LAND APPLICATION OF BIOSOLIDS
THOMAS H FITZGERALD

NE 06 (FIELDS 2-8, 14-16, 18, 20-28, 35-37)
NELSON COUNTY, VIRGINIA
NOVEMBER 2013

10647 Tidewater Trail
Champlain, VA 22438-2017
www.synagro.com

SYNAGRO

July 18, 2016

Ms. Sarah Mundy
Department of Environmental Quality
Valley Regional Office
P.O. Box 3000
Harrisonburg, VA 22801

Dear Ms. Mundy:

Transmitted herein for your consideration is land application site for Thomas H. Fitzgerald (designated as NE 06, fields 2-8, 14-16, 18, 20-28, 35-37), located in Nelson 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

SYNAGRO

FIELD SUMMARY SHEET

Thomas Fitzgerald **NE 06**

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FIELD TYPE	OWNER
06-02	68.9	65.6		Agriculture	Minor Wilcox
06-03	22.3	21.4		Agriculture	Minor Wilcox
06-04	16.4	14.7		Agriculture	Minor Wilcox
06-05	4.0	4.0		Agriculture	Minor Wilcox
06-06	21.5	20.1		Agriculture	Minor Wilcox
06-07	19.7	17.5		Agriculture	Minor Wilcox
06-08	16.3	16.3		Agriculture	Minor Wilcox
06-14	39.4	39.4		Agriculture	Thomas H & Emily V Fitzgerald
06-15	72.5	70.0		Agriculture	Thomas H & Donna F. Fitzgerald
06-16	23.4	19.2		Agriculture	Thomas H Fitzgerald & Donna F.
06-18	8.5	8.0		Agriculture	Nathan A & Rachel C Dunn
06-20	40.8	40.8		Agriculture	Donald J & Patricia A Willis
06-21	85.0	82.5		Agriculture	James A. Wood Sr. Kathleen M & Others Medwid Nancy H. Wood
06-22	25.1	25.1		Agriculture	Nancy H. Wood
06-23	13.8	13.8		Agriculture	Nancy H. Wood
06-24	15.9	15.9		Agriculture	Nancy H. Wood
06-25	47.4	47.4		Agriculture	Nancy H. Wood
06-26	8.6	8.6		Agriculture	Nancy H. Wood
06-27	15.2	15.2		Agriculture	Nancy H. Wood
06-28	74.2	74.2		Agriculture	Jill L. Dunmire
06-35	17.4	15.5		Agriculture	John T & Ruth F Saunders
06-36	14.7	13.5		Agriculture	John T & Ruth F Saunders
06-37	48.4	45.5		Agriculture	John T & Ruth F Saunders
TOTAL	719.4	694.2			Revised 06-30-2016

TAX ID LANDOWNER IDENTIFICATION SHEET

Landowner	Field Number	Tax ID
Minor Wilcox	06-02	81-A-26A
Minor Wilcox	06-03	81-A-26A
Minor Wilcox	06-04	81-A-26A
Minor Wilcox	06-05	81-A-26A
Minor Wilcox	06-06	81-A-26A
Minor Wilcox	06-07	81-A-26A
Minor Wilcox	06-08	81-A-26A
Thomas H & Emily V Fitzgerald	06-14	42-A-37A
Thomas H & Donna F. Fitzgerald	06-15	75-2-4
Thomas H Fitzgerald & Donna F.	06-16	42-A-14A
Nathan A & Rachel C Dunn	06-18	90-A-13
Donald J & Patricia A Willis	06-20	90-A-21
James A. Wood Sr.	06-21	90-A-19, 90-A-90
Kathleen M & Others Medwid		90-A-19A
Nancy H. Wood		90-A-18
Nancy H. Wood	06-22	90-A-18
Nancy H. Wood	06-23	90-A-18
Nancy H. Wood	06-24	90-A-18
Nancy H. Wood	06-25	90-A-18
Nancy H. Wood	06-26	90-A-18
Nancy H. Wood	06-27	90-A-18
Jill L. Dunmire	06-28	90-A-7C
John T & Ruth F Saunders	06-35	65-A-101
John T & Ruth F Saunders	06-36	65-A-101
John T & Ruth F Saunders	06-37	65-A-101

Revised 06-30-2016

Field Number	Latitude (North)	Longitude (West)
06-02	37.678°	-78.715°
06-03	37.674°	-78.710°
06-04	37.677°	-78.711°
06-05	37.678°	-78.713°
06-06	37.680°	-78.711°
06-07	37.681°	-78.713°
06-08	37.677°	-78.706°
06-14	37.790°	-79.000°
06-15	37.701°	-78.977°
06-16	37.822°	-78.991°
06-18	37.646°	-78.717°
06-20	37.639°	-78.719°
06-21	37.637°	-78.725°
06-22	37.642°	-78.731°
06-23	37.642°	-78.733°
06-24	37.646°	-78.733°
06-25	37.643°	-78.737°
06-26	37.640°	-78.735°
06-27	37.639°	-78.736°
06-28	37.636°	-78.743°
06-35	37.730°	-78.972°
06-36	37.730°	-78.975°
06-37	37.729°	-78.977°

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.

NE

SYNAGRO

A Residuals Management Company

VIRGINIA REQUEST AND CONSENT FOR BIOSOLIDS

FARM OPERATOR: Thomas Henry Fitzgerald PHONE: (434) 906-1362

ADDRESS: 4695 Tye Brook Hwy, Arrington, VA 22922

FARM LOCATION: _____

FSA TRACT #: 733, 1853, 5988

TOTAL ACRES: _____ COUNTY: Nelson

CROPS: Corn, Soybeans

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 fro 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.

Thomas Henry Fitzgerald III 10-15-12

OPERATOR'S SIGNATURE DATE

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 e 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-contain 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. It 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 3-26-14 between Thomas Henry Fitzgerald III referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
66-A-64A			
66-A-64B			

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

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

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

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

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

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

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

Thomas Henry Fitzgerald III — Landowner – Printed Name, Title
Signature
4695 Tye Brook Hwy, Arrington VA 22
Mailing Address

Permittee: Emily V. Fitzgerald — Emily V. Fitzgerald

Synagro, 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.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

LEONARD SCOTT — Permittee – Authorized Representative Printed Name
Leonard Scott — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

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

Permittee: Synagro **County or City:** NELSON

Landowner: Thomas H. Fitzgerald III

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).

Thomas H. Fitzgerald III 3-26-14

Landowner's Signature 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 1-26-15 between Thomas H. Fitzgerald Donna F. Fitzgerald referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
~~45-42~~	75-2-4		
42-A-14A			

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

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

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

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

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

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

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

Thomas H. Fitzgerald
Donna F. Fitzgerald
Thomas H. Fitzgerald
Donna F. Fitzgerald
728 Harpers Creek Tyro, VA. 22976

Landowner – Printed Name, Title | Signature | Mailing Address

Thomas H. Fitzgerald

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott | Leonard Scott | 10647 Tidewater Trail, Champlain, VA 22438

Permittee – Authorized Representative Printed Name | Signature | Mailing Address

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

Permittee: Synagro County or City: NELSON

Landowner: Thomas H. Fitzgerald
Donna L. Fitzgerald

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).

Thomas H. Fitzgerald
Donna L. Fitzgerald 1-26-15

Landowner's Signature Date

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

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

A. This land application agreement is made on 10-15-12 between Minor Wilcox referred to here as "Landowner", and Synagro, 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 Nelson Co., Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
81-A-26A			

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

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

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

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

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

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

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

Minor Wilcox — Landowner – Printed Name, Title
Minor Wilcox — Signature
2256 Cabell Rd. — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

D. Steve McMahon — Permittee – Authorized Representative Printed Name
D. Steve McMahon — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

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

Permittee: Synagro County or City: Nelson Co.

Landowner: Minor Wilcox

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 Date Nov 16 - 12

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 2-5-15 between Kathleen M. Medvid referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A-13A			
90-A-19A			

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

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

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

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

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

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

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

Kathleen M. Medvid — Landowner – Printed Name, Title
Kathleen M. Medvid — Signature
3618 Noble Ave Richmond Va. 23222 — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Permittee – Authorized Representative Printed Name
Leonard Scott — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

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

Permittee: Synagro **County or City:** NELSON

Landowner: Kathleen M. Medwid et. al

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).

Kathleen M. Medwid 2-5-15

Landowner's Signature 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 3-20-15 between Rachel C. Dunn / Nathan A. Dunn referred to here as "Landowner", and Synagro, 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 Nelson, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A-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
X Yes ☐ No	X Yes ☐ No	X Yes ☐ No	X Yes ☐ No

NATHAN A. DUNN — Nathan A Dunn — Rachel C. Dunn — P.O. Box 2873 Richmond, VA. 23269
Landowner – Printed Name, Title — Signature — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Leonard Scott — 10647 Tidewater Trail, Champlain, VA 22438
Permittee – Authorized Representative Printed Name — Signature — Mailing Address

Rev 9/14/2012

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

Permittee: Synagro County or City: Nelson

Landowner: Nathan A. Dunn Rachel C. Dunn

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).

Nathan A. Dunn Rachel C. Dunn 3-20-15

Landowner's Signature Date

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

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

A. This land application agreement is made on 1-29-15 between Donald J. Willis, Patricia A. Willis referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A-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.

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

Donald J. Willis owner — Donald J. Willis, Patricia A. Willis — 1 Chukker Cove, Atlantic, NJ 07722
Landowner – Printed Name, Title — Signature — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Leonard Scott — 10647 Tidewater Trail, Champlain, VA 22438
Permittee – Authorized Representative Printed Name — Signature — Mailing Address

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

. ermittee: Synagro County or City: Nelson

Landowner: Patricia A. Willis

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).

Patricia A Willis 1-29-15

Landowner's Signature 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 2/2/15 between James A. Wood referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A-19	90-A-90		

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

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

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

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

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

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

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

James A Wood — Landowner – Printed Name, Title
James A. Wood — Signature
13485 Norwood Rd Wingina Va 24599 — Mailing Address

Permittee:

Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Permittee – Authorized Representative Printed Name
Leonard Scott — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

Rev 9/14/2012

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

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

A. This land application agreement is made on Feb. 2, 2015 between Nancy H. Wood referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A18			

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

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

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

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

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

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

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

Nancy H. Wood, owner — Landowner – Printed Name, Title
Nancy H. Wood — Signature
13349 Norwood Rd. Wingina, VA 24599 — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Permittee – Authorized Representative Printed Name
Leonard Scott — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

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

ɹrmittee: Synagro County or City: Nelson County

Landowner: Nancy H. Wood

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).

Nancy H. Wood — Feb. 2, 2015

Landowner's Signature — 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 2-2-15 between Jill L. Dunmire Trustee referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
90-A-7C			

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

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

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

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

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

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

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

Jill L. Dunmire Trustee — Jill L. Dunmire — 2528 Union Hill Drive, Wingina, VA 24599

Landowner – Printed Name, Title — Signature — Mailing Address

Permittee:
Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Leonard Scott — 10647 Tidewater Trail, Champlain, VA 22438

Permittee – Authorized Representative Printed Name — Signature — Mailing Address

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

Permittee: Synagro County or City: Nelson

Landowner: Jill L. Dunmire 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).

Jill L. Dunmire Trustee 2-2-15

Landowner's Signature Date

Rev 9/14/2012

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 1/19/2015 between JOHN SAUNDERS RUTH F. SAUNDERS referred to here as "Landowner", and Synagro, 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 NELSON, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) 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
65-A-101			

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

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

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

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

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

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

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

JOHN SAUNDERS — Landowner – Printed Name, Title
Ruth F. Saunders — Signature
3/8 SILVER CREEK ROAD TYRO VA — Mailing Address

Permittee:

Synagro, 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.

X I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Leonard Scott — Permittee – Authorized Representative Printed Name
Leonard Scott — Signature
10647 Tidewater Trail, Champlain, VA 22438 — Mailing Address

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

Permittee: Synagro **County or City:** NELSON

Landowner:

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;
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   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).

1/19/2015

Landowner's Signature Date

1/19/15

Field Number	Latitude (North)	Longitude (West)
06-02	37.678°	-78.715°
06-03	37.674°	-78.710°
06-04	37.677°	-78.711°
06-05	37.678°	-78.713°
06-06	37.680°	-78.711°
06-07	37.681°	-78.713°
06-08	37.677°	-78.706°
06-14	37.790°	-79.000°
06-15	37.701°	-78.977°
06-16	37.822°	-78.991°
06-18	37.646°	-78.717°
06-20	37.639°	-78.719°
06-21	37.637°	-78.725°
06-22	37.642°	-78.731°
06-23	37.642°	-78.733°
06-24	37.646°	-78.733°
06-25	37.643°	-78.737°
06-26	37.640°	-78.735°
06-27	37.639°	-78.736°
06-28	37.636°	-78.743°
06-35	37.730°	-78.972°
06-36	37.730°	-78.975°
06-37	37.729°	-78.977°

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.

TAX ID LANDOWNER IDENTIFICATION SHEET

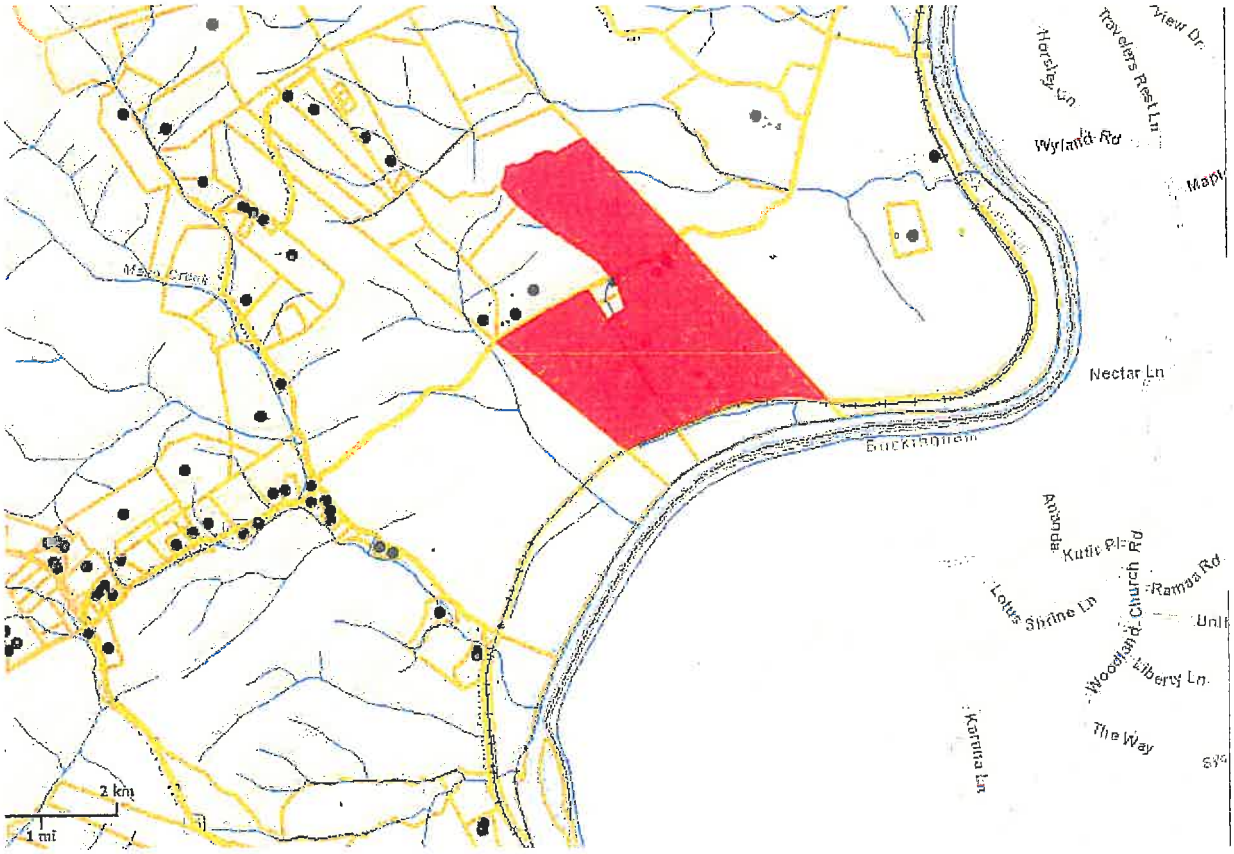
Landowner	Field Number	Tax ID
Minor Wilcox	06-02	81-A-26A
Minor Wilcox	06-03	81-A-26A
Minor Wilcox	06-04	81-A-26A
Minor Wilcox	06-05	81-A-26A
Minor Wilcox	06-06	81-A-26A
Minor Wilcox	06-07	81-A-26A
Minor Wilcox	06-08	81-A-26A
Thomas H & Emily V Fitzgerald	06-14	42-A-37A
Thomas H & Donna F. Fitzgerald	06-15	75-2-4
Thomas H Fitzgerald & Donna F.	06-16	42-A-14A
Nathan A & Rachel C Dunn	06-18	90-A-13
Donald J & Patricia A Willis	06-20	90-A-21
James A. Wood Sr.	06-21	90-A-19, 90-A-90
Kathleen M & Others Medwid		90-A-19A
Nancy H. Wood		90-A-18
Nancy H. Wood	06-22	90-A-18
Nancy H. Wood	06-23	90-A-18
Nancy H. Wood	06-24	90-A-18
Nancy H. Wood	06-25	90-A-18
Nancy H. Wood	06-26	90-A-18
Nancy H. Wood	06-27	90-A-18
Jill L. Dunmire	06-28	90-A-7C
John T & Ruth F Saunders	06-35	65-A-101
John T & Ruth F Saunders	06-36	65-A-101
John T & Ruth F Saunders	06-37	65-A-101

Revised 06-30-2016

SYNAGRO

THOMAS H FITZGERALD
NE 06
FIELDS 2 - 8

81-A-26 A

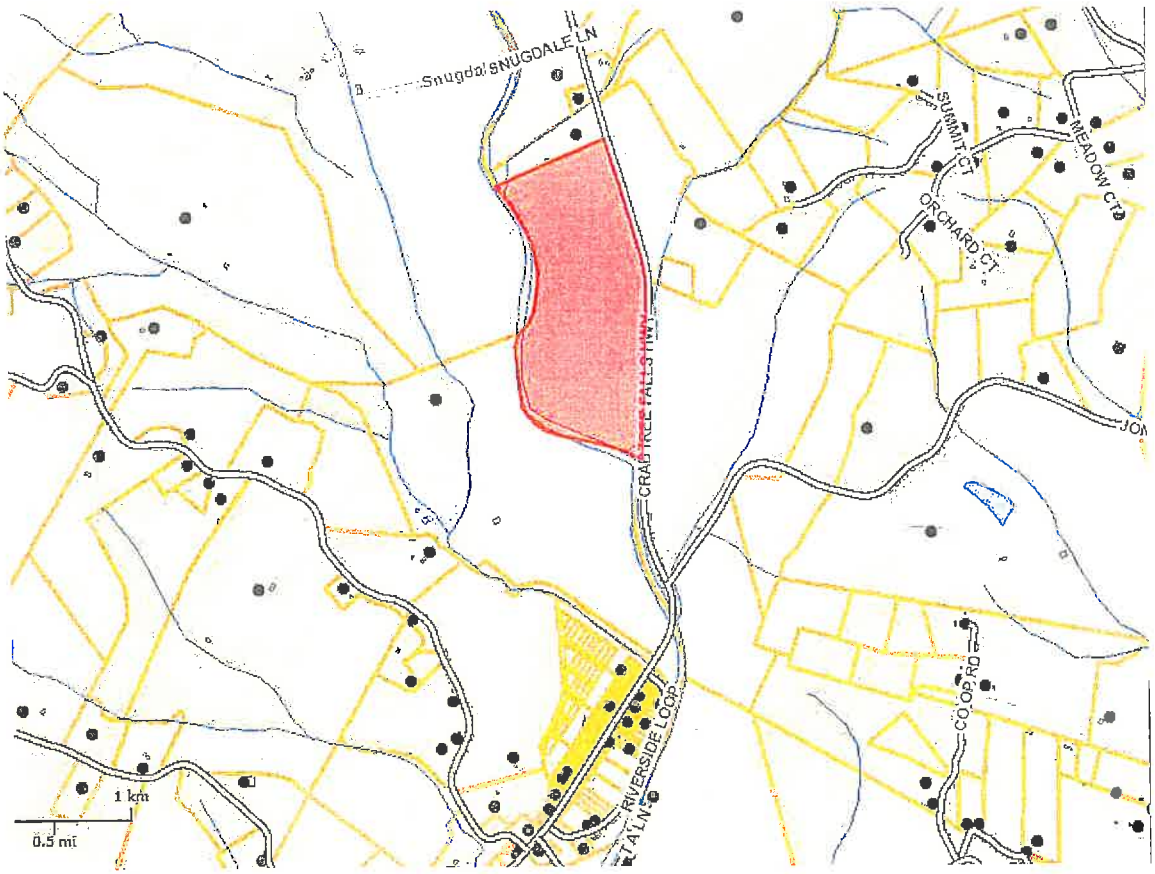


TAX MAP

SYNAGRO

THOMAS H FITZGERA
NE 06
FIELD 14

42-A-37A



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TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELD 15

