

LAND APPLICATION OF BIOSOLIDS
EVERETT NELSON

EX 74 (FIELDS 1-15)
ESSEX COUNTY, VIRGINIA
March 13, 2024



MARCH 13, 2024

Mr. John Thompson
Department of Environmental Quality
Northern Virginia Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

Dear Mr. Thompson,

Transmitted herein for your consideration is land application site for Everett Nelson (designated as EX 74, field 01-15), 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 (410) 553-7217 should you have any questions or require additional information.

Sincerely,



Caleb Snyder

Technical Services manager



FIELD SUMMARY SHEET

Everett Nelson

EX 74

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
74-01	29.5	29.5		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-02	101.3	101.3		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-03	120.5	120.5		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-04	26.9	26.9		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-05	45.8	45.8		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-06	34.1	34.1		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-07	51.5	51.5		Silviculture	Everett C Nelson & Katherine
74-08	8.6	8.6		Silviculture	Everett C Nelson & Katherine A Nelson R/S
74-09	5.2	5.2		Agriculture	Everett C Nelson & Katherine A Nelson R/S
74-10	9.7	9.7		Agriculture	Everett C Nelson & Katherine A Nelson R/S
74-11	4.8	4.8		Agriculture	Everett C Nelson & Katherine A Nelson R/S
74-12	7.8	7.8		Agriculture	Everett C Nelson & Katherine A Nelson R/S
74-13	1.2	1.2		Agriculture	Everett C Nelson & Katherine A Nelson R/S
74-14	79.1	79.1		Silviculture	Everett Carroll Nelson & Katherine Ann Nelson
74-15	58.7	58.7		Silviculture	Everett C Nelson & Katherine A Nelson R/S
TOTALS:	584.7	584.7			

SYNAGRO

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Ryan W. Ellis PHONE: (804) 443-7968

ADDRESS: 319 Kendalls Rd, Champlain, VA 22438

FARM LOCATION: _____

FSA TRACT #: _____

TOTAL ACRES: _____ COUNTY: _____

CROPS: _____

1. I agree to be responsible for adhering to the following conditions, where applicable:
 - a. The soil pH will be adjusted ≥ 6.0 when biosolids are applied. (This may be accomplished through the application of lime-treated biosolids).
 - b. Do not graze animals on the land for 30 days after the application of biosolids. In addition, animals intended for dairy production should not be allowed to graze on the land or be fed chopped foliage for 60 days after the application of biosolids. Meat-producing livestock should not be fed chopped foliage for 30 days after the application of biosolids.
 - c. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 14 months after the application of biosolids.
 - d. Food crops for direct human consumption with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface ≥ 4 months prior to incorporation into the soil or 38 months when the biosolids remain on the land surface < 4 months prior to incorporation.
 - e. Food crops, feed crops and fiber crops shall not be harvested for 30 days after application of biosolids.
 - f. Public access to land with a low potential for public exposure (land the public uses infrequently including but not limited to agricultural land and forests) shall be restricted for 30 days after application of biosolids. Public access to land with a high potential for public exposure (land the public uses frequently including but not limited to a public contact site such as parks, playgrounds and golf courses) shall be restricted for 1 year. No biosolids-amended soil shall be excavated or removed from the site for 30 days following the biosolids application unless adequate provisions are made to prevent public exposure to soils, dusts or aerosols.
 - g. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
 - h. Supplemental commercial fertilizer or manure applications should be coordinated with the biosolids applications such that the total crop needs for nutrients are not exceeded as identified on the nutrient balance sheet or the nutrient management plan approved by the Virginia Department of Conservation and Recreation to be supplied to the farm operator by Synagro at the time of application of biosolids to a specific permitted site.
 - i. Tobacco, because it has been shown to accumulate cadmium, should not be grown for three years following the application of biosolids-borne cadmium equal to or exceeding 0.45 lbs/acre.
2. I understand that this transaction is not contemplated by the parties to be a sale of goods, and that Synagro is willing to provide to me without charge the service of land applying biosolids which have been approved by the appropriate regulatory agencies for land application.
3. I understand that successful crop production depends on many variables, such as weather, soil conditions and specific farming practices and that while Synagro has experience with land application of biosolids, the responsibility for properly accommodating agricultural practices to biosolids utilization are solely mine. I have also read and understand the "Important Information About Using Biosolids as a Fertilizer" which is on the reverse side and incorporated by reference in this Request and Consent.

OPERATOR'S SIGNATURE

DATE

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 sulfonyleurea 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 11/04/22 between Everett Carroll Nelson & Katherine Anne Nelson 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
16-30C			

☐ 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.

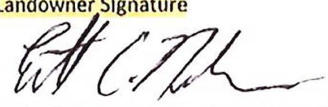
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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.

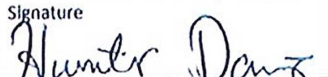
<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

Printed name Everett Carroll Nelson & Katherine Anne Nelson By: Everett Carroll Nelson	Mailing Address <u>139 Hillman Station Ln</u> <u>Staeb, VA 22554</u>	Landowner Signature 
Title* <u>OWNER</u>	Phone No. <u>540-659-3411</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 checked="" 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 Hunter Davis.	Mailing Address: 1681 Tappahannock Blvd, Tappahannock, VA 22560	Permittee- Authorized Representative Signature 
Title Technical Services Specialist	Phone No. 443-2170	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Everett Carroll Nelson & Katherine Anne Nelson

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

11/4/2022
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 11/4/22 between Everett C Nelson & Katherine A Nelson R/S 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
16-30A, 16-30B	16-29	10-8-1	10-8-4
16-30	10-73	10-8-2	10-8-5
16-3	10-8	10-8-3	16-25

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

Check one:

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

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

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

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

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

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

Printed name <u>Everett C Nelson & Katherine A Nelson R/S</u> By: <u>Katherine A Nelson</u> Title: <u>OWNER</u>	Mailing Address: <u>139 Hidden Springs Ln</u> <u>Stafford, VA 22554</u> Phone No. <u>703-217-6487</u>	Landowner Signature <u>Katherine A. Nelson</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 checked="" 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> Title <u>Technical Services Specialist</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u> Phone No. <u>443-2170</u>	Permittee- Authorized Representative Signature <u>Hunter Davis</u>
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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Everett C Nelson & Katherine A Nelson R/S

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.
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 - 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).

Katherine A Nelson
Landowner's Signature

11/4/2022
Date

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16-30C			

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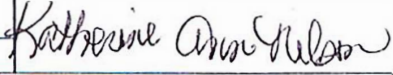
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<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/>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

Printed name <u>Everett Carroll Nelson & Katherine Anne Nelson</u> By: <u>Katherine Anne Nelson</u> Title: <u>OWNER</u>	Mailing Address: <u>139 Hidden Springs Dr</u> <u>Stafford, VA 22554</u> Phone No. <u>703-217-6987</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 checked="" 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 <u>Hunter Davis.</u> Title: <u>Technical Services Specialist</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u> Phone No. <u>443-2170</u>	Permittee- Authorized Representative Signature 
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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX
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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).

Katherine Ann Nelson
Landowner's Signature

11/4/2022
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 11/04/2022 between Everett C Nelson & Katherine A Nelson R/S 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
16-30A. 16-30B	16-29	10-8-1	10-8-4
16-30	10-73	10-8-2	10-8-5
16-3	10-8	10-8-3	16-25

☐ 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.

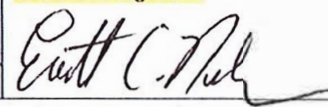
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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 <u>Everett C Nelson & Katherine A Nelson R/S</u> By: <u>Everett C Nelson</u> Title* <u>OWNER</u>	Mailing Address <u>139 Haddon Springs Ln</u> <u>Stafford, VA 22554</u> Phone No. <u>540-654-3411</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 checked="" 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> Title <u>Technical Services Specialist</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u> Phone No. <u>443-2170</u>	Permittee- Authorized Representative Signature 
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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Everett C Nelson & Katherine A Nelson R/S

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.
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 - 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;
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 - 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

11/4/2022
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 74)

Please Print

(Signatures not required on this page)

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
16-30	EVERETT C & KATHERINE A NELSON R/S
16-30B	EVERETT C & KATHERINE A NELSON R/S
16-3	EVERETT C & KATHERINE A NELSON R/S
16-29	EVERETT C & KATHERINE A NELSON R/S
10-73	EVERETT C & KATHERINE A NELSON R/S
10-8-1	EVERETT C & KATHERINE A NELSON R/S
10-8-3	EVERETT C & KATHERINE A NELSON R/S
10-8-4	EVERETT C & KATHERINE A NELSON R/S
10-8-5	EVERETT C & KATHERINE A NELSON R/S
16-25	EVERETT C & KATHERINE A NELSON R/S
16-30A	EVERETT C & KATHERINE A NELSON R/S
16-30C	EVERETT CARROLL & KATHERINE ANN NELSON

0 BETHLEHEM RD RT 636

Location	0 BETHLEHEM RD RT 636	Mblu	16/ / 29/ /
Acct#	1653	Owner	NELSON EVERETT C
Clean & Green Total	\$10,800	Class	Sngl Fam Res - Suburban
Appraisal	\$39,600	PID	701
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$39,600	\$39,600
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$39,600	\$39,600	\$10,800	\$10,800


Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$40,000
Co-Owner	NELSON KATHERINE A R/S	Certificate	14
Address	139 HIDDEN SPRINGS LN STAFFORD, VA 22554	Book & Page	0/0
		Sale Date	08/15/2014
		Instrument	12

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$40,000	14	0/0	12	08/15/2014

