

LAND APPLICATION OF BIOSOLIDS
DAVID LONGEST

EX 91 (FIELDS 01-07)
ESSEX COUNTY, VIRGINIA
SEPTEMBER 01, 2021



1681 Tappahannock Blvd
Tappahannock, VA 22560
www.synagro.com



AUGUST 31, 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 David Longest (designated as EX 91, fields 01-07), 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,

A handwritten signature in black ink that reads "Hunter Davis". The signature is written in a cursive, flowing style.

Hunter Davis


Technical Services Specialist

SYNAGRO

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: John David Longest Trustee PHONE: (804) 240-7200
ADDRESS: 760 Poplar Mill Road, Newtown, VA 23126
FARM LOCATION: 1.25 miles southwest of Supply, on the south side of RT 625
FSA TRACT #: _____
TOTAL ACRES: _____ COUNTY: Essex
CROPS: Forestland

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

9/25/2020
DATE

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 Sept 1, 2020 between John David Longest Trustee 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 County 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
9-31	9-37	9-45	
9-32 A	9-39	9-48	
9-35 A	9-41		

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:

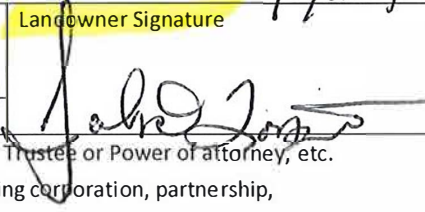
1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

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> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>Water treatment residuals</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>Food processing waste</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<u>Other industrial sludges</u> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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9/1/20

Printed name <u>John David Longest Trustee</u>	Mailing Address <u>760 Poplar Hill Road Newtown, VA 23106</u>	Landowner Signature 
By: <u>John D. Longest</u>	Phone No. <u>804/240-7200</u>	
Title* <u>Trustee</u>		
<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 Central, LLC 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 <u>1681 Tappahannock Blvd Tappahannock Va, 22560</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Services Specialist</u>	Phone No. <u>443-2170</u>	

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

Permittee: Synagro Central LLC County or City: Essex
Landowner: John David Longest Trustee

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

John David Longest Trustee

Date

10/15/2020



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 91)

Please Print

(Signatures not required on this page)

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
9-41	JOHN DAVID LONGEST TRUSTEE
9-39	JOHN DAVID LONGEST TRUSTEE
9-37	JOHN DAVID LONGEST TRUSTEE
9-45	JOHN DAVID LONGEST TRUSTEE
9-48	JOHN DAVID LONGEST TRUSTEE
9-35A	JOHN DAVID LONGEST TRUSTEE
9-31	JOHN DAVID LONGEST TRUSTEE
9-39	JOHN DAVID LONGEST TRUSTEE
9-32A	JOHN DAVID LONGEST TRUSTEE

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / / 41 / /

Acct# 1186

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$14,000

Class Agricultural- 20-100 Ac

Appraisal \$34,875

PID 202

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$34,875	\$34,875	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$34,875	\$34,875	\$14,000	\$14,000

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / 39 / 1

Acct# 1185

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$13,400

Class Agricultural- 20-100 Ac

Appraisal \$38,325

PID 201

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements	Land	Total		
2021	\$0	\$38,325	\$38,325		
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$38,325	\$38,325	\$13,400	\$13,400

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9/137/1

Acct# 1066

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$6,000

Class Sngl Fam Res - Suburban

Appraisal \$30,000

PID 73

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$30,000	\$30,000	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$30,000	\$30,000	\$6,000	\$6,000

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / 45 / 1

Acct# 1188

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$17,300

Class Agricultural- 20-100 Ac

Appraisal \$56,600

PID 204

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021			\$0	\$56,600	\$56,600
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$56,600	\$56,600	\$17,300	\$17,300

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
Co-Owner
Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
Certificate
Book & Page 199/437
Sale Date 04/22/2020
Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0		199/437	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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / 48 / 1

Acct# 1187

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$16,200

Class Agricultural- 20-100 Ac

Appraisal \$40,500

PID 203

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021			\$0	\$40,500	\$40,500
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$40,500	\$40,500	\$16,200	\$16,200

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
Co-Owner
Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
Certificate 17
Book & Page 0/0
Sale Date 12/12/2017
Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / 35 / A /

Acct# 1096

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$7,200

Class Sngl Fam Res - Suburban

Appraisal \$36,000

PID 105

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021			\$0	\$36,000	\$36,000
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$36,000	\$36,000	\$7,200	\$7,200

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate
 Book & Page 293/721
 Sale Date 06/02/2004
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0		293/721	00	06/02/2004

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / / 31 / /

Acct# 1183

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$12,900

Class Agricultural- 20-100 Ac

Appraisal \$32,250

PID 199

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$32,250	\$32,250	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$32,250	\$32,250	\$12,900	\$12,900

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9 / / 39 / /

Acct# 1185

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$13,400

Class Agricultural- 20-100 Ac

Appraisal \$38,325

PID 201

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$38,325	\$38,325	

Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$38,325	\$38,325	\$13,400	\$13,400

