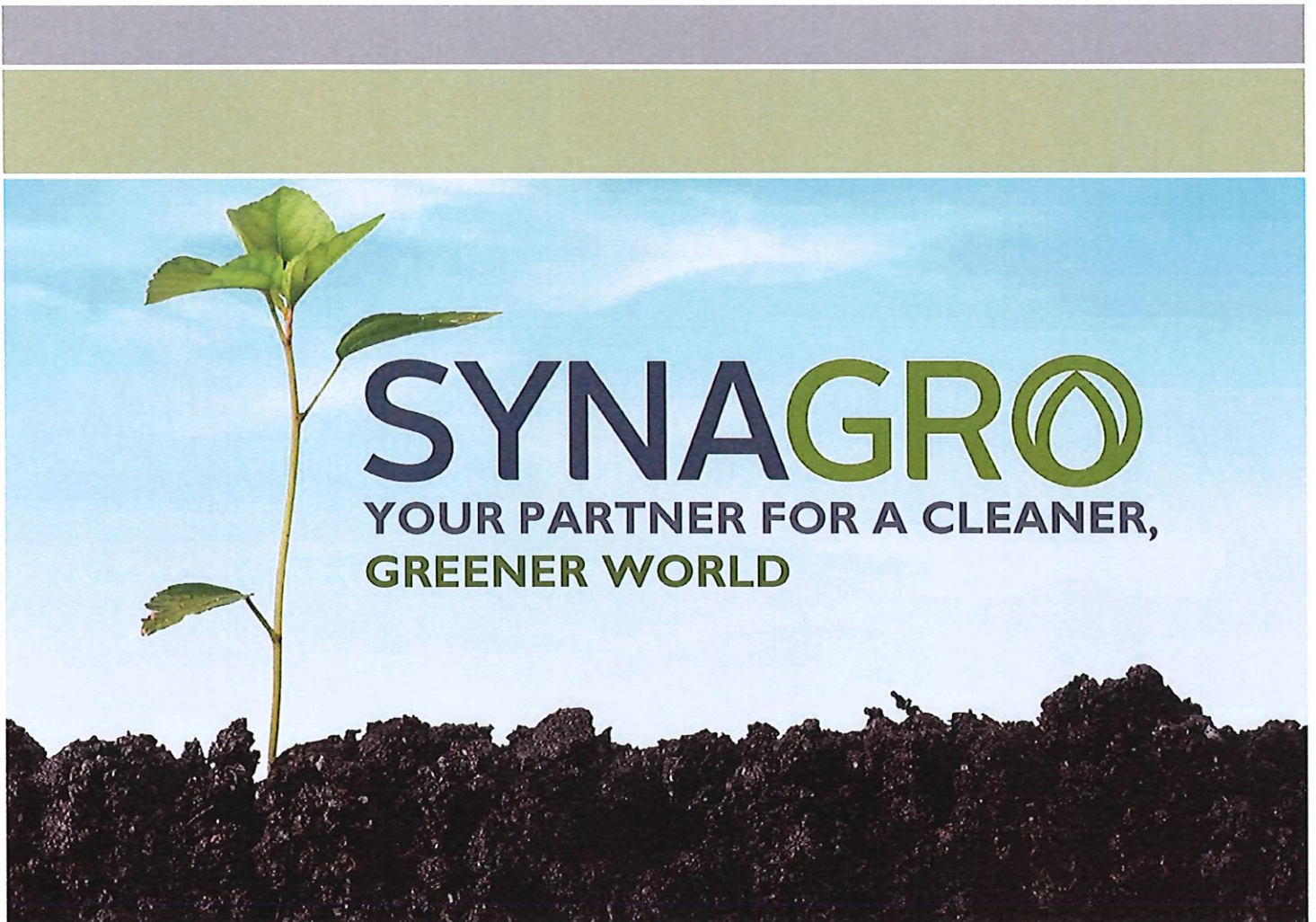


LAND APPLICATION OF BIOSOLIDS  
BOB CHAMBERS

CU 14 (FIELDS 01-03, 07-09)  
CULPEPER COUNTY, VIRGINIA  
AUGUST 2023



**JANUARY 23, 2024**

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

Dear Mr. Thompson,

Transmitted herein for your consideration is land application site for Bob Chambers (designated as CU 14, fields 01-03, 07-09), located in Culpeper County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

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

Sincerely,



Carolanne M. Whiteside  
Technical Services Coordinator



# FIELD SUMMARY SHEET

# Bob Chambers

## CU 14

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
14-01	45.7	45.7		Agriculture	H L Farm Corp.
14-02	66.4	66.4		Agriculture	H L Farm Corp.
14-03	42.7	42.7		Agriculture	H L Farm Corp.
14-07	107.3	107.3		Agriculture	H L Farm Corp.
14-08	137.7	137.7		Agriculture	James Edward Kuranda
14-09	8.5	8.5		Agriculture	James Edward Kuranda
TOTALS:	408.3	408.3			08/15/2023

**Changes to field acreages**

<b>SYNAGRO OLD FIELD #</b>	<b>SYNAGRO NEW FIELD #</b>	<b>OLD ACRES</b>	<b>NEW ACRES</b>	<b>NET ACRES CHANGE</b>
14-01	14-01	45.7	45.7	0.0
14-02	14-02	66.4	66.4	0.0
14-03	14-03	42.7	42.7	0.0
14-04	remove	35.0	0	-35.0
14-05	remove	53.3	0	-53.3
14-06	remove	19.0	0	-19.0
	14-07 *		107.3	107.3
	14-08		137.7	137.7
	14-09		8.5	8.5
<b>TOTALS:</b>		<b>262.1</b>	<b>408.3</b>	<b>146.2</b>

\* Fields 14-04, 14-05 & 14-06 combined into 14-07

**Fields with DEQ Control Numbers**

<b>SYNAGRO FIELD #</b>	<b>DEQ Control Number</b>
14-01	51047-00370-0000
14-02	51047-00371-0000
14-03	51047-00371-0000
14-07	51047-00373-0000
	51047-00374-0000
	51047-00375-0000
14-08	51047-00488-0000
14-09	51047-00488-0000





A Residual Management Company

## VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Bob Chambers PHONE: (540) -226 9199ADDRESS: 33285 Mason Rd Locust Grove VA 22508FARM LOCATION: Newbys Shop + Thoms Rd, Elkwood VA

FSA TRACT #: \_\_\_\_\_

TOTAL ACRES: \_\_\_\_\_ COUNTY: CulpeperCROPS: Corn Soybeans

1. I agree to be responsible for adhering to the following conditions, where applicable:
  - a. The soil pH will be adjusted  $\geq 6.0$  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  $\geq 4$  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

June 1, 2015  
 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 8-27-23 between James Edward Kuranda 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 Culpeper Co, 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
34-35	44-9		
44-8			
44-11			

☐ 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.

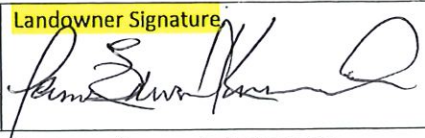
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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.

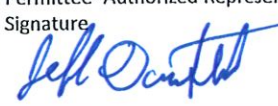
Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No	X Yes <input type="checkbox"/> No

<b>Printed name</b> By: <u>James Edward Kuranda</u> Title*: _____	<b>Mailing Address</b> <u>PO Box 10</u> <u>Elkwood VA 22718</u> <b>Phone No.</b> <u>703-965-4362</u>	<b>Landowner Signature</b> 
<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.