Building Information

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

0 SPINDLES MILL POND RD

Location 0 SPINDLES MILL POND RD

Mblu 16/ / 3/ /

Acct# 334

Owner NELSON EVERETT C

Clean & Green Total \$83,000

Class Agrigultural - 100+ Ac

Appraisal \$166,450

PID 2467

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$166,450	\$166,450
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$166,450	\$166,450	\$83,000	\$83,000

Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$255,000
Co-Owner	NELSON KATHERINE A R/S	Certificate	13
Address	139 HIDDEN SPRING LANE	Book & Page	230/668
	STAFFORD, VA 22554	Sale Date	10/21/2013
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$255,000	13	230/668	00	10/21/2013

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	1,020
Replacement Cost:	\$0
Building Percent Good:	

Building Photo

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

0 MT OLIVE DR

Location

0 MT OLIVE DR

Mblu

10/ 8/ 1/ 1

Acct#

87042

Owner

NELSON EVERETT C

Clean & Green Total

\$16,800

Class

Agricultural- 20-100 Ac

Appraisal

\$42,015

PID

9633

Building Count

1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$42,015	\$42,015
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$42,015	\$42,015	\$16,800	\$16,800

Owner of Record

Owner

NELSON EVERETT C

Co-Owner

NELSON KATHERINE A R/S

Address

139 HIDDEN SPRINGS LANE
STAFFORD, VA 22554

Sale Price

\$0

Certificate

09

Book & Page

0/0

Sale Date

05/27/2009

Instrument

00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

Building Information

Building 1 : Section 1

Year Built:

Living Area:

1,400

Replacement Cost:

\$0

Building Percent Good:

Building Photo

 Building Photo

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

0 HUSTLE RD

Location	0 HUSTLE RD	Mblu	10/ 8/ 2/ /
Acct#	87043	Owner	NELSON EVERETT C
Clean & Green Total	\$5,800	Class	Sngl Fam Res - Suburban
Appraisal	\$45,920	PID	9634
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$45,920	\$45,920
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$45,920	\$45,920	\$5,800	\$5,800


Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$0
Co-Owner	NELSON KATHERINE A R/S	Certificate	09
Address	139 HIDDEN SPRINGS LANE	Book & Page	0/0
	STAFFORD, VA 22554	Sale Date	05/27/2009
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 Building Photo
Living Area:	1,260	https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Replacement Cost:	\$0	
Building Percent Good:		

0 MT OLIVE DR

Location	0 MT OLIVE DR	Mblu	10/ 8/ 3/ 1
Acct#	87044	Owner	NELSON EVERETT C
Clean & Green Total	\$5,600	Class	Sngl Fam Res - Suburban
Appraisal	\$45,200	PID	9635
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$45,200	\$45,200
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$45,200	\$45,200	\$5,600	\$5,600


Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$0
Co-Owner	NELSON KATHERINE A R/S	Certificate	09
Address	139 HIDDEN SPRINGS LANE	Book & Page	0/0
	STAFFORD, VA 22554	Sale Date	05/27/2009
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Living Area:	1,400	
Replacement Cost:	\$0	
Building Percent Good:		

0 MT OLIVE DR

Location	0 MT OLIVE DR	Mblu	10/ 8/ 5/ 1
Acct#	87046	Owner	NELSON EVERETT C
Clean & Green Total	\$3,600	Class	Sngl Fam Res - Suburban
Appraisal	\$37,566	PID	9637
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$37,566	\$37,566
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$37,566	\$37,566	\$3,600	\$3,600


Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$0
Co-Owner	NELSON KATHERINE A R/S	Certificate	09
Address	139 HIDDEN SPRINGS LANE	Book & Page	0/0
	STAFFORD, VA 22554	Sale Date	05/27/2009
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 Building Photo
Living Area:	2,644	https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Replacement Cost:	\$0	
Building Percent Good:		

0 MT OLIVE DR

Location	0 MT OLIVE DR	Mblu	10/ 8/ 4/ /
Acct#	87045	Owner	NELSON EVERETT C
Clean & Green Total	\$3,200	Class	Sngl Fam Res - Suburban
Appraisal	\$35,284	PID	9636
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$35,284	\$35,284
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$35,284	\$35,284	\$3,200	\$3,200


Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$0
Co-Owner	NELSON KATHERINE A R/S	Certificate	09
Address	139 HIDDEN SPRINGS LANE	Book & Page	0/0
	STAFFORD, VA 22554	Sale Date	05/27/2009
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Living Area:	1,288	
Replacement Cost:	\$0	
Building Percent Good:		

0 BETHLEHEM RD RT 636

Location

0 BETHLEHEM RD RT 636

Mblu

16 / 25 / /

Acct#

892

Owner

NELSON EVERETT C

Clean & Green Total

\$128,500

Class

Agrigultural - 100+ Ac

Appraisal

\$226,760

PID

10066

Building Count

1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$226,760	\$226,760
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$226,760	\$226,760	\$128,500	\$128,500

Owner of Record

Owner

NELSON EVERETT C

Co-Owner

NELSON KATHERINE A R/S

Address

139 HIDDEN SPRINGS LN
STAFFORD, VA 22554

Sale Price

\$300,000

Certificate

2021

Book & Page

/

Sale Date

01/21/2021

Instrument

01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$300,000	2021	/	01	01/21/2021
PITTS EARL JR ET AL	\$0	15	149/199	00	07/29/2015

Building Information

Building 1 : Section 1

Year Built:

Living Area:

1,455

Replacement Cost:

\$0

0 FRONTS OFF 625

Location	0 FRONTS OFF 625	Mblu	16 / / 30 / /
Acct#	1164	Owner	NELSON EVERETT C & KATHERINE A R/S
Clean & Green Total	\$25,400	Class	Agricultural- 20-100 Ac
Appraisal	\$63,175	PID	179
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$63,175	\$63,175
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$63,175	\$63,175	\$25,400	\$25,400


Owner of Record

Owner	NELSON EVERETT C & KATHERINE A R/S	Sale Price	\$72,500
Co-Owner		Certificate	07
Address	139 HIDDEN SPRINGS LN STAFFORD, VA 22554	Book & Page	0/0
		Sale Date	01/19/2005
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C & KATHERINE A R/S	\$72,500	07	0/0	00	01/19/2005

Building Information

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

0 FRONTS ON R/W OFF 625

Location	0 FRONTS ON R/W OFF 625	Mblu	16/ / 30/ A/
Acct#	1546	Owner	NELSON EVERETT C
Clean & Green Total	\$28,900	Class	Agricultural- 20-100 Ac
Appraisal	\$71,650	PID	586
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$71,650	\$71,650
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$71,650	\$71,650	\$28,900	\$28,900

Owner of Record

Owner	NELSON EVERETT C	Sale Price	\$138,750
Co-Owner	NELSON KATHERINE A R/S	Certificate	2022
Address	139 HIDDEN SPRINGS LN STAFFORD, VA 22554	Book & Page	/
		Sale Date	05/31/2022
		Instrument	01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$138,750	2022	/	01	05/31/2022
SCHOOLS SHIRLEY F TRUSTEE	\$0		174/706	00	04/22/2020

Building Information

Building 1 : Section 1	
Year Built:	
Living Area:	0
Replacement Cost:	\$0

0 SUPPLY RD

Location	0 SUPPLY RD	Mblu	16 / 30 / B/
Acct#	1807	Owner	NELSON EVERETT C & KATHERINE A R/S
Clean & Green Total	\$49,100	Class	Agricultural- 20-100 Ac
Appraisal	\$122,150	PID	855
Building Count	1		

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$122,150	\$122,150
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$122,150	\$122,150	\$49,100	\$49,100


Owner of Record

Owner	NELSON EVERETT C & KATHERINE A R/S	Sale Price	\$152,500
Co-Owner		Certificate	07
Address	139 HIDDEN SPRINGS LN STAFFORD, VA 22554	Book & Page	0/0
		Sale Date	01/22/2007
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C & KATHERINE A R/S	\$152,500	07	0/0	00	01/22/2007

Building Information

Building 1 : Section 1		Building Photo
Year Built:		 https://images.vgsi.com/photos/EssexVAPhotos/default.jpg
Living Area:	1,856	
Replacement Cost:	\$0	
Building Percent Good:		

0 HUSTLE RD

Location0 HUSTLE RD

Mblu10 / 173 / 1

Acct#1297

OwnerNELSON EVERETT C

Clean & Green Total\$16,100

ClassAgricultural- 20-100 Ac

Appraisal\$50,880

PID320

Building Count1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$50,880	\$50,880
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$50,880	\$50,880	\$16,100	\$16,100

Owner of Record

OwnerNELSON EVERETT C

Co-OwnerNELSON KATHERINE A R/S

Address139 HIDDEN SPRINGS LANE
STAFFORD, VA 22554

Sale Price\$0

Certificate09

Book & Page0/0

Sale Date05/27/2009

Instrument00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT C	\$0	09	0/0	00	05/27/2009

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>

0 HUSTLE RD RT 637 (OFF)

Location0 HUSTLE RD RT 637 (OFF)

Mblu16/ / 30/ C/

Acct#86329

OwnerNELSON EVERETT CARROLL

Clean & Green Total\$25,400

ClassAgricultural- 20-100 Ac

Appraisal\$63,175

PID8978

Building Count1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$63,175	\$63,175
Assessment					
Valuation Year	Improvements	Land	Total	Clean & Green Land	Clean & Green Total
2021	\$0	\$63,175	\$63,175	\$25,400	\$25,400