75-2-4

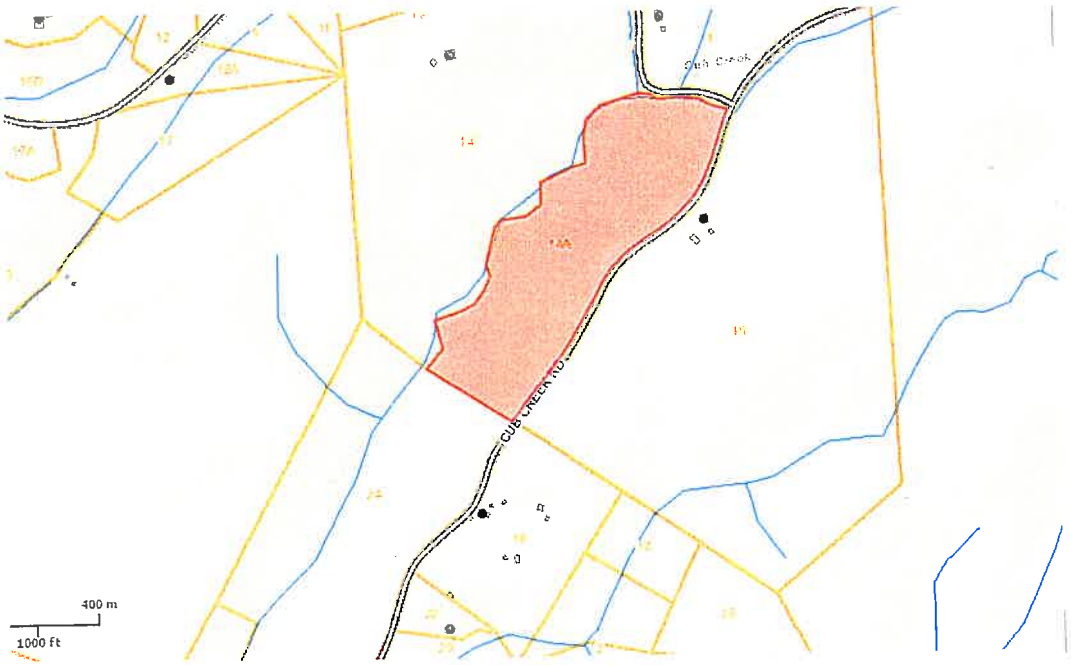
N

TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELD 16

42-A-14A



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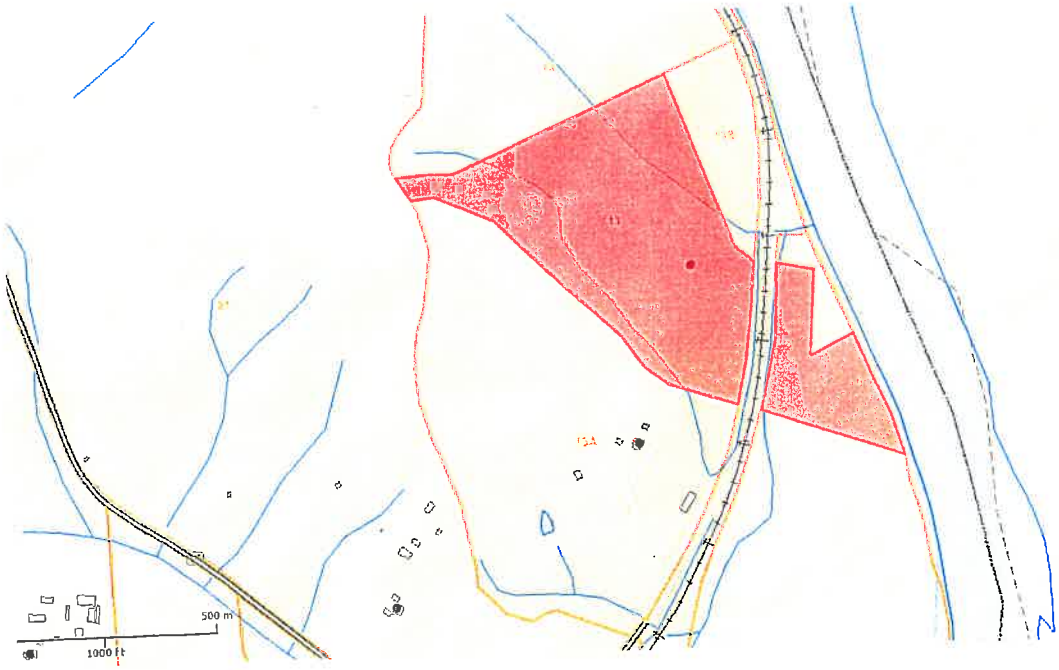
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELDS 17-18

90-A-13A



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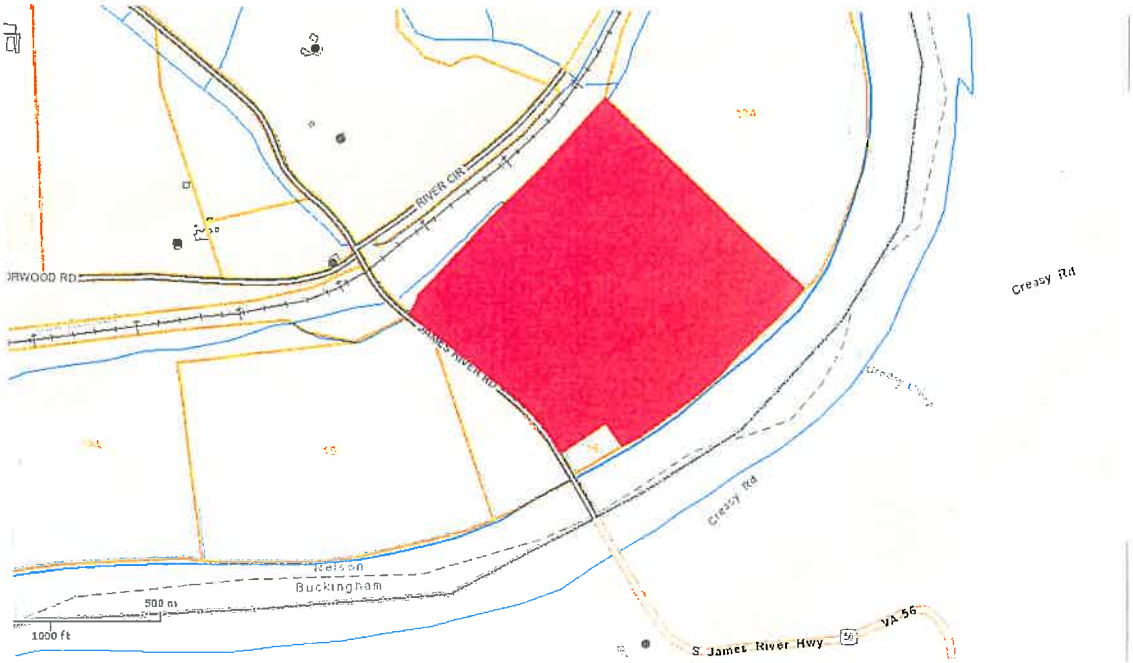
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELD 20

90-A-21



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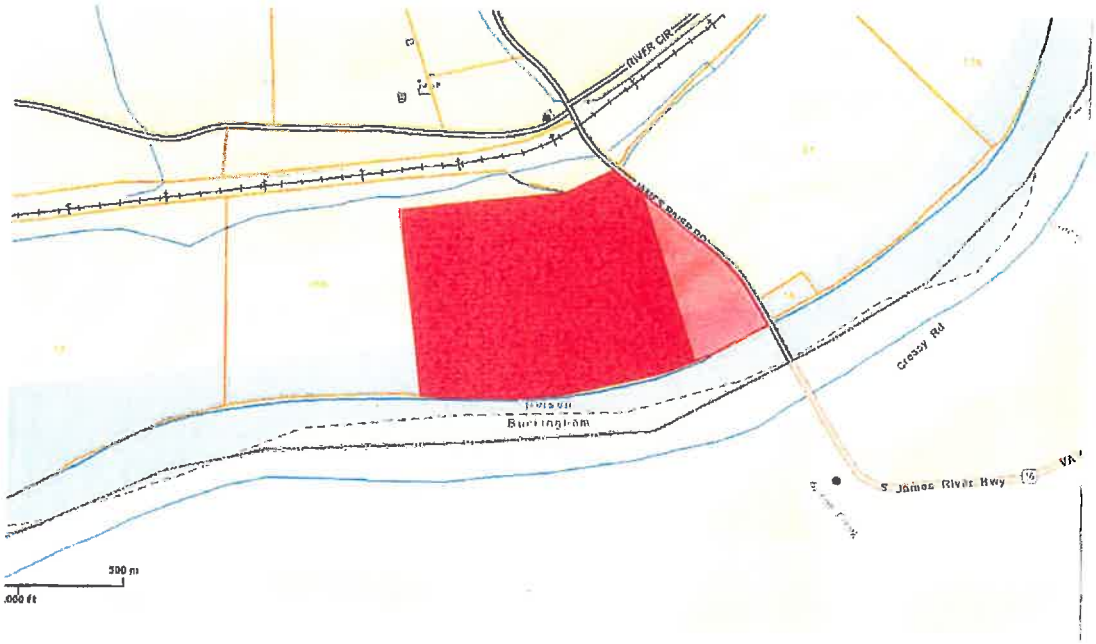
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELD 21

90-A-19,90-A-90



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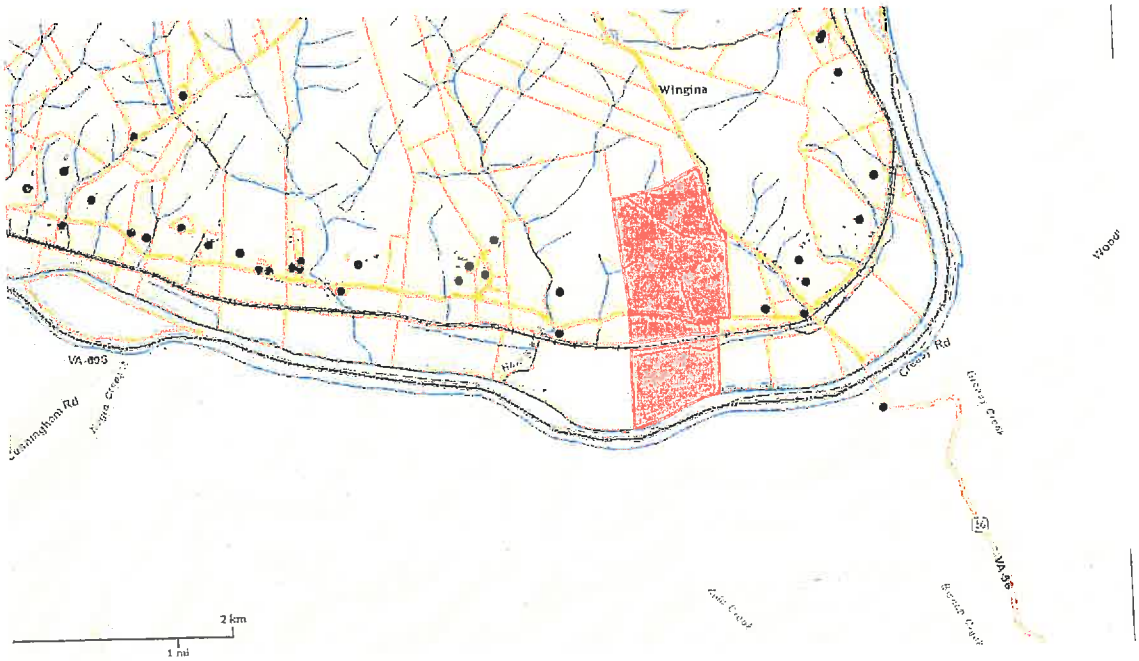
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELDS 21-27

90-A-18



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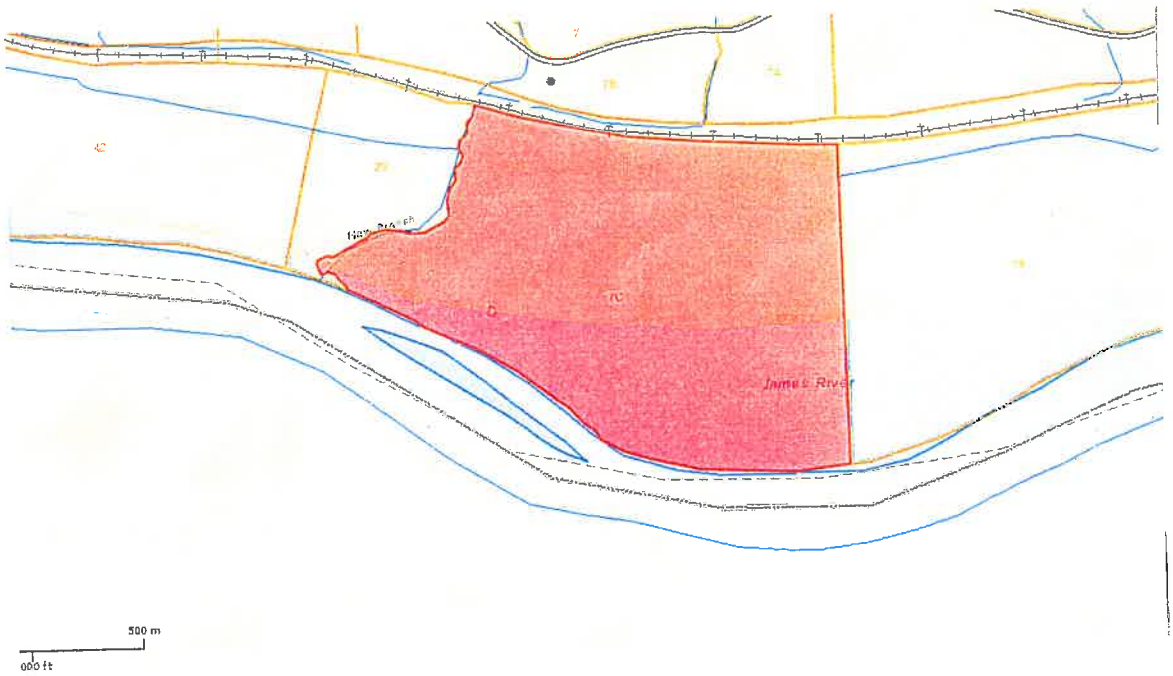
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELD 28

90-A-7C



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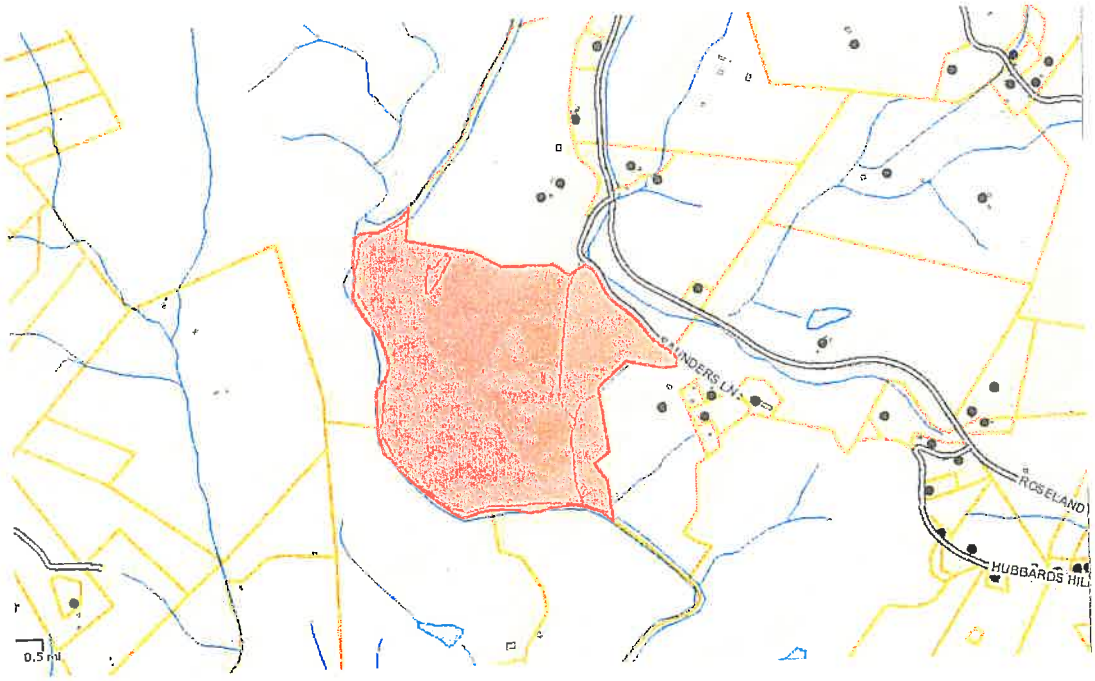
TAX MAP

SYNAGRO

THOMAS H FITZGERALD
NE 6
FIELDS 35-37

65-A-101



N

TAX MAP

Farm Summary Report

Plan: **New Plan** **Spring, 2014 - Winter, 2015**

Farm Name: **NE 06**
Location: Nelson
Specialist: Steve McMahon
N-based Acres: 394.8
P-based Acres: 0.0

Tract Name: **NE 06**
FSA Number: 0
Location: Nelson

Field Name: **02**
Total Acres: 67.80 Usable Acres: 65.60
FSA Number: 0
Tract: NE 06
Location: Nelson
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

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
48	49B	Unison
27	49C	Unison
25	12B	Delanco

Field Warnings:

Field Name: **03**
Total Acres: 22.30 Usable Acres: 21.40
FSA Number: 0
Tract: NE 06
Location: Nelson
Slope Class: A Hydrologic Group: D

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL		SOIL SERIES
53	51A		Wingina
31	2A		Batteau
16	12	B	Delanco

Field Warnings:

Field Name: 04
Total Acres: 14.70 Usable Acres: 14.70
FSA Number: 0
Tract: NE 06
Location: Nelson
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

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
82	49B	Unison
18	12B	Delanco

Field Warnings:

Field Name: **05**
Total Acres: 4.20 Usable Acres: 4.10
FSA Number: 0
Tract: NE 06
Location: Nelson
Slope Class: B Hydrologic Group: D

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
100	12B	Delanco

Field Warnings:

Field Name: **06**
Total Acres: 20.10 Usable Acres: 20.10
FSA Number: 0
Tract: NE 06
Location: Nelson
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

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
95	52B	Wintergreen
5	12B	Delanco

Field Warnings:

Field Name: **07**
Total Acres: 13.80 Usable Acres: 13.40
FSA Number: 0
Tract: NE 06
Location: Nelson
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

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
75	5C	Bugley
25	31C	Littlejoe

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: **08**
Total Acres: 11.10 Usable Acres: 11.10
FSA Number: 0
Tract: NE 06
Location: Nelson
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

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
88	49B	Unison
6	49C	Unison
6	12B	Delanco

Field Warnings:

Field Name: **14**
Total Acres: 41.40 Usable Acres: 39.40
FSA Number: 0
Tract: NE 06
Location: Nelson
Slope Class: A Hydrologic Group: D

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

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

%slope: 0.0 Slope Len: 0. R factor: 0.0 K factor: 0.0
T factor: 0.0 P factor: 1.0 Cmax: 0.000 Erosion: 0.0 tons/acre

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
70	11A	Craigsville
30	10A	Colvard

Field Warnings:
Environmentally Sensitive Soils due to:

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

ENVIRONMENTALLY SENSITIVE AREAS

Field	Reason for Sensitive Area
06-02	High Water Table (Map Unit 12B -25%)
06-03	High Water Table (Map Units 2A, 12B - 47%)
06-04	High Water Table (Map Unit 12B - 18%)
06-05	High Water Table (Map Unit 12B - 100%)
06-06	High Water Table (Map Unit 12B - 5%)
06-07	Shallow Soils (Map Unit 5C - 75%)
06-08	High Water Table (Map Unit 12B - 6%)
06-14	Flooded Soils (Map Unit 11A - 70%) Leaching Potential (Map Units 10A, 11A - 100%)
06-15	Flooded Soils (Map Unit 11A - 3%) Leaching Potential (Map Units 10A, 11A - 8%)
06-16	Flooded Soils (Map Unit 11A - 100%) Leaching Potential (Map Unit 11A - 100%)
06-18	High Water Table (Map Unit 2A - 50%)
06-20	High Water Table (Map Unit 2A - 30%) Leaching Potential (Map Unit 19A - 60%)
06-21	High Water Table (Map Unit 2A - 30%) Leaching Potential (Map Unit 19A - 50%)
06-22	None
06-23	None
06-24	Shallow Soils (Map Unit 5E - 2%)
06-25	None
06-26	Shallow Soils (Map Unit 5C - 90%)

06-27	High Water Table (Map Unit 12B - 50%)
06-28	High Water Table (Map Units 2A, 55A - 20%) Leaching Potential (Map Unit 19A - 40%)
06-35	None
06-36	None
06-37	High Water Table (Map Unit 8A - 5%) Leaching Soils (Map Unit 10A - 10%)

Nelson County Soils that are Environmentally Sensitive

Soil Map Unit	Series Name	Time of year		Environmental
		High Water	**Flooded**	
2A	Batteau	Nov-March		
3B	Belvoir	Dec-April		
5C, 5D, 5E	Bugley			Shallow
7B	Chatuge	Dec-May		
8A	Codorus	Nov-April		
10A	Colvard			Leaching
11A	Craigsville		Nov-May	Leaching
12B, 12C	Delanco	Dec-April		
19A	Galtsmill			Leaching
21A	Hatboro	Oct-May	Nov-May	Drainage
25C, 25D, 25E	Hazel			Shallow
26D, 26E	Hazel			Shallow
27B, 27C	Jackland	Jan-April		
28B, 29B, 30C	Lew			Leaching
36D, 36E	Peaks			Shallow
37A	Pineywoods	Nov-March		
44C, 44D, 44E	Sylco			Shallow
45E, 45F	Sylvatus			Shallow
55A	Yogaville	Dec-May		

