

LAND APPLICATION OF BIOSOLIDS
CLARENCE TIGNOR JR

EX 93 (FIELDS 01-05)
ESSEX COUNTY, VIRGINIA
OCTOBER 20, 2022



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



OCTOBER 20, 2022

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 Clarence Tignor Jr. (designated as EX 93, fields 01-05), 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 "Wayne T. Webb Jr." in a cursive script.

Wayne T. Webb Jr.

Technical Services Manager

SYNAGRO

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Clarence Tignor Jr. ^X PHONE: (804) 994-4476

^X ADDRESS: 31325 Sparta Rd Milford, Va 22514

FARM LOCATION: _____

FSA TRACT #: _____

TOTAL ACRES: _____ COUNTY: ESSEX

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.

^X Clarence Tignor Jr.
OPERATOR'S SIGNATURE

11/10/2022
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 10/26/22 between Elsie A Tignor 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
10-74			
10-78			

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 Elsie A Tignor	Mailing Address 31194 Sparta Rd Milford Va 22574	Landowner Signature <i>Elsie A. Tignor</i>
By: <u>Elsie A Tignor</u>	Phone No. <u>804 994 4476</u>	
Title* <u>owner</u>	<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.	

Permittee:

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 Wayne T. Webb Jr.	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature <i>Wayne T. Webb Jr</i>
Title: Technical Services Manager	Phone No. 804-443-2170	

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Elsie A Tignor

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

10/26/2022
Date

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
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A. This land application agreement is made on 10/26/22 between Elsie A Tignor & Clarence W Tignor Jr 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
10-75			
16-3B			

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>Elsie A Tignor & Clarence W Tignor Jr</u>	Mailing Address <u>31194 sparta Rd Midford Va 22514</u>	Landowner Signature <u>[Signature]</u>
By: <u>Clarence W Tignor</u>	Phone No. <u>804 994 4476</u>	
Title* <u>Owner</u>		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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>Wayne T. Webb Jr.</u>	Mailing Address: <u>1681 Tappahannock Blvd Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature <u>Wayne T. Webb Jr</u>
Title: <u>Technical Services Manager</u>	Phone No. <u>804-443-2170</u>	

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Elsie A Tignor & Clarence W Tignor Jr

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

Clarence W Tignor Jr

10/26/2022
Date

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

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<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
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Printed name Elsie A Tignor & Clarence W Tignor Jr	Mailing Address 31194 sparta Rd Midford Va 22514	Landowner Signature <i>Elsie A Tignor</i>
By: <u>Elsie A Tignor</u>	Phone No. <u>804 994 4476</u>	
Title* <u>Owner</u>		
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

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Printed name Wayne T. Webb Jr.	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560	Permittee- Authorized Representative Signature <i>Wayne T. Webb Jr</i>
Title: Technical Services Manager	Phone No. 804-443-2170	

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Elsie A Tignor & Clarence W Tignor Jr

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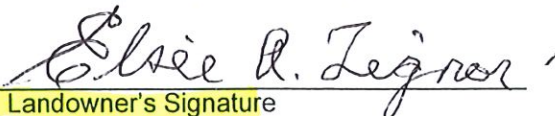
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6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).


Landowner's Signature

10/26/2022
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 10/26/22 between Clarence W Tignor Jr 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
10-76			
10-80			

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 Clarence W Tignor Jr By: <u>Clarence W Tignor</u> Title* <u>Owner</u>	Mailing Address <u>31325 Sparta Rd</u> <u>Milford Va 22514</u> Phone No. <u>804 999-4476</u>	Landowner Signature
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. * <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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 Wayne T. Webb Jr. Title: Technical Services Manager	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560 Phone No. 804-443-2170	Permittee- Authorized Representative Signature
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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Clarence W Tignor Jr

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

10/26/2022
Date

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

EX 93

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

A. This land application agreement is made on 11/10/22 between Lewis U Pearce Life Estate & Nancy R Pearce 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 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
22-9			

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.

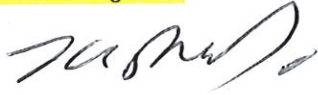
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name By: Lewis U Pearce Life Estate & Nancy R Pearce Life Estate	Mailing Address 3258 George Washington 23672	Landowner Signature 
Title* Lewis U Pearce <i>LU Pearce</i>	Phone No. 804673-2481	
* <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.

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 Wayne T. Webb Jr.	Mailing Address 1681 Tappahannock Blvd. Tappahannock, VA 22560	Permittee - Authorized Representative Signature 
Title: Technical Services Manager	Phone No. 804-443-2170	

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

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Lewis U Pearce Life Estate & Nancy R Pearce 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).


Landowner's Signature

11/10/2022
Date

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

EX 93

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

A. This land application agreement is made on 11/10/22 between Lewis U Pearce Life Estate & Nancy R Pearce 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 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
22-9			

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.


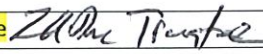
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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
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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>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name By: Lewis U Pearce Life Estate & Nancy R Pearce Life Estate	Mailing Address 3258 Grandwood 23072	Landowner Signature 
Title* Nancy R Pearce 	Phone No. 804-693-2481	
* <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.

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 Wayne T. Webb Jr.	Mailing Address 1681 Tappahannock Blvd. Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title: Technical Services Manager	Phone No. 804-443-2170	

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

Permittee: Synagro Central, LLC County or City: Essex

Landowner: Lewis U Pearce Life Estate & Nancy R Pearce 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.

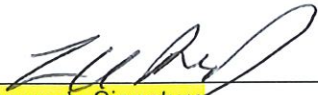
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4. Livestock Access Restrictions:

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

11/10/2022
Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Recyc Systems Inc

County: Essex

I, Elsie A Tignor, hereby terminate the “Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals” executed on _____ between myself and
(Date, if known)


Recyc Systems Inc pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
10-75		
10-76		
10-80		
16-3B		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Clarence W Tignor Jr
Landowner – Printed Name


Landowner’s Signature

10/26/2022
Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Recyc Systems Inc

County: Essex

I, Elsie A Tignor _____, hereby terminate the “Land Application Agreement –
(Landowner)

Biosolids and Industrial Residuals” executed on _____ between myself and
(Date, if known)

Recyc Systems Inc _____ pertaining to the land application of permitted
(Current Permittee Name)

biosolids/residuals on the parcel(s) identified below:

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
10-74		
10-75		
10-78		
16-3B		

X A copy of this termination of Land Application Agreement has been sent to the current permittee named above.

Elsie A Tignor _____
Landowner – Printed Name

Elsie A. Tignor
Landowner's Signature

10/26/2022
Date

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

Landowner Coordination Form

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

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

Permittee: Synagro Central, LLC County or City: Essex (EX 93)

Please Print

(Signatures not required on this page)

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
10-74	ELSIE A TIGNOR
10-76	ELSIE A TIGNOR
10-75	ELSIE A TIGNOR
	CLARENCE W TIGNOR JR
16-3-B	ELSIE A TIGNOR
	CLARENCE W TIGNOR JR
10-76	CLARENCE W TIGNOR JR
10-80	CLARENCE W TIGNOR JR
22-9	LEWIS U & NANCY R PEARCE LIFE ESTATE

0 HUSTLE RD

Location 0 HUSTLE RD

Mblu 10 / 74 / 1

Acct# 1724

Owner TIGNOR ELSIE A

Clean & Green Total \$244,300

Class Agrigultural - 100+ Ac

Appraisal \$375,185

PID 769

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021			\$0	\$375,185	\$375,185

Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$375,185	\$375,185	\$244,300	\$244,300

Owner of Record

Owner TIGNOR ELSIE A
 Co-Owner
 Address 31194 SPARTA RD
 MILFORD, VA 22514

Sale Price \$0
 Certificate
 Book & Page /
 Sale Date 11/09/2020
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR ELSIE A	\$0		/	00	11/09/2020
TIGNOR CLARENCE W ET UX	\$130,000		177/548	00	03/01/1990