Owner of Record

OwnerNELSON EVERETT CARROLL

Co-OwnerNELSON KATHERINE ANN

Address139 HIDDEN SPRING LN
STAFFORD, VA 22554

Sale Price\$95,000

Certificate2022

Book & Page/

Sale Date04/07/2022

Instrument01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
NELSON EVERETT CARROLL	\$95,000	2022	/	01	04/07/2022
VIRGINIA ESTATE & TRUST LAW PLC TR	\$0	19	274/390	00	02/25/2003

Building Information

Building 1 : Section 1

Year Built:

Living Area:

Replacement Cost:

0

\$0

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
Everett C & Katherine A Nelson R/S	74-01	16-30B
Everett C & Katherine A Nelson R/S	74-02	16-30B
		16-30
Everett C & Katherine A Nelson R/S	74-03	16-3
Everett C & Katherine A Nelson R/S	74-04	16-29
		16-30B
Everett C & Katherine A Nelson R/S	74-05	10-73
		10-8-1
		10-8-3
		10-8-4
		10-8-5
Everett C & Katherine A Nelson R/S	74-06	10-8-1
Everett C & Katherine A Nelson R/S		10-8-2
Everett C & Katherine A Nelson R/S	74-07	16-25
Everett C & Katherine A Nelson R/S	74-08	16-25
Everett C & Katherine A Nelson R/S	74-09	16-25
Everett C & Katherine A Nelson R/S	74-10	16-25
Everett C & Katherine A Nelson R/S	74-11	16-25
Everett C & Katherine A Nelson R/S	74-12	16-25
Everett C & Katherine A Nelson R/S	74-13	16-25
Everett C & Katherine A Nelson R/S	74-14	16-30-A
Everett Carroll & Katherine Ann Nelson		16-30C
Everett C & Katherine A Nelson R/S	74-15	16-25

Field Number	Latitude (North)	Longitude (West)
74-01	38.033°	-77.104°
74-02	38.037°	-77.108°
74-03	38.034°	-77.095°
74-04	38.032°	-77.101°
74-05	38.045°	-77.100°
74-06	38.041°	-77.102°
74-07	38.024°	-77.115°
74-08	38.025°	-77.111°
74-09	38.023°	-77.111°
74-10	38.022°	-77.112°
74-11	38.021°	-77.116°
74-12	38.021°	-77.115°
74-13	38.022°	-77.111°
74-14	38.032°	-77.110°
74-15	38.022°	-77.108°

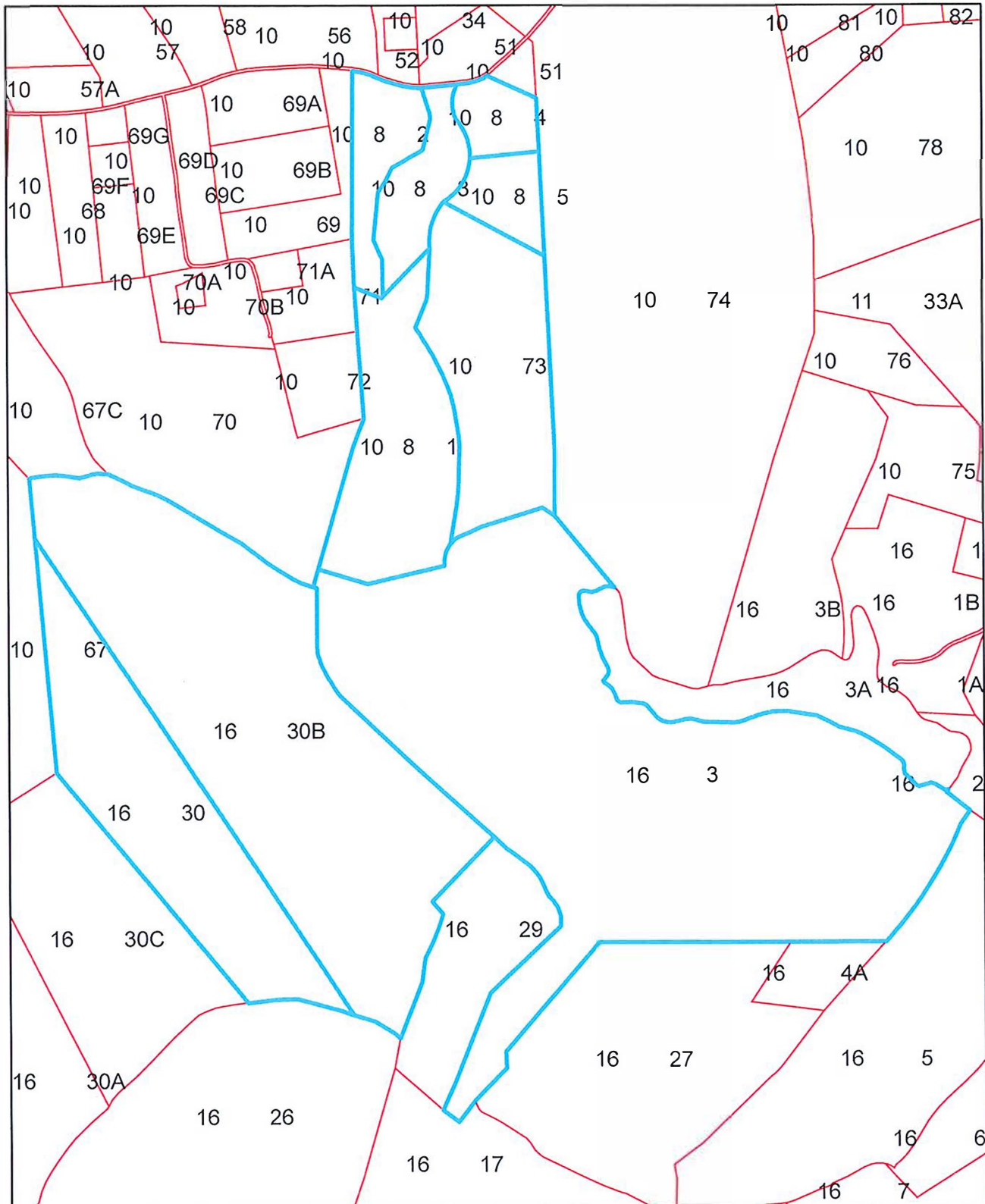
*Latitude and Longitude are a random point determined by ArcView program

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.

EX 74 Adjoining landowners

Parcel ID	Owner Name	Owner Name	Postal Address	Postal City	State	Zip
10-34	James D Ruehl Sr Et A;		7 Poplar St	Poquoson	VA	23662
10-51	Mount Olive Baptist Church		PO Box 102	Hustle	VA	22476
10-52A	Mesa Darwing		8987 Howerton Rd	Center Cross	VA	22437
10-52B1	Richard D Proctor		4325 Kayak Dr	Brandy Wine	MD	20613
10-56	Stuart G Taylor Jr		8105 Campfire Lane	Fredericksburg	VA	22407
10-67	Cherry Tree Timber LLC		PO Box 3349	Atlanta	VA	31706
10-67C	Cherry Tree Timber LLC		PO Box 3349	Atlanta	VA	31706
10-69	Sidney N Johnson		2965 Hustle Rd	Caret	VA	22436
10-69A	David Mark Schnur		7543 Belmont Landing Rd	Lorton	VA	22079
10-69BR	Sidney N Johnson		2966 Hustle Rd	Caret	VA	22436
10-70	Michel E Matthews		6199 Hollyberry Ct	Manassas	VA	20112
10-71	Michael E Matthews		6199 Holly Berry Court	Manassas	VA	20112
10-72	Michael E Matthews		6199 Holly Berry Court	Manassas	VA	20112
16-17	Barbara Sagle Jones	John E Jones III	17055 Mountain Rd	Montpelier	VA	23192
16-2	James E & Lois M Channon		PO Box 308	Warsaw	VA	22572
16-21	Hawaii ERS Timberland LLC		13950 Ballantyne Corp PL #150	Charlotte	NC	28277
16-23	Hawaii ERS Timberland LLC		13950 Ballantyne Corp PL #150	Charlotte	NC	28277
16-24	Hawaii ERS Timberland LLC		13950 Ballantyne Corp PL #150	Charlotte	NC	28277
16-27	Gilman Land and Timber LLC		13423 Farrington Rd	Ashland	VA	23005
16-34	Waller Madison Loving Jr		1224 Smokey Rd	Aylett	VA	23009
16-3A	James E & Lois M Channon		PO Box 308	Warsaw	VA	22572
16-4A	Carlton Hensley	Miki Hensley	2165 Aquia Dr	Stafford	VA	22554
16-5	James E & Lois M Channon		PO Box 307	Warsaw	VA	22572