<b>Printed name</b> Jeff Douthit	<b>Mailing Address:</b> 1681 Tappahannock Blvd. Tappahannock, VA 22560 <b>Phone No.</b> 804-443-2170	<b>Permittee- Authorized Representative Signature</b> 
<b>Title:</b> Technical Services Specialist		

**PLEASE SIGN BOTH PAGES**



Permittee: Synagro Central, LLC

County or City: Culpeper

Landowner: James Edward Kuranda

**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.

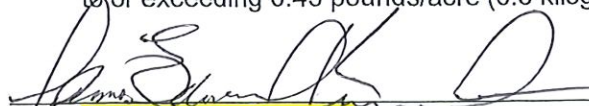
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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

8/27/23  
Date



C014

**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 7-17-2023 between H L Farm Corporation 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 Culpeper Co., 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
45-2	45-3	45-21	

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

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

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

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

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

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

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

Printed name: H L Farm Corp  By: <u>Kenneth T. Norak</u> Title*: <u>MANAGER</u>	Mailing Address 4800 Chestnut Blvd. Newport News, VA 23607  Phone No. <u>757-282-3929</u>	Landowner Signature 
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input checked="" type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

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

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

Printed name Jeff Douthit	Mailing Address: 1681 Tappahannock Blvd Tappahannock, VA 22560  Phone No.: 804-443-2071	Permittee- Authorized Representative Signature 
Title Technical Services Specialist		

**PLEASE SIGN BOTH PAGES**



Permittee: Synagro Central, LLC

County or City: Culpeper

Landowner: H L Farm Corporation

**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

7/17/2023  
Date



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

## Landowner Coordination Form

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

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

Permittee: Synagro Central, LLC County or City: Culpeper (CU 14)

Please Print

(Signatures not required on this page)

[illegible]

# WEeping WILLOW LN

Location WEeping WILLOW LN

Parcel ID 45 / 2 / 1

Acct# 14581

Owner H L FARM CORP

Land Use & Impro \$49,200

Appraisal \$234,100

PID 12542

Building Count 1

Legal Description ELKWOOD PARCEL 1

Magisterial Dist: 05

Historic District

## Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$234,100	\$234,100
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$49,200	\$49,200	\$49,200	\$49,200

## Parcel Addresses

Additional Addresses
No Additional Addresses available for this parcel

## Owner of Record

Owner H L FARM CORP  
Address 4100 CHESTNUT AVE  
NEWPORT NEWS, VA 23607

Sale Price \$12,000  
Parcels in sale 0  
Book & Page 0303/252  
Sale Date 05/08/1981

## Ownership History

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
H L FARM CORP	\$12,000	0	0303/252	05/08/1981	0

## UNKNOWN

Location UNKNOWN

Parcel ID 45 / 3 /

Acct# 14582

Owner H L FARM CORP

Land Use &amp; Impro \$151,900

Appraisal \$737,400

PID 12543

Building Count 1

Legal Description FLAT RUN PARCEL 2

Magisterial Dist: 05

## Historic District

## Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$737,400	\$737,400
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$151,900	\$151,900	\$151,900	\$151,900

## Parcel Addresses

Additional Addresses
No Additional Addresses available for this parcel

## Owner of Record

Owner H L FARM CORP  
 Address 4100 CHESTNUT AVE  
 NEWPORT NEWS, VA 23607

Sale Price \$212,292  
 Parcels in sale 0  
 Book & Page 0303/252  
 Sale Date 01/01/1981

## Ownership History

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
H L FARM CORP	\$212,292	0	0303/252	01/01/1981	0

## UNKNOWN

Location UNKNOWN

Parcel ID 45//21//

Acct# 14584

Owner H L FARM CORP

Land Use &amp; Impro \$108,200

Appraisal \$475,200

PID 12545

Building Count 1

Legal Description ELKWOOD

Magisterial Dist: 05

Historic District

## Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$475,200	\$475,200
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$108,200	\$108,200	\$108,200	\$108,200

## Parcel Addresses

Additional Addresses
No Additional Addresses available for this parcel

## Owner of Record

Owner H L FARM CORP  
 Address 4100 CHESTNUT AVE  
 NEWPORT NEWS, VA 23607

Sale Price \$6,912,000  
 Parcels in sale 0  
 Book & Page 0306/720  
 Sale Date 01/01/1981

## Ownership History

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
H L FARM CORP	\$6,912,000	0	0306/720	01/01/1981	0

## UNKNOWN

Location UNKNOWN

Parcel ID 34 / 35 / 1

Acct# 5470

Owner KURANDA, JAMES EDWARD

Land Use &amp; Impro \$75,900

Appraisal \$402,000

PID 5149

Building Count 1

Legal Description ELKWOOD

Magisterial Dist: 05

Historic District

## Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$402,000	\$402,000
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$75,900	\$75,900	\$75,900	\$75,900

## Parcel Addresses

Additional Addresses
No Additional Addresses available for this parcel

## Owner of Record

Owner KURANDA, JAMES EDWARD  
 Address PO BOX 10  
 ELKWOOD, VA 22718-0010

Sale Price \$300,000  
 Parcels in sale 5  
 Book & Page 599/70  
 Sale Date 01/07/1997

## Ownership History

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
KURANDA, JAMES EDWARD	\$300,000	5	599/70	01/07/1997	0
HOF CORPORATION	\$0	0	0/0	01/01/1900	0



**BERRY HILL RD****Location** BERRY HILL RD**Parcel ID** 44 / 8 / 1**Acct#** 5471**Owner** KURANDA, JAMES EDWARD**Land Use & Impro** \$32,300**Appraisal** \$270,000**PID** 5150**Building Count** 1**Legal Description** ELKWOOD**Magisterial Dist:** 05**Historic District****Current Value**

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$270,000	\$270,000
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$32,300	\$32,300	\$32,300	\$32,300

**Parcel Addresses**

Additional Addresses
No Additional Addresses available for this parcel

**Owner of Record**

**Owner** KURANDA, JAMES EDWARD  
**Address** PO BOX 10  
 ELKWOOD, VA 22718-0010

**Sale Price** \$300,000  
**Parcels in sale** 5  
**Book & Page** 599/70  
**Sale Date** 01/07/1997

**Ownership History**

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
KURANDA, JAMES EDWARD	\$300,000	5	599/70	01/07/1997	0
HOF CORPORATION	\$0	0	0186/391	01/01/1900	0



## UNKNOWN

Location UNKNOWN

Parcel ID 44 / 9 / 1

Acct# 5472

Owner KURANDA, JAMES EDWARD

Land Use &amp; Impro \$1,500

Appraisal \$14,400

PID 5151

Building Count 1

Legal Description ELKWOOD

Magisterial Dist: 05

Historic District

## Current Value

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$0		\$14,400	\$14,400
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$0	\$1,500	\$1,500	\$1,500	\$1,500

## Parcel Addresses

Additional Addresses
No Additional Addresses available for this parcel

## Owner of Record

Owner KURANDA, JAMES EDWARD

Sale Price \$300,000

Address PO BOX 10  
ELKWOOD, VA 22718-0010

Parcels in sale 5

Book &amp; Page 599/70

Sale Date 01/07/1997

## Ownership History

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
KURANDA, JAMES EDWARD	\$300,000	5	599/70	01/07/1997	0
HOF CORPORATION	\$0	0	0186/391	01/01/1900	0

**23065 THOMS RD****Location** 23065 THOMS RD**Parcel ID** 44 / 11 /**Acct#** 5473**Owner** KURANDA, JAMES EDWARD**Land Use & Impro** \$375,600**Appraisal** \$719,200**PID** 5152**Building Count** 1**Legal Description** ELKWOOD RESIDUE PC 8/652**Magisterial Dist:** 05**Historic District****Current Value**

Appraisal					
Valuation Year		Improvements		Land	Total
2023		\$197,200		\$522,000	\$719,200
Assessment					
Valuation Year	Improvements	Land	Total	Land Use Value	Land Use & Impro
2023	\$197,200	\$178,400	\$375,600	\$178,400	\$375,600

**Parcel Addresses**

Additional Addresses
No Additional Addresses available for this parcel

**Owner of Record**

**Owner** KURANDA, JAMES EDWARD  
**Address** PO BOX 10  
 ELKWOOD, VA 22718-0010

**Sale Price** \$300,000  
**Parcels in sale** 5  
**Book & Page** 599/70  
**Sale Date** 01/07/1997

**Ownership History**

Ownership History					
Owner	Sale Price	Parcels in sale	Book & Page	Sale Date	Instrument
KURANDA, JAMES EDWARD	\$300,000	5	599/70	01/07/1997	0
HOF CORPORATION	\$52,000	0	0186/391	01/01/1900	0

## Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLCCounty: CulpeperI, HL Farm Corp., hereby terminate the "Land Application Agreement –  
(Landowner)Biosolids and Industrial Residuals" executed on — between myself and  
(Date, if known)Recyc, Inc. pertaining to the land application of permitted  
(Current Permittee Name)

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

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
45-2		
45-3		
45-21		

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

For HL Farm Corp

Kenneth J. Novak

Landowner – Printed Name

[Signature]

Landowner's Signature

7/17/23

Date

Termination of Land Application Agreement – Biosolids and Industrial Residuals

Current Permittee Name: Synagro Central, LLC

County: Culpeper

I, James Edward Kuranda, hereby terminate the "Land Application Agreement –  
(Landowner)

Biosolids and Industrial Residuals" executed on — between myself and  
(Date, if known)

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

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

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
34-35		
44-8		
44-11		
44-9		

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

James Edward Kuranda  
Landowner – Printed Name

[Signature]  
Landowner's Signature

8/27/23  
Date

## TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
H L Farm Corp.	14-01	45-2
H L Farm Corp.	14-02	45-3
H L Farm Corp.	14-03	45-3
H L Farm Corp.	14-07	45-21
James Edward Kuranda	14-08	35-35
		44-8
		44-9
		44-11
James Edward Kuranda	14-09	44-8