Building Information

Building 1 : Section 1

Year Built:
 Living Area: 0
 Replacement Cost: \$0

0 HUSTLE RD

Location 0 HUSTLE RD

Mblu 10 / 178 / 1

Acct# 982

Owner TIGNOR ELSIE A

Clean & Green Total \$61,800

Class Agricultural- 20-100 Ac

Appraisal \$143,274

PID 10156

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$143,274	\$143,274	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$143,274	\$143,274	\$61,800	\$61,800

Owner of Record

Owner TIGNOR ELSIE A
 Co-Owner
 Address 31194 SPARTA RD
 MILFORD, VA 22514

Sale Price \$0
 Certificate
 Book & Page /
 Sale Date 11/09/2020
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR ELSIE A	\$0		/	00	11/09/2020
TIGNOR CLARENCE W & ELSIE A R/S	\$77,657		222/176	00	08/07/1997

Building Information

Building 1 : Section 1

Year Built:
 Living Area: 0
 Replacement Cost: \$0

0 HUSTLE RD

Location 0 HUSTLE RD

Mblu 10 / 75 / 1

Acct# 981

Owner TIGNOR ELSIE A

Clean & Green Total \$7,700

Class Sngl Fam Res - Suburban

Appraisal \$55,670

PID 10155

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$55,670	\$55,670	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$55,670	\$55,670	\$7,700	\$7,700

Owner of Record

Owner TIGNOR ELSIE A
 Co-Owner TIGNOR CLARENCE W JR
 Address 31194 SPARTA RD
 MILFORD, VA 22514

Sale Price \$0
 Certificate
 Book & Page /
 Sale Date 11/09/2020
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR ELSIE A	\$0		/	00	11/09/2020
TIGNOR CLARENCE W	\$10,650		207/32	00	03/24/1995

Building Information

Building 1 : Section 1

Year Built:
 Living Area: 0
 Replacement Cost: \$0

0 HUSTLE RD

Location 0 HUSTLE RD

Mblu 16 / 3 / B /

Acct# 984

Owner TIGNOR ELSIE A

Clean & Green Total \$18,400

Class Agricultural- 20-100 Ac

Appraisal \$46,095

PID 10158

Building Count 1

Current Value

Appraisal					
Valuation Year	Improvements		Land	Total	
2021	\$0		\$46,095	\$46,095	
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$46,095	\$46,095	\$18,400	\$18,400

Owner of Record

Owner TIGNOR ELSIE A

Sale Price \$0

Co-Owner TIGNOR CLARENCE W JR

Certificate

Address 31194 SPARTA RD

Book & Page /

MILFORD, VA 22514

Sale Date 11/09/2020

Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR ELSIE A	\$0		/	00	11/09/2020
TIGNOR CLARENCE W	\$0		207/32	00	04/22/2020

Building Information

Building 1 : Section 1

Year Built:

Living Area: 1,056

Replacement Cost: \$0

0 HUSTLE RD RT 637 (OFF)

Location 0 HUSTLE RD RT 637 (OFF)

Mblu 10 / 176 / 1

Acct# 931

Owner TIGNOR CLARENCE W JR

Class Sngl Fam Res - Suburban

Assessment \$40,600

Appraisal \$40,629

PID 10105

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$40,629	\$40,629

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$40,600	\$40,600

Owner of Record

Owner TIGNOR CLARENCE W JR
Co-Owner
Address 31194 SPARTA RD
 MILFORD, VA 22514

Sale Price \$0
Certificate 09
Book & Page 0/0
Sale Date 05/22/2009
Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR CLARENCE W JR	\$0	09	0/0	00	05/22/2009

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

0 HUSTLE RD (OFF)

Location 0 HUSTLE RD (OFF)

Mblu 10 / 80 /

Acct# 389

Owner TIGNOR CLARENCE W JR

Class Sngl Fam Res - Suburban

Assessment \$17,500

Appraisal \$17,500

PID 3044

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$17,500	\$17,500

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$17,500	\$17,500

Owner of Record

Owner TIGNOR CLARENCE W JR

Sale Price \$2,750

Co-Owner

Certificate

Address 31325 SPARTA RD
MILFORD, VA 22514

Book & Page 259/455

Sale Date 11/06/2001

Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIGNOR CLARENCE W JR	\$2,750		259/455	00	11/06/2001

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>)

4141 LLOYDS RD

Location 4141 LLOYDS RD

Mblu 22 / 9 / 1

Acct# 344

Owner PEARCE LEWIS U LIFE ESTATE

Class Agrigultural - 100+ Ac

Assessment \$195,400

Appraisal \$195,396

PID 2572

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$195,396	\$195,396

Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$195,400	\$195,400

Owner of Record

Owner PEARCE LEWIS U LIFE ESTATE
 Co-Owner PEARCE NANCY R LIFE ESTATE
 Address 10 PEARCEWOOD LANE
 HAMPTON, VA 23664

Sale Price \$0
 Certificate 17
 Book & Page 0/0
 Sale Date 01/23/2017
 Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
PEARCE LEWIS U LIFE ESTATE	\$0	17	0/0	00	01/23/2017

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 93 Adjoining landowners

Parcel ID	Owner Name	Owner Name	Postal Address	Postal City	State	Zip
10-34	James D Ruehl Sr Et Al		7 Poplar St	Poquoson	VA	23662
10-51	Mount Olive Baptist Church		PO Box 102	Hustle	VA	22476
10-74A	Corey E Johnson		5608 Johsua Tree Circle	Fredericksburg	VA	22407
10-74B	William Robert Brigham II		2245 Hustle Rd	Hustle	VA	22476
10-74C	William O Young Jr.		963 Pedro Pitts Rd	Caret	VA	22436
10-74D	Alison Burrell		PO Box 2572	Tappahannock	VA	22560
10-33B	Deantra Fayson	Samuel J Fayson	2088 Hustle Rd	Hustle	VA	22476
10-86	Harold E Sayles ET UX		PO Box 51	Hustle	VA	22476
10-81	Harold E Sayles		PO Box 52	Hustle	VA	22476
11-24	Andrew James Boarman	Jennifer Nicole Emmhart	1117 Laurel Springs Rd	Hustle	VA	22476
16-3A	James E & Louis M Channon		PO Box 307	Warsaw	VA	22572
10-77	Cynthia Ann Reynolds Life Estate		114 ullainee Rd	Caret	VA	22436
11-24	Andrew James Boarman	Jennifer Nicole Emmhart	1117 Laurel Springs Rd	Hustle	VA	22476
10-85C	Virginia Arlene Brown		PO Box 92	Port Royal	VA	22535
10-85B	Edith G Sayles		PO Box 51	Hustle	VA	22476
22-8	Robert Lee Clarke Et Ux		PO Box 163	Walkerton	VA	23177
22-1	Elsie Sykes		4032 lloyds Rd	Champlain	VA	22438
22-10	Herbert V Reynolds		PO Box 114	Tappahannock	VA	22560
22-10A	Edmund R Mozingo Et Ux		3893 Lloyds Rd	Champlain	VA	22438