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

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>

0 SUPPLY RD RT 625 (OFF)

Location 0 SUPPLY RD RT 625 (OFF)

Mblu 9/ / 32/ A/

Acct# 1184

Owner LONGEST JOHN DAVID TRUSTEE

Clean & Green Total \$8,600

Class Sngl Fam Res - Suburban

Appraisal \$35,832

PID 200

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$35,832	\$35,832	

Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$35,832	\$35,832	\$8,600	\$8,600

Owner of Record

Owner LONGEST JOHN DAVID TRUSTEE
 Co-Owner
 Address 760 POPLAR HILL RD
 NEWTOWN, VA 23126

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 12/12/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LONGEST JOHN DAVID TRUSTEE	\$0	17	0/0	00	12/12/2017

Building Information

Building 1 : Section 1

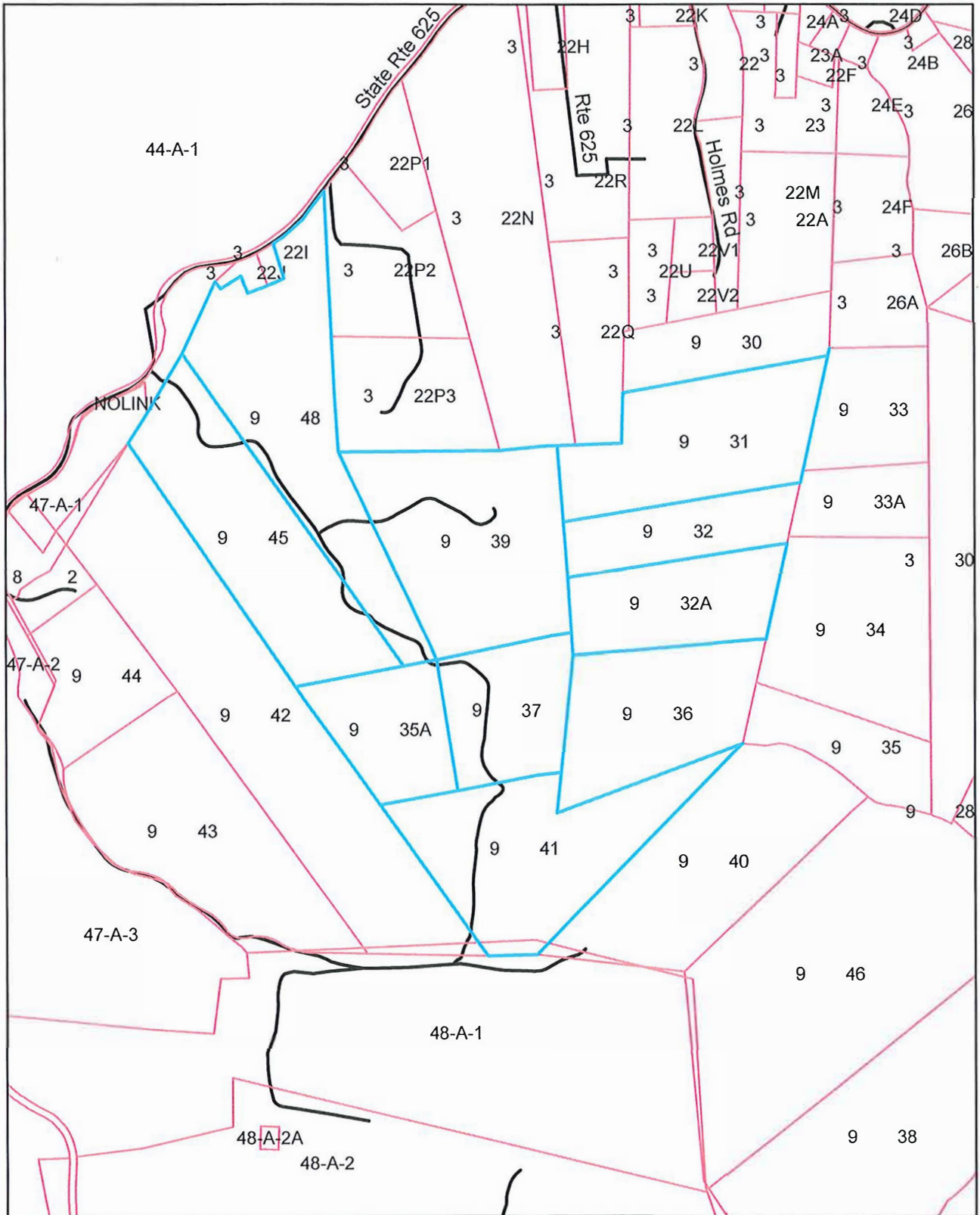
Year Built:
 Living Area: 0
 Replacement Cost: \$0
 Building Percent Good:

Building Photo

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

EX 91 - Adjoining Property w/n 400'