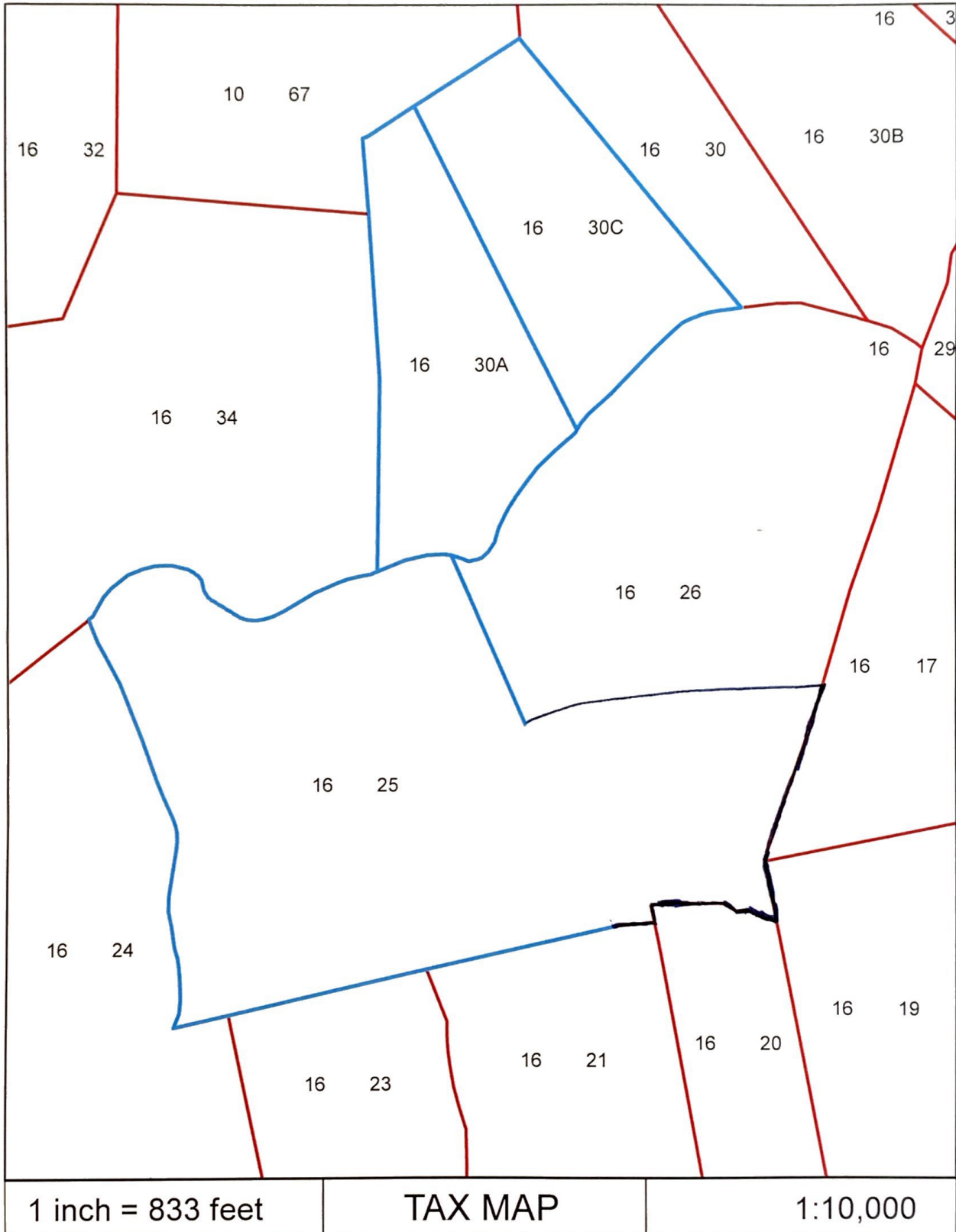
1 inch = 1,000 feet

TAX MAP

1:12,000

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 11/2/22



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Revised 3/13/2024

Farm Summary Report

Plan: **New Plan** **Fall, 2022 - Winter, 2023**

Farm Name: **New Farm**
 Location: Essex
 Specialist: Hunter Davis
 N-based Acres: 526.0
 P-based Acres: 0.0

Tract Name: **74**
 FSA Number: 0
 Location: Essex

Field Name: **1**
 Total Acres: 29.50 Usable Acres: 29.50
 FSA Number: 0
 Tract: 74
 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
47	9B	Emporia
6	10B	Kempsville
8	18B	Rumford
39	19E	Emporia Rumford

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

Field Name: 2

Total Acres: 101.30 Usable Acres: 101.30

FSA Number: 0

Tract: 74

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	3A	Bibb
9	9B	Emporia
21	10B	Kempsville
1	18B	Rumford
68	19E	Emporia Rumford

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

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

Field Name: 3

Total Acres: 120.50 Usable Acres: 120.50

FSA Number: 0

Tract: 74

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
28	10B	Kempsville
68	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: 4

Total Acres: 26.90 Usable Acres: 26.90

FSA Number: 0

Tract: 74

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
7	9B	Emporia
46	10B	Kempsville
47	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: 45.80 Usable Acres: 45.80

FSA Number: 0

Tract: 74

Location: Essex

Slope Class: C Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	3A	Bibb
17	9B	Emporia
19	10B	Kempsville
60	20D	Rumford Slagle
3	23B	Suffolk

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

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

Field Name: 6

Total Acres: 34.10 Usable Acres: 34.10

FSA Number: 0

Tract: 74

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
17	3A	Bibb
6	9B	Emporia
64	20D	Rumford Slagle
13	23B	Suffolk

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

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

Field Name: 7

Total Acres: 51.50 Usable Acres: 51.50

FSA Number: 0

Tract: 74

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
7	3A	Bibb
27	9B	Emporia
66	20D	Rumford Slagle

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

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

Field Name: 8
Total Acres: 8.60 Usable Acres: 8.60
FSA Number: 0
Tract: 74
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
75	20D	Rumford Slagle
25	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: 9

Total Acres: 5.20 Usable Acres: 5.20

FSA Number: 0

Tract: 74

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
24	9B	Emporia
76	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
---------	-------	-----------

Field Name: 10

Total Acres: 9.70 Usable Acres: 9.70

FSA Number: 0

Tract: 74

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
64	9B	Emporia
32	9C	Emporia
4	20D	Rumford Slagle

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

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

Field Name: 11

Total Acres: 4.80 Usable Acres: 4.80
FSA Number: 0
Tract: 74
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
85	9B	Emporia
15	9C	Emporia

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

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

Field Name: 12

Total Acres: 7.80 Usable Acres: 7.80

FSA Number: 0

Tract: 74

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
50	9B	Emporia
36	9C	Emporia
14	20D	Rumford Slagle

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

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

Field Name: 13

Total Acres: 1.20 Usable Acres: 1.20

FSA Number: 0

Tract: 74

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
100	9B	Emporia

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

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

Field Name: 14

Total Acres: 79.10 Usable Acres: 79.10

FSA Number: 0

Tract: 74

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
2	3A	Bibb
20	9B	Emporia
4	9C	Emporia
36	19E	Emporia Rumford
25	10B	Kempsville
13	20D	Rumford Slagle

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

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

Farm Name: EX74

Location: Essex

Specialist: Caleb Snyder

N-based Acres: 58.7

P-based Acres: 0.0

Tract Name: Ex74

FSA Number: 0

Location: Essex

Field Name: 15

Total Acres: 58.70 Usable Acres: 58.70

FSA Number: 0

Tract: Ex74

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
35	9B	Emporia
65	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%*

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
74-01	High Leaching Potential (Map Unit 19E - 39%)
74-02	High Leaching Potential (Map Unit 19E - 68%) High Water Table (Map Unit 3A - 1%) Flooding Potential (Map Unit 3A - 1%) Drainage (Map Unit 3A - 1%)
74-03	High Leaching Potential (Map Unit 19E - 68%)
74-04	High Leaching Potential (Map Unit 19E - 47%)
74-05	High Leaching Potential (Map Unit 20D - 60%) High Water Table (Map Unit 3A - 2%) Flooding Potential (Map Unit 3A - 2%) Drainage (Map Unit 3A - 2%)
74-06	High Leaching Potential (Map Unit 20D - 64%) High Water Table (Map Unit 3A - 17%) Flooding Potential (Map Unit 3A - 17%) Drainage (Map Unit 3A - 17%)
74-07	High Leaching Potential (Map Unit 20D - 66%) High Water Table (Map Unit 3A - 7%) Flooding Potential (Map Unit 3A - 7%) Drainage (Map Unit 3A - 7%)
74-08	High Leaching Potential (Map Unit 20D - 75%)
74-09	High Leaching Potential (Map Unit 20D - 76%)
74-10	High Leaching Potential (Map Unit 20D - 4%)
74-11	None
74-12	High Leaching Potential (Map Unit 20D - 14%)
74-13	None
74-14	High Leaching Potential (Map Unit 19E, 20D - 49%) High Water Table (Map Unit 3A - 2%) Flooding Potential (Map Unit 3A - 2%) Drainage (Map Unit 3A - 2%)
74-15	High Leaching Potential (Map Unit 20D - 65%)

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- 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