TAX ID LANDOWNER IDENTIFICATION SHEET

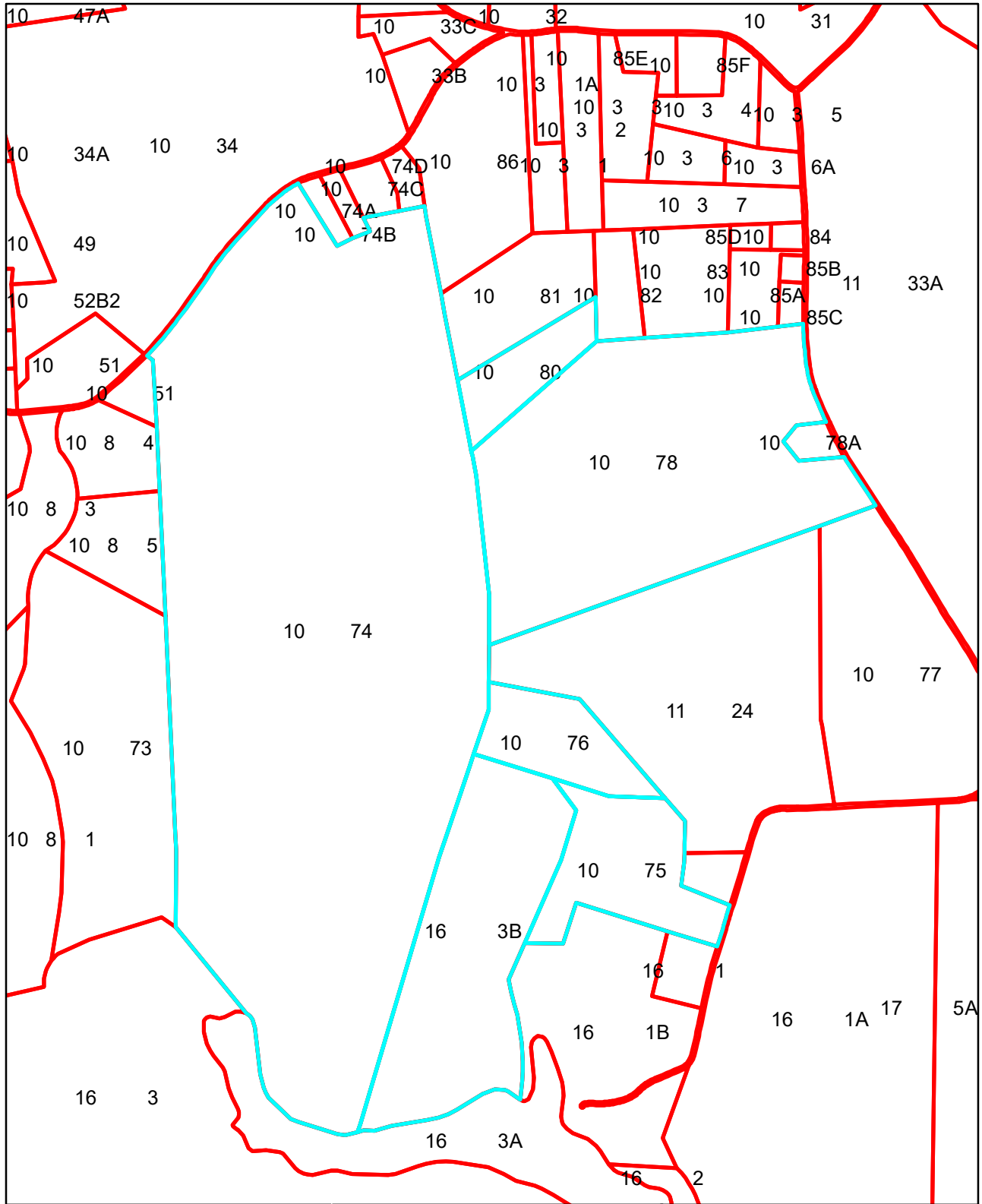
Landowner	Field Number	Tax ID
Elsie A Tignor	93-01	10-74
Elsie A Tignor	93-02	10-74
Elsie A Tignor	93-03	10-74
Elsie A Tignor & Clarence W Tignor Jr		10-75
Clarence W Tignor Jr		10-76
Elsie A Tignor		10-78
Clarence W Tignor Jr		10-80
Elsie A Tignor & Clarence W Tignor Jr		16-3B
Elsie A Tignor		93-04
Lewis U Pearce Life Estate	93-05	22-9
Nancy R Pearce Life Estate		

Field Number	Latitude (North)	Longitude (West)
93-01	38.045°	-77.096°
93-02	38.051°	-77.094°
93-03	38.048°	-77.090°
93-04	38.047°	-77.088°
93-05	37.996°	-77.055°

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

Haul Route:

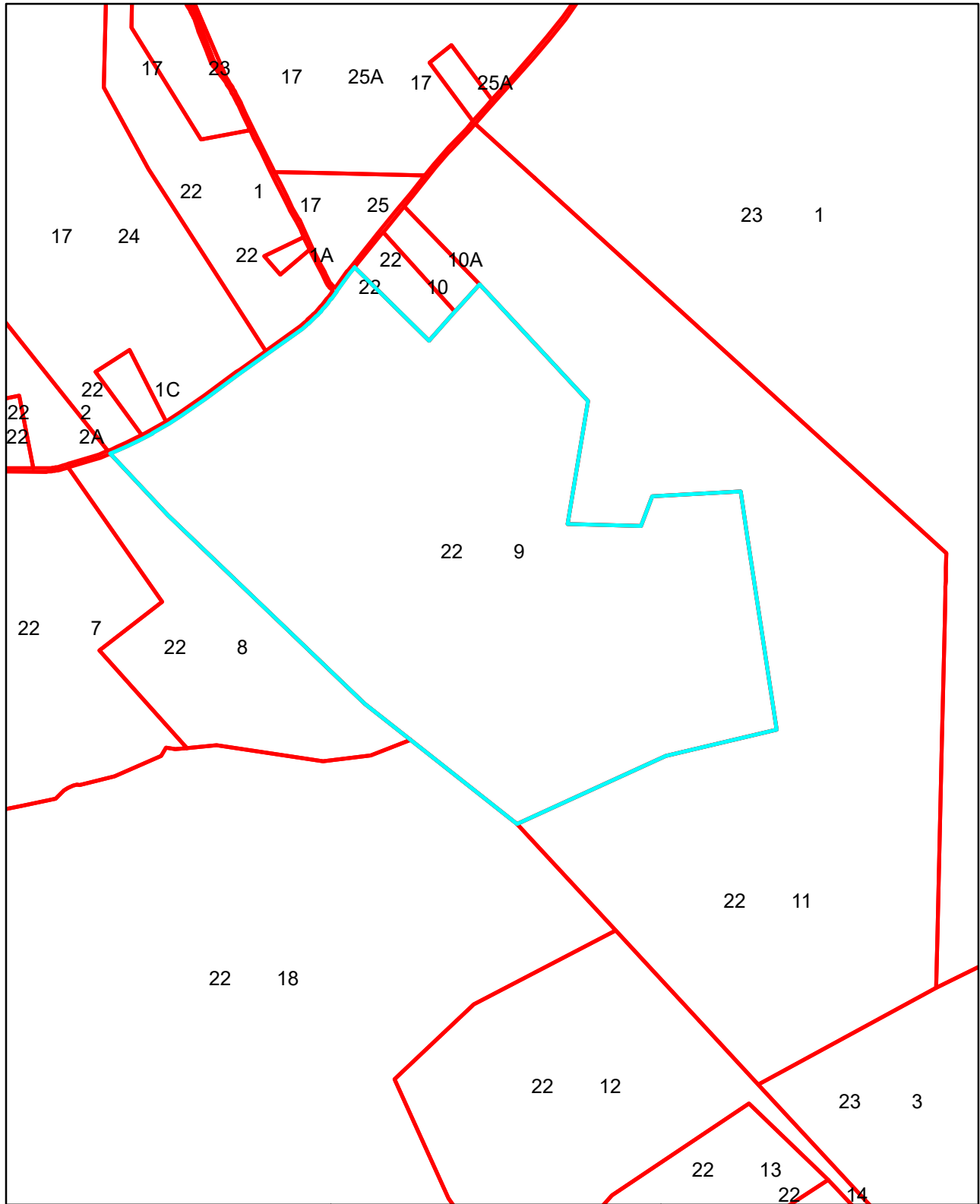
The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.



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.

Revised 3/4/2024



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.

Revised 3/4/2024

Farm Summary Report

Plan: New Plan Fall, 2022 - Fall, 2032

Farm Name: New Farm

Location: Essex

Specialist: Wayne T. Webb Jr.