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	13.6	11.7%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	4.8	4.2%
12B	Delanco loam, 2 to 7 percent slopes	24.5	21.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	1.4	1.2%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	5.4	4.7%
49B	Unison loam, 2 to 7 percent slopes	32.8	28.2%
49C	Unison loam, 7 to 15 percent slopes	15.7	13.5%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	14.1	12.1%
W	Water	3.8	3.2%
Totals for Area of Interest		**116.2**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	0.7	0.7%
5C	Bugley channery silt loam, 7 to 15 percent slopes	4.7	4.5%
5D	Bugley channery silt loam, 15 to 25 percent slopes	10.0	9.7%
5E	Bugley channery silt loam, 25 to 50 percent slopes	2.9	2.9%
12B	Delanco loam, 2 to 7 percent slopes	21.5	20.9%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	7.0	6.8%
31B	Littlejoe silt loam, 2 to 7 percent slopes	0.5	0.5%
31C	Littlejoe silt loam, 7 to 15 percent slopes	4.4	4.3%
49B	Unison loam, 2 to 7 percent slopes	24.0	23.3%
49C	Unison loam, 7 to 15 percent slopes	6.0	5.8%
52B	Wintergreen loam, 2 to 7 percent slopes	21.1	20.5%
Totals for Area of Interest		**102.8**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	0.9	0.9%
5C	Bugley channery silt loam, 7 to 15 percent slopes	4.8	4.5%
5D	Bugley channery silt loam, 15 to 25 percent slopes	10.1	9.5%
5E	Bugley channery silt loam, 25 to 50 percent slopes	2.7	2.6%
12B	Delanco loam, 2 to 7 percent slopes	21.4	20.1%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	7.1	6.7%
31B	Littlejoe silt loam, 2 to 7 percent slopes	0.6	0.6%
31C	Littlejoe silt loam, 7 to 15 percent slopes	6.3	5.9%
49B	Unison loam, 2 to 7 percent slopes	24.7	23.2%
49C	Unison loam, 7 to 15 percent slopes	6.2	5.9%
52B	Wintergreen loam, 2 to 7 percent slopes	21.4	20.1%
Totals for Area of Interest		**106.4**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5D	Bugley channery silt loam, 15 to 25 percent slopes	1.4	0.4%
5E	Bugley channery silt loam, 25 to 50 percent slopes	16.5	4.1%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	7.5	1.9%
12B	Delanco loam, 2 to 7 percent slopes	27.0	6.7%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	2.5	0.6%
49B	Unison loam, 2 to 7 percent slopes	28.7	7.1%
49C	Unison loam, 7 to 15 percent slopes	48.7	12.1%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	64.1	15.9%
52B	Wintergreen loam, 2 to 7 percent slopes	115.5	28.7%
52C	Wintergreen loam, 7 to 15 percent slopes	89.7	22.3%
W	Water	0.3	0.1%
Totals for Area of Interest		**401.9**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	0.1	0.1%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	12.1	29.1%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	29.5	70.7%
W	Water	0.0	0.1%
Totals for Area of Interest		**41.7**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	6.5	7.8%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	2.7	3.2%
17B	Elsinboro loam, 2 to 7 percent slopes, rarely flooded	0.3	0.4%
22C	Hayesville loam, 7 to 15 percent slopes	0.1	0.1%
23C	Hayesville clay loam, 7 to 15 percent slopes, severely eroded	30.2	36.2%
23D	Hayesville clay loam, 15 to 25 percent slopes, severely eroded	13.4	16.0%
23E	Hayesville clay loam, 25 to 50 percent slopes, severely eroded	1.0	1.2%
34E	Occoquan loam, 25 to 50 percent slopes	8.2	9.8%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	1.5	1.8%
49B	Unison loam, 2 to 7 percent slopes	4.4	5.3%
49C	Unison loam, 7 to 15 percent slopes	3.4	4.0%
53B	Wintergreen clay loam, 2 to 7 percent slopes, severely eroded	8.6	10.3%
53D	Wintergreen clay loam, 15 to 25 percent slopes, severely eroded	2.9	3.5%
W	Water	0.3	0.4%
Totals for Area of Interest		**83.4**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	19.9	100.0%
Totals for Area of Interest		**19.9**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	37.0	23.9%
5C	Bugley channery silt loam, 7 to 15 percent slopes	4.7	3.1%
5D	Bugley channery silt loam, 15 to 25 percent slopes	5.2	3.3%
5E	Bugley channery silt loam, 25 to 50 percent slopes	7.9	5.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	31.5	20.4%
31B	Littlejoe silt loam, 2 to 7 percent slopes	0.0	0.0%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	29.7	19.2%
52B	Wintergreen loam, 2 to 7 percent slopes	13.3	8.6%
52C	Wintergreen loam, 7 to 15 percent slopes	11.5	7.4%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	13.9	9.0%
Totals for Area of Interest		**154.8**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	55.7	12.5%
3B	Belvoir sandy loam, 2 to 7 percent slopes	2.0	0.4%
4D	Buffstat silt loam, 15 to 25 percent slopes	14.1	3.2%
5C	Bugley channery silt loam, 7 to 15 percent slopes	6.2	1.4%
5D	Bugley channery silt loam, 15 to 25 percent slopes	7.8	1.8%
5E	Bugley channery silt loam, 25 to 50 percent slopes	6.4	1.4%
12B	Delanco loam, 2 to 7 percent slopes	12.4	2.8%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	73.3	16.4%
49C	Unison loam, 7 to 15 percent slopes	15.3	3.4%
49D	Unison loam, 15 to 25 percent slopes	0.4	0.1%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	67.3	15.1%
52B	Wintergreen loam, 2 to 7 percent slopes	63.0	14.1%
52C	Wintergreen loam, 7 to 15 percent slopes	62.9	14.1%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	60.0	13.4%
Totals for Area of Interest		**446.8**	**100.0%**

Map Unit Legend

Nelson County, Virginia (VA125)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	3.1	2.6%
9C	Colleen gravelly loam, 7 to 15 percent slopes	16.0	13.3%
9D	Colleen gravelly loam, 15 to 25 percent slopes	27.8	23.3%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	21.8	18.2%
12B	Delanco loam, 2 to 7 percent slopes	7.9	6.6%
22D	Hayesville loam, 15 to 25 percent slopes	0.9	0.8%
42D	Spriggs loam, 15 to 25 percent slopes, very stony	0.0	0.0%
42E	Spriggs loam, 25 to 50 percent slopes, very stony	1.1	0.9%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	31.9	26.7%
52B	Wintergreen loam, 2 to 7 percent slopes	6.0	5.1%
52C	Wintergreen loam, 7 to 15 percent slopes	3.0	2.5%
Totals for Area of Interest		**119.6**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	>200	13.6	11.7%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	>200	4.8	4.2%
12B	Delanco loam, 2 to 7 percent slopes	>200	24.5	21.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	1.4	1.2%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	>200	5.4	4.7%
49B	Unison loam, 2 to 7 percent slopes	>200	32.8	28.2%
49C	Unison loam, 7 to 15 percent slopes	>200	15.7	13.5%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	>200	14.1	12.1%
W	Water	>200	3.8	3.2%
Totals for Area of Interest			**116.2**	**100.0%**

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	>200	0.7	0.7%
5C	Bugley channery silt loam, 7 to 15 percent slopes	33	4.7	4.5%
5D	Bugley channery silt loam, 15 to 25 percent slopes	33	10.0	9.7%
5E	Bugley channery silt loam, 25 to 50 percent slopes	33	2.9	2.9%
12B	Delanco loam, 2 to 7 percent slopes	>200	21.5	20.9%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	>200	7.0	6.8%
31B	Littlejoe silt loam, 2 to 7 percent slopes	104	0.5	0.5%
31C	Littlejoe silt loam, 7 to 15 percent slopes	104	4.4	4.3%
49B	Unison loam, 2 to 7 percent slopes	>200	24.0	23.3%
49C	Unison loam, 7 to 15 percent slopes	>200	6.0	5.8%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	21.1	20.5%
Totals for Area of Interest			**102.8**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
5D	Bugley channery silt loam, 15 to 25 percent slopes	33	1.4	0.4%
5E	Bugley channery silt loam, 25 to 50 percent slopes	33	16.5	4.1%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	>200	7.5	1.9%
12B	Delanco loam, 2 to 7 percent slopes	>200	27.0	6.7%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	2.5	0.6%
49B	Unison loam, 2 to 7 percent slopes	>200	28.7	7.1%
49C	Unison loam, 7 to 15 percent slopes	>200	48.7	12.1%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	>200	64.1	15.9%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	115.5	28.7%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	89.7	22.3%
W	Water	>200	0.3	0.1%
Totals for Area of Interest			**401.9**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	>200	0.1	0.1%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	12.1	29.1%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	29.5	70.7%
W	Water	>200	0.0	0.1%
Totals for Area of Interest			**41.7**	**100.0%**

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	6.5	7.8%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	2.7	3.2%
17B	Elsinboro loam, 2 to 7 percent slopes, rarely flooded	>200	0.3	0.4%
22C	Hayesville loam, 7 to 15 percent slopes	>200	0.1	0.1%
23C	Hayesville clay loam, 7 to 15 percent slopes, severely eroded	>200	30.2	36.2%
23D	Hayesville clay loam, 15 to 25 percent slopes, severely eroded	>200	13.4	16.0%
23E	Hayesville clay loam, 25 to 50 percent slopes, severely eroded	>200	1.0	1.2%
34E	Occoquan loam, 25 to 50 percent slopes	104	8.2	9.8%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	>200	1.5	1.8%
49B	Unison loam, 2 to 7 percent slopes	>200	4.4	5.3%
49C	Unison loam, 7 to 15 percent slopes	>200	3.4	4.0%
53B	Wintergreen clay loam, 2 to 7 percent slopes, severely eroded	>200	8.6	10.3%
53D	Wintergreen clay loam, 15 to 25 percent slopes, severely eroded	>200	2.9	3.5%
W	Water	>200	0.3	0.4%
Totals for Area of Interest			**83.4**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	19.9	100.0%
Totals for Area of Interest			**19.9**	**100.0%**

Description

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	>200	37.0	23.9%
5C	Bugley channery silt loam, 7 to 15 percent slopes	33	4.7	3.1%
5D	Bugley channery silt loam, 15 to 25 percent slopes	33	5.2	3.3%
5E	Bugley channery silt loam, 25 to 50 percent slopes	33	7.9	5.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	31.5	20.4%
31B	Littlejoe silt loam, 2 to 7 percent slopes	104	0.0	0.0%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	>200	29.7	19.2%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	13.3	8.6%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	11.5	7.4%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	>200	13.9	9.0%
Totals for Area of Interest			**154.8**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	>200	55.8	12.5%
3B	Belvoir sandy loam, 2 to 7 percent slopes	64	1.6	0.4%
4D	Buffstat silt loam, 15 to 25 percent slopes	107	14.1	3.2%
5C	Bugley channery silt loam, 7 to 15 percent slopes	33	6.2	1.4%
5D	Bugley channery silt loam, 15 to 25 percent slopes	33	8.1	1.8%
5E	Bugley channery silt loam, 25 to 50 percent slopes	33	7.9	1.8%
12B	Delanco loam, 2 to 7 percent slopes	>200	13.0	2.9%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	68.9	15.4%
49C	Unison loam, 7 to 15 percent slopes	>200	15.1	3.4%
49D	Unison loam, 15 to 25 percent slopes	>200	0.2	0.0%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	>200	67.5	15.1%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	63.6	14.2%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	62.9	14.1%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	>200	61.6	13.8%
W	Water	>200	0.4	0.1%
Totals for Area of Interest			**446.9**	**100.0%**

Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	>200	3.1	2.6%
9C	Colleen gravelly loam, 7 to 15 percent slopes	>200	16.0	13.3%
9D	Colleen gravelly loam, 15 to 25 percent slopes	>200	27.8	23.3%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	21.8	18.2%
12B	Delanco loam, 2 to 7 percent slopes	>200	7.9	6.6%
22D	Hayesville loam, 15 to 25 percent slopes	>200	0.9	0.8%
42D	Spriggs loam, 15 to 25 percent slopes, very stony	51	0.0	0.0%
42E	Spriggs loam, 25 to 50 percent slopes, very stony	51	1.1	0.9%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	>200	31.9	26.7%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	6.0	5.1%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	3.0	2.5%
Totals for Area of Interest			**119.6**	**100.0%**

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	153	6.5	7.8%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	2.7	3.2%
17B	Elsinboro loam, 2 to 7 percent slopes, rarely flooded	152	0.3	0.4%
22C	Hayesville loam, 7 to 15 percent slopes	>200	0.1	0.1%
23C	Hayesville clay loam, 7 to 15 percent slopes, severely eroded	>200	30.2	36.2%
23D	Hayesville clay loam, 15 to 25 percent slopes, severely eroded	>200	13.4	16.0%
23E	Hayesville clay loam, 25 to 50 percent slopes, severely eroded	>200	1.0	1.2%
34E	Occoquan loam, 25 to 50 percent slopes	>200	8.2	9.8%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	99	1.5	1.8%
49B	Unison loam, 2 to 7 percent slopes	>200	4.4	5.3%
49C	Unison loam, 7 to 15 percent slopes	>200	3.4	4.0%
53B	Wintergreen clay loam, 2 to 7 percent slopes, severely eroded	>200	8.6	10.3%
53D	Wintergreen clay loam, 15 to 25 percent slopes, severely eroded	>200	2.9	3.5%
W	Water	>200	0.3	0.4%
Totals for Area of Interest			**83.4**	**100.0%**

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	19.9	100.0%
Totals for Area of Interest			**19.9**	**100.0%**

Description

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Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	40	37.0	23.9%
5C	Bugley channery silt loam, 7 to 15 percent slopes	>200	4.7	3.1%
5D	Bugley channery silt loam, 15 to 25 percent slopes	>200	5.2	3.3%
5E	Bugley channery silt loam, 25 to 50 percent slopes	>200	7.9	5.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	31.5	20.4%
31B	Littlejoe silt loam, 2 to 7 percent slopes	>200	0.0	0.0%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	122	29.7	19.2%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	13.3	8.6%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	11.5	7.4%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	15	13.9	9.0%
Totals for Area of Interest			**154.8**	**100.0%**

Description

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Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	40	55.8	12.5%
3B	Belvoir sandy loam, 2 to 7 percent slopes	46	1.6	0.4%
4D	Buffstat silt loam, 15 to 25 percent slopes	>200	14.1	3.2%
5C	Bugley channery silt loam, 7 to 15 percent slopes	>200	6.2	1.4%
5D	Bugley channery silt loam, 15 to 25 percent slopes	>200	8.1	1.8%
5E	Bugley channery silt loam, 25 to 50 percent slopes	>200	7.9	1.8%
12B	Delanco loam, 2 to 7 percent slopes	53	13.0	2.9%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	68.9	15.4%
49C	Unison loam, 7 to 15 percent slopes	>200	15.1	3.4%
49D	Unison loam, 15 to 25 percent slopes	>200	0.2	0.0%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	122	67.5	15.1%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	63.6	14.2%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	62.9	14.1%
55A	Yogaville loam, 0 to 2 percent slopes, occasionally flooded	15	61.6	13.8%
W	Water	>200	0.4	0.1%
Totals for Area of Interest			**446.9**	**100.0%**

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	46	3.1	2.6%
9C	Colleen gravelly loam, 7 to 15 percent slopes	>200	16.0	13.3%
9D	Colleen gravelly loam, 15 to 25 percent slopes	>200	27.8	23.3%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	153	21.8	18.2%
12B	Delanco loam, 2 to 7 percent slopes	53	7.9	6.6%
22D	Hayesville loam, 15 to 25 percent slopes	>200	0.9	0.8%
42D	Spriggs loam, 15 to 25 percent slopes, very stony	>200	0.0	0.0%
42E	Spriggs loam, 25 to 50 percent slopes, very stony	>200	1.1	0.9%
43A	Suches loam, 0 to 2 percent slopes, frequently flooded	99	31.9	26.7%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	6.0	5.1%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	3.0	2.5%
Totals for Area of Interest			**119.6**	**100.0%**

Description

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This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	40	13.6	11.7%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	46	4.8	4.2%
12B	Delanco loam, 2 to 7 percent slopes	53	24.5	21.1%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	1.4	1.2%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	8	5.4	4.7%
49B	Unison loam, 2 to 7 percent slopes	>200	32.8	28.2%
49C	Unison loam, 7 to 15 percent slopes	>200	15.7	13.5%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	122	14.1	12.1%
W	Water	>200	3.8	3.2%
Totals for Area of Interest			**116.2**	**100.0%**

Description

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Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
2A	Batteau loam, 0 to 2 percent slopes, occasionally flooded	40	0.9	0.9%
5C	Bugley channery silt loam, 7 to 15 percent slopes	>200	4.8	4.5%
5D	Bugley channery silt loam, 15 to 25 percent slopes	>200	10.1	9.5%
5E	Bugley channery silt loam, 25 to 50 percent slopes	>200	2.7	2.6%
12B	Delanco loam, 2 to 7 percent slopes	53	21.4	20.1%
21A	Hatboro loam, 0 to 2 percent slopes, frequently flooded	8	7.1	6.7%
31B	Littlejoe silt loam, 2 to 7 percent slopes	>200	0.6	0.6%
31C	Littlejoe silt loam, 7 to 15 percent slopes	>200	6.3	5.9%
49B	Unison loam, 2 to 7 percent slopes	>200	24.7	23.2%
49C	Unison loam, 7 to 15 percent slopes	>200	6.2	5.9%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	21.4	20.1%
Totals for Area of Interest			**106.4**	**100.0%**

Description

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This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
5D	Bugley channery silt loam, 15 to 25 percent slopes	>200	1.4	0.4%
5E	Bugley channery silt loam, 25 to 50 percent slopes	>200	16.5	4.1%
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	46	7.5	1.9%
12B	Delanco loam, 2 to 7 percent slopes	53	27.0	6.7%
19A	Galtsmill fine sandy loam, 0 to 2 percent slopes, occasionally flooded	>200	2.5	0.6%
49B	Unison loam, 2 to 7 percent slopes	>200	28.7	7.1%
49C	Unison loam, 7 to 15 percent slopes	>200	48.7	12.1%
51A	Wingina loam, 0 to 2 percent slopes, occasionally flooded	122	64.1	15.9%
52B	Wintergreen loam, 2 to 7 percent slopes	>200	115.5	28.7%
52C	Wintergreen loam, 7 to 15 percent slopes	>200	89.7	22.3%
W	Water	>200	0.3	0.1%
Totals for Area of Interest			**401.9**	**100.0%**

Description

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Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	46	0.1	0.1%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	153	12.1	29.1%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	29.5	70.7%
W	Water	>200	0.0	0.1%
Totals for Area of Interest			**41.7**	**100.0%**

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nelson County, Virginia (VA125)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
8A	Codorus silt loam, 0 to 2 percent slopes, occasionally flooded	46	0.1	0.1%
10A	Colvard fine sandy loam, 0 to 2 percent slopes, occasionally flooded	153	12.1	29.1%
11A	Craigsville very cobbly loam, 0 to 2 percent slopes, frequently flooded	>200	29.5	70.7%
W	Water	>200	0.0	0.1%
Totals for Area of Interest			**41.7**	**100.0%**

Description

"Water table" refers to a saturated zone in the soil. It occurs during specified months. Estimates of the upper limit are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely grayish colors (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

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Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

Ending Month: December

MAP LEGEND

House/Dwelling with a well -200' buffer-dwelling (with conditions for reduction); 100' buffer-well

Rock Outcrop – 25'/ limestone 50'

Well – 100'

Lake/Pond – 35' w/vegetative buffer; 100' without vegetative buffer.

Slope which exceeds 15%

Non-application area – buffers such as streams, house, wells, etc.

Intermittent Stream - 35' w/vegetative buffer; 100' without vegetative buffer.

Stream/River - 35' w/vegetative buffer; 100' without vegetative buffer.