Field Number	Latitude (North)	Longitude (West)
14-01	38.492°	-77.831°
14-02	38.488°	-77.833°
14-03	38.489°	-77.828°
14-07	38.490°	-77.824°
14-08	38.492°	-77.836°
14-09	38.501°	-77.843°

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

**Haul Route:**

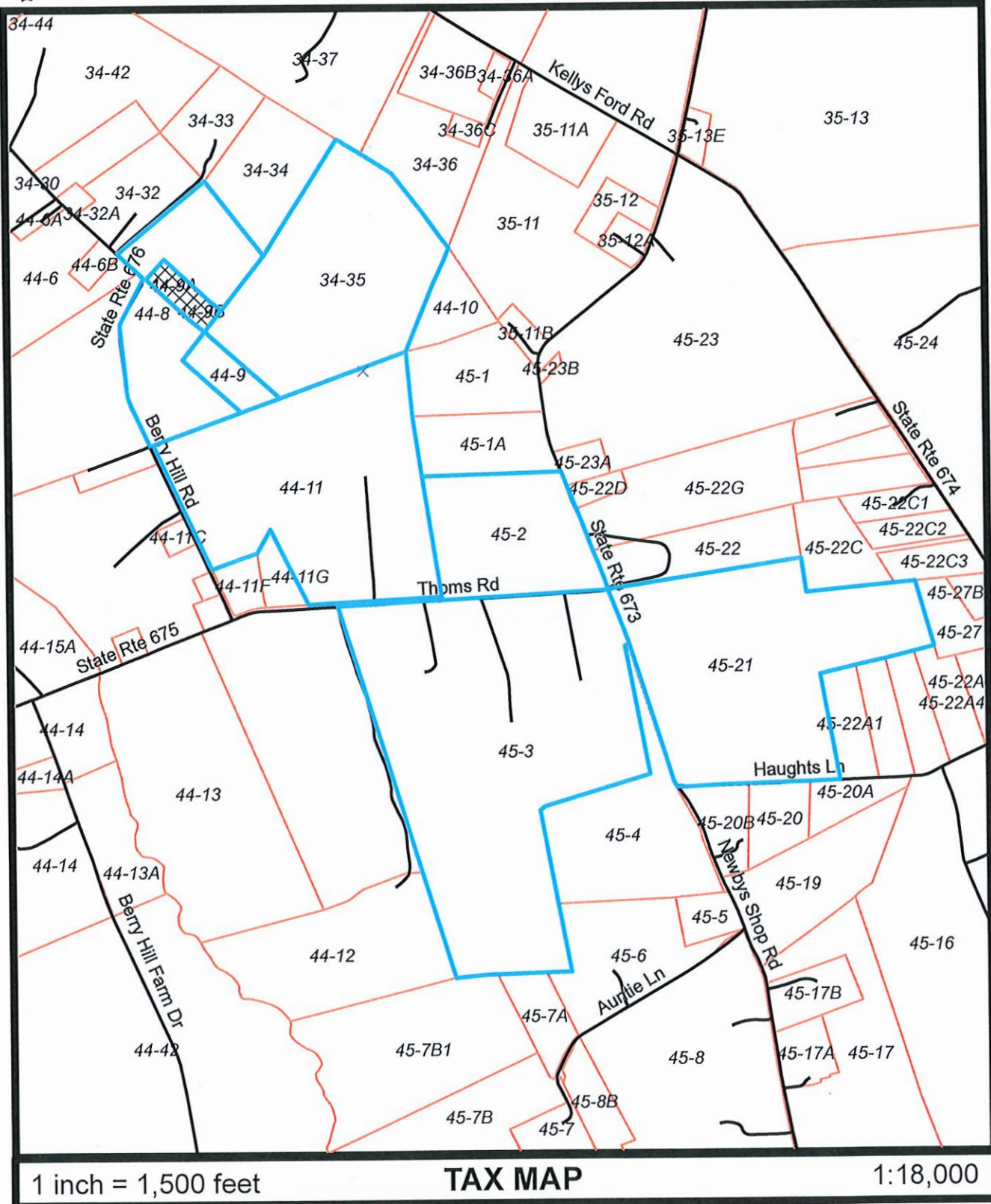
The Location maps in conjunction with the above latitude and longitude coordinates are a route planning tool meant to be a guide to indicate suggested haul routes for various preferences: to include but not limited to all federal, state, and local granted STAA access routes.





# SYNAGRO

Bob Chambers  
CU 14  
Fields 01-03, 07-09



Created 8/15/2023

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



## Farm Summary Report

**Plan:** Revised Plan Summer, 2015 - Summer, 2016

**Farm Name:** CU14  
**Location:** Culpeper  
**Specialist:** Jeffery R Douthit  
**N-based Acres:** 409.1  
**P-based Acres:** 0.0

**Tract Name:** CU14  
**FSA Number:** 0  
**Location:** Culpeper

**Field Name:** 01  
**Total Acres:** 45.70 **Usable Acres:** 45.70  
**FSA Number:** 0  
**Tract:** CU14  
**Location:** Culpeper  
**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
21	16A	Dulles Nestoria
36	9A	Clover Penn
43	45A	Nestoria Penn

### **Field Warnings:**

**Field Name:** 02  
**Total Acres:** 65.70 **Usable Acres:** 65.70  
**FSA Number:** 0  
**Tract:** CU14  
**Location:** Culpeper  
**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
83	45A	Nestoria Penn
17	16A	Dulles Nestoria

**Field Warnings:**

*Environmentally Sensitive Soils due to:*

*Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock*

**Field Name:** 03  
**Total Acres:** 44.20 **Usable Acres:** 44.20  
**FSA Number:** 0  
**Tract:** CU14  
**Location:** Culpeper  
**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
24	16A	Dulles Nestoria
76	45A	Nestoria Penn

**Field Warnings:**

*Environmentally Sensitive Soils due to:*

*Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock*

**Field Name:** 07  
**Total Acres:** 107.30 **Usable Acres:** 107.30  
**FSA Number:** 0  
**Tract:** CU14  
**Location:** Culpeper  
**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
33	16A	Dulles Nestoria
1	20A	Elbert
34	45A	Nestoria Penn
21	51A	Kelly Sycoline
11	9A	Clover Penn

**Field Warnings:**

**Field Name:** 08

Total Acres: 137.70 Usable Acres: 137.70

FSA Number: 0

Tract: CU14

Location: Culpeper

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
5	9A	Clover Penn
13	16A	Dulles Nestoria
6	16B	Dulles Nestoria
71	45A	Nestoria Penn
5	45B	Nestoria Penn

**Field Warnings:***Environmentally Sensitive Soils due to:**Shallow soils less than 41 inches deep likely to be located over fractured or limestone bedrock*



**Field Name:** 09  
**Total Acres:** 8.50 **Usable Acres:** 8.50  
**FSA Number:** 0  
**Tract:** CU14  
**Location:** Culpeper  
**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
62	2A	Ashburn Dulles
38	9A	Clover Penn

**Field Warnings:**

## ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
14-01	Shallow Soils (Map Unit 45A - 43%) High Water Table(Map Unit 16A - 21%)
14-02	Shallow Soils (Map Unit 45A - 83%) High Water Table (Map Unit 16A - 17%)
14-03	Shallow Soils (Map Unit 45A - 76%) High Water Table(Map Unit 16A - 24%)
14-07	Shallow Soils (Map Unit 45A - 34%) High Water Table(Map Units 16A, 20A & 51A - 55%)
14-08	Shallow Soils (Map Units 45A & 45B - 76%) High Water Table(Map Units 16A & 16B - 21%)
14-09	None

## Culpeper County Soils that are Environmentally Sensitive

Soil Map Unit	Series Name	Time of year		Environmental
		High Water	Flooded	
3D, 3E	Blocktown-Yellowbottom			Shallow
5B	Catoctin-Fletcher ville			Shallow
6C, 6B	Catoctin-Alanthus			Shallow
7E	Catoctin-Alanthus (Rock)			Shallow
10A	Codorus-Hatboro	Nov – April	Dec – April	
11B	Codorus-Meadowville	Nov – April		
12A	Codorus	Nov – April	Dec – April	
13A	Comus		Jan – May	
15A	Dulles-Kinkora	Dec – April		
16A, 16B	Dulles-Nestoria	Nov – March		
20A	Elbert	Nov – March		
30C, 31D, 31E	Griffinsburg-Edgemont			Shallow
38A, 38B	Jackland-Haymarket	Dec – April		
39A, 39B	Jackland-Haymarket	Dec – April		
45A, 45B	Nestoria- Penn			Shallow
51A	Sycoline-Kelly	Nov – May		