N-based Acres: 295.3

P-based Acres: 0.0

Tract Name: EX93

FSA Number: 0

Location: Essex

Field Name: 1

Total Acres: 139.50 Usable Acres: 139.50

FSA Number: 0

Tract: EX93

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
3	9A	Emporia
10	9B	Emporia
32	10B	Kempsville
22	20D	Rumford Slagle
34	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%

Field Name: 2
 Total Acres: 5.70 Usable Acres: 5.70
 FSA Number: 0
 Tract: EX93
 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
62	10B	Kempsville
38	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%

Field Name: 3
 Total Acres: 100.40 Usable Acres: 100.40
 FSA Number: 0
 Tract: EX93
 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
78	20D	Rumford Slagle
7	3A	Bibb
4	9B	Emporia
5	10B	Kempsville
5	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%

Field Name: 4
 Total Acres: 19.90 Usable Acres: 19.90
 FSA Number: 0
 Tract: EX93
 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
31	9B	Emporia
5	9C	Emporia
60	10B	Kempsville
4	20D	Rumford Slagle

Field Warnings:

Field Name: 5
 Total Acres: 29.80 Usable Acres: 29.80
 FSA Number: 0
 Tract: EX93
 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
1	9A	Emporia
43	10A	Kempsville
56	10B	Kempsville

Field Warnings:

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
93-01	High Leaching Potential (Map Unit 20D - 22%)
93-02	High Leaching Potential (Map Unit 20D - 38%)
93-03	High Leaching Potential (Map Unit 20D - 78%) High Water Table (Map Unit 3A - 7%) Flooding Potential (Map Unit 3A - 7%)
93-04	High Leaching Potential (Map Unit 20D - 4%)
93-05	None

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 Soil
12A	Molena			Leaching
14A	Newflat	Jan-Apr, Nov-Dec		
17A	Rappahannock	Jan-Dec	Jan-Dec	Drainage Shallow Soil
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- 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



