

LAND APPLICATION OF BIOSOLIDS
JAY HUNDLEY

EX 10 (FIELDS 17-22,26-36,75-76,85-97,99-102)
ESSEX COUNTY, VIRGINIA
May 6, 2025



MAY 6, 2025

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 Jay Hundley (designated as EX10, fields 17-22, 26-36, 75-76, 85-97, 99-104), 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

JAY HUNDLEY

EX 10

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
10-17	11.3	11.3		Agriculture	Lawanda W. Billingsley
10-18	24.8	24.8		Agriculture	Lawanda W. Billingsley
10-19	40.9	40.9		Agriculture	Lawanda W. Billingsley
10-20	23.4	23.4		Agriculture	Lawanda W. Billingsley
10-21	15.7	15.7		Agriculture	Lawanda W. Billingsley
10-22	28.3	28.3		Agriculture	Lawanda W. Billingsley
10-26	47.3	47.3		Agriculture	Tidewater Properties of Essex LLC
10-27	68.2	68.2		Agriculture	Tidewater Properties of Essex LLC
10-28	58.4	58.4		Agriculture	Tidewater Properties of Essex LLC
10-29	86.1	86.1		Agriculture	Tidewater Properties of Essex LLC
10-30	63.4	63.4		Agriculture	Tidewater Properties of Essex LLC
10-31	52.3	52.3		Agriculture	Lawanda W. Billingsley
10-32	5.7	5.7		Agriculture	Lawanda W. Billingsley
10-33	21.6	21.6		Agriculture	Lawanda W. Billingsley
10-34	9.6	9.6		Agriculture	Lawanda W. Billingsley
10-35	6.2	6.2		Agriculture	Tidewater Properties of Essex LLC
10-36	8.4	8.4		Siviculture	Cloverfield Farms of Virginia LLC
10-75	46.8	46.8		Agriculture	Tidewater Properties of Essex, LLC
10-76	126.1	126.1		Silvaculture	Tidewater Properties of Essex, LLC
10-85	41.7	41.7		Agriculture	Tidewater Properties of Essex, LLC
10-86	47.0	47.0		Silvaculture	Tidewater Properties of Essex, LLC
10-87	45.7	45.7		Agriculture	Tidewater Properties of Essex, LLC
10-88	54.5	54.5		Agriculture	Tidewater Properties of Essex, LLC
10-89	12.7	12.7		Agriculture	Tidewater Properties of Essex, LLC
10-90	6.5	6.5		Agriculture	Tidewater Properties of Essex, LLC
10-91	110.5	110.5		Silvaculture	Tidewater Properties of Essex, LLC
10-92	8.8	8.8		Agriculture	John P Billingsley Jr. & Lawanda W Billingsley

10-93	38.8	38.8		Agriculture	John P Billingsley Jr. &Lawanda W Billingsley
10-94	35.5	35.5		Agriculture	John P Billingsley Jr. &Lawanda W Billingsley
10-95	13.8	13.8		Agriculture	Lawanda W. Billingsley
10-96	75.4	75.4		Agriculture	Tidewater Properties of Essex LLC
10-97	197.5	197.5		Siviculture	Tidewater Properties of Essex LLC
10-99	9.5	9.5		Agriculture	Tidewater Properties of Essex LLC
10-100	9.7	9.7		Agriculture	George Forrest Dickinson Jr Trustee
					Anna Paige Dickinson Trustee
10-101	61.3	61.3		Agriculture	George Forrest Dickinson Jr Trustee
					Anna Paige Dickinson Trustee
10-102	55.9	55.9		Agriculture	George Forrest Dickinson Jr Trustee
					Anna Paige Dickinson Trustee
10-103	35.1	35.1		Agriculture	Lawanda Watts Billingsley
10-104	37.3	37.3		Agriculture	John P Billingsley Jr. &Lawanda W Billingsley
TOTALS:	1641.7	1641.7			

Rev. 05/6/2025

SYNAGRO

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Jay Handley PHONE: (804) 443-7120

ADDRESS: _____

FARM LOCATION: _____

FSA TRACT #: _____

TOTAL ACRES: _____ COUNTY: Essex

CROPS: Corn / Wheat / Soybean

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


OPERATOR'S SIGNATURE

9/3/21
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 9/3/21 between Cloverfield Farms of Virginia LLC 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
20-3			

☐ 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>Cloverfield Farms of Virginia LLC</u> By: <u>[Signature]</u> Title* <u>Manager</u>	Mailing Address 1024 Cloverfield lane Champlain Va 22438 Phone No. 804-443-7120	Landowner Signature <u>[Signature]</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>Wayne T. Wellen</u> Title: Technical Services Specialist	Mailing Address: 1681 Tappahannock Blvd, Tappahannock, VA 22560 Phone No. 443-2170	Permittee- Authorized Representative Signature <u>Wayne T. Wellen</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: Cloverfield Farms of Virginia LLC

Landowner Site Management Requirements:

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

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

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

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

Following biosolids application to pasture or hayland sites:

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


Landowner's Signature

9/3/21
Date

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

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

A. This land application agreement is made on 8/9/2021 between Tidewater Properties of Essex, LLC 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.
4-2D	4-2A	4-2F	
4-2E	4-2B		
4-1F	18-6		

☐ 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.

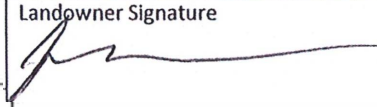
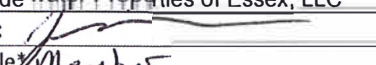
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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>Tidewater Properties of Essex, LLC</u>	Mailing Address <u>10221 Cloverfield Lane</u> <u>Champlain, VA 22438</u>	Landowner Signature 
By: 	Phone No. <u>804-443-7120</u>	
Title: <u>Member</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>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Services Specialist</u>	Phone No. <u>443-2170</u>	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Tidewater Properties of Essex, LLC

Landowner Site Management Requirements:

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

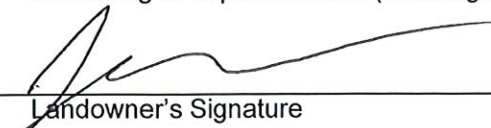
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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

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

Following biosolids application to pasture or hayland sites:

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


Landowner's Signature

6/9/2021
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 3/13/24 between George Forrest Dickinson Jr. Trustee & Anna Paige Dickinson Trustee referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in ESSEX, 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
13-11			

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

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

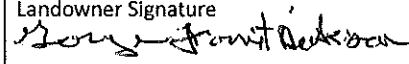
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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

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

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

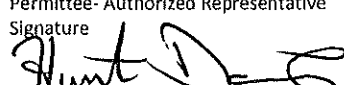
Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No ☒ Yes ☐ No

Printed name George Forrest Dickinson Jr Trustee & Anna Paige Dickinson Trustee	Mailing Address 5303 Tidewater Tr, Loretto VA 22509	Landowner Signature 
Title* George Forrest Dickinson Jr. - Trustee	Phone No. 804-241-4116	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name 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: George Forrest Dickinson Jr. Trustee & Anna Paige Dickinson Trustee

Landowner Site Management Requirements:

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

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

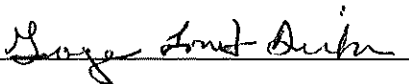
I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

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

Following biosolids application to pasture or hayland sites:

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

Landowner's Signature



8-13-24
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 3/13/24 between George Forrest Dickinson Jr. Trustee & Anna Paige Dickinson Trustee referred to here as "Landowner", and Synagro Central, LLC, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in ESSEX, 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
13-11			

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

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

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

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

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

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

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

Printed name George Forrest Dickinson Jr Trustee & Anna Paige Dickinson Trustee	Mailing Address <u>5303 Tidewater Tr</u> <u>Loritta, Va 22509</u>	Landowner Signature <u>Anna Paige Dickinson</u>
Title* Anna Paige Dickinson Trustee	Phone No. <u>540-455-4283</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name Hunter Davis.	Mailing Address: 1681 Tappahannock Blvd, Tappahannock, VA 22560	Permittee- Authorized Representative Signature <u>Hunter Davis</u>
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: George Forrest Dickinson Jr. Trustee & Anna Paige Dickinson Trustee

Landowner Site Management Requirements:

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

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

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

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

Following biosolids application to pasture or hayland sites:

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

Anna Paige Dickinson
Landowner's Signature

3-13-24
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 3/22/24 between Lawanda W Billingsley 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
13-10			
12-22			

☐ 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>Lawanda W Billingsley</u>	Mailing Address <u>7130 Magnolia Cottage Dr.</u> <u>Mechanicsville, VA 23111</u>	Landowner Signature <u>Lawanda W. Billingsley</u>
By: <u>Lawanda Watts Billingsley</u>	Phone No. <u>804-669-4287</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>Hunter Davis.</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature <u>Hunter Davis</u>
Title <u>Technical Services Specialist</u>	Phone No. <u>443-2170</u>	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Lawanda W Billingsley

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).

Lawanda W. Billingsley
Landowner's Signature

3-22-2024
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 3/22/24 between Lawanda Watts Billingsley 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
12-23			
12-12A			

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

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

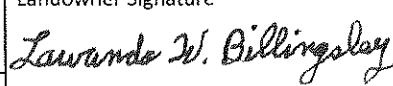
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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

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

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


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

Printed name <u>Lawanda Watts Billingsley</u>	Mailing Address <u>7130 Magnolia Cottage Dr.</u> <u>Mechanicsville, VA 23111</u>	Landowner Signature 
By: <u>Lawanda Watts Billingsley</u>	Phone No. <u>804-569-4287</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 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>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature 
Title <u>Technical Services Specialist</u>	Phone No. <u>443-2170</u>	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: Lawanda Watts Billingsley

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).

Lawanda W. Billingsley
Landowner's Signature

3-22-2024
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 3/22/24 between John P. Billingsley, Jr and Lawanda W. Billingsley, 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
12-13			

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

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

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

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

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

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

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

Printed name <u>John P. Billingsley Jr et ux</u>	Mailing Address <u>7130 MAGNOLIA COTTAGE DR MECHANICSVILLE, VA 23111</u>	Landowner Signature <u>John P. Billingsley, Jr.</u>
By: <u>JOHN P. BILLINGSLEY, JR.</u>	Phone No. <u>(804) 569-4287</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>Hunter Davis.</u>	Mailing Address: <u>1681 Tappahannock Blvd, Tappahannock, VA 22560</u>	Permittee- Authorized Representative Signature <u>Hunter Davis</u>
Title <u>Technical Services Specialist</u>	Phone No. <u>443-2170</u>	

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: John P Billingsley Jr and Lawanda W Billingsley

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).

John P. Billingsley, Jr.
Landowner's Signature

3-22-2024
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 3/22/24 between John P Billingsley Jr & Lawanda W Billingsley 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
12-13			

☐ 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>Lawanda Watts Billingsley</u>	Mailing Address <u>7130 Magnolia Cottage Dr.</u>	Landowner Signature <u>Lawanda W. Billingsley</u>
By: <u>Lawanda Watts Billingsley</u>	<u>Mechanicsville, VA 23111</u>	
Title: <u>Owner</u>	Phone No. <u>804-569-4287</u>	
<p>*<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.</p> <p>*<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.</p>		

Permittee:

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

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

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

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

Permittee: SYNAGRO CENTRAL LLC County or City: ESSEX

Landowner: John P Billingsley Jr and Lawanda W Billingsley

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).

Lawanda W. Billingsley
Landowner's Signature

3-22-2024
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.

Permittee: Synagro Central, LLC

County or City: Essex (EX 10)

Please Print

(Signatures not required on this page)

<u>Tax Parcel ID(s)</u>	<u>Landowner(s)</u>
4-1F	TIDEWATER PROPERTIES OF ESSEX LLC
4-2A	TIDEWATER PROPERTIES OF ESSEX LLC
4-2B	TIDEWATER PROPERTIES OF ESSEX LLC
4-2D	TIDEWATER PROPERTIES OF ESSEX LLC
4-2E	TIDEWATER PROPERTIES OF ESSEX LLC
4-2F	TIDEWATER PROPERTIES OF ESSEX LLC
18-6	TIDEWATER PROPERTIES OF ESSEX LLC
20-3	CLOVERFIELD FARMS OF VA LLC
3-37	LAWANDA W. BILLINGSLEY
9-1	LAWANDA W. BILLINGSLEY
13-10	LAWANDA W. BILLINGSLEY
12-22	LAWANDA W. BILLINGSLEY
12-23	LAWANDA W. BILLINGSLEY
12-13	JOHN P & LAWANDA W BILLINGSLEY JR
13-11	GEORGE FORREST DICKINSON JR TRUSTEE
	ANNA PAIGE DICKINSON TRUSTEE

748 TIDEWATER TRL

Location 748 TIDEWATER TRL

Mblu 4 / 2 / A /

Acct# 354

Owner TIDEWATER PROPERTIES OF
ESSEX

Taxable Status Non-Exempt

Class Agrigultural - 100+ Ac

Assessment \$492,600

Appraisal \$492,580

PID 2680

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$288,200	\$204,380	\$492,580
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$288,200	\$204,400	\$492,600

Owner of Record

Owner TIDEWATER PROPERTIES OF ESSEX
Co-Owner
Address 1024 CLOVERFIELD LN
CHAMPLAIN, VA 22438

Sale Price \$0
Certificate 2021
Book & Page /
Sale Date 04/05/2021
Instrument 01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER BETTY JO LOVING TRUSTEE	\$0	11	108/163	00	01/03/2011

Building Information

Building 1 : Section 1

Year Built: 1970

0 SUPPLY RD

Location	0 SUPPLY RD	Mblu	4/ / 2/ B/
Acct#	358	Owner	TIDEWATER PROPERTIES OF ESSEX
Taxable Status	Non-Exempt	Class	Agrigultural - 100+ Ac
Assessment	\$107,400	Appraisal	\$107,387
PID	2721	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$107,387	\$107,387
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$107,400	\$107,400

Owner of Record

Owner	TIDEWATER PROPERTIES OF ESSEX	Sale Price	\$0
Co-Owner		Certificate	2021
Address	1024 CLOVERFIELD LN CHAMPLAIN, VA 22438	Book & Page	/
		Sale Date	04/05/2021
		Instrument	01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER LEE D III ET AL TRUSTEES	\$0		313/489	00	06/02/2004

Building Information

Building 1 : Section 1
Year Built:

0 SUPPLY RD

Location 0 SUPPLY RD

Mblu 4 / 2 / C /

Acct# 359

Owner TIDEWATER PROPERTIES OF
ESSEX

Taxable Status Non-Exempt

Class Agricultural- 20-100 Ac

Assessment \$55,300

Appraisal \$55,290

PID 2732

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$55,290	\$55,290
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$55,300	\$55,300

Owner of Record

Owner TIDEWATER PROPERTIES OF ESSEX
Co-Owner
Address 1024 CLOVERFIELD LN
CHAMPLAIN, VA 22438

Sale Price \$0
Certificate 2021
Book & Page /
Sale Date 04/05/2021
Instrument 01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER LEE D III ET AL TRUSTEES	\$0		313/489	00	06/02/2004

Building Information

Building 1 : Section 1

Year Built:

0 TIDEWATER TRL

Location	0 TIDEWATER TRL	Mblu	4/ / 2/ D/
Acct#	355	Owner	TIDEWATER PROPERTIES OF ESSEX
Taxable Status	Non-Exempt	Class	Agrigultural - 100+ Ac
Assessment	\$547,600	Appraisal	\$547,600
PID	2688	Building Count	1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$547,600	\$547,600
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$547,600	\$547,600

Owner of Record

Owner	TIDEWATER PROPERTIES OF ESSEX	Sale Price	\$0
Co-Owner		Certificate	2021
Address	1024 CLOVERFIELD LN CHAMPLAIN, VA 22438	Book & Page	/
		Sale Date	04/05/2021
		Instrument	01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER LEE D III TRUSTEE	\$0		0/0	00	06/02/2004

Building Information

Building 1 : Section 1
Year Built:

0 SUPPLY RD RT 625 (OFF)

Location

0 SUPPLY RD RT 625 (OFF)

Mblu

4 / 2 / E /

Acct#

360

Owner

TIDEWATER PROPERTIES OF ESSEX

Class

Sngl Fam Res - Suburban

Assessment

\$51,262

Appraisal

\$51,262

PID

2743

Building Count

1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$43,262	\$8,000	\$51,262
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$43,262	\$8,000	\$51,262

Owner of Record

Owner

TIDEWATER PROPERTIES OF ESSEX

Co-Owner

Address

1024 CLOVERFIELD LN
CHAMPLAIN, VA 22438

Sale Price

\$0

Certificate

2021

Book & Page

/

Sale Date

04/05/2021

Instrument

01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER BETTY JO LOVING TRUSTEE	\$0	11	148/37	00	01/03/2011

Building Information

Building 1 : Section 1

Year Built:

Living Area:

0

0 TIDEWATER TRL

Location 0 TIDEWATER TRL

Mblu 4 / 2 / F /

Acct# 356

Owner TIDEWATER PROPERTIES OF
ESSEX

Taxable Status Non-Exempt

Class Agrigultural - 100+ Ac

Assessment \$54,800

Appraisal \$54,750

PID 2699

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$54,750	\$54,750
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$54,800	\$54,800

Owner of Record

Owner TIDEWATER PROPERTIES OF ESSEX
Co-Owner
Address 1024 CLOVERFIELD LN
CHAMPLAIN, VA 22438

Sale Price \$0
Certificate 2021
Book & Page /
Sale Date 04/05/2021
Instrument 01

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
TIDEWATER PROPERTIES OF ESSEX	\$0	2021	/	01	04/05/2021
BUTLER BETTY JO LOVING ET AL	\$0		0/0	00	06/02/2004

Building Information

Building 1 : Section 1

Year Built:

656 CLOVERFIELD LANE

Location 656 CLOVERFIELD LANE

Mblu 20 / 3 / 1

Acct# 1011

Owner CLOVERFIELD FARMS OF VA
LLC

Class Agrigultural - 100+ Ac

Assessment \$1,004,460

Appraisal \$1,004,440

PID 14

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$99,860	\$904,580	\$1,004,440
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$99,860	\$904,600	\$1,004,460

Owner of Record

Owner CLOVERFIELD FARMS OF VA LLC
Co-Owner
Address 694 CLOVERFIELD LANE
CHAMPLAIN, VA 22438

Sale Price \$0
Certificate
Book & Page 262/948
Sale Date 02/26/2002
Instrument 00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
CLOVERFIELD FARMS OF VA LLC	\$0		262/948	00	02/26/2002

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 WALNUT SHADE RD

Location 0 WALNUT SHADE RD

Mblu 3/1 37/1

Acct# 246

Owner BILLINGSLEY LAWANDA WATTS

Taxable Status Non-Exempt

Total Taxable Value \$93,000

Class Agrigultural - 100+ Ac

Appraisal \$156,875

PID 1540

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$156,875	\$156,875
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$0	\$156,875	\$156,875	\$93,000	\$93,000

Owner of Record

Owner BILLINGSLEY LAWANDA WATTS
Co-Owner
Address 7130 MAGNOLIA COTTAGE DR
MECHANICSVILLE, VA 23111-7057

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

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY LAWANDA WATTS	\$0		0/0	00	04/22/2020

Building Information

Building 1 : Section 1

Year Built:
Living Area: 960
Replacement Cost: \$0

0 WALNUT SHADE RD

Location 0 WALNUT SHADE RD

Mblu 9 / 1 / 1

Acct# 248

Owner BILLINGSLEY LAWANDA WATTS

Taxable Status Non-Exempt

Total Taxable Value \$135,400

Class Agricultural- 20-100 Ac

Appraisal \$265,860

PID 1562

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$265,860	\$265,860
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$0	\$265,860	\$265,860	\$135,400	\$135,400

Owner of Record

Owner BILLINGSLEY LAWANDA WATTS
Co-Owner
Address 7130 MAGNOLIA COTTAGE DR
MECHANICSVILLE, VA 23111-7057

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

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY LAWANDA WATTS	\$0		0/0	00	04/22/2020

Building Information

Building 1 : Section 1

Year Built:
Living Area: 1,208
Replacement Cost: \$0

0 LAYTONS LANDING RD

Location

0 LAYTONS LANDING RD

Mblu

13/ / 10/ /

Acct#

1796

Owner

BILLINGSLEY LAWANDA W

Taxable Status

Non-Exempt

Total Taxable Value

\$271,500

Class

Agrigultural - 100+ Ac

Appraisal

\$485,600

PID

843

Building Count

1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$200		\$485,400	\$485,600
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$200	\$485,400	\$485,600	\$271,300	\$271,500

Owner of Record

Owner

BILLINGSLEY LAWANDA W

Sale Price

\$0

Co-Owner

Certificate

07

Address

7130 MAGNOLIA COTTAGE DR
MECHANICSVILLE, VA 23111-7057

Book & Page

0/0

Sale Date

08/24/2007

Instrument

00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY LAWANDA W	\$0	07	0/0	00	08/24/2007

Building Information

Building 1 : Section 1

Year Built:

Living Area:

0

Replacement Cost:

\$0

0 LAYTONS LANDING RD

Location 0 LAYTONS LANDING RD

Mblu 12 / 22 /

Acct# 1792

Owner BILLINGSLEY LAWANDA W

Taxable Status Non-Exempt

Total Taxable Value \$26,100

Class Agricultural- 20-100 Ac

Appraisal \$68,520

PID 839

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$68,520	\$68,520
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$0	\$68,520	\$68,520	\$26,100	\$26,100

Owner of Record

Owner	BILLINGSLEY LAWANDA W	Sale Price	\$0
Co-Owner		Certificate	07
Address	7130 MAGNOLIA COTTAGE DR MECHANICSVILLE, VA 23111-7057	Book & Page	0/0
		Sale Date	08/24/2007
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY LAWANDA W	\$0	07	0/0	00	08/24/2007

Building Information

Building 1 : Section 1

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

0 LAYTONS LANDING RD

Location

0 LAYTONS LANDING RD

Mblu

12 / 23 /

Acct#

250

Owner

BILLINGSLEY LAWANDA WATTS

Taxable Status

Non-Exempt

Total Taxable Value

\$70,600

Class

Agricultural- 20-100 Ac

Appraisal

\$132,500

PID

1584

Building Count

1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$132,500	\$132,500
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$0	\$132,500	\$132,500	\$70,600	\$70,600

Owner of Record

Owner

BILLINGSLEY LAWANDA WATTS

Sale Price

\$0

Co-Owner

Certificate

Address

7130 MAGNOLIA COTTAGE DR
MECHANICSVILLE, VA 23111-7057

Book & Page

0/0

Sale Date

04/22/2020

Instrument

00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY LAWANDA WATTS	\$0		0/0	00	04/22/2020

Building Information

Building 1 : Section 1

Year Built:

Living Area:

1,338

Replacement Cost:

\$0

0 LAYTONS LANDING RD

Location 0 LAYTONS LANDING RD

Mblu 12 / 13 /

Acct# 240

Owner BILLINGSLEY JOHN P JR

Taxable Status Non-Exempt

Total Taxable Value \$228,100

Class Agrigultural - 100+ Ac

Appraisal \$362,100

PID 1477

Building Count 1

Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2021		\$0		\$362,100	\$362,100
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Total Taxable Value
2021	\$0	\$362,100	\$362,100	\$228,100	\$228,100

Owner of Record

Owner	BILLINGSLEY JOHN P JR	Sale Price	\$0
Co-Owner	BILLINGSLEY LAWANDA W	Certificate	
Address	7130 MAGNOLIA COTTAGE DR	Book & Page	155/444
	MECHANICSVILLE, VA 23111-7057	Sale Date	04/22/2020
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
BILLINGSLEY JOHN P JR	\$0		155/444	00	04/22/2020

Building Information

Building 1 : Section 1

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

0 LAYTONS LANDING RD

Location 0 LAYTONS LANDING RD

Mblu 13 / 11 /

Acct# 549

Owner DICKINSON GEORGE
FORREST JR TRUSTEE

Taxable Status Non-Exempt

Class Agrigultural - 100+ Ac

Assessment \$243,200

Appraisal \$243,150

PID 4709

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$0	\$243,150	\$243,150
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$0	\$243,200	\$243,200

Owner of Record

Owner	DICKINSON GEORGE FORREST JR TRUSTEE	Sale Price	\$0
Co-Owner	DICKINSON ANNA PAIGE TRUSTEE	Certificate	09
Address	5303 TIDEWATER TRAIL	Book & Page	206/379
	LORETTO, VA 22509	Sale Date	03/24/2009
		Instrument	00

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
DICKINSON GEORGE FORREST JR TRUSTEE	\$0	09	206/379	00	03/24/2009

Building Information

Building 1 : Section 1

Year Built:

Living Area: 0

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
Lawanda W. Billingsley	10-17	13-10
Lawanda W. Billingsley	10-18	13-10
Lawanda W. Billingsley	10-19	13-10
Lawanda W. Billingsley	10-20	13-10
Lawanda W. Billingsley	10-21	13-10
Lawanda W. Billingsley	10-22	13-10
Tidewater Properties of Essex LLC	10-26	4-1F
Tidewater Properties of Essex LLC	10-27	4-2D
Tidewater Properties of Essex LLC	10-28	4-2D
		4-2E
Tidewater Properties of Essex LLC	10-29	4-2E
		4-2D
Tidewater Properties of Essex LLC	10-30	4-2D
Lawanda W. Billingsley	10-31	3-37
		9-1
Lawanda W. Billingsley	10-32	3-37
Lawanda W. Billingsley	10-33	9-1
Lawanda W. Billingsley	10-34	3-37
Tidewater Properties of Essex LLC	10-35	4-1F
Cloverfield Farms of Va LLC	10-36	20-3
Tidewater Properties of Essex LLC	10-75	18-6
Tidewater Properties of Essex LLC	10-76	18-6
Tidewater Properties of Essex LLC	10-85	18-6
Tidewater Properties of Essex LLC	10-86	18-6
Tidewater Properties of Essex LLC	10-87	18-6
Tidewater Properties of Essex LLC	10-88	18-6
Tidewater Properties of Essex LLC	10-89	18-6
Tidewater Properties of Essex LLC	10-90	18-6
Tidewater Properties of Essex LLC	10-91	18-6
John P Billingsley Jr and Lawanda W Billingsley	10-92	12-13
	10-93	12-13
	10-94	12-13
Lawanda W. Billingsley	10-95	12-22
Tidewater Properties of Essex LLC	10-96	4-2A
Tidewater Properties of Essex LLC	10-97	4-2A
		4-2F
Tidewater Properties of Essex LLC	10-99	4-2B
George Forrest Dickinson Jr Trustee	10-100	13-11
Anna Paige Dickinson Trustee		
George Forrest Dickinson Jr Trustee	10-101	13-11
Anna Paige Dickinson Trustee		

George Forrest Dickinson Jr Trustee	10-102	13-11
Anna Paige Dickinson Trustee		
Lawanda Watts Billingsley	10-103	12-23
John P Billingsley Jr and Lawanda W Billingsley	10-104	12-13

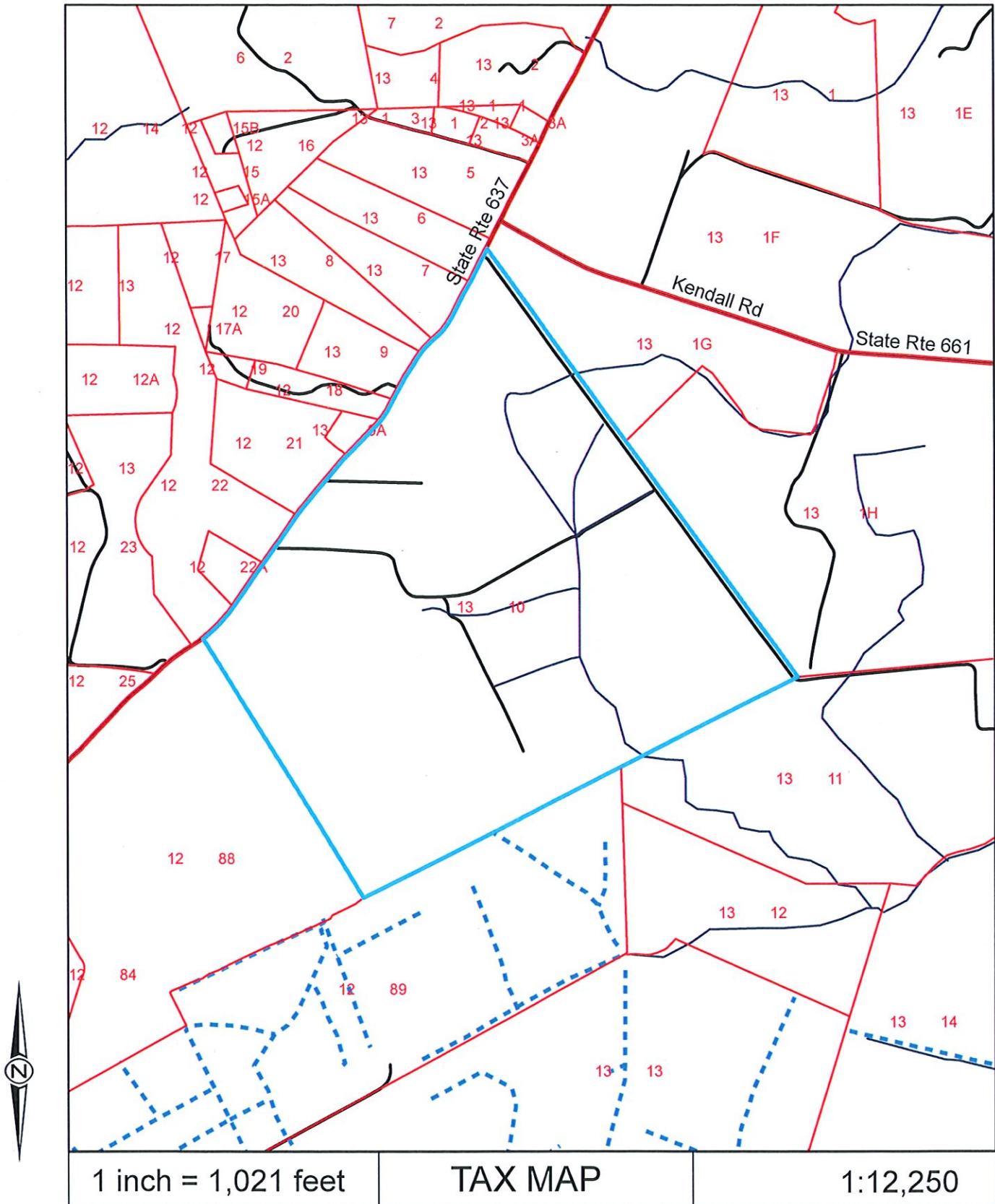
Field Number	Longitude (West)	Latitude (North)
10-17	38.064°	-76.996°
10-18	38.066°	-76.997°
10-19	38.068°	-76.991°
10-20	38.071°	-76.996°
10-21	38.071°	-76.994°
10-22	38.067°	-76.995°
10-26	38.117°	-77.111°
10-27	38.114°	-77.110°
10-28	38.112°	-77.105°
10-29	38.108°	-77.108°
10-30	38.110°	-77.114°
10-31	38.080°	-77.136°
10-32	38.084°	-77.135°
10-33	38.378°	-77.131°
10-34	38.083°	-77.132°
10-35	38.110°	-77.119°
10-36	38.043°	-76.959°
10-75	38.031°	-77.031°
10-76	38.033°	-77.028°
10-85	38.030°	-77.035°
10-86	38.028°	-77.031°
10-87	38.032°	-77.037°
10-88	38.035°	-77.037°
10-89	37.038°	-77.035°
10-90	38.031°	-77.027°
10-91	38.029°	-77.025°
10-92	38.074°	-77.009°
10-93	38.074°	-77.014°
10-94	38.078°	-77.013°
10-95	38.043°	-77.004°
10-96	38.103°	-77.113°
10-97	38.104°	-77.106°
10-99	38.101°	-77.133°
10-100	38.064°	-76.991°
10-101	38.066°	-76.987°

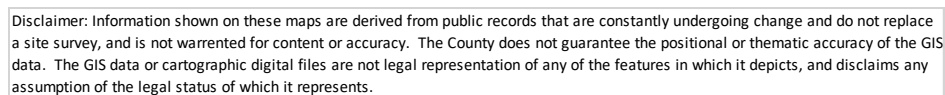
10-102	38.066°	-76.979°
10-103	38.068°	-77.007°
10-104	38.072°	-77.010°

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

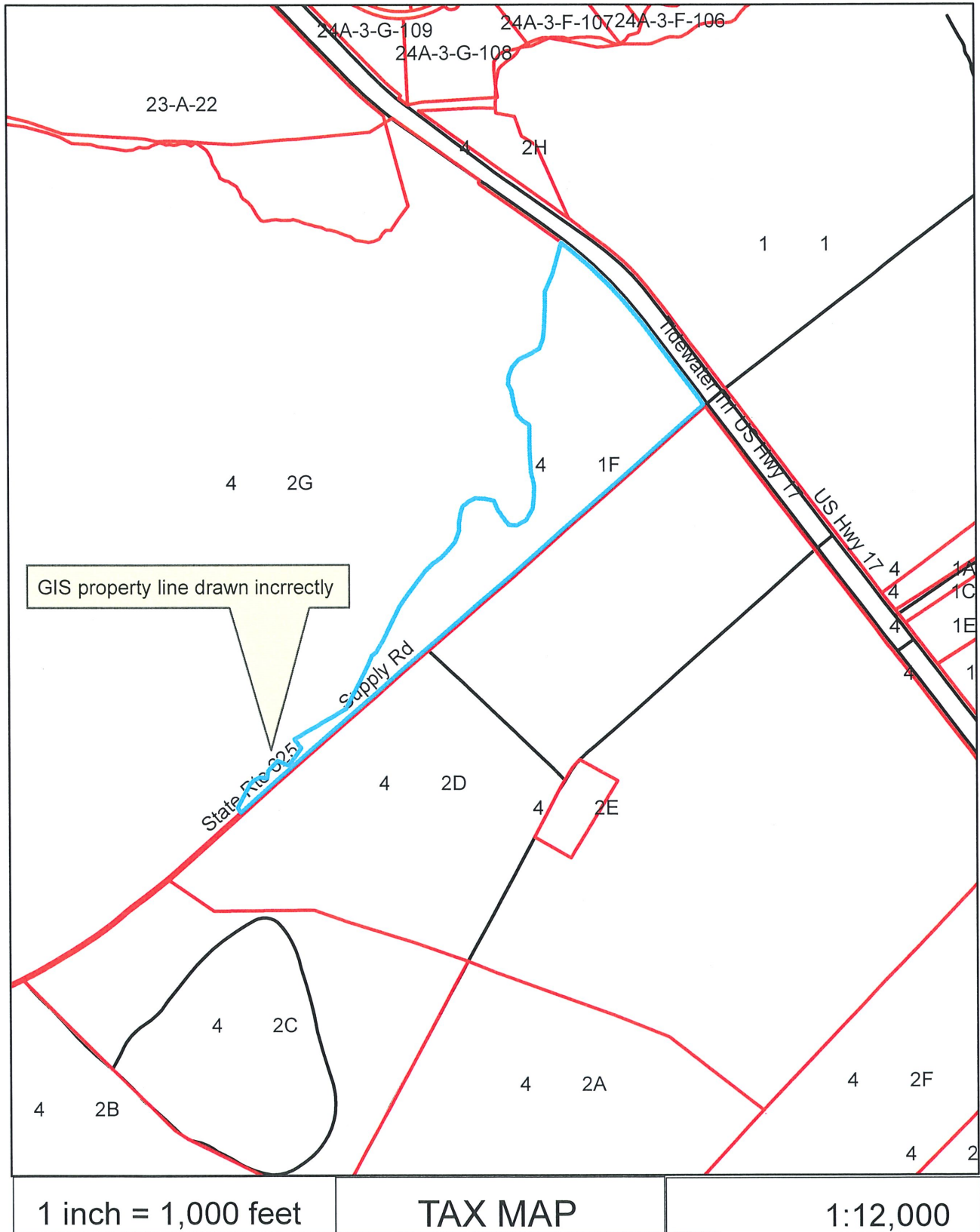
Haul Route:

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.



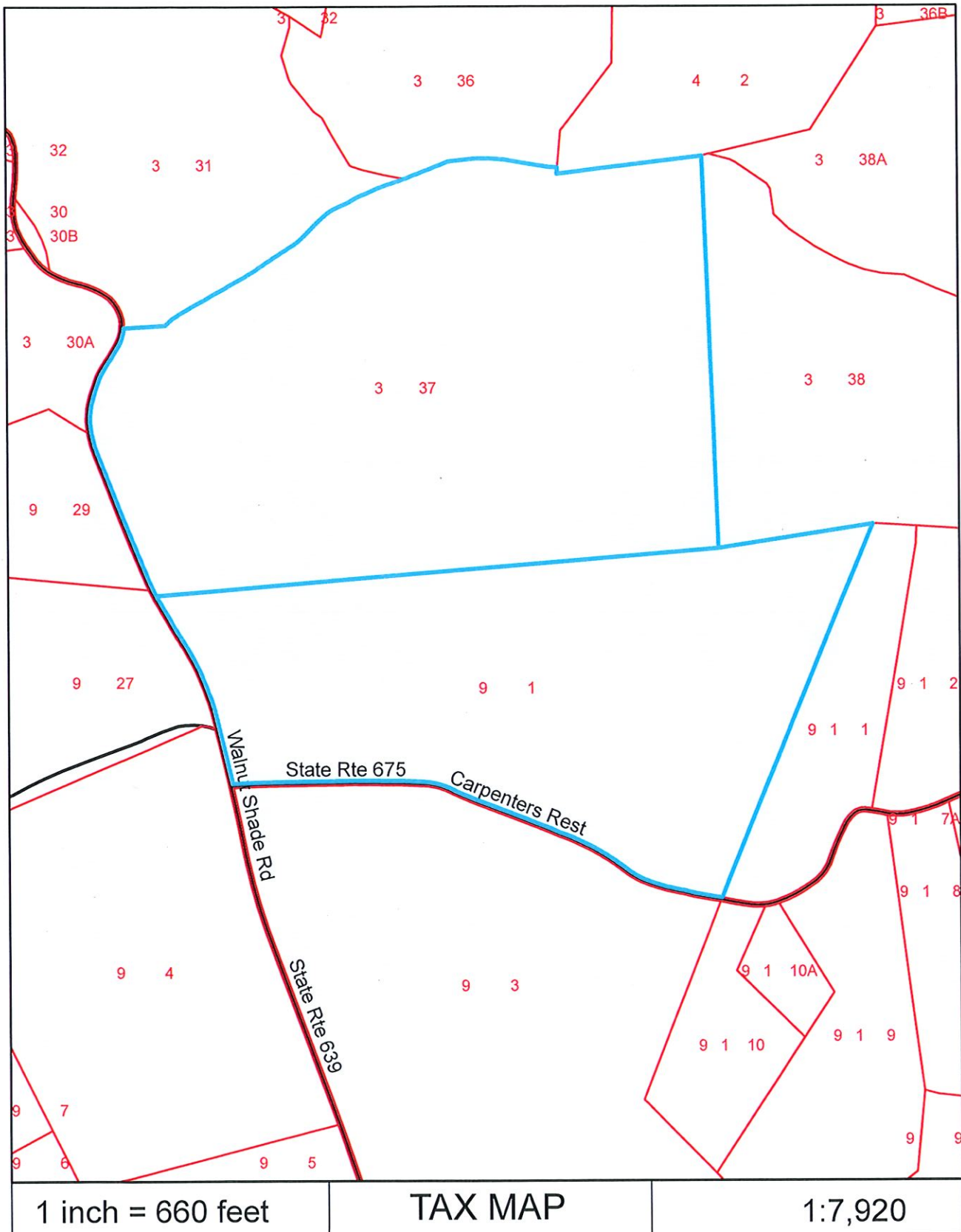


Revised 05/06/2025

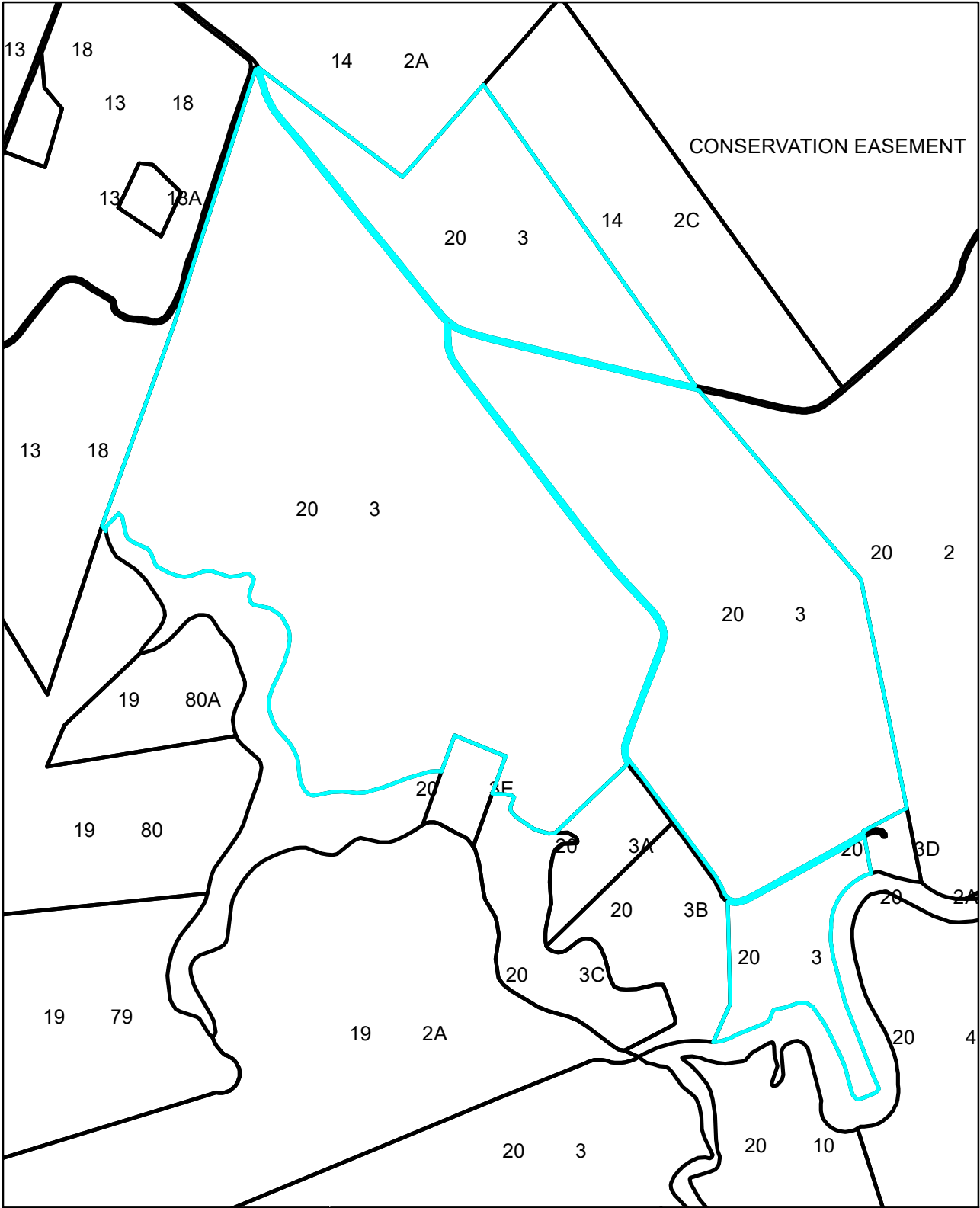


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Revised 04/03/2024



Jay Hundley
EX 10
Field 36



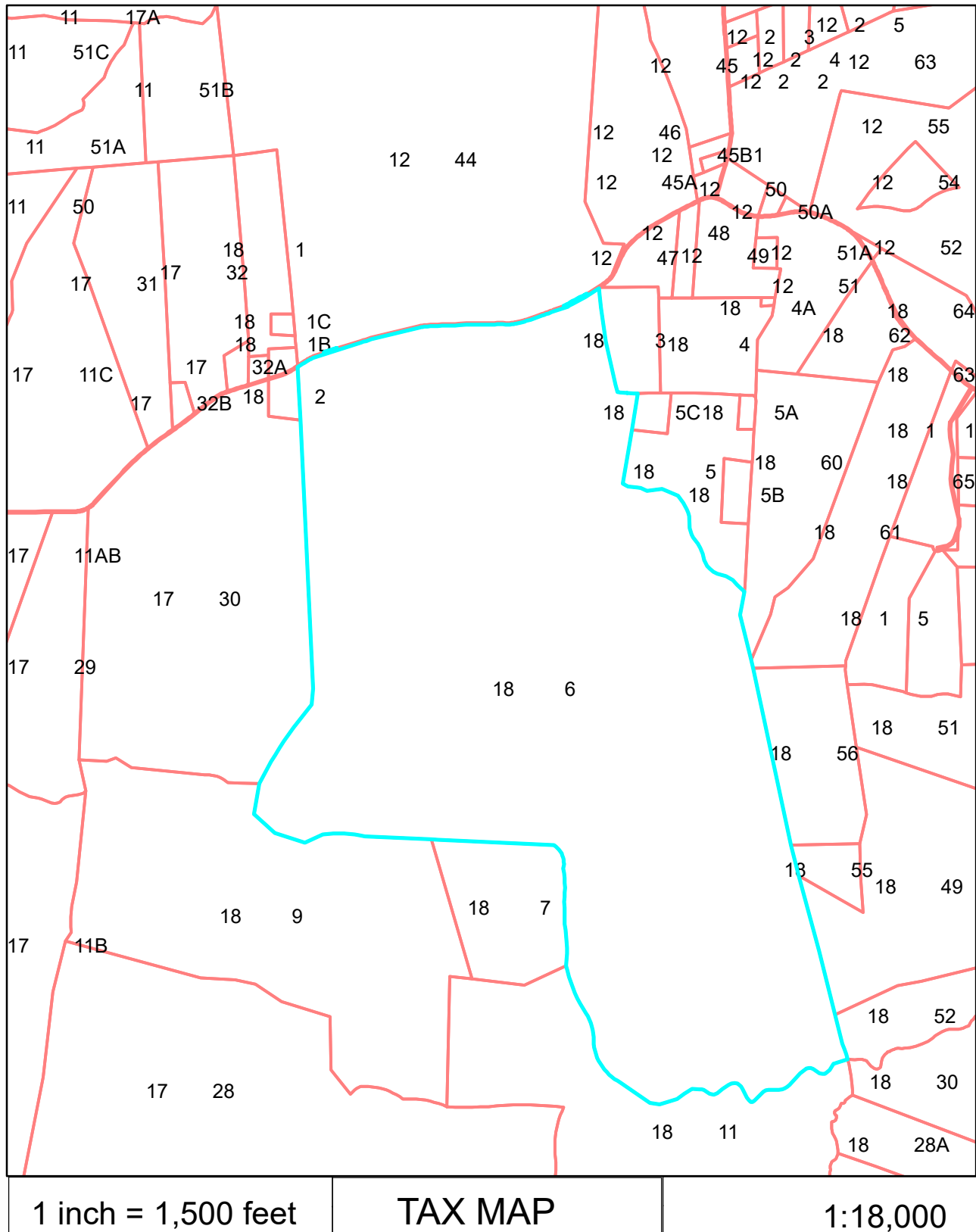
1 inch = 833 feet

TAX MAP

1:10,000

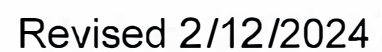
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Revised 3/4/2024