Parcel ID	Owner 1	Owner 2	Address	City	State	Zip
3-22A	WALLACE GAIL H ET AL		3655 SUPPLY RD	CARET	VA	22436
3-22-I	PROPST JORDAN MATTHEW		6075 POND PLACE WAY	MECHANICSVILLE	VA	23111
3-22-J	SHEPPARD LESLIE T JR ET AL		6 SWANNEE COURT	ASHLAND	VA	23005
3-22-M	HARPER NAPOLEON BERNARD JR ET UX		12 NOEL DR	FREDERICKSBURG	VA	22401
3-22-N	PARR PHYLLIS LANE		4061 SUPPLY RD	CARET	VA	22436
3-22-P1	RUSH STEVEN L	RUSH VIDYA R/S	4175 SUPPLY RD	CARET	VA	22436
3-22-P2	NELSON KRISTIE M		4219 SUPPLY RD	CARET	VA	22436
3-22-P3	WISE VERONICA ANN	WISE JOHN WALTER R/S	24653 HORSE SHOE RD	CLEMENTS	MD	20624
3-22-Q	PARR ESTHER C		3915 SUPPLY RD	CARET	VA	22436
3-22-U	FERGUSON BERNICE F		3789 SUPPLY RD	CARET	VA	22436
3-22-V2	SILVERS ADAMINA GHOST		94 HOLMES RD	CARET	VA	2246
3-26A	WILLIAMS DIANA		3655 SUPPLY RD	CARET	VA	22436
9-30	POLLARD CARL E	POLLARD PHYLLIS J R/S	10614 COBBLESTONE DR	SPOTSYLVANIA	VA	22553
9-31	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-32	JONES WILSON		4316 OXFORD DRIVE	SUITLAND	MD	20746
9-32A	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-33	JONES WILSON & LEWIS		4316 OXFORD DRIVE	SUITLAND	MD	20746
9-33A	MAGRUDER JOHN C	MAGRUDER JENNIFER P R/S	247 BRUCE RD	TAPPAHANNOCK	VA	22560
9-34	LEE BRUCE R	LEE DIANE R R/S	19507 WARE CREEK RD	RAPPAHANNOCK ACADEMY	VA	22538
9-35	DESHAZO THOMAS L ET AL		94 HOLLYWOOD FARM RD	FREDERICKSBURG	VA	22405
9-35A	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-36	DESHAZO THOMAS L ET AL		94 HOLLYWOOD FARM RD	FREDERICKSBURG	VA	22405
9-37	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-39	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-40	PINE HILL LLC		94 HOLLYWOOD FARM RD	FREDERICKSBURG	VA	22405
9-41	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-42	MURPHY LIVIA M		13700 PERIMETER DR	FREDERICKSBURG	VA	22407
9-45	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126
9-48	LONGEST JOHN DAVID TRUSTEE		760 POPLAR HILL RD	NEWTOWN	VA	23126



1 inch = 833 feet

TAX MAP

1:10,000

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

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
John David Longest Trustee	91-01	9-41
John David Longest Trustee	91-02	9-41
		9-39
		9-37
		9-45
		9-48
John David Longest Trustee	91-03	9-35A
		9-37
		9-41
John David Longest Trustee	90-04	9-35A
John David Longest Trustee	91-05	9-35A
		9-45
		9-48
John David Longest Trustee	91-06	9-31
		9-39
John David Longest Trustee	91-07	9-32A

Field Number	Latitude (North)	Longitude (West)
91-01	38.074°	-77.157°
91-02	38.078°	-77.159°
91-03	38.076°	-77.161°
91-04	38.076°	-77.162°
91-05	38.079°	-77.164°
91-06	38.081°	-77.156°
91-07	38.078°	-77.155°

*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.

Farm Summary Report

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

Farm Name: **New Farm**
 Location: Essex
 Specialist: Hunter Davis
 N-based Acres: 141.0
 P-based Acres: 0.0

Tract Name: **EX91**
 FSA Number: 0
 Location: Essex

Field Name: **1**
 Total Acres: 11.60 Usable Acres: 11.60
 FSA Number: 0
 Tract: EX91
 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
1	9B	Emporia
96	19E	Emporia Rumford
2	23B	Suffolk

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with potential for leaching based on soil texture or excessive drainage

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
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Field Name: 2
 Total Acres: 62.10 Usable Acres: 62.10
 FSA Number: 0
 Tract: EX91
 Location: Essex
 Slope Class: D 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
6	9B	Emporia
1	10B	Kempsville
32	19E	Emporia Rumford
33	20D	Rumford Slagle
27	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: 3
 Total Acres: 9.30 Usable Acres: 9.30
 FSA Number: 0
 Tract: EX91
 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
74	19E	Emporia Rumford
27	9B	Emporia

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: 4
 Total Acres: 1.90 Usable Acres: 1.90
 FSA Number: 0
 Tract: EX91
 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
100	19E	Emporia Rumford

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: 5
 Total Acres: 24.90 Usable Acres: 24.90
 FSA Number: 0
 Tract: EX91
 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
10	19E	Emporia Rumford
20	20D	Rumford Slagle
70	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: 6
 Total Acres: 22.70 Usable Acres: 22.70
 FSA Number: 0
 Tract: EX91
 Location: Essex
 Slope Class: D 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
4	9B	Emporia
75	20D	Rumford Slagle
21	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: 7
 Total Acres: 8.50 Usable Acres: 8.50
 FSA Number: 0
 Tract: EX91
 Location: Essex
 Slope Class: D 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
56	9B	Emporia
35	19E	Emporia Rumford
9	20D	Rumford Slagle