Agricultural/Drainage Ditch – 10'

Field boundary

Property Line – (Standard 100' Buffer, unless waiver issued)

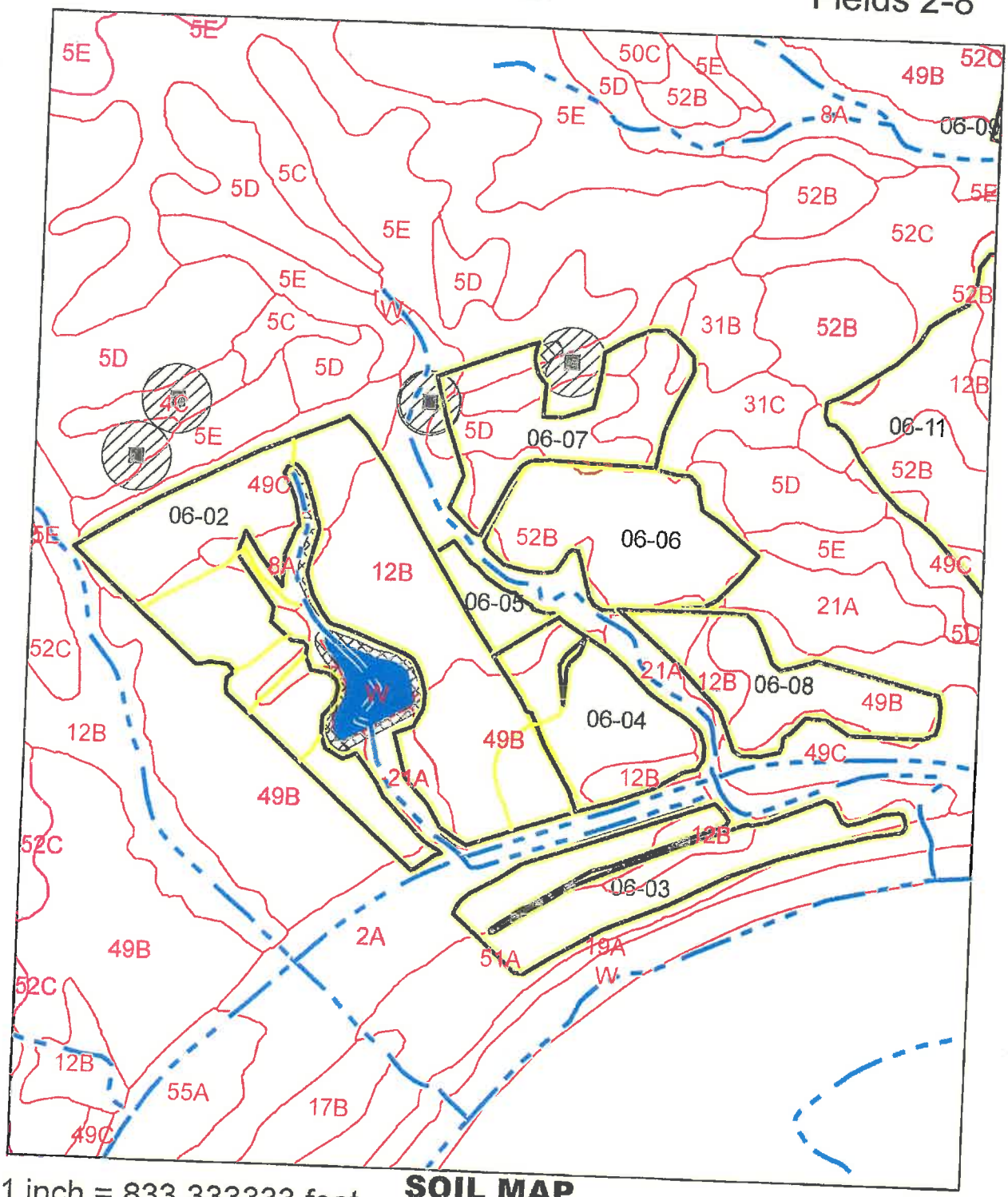
"PAS" – Publicly Accessible Site – Standard 200' buffer & possible 400' for odor sensitive receptors