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Revised 05/06/2025





Farm Summary Report

Plan: New Plan Fall, 2024 - Winter, 2034

Farm Name: New Farm
Location: Essex
Specialist: Hunter Davis
N-based Acres: 1411.4
P-based Acres: 0.0

Tract Name: EX10
FSA Number: 0
Location: Essex

Field Name: 17
Total Acres: 11.30 Usable Acres: 11.30
FSA Number: 0
Tract: EX10
Location: Essex
Slope Class: A 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	7A	Chickahominy

Field Warnings:

Crop Rotation:

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

Field Name: 18

Total Acres: 24.80 Usable Acres: 24.80

FSA Number: 0

Tract: EX10

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
83	7A	Chickahominy
2	19E	Emporia Rumford
15	20D	Rumford Slagle

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

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

Field Name: 19

Total Acres: 40.90 Usable Acres: 40.90

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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	7A	Chickahominy
0	20D	Rumford Slagle

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

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

Field Name: 20

Total Acres: 23.40 Usable Acres: 23.40

FSA Number: 0

Tract: EX10

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
25	7A	Chickahominy
13	19E	Emporia Rumford
1	24A	Tetotum
56	24B	Tetotum
5	25A	Tomotley

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

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

Field Name: 21

Total Acres: 15.70 Usable Acres: 15.70

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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	7A	Chickahominy

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

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

Field Name: 22

Total Acres: 28.30 Usable Acres: 28.30

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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	7A	Chickahominy
15	24B	Tetotum

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

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

Field Name: 26

Total Acres: 47.30 Usable Acres: 47.30

FSA Number: 0

Tract: EX10

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	24A	Tetotum
9	24B	Tetotum
6	20D	Rumford Slagle

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

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

Field Name: 27

Total Acres: 68.20 Usable Acres: 68.20

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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
32	13A	Munden
68	24A	Tetotum

Field Warnings:**Crop Rotation:**

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

Field Name: 28

Total Acres: 58.40 Usable Acres: 58.40

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	13A	Munden
35	24A	Tetotum
10	25A	Tomotley

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

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

Field Name: 29

Total Acres: 86.10 Usable Acres: 86.10

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
19	25A	Tomotley
9	24A	Tetotum
12	22A	State1
3	14A	Newflat
57	13A	Munden

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

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

Field Name: 30

Total Acres: 63.40 Usable Acres: 63.40

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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
46	24A	Tetotum
12	25A	Tomotley
25	8A	Dogue
17	13A	Munden

Field Warnings:**Crop Rotation:**

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

Field Name: 31

Total Acres: 52.30 Usable Acres: 52.30

FSA Number: 0

Tract: EX10

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
5	9B	Emporia
10	9C	Emporia
48	10B	Kempsville
3	10C	Kempsville
12	20D	Rumford Slagle
22	23B	Suffolk

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

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

Field Name: 32

Total Acres: 5.70 Usable Acres: 5.70

FSA Number: 0

Tract: EX10

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
4	3A	Bibb
36	20D	Rumford Slagle
60	10B	Kempsville

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: 33

Total Acres: 21.60 Usable Acres: 21.60

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: C Hydrologic Group: B

Riparian buffer width: 0 ft

Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
23	10C	Kempsville
9	19E	Emporia Rumford
69	23B	Suffolk

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

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

Field Name: 34

Total Acres: 9.60 Usable Acres: 9.60

FSA Number: 0

Tract: EX10

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
2	20D	Rumford Slagle
30	9B	Emporia
67	10B	Kempsville
2	19E	Emporia Rumford

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

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

Field Name: 35

Total Acres: 6.20 Usable Acres: 6.20

FSA Number: 0

Tract: EX10

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
97	8A	Dogue
3	19E	Emporia Rumford

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

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

Field Name: 36

Total Acres: 8.40 Usable Acres: 8.40

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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
---------	--------	-------------

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

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

Field Name: 90

Total Acres: 35.10 Usable Acres: 35.10

FSA Number: 0

Tract: EX10

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
12	1A	Atlee
2	2A	Augusta
20	8A	Dogue
11	9B	Emporia
37	10B	Kempsville
18	20D	Rumford Slagle

Field Warnings:**Crop Rotation:**

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

Field Name: 91

Total Acres: 37.30 Usable Acres: 37.30

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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
51	2A	Augusta
49	8A	Dogue

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

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

Field Name: 92

Total Acres: 8.80 Usable Acres: 8.80

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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
84	8A	Dogue
12	2A	Augusta
5	20D	Rumford Slagle

Field Warnings:**Crop Rotation:**

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

Field Name: 93

Total Acres: 38.80 Usable Acres: 38.80

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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	20D	Rumford Slagle
31	2A	Augusta
66	8A	Dogue

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

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

Field Name: 94

Total Acres: 35.50 Usable Acres: 35.50

FSA Number: 0

Tract: EX10

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
76	8A	Dogue
7	2A	Augusta
12	20D	Rumford Slagle
5	22A	State1

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

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

Field Name: 95

Total Acres: 13.80 Usable Acres: 13.80

FSA Number: 0

Tract: EX10

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
89	9B	Emporia
9	10B	Kempsville
2	20D	Rumford Slagle

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

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

Field Name: 96

Total Acres: 75.40 Usable Acres: 75.40

FSA Number: 0

Tract: EX10

Location: Essex

Slope Class: A 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	10B	Kempsville
2	13A	Munden
9	14A	Newflat
5	20D	Rumford Slagle
51	24A	Tetotum
2	24B	Tetotum
29	2A	Augusta

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

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

Field Name: 97

Total Acres: 197.40 Usable Acres: 197.40

FSA Number: 0

Tract: EX10

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
1	10B	Kempsville
2	19E	Emporia Rumford
11	20D	Rumford Slagle
6	24A	Tetotum
10	24B	Tetotum
69	25A	Tomotley

Field Warnings:**Crop Rotation:**

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

Field Name: 99

Total Acres: 9.50 Usable Acres: 9.50

FSA Number: 0

Tract: EX10

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
100	10B	Kempsville

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

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

Field Name: 100

Total Acres: 9.70 Usable Acres: 9.70

FSA Number: 0

Tract: EX10

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
80	2A	Augusta
20	20D	Rumford Slagle

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

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

Field Name: 101

Total Acres: 61.30 Usable Acres: 61.30

FSA Number: 0

Tract: EX10

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
2	7A	Chickahominy
8	20D	Rumford Slagle
67	24A	Tetotum
12	24B	Tetotum
11	25A	Tomotley

Field Warnings:**Crop Rotation:**

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

Field Name: 102

Total Acres: 55.90 Usable Acres: 55.90

FSA Number: 0

Tract: EX10

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
4	25A	Tomotley
15	24B	Tetotum
70	24A	Tetotum
11	20D	Rumford Slagle

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

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

Field Name: 102

Total Acres: 55.90 Usable Acres: 55.90

FSA Number: 0

Tract: EX10

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
4	25A	Tomotley
15	24B	Tetotum
70	24A	Tetotum
11	20D	Rumford Slagle

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

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

Farm Summary Report

Plan: **New Plan** **Spring, 2022 - Spring, 2032**

Farm Name: **EX10**
Location: **Essex**
Specialist: **Wayne T. Webb Jr.**
N-based Acres: **491.5**
P-based Acres: **0.0**

Tract Name: **EX10**
FSA Number: **0**
Location: **Essex**

Field Name: **75**
Total Acres: **46.80** **Usable Acres:** **46.80**
FSA Number: **0**
Tract: **EX10**
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
19	10A	Kempsville
24	10B	Kempsville
9	20D	Rumford Slagle
48	23B	Suffolk

Field Warnings:

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 76
Total Acres: 126.10 **Usable Acres:** 126.10
FSA Number: 0
Tract: EX10
Location: Essex
Slope Class: C **Hydrologic Group:** B

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	9A	Emporia
4	9B	Emporia
5	10A	Kempsville
23	19E	Emporia Rumford
26	23A	Suffolk
41	23B	Suffolk

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with percent slope in excess of 15%

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 85
Total Acres: 41.70 **Usable Acres:** 41.70
FSA Number: 0
Tract: EX10
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
23	10C	Kempsville
27	19E	Emporia Rumford
10	20D	Rumford Slagle
40	23B	Suffolk

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with percent slope in excess of 15%

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 86
Total Acres: 47.00 **Usable Acres:** 47.00
FSA Number: 0
Tract: EX10
Location: Essex
Slope Class: E **Hydrologic Group:** C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
2	3A	Bibb
69	19E	Emporia Rumford
17	20D	Rumford Slagle
12	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
---------	-------	-----------

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 87
Total Acres: 45.70 **Usable Acres:** 45.70
FSA Number: 0
Tract: EX10
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
32	9A	Emporia
9	10A	Kempsville
4	10C	Kempsville
2	19E	Emporia Rumford
6	20D	Rumford Slagle
48	23B	Suffolk

Field Warnings:

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 88
Total Acres: 54.50 **Usable Acres:** 54.50
FSA Number: 0
Tract: EX10
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
6	9A	Emporia
17	20D	Rumford Slagle
13	23A	Suffolk
65	23B	Suffolk

Field Warnings:

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 89
Total Acres: 12.70 **Usable Acres:** 12.70
FSA Number: 0
Tract: EX10
Location: Essex
Slope Class: D **Hydrologic Group:** C

Riparian buffer width: 0 ft
Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
56	19E	Emporia Rumford
44	23B	Suffolk

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with percent slope in excess of 15%

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 90
Total Acres: 6.50 **Usable Acres:** 6.50
FSA Number: 0
Tract: EX10
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
4	20D	Rumford Slagle
1	23A	Suffolk
95	23B	Suffolk

Field Warnings:

Crop Rotation:

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

EX10 James H. Hundley Jr.

Synagro Central, LLC

Field Name: 91
Total Acres: 110.50 **Usable Acres:** 110.50
FSA Number: 0
Tract: EX10
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
19	9B	Emporia
9	9C	Emporia
36	19E	Emporia Rumford
4	20D	Rumford Slagle
14	23A	Suffolk
16	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
---------	-------	-----------

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
10-17	High Water Table (Map Unit 7A - 100%)
10-18	High Water Table (Map Unit 7A - 83%) High Leaching Potential (Map Unit 19E - 2%)
10-19	High Water Table (Map Unit 7A,25A - 100%)
10-20	High Water Table (Map Unit 7A,25A - 30%) High Leaching Potential (Map Unit 19E - 13%)
10-21	High Water Table (Map Unit 7A - 100%)
10-22	High Water Table (Map Unit 7A - 84%)
10-26	High Leaching Potential (Map Unit 19E,20D - 8%) High Water Table (Map Unit 25A - 60.8%)
10-27	None
10-28	High Water Table (Map Unit 25A - 11%)
10-29	High Water Table (Map Unit 14A, 25A - 21%)
10-30	High Water Table (Map Unit 25A - 17%)
10-31	High Leaching Potential (Map Unit 19E,20D - 10%)
10-32	High Water Table (Map Unit 3A - 4%) Flooded Soils (Map Unit 3A - 4%) High Leaching Potential (Map Unit 20D - 35%)
10-33	High Leaching Potential (Map Unit 19E,20D - 9%)
10-34	High Leaching Potential (Map Unit 19E,20D - 2%)
10-35	High Leaching Potential (Map Unit 19E - 5.8%)
10-36	High Water Table (Map Unit 2A, 25A - 100%)
10-75	None
10-76	High Leaching Potential (Map Unit 19E - 34%)

10-85	High Water Table (Map Unit 3A - 1%) Flooded Soils (Map Unit 3A - 1%) High Leaching Potential (Map Unit 19E - 49%) Poor Drainage (Map Unit 3A-1%)
10-86	High Leaching Potential (Map Unit 19E - 12%)
10-87	High Leaching Potential (Map Unit 19E - 3%)
10-88	High Leaching Potential (Map Unit 19E - 35%)
10-89	None
10-90	None
10-91	High Leaching Potential (Map Unit 19E, 20D - 40%) Poor Drainage (Map Unit 3A-2 %) High Water Table (Map Unit 3A - 2%)
10-92	High Water Table (Map Unit 2A - 11%) High Leaching Potential (Map Unit 20D - 5%)
10-93	High Water Table (Map Unit 2A - 31%) High Leaching Potential (Map Unit 20D - 3%)
10-94	High Water Table (Map Unit 2A - 6%) High Leaching Potential (Map Unit 20D - 12%)
10-95	High Leaching Potential (Map Unit 20D - 2%)
10-96	High Water Table (Map Unit 2A,14A - 5%) High Leaching Potential (Map Unit 19E,20D - 6%)
10-97	High Water Table (Map Unit 14A, 25A - 70%) High Leaching Potential (Map Unit 20D - 10%)
10-99	None
10-100	High Water Table (Map Unit 2A - 80%) High Leaching Potential (Map Unit 20D - 20%)
10-101	High Water Table (Map Unit 7A - 2%) High Leaching Potential (Map Unit 20D,25A - 19%)
10-102	High Leaching Potential (Map Unit 3A, 20D,25A - 15%)

- 10-103 High Water Table (Map Unit 2A - 2%)
High Leaching Potential (Map Unit 20D - 18%)
- 10-104 High Water Table (Map Unit 2A - 50%)