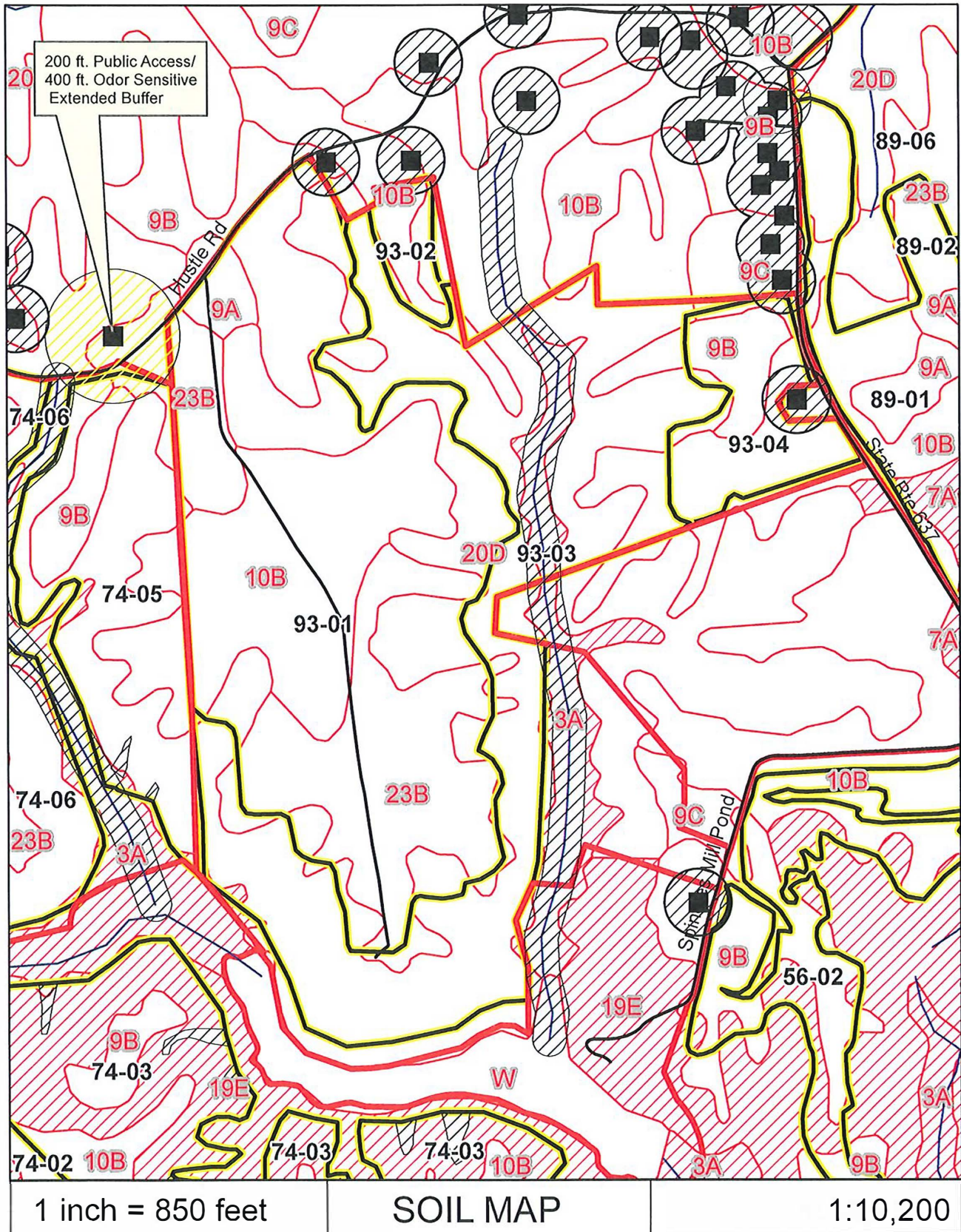
Roadway
- 10' improved highway buffer



Field Boundary



Property Line
- 100' buffer unless waiver issued

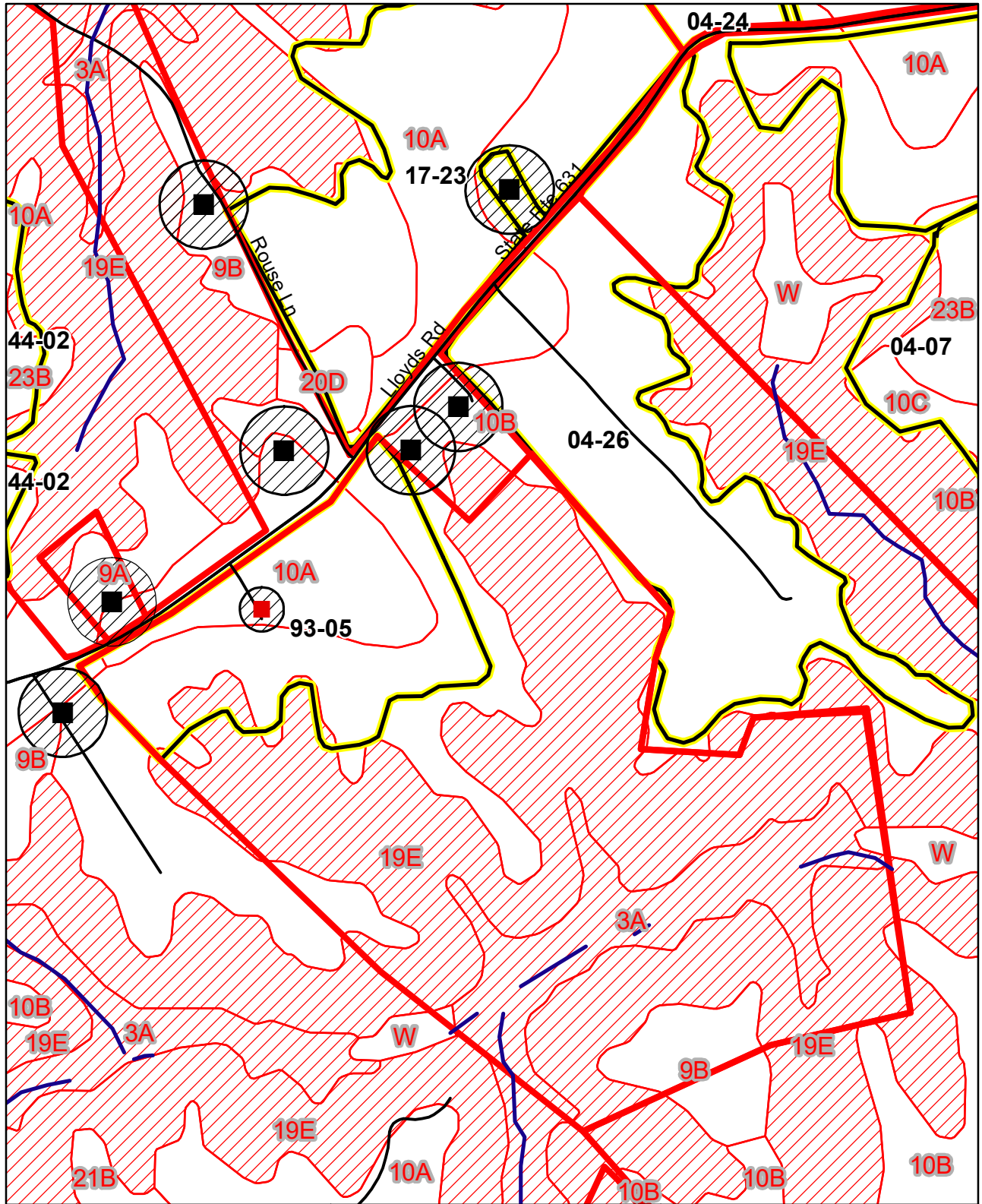


EXTENDED SETBACK



Environmentally Sensitive Soils

Created 10/20/2022



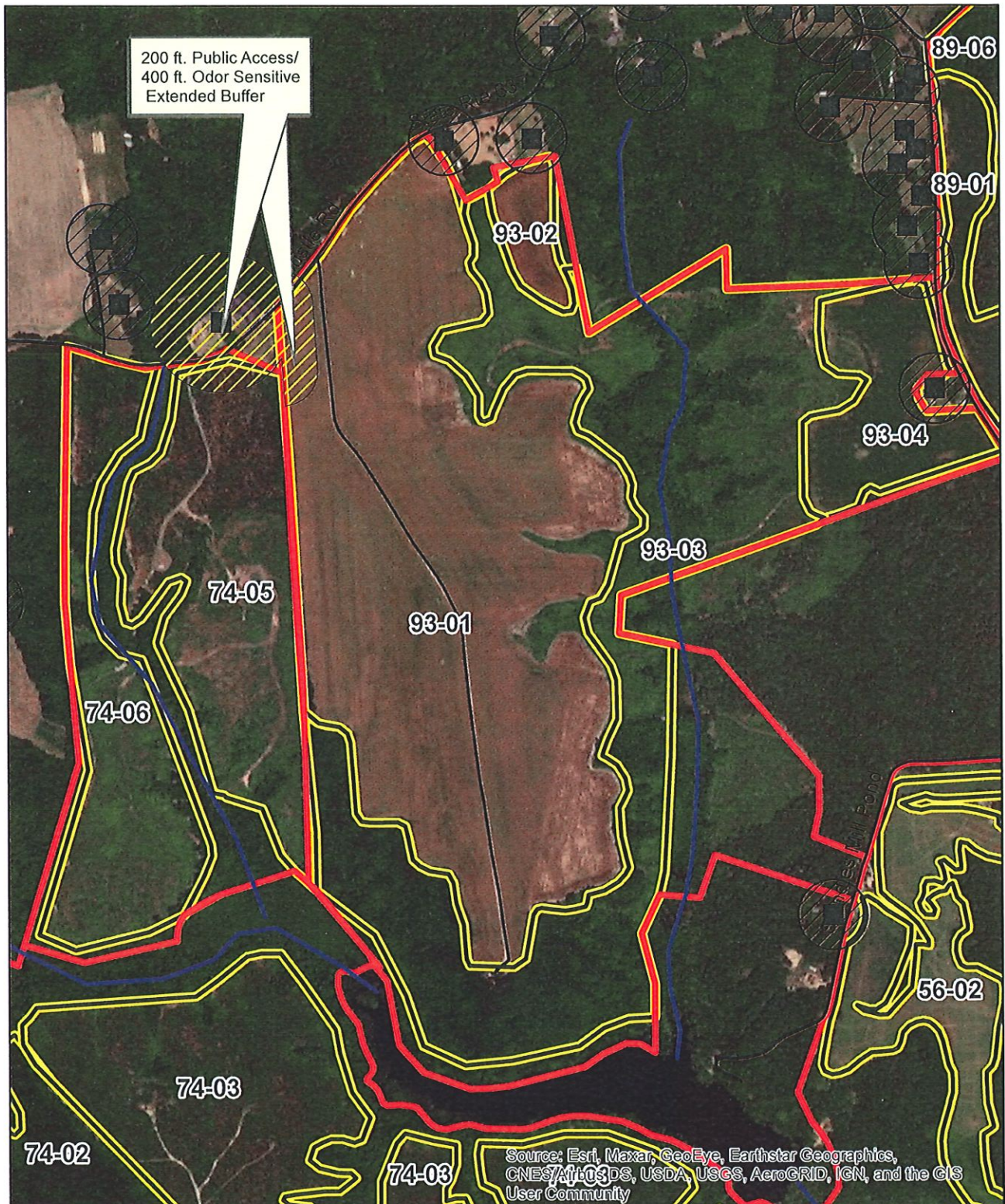
1 inch = 660 feet

SOIL MAP