Revised: March 2016

SYNAGRO

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 2-8



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1 inch = 833.333333 feet

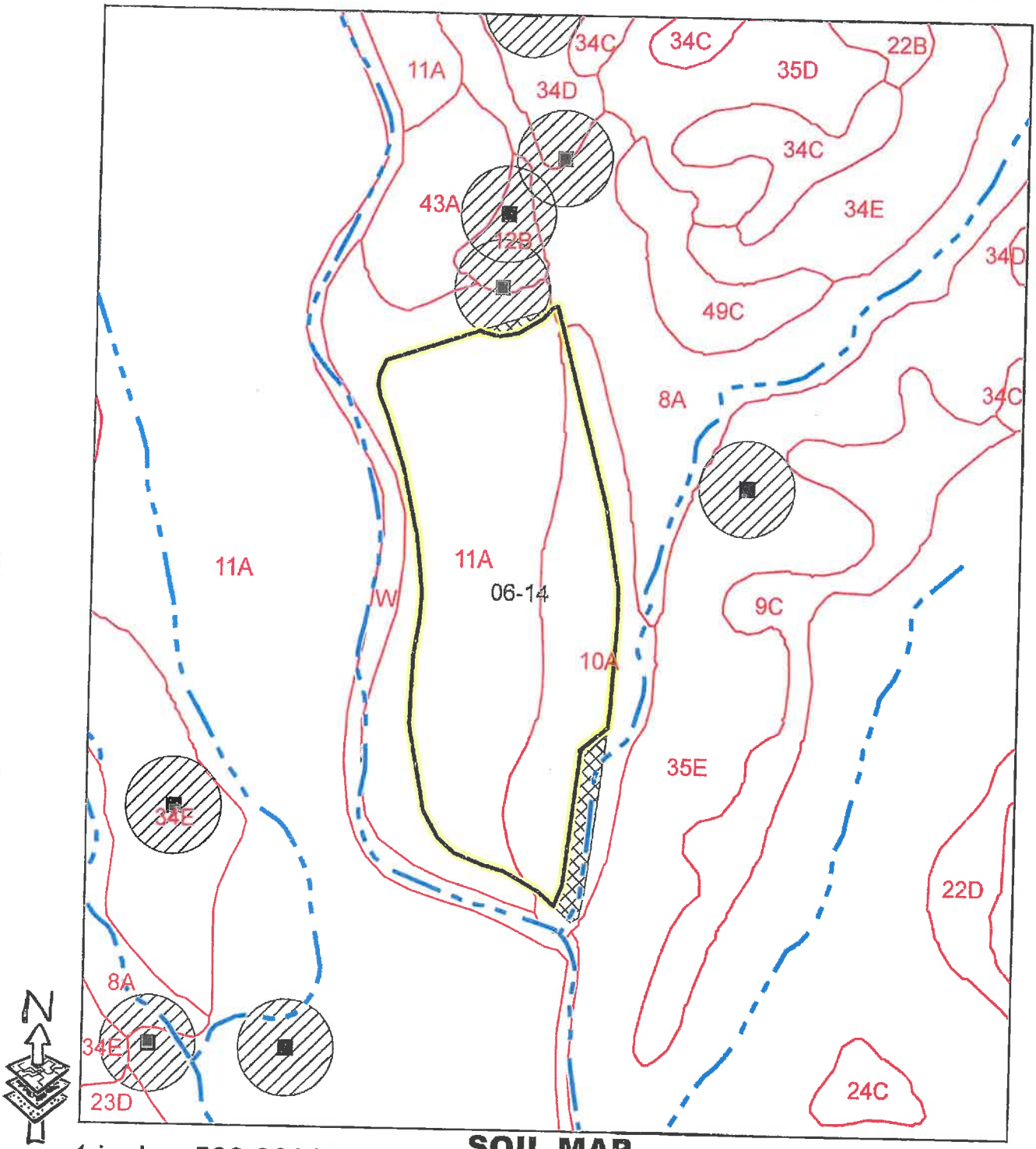
SOIL MAP

1:10,000

REVISED 2/24/16

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 14



1 inch = 583.333333 feet

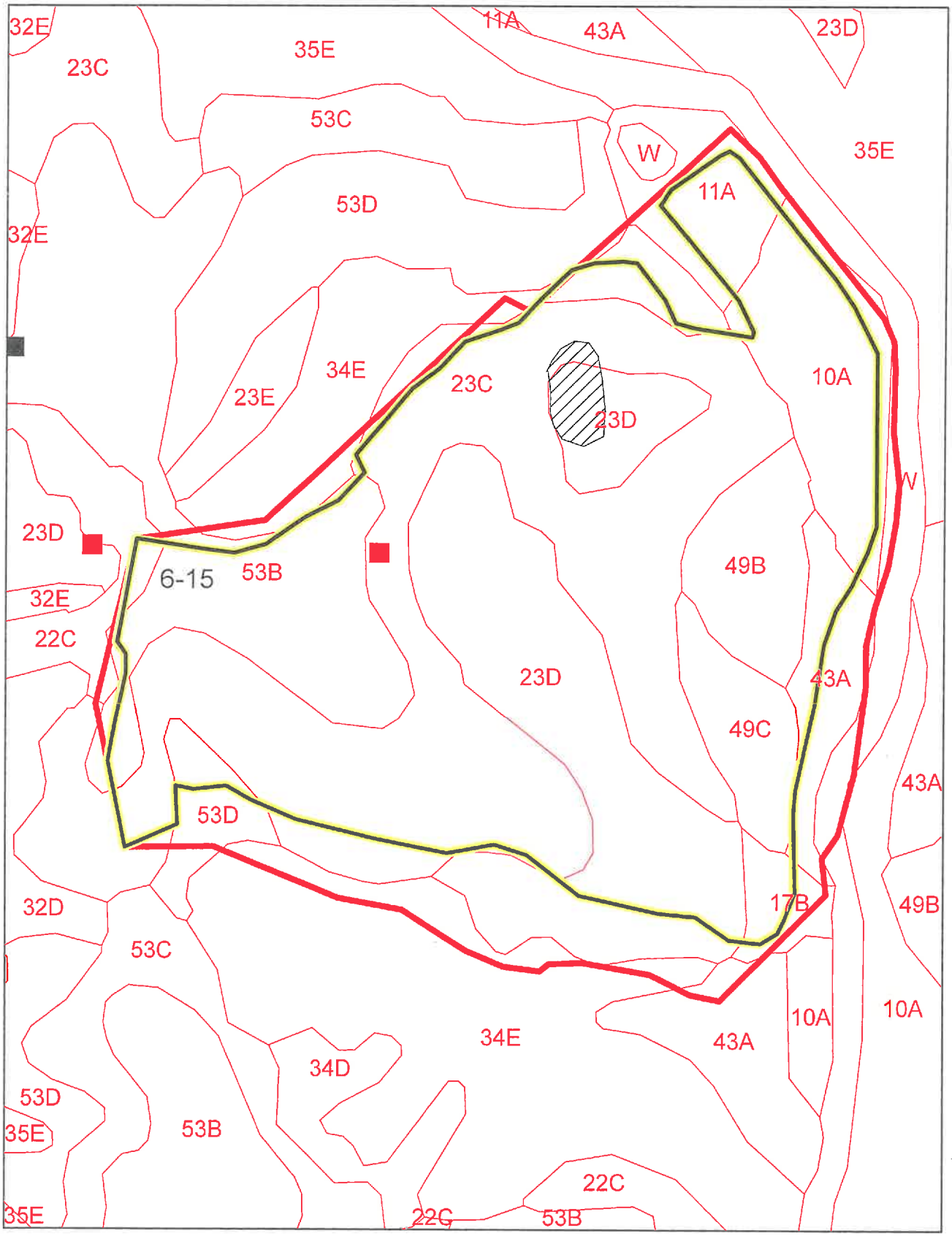
SOIL MAP

1:7,000

REVISED 2/24/16

SYNAGRO

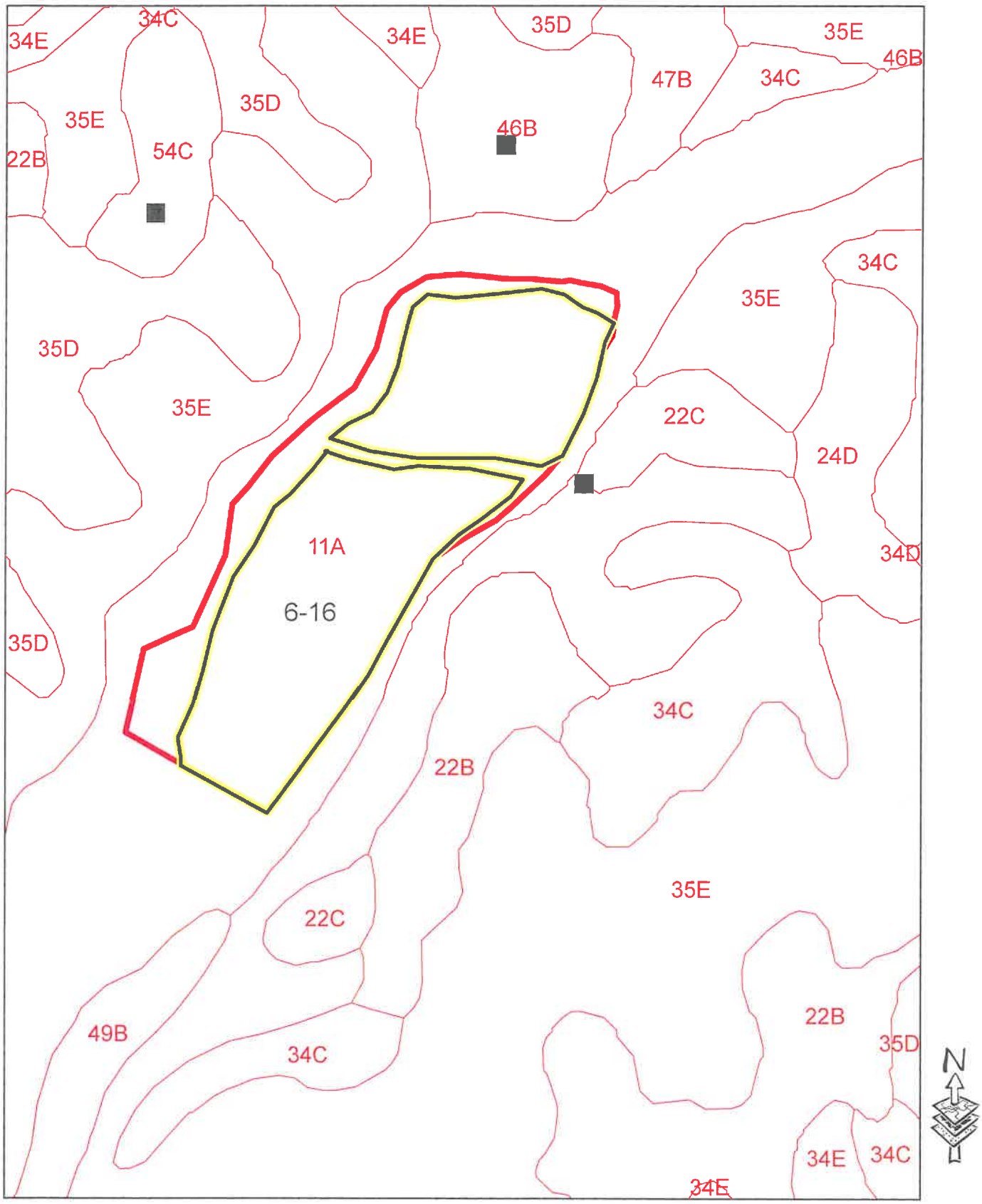
Thomas Fitzgerald
NE 6
Field 15



1:5,000 SOILS MAP 1 inch = 416.666667 feet

SYNAGRO

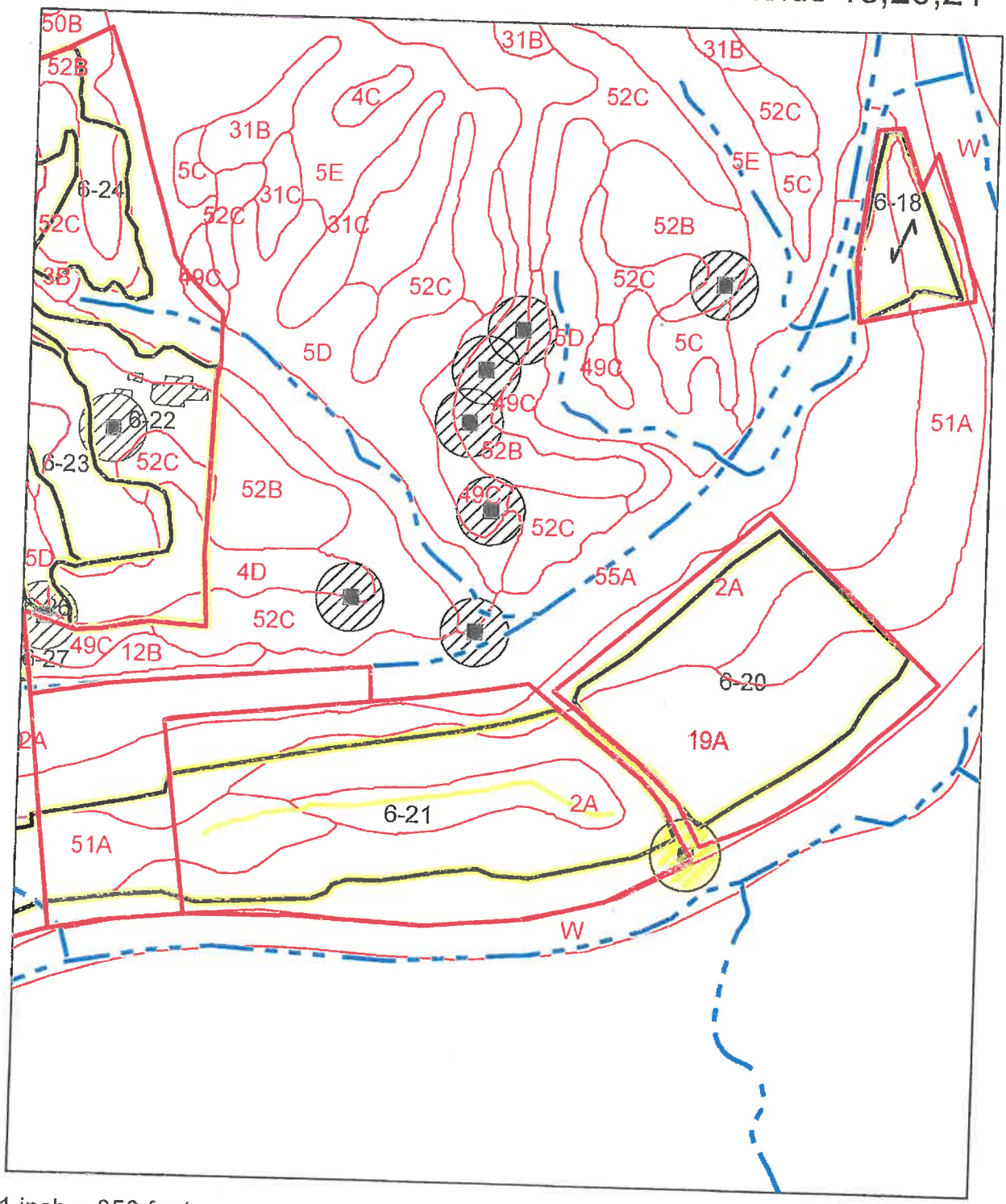
Thomas Fitzgerald
NE 6
Field 16



1:5,000 SOILS MAP 1 inch = 416.666667 feet

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 18,20,21



N

1 inch = 850 feet

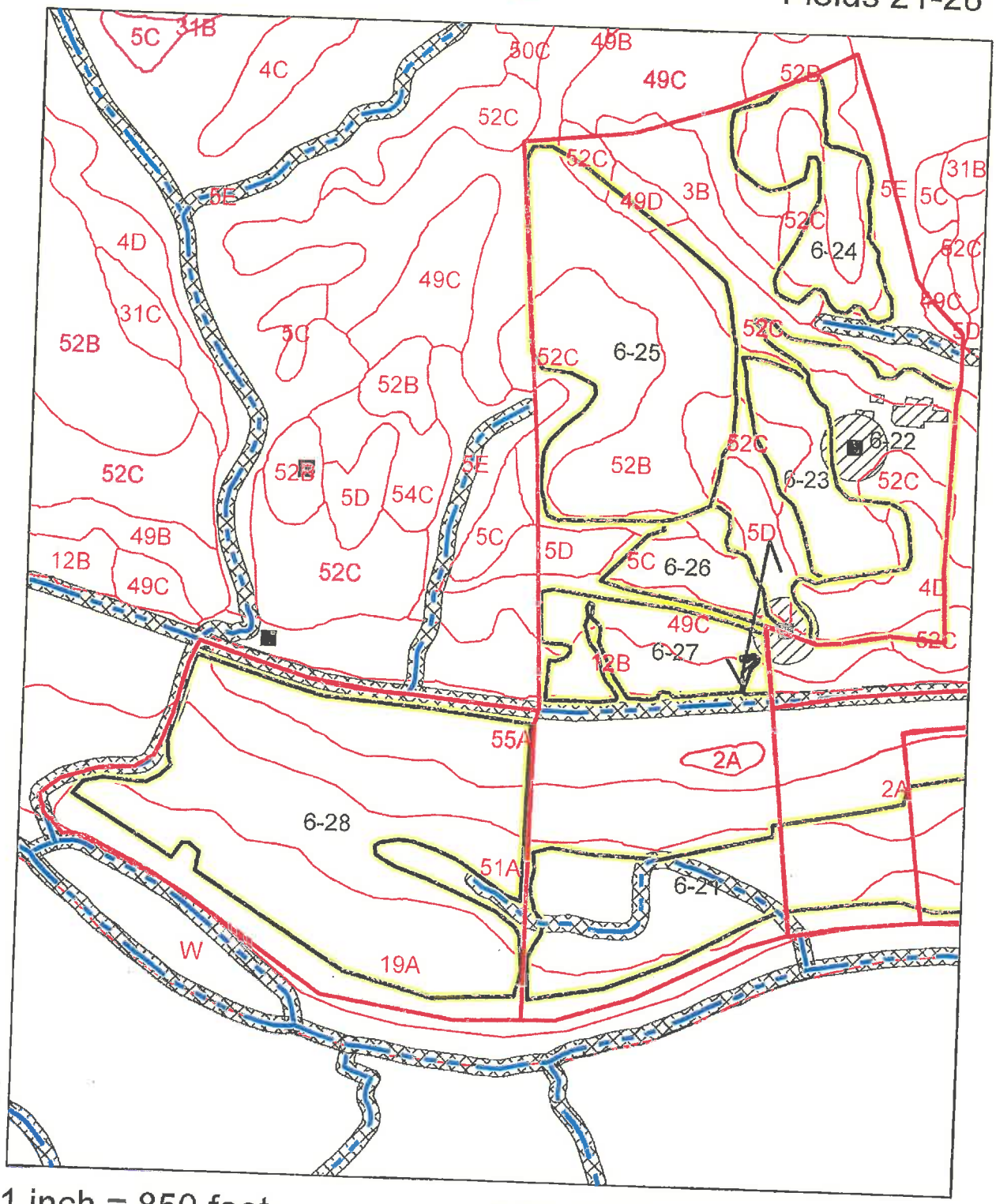
SOIL MAP

1:10,200

REVISED 3/16/16

SYNAGRO

Thomas Fitzgerald
NE 6
Fields 21-28



1 inch = 850 feet

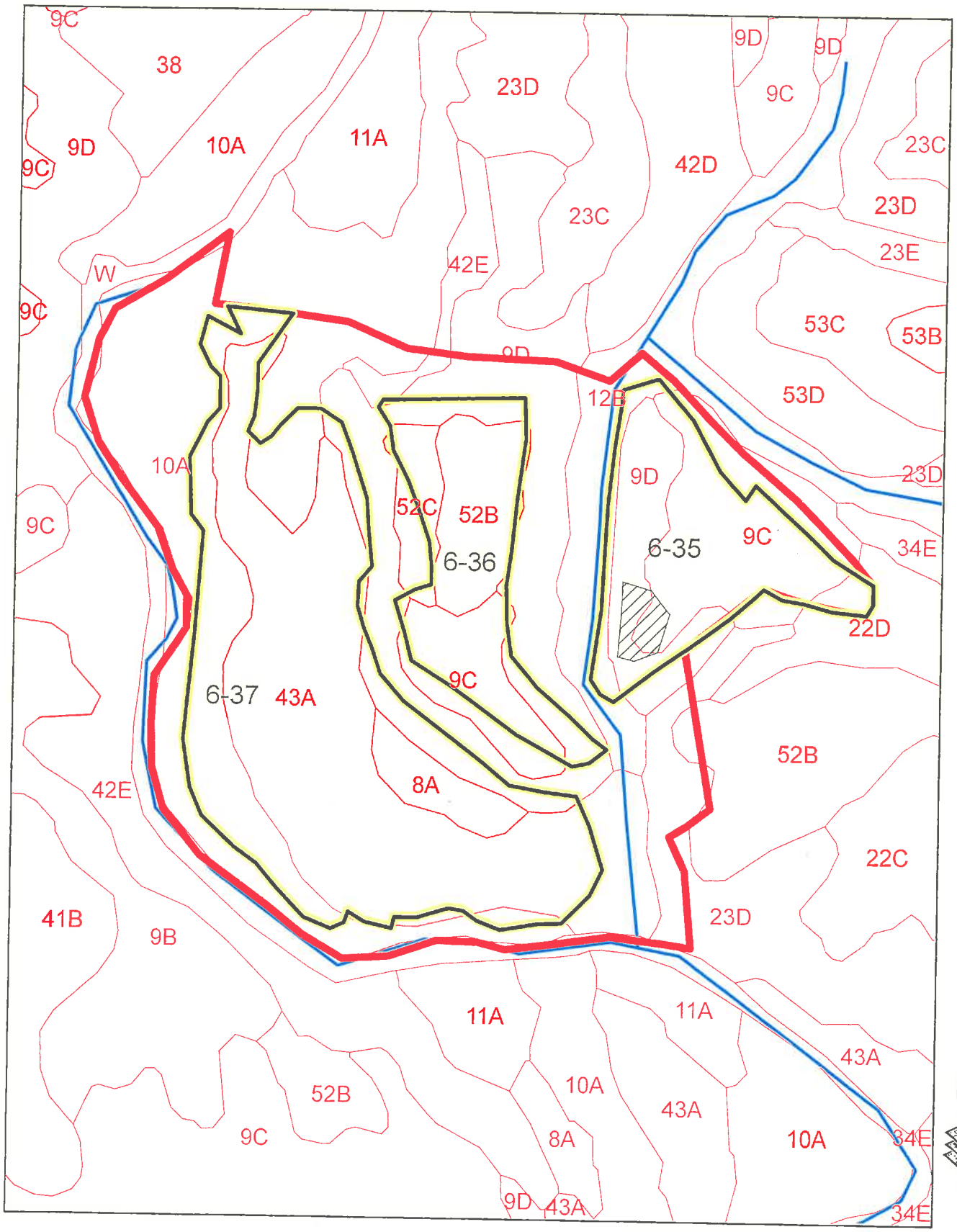
SOIL MAP

1:10,200

REVISED 10/23/2015

SYNAGRO

Thomas Fitzgerald
NE 6
Fields 35-37



1:7,000

SOILS MAP

1 inch = 583.333333 feet

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 2-8

N

1 inch = 833.333333 feet

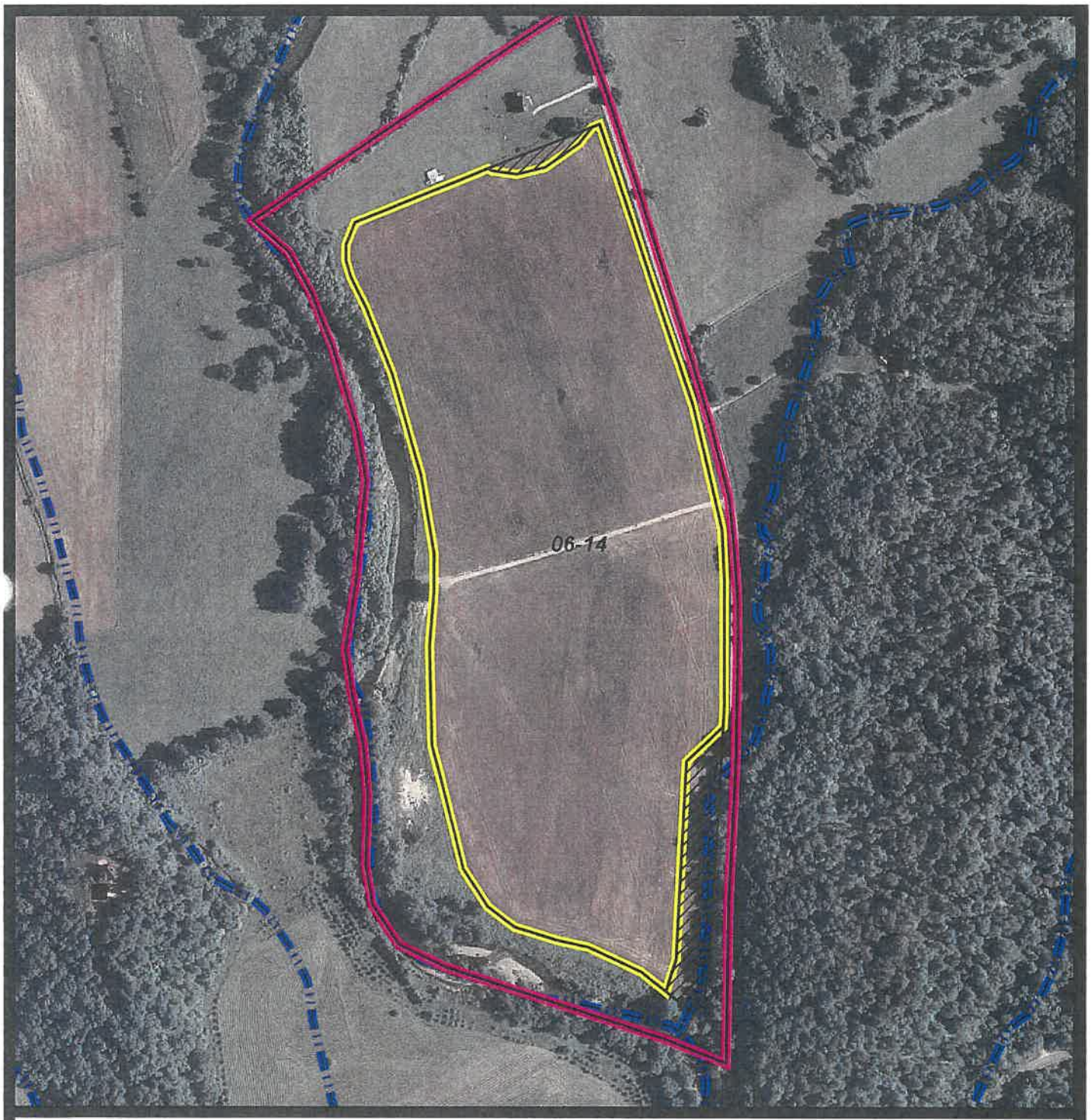
AERIAL MAP

1:10,000

REVISED 2/24/16

SYNAGRO

Thomas H. Fitzgerald
NE06
Field 14



SCALE 1:5,000

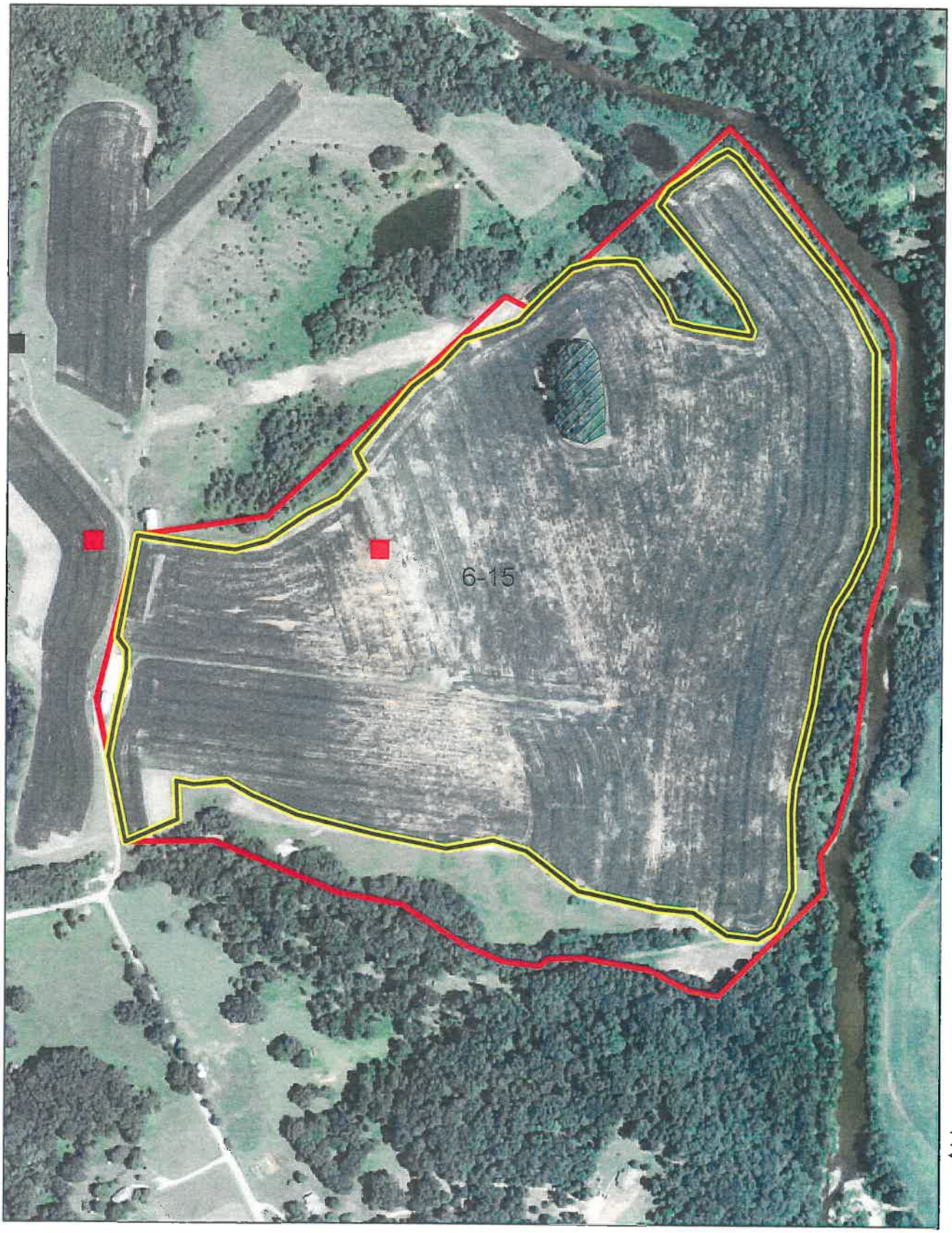
REVISED 04/02/2014

AERIAL MAP

N

SYNAGRO

Thomas Fitzgerald
NE 6
Field 15



N

1:5,000

AERIAL MAP

1 inch = 416.666667 feet

SYNAGRO

Thomas Fitzgerald
NE 6
Field 16

N

1:5,000

AERIAL MAP

1 inch = 416.666667 feet

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 18,20,21

N

1 inch = 850 feet

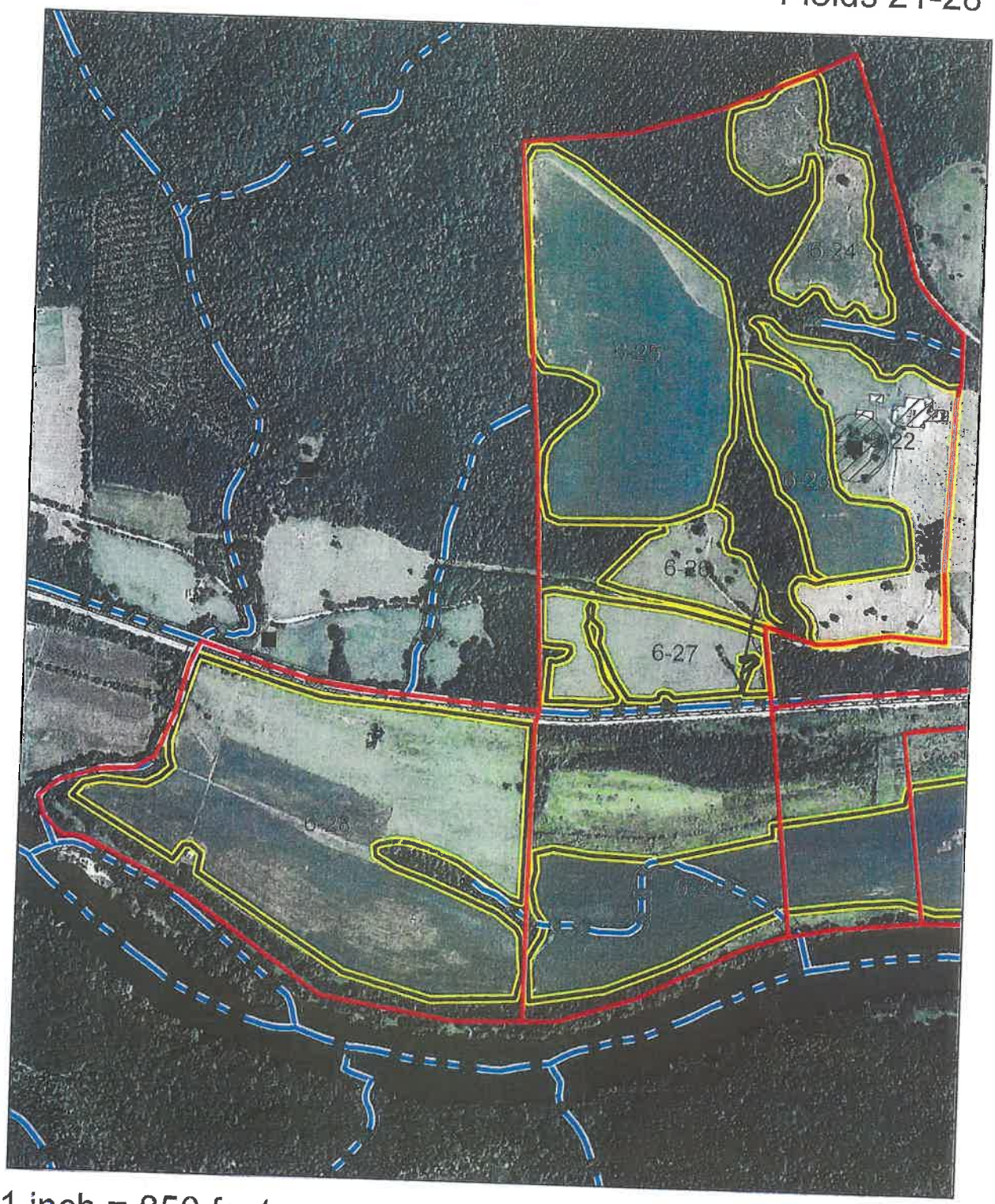
REVISED 3/16/16

AERIAL MAP

1:10,200

SYNAGRO

Thomas Fitzgerald
NE 6
Fields 21-28



N

1 inch = 850 feet

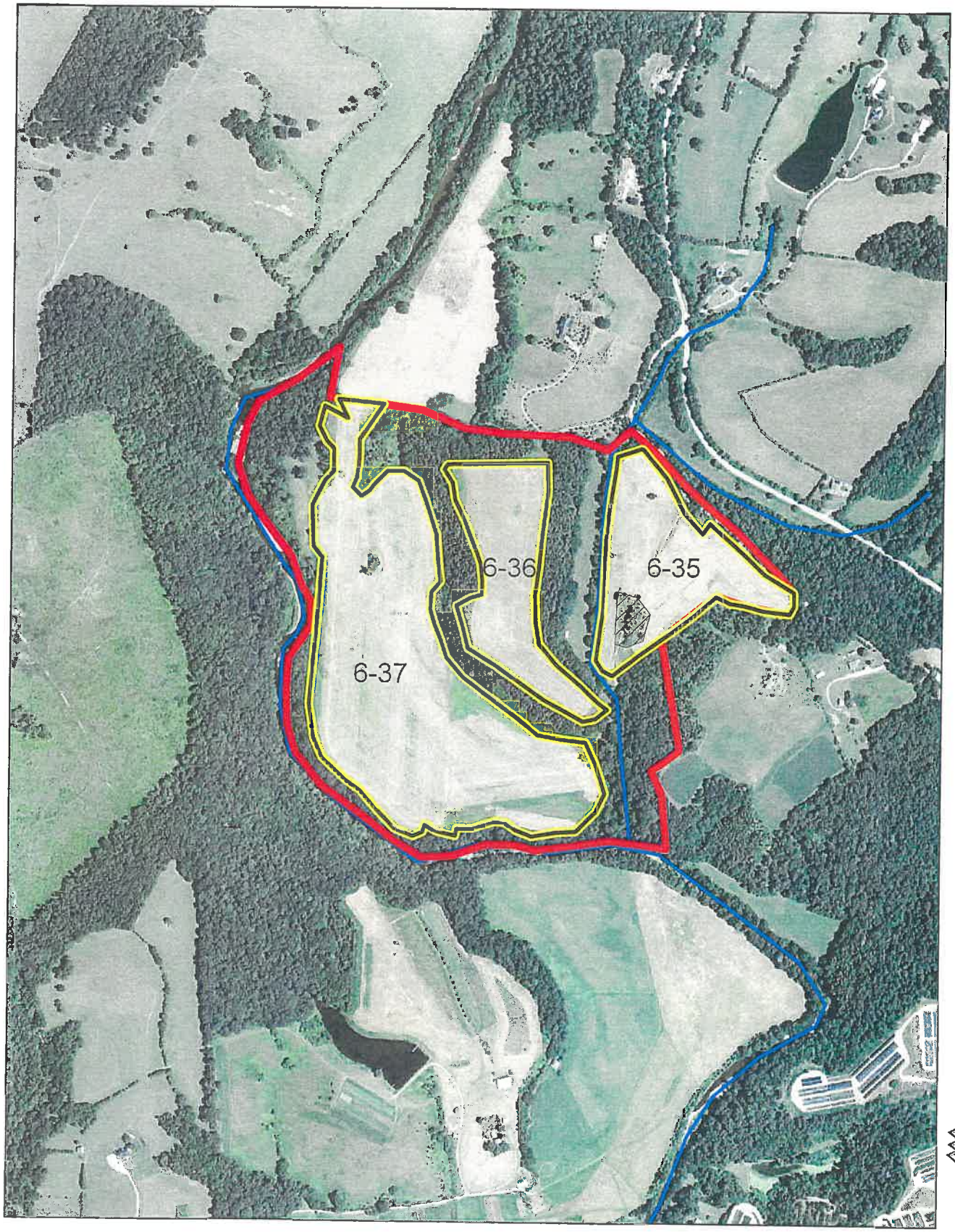
AERIAL MAP

1:10,200

REVISED 10/23/2015

SYNAGRO

Thomas Fitzgerald
NE 6
Fields 35-37



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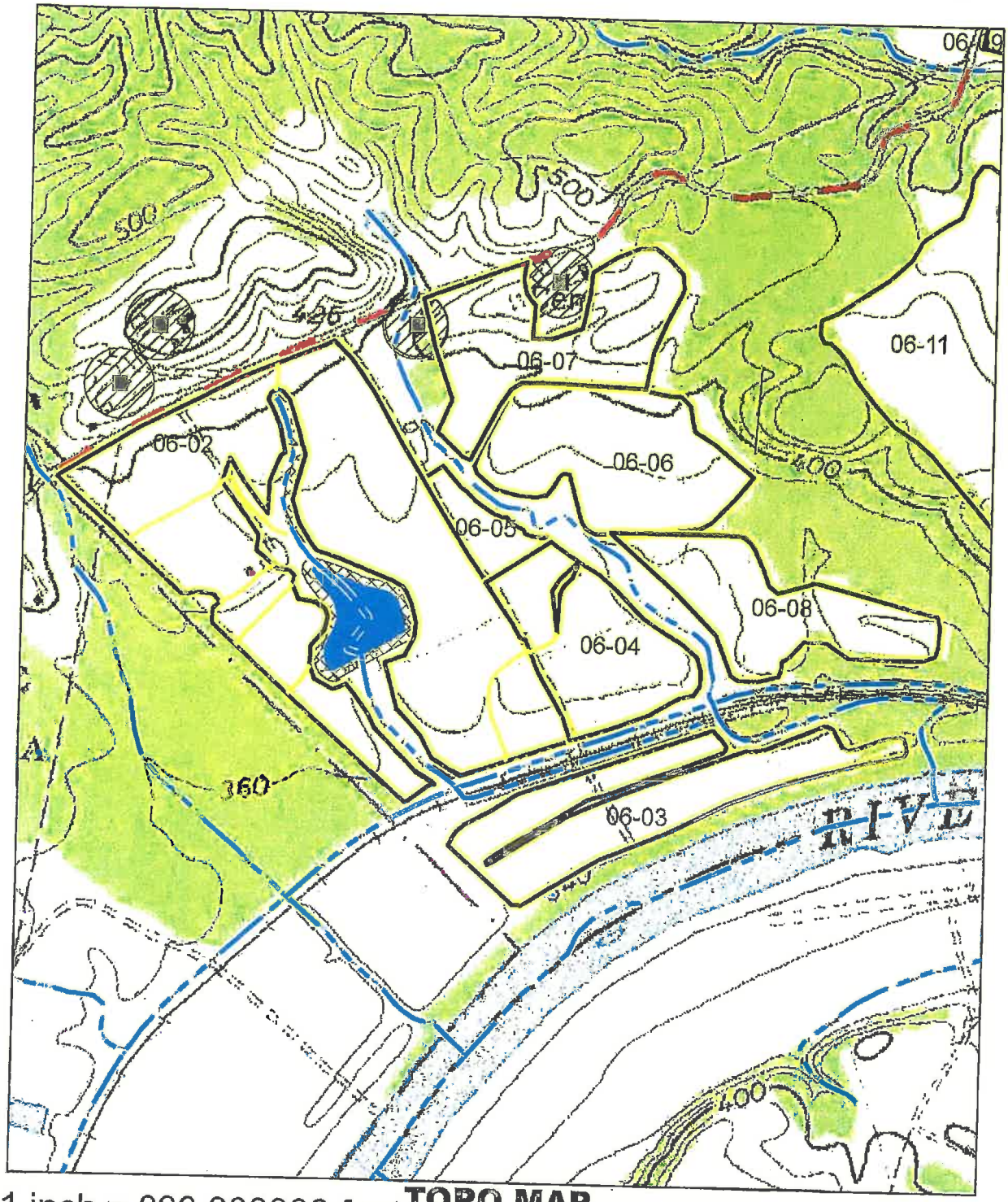
AERIAL MAP