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

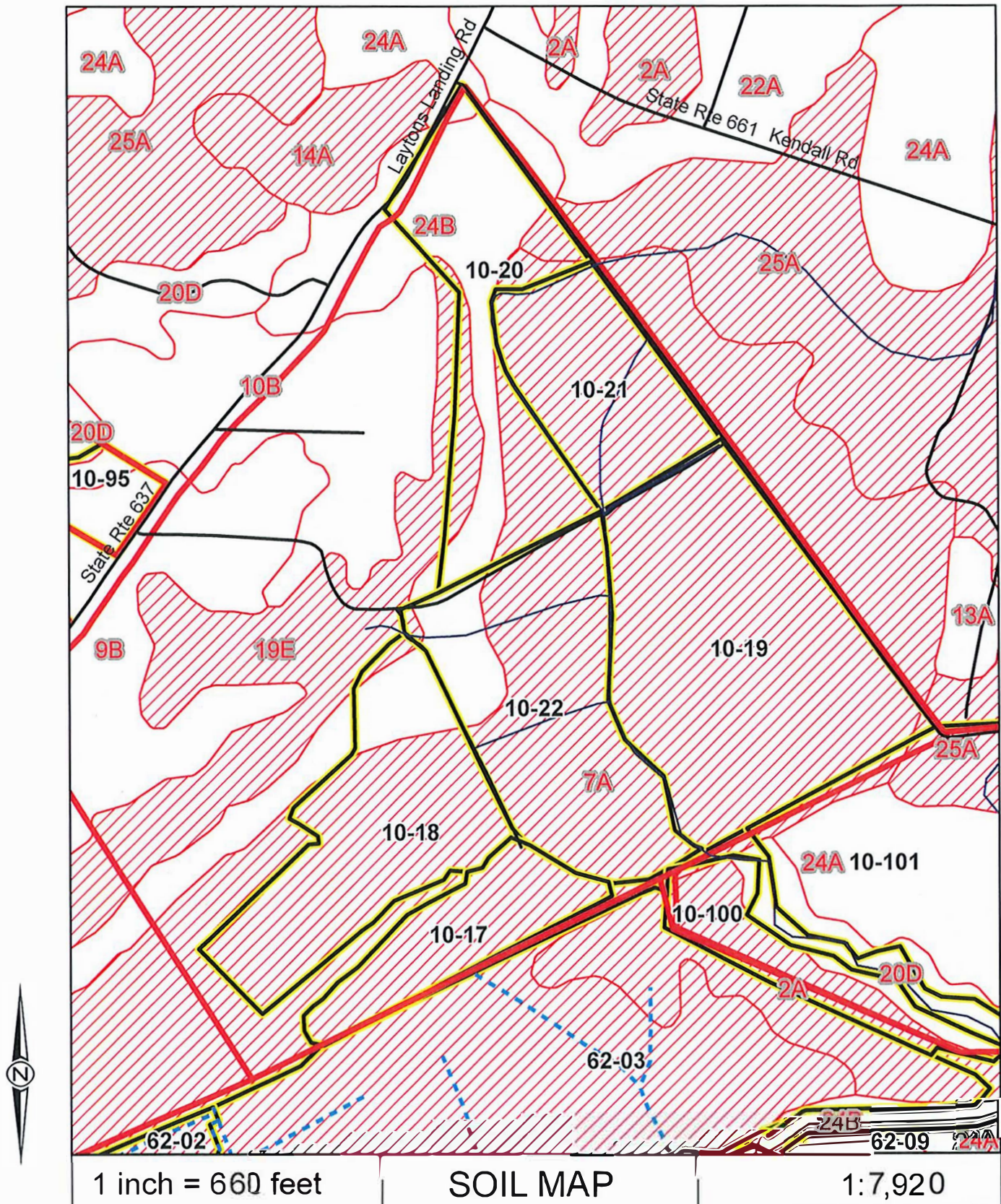


Field Boundary



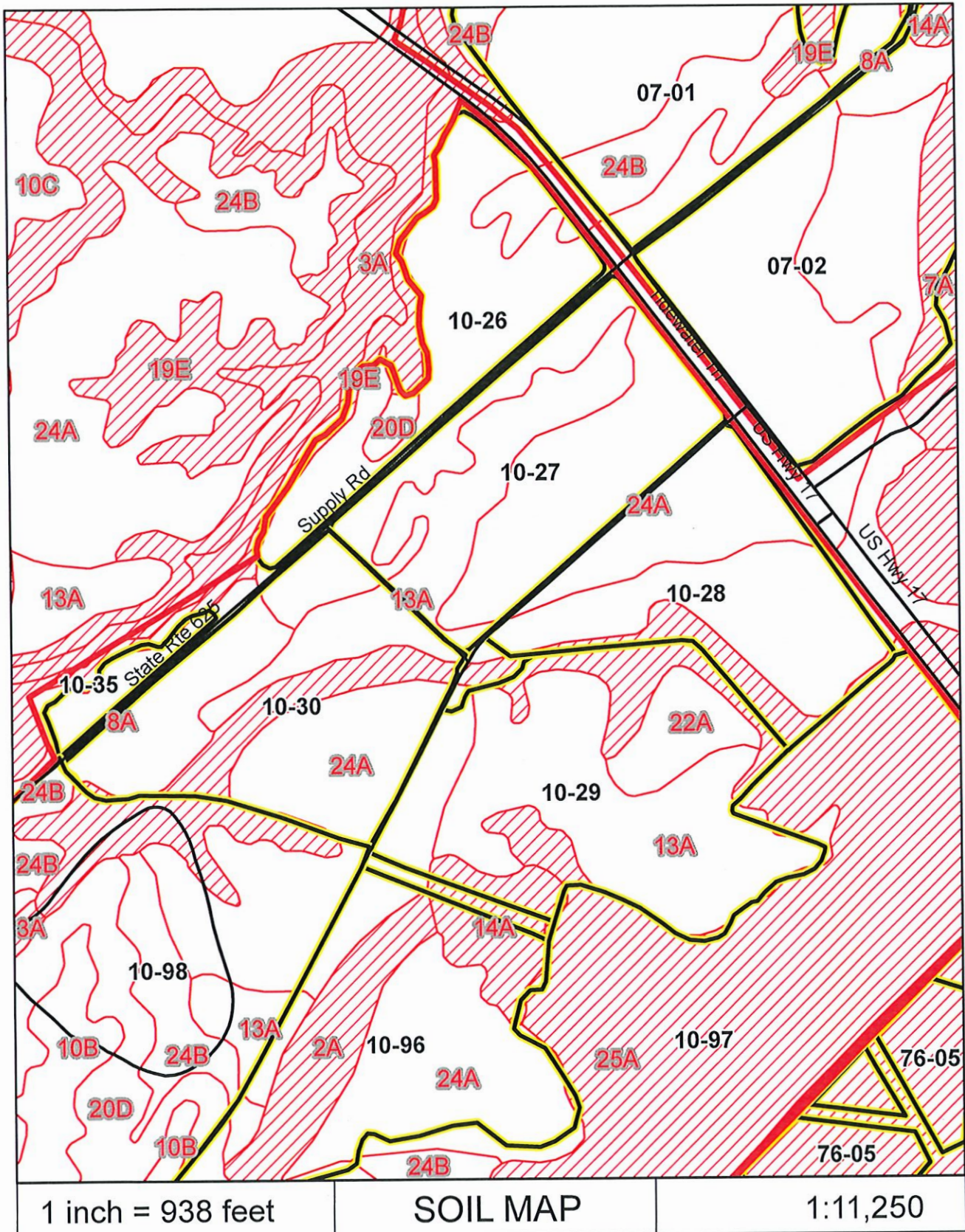
Property Line

- 100' buffer unless waiver issued



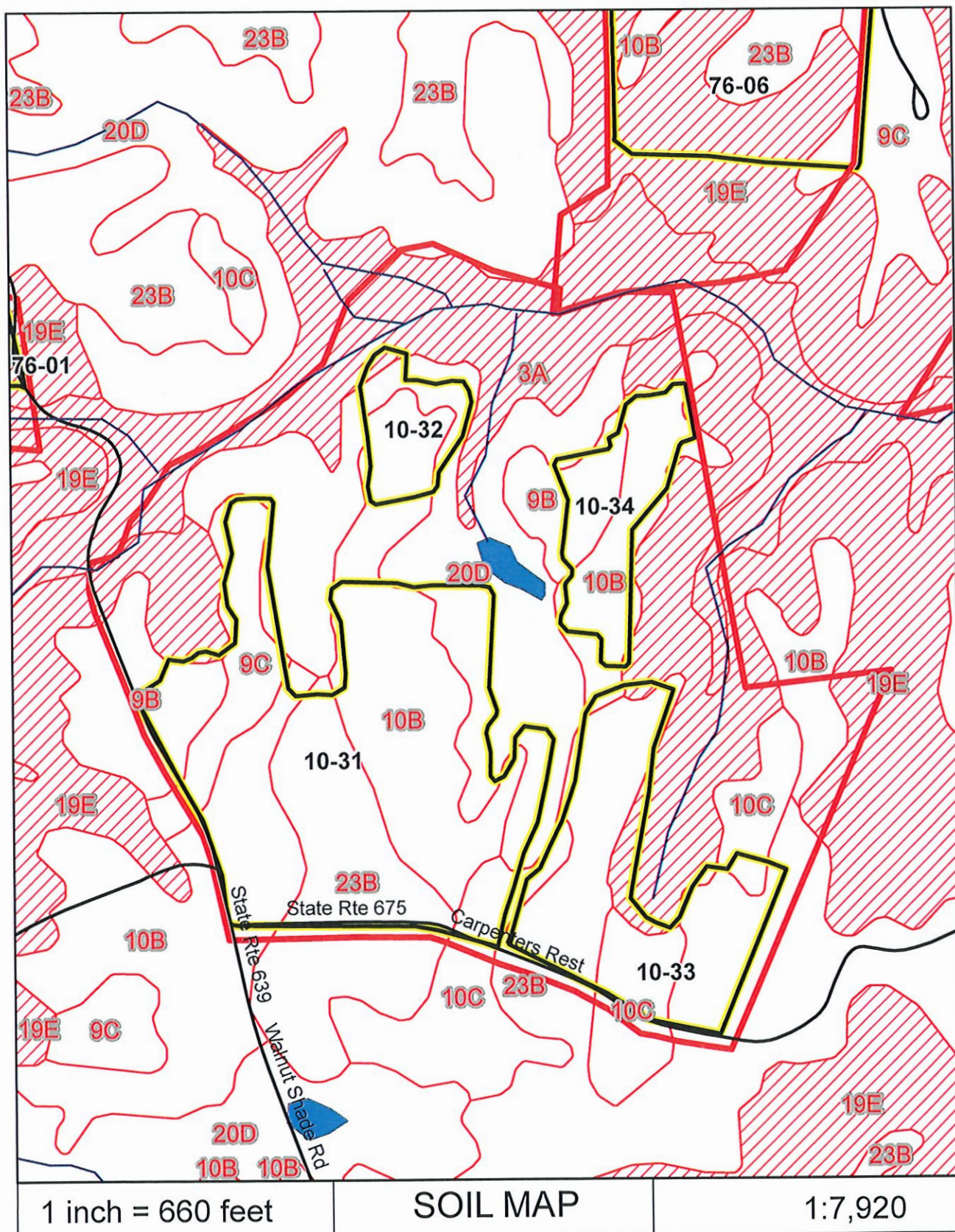
 Environmentally Sensitive Soils

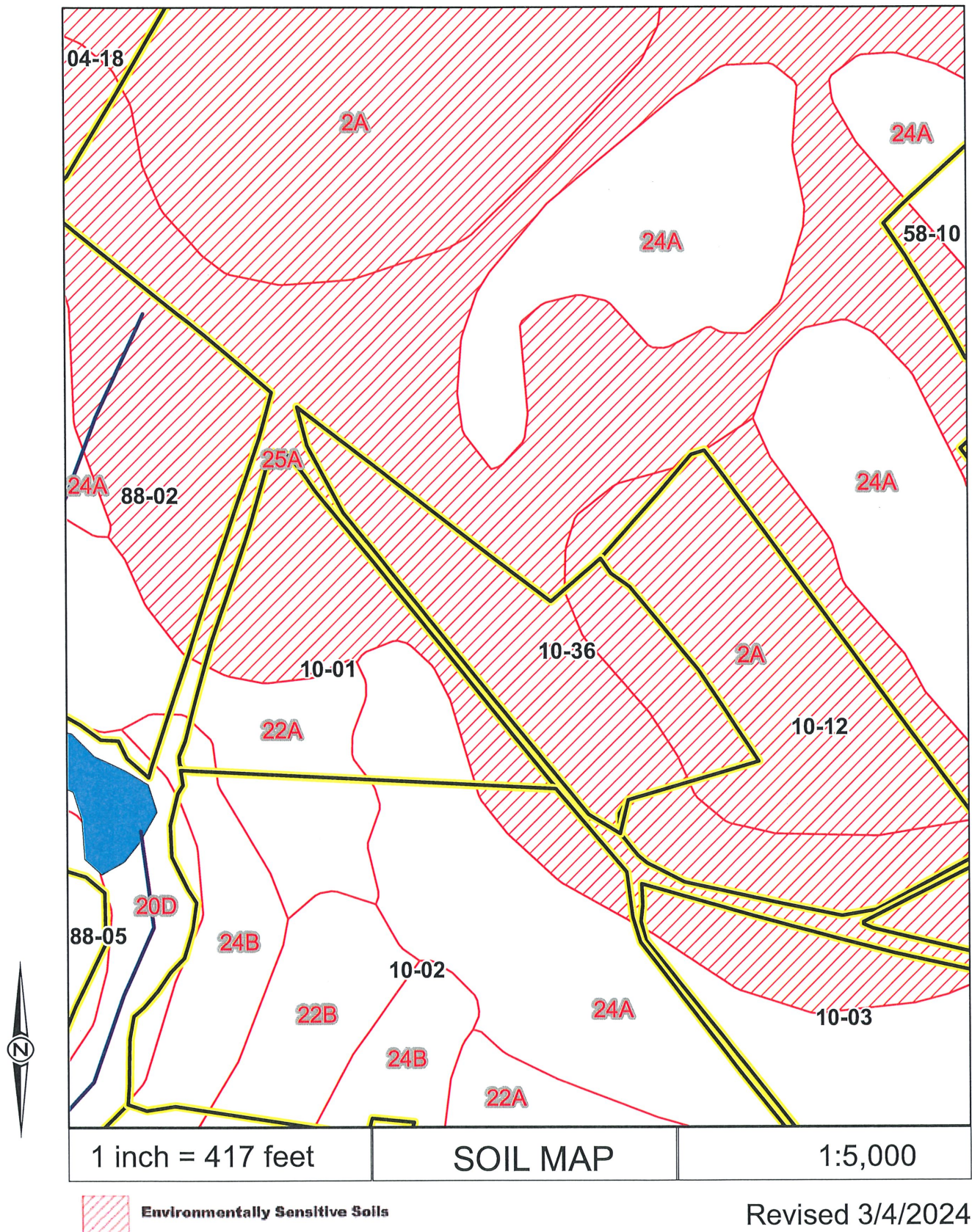
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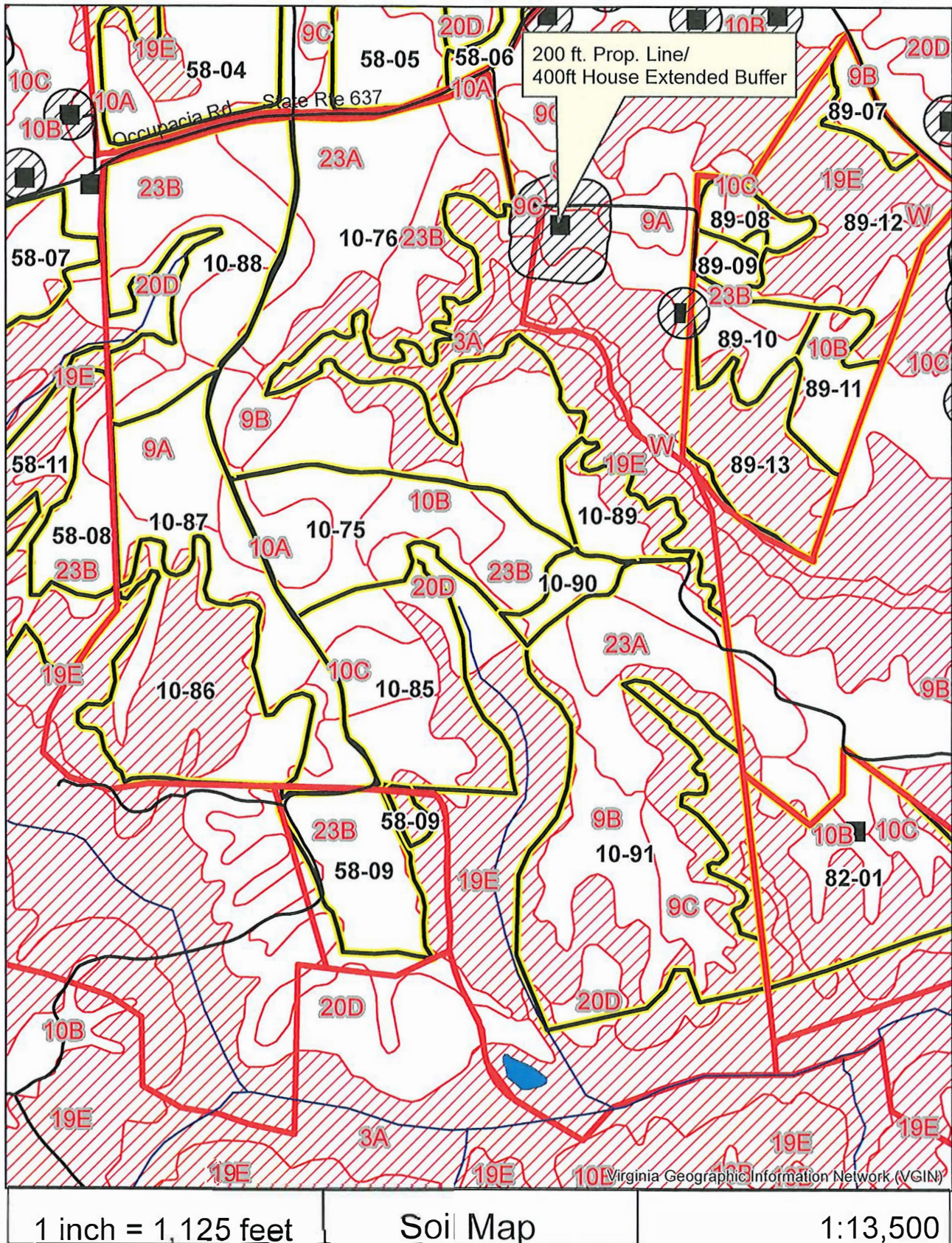


 Environmentally Sensitive Soils

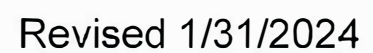
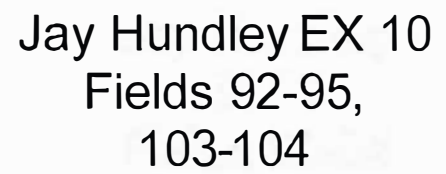
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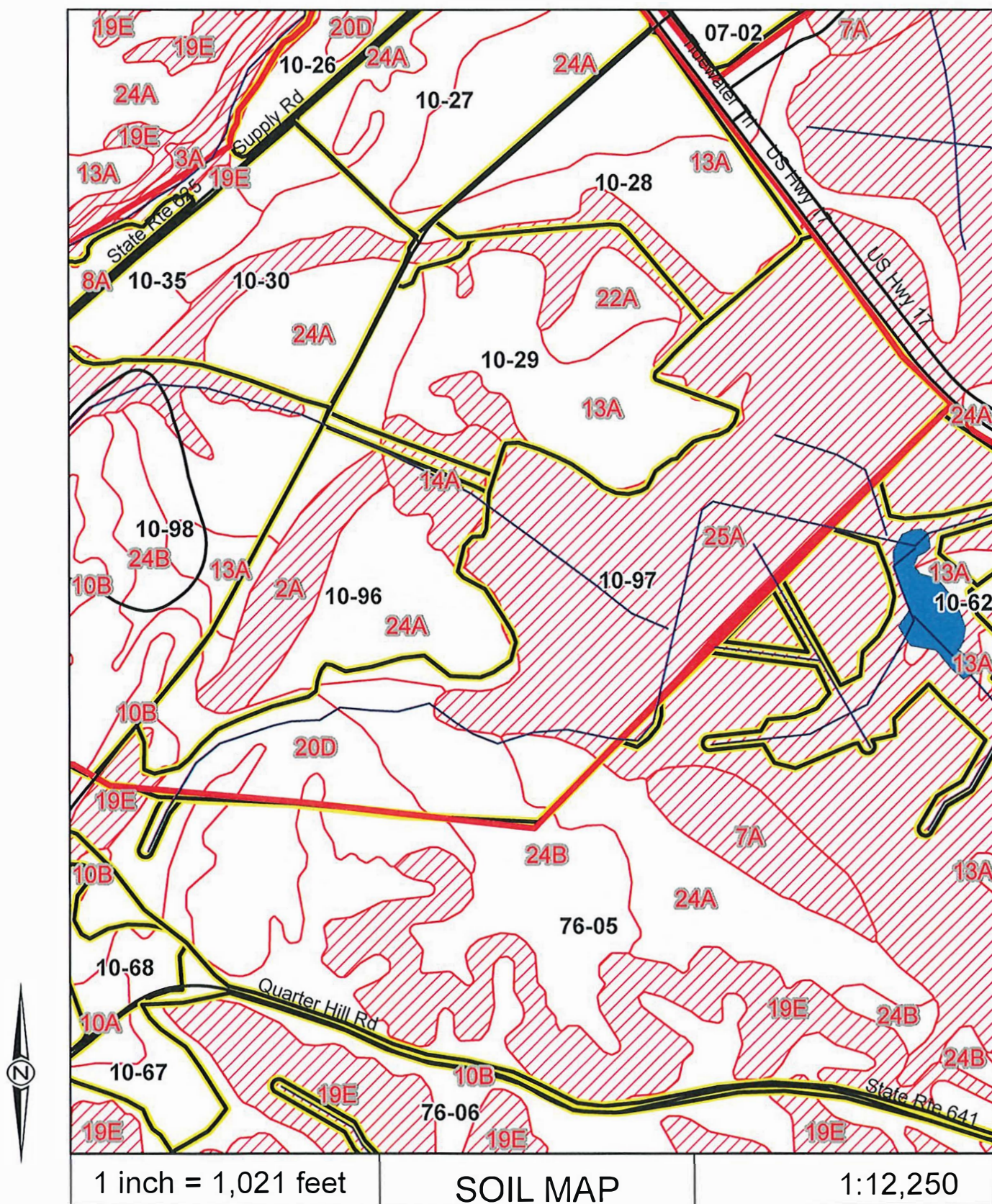






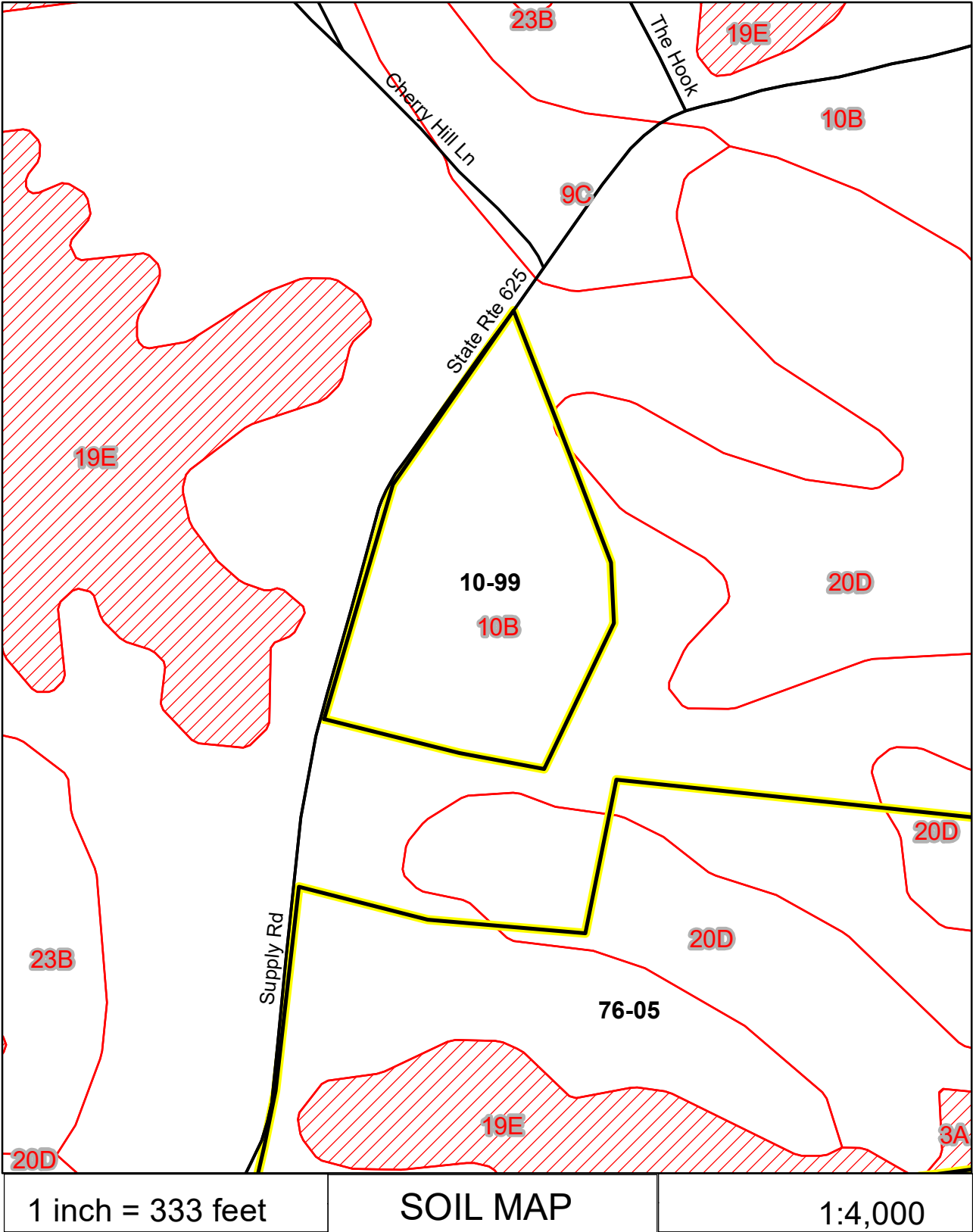
Revised 3-8-2022





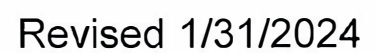
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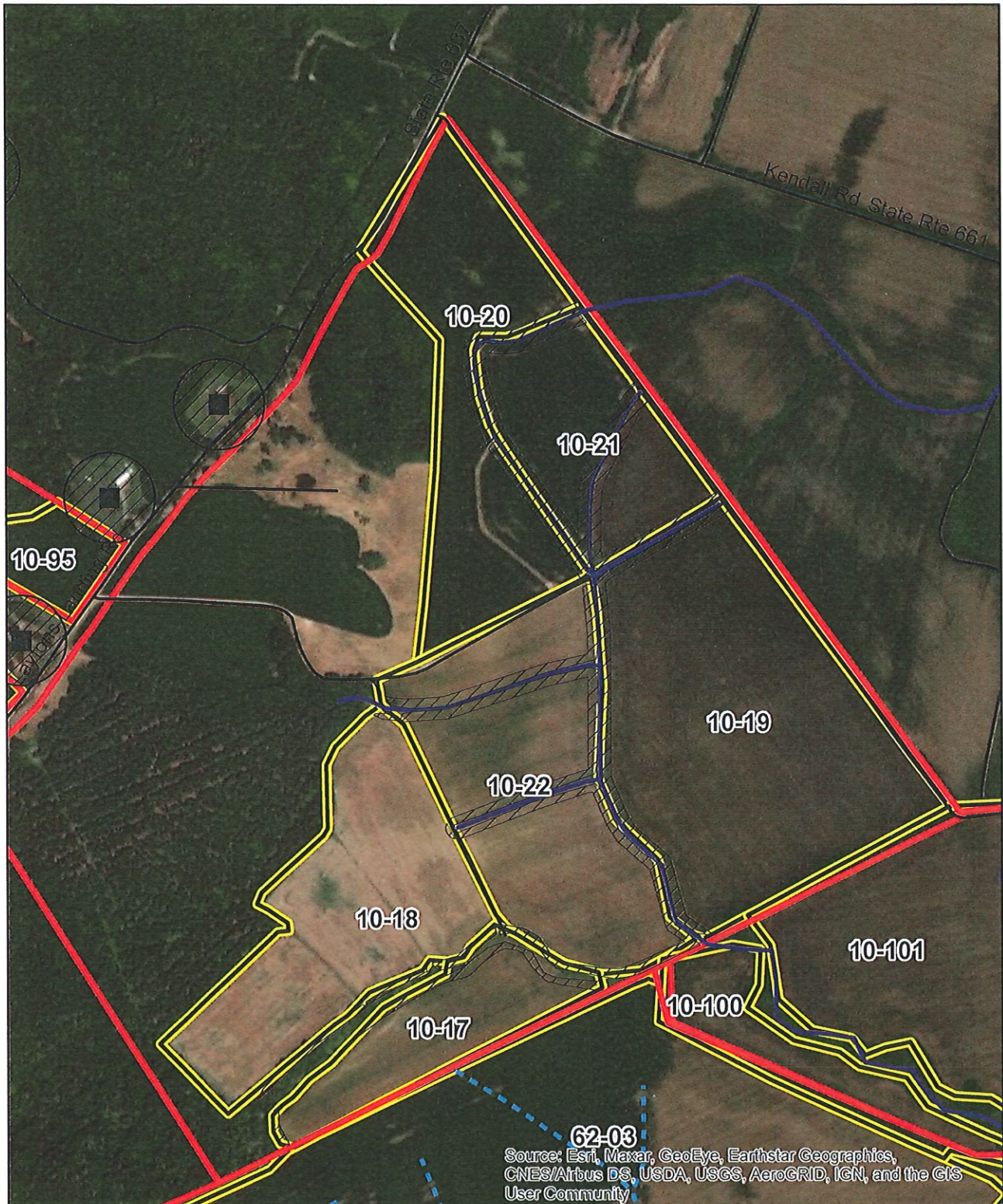
Revised 1/31/2024