# 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

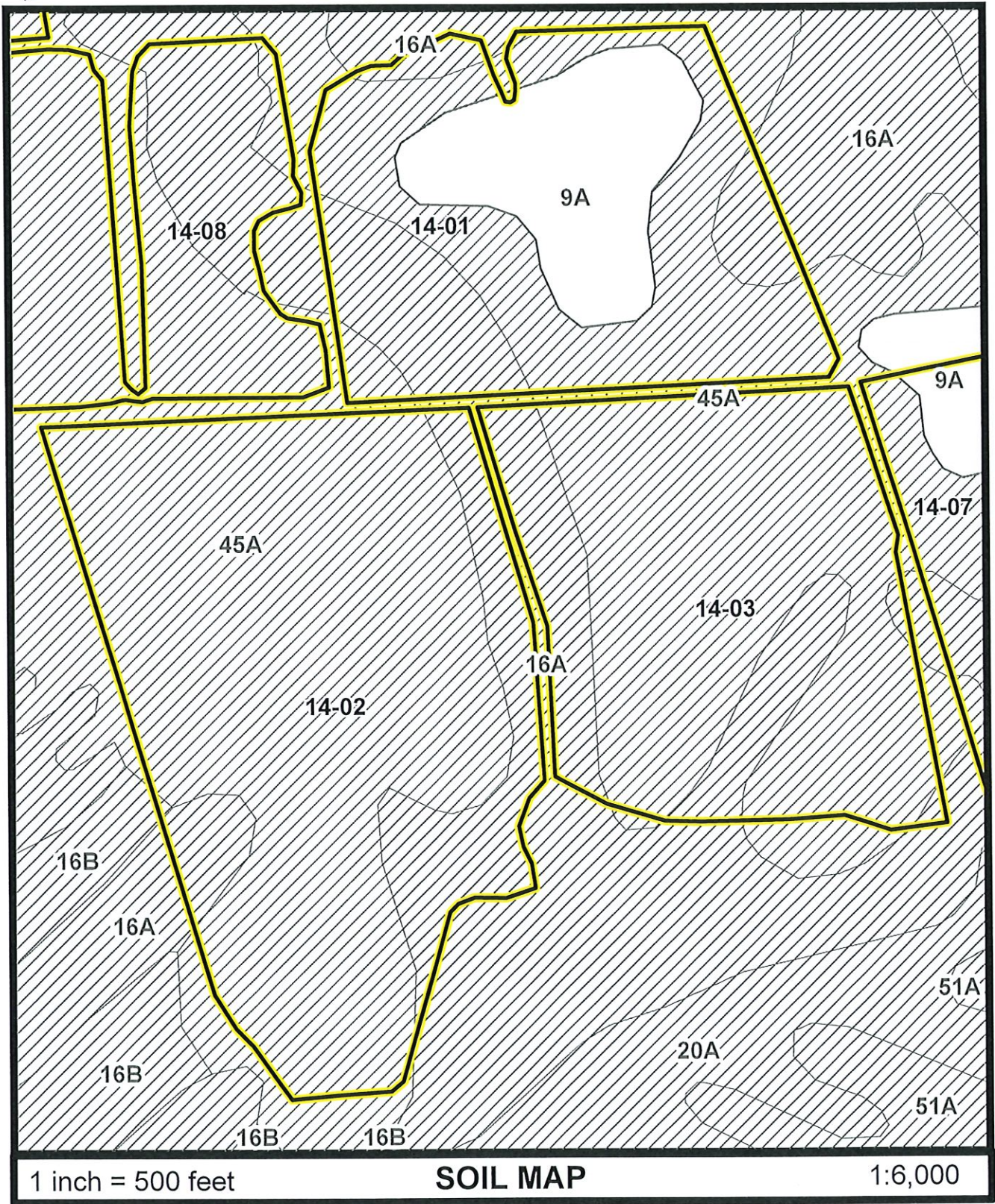
- 100' buffer unless waiver issued





# SYNAGRO

Bob Chambers  
CU 14  
Fields 01-03



Environmentally Sensitive Soils

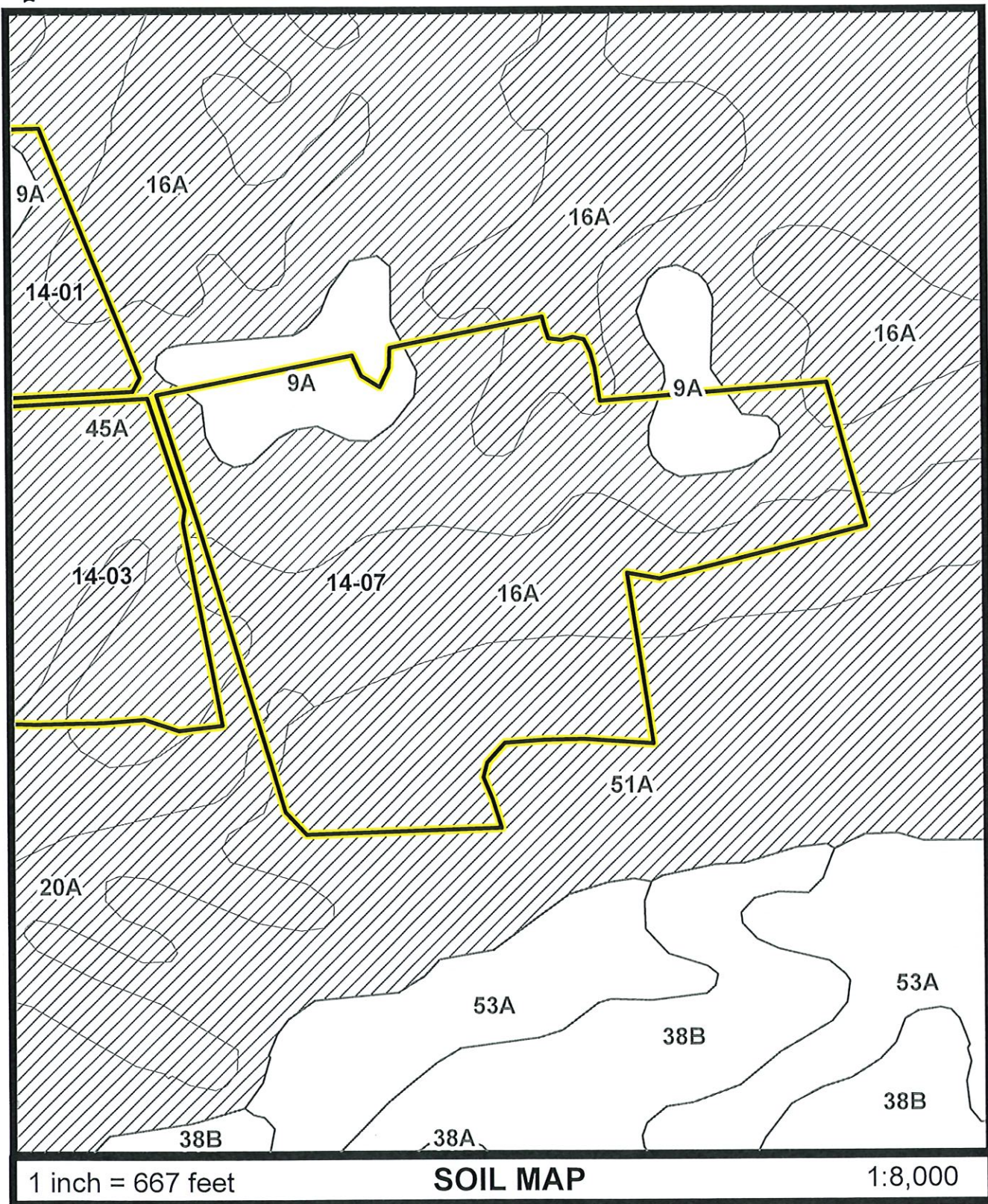
Created 8/15/2023