1:7,920

 Environmentally Sensitive Soils

Revised 3/4/2024



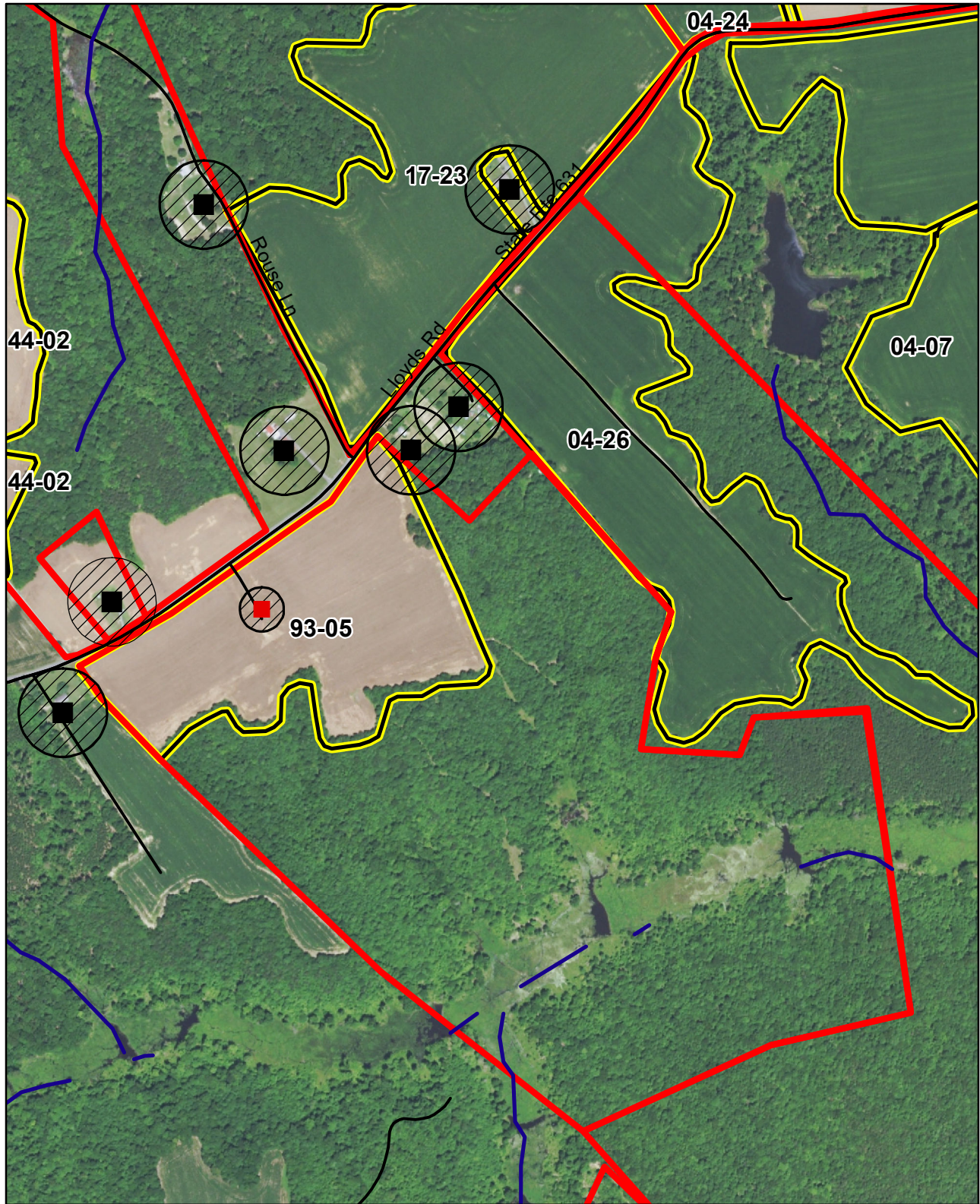
1 inch = 850 feet

AERIAL MAP

1:10,200

EXTENDED SETBACK

Revised 05/06/2024

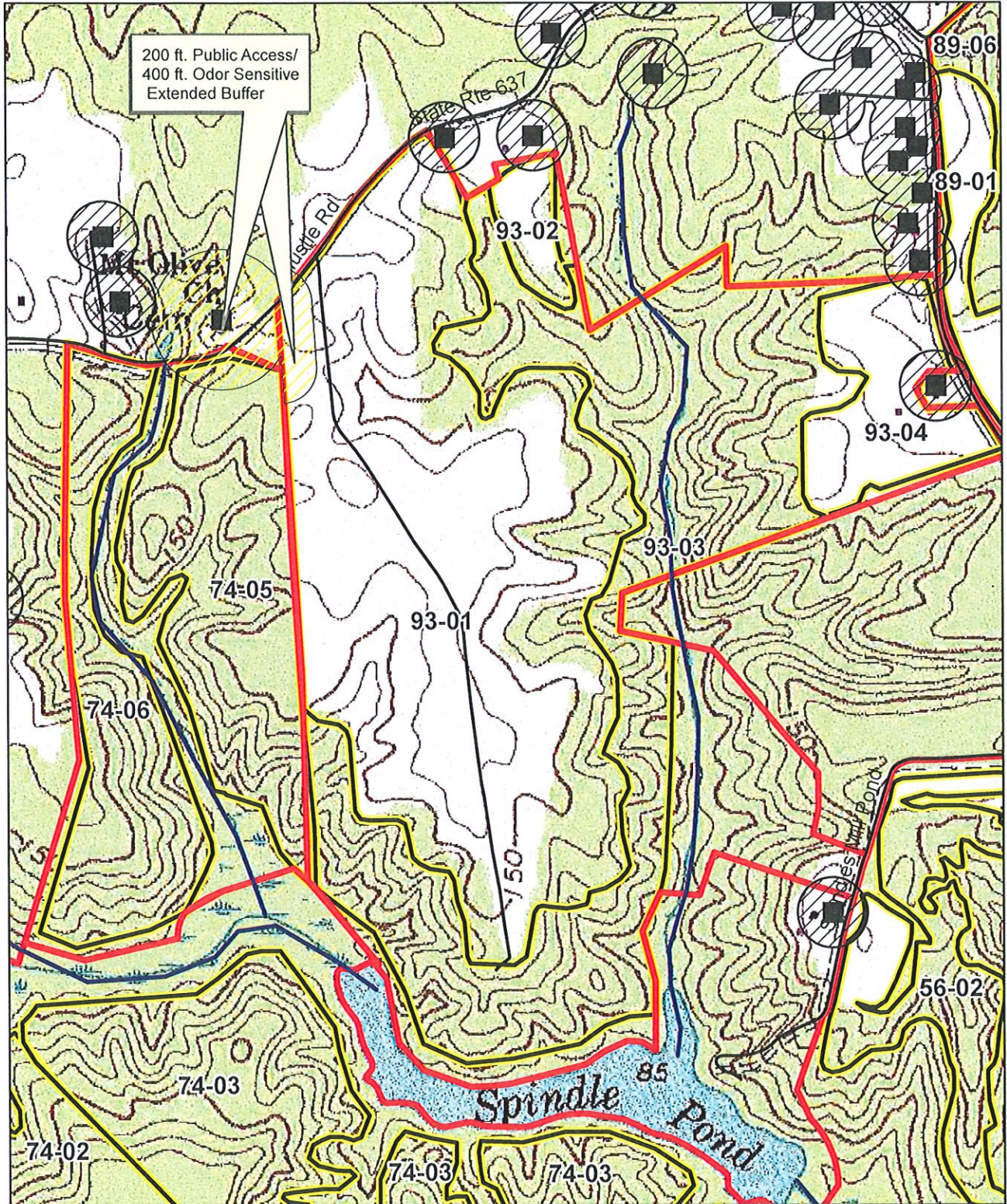


1 inch = 660 feet

AERIAL MAP

1:7,920

Revised 3/4/2024



1 inch = 850 feet

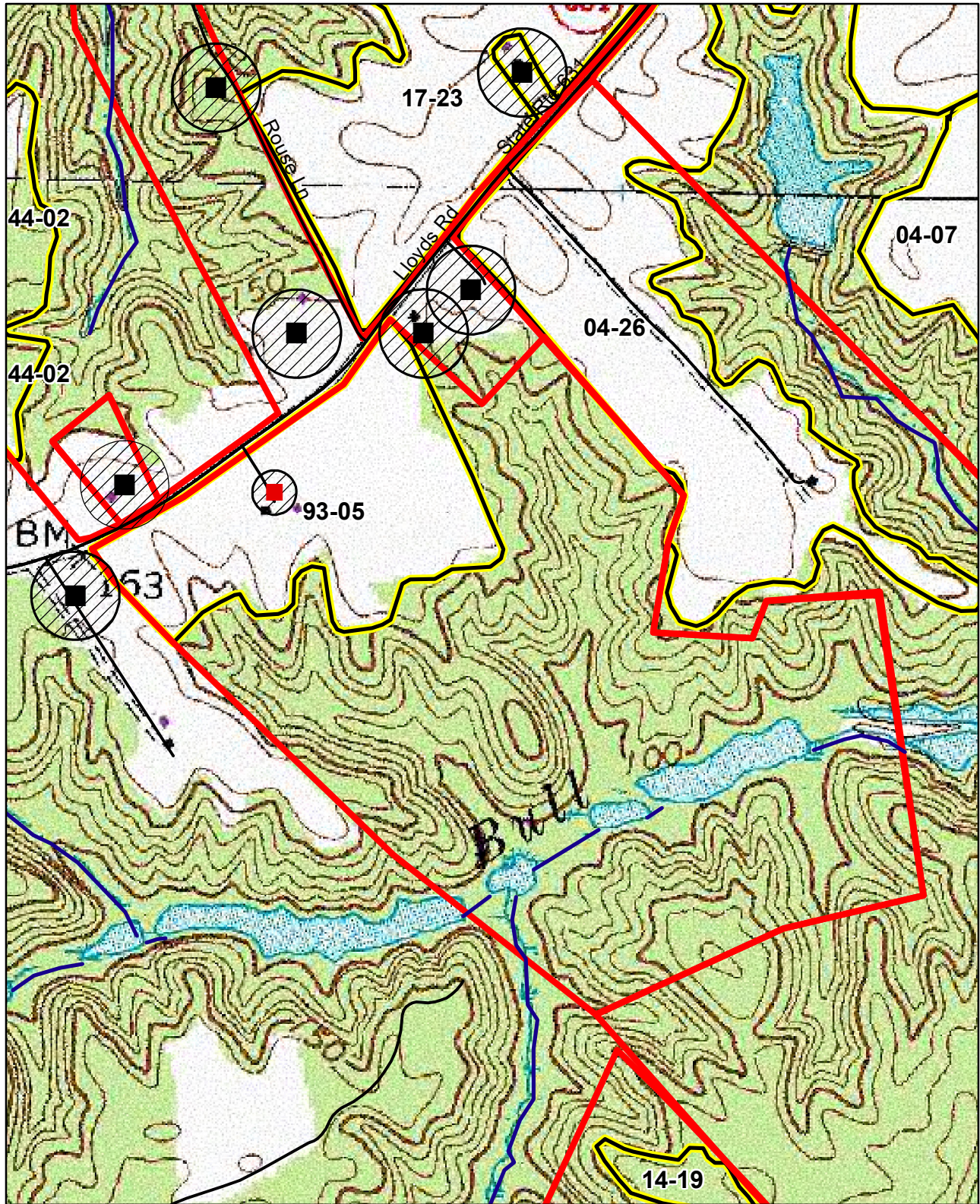