 Environmentally Sensitive Soils

Revised 05/06/2025

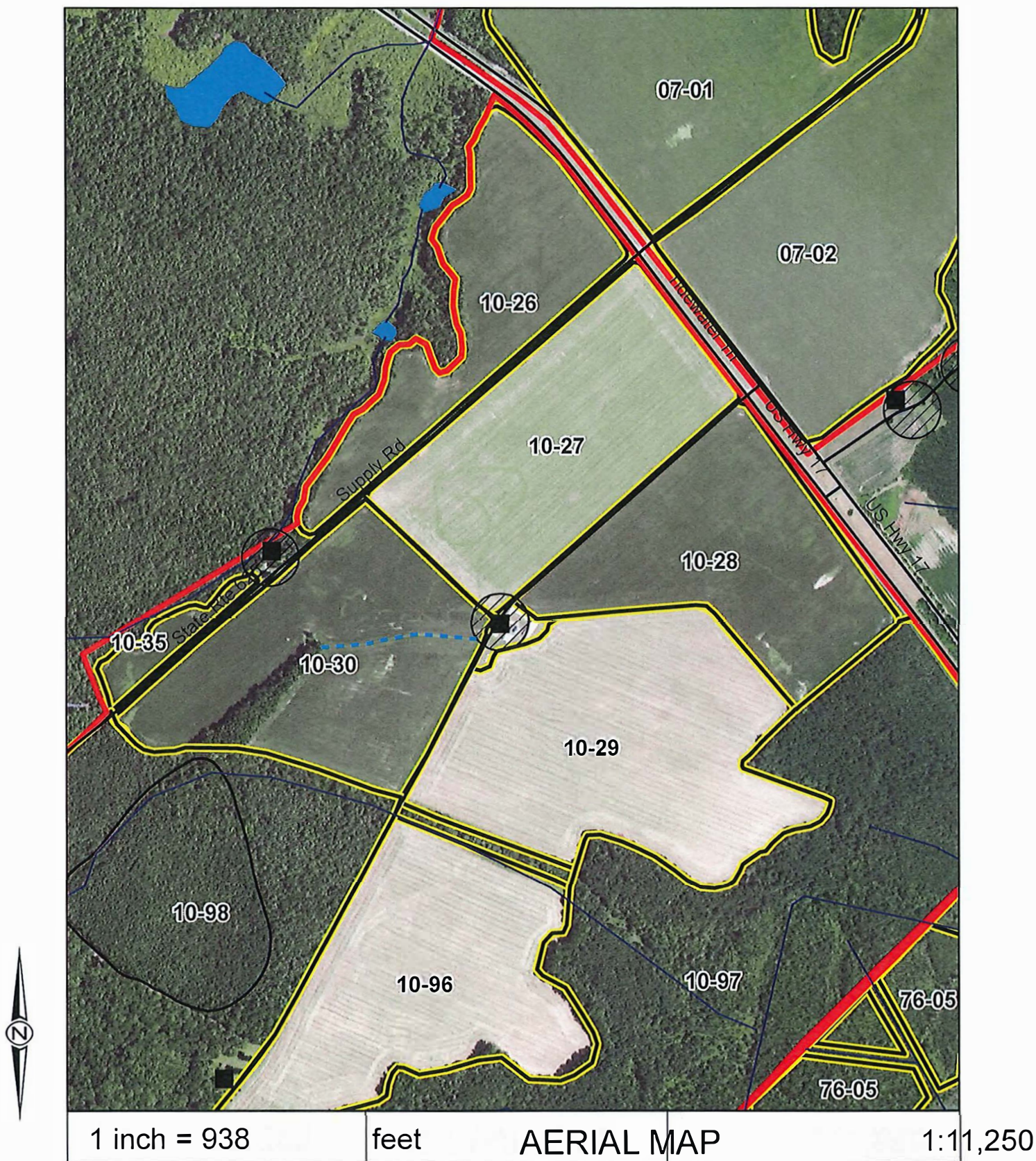


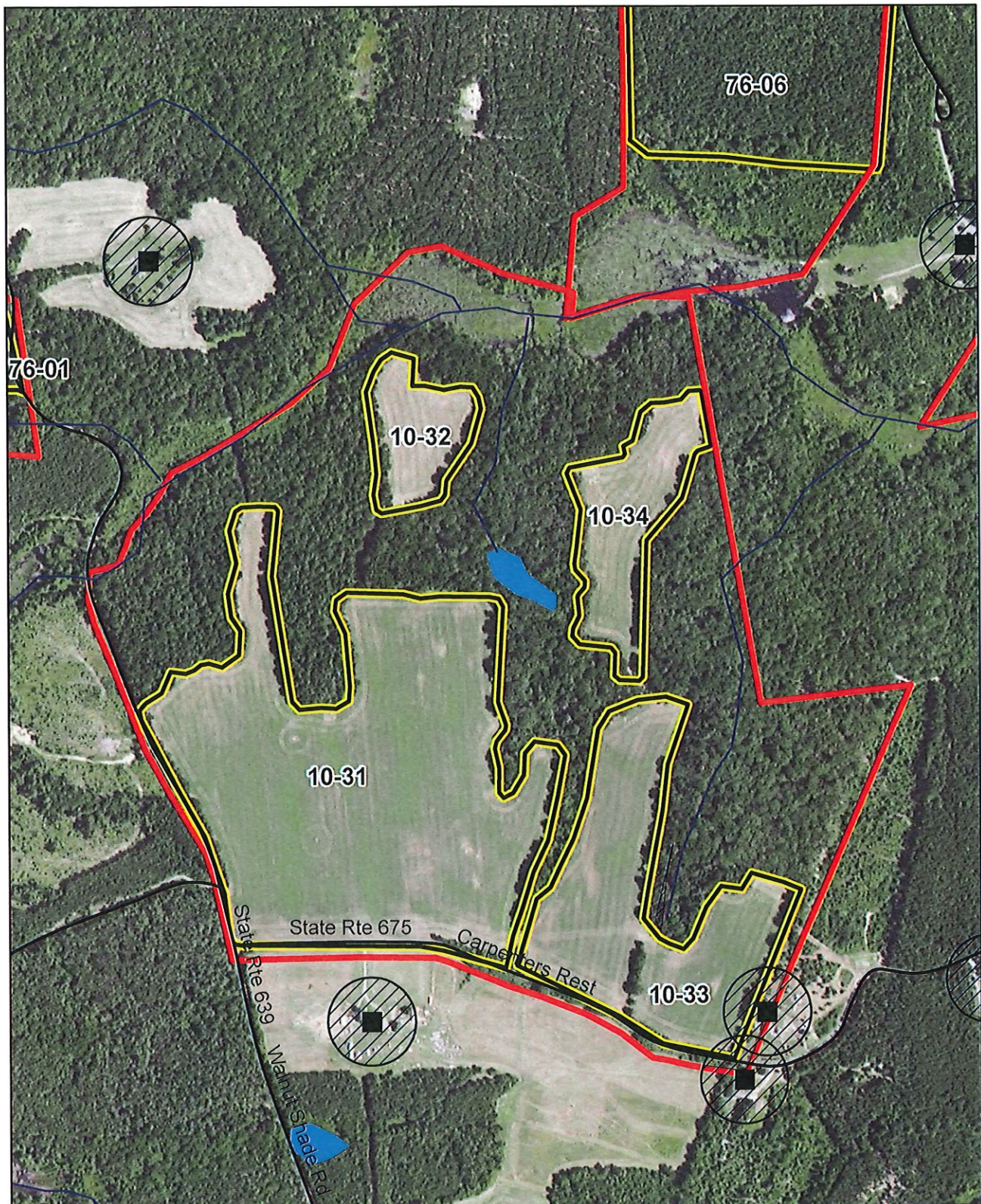


1 inch = 660 feet

AERIAL MAP

1:7,920



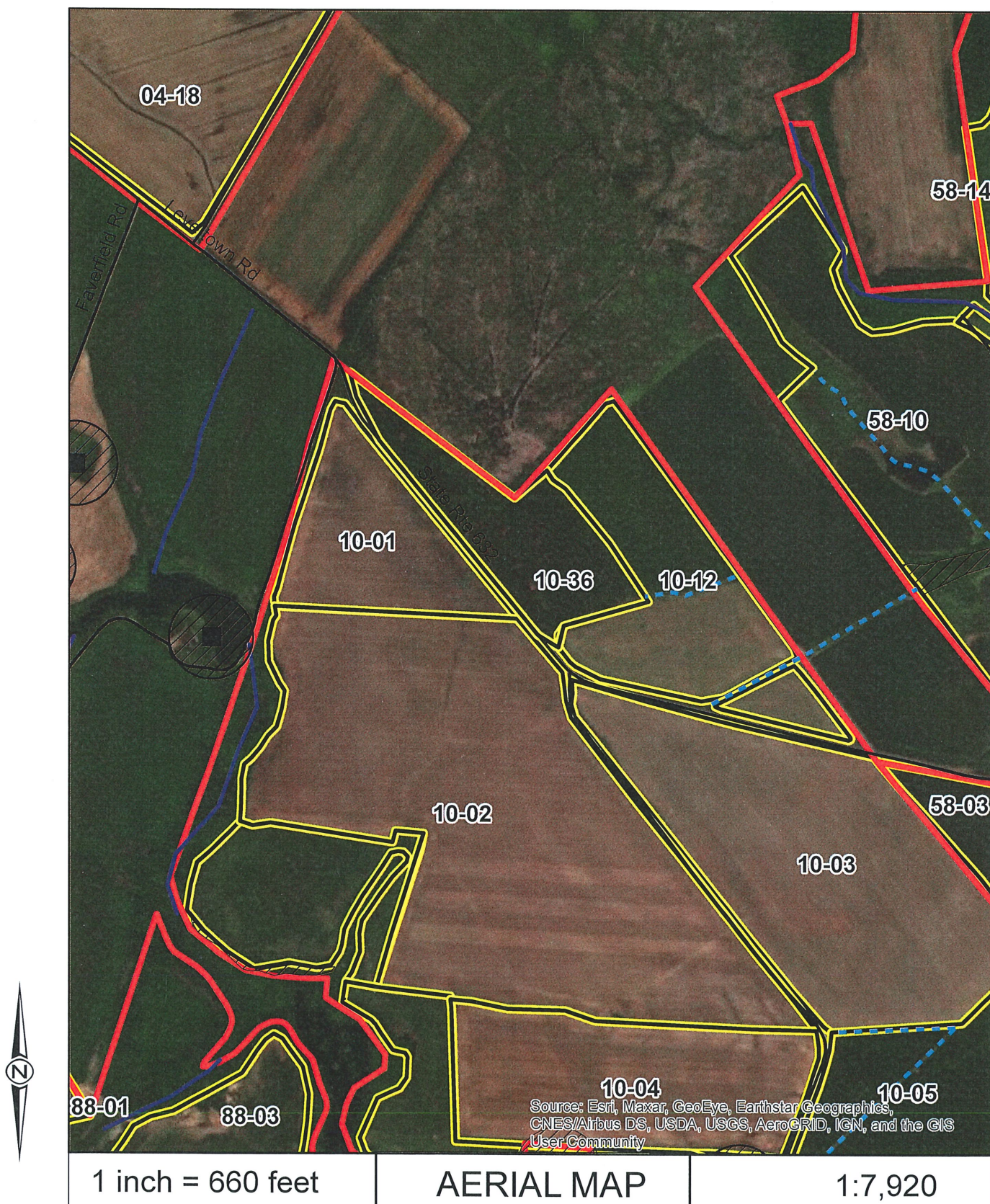


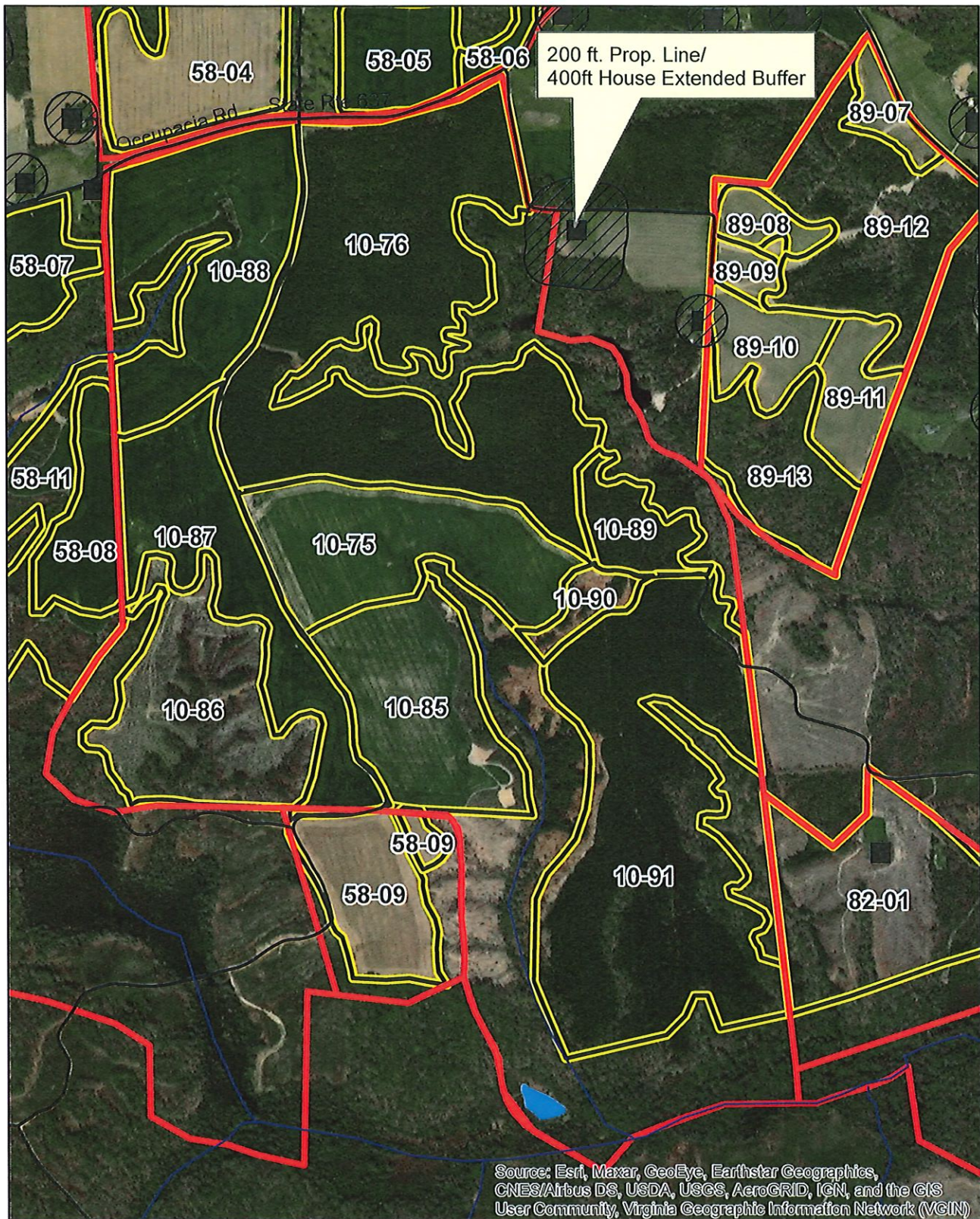
1 inch = 660 feet

AERIAL MAP

1:7,920

Revised 1/31/2024





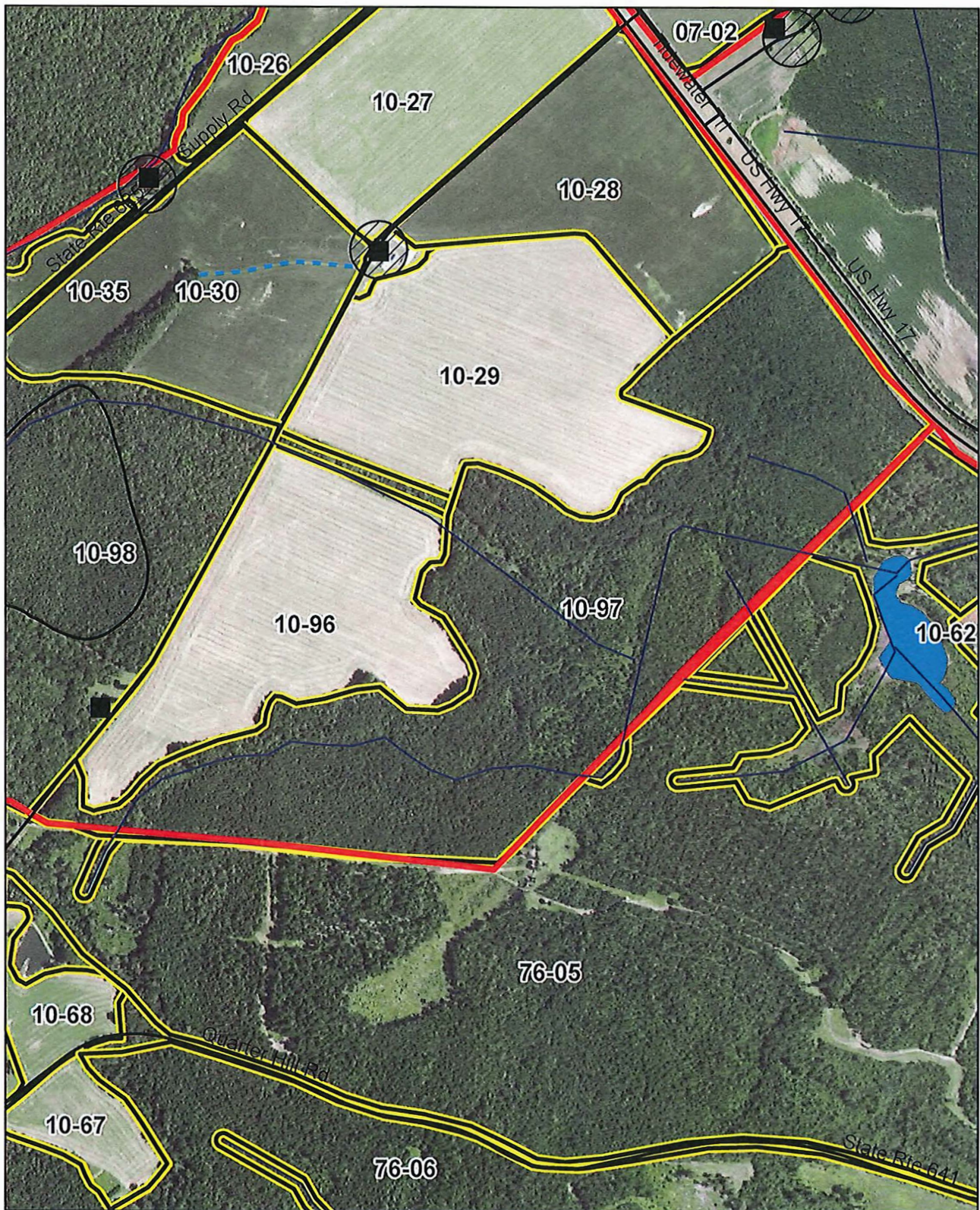
1 inch = 1,125 feet

Aerial Map

1:13,500

Revised 3-8-2022



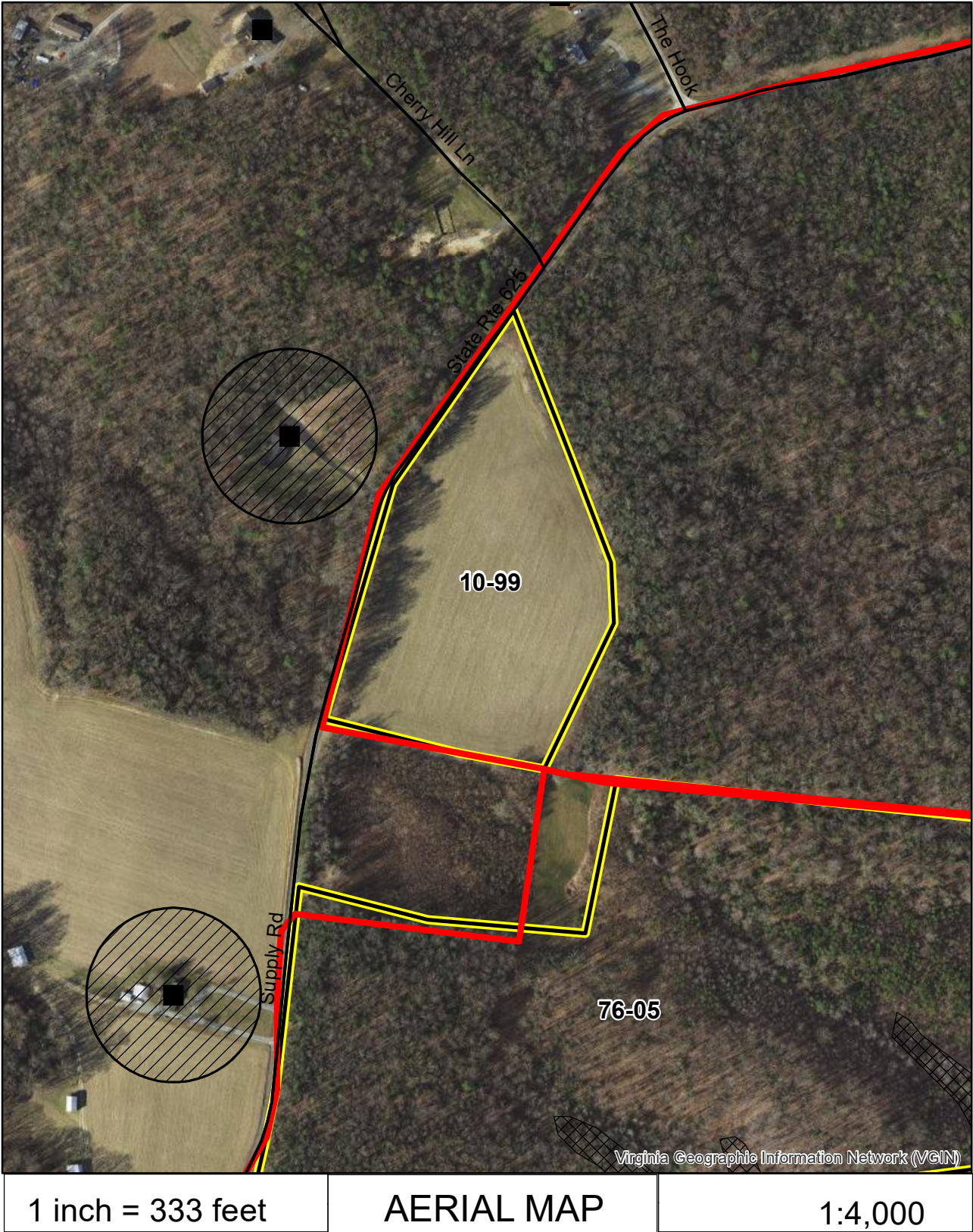


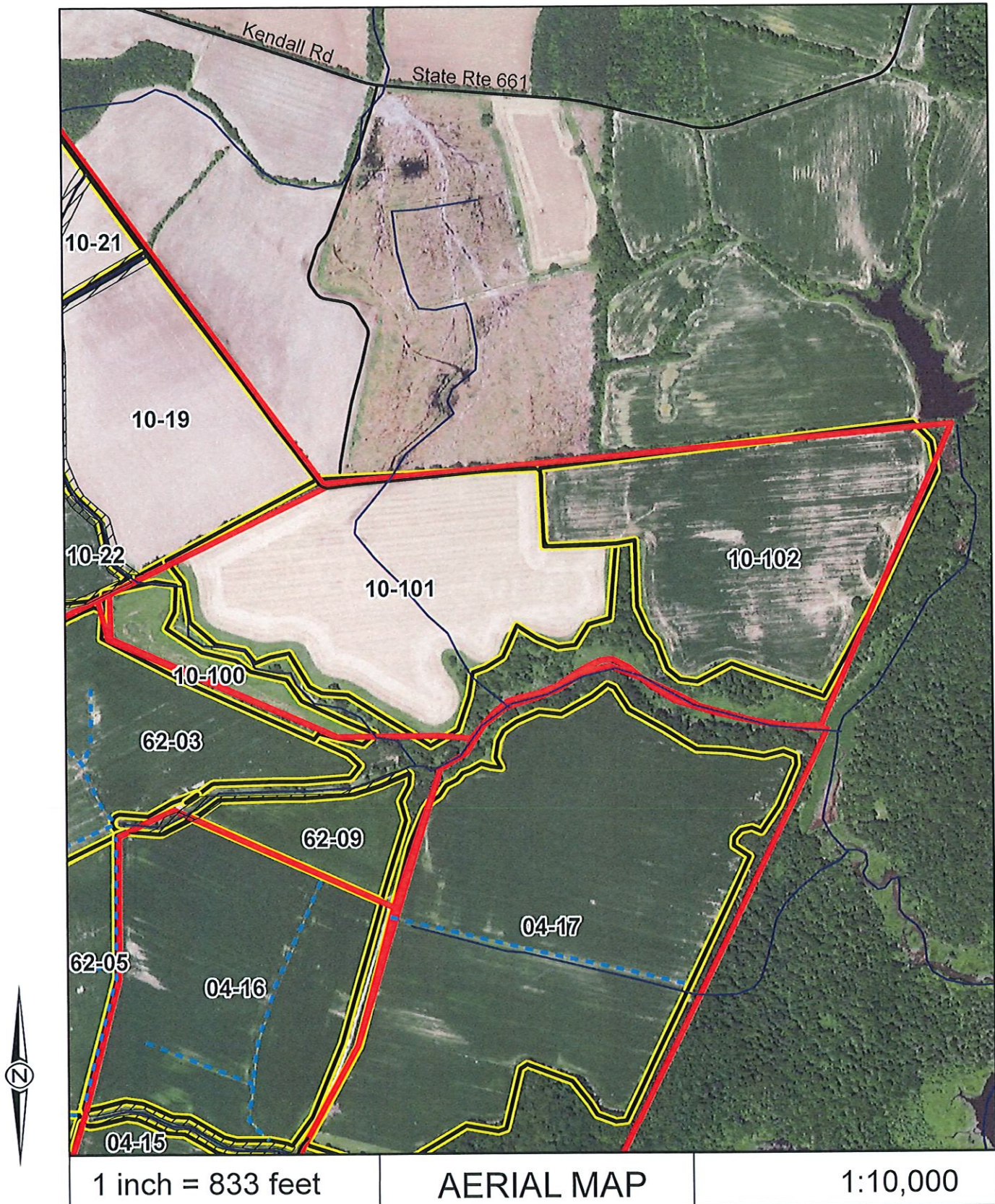
1 inch = 1,021 feet

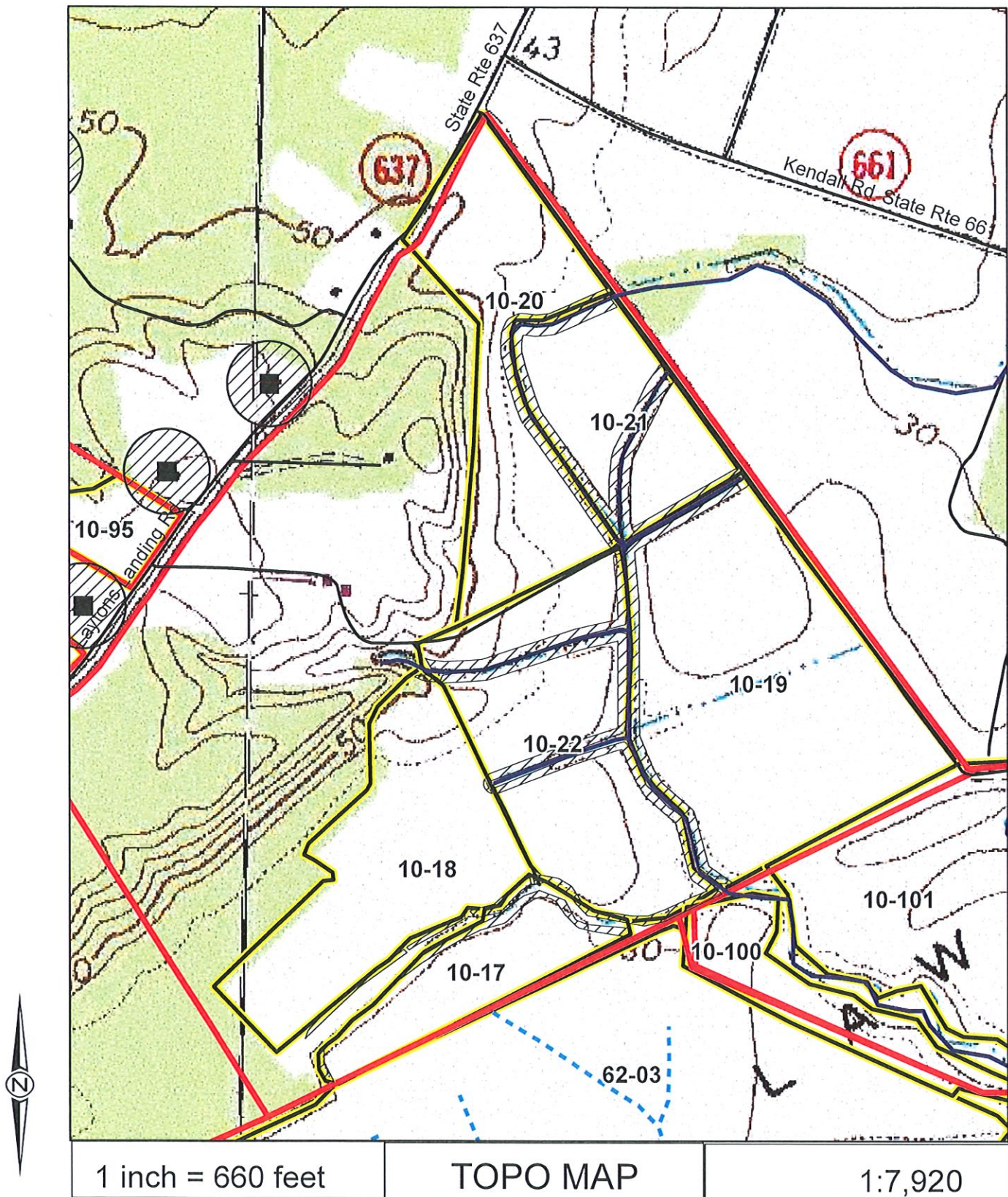