1 inch = 833.333333 feet

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 2-8



N

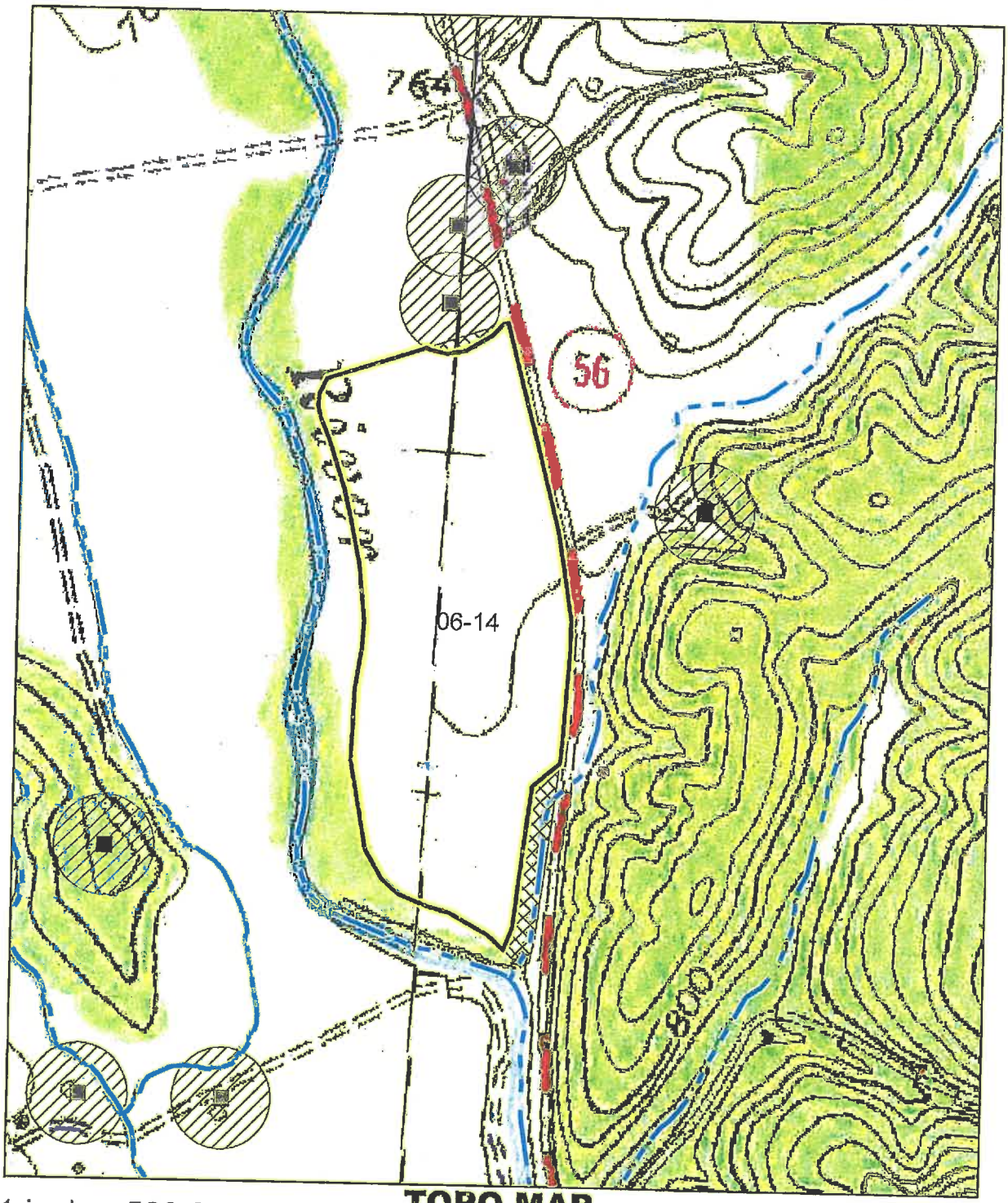
1 inch = 833.333333 feet **TOPO MAP** 1:10,000

REVISED 2/24/16

Field #	Gross Acres	Field #	Gross Acres
06-02	68.9	06-06	21.5
06-03	22.3	06-07	19.7
06-04	16.4	06-08	16.3
06-05	4.0		