# SYNAGRO

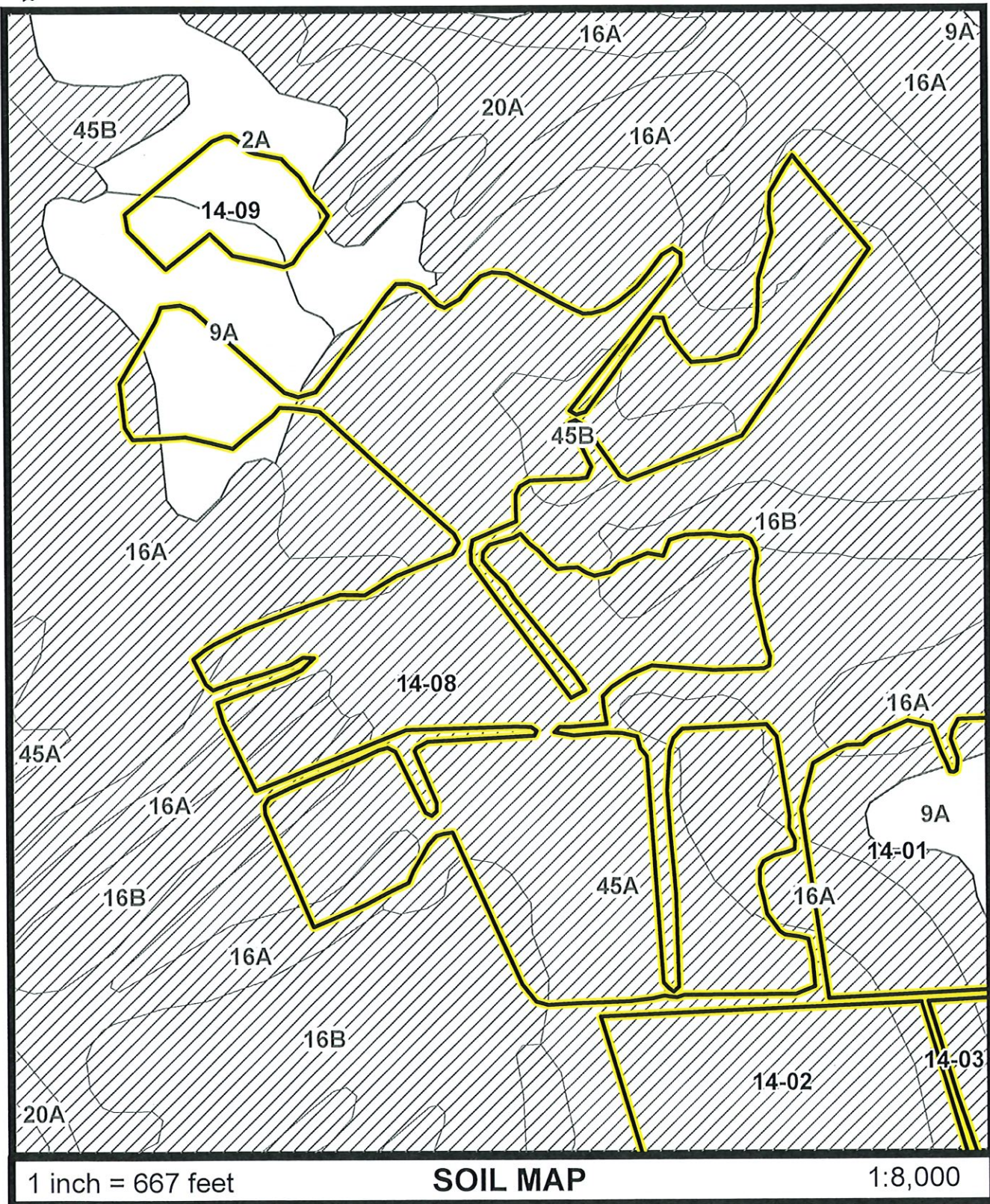
Bob Chambers  
CU 14  
Field 07



Environmentally Sensitive Soils

Created 8/15/2023





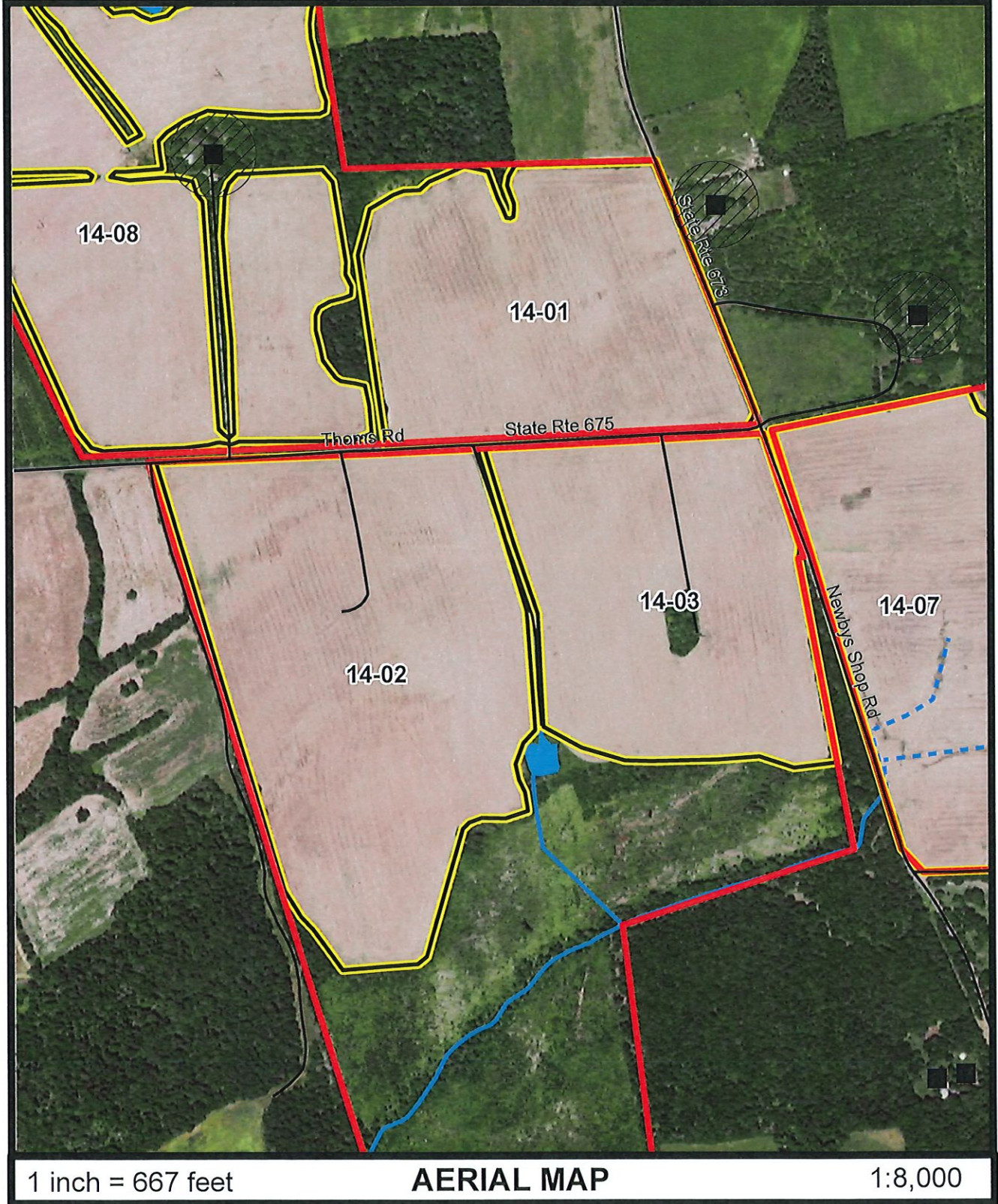
Environmentally Sensitive Soils





# SYNAGRO

Bob Chambers  
CU 14  
Fields 01-03