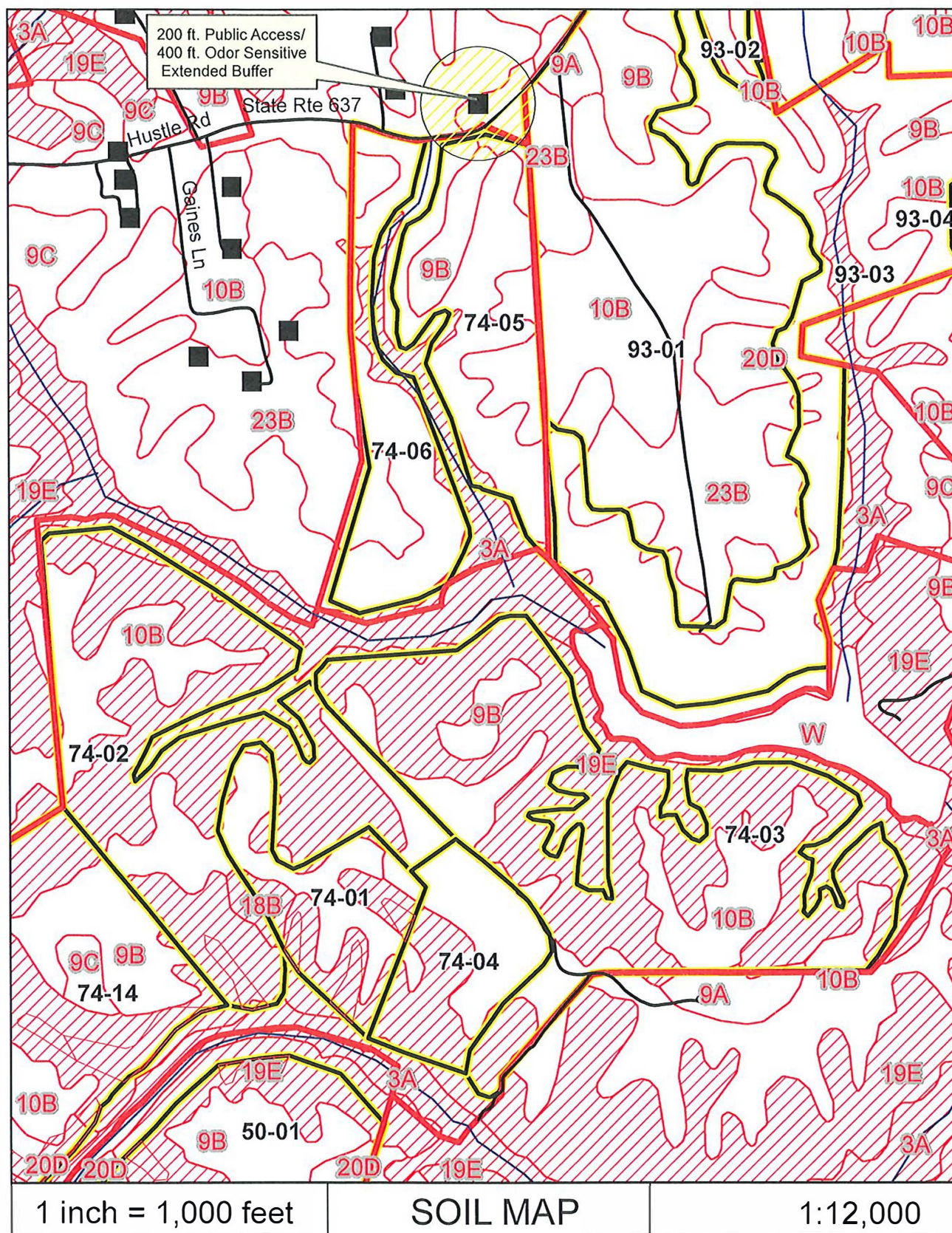


Field Boundary



Property Line

- 100' buffer unless waiver issued



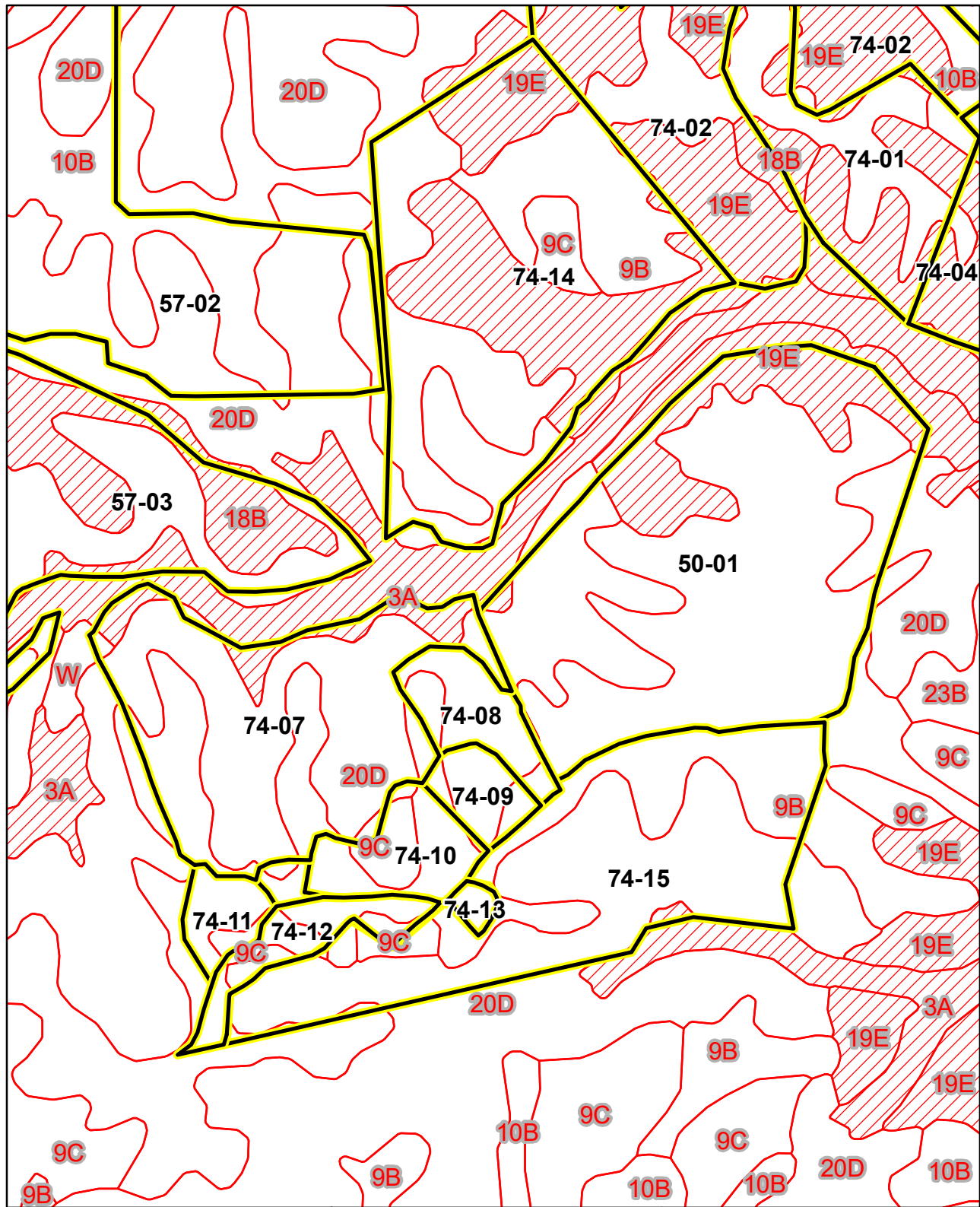
EXTENDED SETBACK



Environmentally Sensitive Soils

Revised 11/2/22

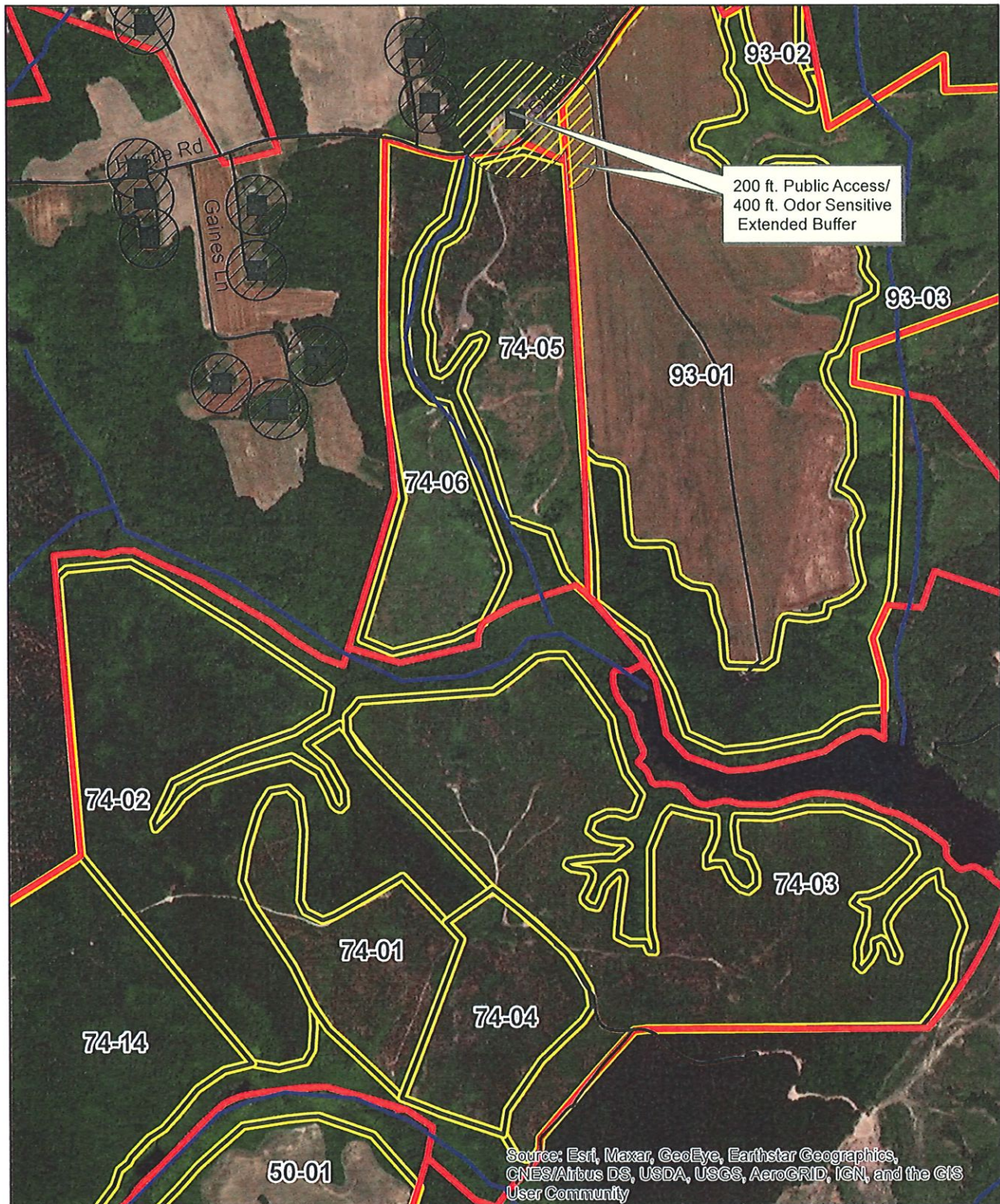
Everett Nelson
EX 74
Fields 07-15



SOIL MAP

1:10,000