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 14



N

1 inch = 583.333333 feet

TOPO MAP

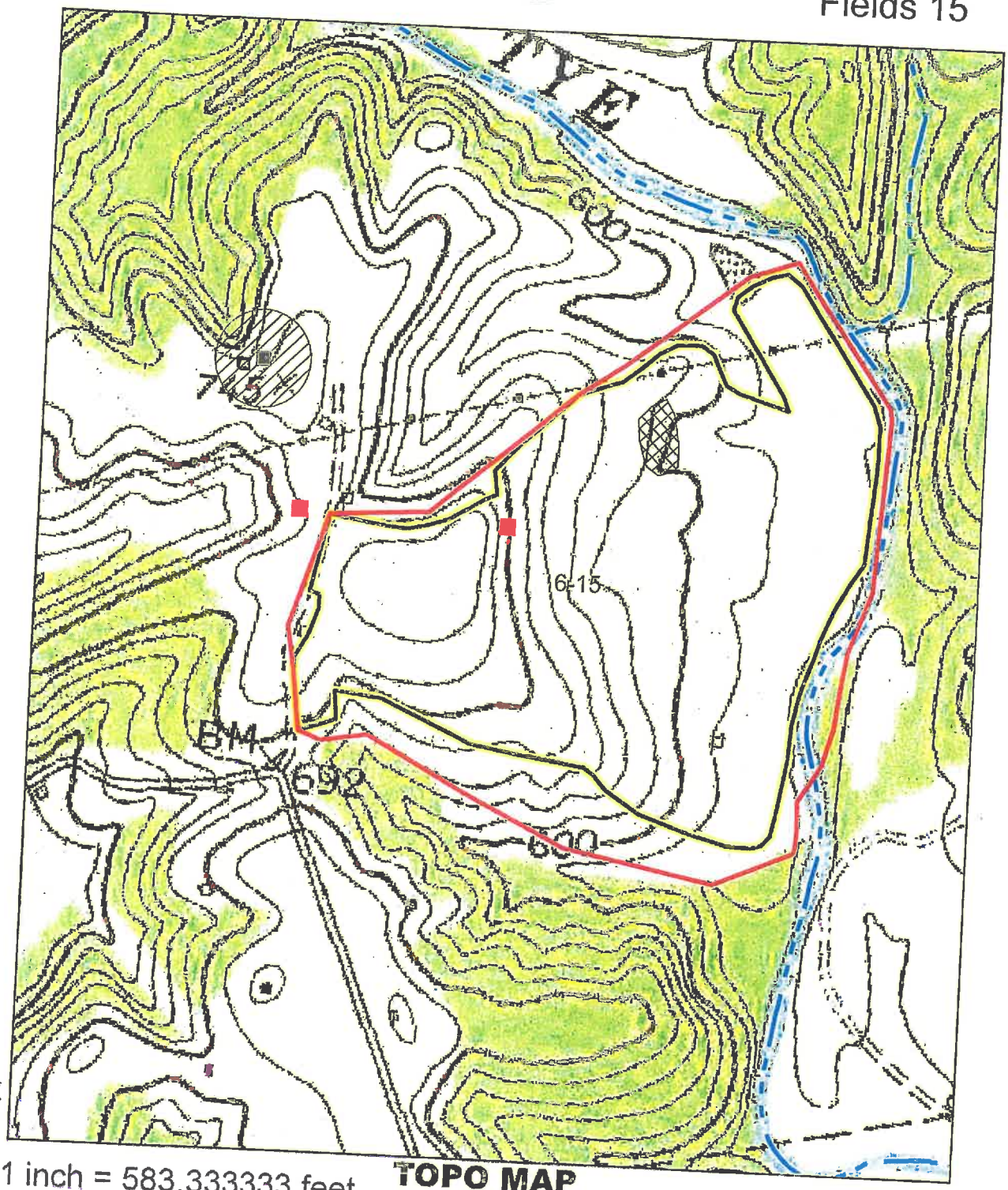
1:7,000

REVISED 2/24/16

Field #	Gross Acres
06-14	39.4

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 15



N

1 inch = 583.333333 feet

TOPO MAP

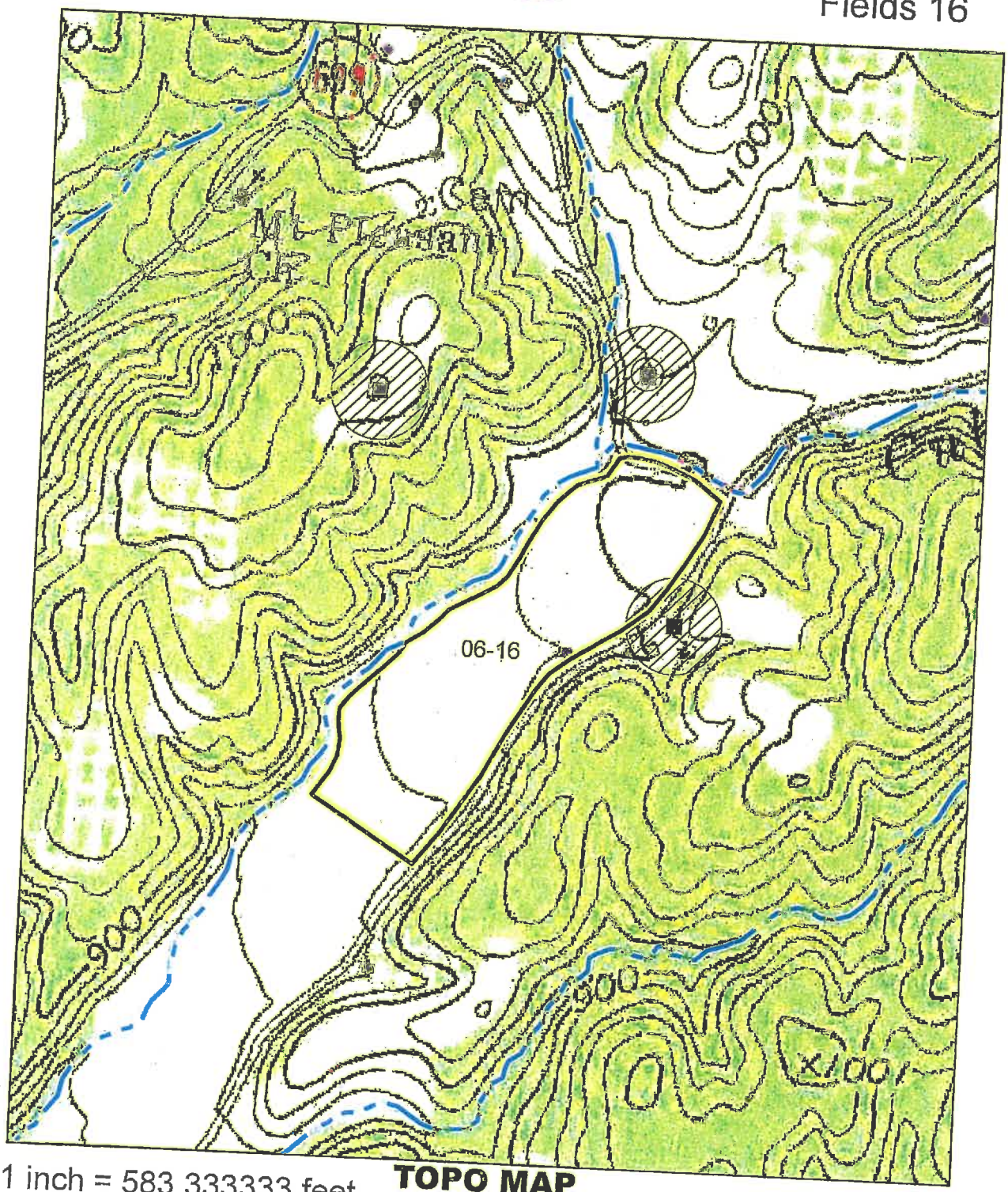
1:7,000

REVISED 2/24/16

Field #	Gross Acres
06-15	72.5

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 16



N

1 inch = 583.333333 feet

TOPO MAP

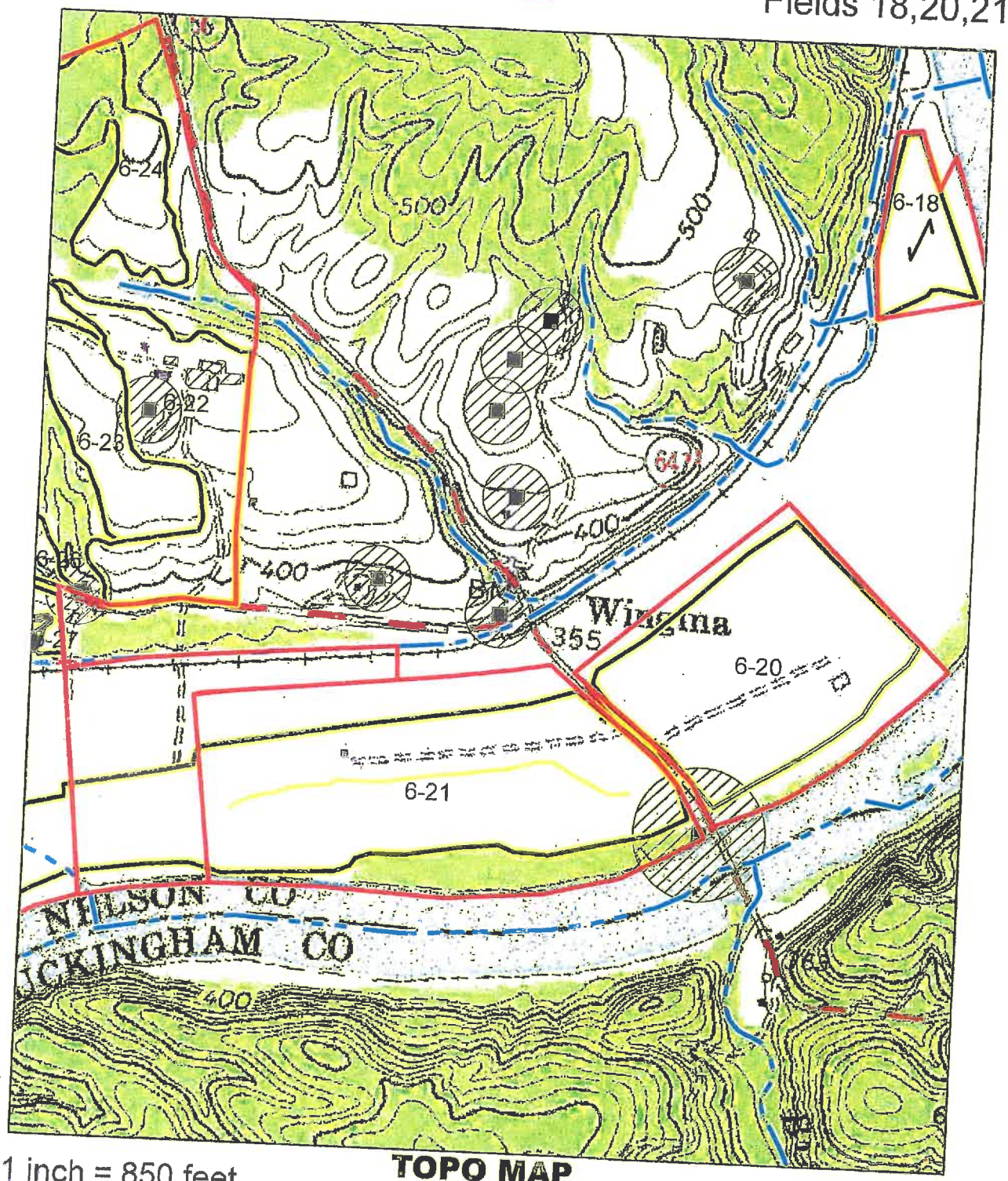
1:7,000

REVISED 2/24/16

Field #	Gross Acres
06-16	23.4

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 18,20,21



N

1 inch = 850 feet

TOPO MAP

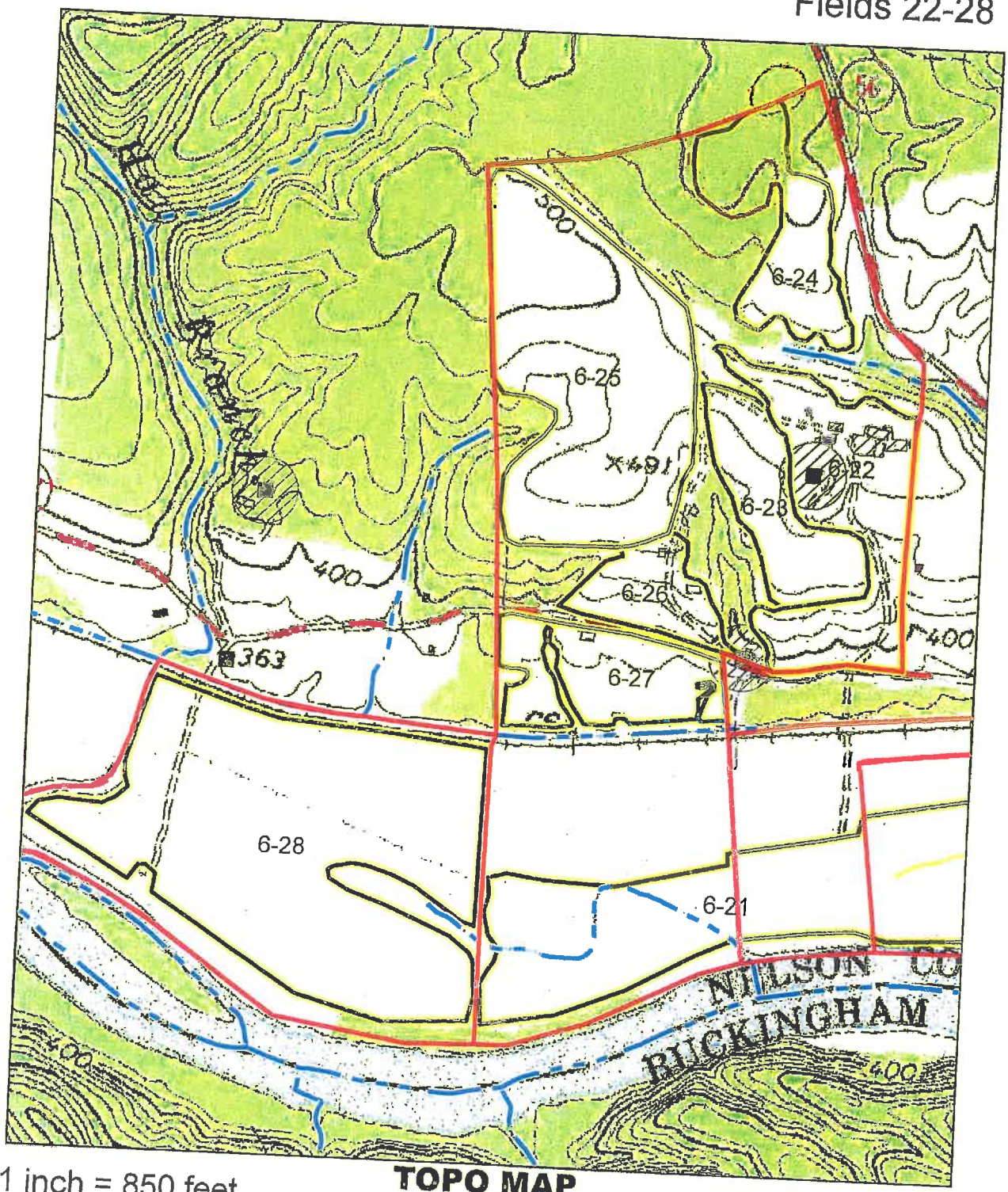
1:10,200

REVISED 2/24/16

Field #	Gross Acres
06-18	8.5
06-20	40.8
06-21	85.0

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 22-28



N

1 inch = 850 feet

TOPO MAP

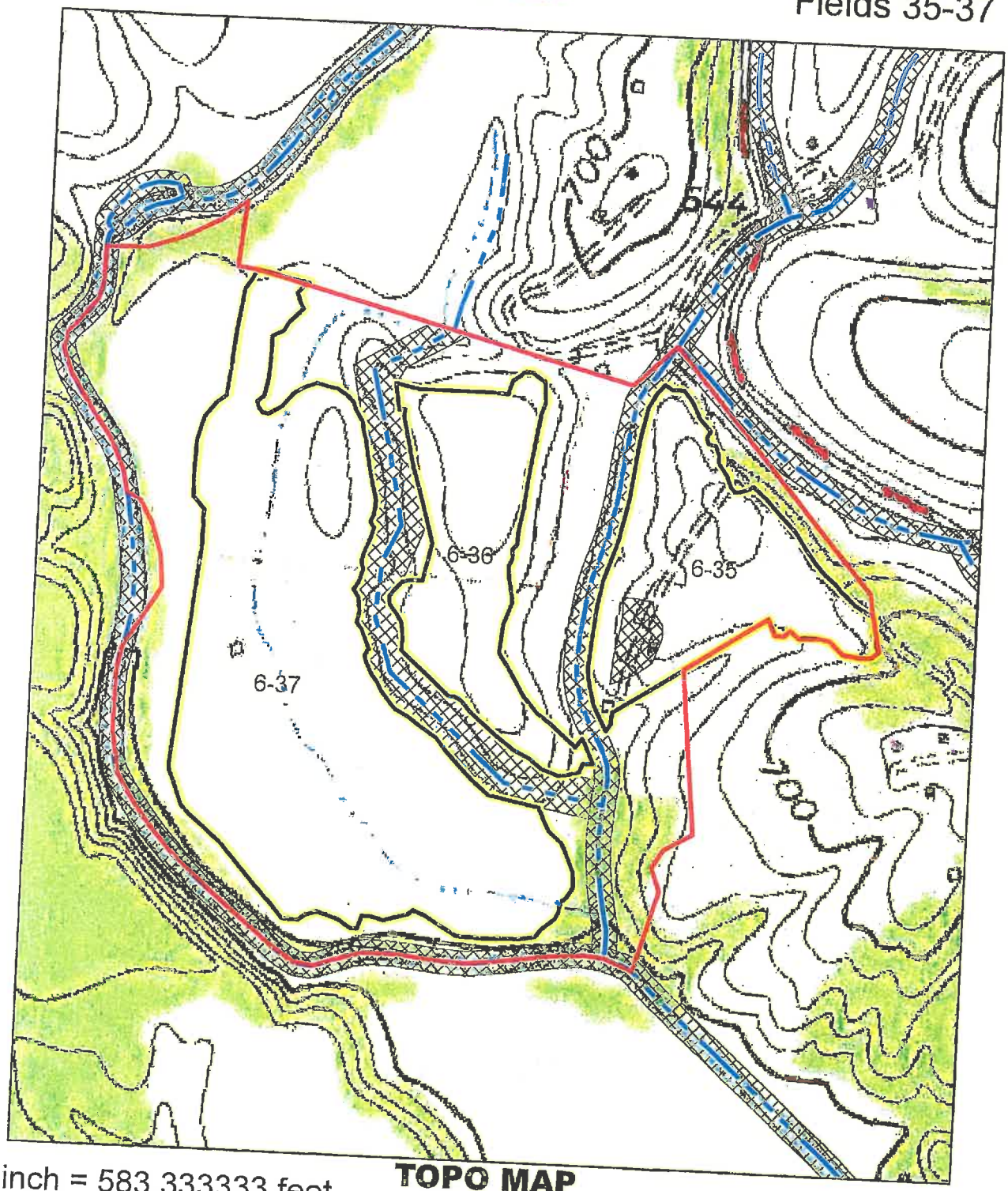
1:10,200

REVISED 2/24/16

Field #	Gross Acres	Field #	Gross Acres
06-22	25.1	06-25	47.4
06-23	13.8	06-26	8.6
06-24	15.9	06-27	15.2
		06-28	74.2