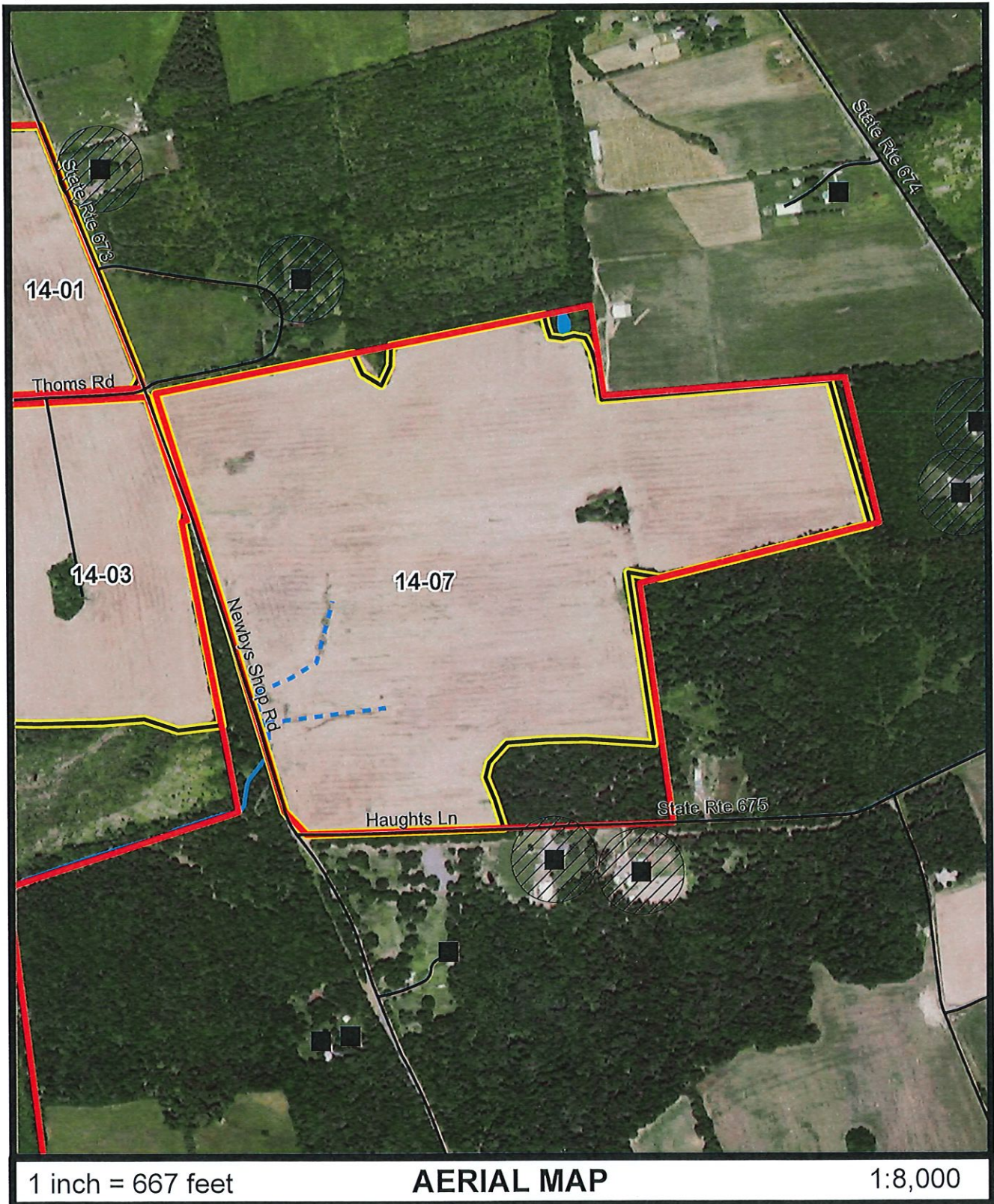
Created 8/15/2023





# SYNAGRO

Bob Chambers  
CU 14  
Field 07



1 inch = 667 feet

**AERIAL MAP**

1:8,000

Created 8/15/2023



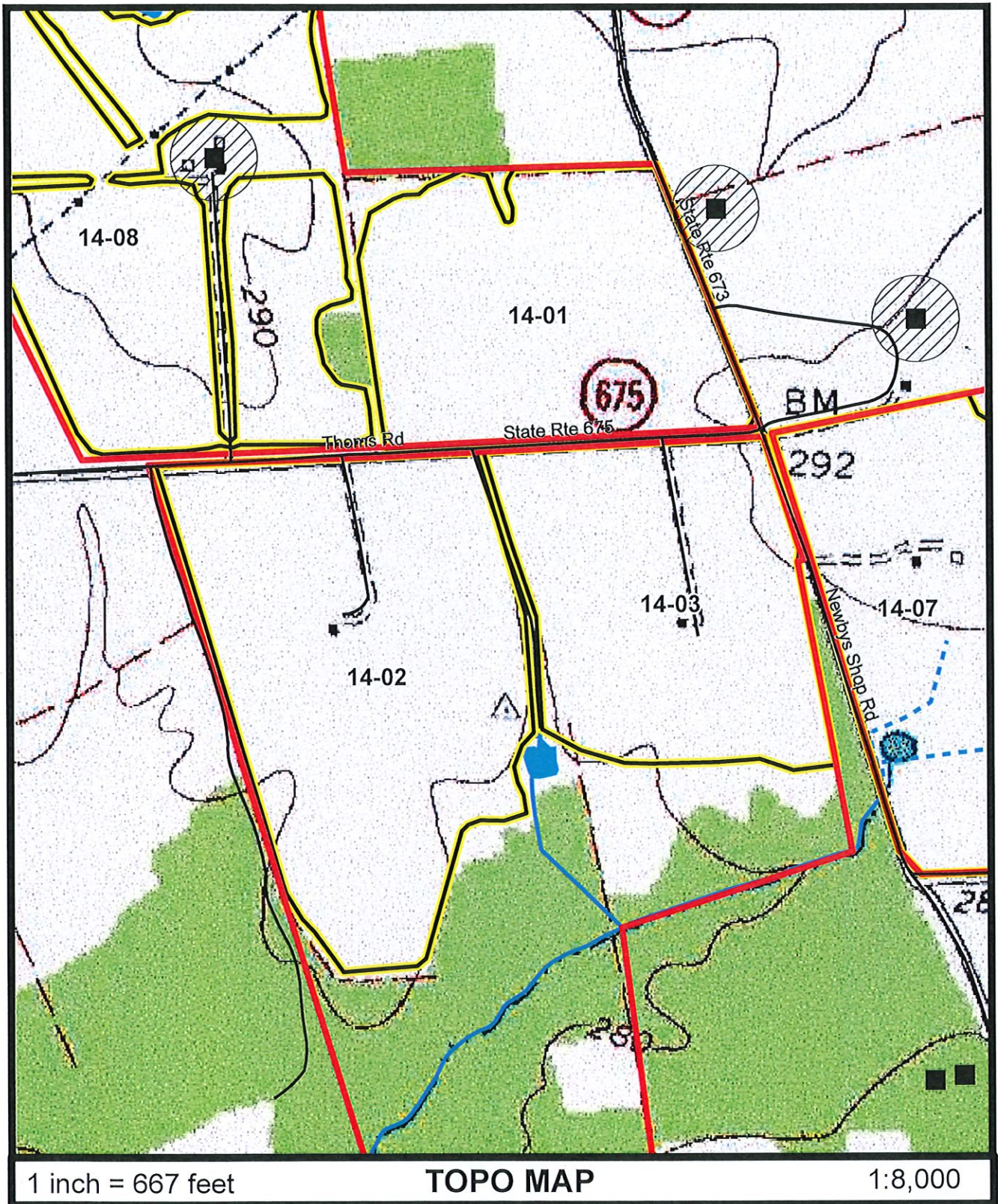






# SYNAGRO

Bob Chambers  
CU 14  
Fields 01-03



FIELD	ACRES
14-01	45.7
