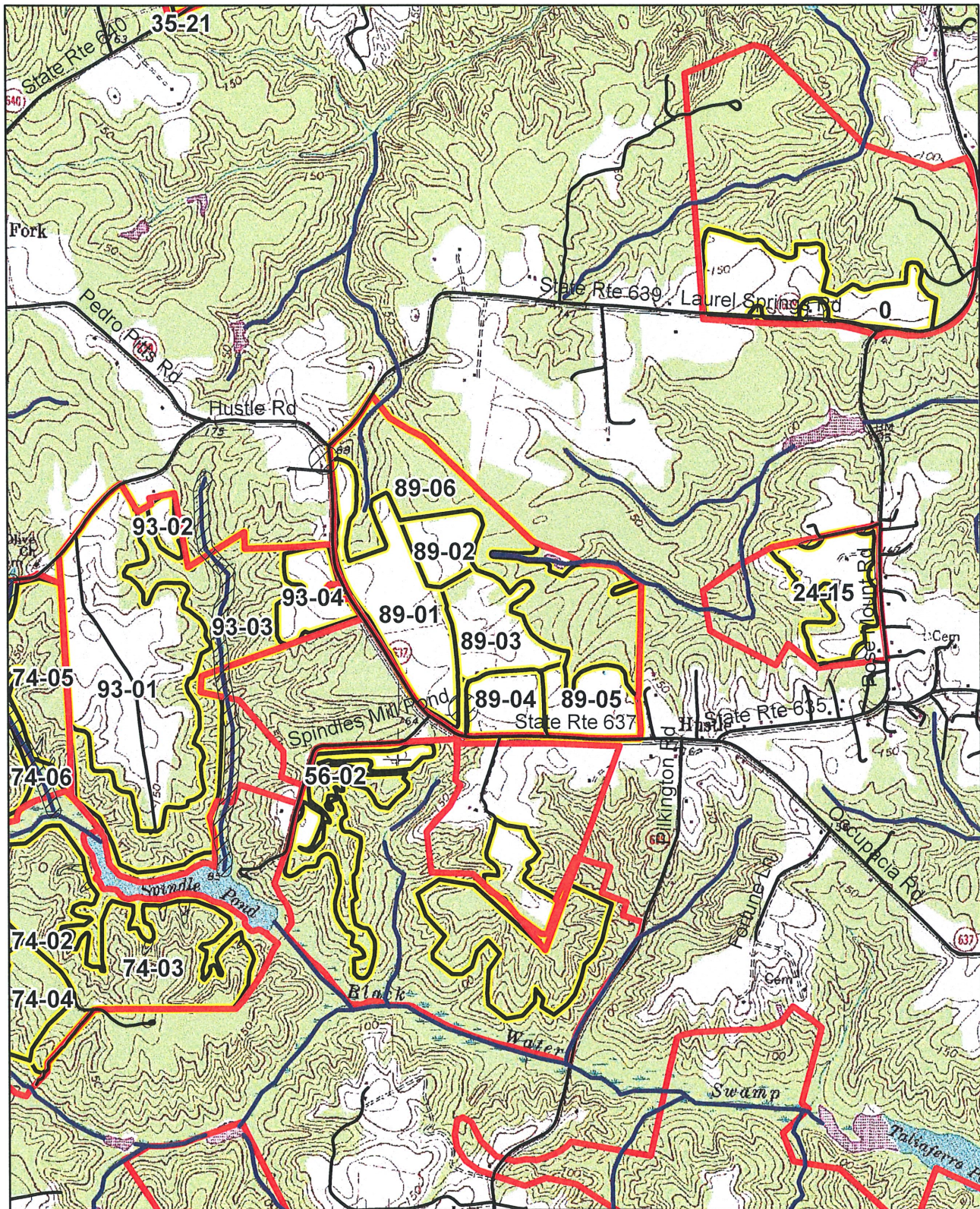
1 inch = 660 feet

Topo Map

1:7,920

FIELD	ACRES	FIELD	ACRES
89-07	6.7	89-11	14.8
89-08	9.0	89-12	41.7
89-09	4.6	89-13	24.9
