

LAND APPLICATION SITE

TIMOTHY R BREEDEN

MATRB 1 - 21

MADISON COUNTY

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

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

A. This land application agreement is made on 7-12-19 between Timothy R. Breeden referred to here as "Landowner", and Recyc Systems, Inc. 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 Madison Co Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-2</u>			
<u>44-2B</u>			

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

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

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

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

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

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

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

Printed name <u>Timmy Breeden</u>	Mailing Address <u>45 Kinder hood Rd Madison Va 22727</u>	Landowner Signature <u>T.R. Breeden</u>
By: Title* <u>owner</u>	Phone No. <u>540-717-3074</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official (or officer) authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name Susan Trumbo	Mailing Address PO Box 562, Remington Virginia 22734	Permittee Authorized Representative Signature <u>S Trumbo</u>
Title Technical Manager	Phone No. 540-547-3300	

Permittee: Recyc Systems, Inc
Landowner: Timothy R. Breeden

County or City: Madison Co.

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).

T.R. Breeden
Landowner's Signature

7-12-19
Date

T.R. Breeden
Operator's Signature

7-12-19
mailing address & phone 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 9-9-19 between Hilda B. McDaniel ^{wife Estate} referred to here as "Landowner", and Recyc Systems, Inc. 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 Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-2 (wife Estate)</u>			

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

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

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

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

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

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

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

Printed name <u>Hilda Jean McDaniel</u>	Mailing Address <u>PO Box 37 Madison VA 22727</u>	Landowner Signature <u>Hilda B. McDaniel</u>
By: <u>Life Estate</u>	Phone No. <u>540-717-3074</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>Susan Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc County or City: Madison Co.

Landowner: Hilda B. McDaniel
Life Estate

Landowner Site Management Requirements:

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

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

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

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

Following biosolids application to pasture or hayland sites:

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

Jean B. McDaniel 9-9-19
Landowner's Signature Date

F.R. Bredder 9-9-19
Operator's Signature mailing address & phone Date

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

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

A. This land application agreement is made on 9-9-19 between Betty B. Weakley referred to here as "Landowner", and Recyc Systems, Inc 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 Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-2 (Life Estate)</u>			

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

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

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

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

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

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

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

Printed name <u>Betty B Weakley</u>	Mailing Address <u>3076 South Semholz Trail Madison Va 22727</u>	Landowner Signature <u>Betty B Weakley</u>
By: <u>Life Estate</u>	Phone No. <u>540-948-4706</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>S Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc County or City: Madison Co.
Landowner: Betty B. Weakley

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).

Betty B. Weakley 9-9-19
Landowner's Signature Date

T. B. Brecken 9-9-19
Operator's Signature mailing address & phone 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 7-12-19 between Myron A Breeden referred to here as "Landowner", and Recyc Systems, Inc. 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 Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
44-3			

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

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

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

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

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

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

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

Printed name <u>Myron Breeden</u>	Mailing Address <u>405 Kinderhook Rd, Madison Va 22727</u>	Landowner Signature <u>Myron A Breeden</u>
By: <u>owner</u>	Phone No. <u>540-948-6068</u>	
<input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison Co.

Landowner: Myron A. Breeden

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.
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 - 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).

Myron A Breeden

Landowner's Signature

7-12-19

Date

TR Breeden 45 Kinderhook RD madison va 22907 7-12-19

Operator's Signature

mailing address & phone
540-517-3074

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 7-1-19 between Steve G. Taylor referred to here as "Landowner", and Recyc Systems, Inc. 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 Greene Co. Madison Co Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-6</u>	<u>44-6E (Multiple Owner)</u>		
<u>44-6A</u>			
<u>45-17F</u>	<u>14-A-24 (Greene Co.)</u>		

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

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

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

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

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

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

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

Printed name <u>Steve G. Taylor</u>	Mailing Address <u>Madison VA 801 Kinderhook Rd. 22727</u>	Landowner Signature <u>Steve G. Taylor</u>
By: <u>Owner</u>	Phone No. <u>540-948-4697</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee Authorized Representative Signature <u>Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Greene Co. Madison Co.

Landowner: Steve G. Taylor

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).

Steve G. Taylor
Landowner's Signature

7-11-19
Date

T.R. Breeden 45 Kinderhook R.D. madison
Operator's Signature mailing address & phone

7-11-19
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 7-12-19 between Elvin E. Taylor referred to here as "Landowner", and Recyc Systems, Inc. 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 Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-6E</u>			

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

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

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

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

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

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

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

Printed name <u>ELVIN TAYLOR</u>	Mailing Address <u>2604 Middle River Rd STANRA RD SVILLE VA 22973</u>	Landowner Signature <u>Elvin Taylor</u>
By: <u>Owner</u>	Phone No. <u>434-985-2915</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>Trumbo</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison Co.

Landowner: Elvin E. Taylor

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).