TOPO MAP

1:10,200

EXTENDED SETBACK

FIELD	ACRES	FIELD	ACRES
93-01	139.5	93-03	100.4
93-02	5.7	93-04	19.9

Revised 05/06/2024



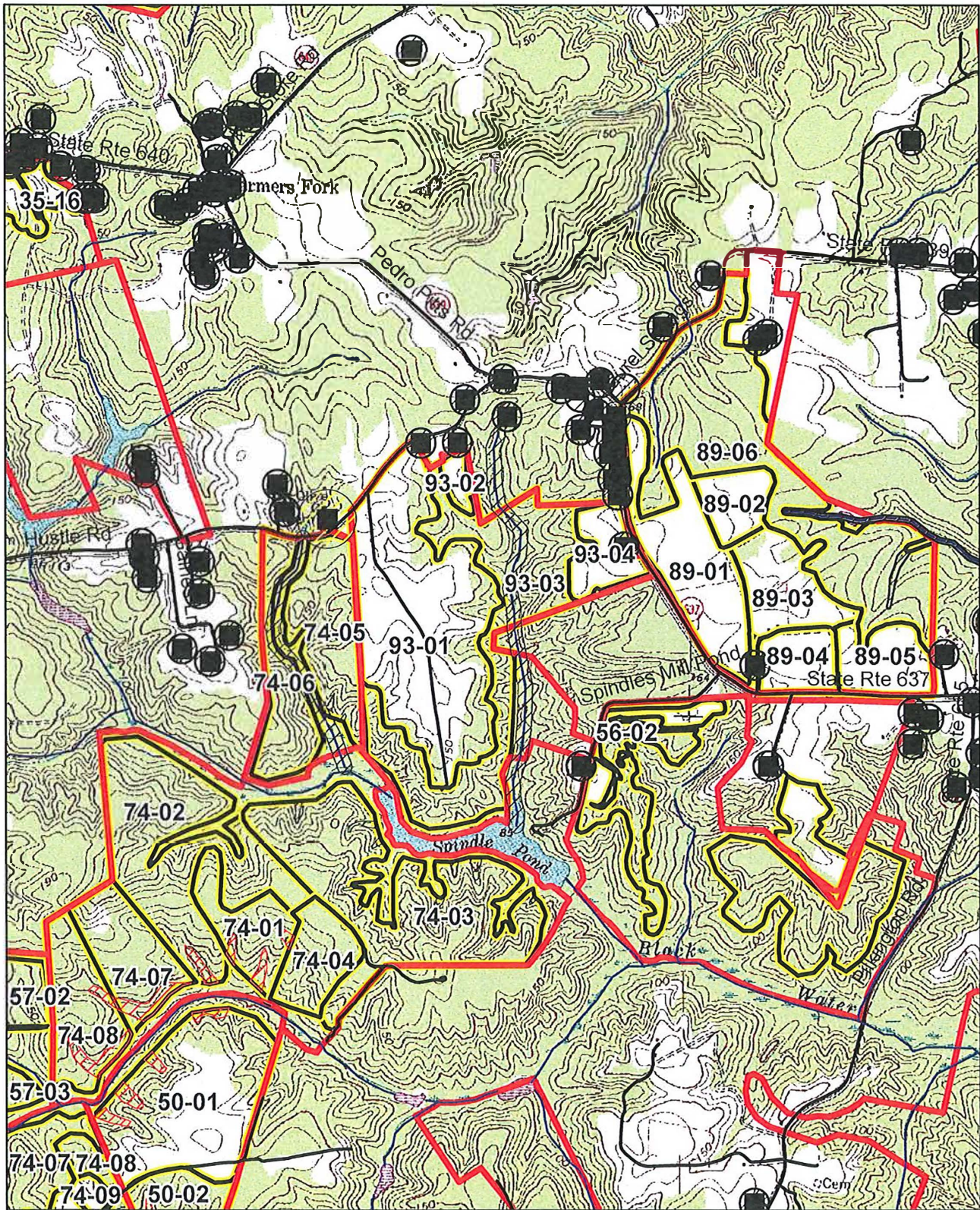
1 inch = 660 feet

TOPO MAP

1:7,920

FIELD	ACRES
93-05	29.8

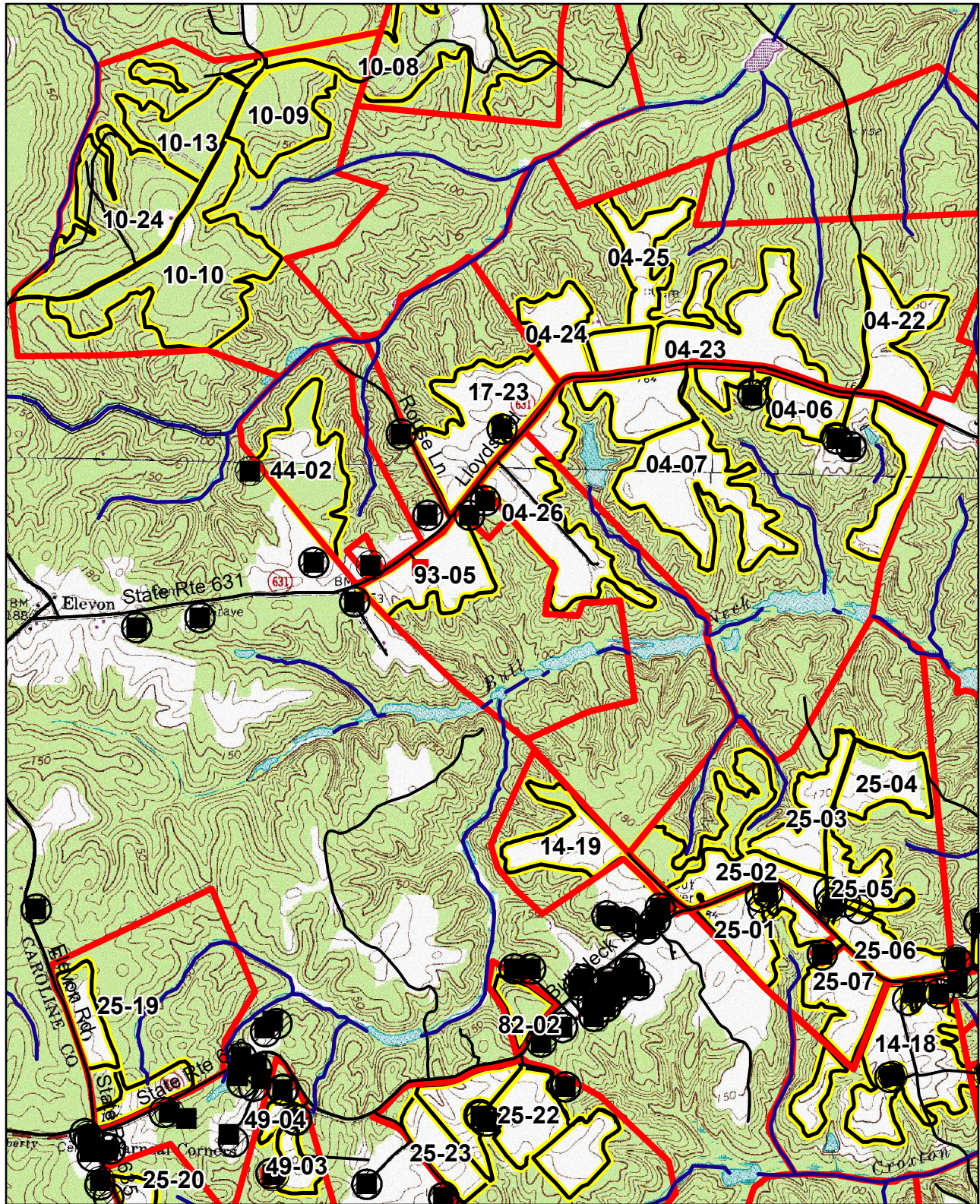
Revised 3/4/2024



1 inch = 2,000 feet

TOPO MAP

1:24,000