89-10	14.4		

5/22/23

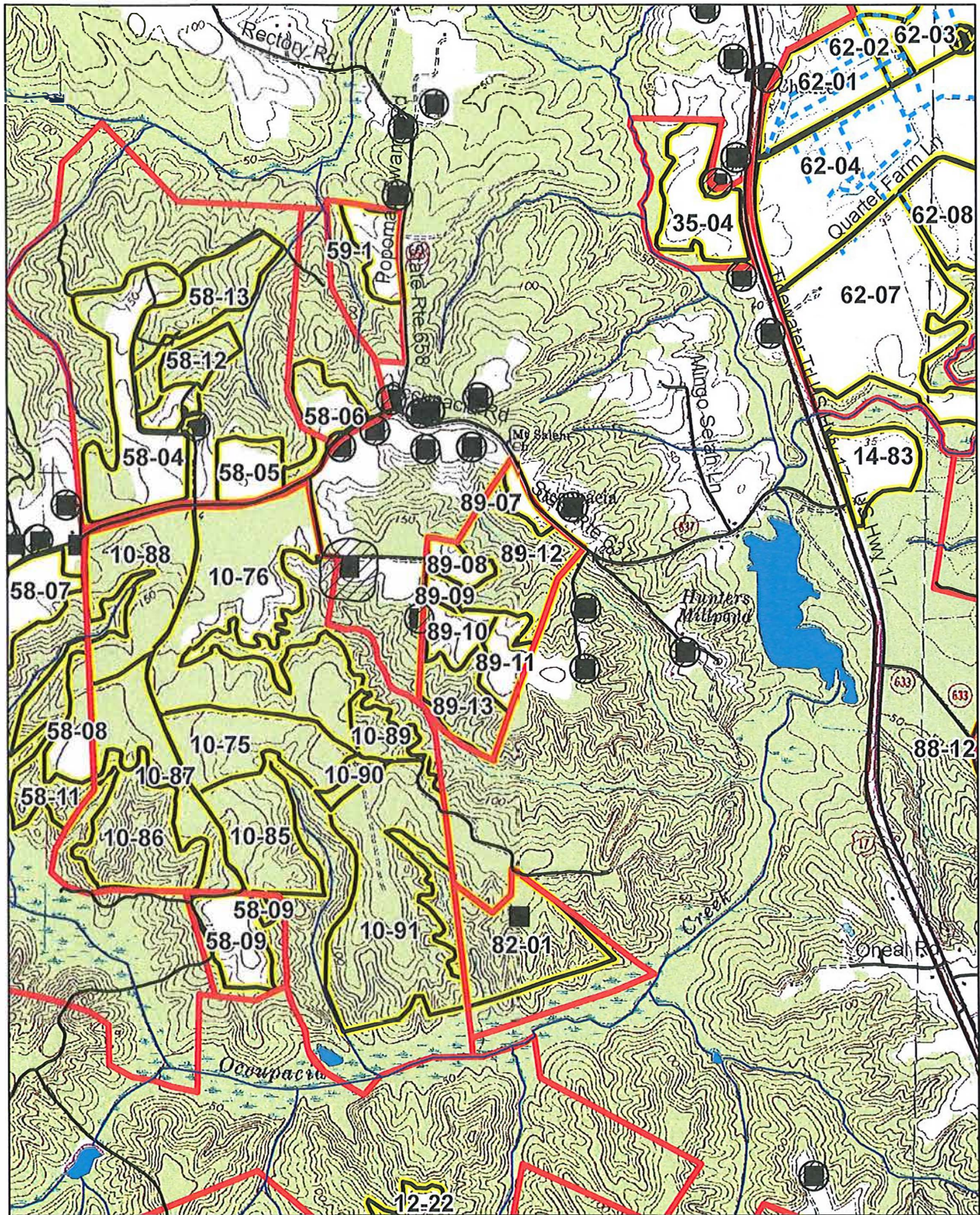


1 inch = 2,000 feet

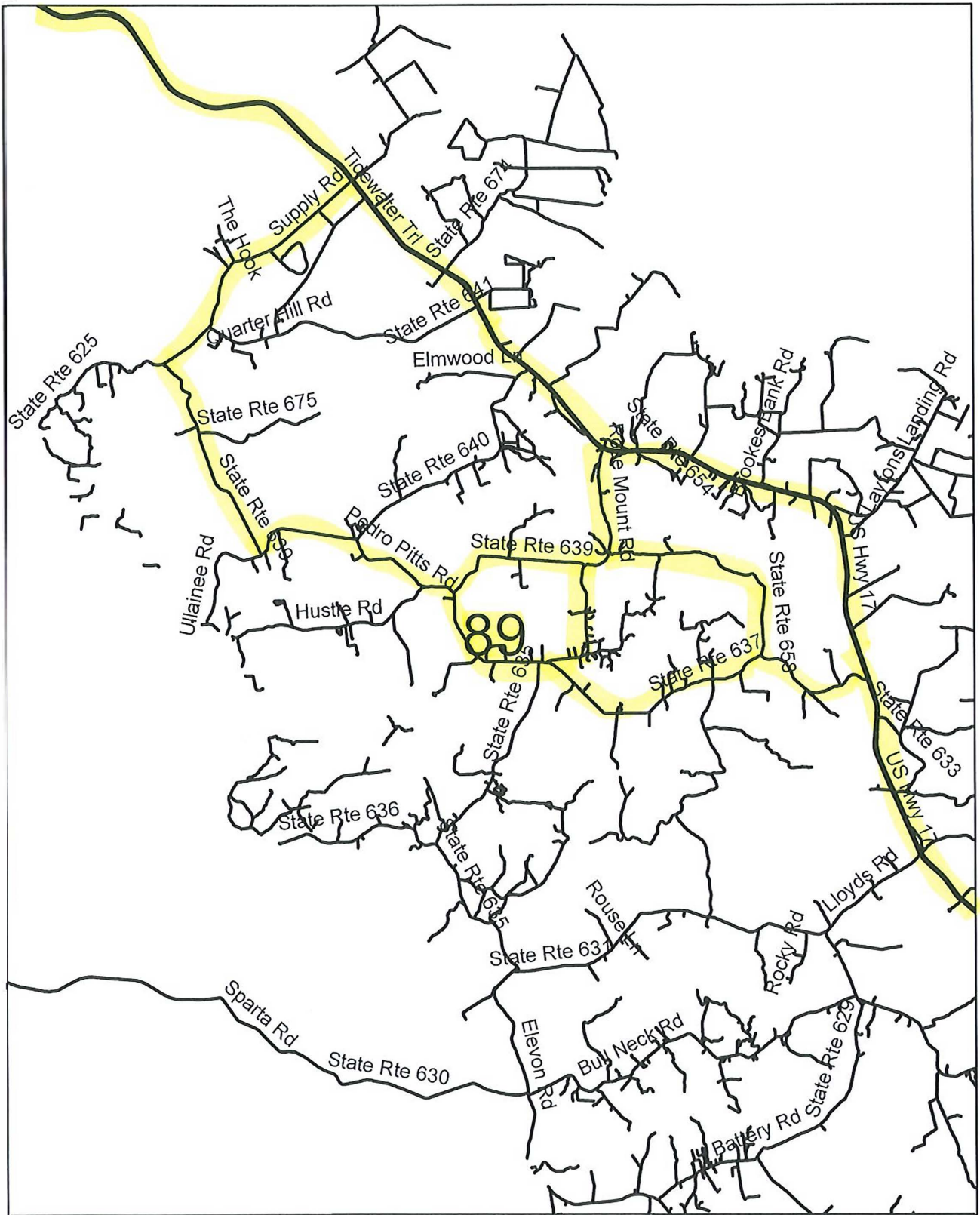
TOPO MAP

1:24,000