Elvin E. Taylor
Landowner's Signature

7-12-19
Date

T.R. Breedon
Operator's Signature

45 Kinderhook Rd. Madison
mailing address & phone

7-12-19
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 9-7-19 between Cheryl L. Benning referred to here as "Landowner", and Recyc Systems, Inc. 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 Greene Co. Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-6B</u>	<u>14-A-24A</u>	<u>(Greene Co.)</u>	
<u>44-6D</u>			

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

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

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

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

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

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

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

Printed name <u>Cheryl L. Benning</u>	Mailing Address <u>8 Daffodil Lane, Stafford, VA 22554</u>	Landowner Signature <u>Cheryl L Benning</u>
By: <u>Downer</u>	Phone No. <u>757-567-4540</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison & Greene Co.

Landowner: Cheryl L. Benning

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).

Cheryl L. Benning
Landowner's Signature

9-7-19
Date

FR. Brecken
Operator's Signature

mailing address & phone

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 9-10-19 between Michael E. Taylor referred to here as "Landowner", and Recyc Systems, Inc. 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 Greene Co. Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-6B</u>	<u>14-A-24A (Greene Co.)</u>		
<u>44-6D</u>			

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

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

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

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

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

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

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

Printed name <u>Michael E Taylor</u>	Mailing Address <u>105 Hill Crest Dr. Ruckersville, VA 22968</u>	Landowner Signature <u>Michael E. Taylor</u>
By: <u>Owner</u>	Phone No. <u>434 985 8053</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee- Authorized Representative Signature <u>[Signature]</u>
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison & Greene Co.

Landowner: Michael E. Taylor

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).

Michael E. Taylor
Landowner's Signature

9-10-19
Date

T.R. Bremer
Operator's Signature

mailing address & phone

9-10-19
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 9-7-19 between Mark E. Taylor referred to here as "Landowner", and Recyc Systems, Inc. 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 Greene Co. Madison Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>44-6B</u>	<u>14-A-24A (Greene Co.)</u>		
<u>44-6D</u>			

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

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

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

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

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

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

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

Printed name <u>Mark E Taylor</u>	Mailing Address <u>4211 Roosevelt St Hollywood, FL 33021</u>	Landowner Signature <u>Mark E. Taylor</u>
By: Title* <u>Owner</u>	Phone No. <u>954-895-0036</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:
Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.
The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name Susan Trumbo	Mailing Address PO Box 562, Remington Virginia 22734	Permittee Authorized Representative Signature <u>[Signature]</u>
Title Technical Manager	Phone No. 540-547-3300	

Permittee: Recyc Systems, Inc

County or City: Madison & Greene Co.

Landowner: Mark E. Taylor

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).

Mark E. Taylor
Landowner's Signature

9-7-19
Date

J.R. Bredem
Operator's Signature

mailing address & phone

Date

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

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

A. This land application agreement is made on 11/13/19 between Scott A Benning referred to here as "Landowner", and Recyc Systems, Inc. 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 Madison Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.

Table 1: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
	44-6E		

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

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

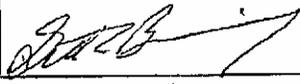
In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

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

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

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

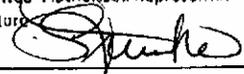
Class B biosolids Water treatment residuals Food processing waste Other industrial sludges
 Yes No Yes No Yes No Yes No

Printed name <u>Scott A Benning</u>	Mailing Address <u>8 Daffodil Lane Stafford, VA 22554</u>	Landowner Signature 
By: Title*	Phone No. <u>571-285-3545</u>	
* <input type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

Permittee:

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

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

Printed name <u>Susan Trumbo</u>	Mailing Address <u>PO Box 562, Remington Virginia 22734</u>	Permittee Authorized Representative Signature 
Title <u>Technical Manager</u>	Phone No. <u>540-547-3300</u>	

Permittee: Recyc Systems, Inc

County or City: Madison

Landowner: Scott A Benning

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:

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


Landowner's Signature

11/13/2019
Date

Operator's Signature

mailing address & phone

Date

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

Landowner Coordination Form

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

Permittee: Recyc Systems, Inc

Site Name: Timothy R Breeden

County or City: Madison

Please Print

Signature not required on this page

<u>Tax Parcel ID(s)</u>	<u>Landowners (s)</u>
44-02	Timothy Randolph Breeden, Hilda B McDaniel, Betty B Weakley (life estate)
44-02B	Timothy Randolph Breeden, Randolph Breeden (deceased)
44-03	Myron Arthur Breeden
44-06	Steve G Taylor
44-06A	Steve G Taylor
44-06B	Cheryl L Benning, Michael E Taylor, Mark E Taylor Elvin E Taylor (life estate)
44-06D	Cheryl L Benning, Michael E Taylor, Mark E Taylor Elvin E Taylor (life estate)
44-06E	Cheryl L Benning or Scott Anthony Benning
45-17F	Steve G Taylor