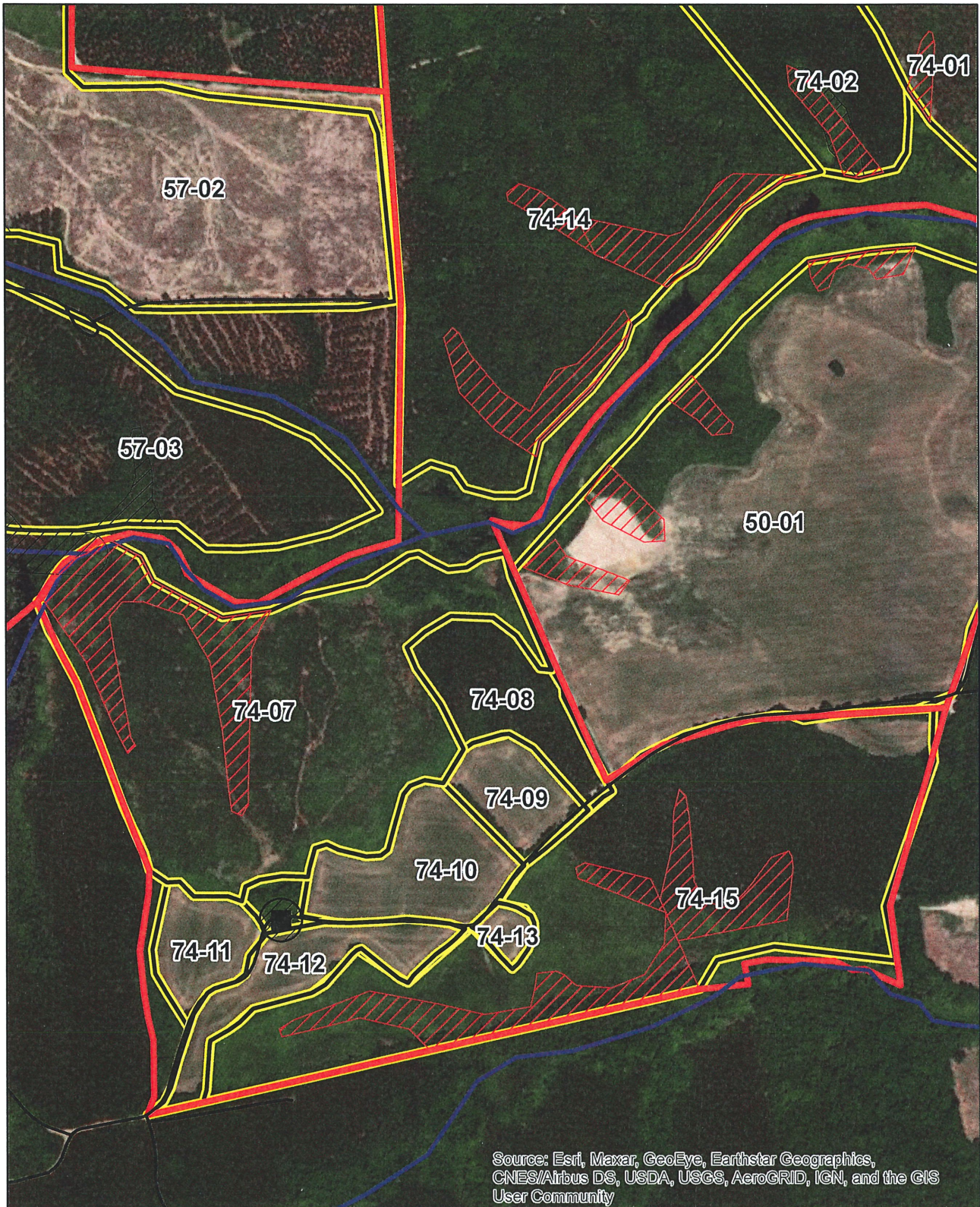
Revised 3/13/2024



1 inch = 1,000 feet

AERIAL MAP

1:12,000

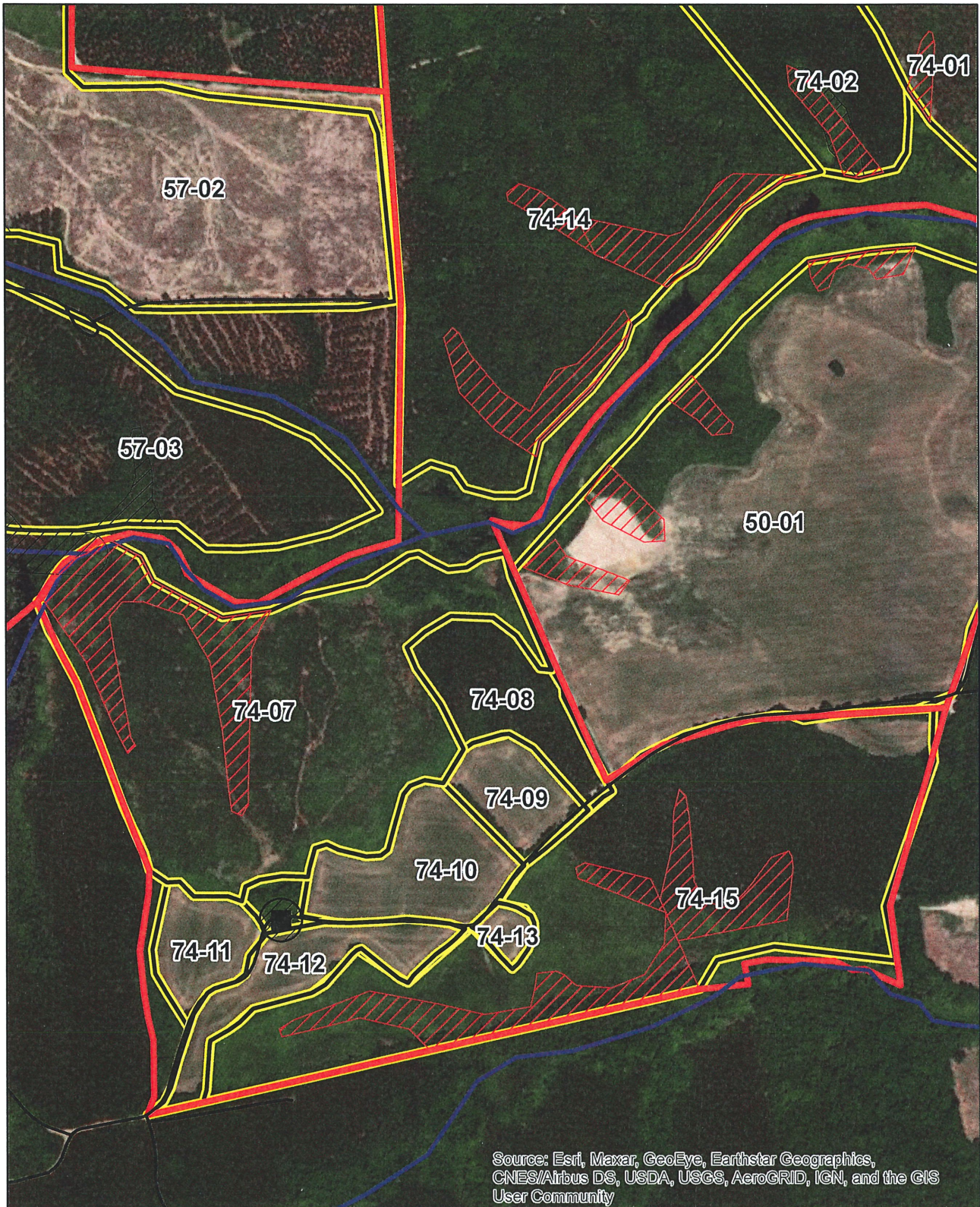


1 inch = 683 feet

AERIAL MAP

1:8,200

Revised 04/03/2024

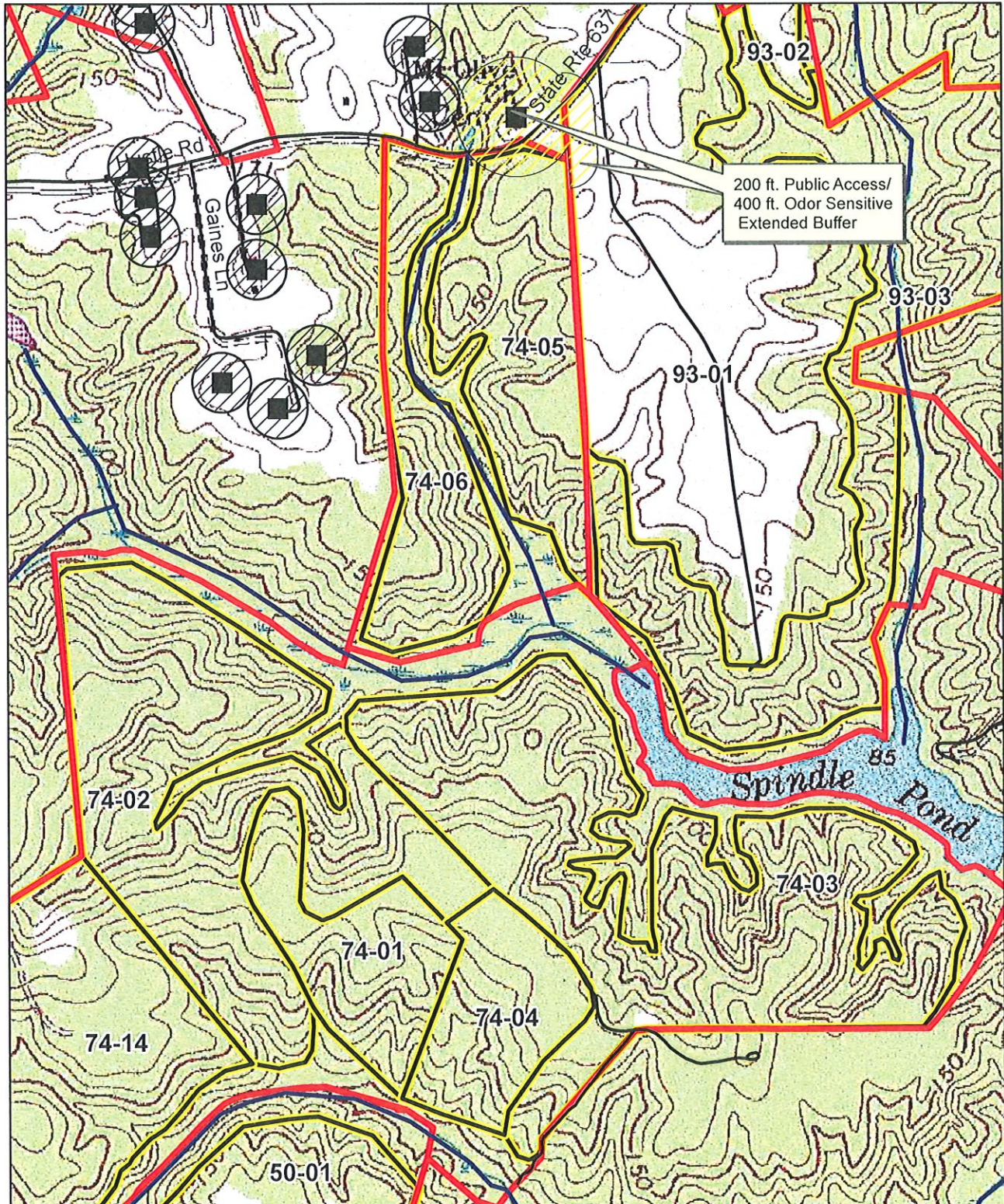


1 inch = 683 feet

AERIAL MAP

1:8,200

Revised 04/03/2024



1 inch = 1,000 feet

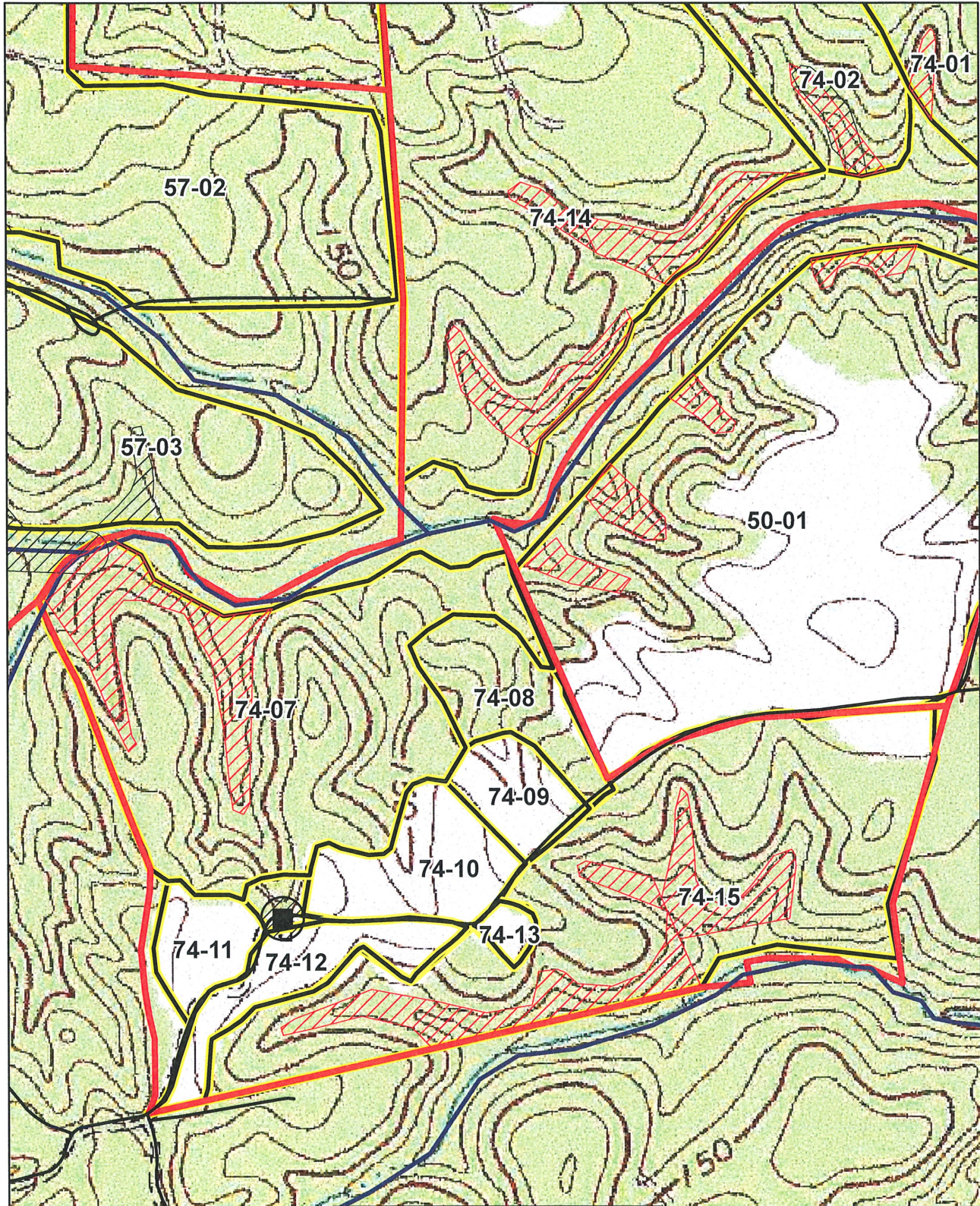