14-02	66.4
14-03	42.7

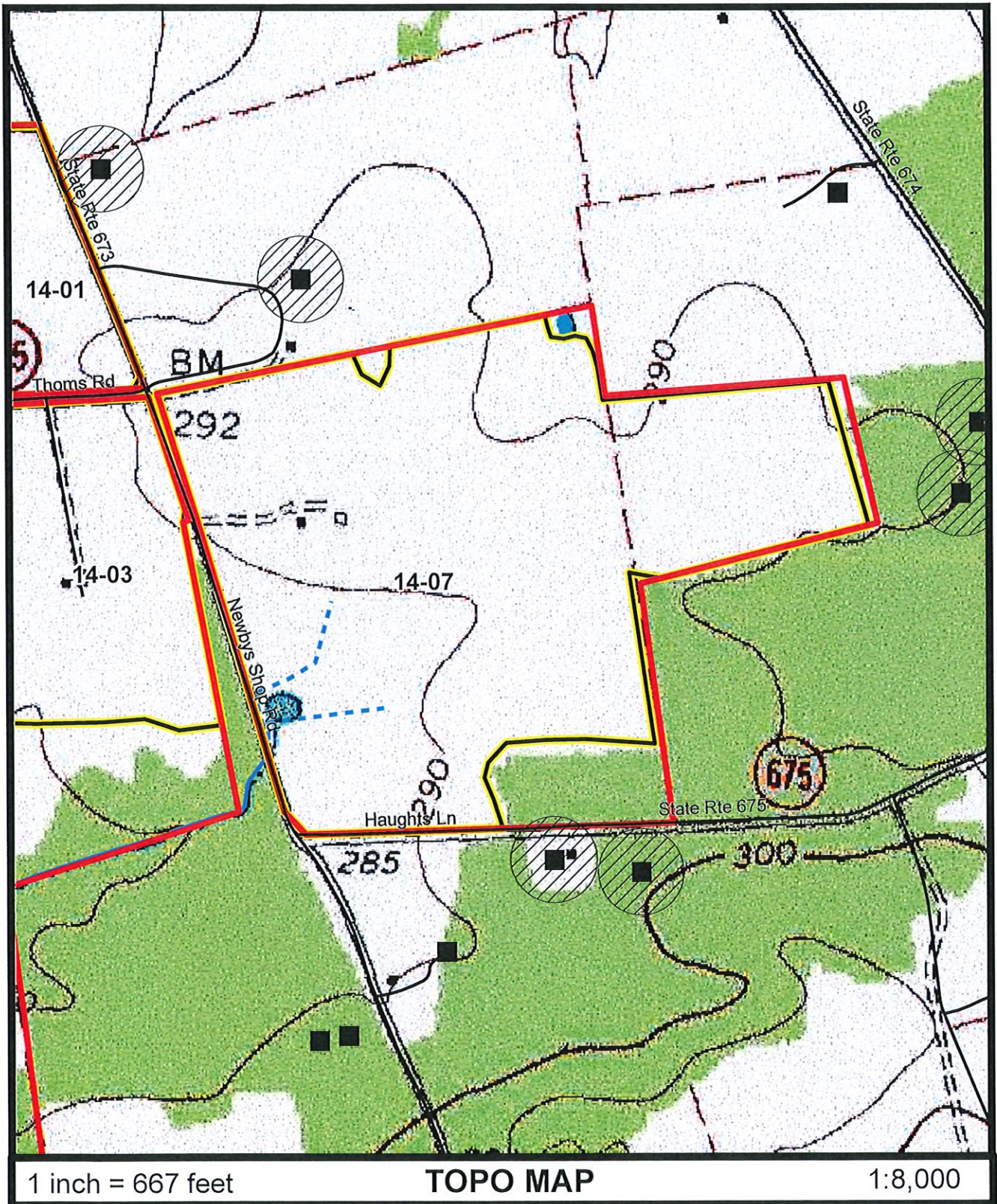
Created 8/15/2023





# SYNAGRO

Bob Chambers  
CU 14  
Field 07



FIELD	ACRES
-------	-------

14-07	107.3
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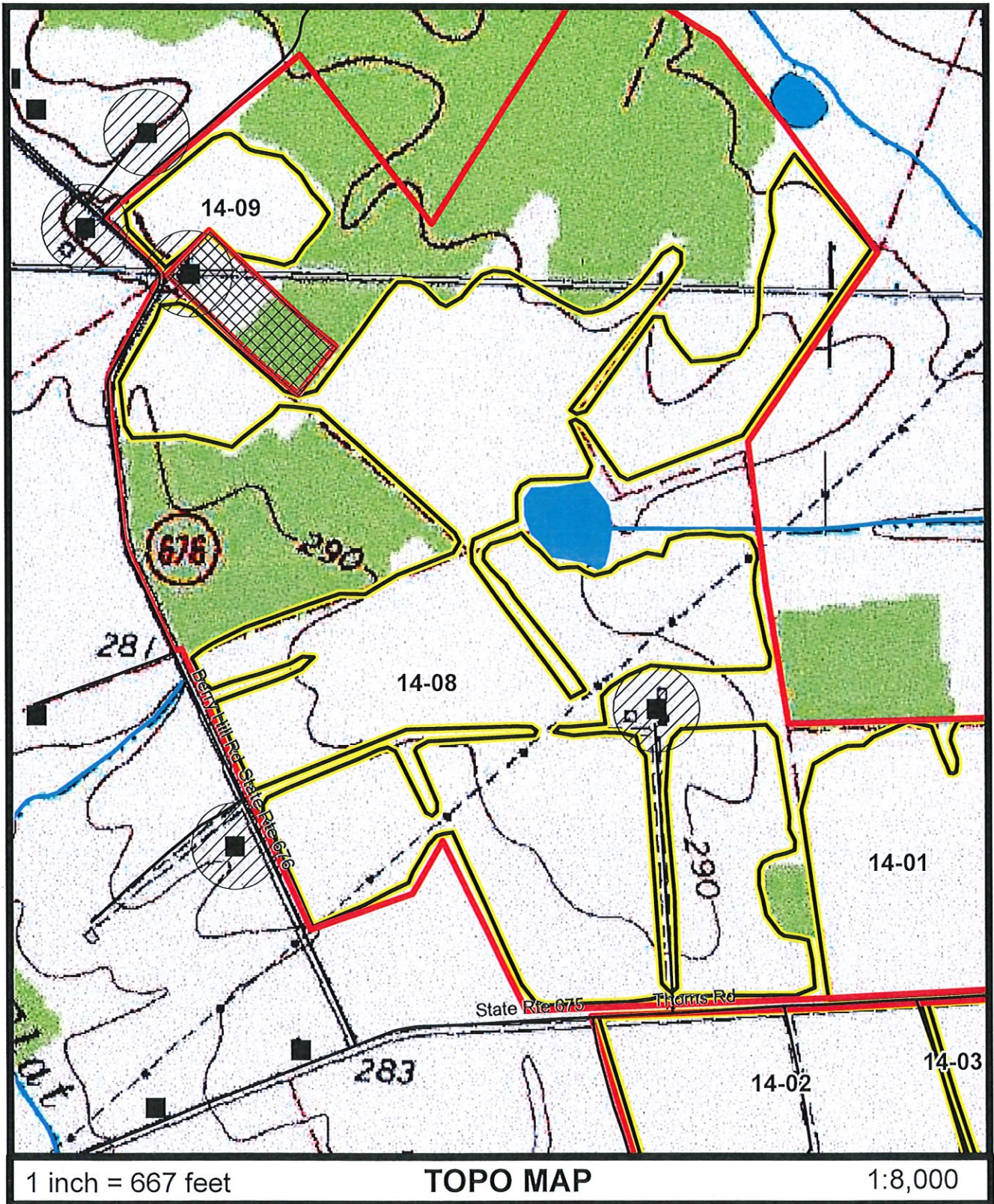
Created 8/15/2023