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
---------	-------	-----------

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
91-01	High Leaching Potential (Map Unit 19E - 96%)
91-02	High Leaching Potential (Map Units 19E, 20D - 65%)
91-03	High Leaching Potential (Map Unit 19E- 74%)
91-04	High Leaching Potential (Map Unit 19E- 100%)
91-05	High Leaching Potential (Map Units 19E, 20D - 30%)
91-06	High Leaching Potential (Map Unit 20D - 75%)
91-07	High Leaching Potential (Map Units 19E, 20D - 44)

Essex County Soils that 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
20D	Rumford			Leaching
25A	Tomotley	Jan-Apr, Nov-Dec		

Map Legend



House/Dwelling with a well

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



Rock Outcrop

- 25' buffer



Limestone Outcrop / Closed Sinkholes

- 50' buffer



Well/Springs/Open Sinkholes

- 100' buffer



Lake/Pond

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



Slope which exceeds 15%



"PAS" - Publicly Accessible Site

- 200' buffer



Stream/River

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



Agricultural/Drainage Ditch

- 10' buffer

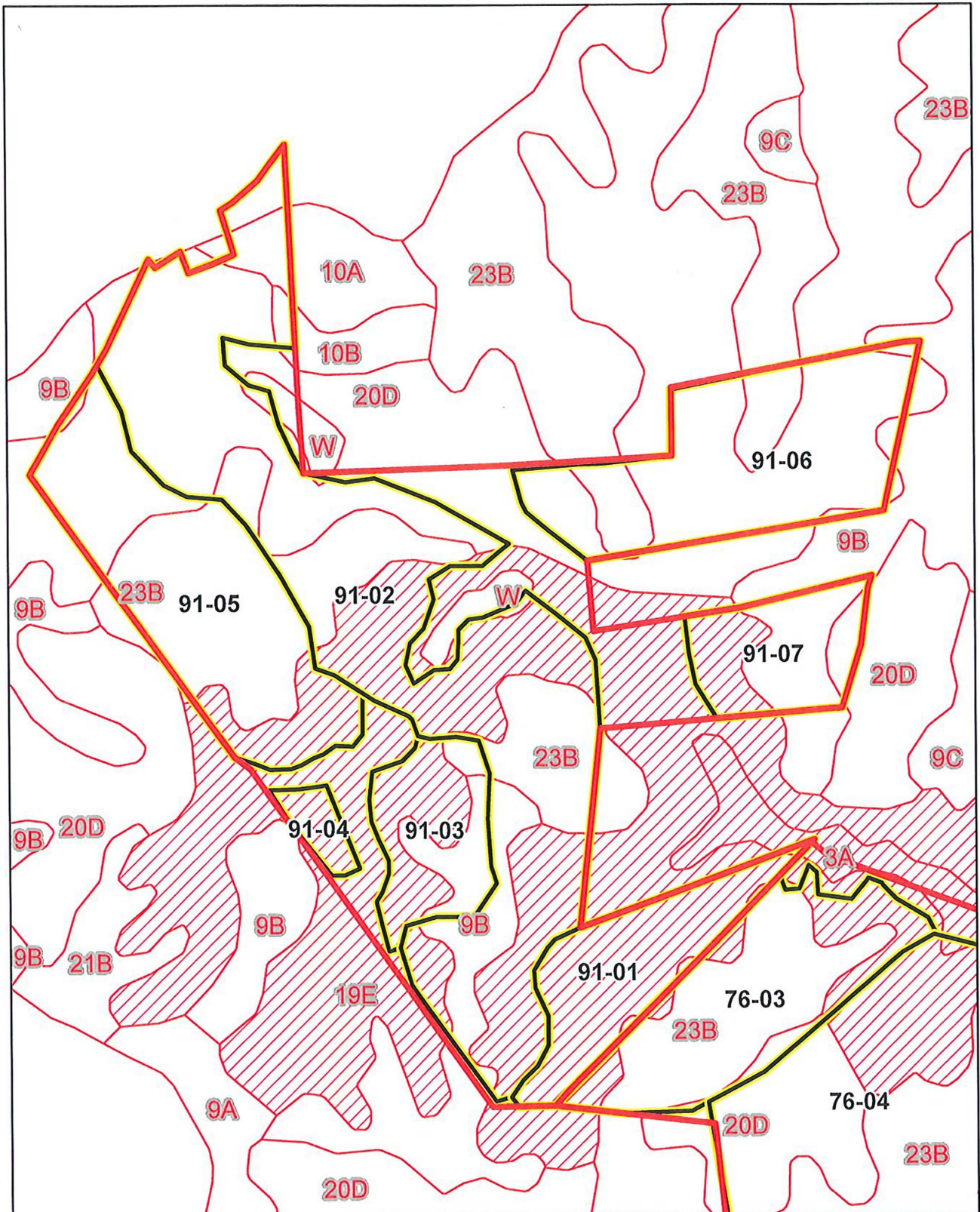


Field Boundary



Property Line

- 100' buffer unless waiver issued



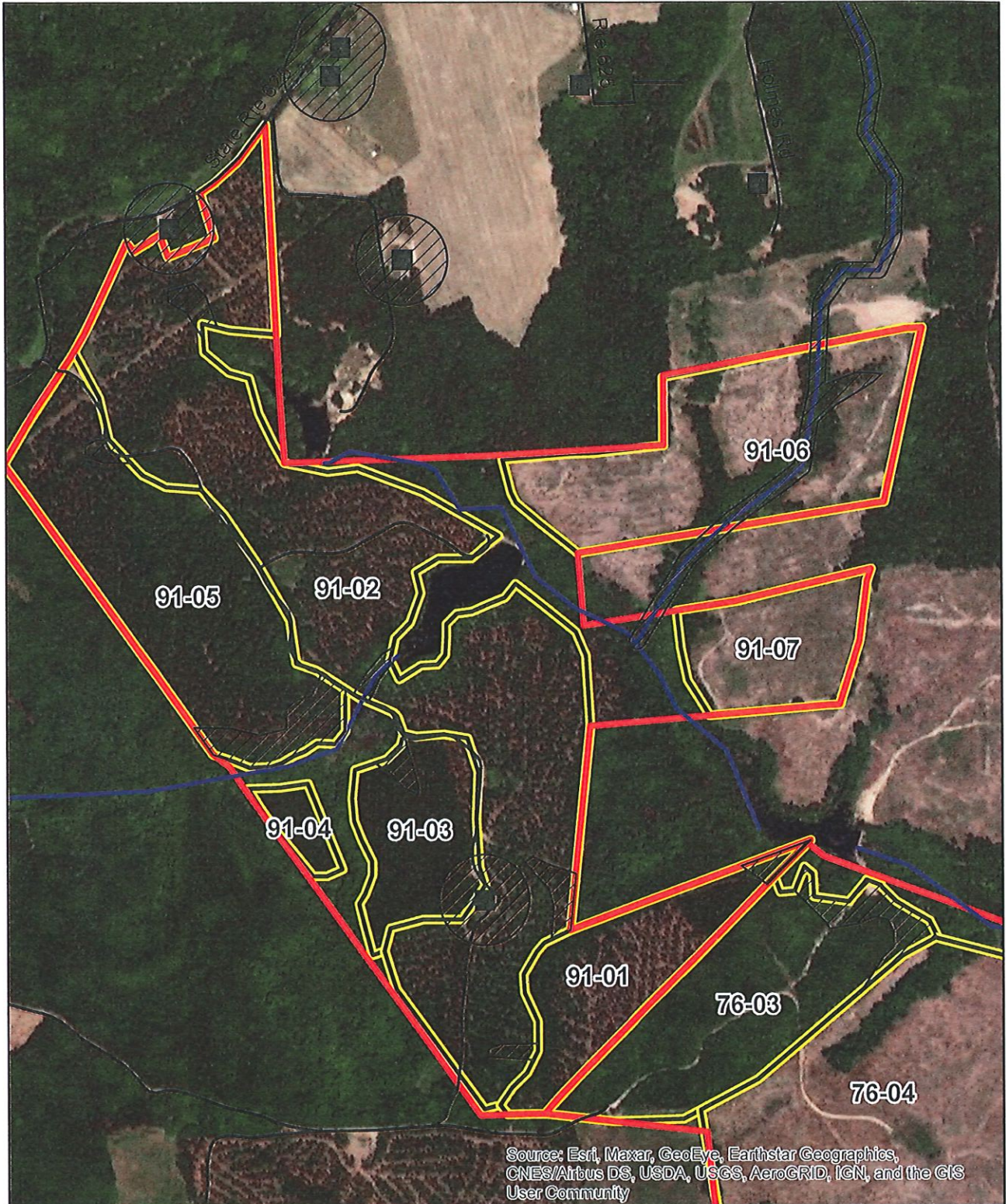
1 inch = 660 feet

SOIL MAP

1:7,920

 Environmentally Sensitive Soils

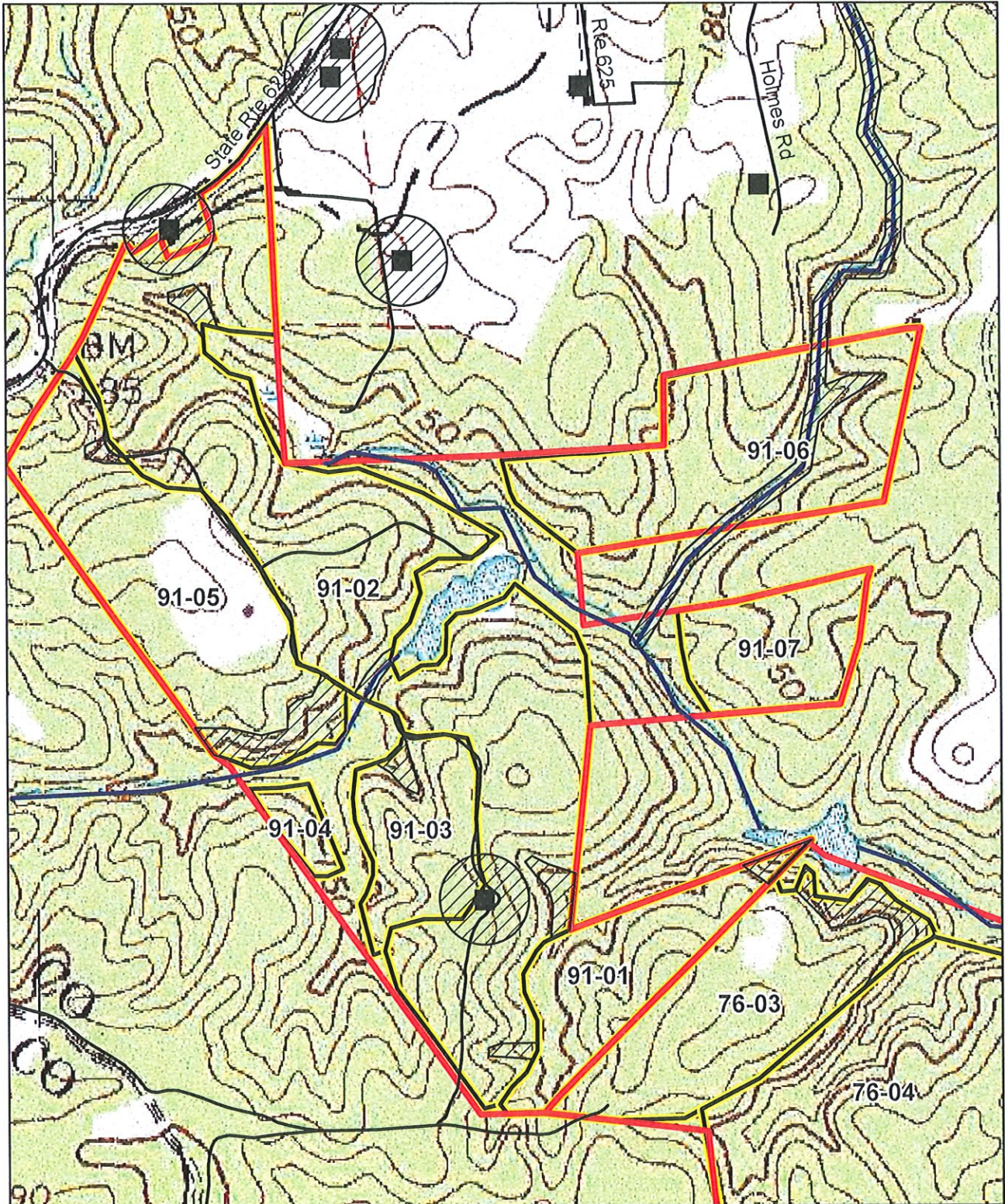
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1 inch = 660 feet