TOPO MAP

1:12,000

EXTENDED SETBACK

FIELD	ACRES	FIELD	ACRES
74-01	29.5	74-04	26.9
74-02	101.3	74-05	45.8
74-03	120.5	74-06	34.1

Revised 05/06/2024



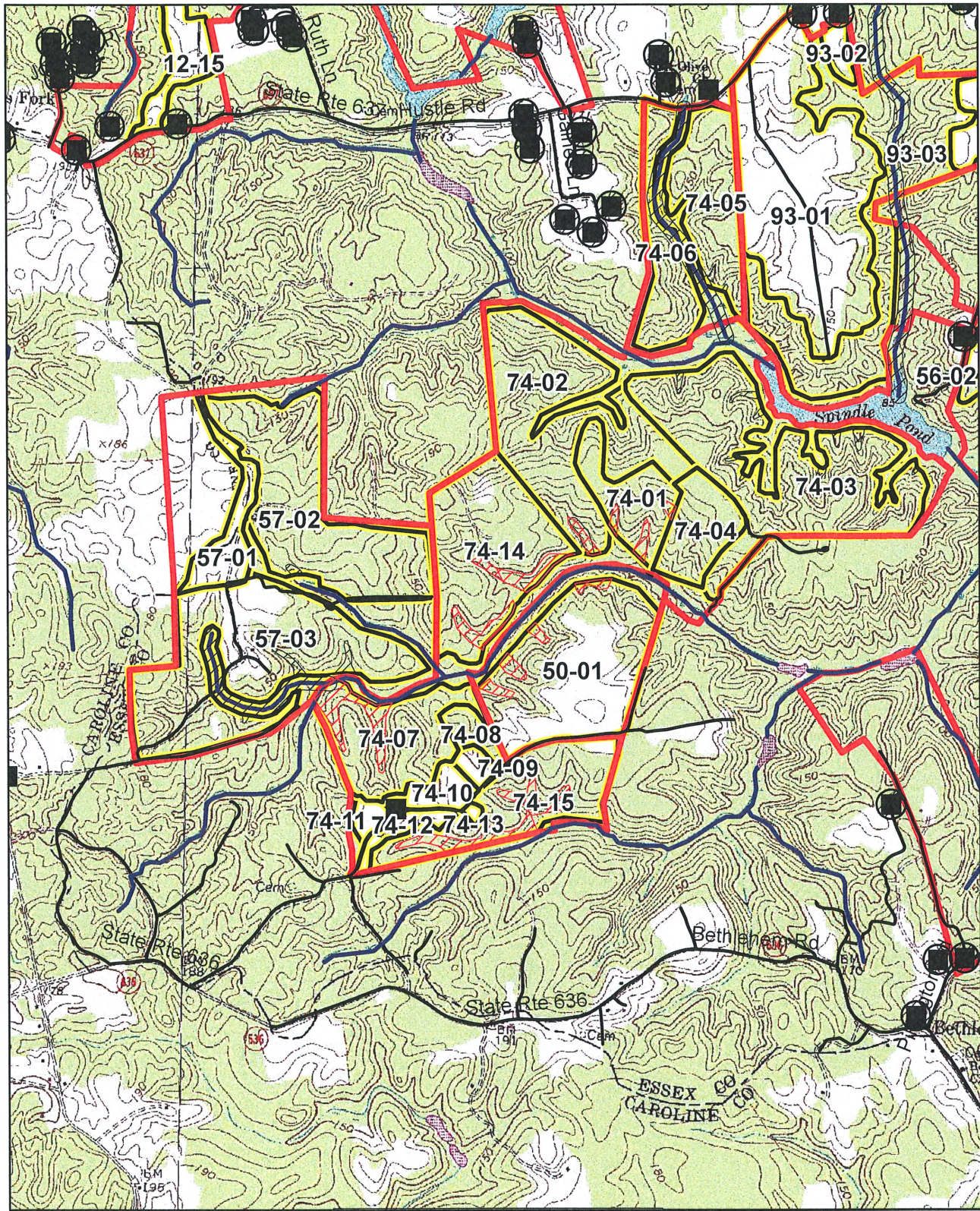
1 inch = 683 feet

TOPO MAP

1:8,200

FIELD	ACRES	FIELD	ACRES	FIELD	ACRES
74-07	51.5	74-10	9.7	74-13	1.2
74-08	8.6	74-11	4.8	74-14	79.1