Revised 04/03/2024



5/22/23



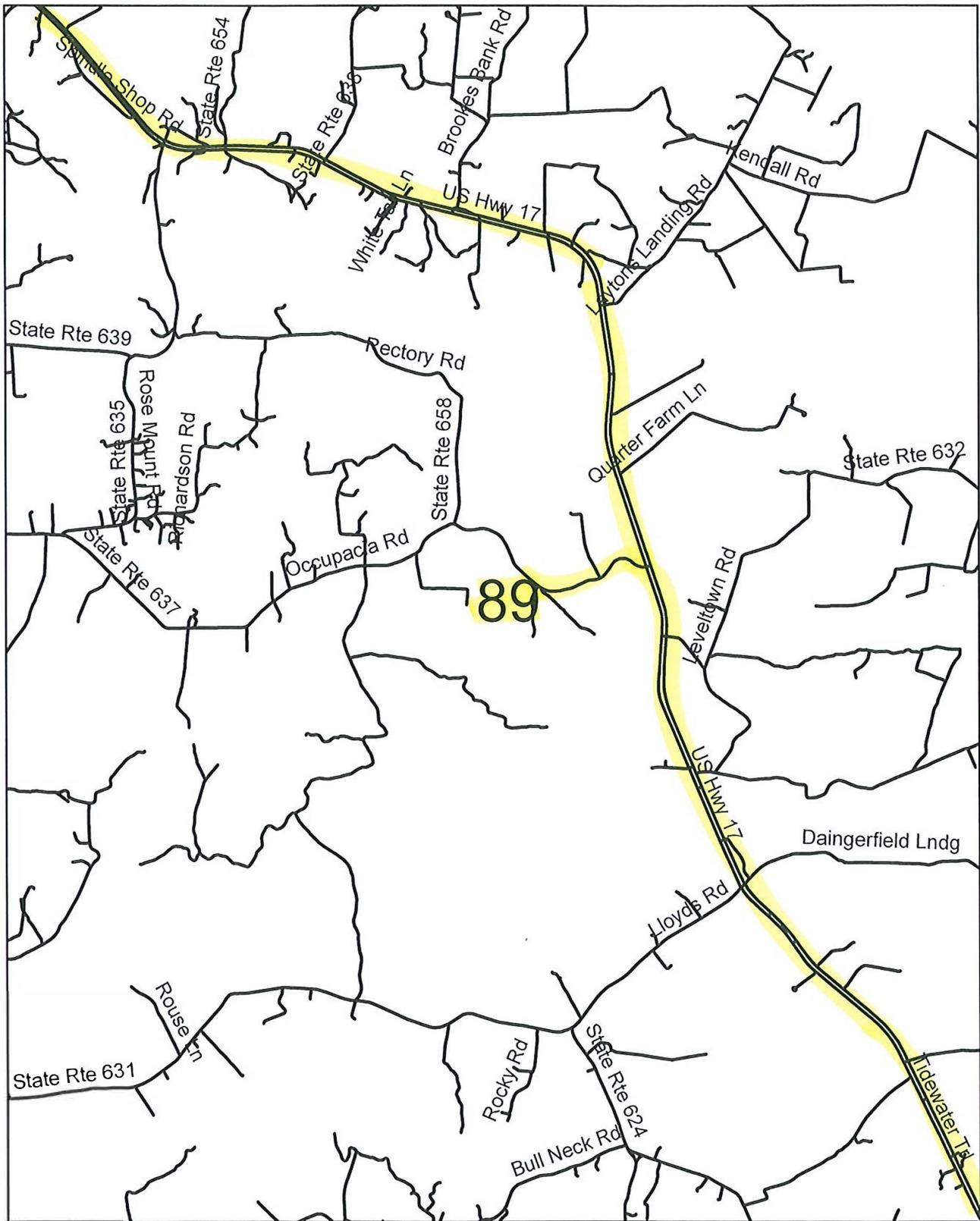
1 inch = 8,333 feet

LOCATION MAP

1:100,000

 - Haul Route


5/22/23



1 inch = 4,583 feet