AERIAL MAP

1:7,920



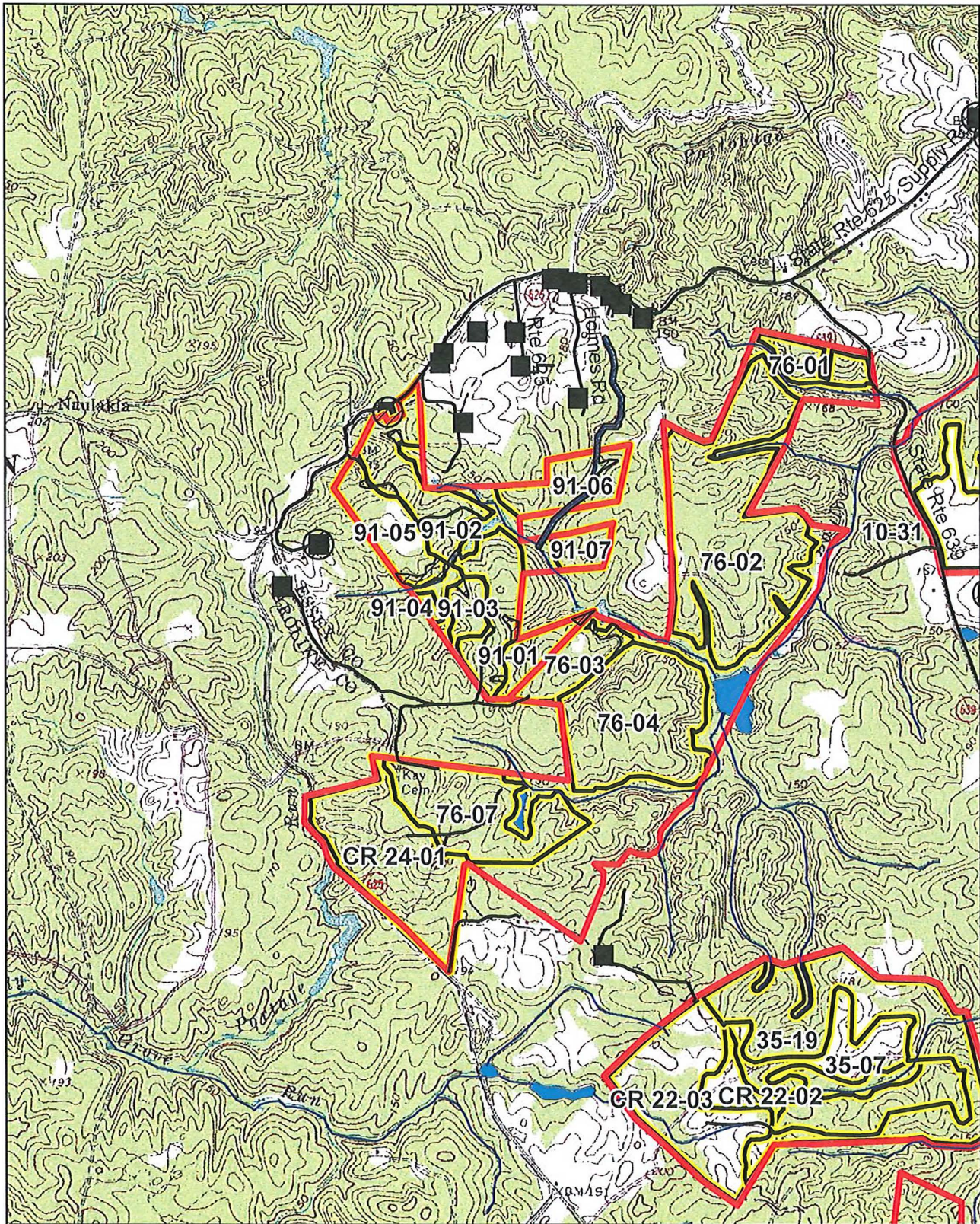
1 inch = 660 feet

TOPO MAP

1:7,920

FIELD	ACRES	FIELD	ACRES	FIELD	ACRES
91-01	11.6	91-04	1.9	91-07	8.5
91-02	62.1	91-05	24.9		
91-03	9.3	91-06	22.7		

Revised 05/06/2024