74-09	5.2	74-12	7.8	74-15	58.7

Revised 04/03/2024

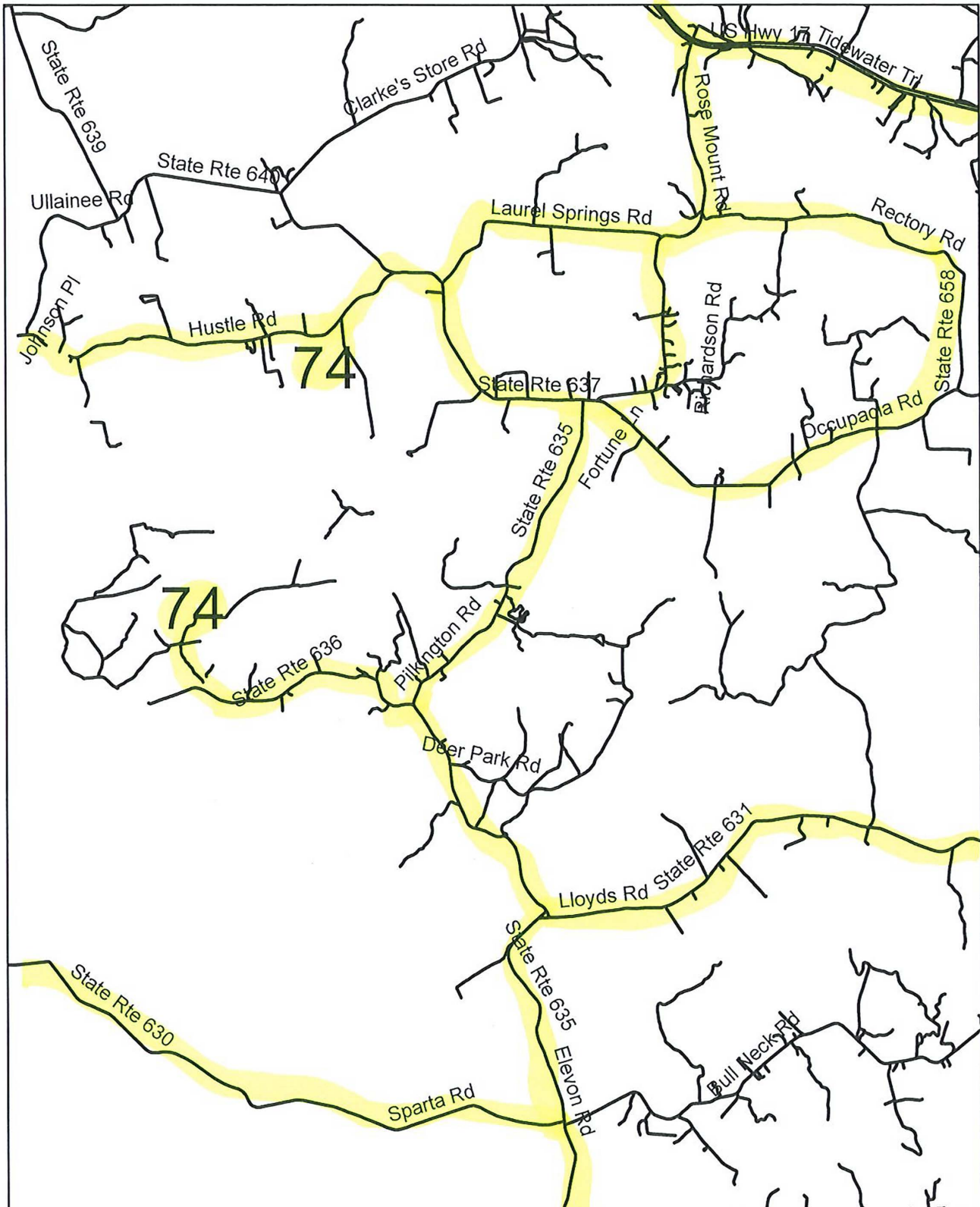


1 inch = 2,000 feet

TOPO MAP

1:24,000


Revised 04/03/2024



1 inch = 5,000 feet

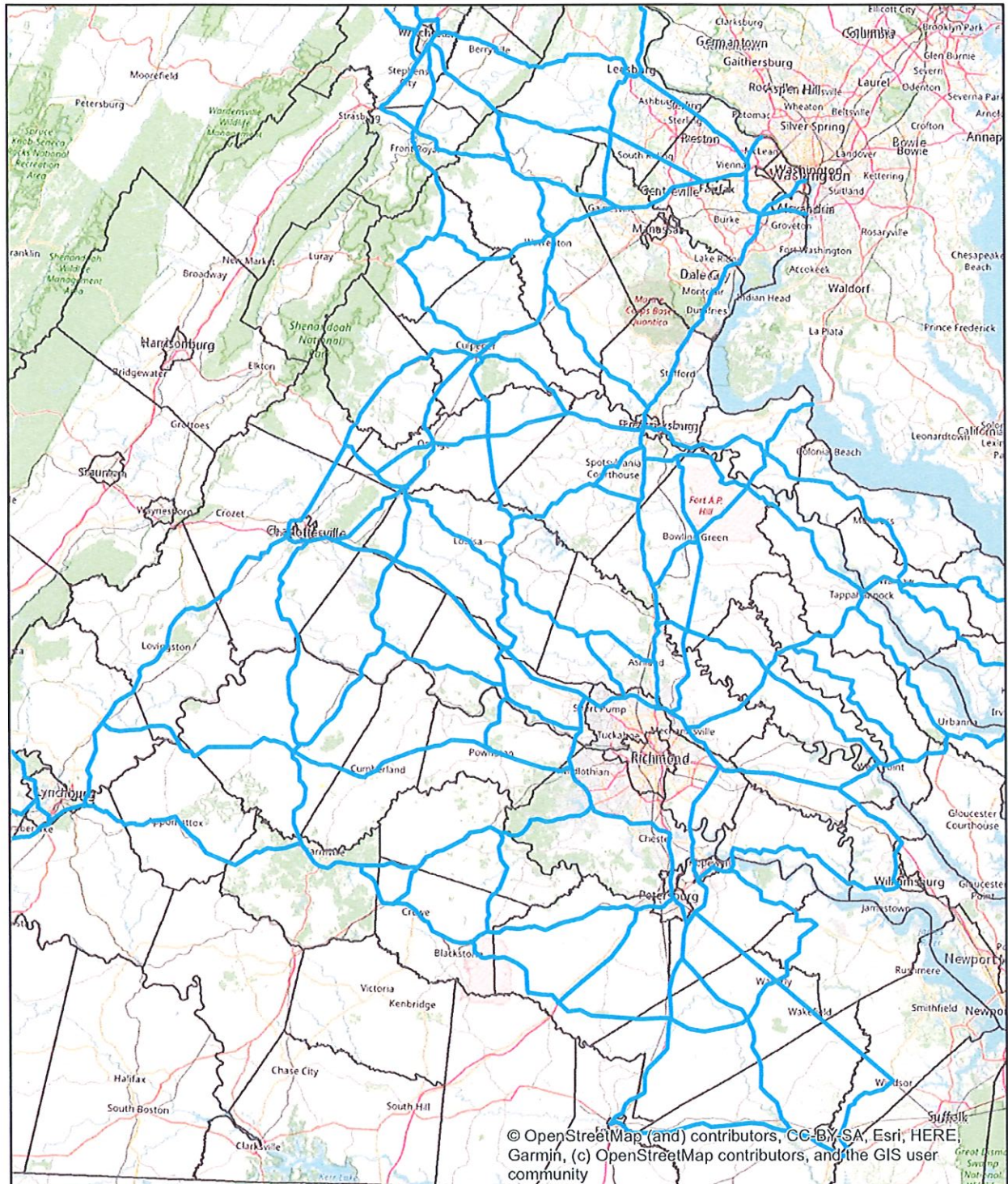
LOCATION MAP

1:60,000

 -Haul Route

Revised 11/2/22

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.