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 35-37



N

1 inch = 583.333333 feet

TOPO MAP

1:7,000

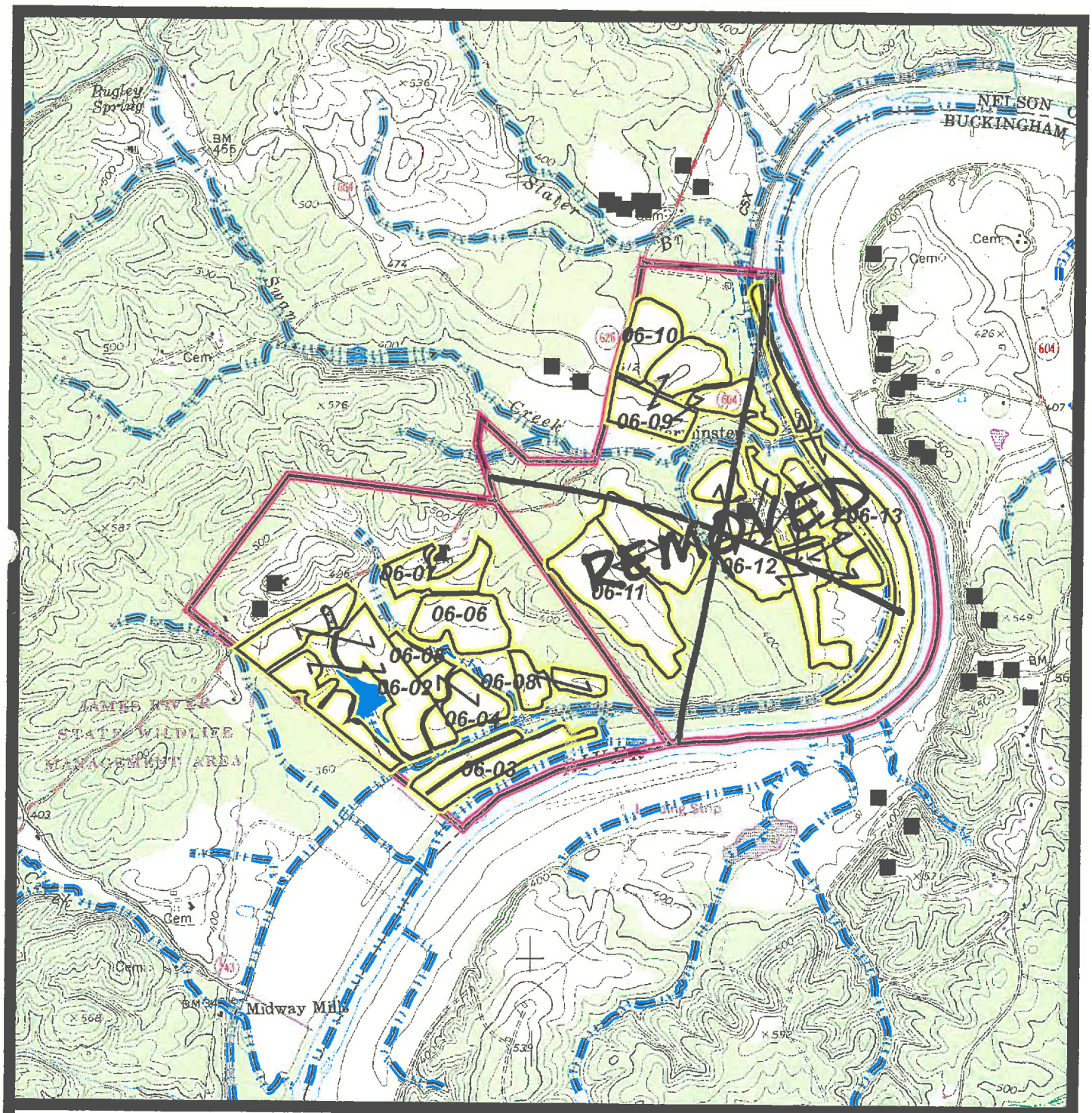
REVISED 2/24/16

Field #	Gross Acres
06-35	17.4
06-36	14.7
06-37	48.4

SYNAGRO

A Residuals Management Company

Thomas H Fitzgerald
NE06
Fields 2 – 13



SCALE 1:24,000

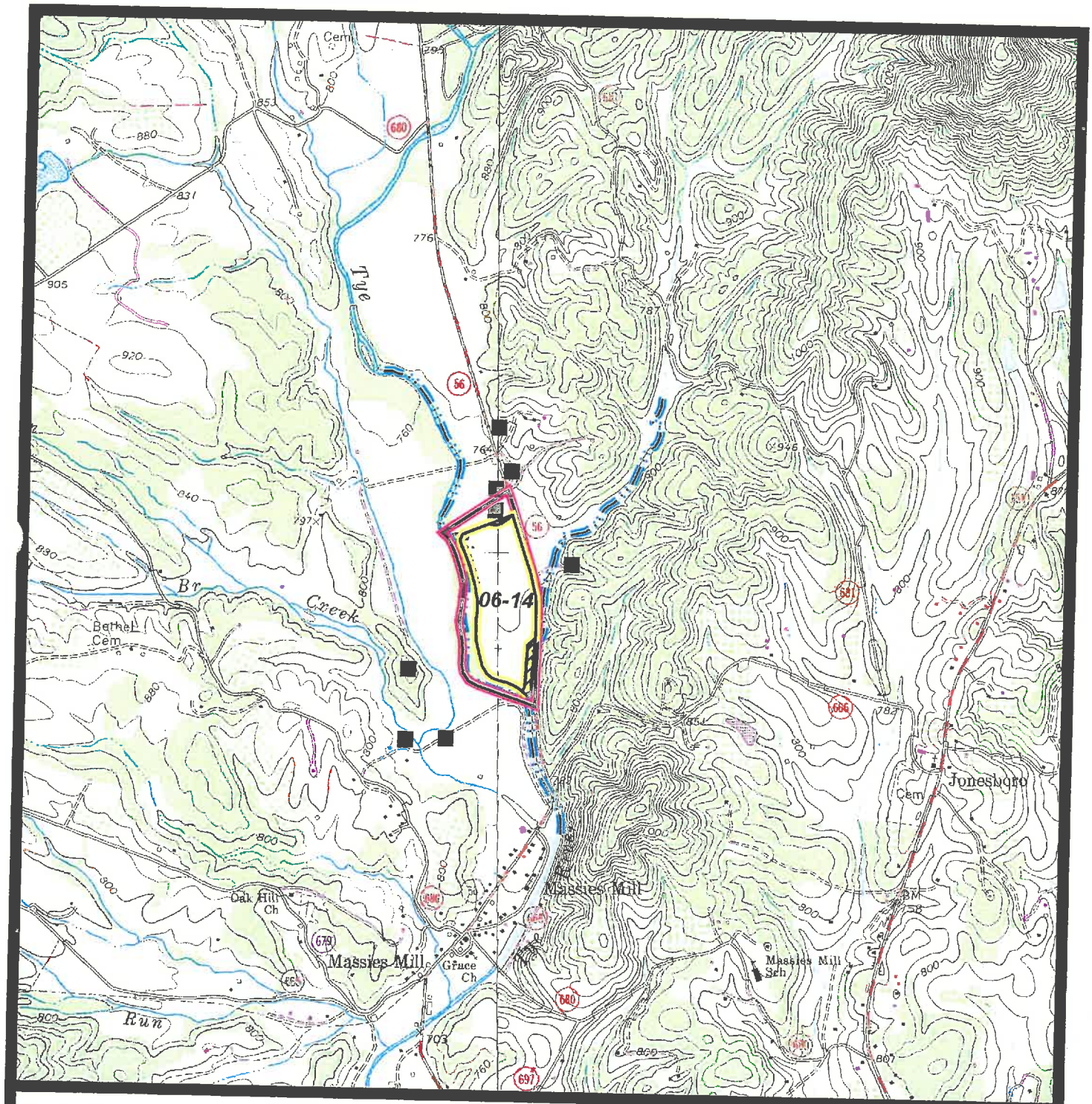
TOPO MAP

N

SYNAGRO

A Residuals Management Company

Thomas H Fitzgerald
NE06
Field 14



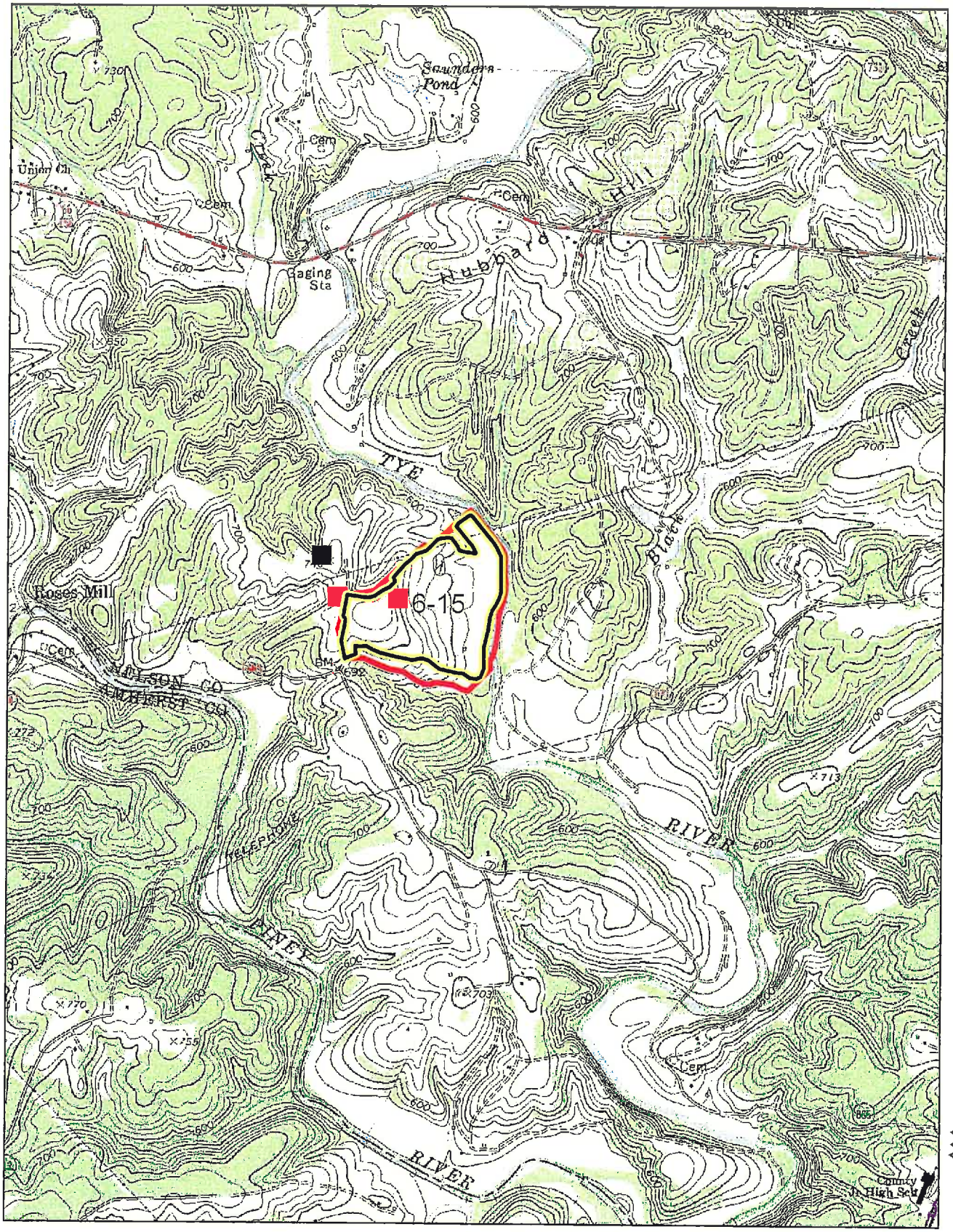
SCALE 1:24,000

TOPO MAP

N

SYNAGRO

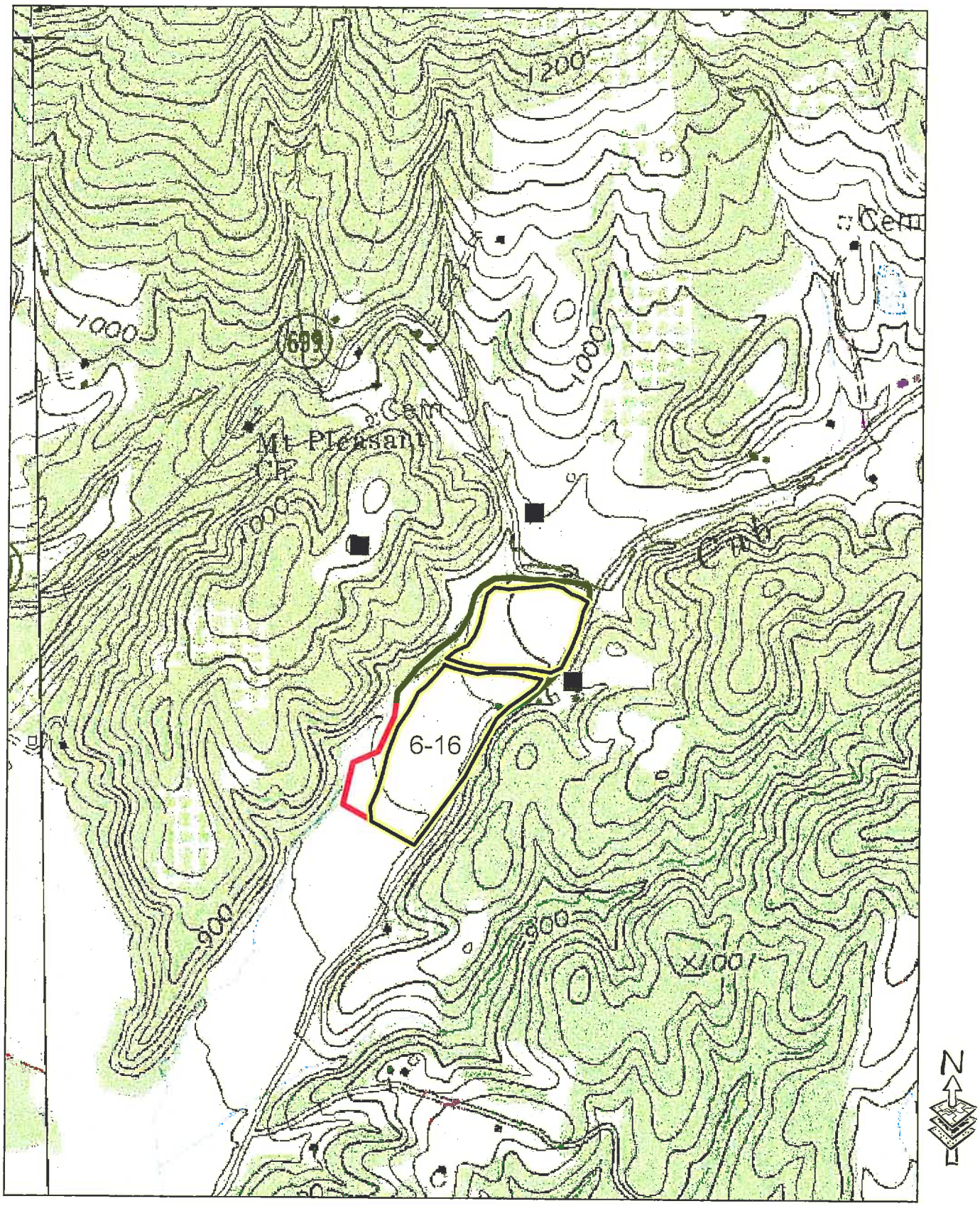
Thomas Fitzgerald
NE 6
Field 15



1:24,000 TOPO MAP 1 inch = 2,000 feet

SYNAGRO

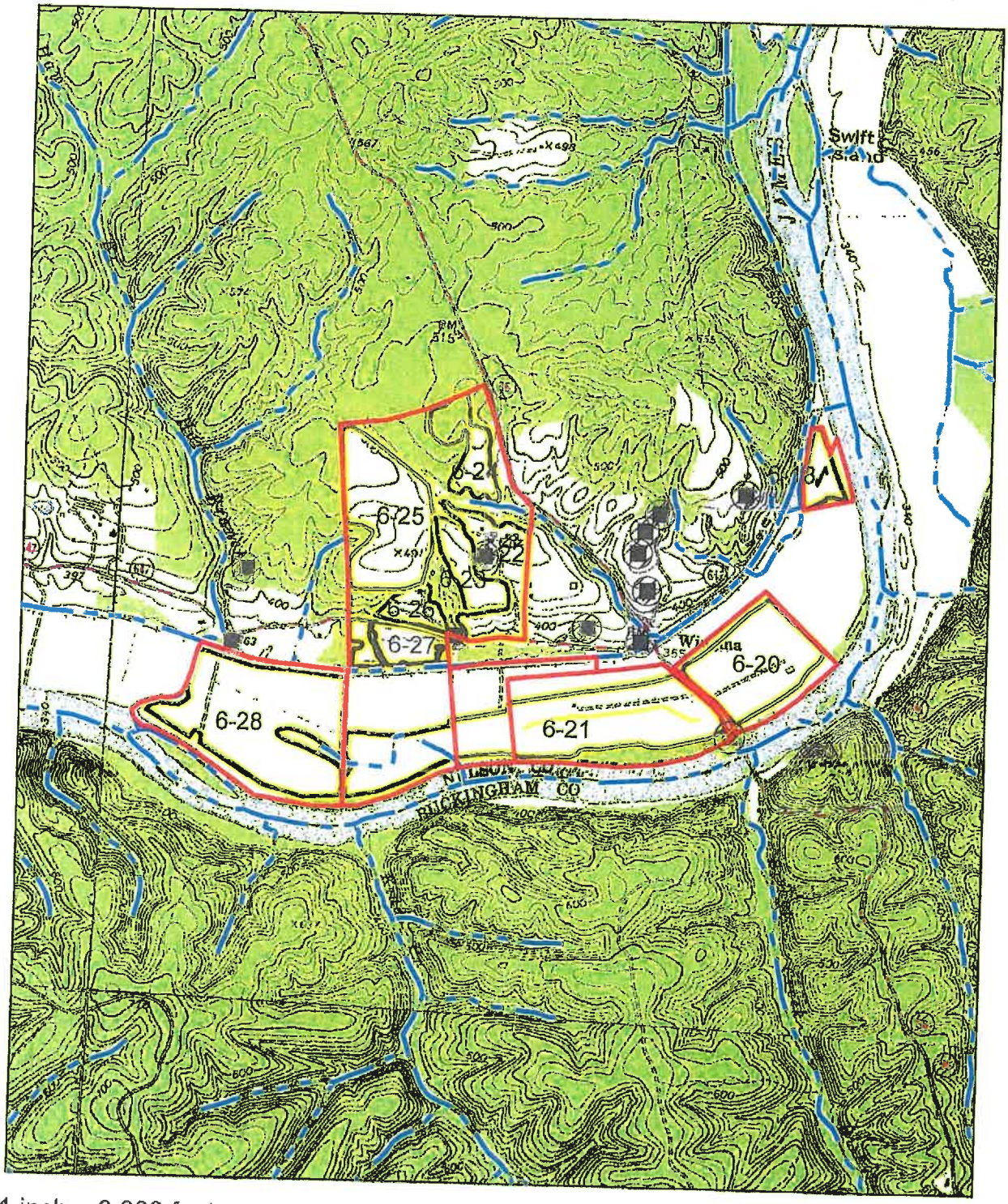
Thomas Fitzgerald
NE 6
Field 16



1:10,000 TOPO MAP 1 inch = 833.333333 feet

SYNAGRO

Thomas Fitzgerald
NE 06
Fields 18-28



N

1 inch = 2,000 feet

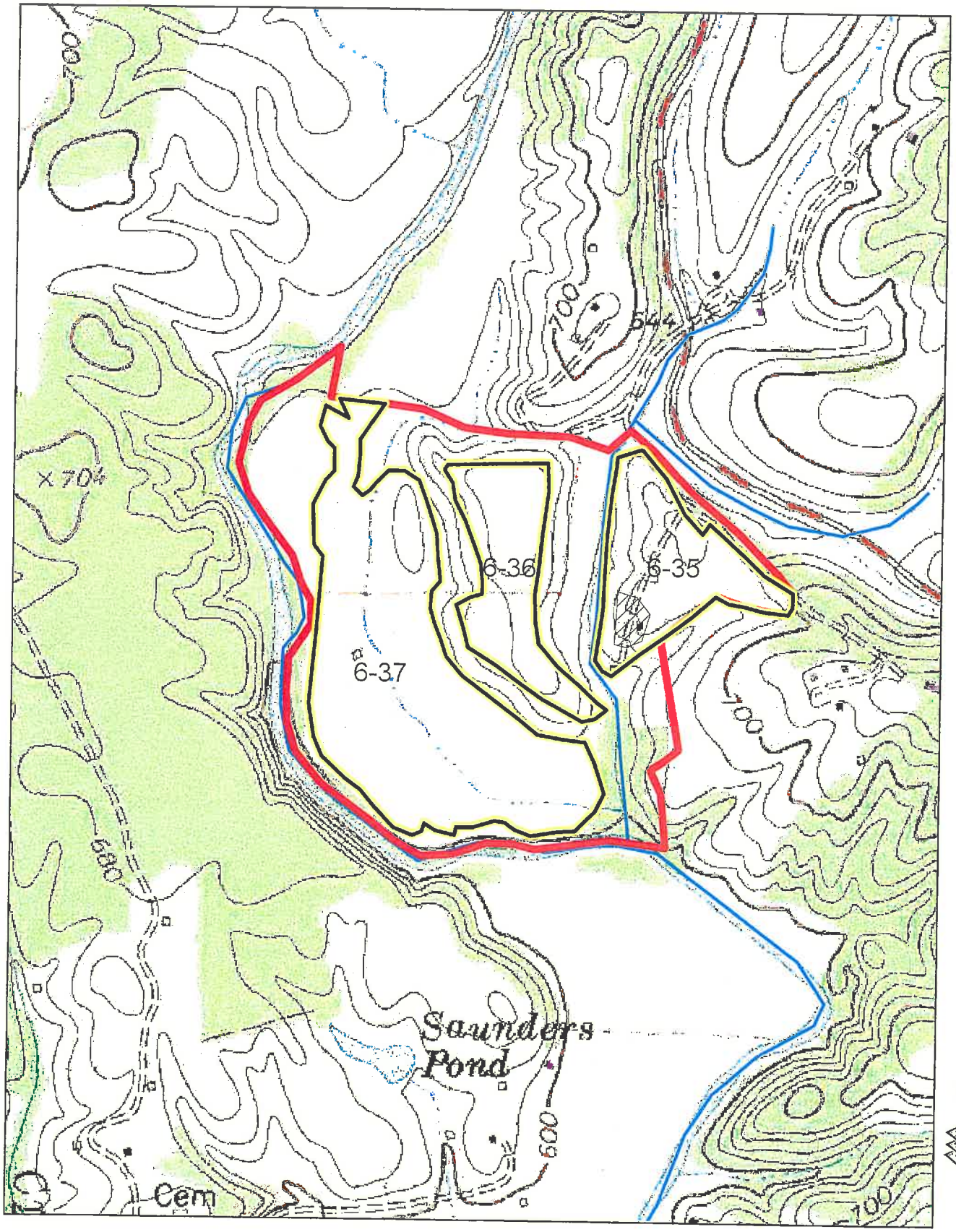
REVISED 3/16/16

TOPO MAP

1:24,000

SYNAGRO

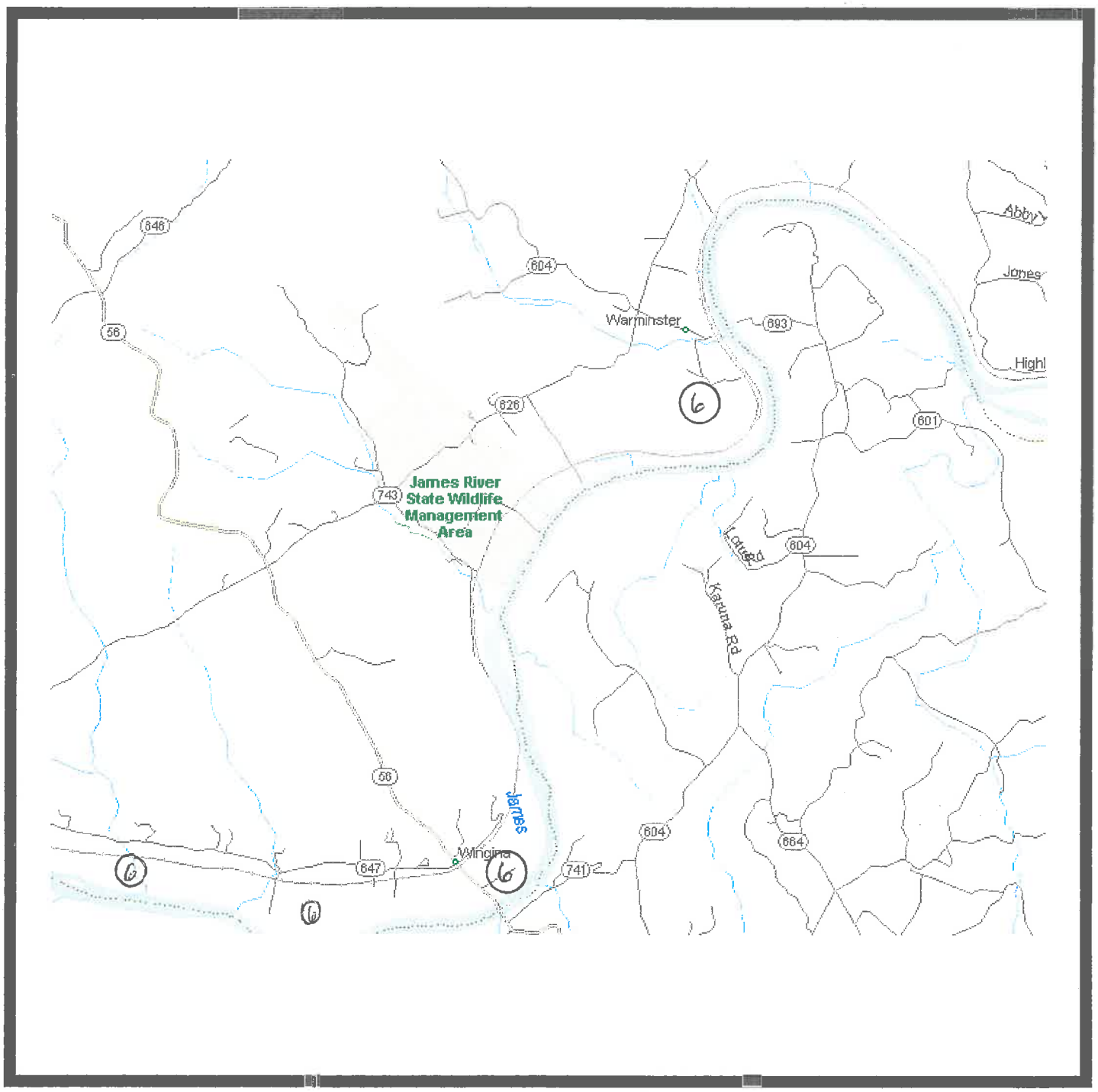
Thomas Fitzgerald
NE 6
Fields 35-37



1:10,000 TOPO MAP 1 inch = 833.333333 feet

SYNAGRO

Thomas H Fitzgerald
NE06
Fields 1 – 13 29-34

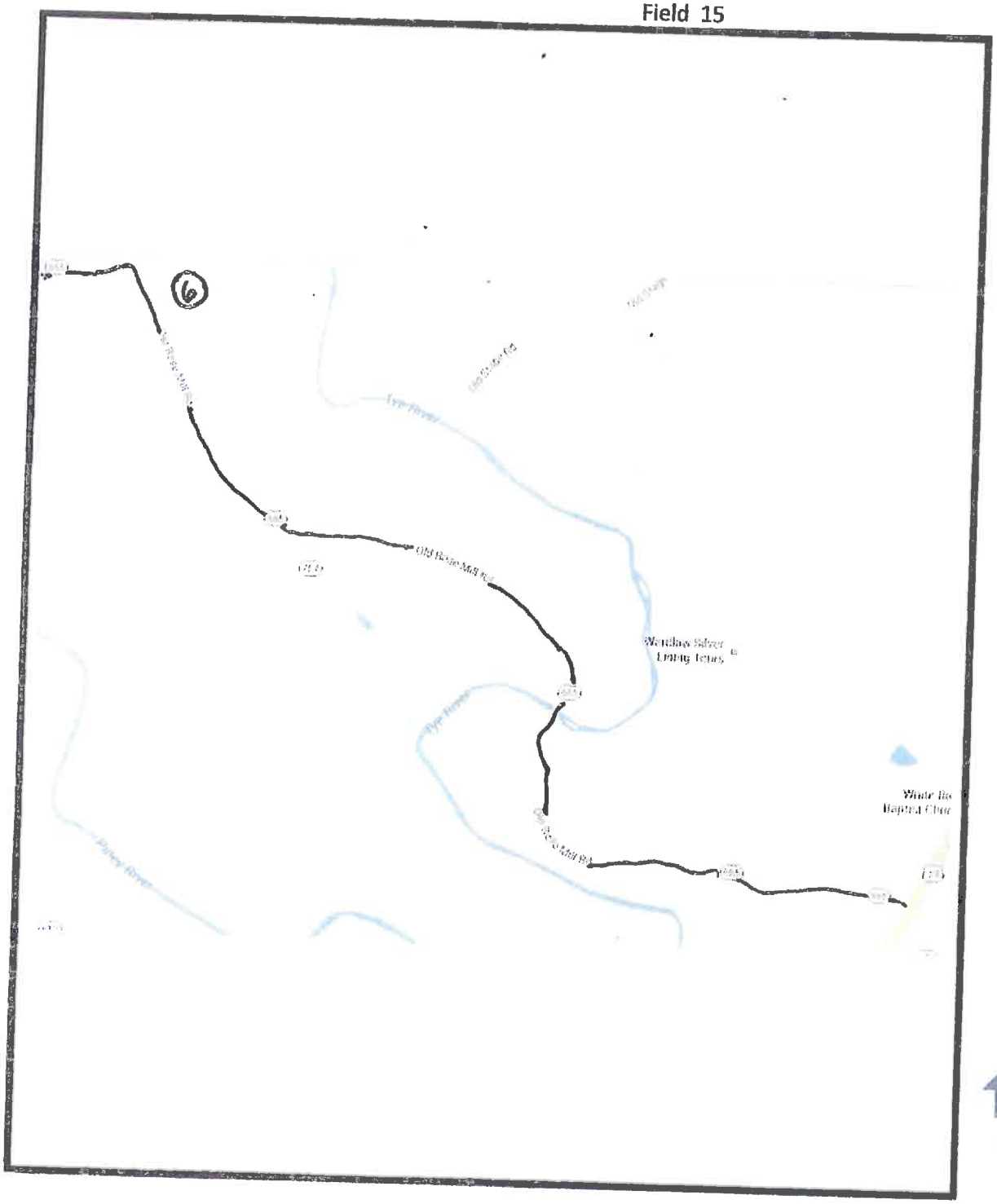


LOCATION MAP

N

SYNAGRO

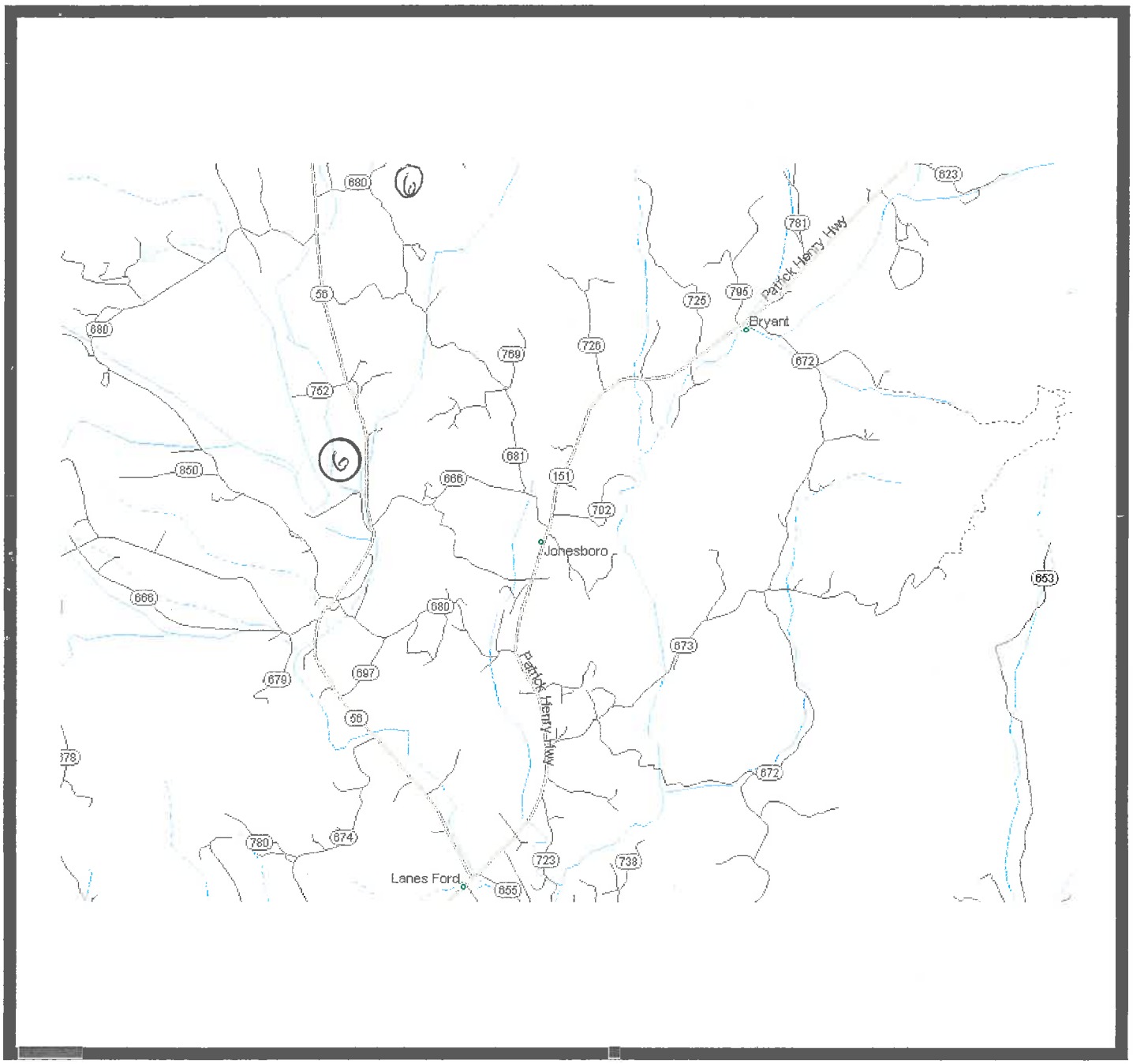
Thomas H Fitzgerald
NE 6
Field 15



LOCATION MAP

SYNAGRO

Thomas H Fitzgerald
NE06
Field 14;16

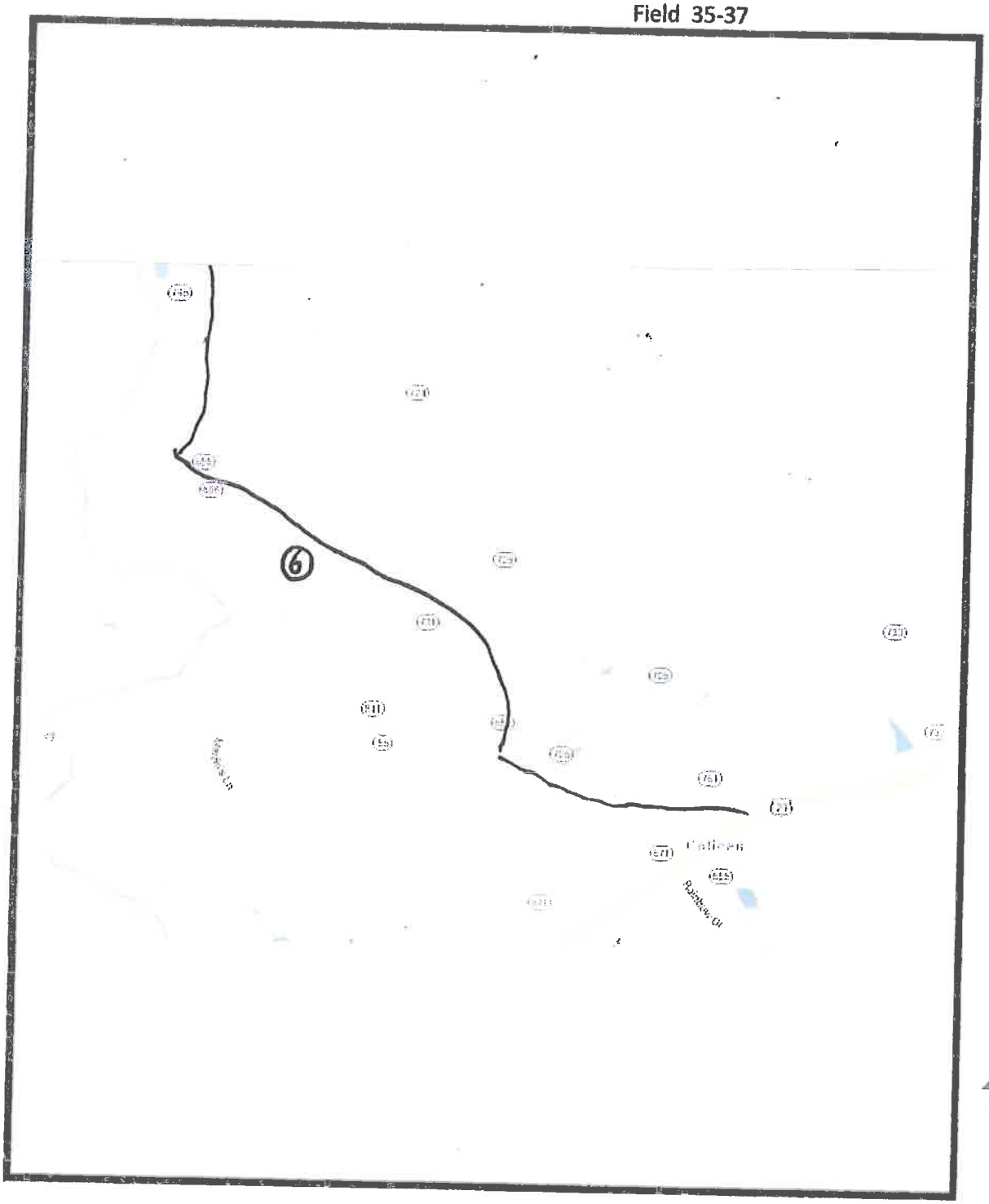


LOCATION MAP

N

SYNAGRO

Thomas H Fitzgerald
NE 6
Field 35-37



N

LOCATION MAP