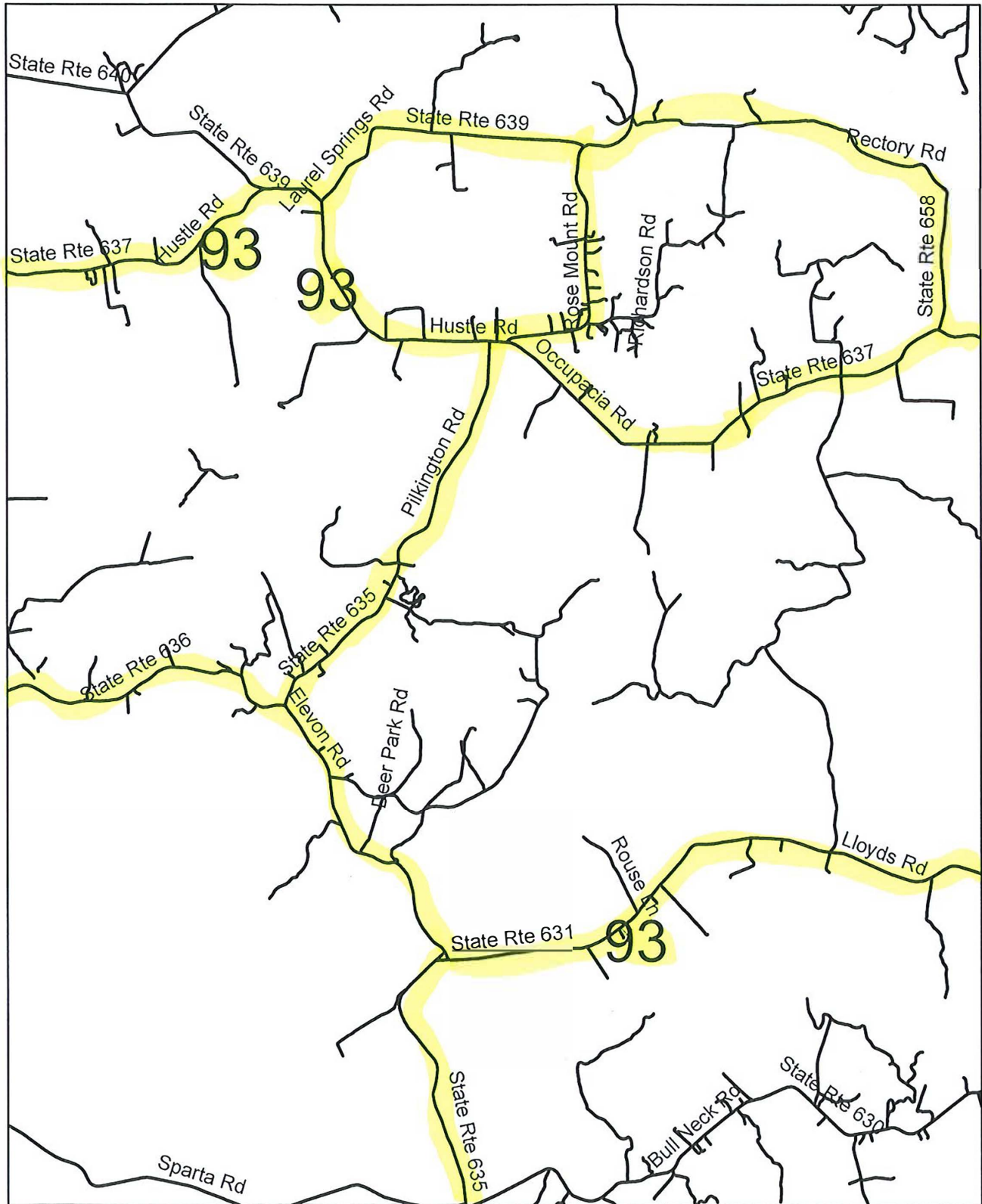


1 inch = 2,000 feet

TOPO MAP

1:24,000

Revised 3/4/2024



1 inch = 4,167 feet

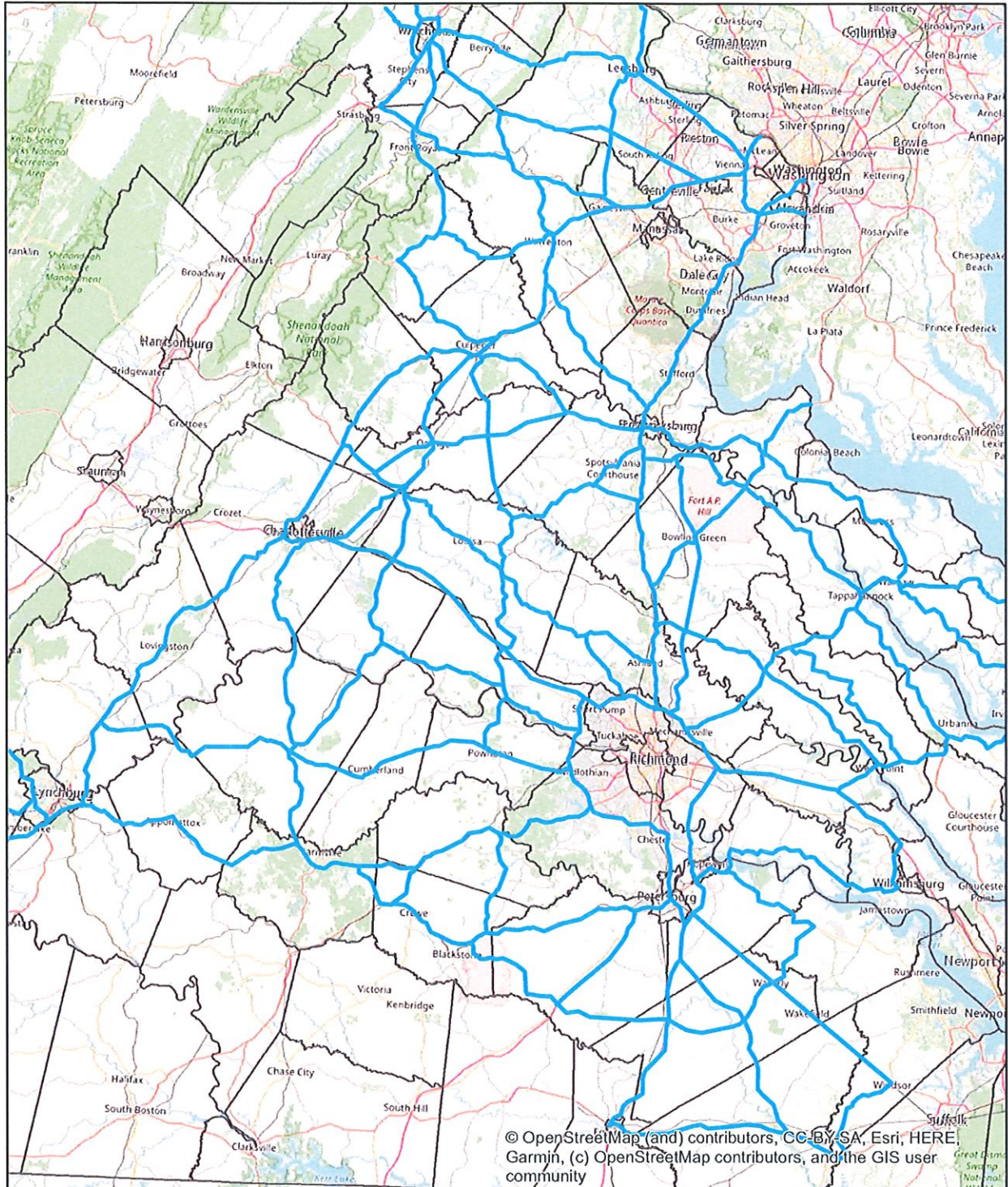
LOCATION MAP

1:50,000

 - Haul Route

Created 10/20/2022

SYNAGRO



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 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.