AERIAL MAP

1:12,250

Revised 1/31/2024

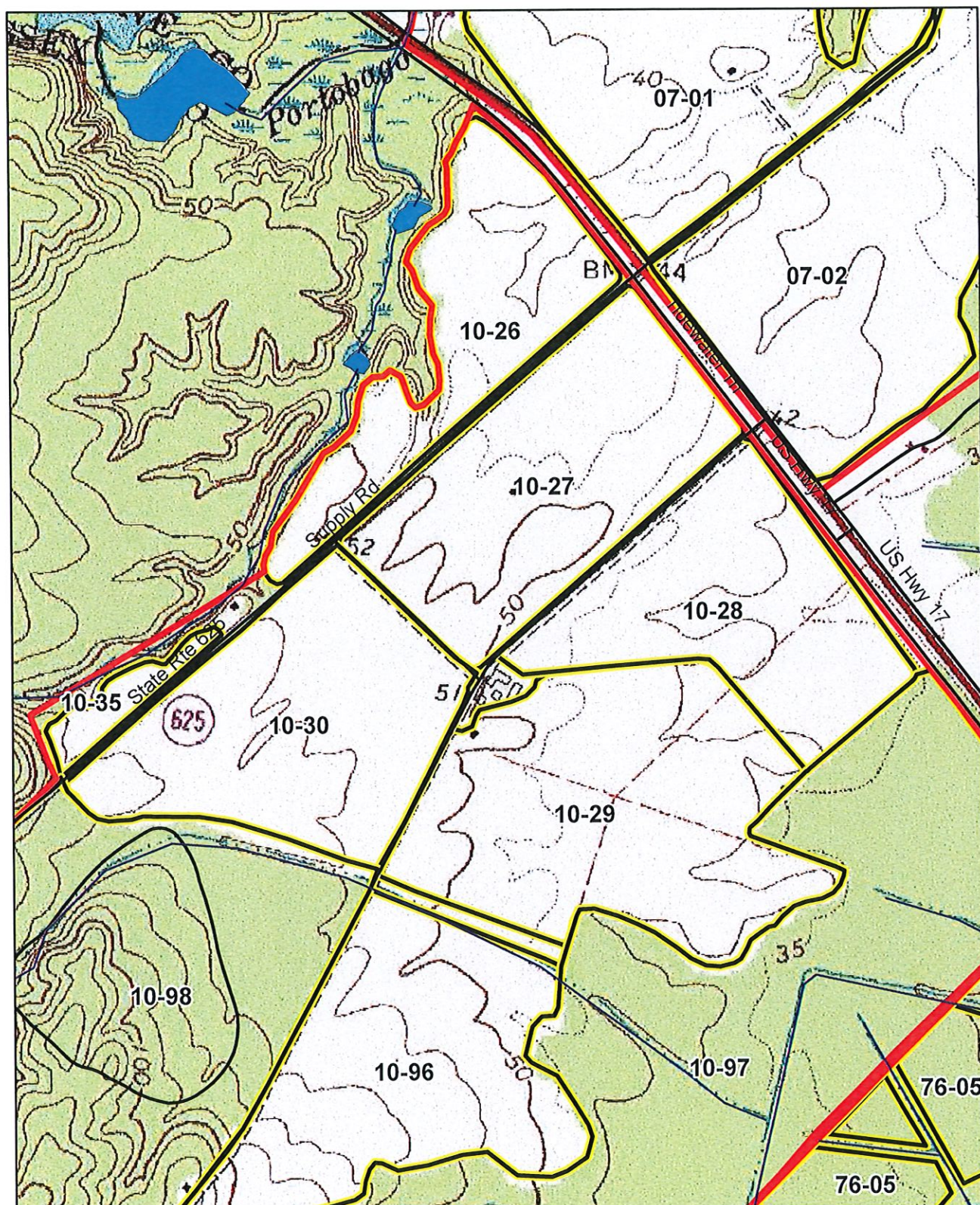






FIELD	ACRES	FIELD	ACRES
10-17	11.3	10-20	23.4
10-18	24.8	10-21	15.7
10-19	40.9	10-22	28.3

Revised 05/17/2024



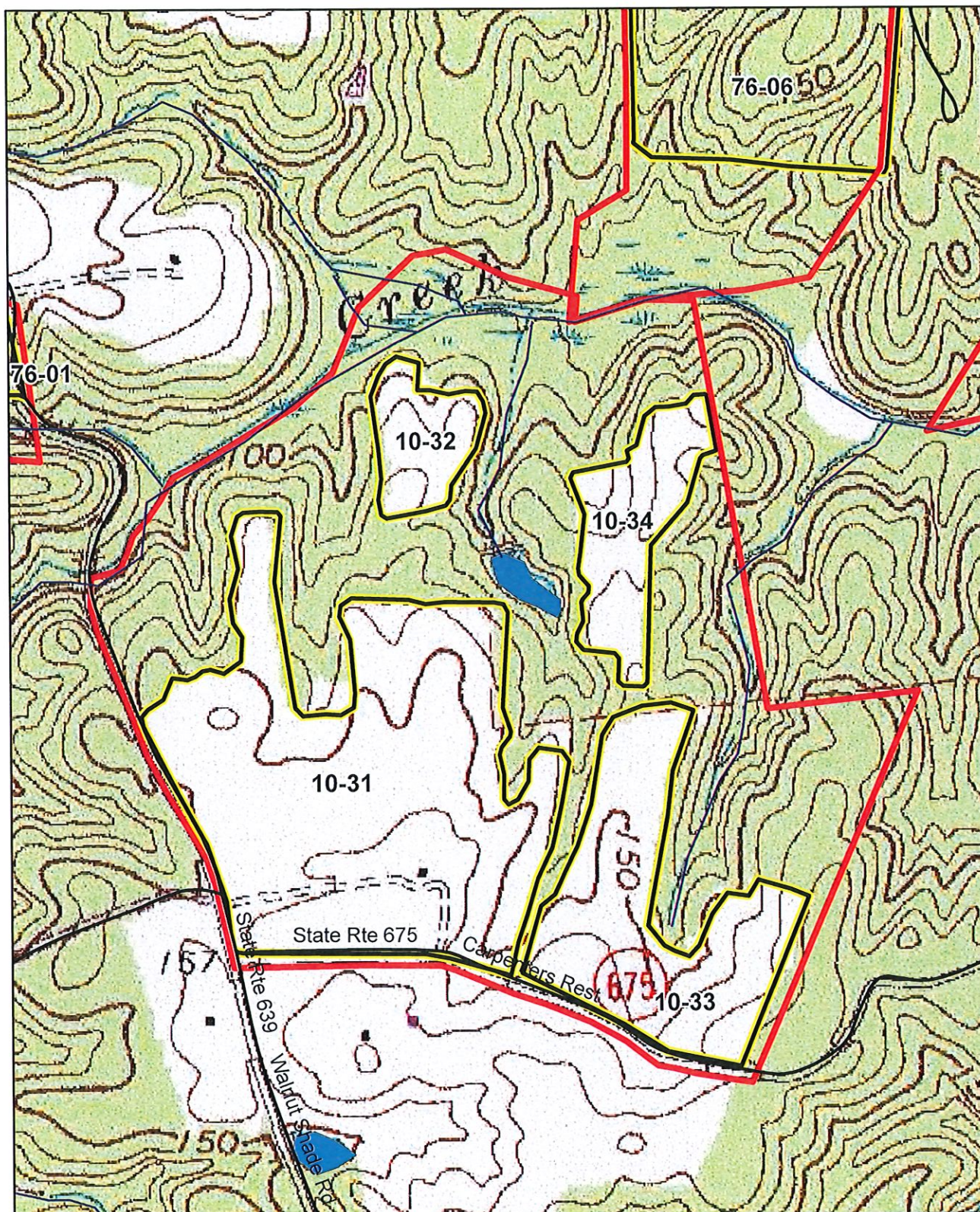
1 inch = 938 feet

TOPO MAP

1:11,250

FIELD	ACRES	FIELD	ACRES
10-26	47.3	10-29	86.1
10-27	68.2	10-30	63.4
10-28	58.4	10-35	6.2

Revised 1/31/2024



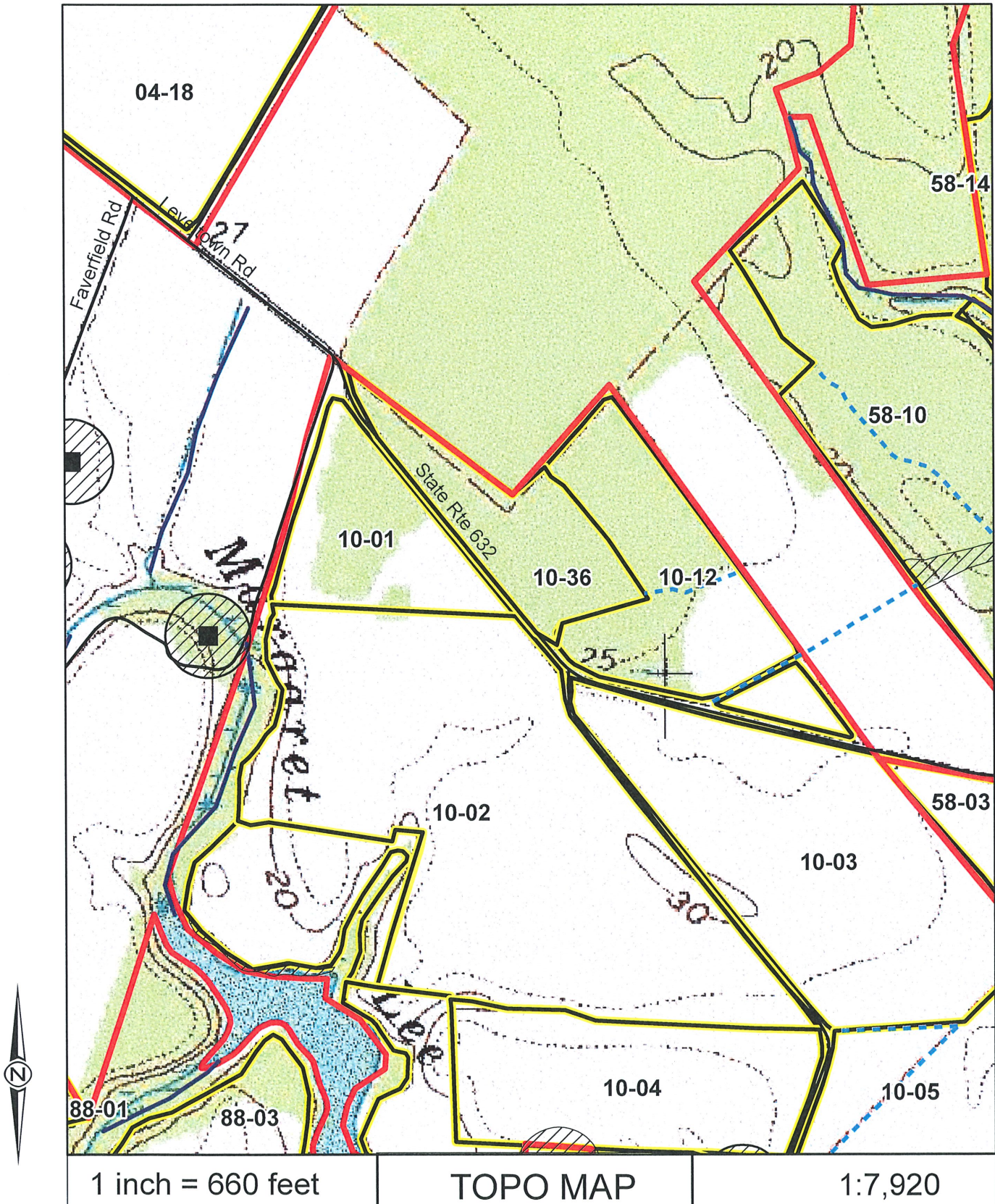
1 inch = 660 feet

TOPO MAP

1:7,920

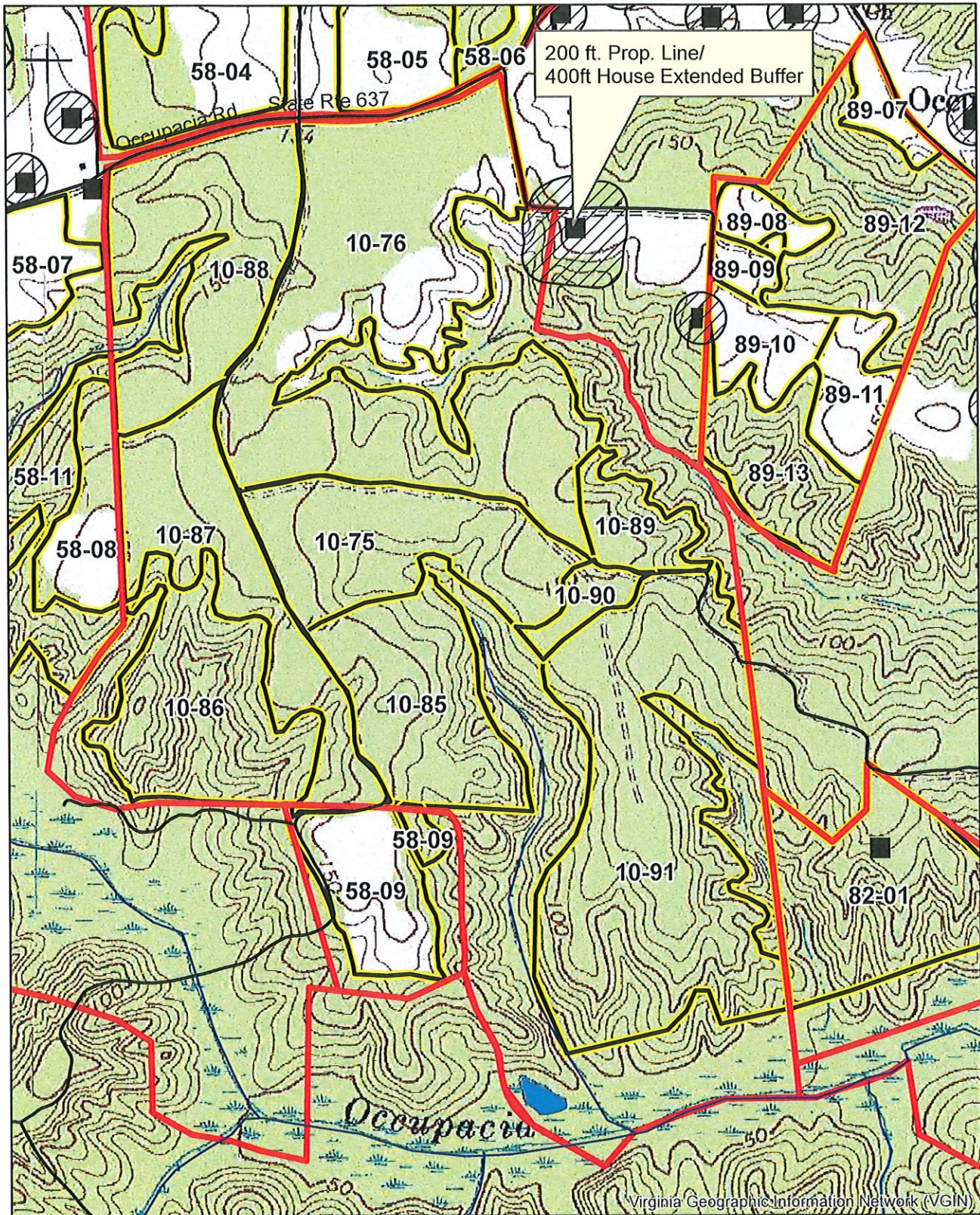
FIELD	ACRES	FIELD	ACRES
10-31	52.3	10-33	21.6
10-32	5.7	10-34	9.6