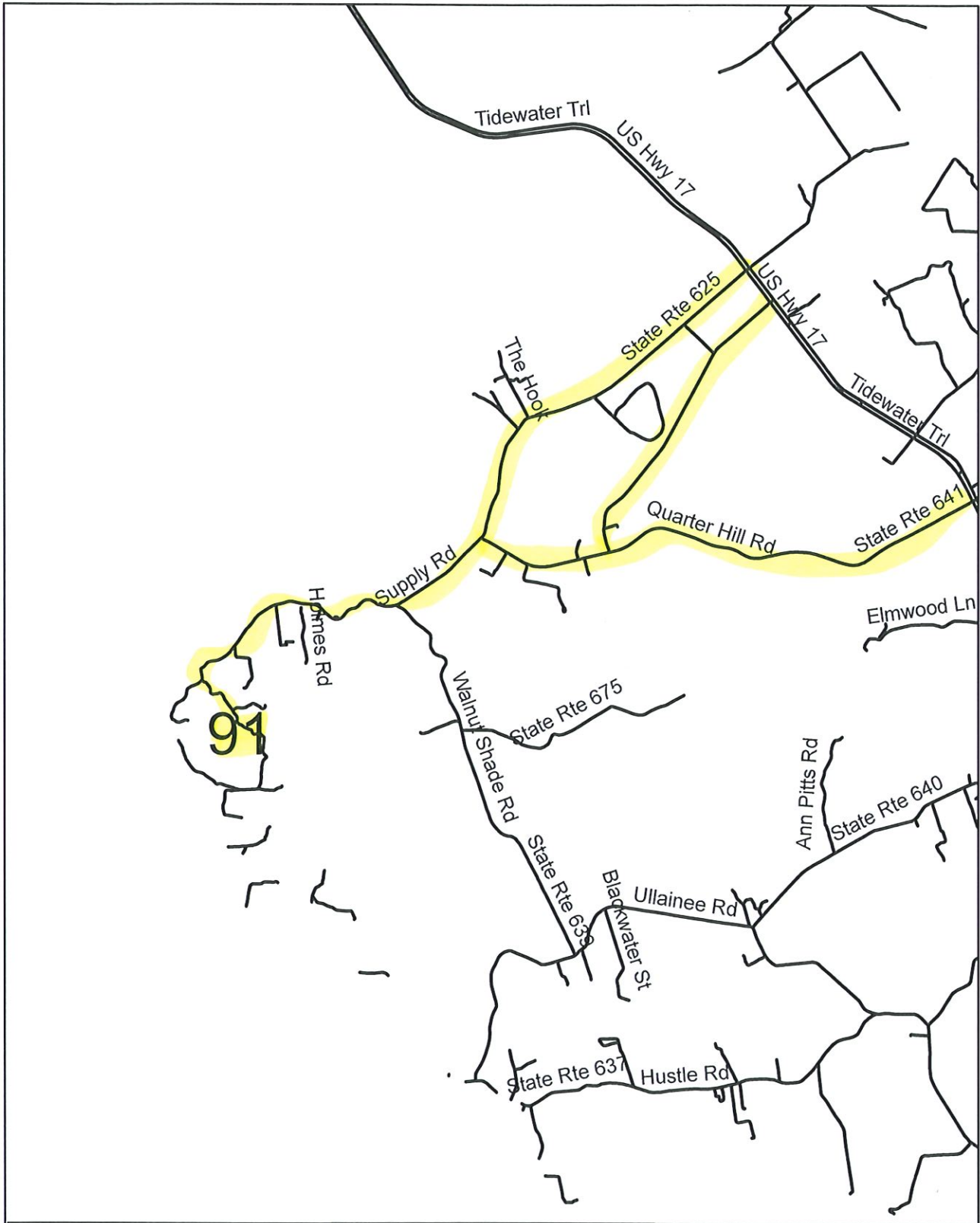


1 inch = 2,000 feet

TOPO MAP

1:24,000


5/22/23



1 inch = 4,583 feet

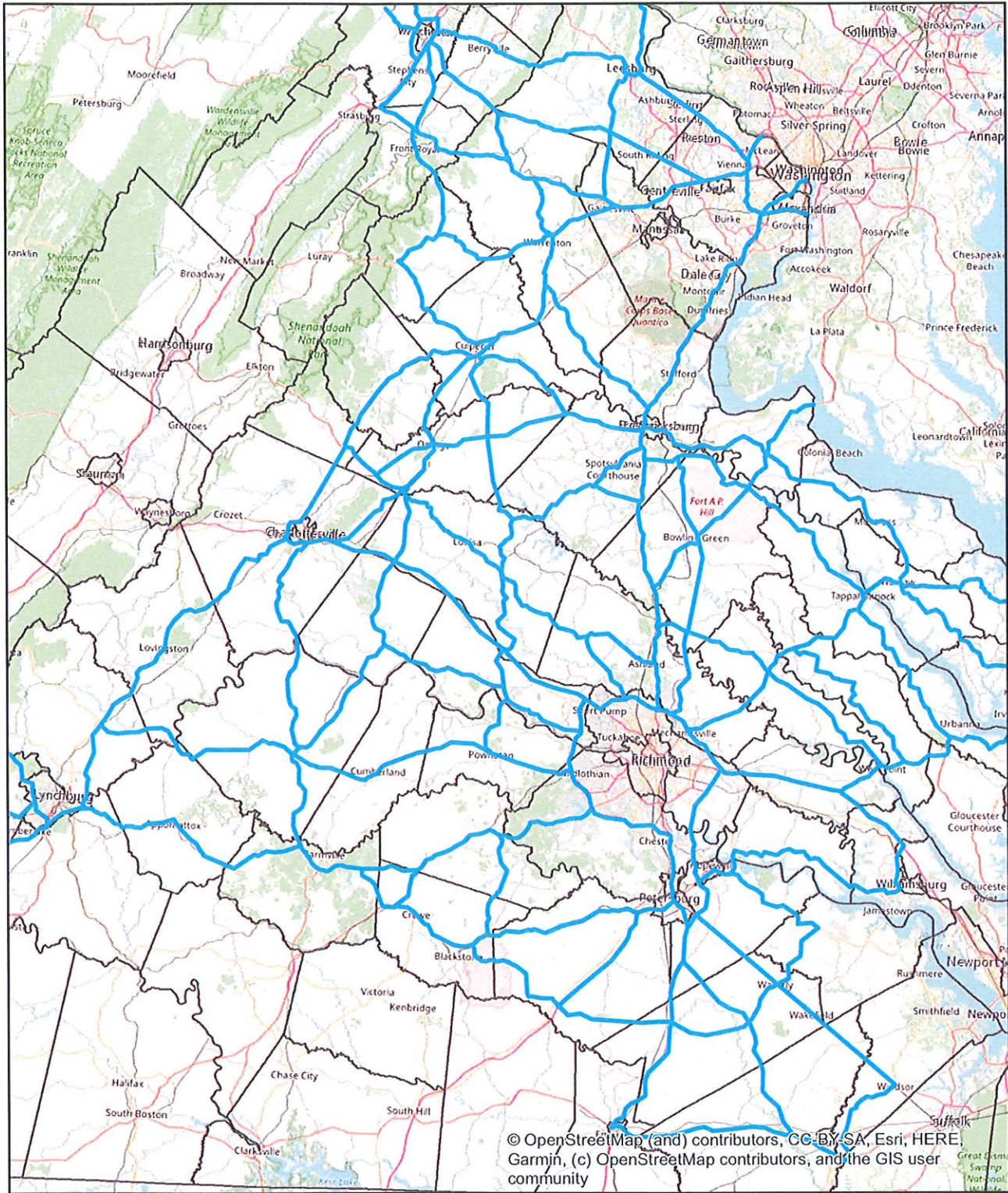
LOCATION MAP

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.