# SYNAGRO

Bob Chambers  
CU 14  
Fields 08-09



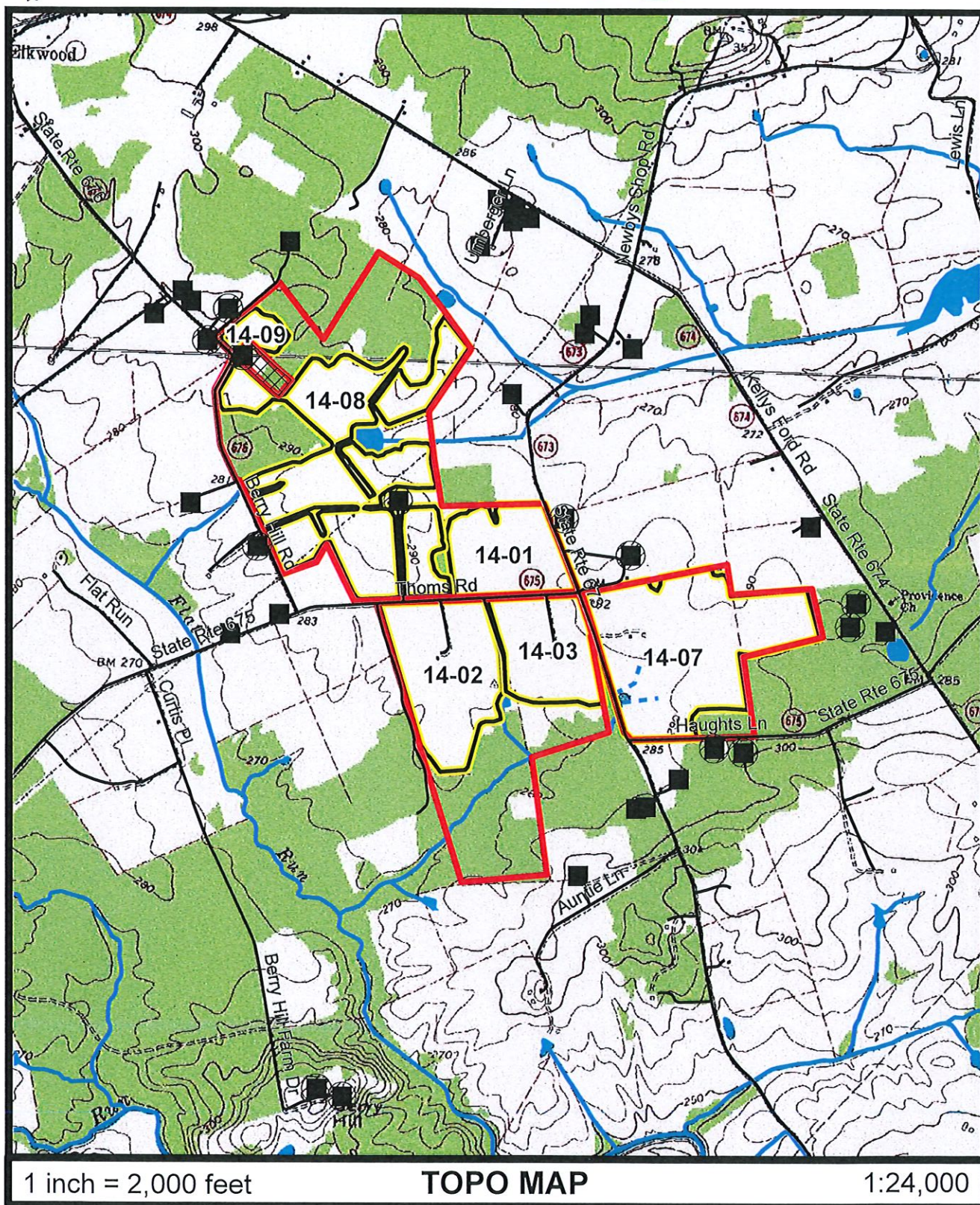
FIELD	ACRES
14-08	137.7
14-09	8.5

Created 8/15/2023





**Bob Chambers**  
**CU 14**  
**Fields 01-03, 07-09**



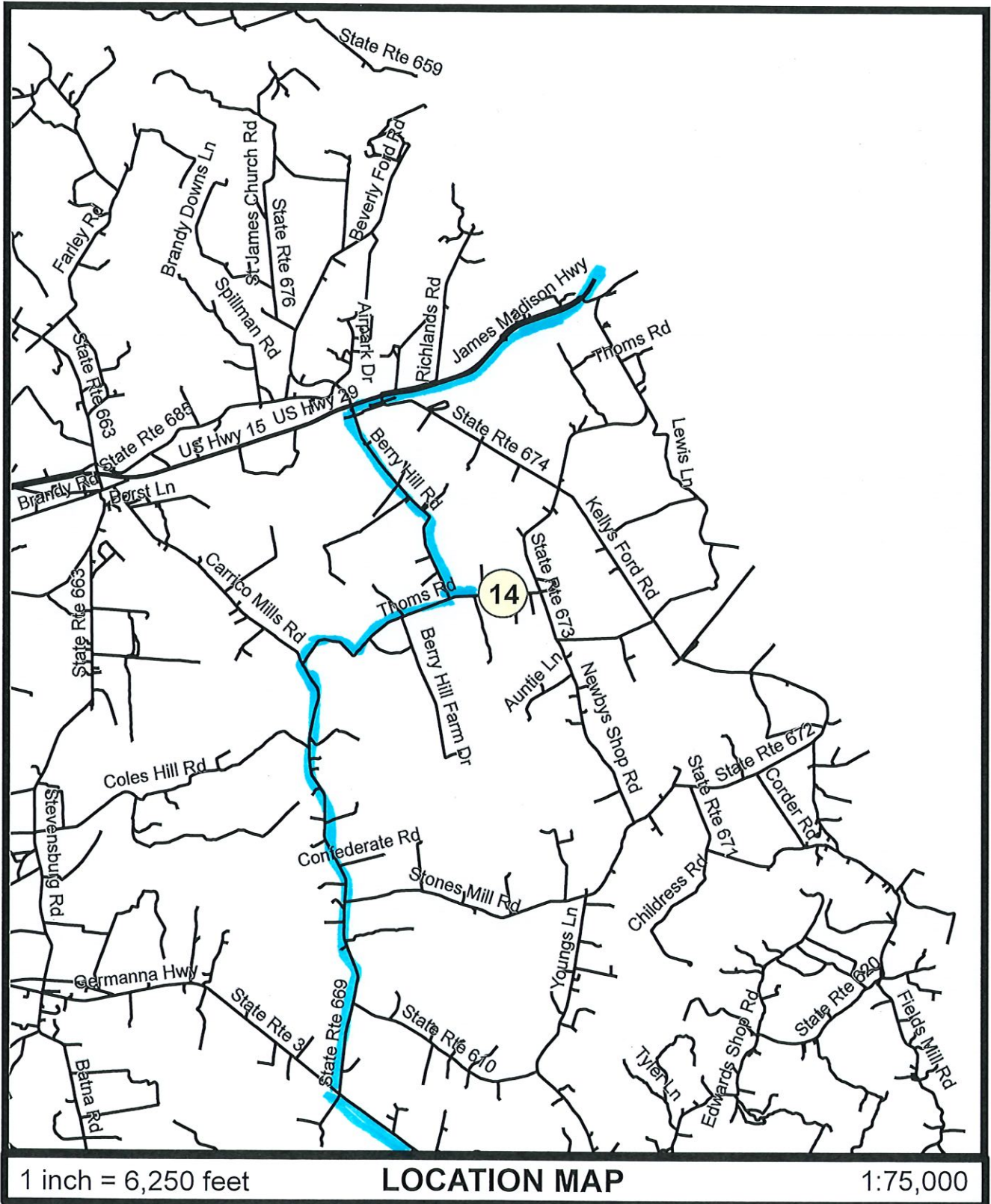
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# SYNAGRO

Bob Chambers  
CU 14  
Fields 01-03, 07-09

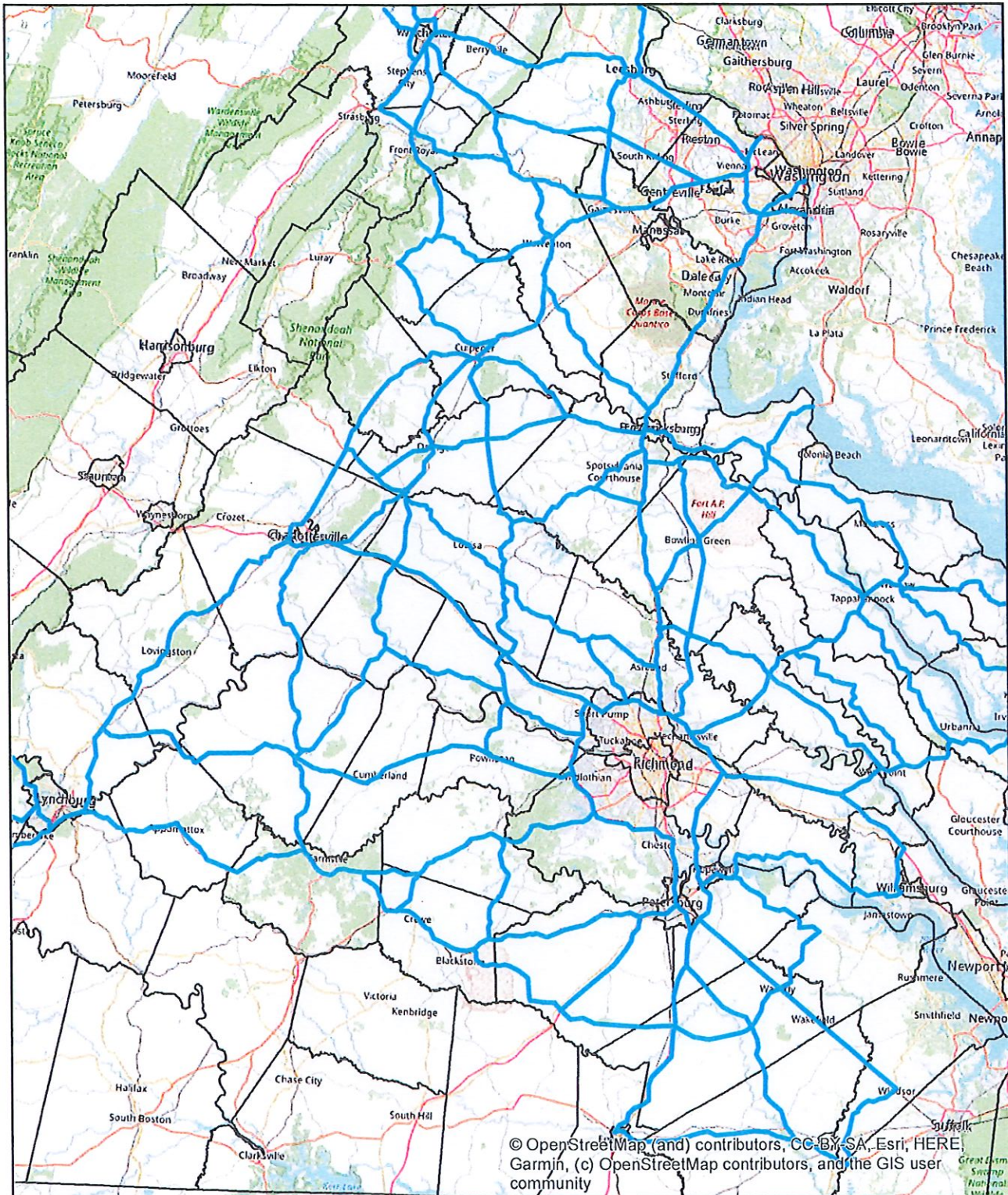


Haul Route

Created 8/15/2023



# 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.