Revised 1/31/2024



FIELD	ACRES
10-36	8.4

Revised 04/03/2024



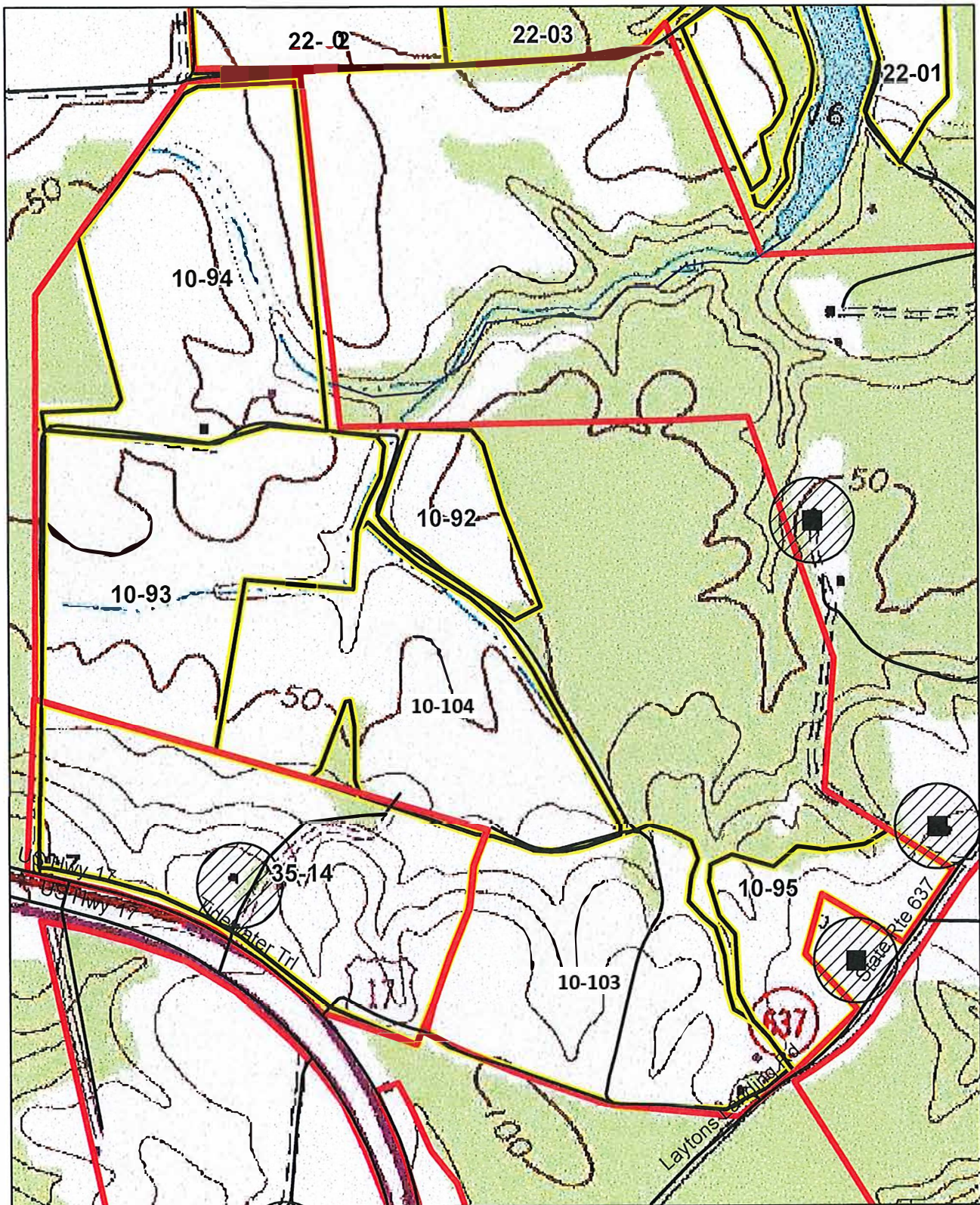
1 inch = 1,125 feet

Topo Map

1:13,500

FIELD	ACRES	FIELD	ACRES
10-75	46.8	10-88	54.5
10-76	126.1	10-89	12.7
10-85	41.7	10-90	6.5
10-86	47	10-91	110.5
10-87	45.7		

Revised 3-8-2022



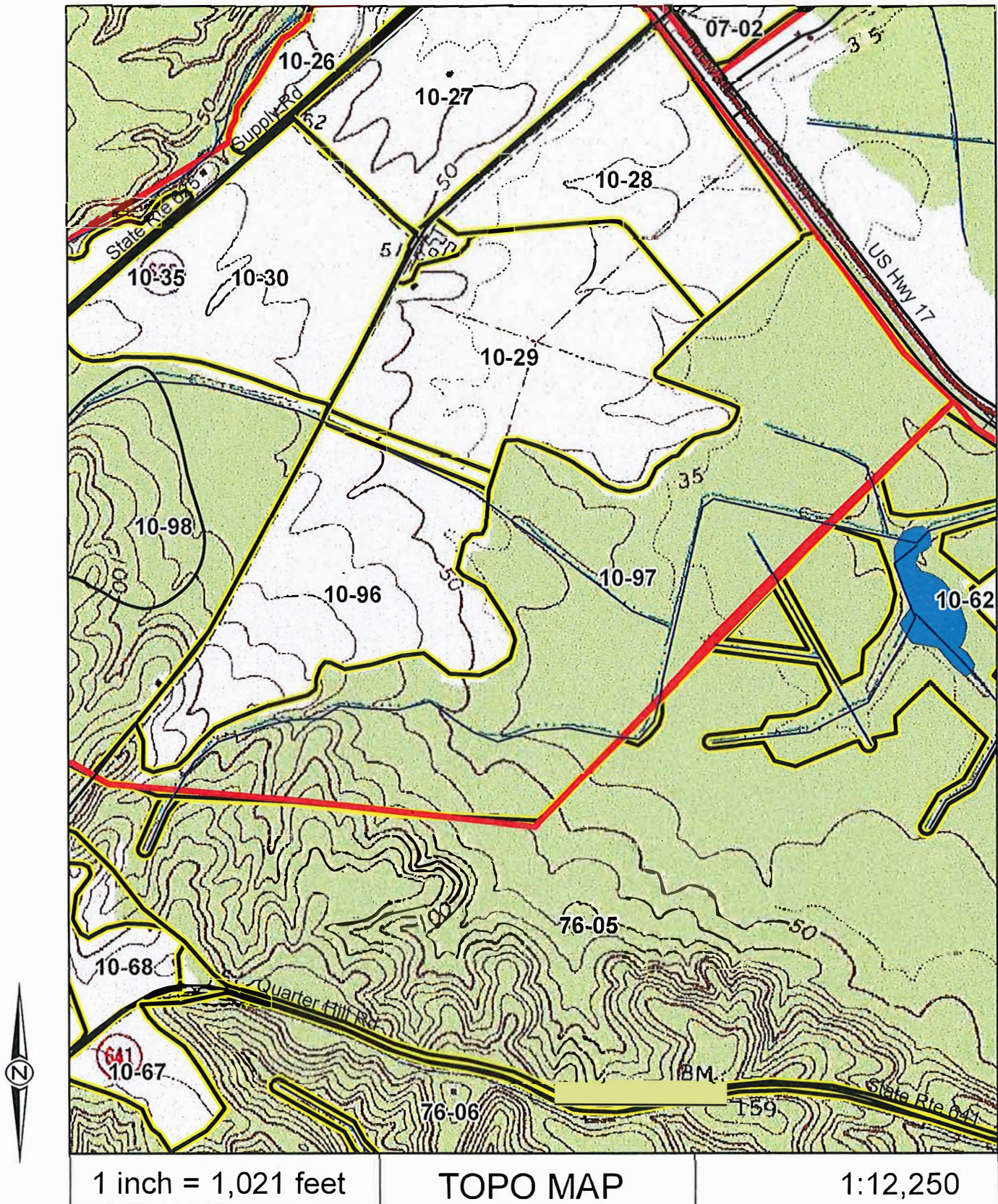
1 inch = 688 feet

TOPO MAP

1:8,250

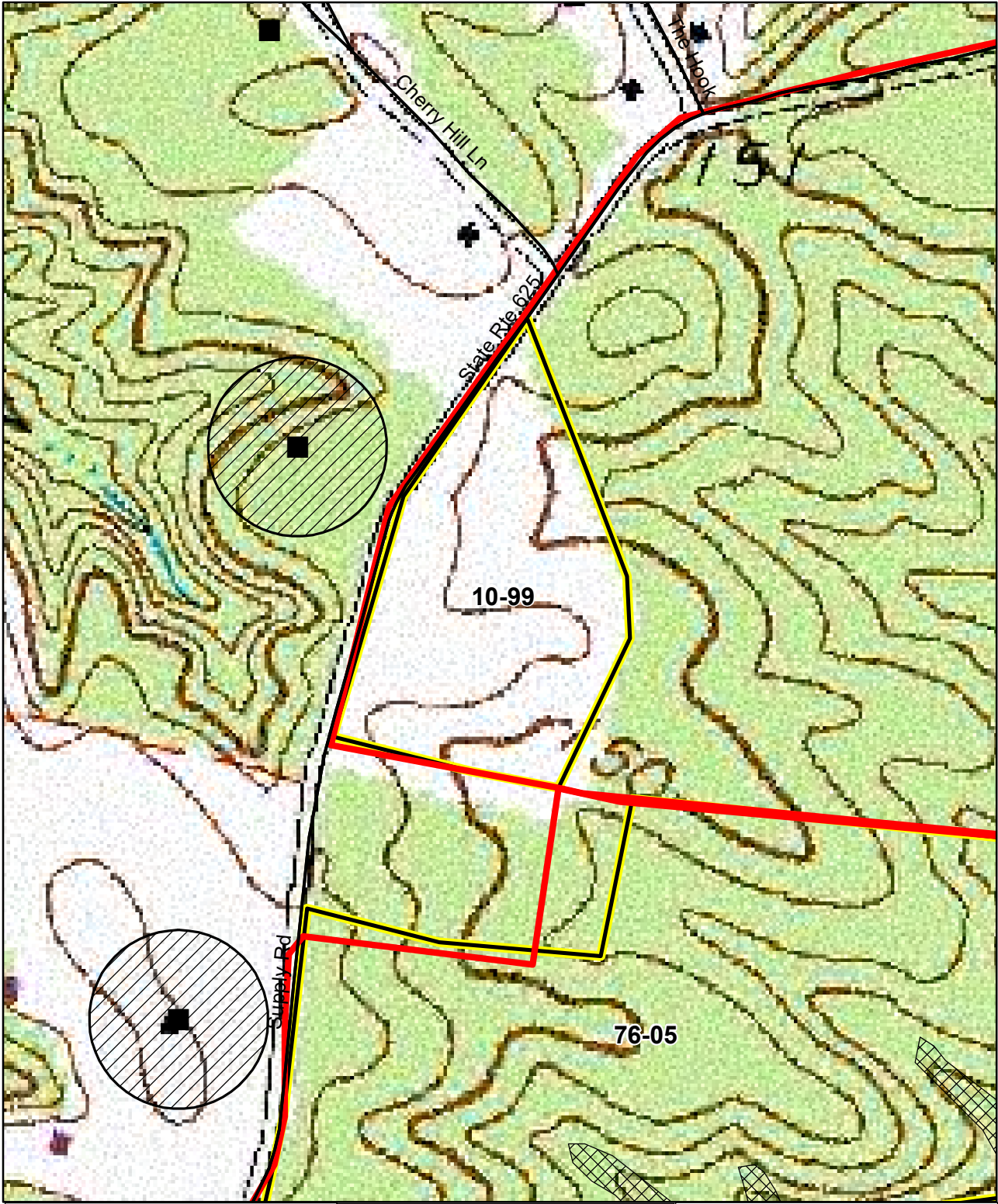
FIELD	ACRES	FIELD	ACRES
10-103	35.1	10-93	38.8
10-104	37.3	10-94	35.5
10-92	8.8	10-95	13.8