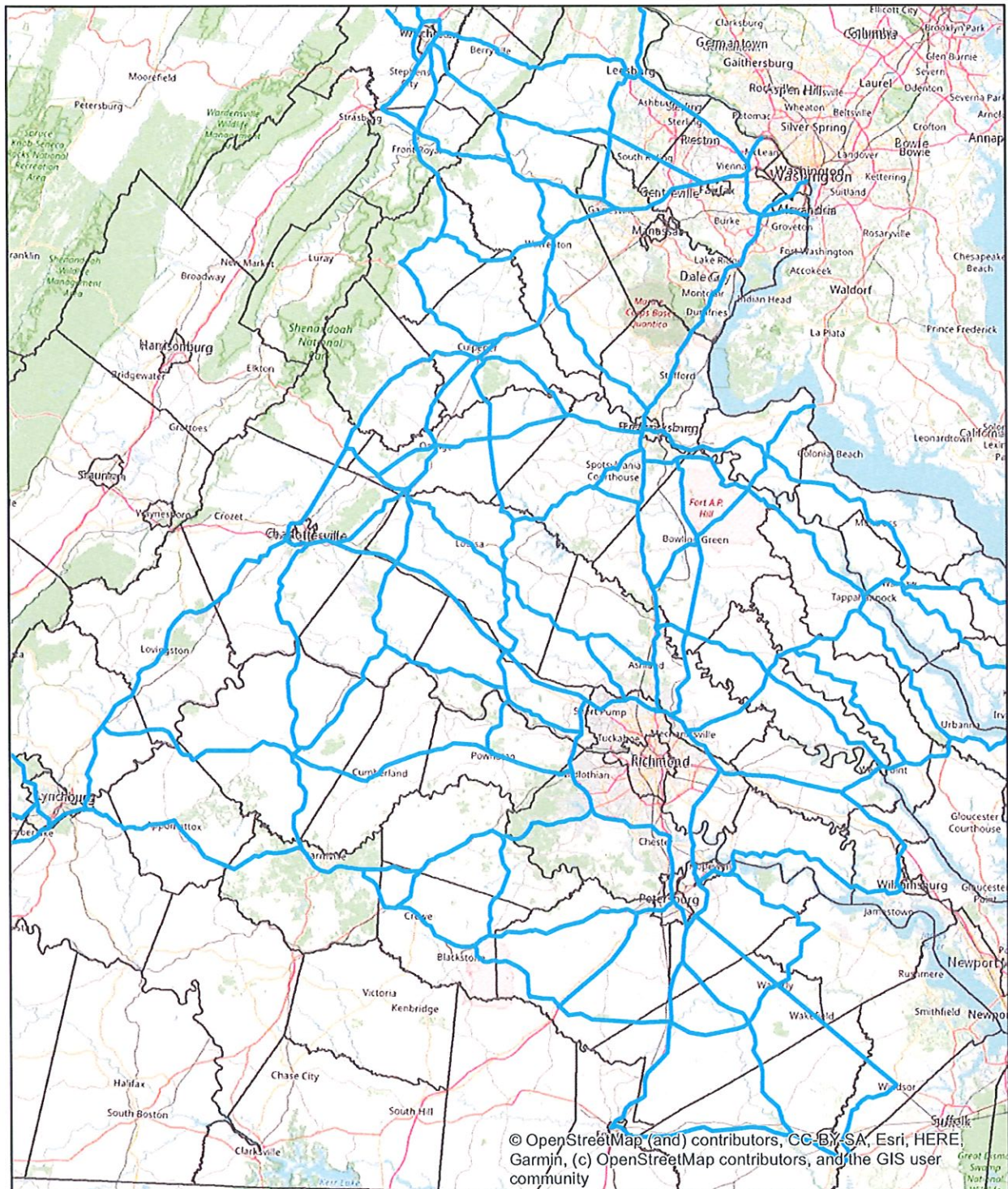
LOCATION MAP

1:55,000

 - Haul Route

5/22/23

SYNAGRO



 Haul Route

HAUL ROUTE MAP

1:1,500,000

This map highlights all major routes from approved generators to the locations of permitted sites. The Highlighted routes on the Location Map will pinpoint routes closer to the site.