Revised 1/31/2024



FIELD	ACRES
10-96	75.4
10-97	197.5

Revised 3/8/2024



1 inch = 333 feet

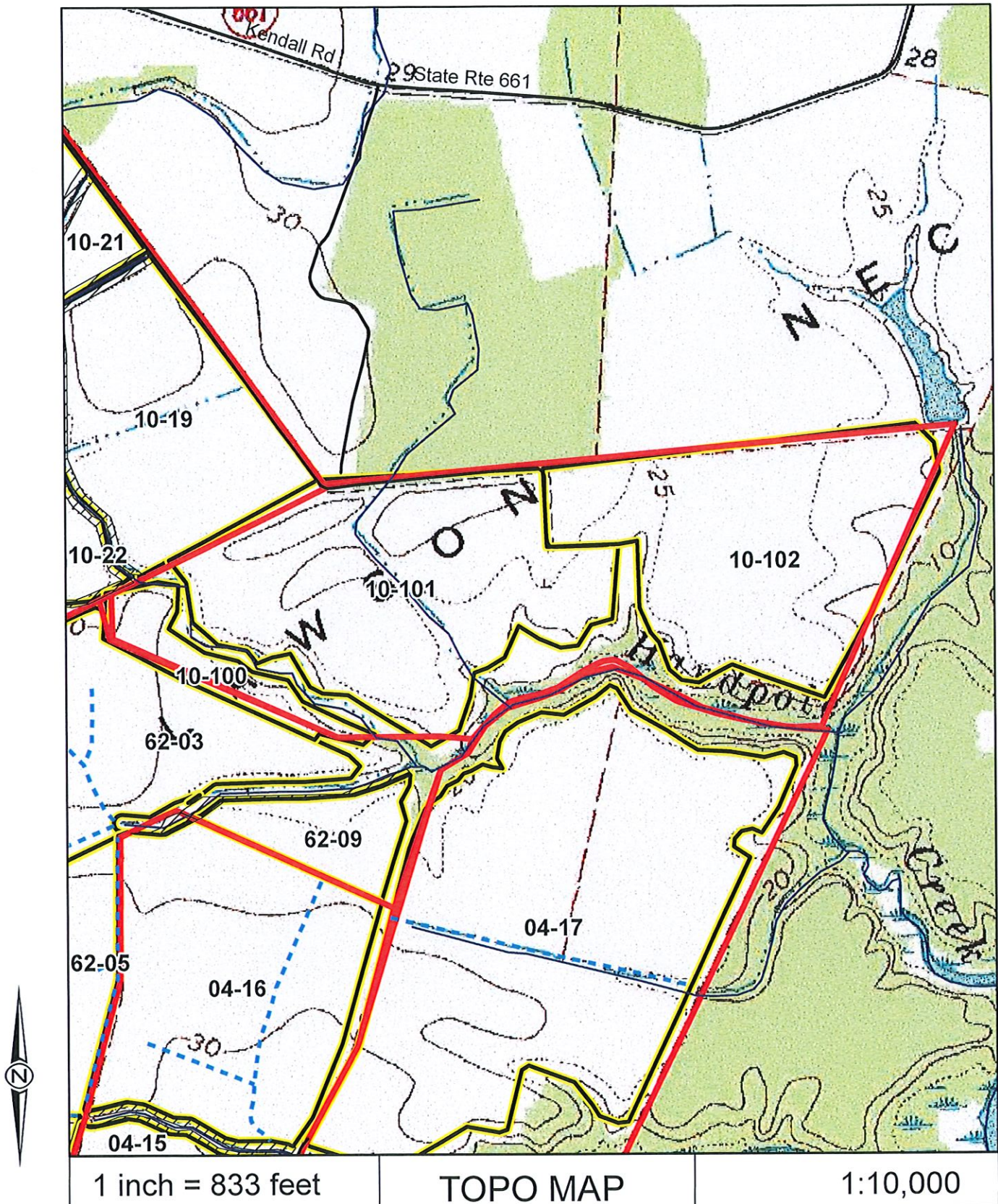
TOPO MAP

1:4,000



FIELD	ACRES
10-99	9.5

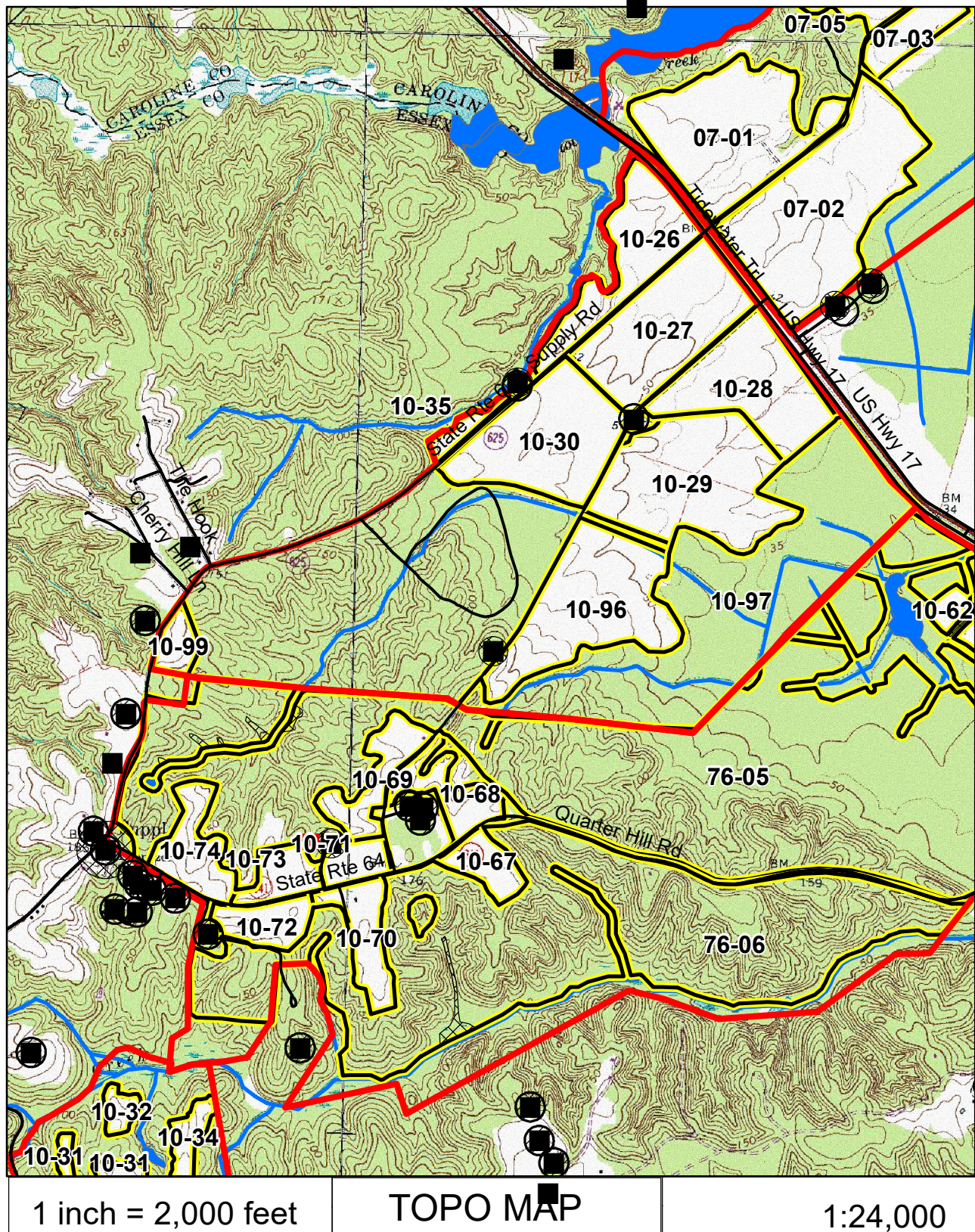
Revised 05/06/2025

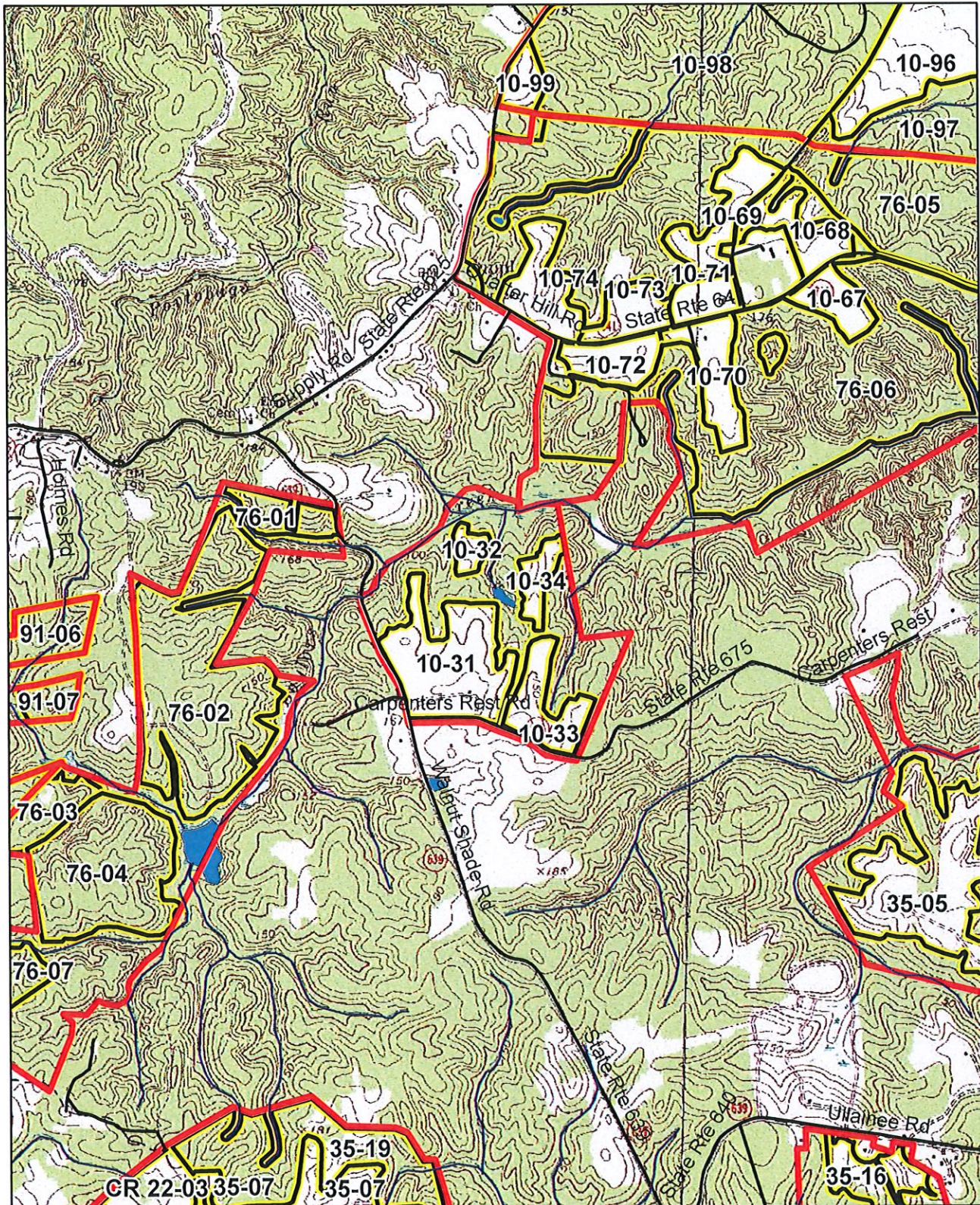


FIELD	ACRES
10-100	9.7
10-101	61.3
10-102	55.9

Revised 1/31/2024





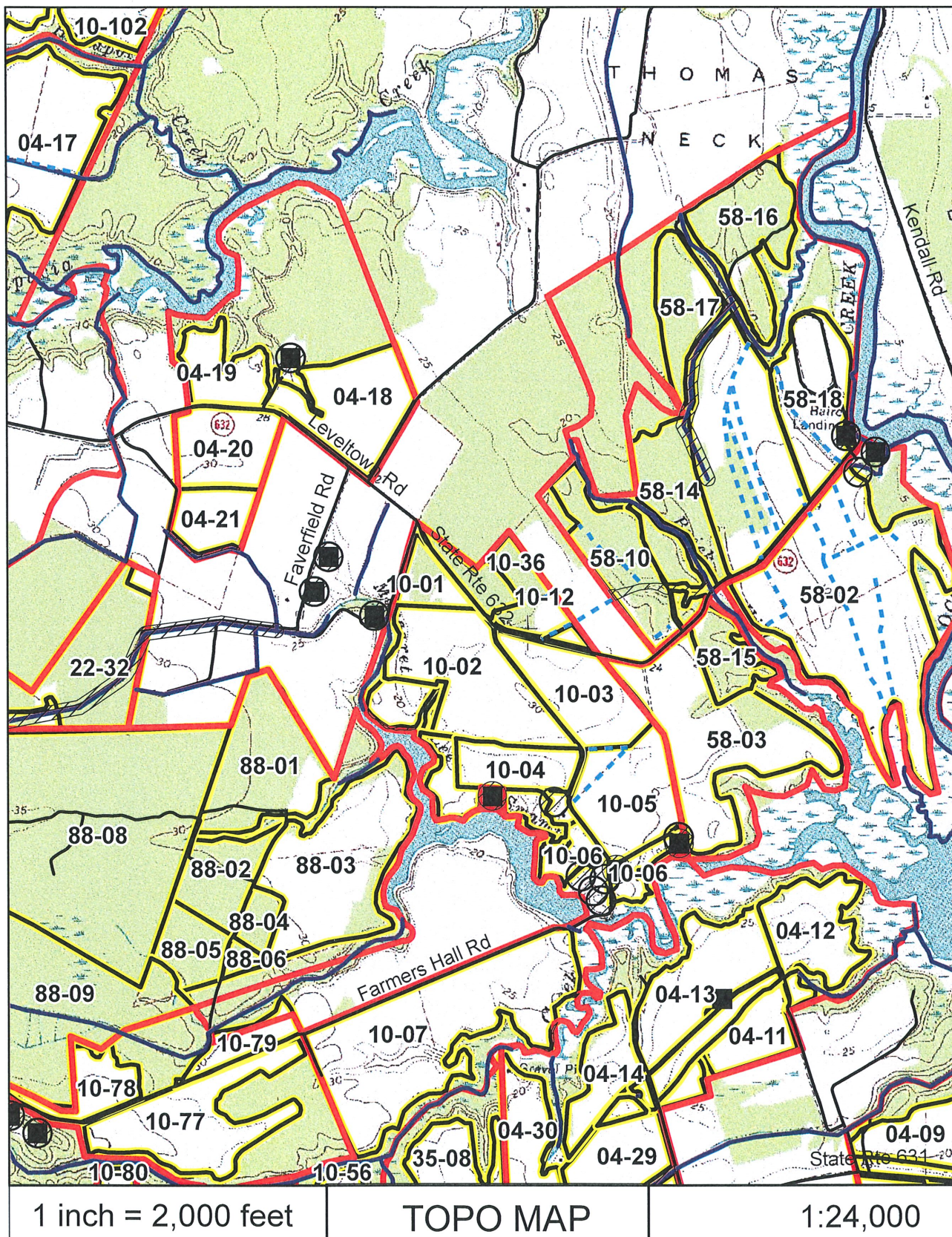


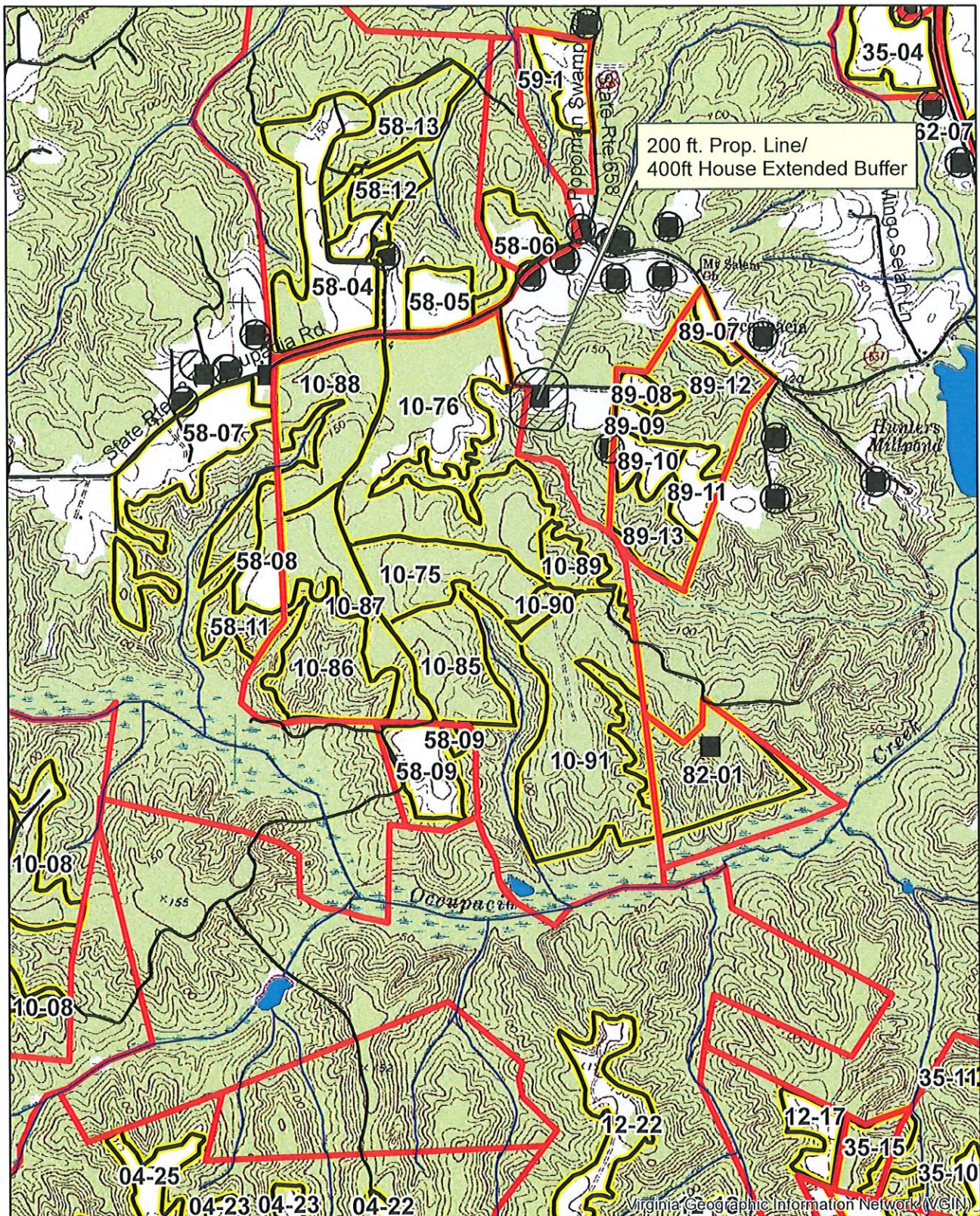
1 inch = 2,000 feet

TOPO MAP

1:24,000

Revised 1/31/2024



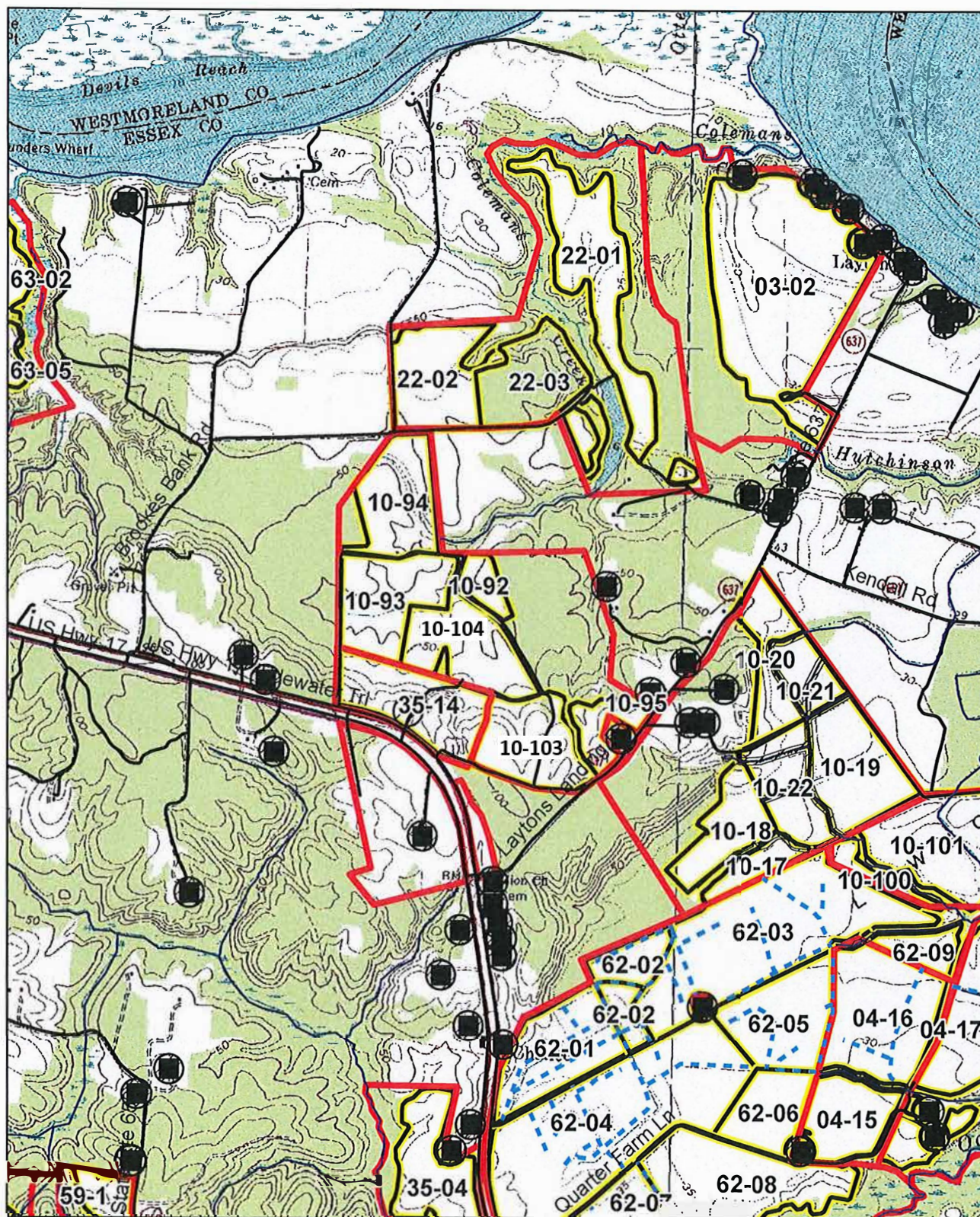


1 inch = 2,000 feet

Topo Map

1:24,000

Revised 3-8-2022



1 inch = 2,000 feet

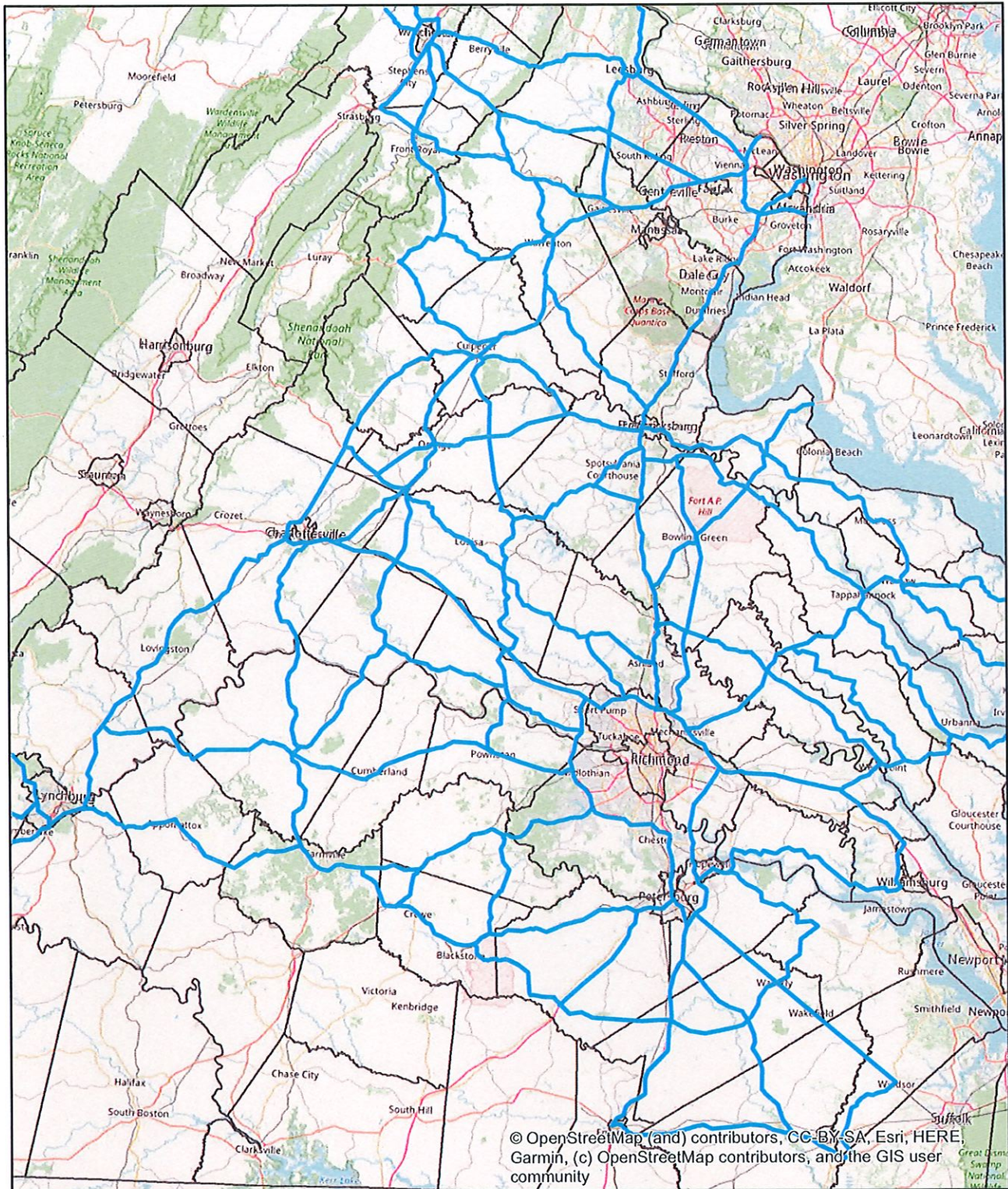
TOPO MAP

1:24,000

Revised 1/31/2024



SYNAGRO

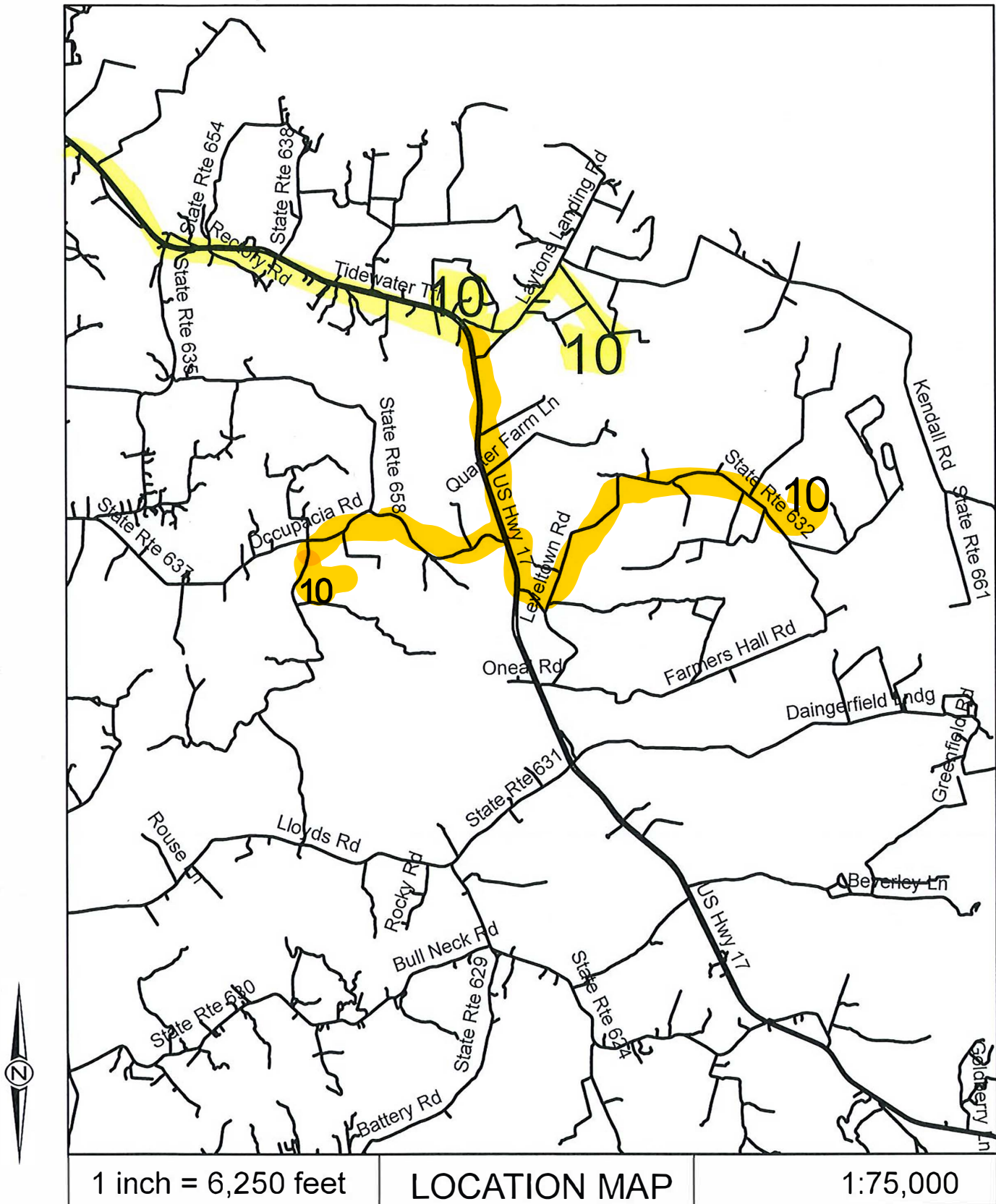


Haul Route

HAUL ROUTE MAP

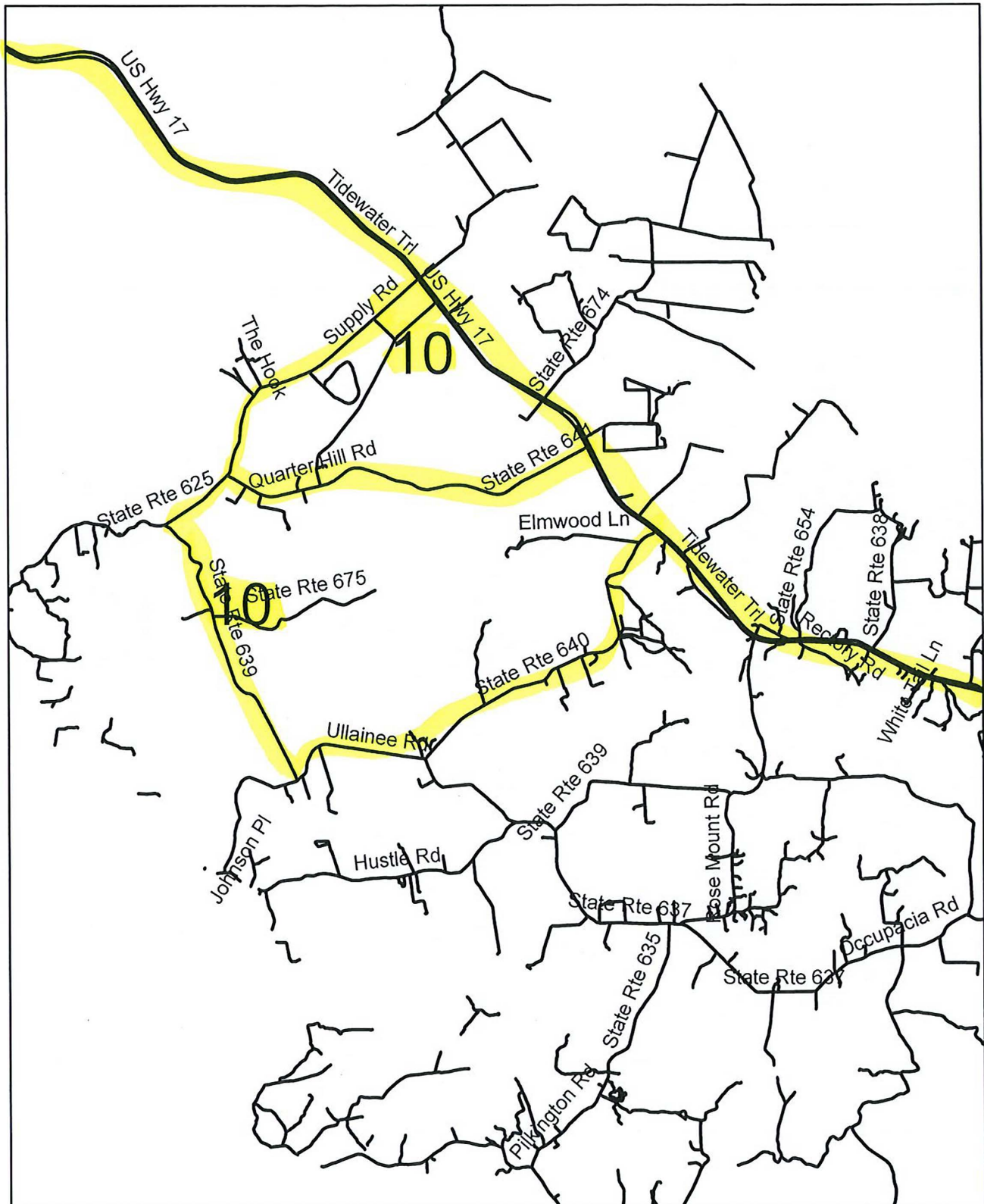
1:1,500,000

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.



 - Haul Route


Revised 1/31/2024



1 inch = 6,250 feet

LOCATION MAP

1:75,000

 - Haul Route

Revised 5/6/2025