FARM DATA SHEET

SITE NAME:	Timothy R Breeden	COUNTY:	Madison
OWNER:	See Attached	OPERATOR:	Timothy R Breeden
OWNER'S ADDRESS:		OPERATOR'S ADDRESS:	45 Kinderhook Road Madison VA 22727
OWNER'S TELEPHONE:		OPERATOR'S TELEPHONE:	540-717-3074
GENERAL FARM TYPE:	Hay/ Pasture	CELL PHONE:	
# CATTLE:	130	EMAIL:	
LAGOON or SLURRY:	None	LATITUDE:	36.363
TOPO QUAD:	Stanardsville	LONGITUDE:	-78.419
COMMENTS:		METHOD OF DETERMINATION:	Online Maps

Property Owners and Contact Information

Timothy R Breeden
45 Kinderhook Road
Madison VA 22727
540-717-3074

44-02, 44-02B

Myron A Breeden
405 Kinderhook Road
Madison VA 22727
540-948-6068

44-03

Steve G Taylor
801 Kinderhook Road
Madison VA 22727
540-948-4697

44-06, 44-06A
45-17F

Cheryl L Benning
8 Daffodil Lane
Stafford VA 22554
757-567-4540

44-06B, 44-06D

Cheryl L Benning
Or Scott Anthony Benning

44-06E

Michael E Taylor
105 Hill Crest Drive
Ruckersville VA 22968
434-985-8053

44-06B, 44-06D

Mark E Taylor
4211 Roosevelt St
Hollywood FL 33021
954-895-0036

44-06B, 44-06D

RECYC SYSTEMS, INC

FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #	FSA Field #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood				
MATRB-01	28.8	WmB Nov-Apr	-----	-----	-----	RA 25	44-02 44-03	1756	2, 3
MATRB-02	2.9	Rh Jan-Dec	-----	-----	Rh Jan-Dec	RA 25	44-02	1756	6, 0
MATRB-03	14.4	Ad Nov-May Rh Jan-Dec	-----	-----	Ad Nov-May Rh Jan-Dec	RA 25	44-02B 44-03	1756	4, 8
MATRB-04	4.6	Ad Nov-May Rh Jan-Dec Cn Nov-Apr	-----	-----	Ad Nov-May Rh Jan-Dec Cn Nov-Apr	RA 25	44-03	1756	5
MATRB-05	14.4	WmB Nov-Apr	-----	-----	-----	RA 25	44-03	1755	1, 3
MATRB-06	11.6	WmB Nov-Apr	-----	-----	-----	RA 25	44-03	1755	2
MATRB-07	27.6	Ad Nov-May Rh Jan-Dec Cn Nov-Apr WmB Nov-Apr	-----	-----	Ad Nov-May Rh Jan-Dec Cn Nov-Apr	RA 25	44-03 44-06A	1755	4, 5

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #	FSA Field #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood				
MATRB-08	3.7	WmB Nov-Apr	-----	-----	-----	RA 25	44-06	3825	1
MATRB-09	6.8	WmB Nov-Apr	-----	-----	-----	RA 25	44-06 44-06A	3825	2
MATRB-10	7.9	-----	-----	-----	-----	RA 25	44-06A	3825	3
MATRB-11	5.4	Cn Nov-Apr	-----	-----	Cn Nov-Apr	RA 25	44-06A 44-06E	3825	8
MATRB-12	3.1	Cn Nov-Apr	-----	-----	Cn Nov-Apr	RA 25	44-06B 44-06D	3827	23
MATRB-13	8.9	-----	-----	-----	-----	RA 25	44-06D	3827	4
MATRB-14	13.5	-----	-----	-----	-----	RA 25	44-06B 44-06D	3827	6
MATRB-15	5.4	-----	-----	-----	-----	RA 25	44-06B	3453	1
MATRB-16	11.0	Ad Nov-May Rh Jan-Dec Cn Nov-Apr	-----	-----	Ad Nov-May Rh Jan-Dec Cn Nov-Apr	RA 25	44-06A	3825	7

Nutrient Management Plan Balance Sheet
(Fall, 2019-Winter, 2024)
Timothy R Breeden
Planner: Susan Trumbo (cert. No. 103)

Tract: 1755 Location: Madison
(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
1/TRB 05(N)	14/14	2019 2020	Hay/Pasture	120-80-170 120-80-170	0/0 0/0				120-80-170 120-160-340	N/A N/A		
2/TRB 06(N)	12/12	2019 2020	Fescue grass hay mt.	90-80-170 90-80-170	0/0 0/0				90-80-170 90-160-340	N/A N/A		
4 5/TRB 07(N)	28/28	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		

Commercial Application Methods:
br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 1756 Location: Madison
 (N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
2 3/TRB 01(N)	29/29	2019 2020	Grass Pasture	50-30-40 50-30-40	0/0 0/0				50-30-40 50-60-80	N/A N/A		
6 0/TRB 02(N)	3/3	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		
4 8/TRB 03(N)	14/14	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		
5/TRB 04(N)	5/5	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		

Commercial Application Methods:
 br - Broadcast ba - Banded sd - Sidedress
 Notes:

Tract: 3453

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - applied N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
1/TRB 15(N)	5/5	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A		
		2020		50-80-80	0/0				50-160-160	N/A		
2/TRB 17(N)	16/16	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A		
		2020		70-50-95	0/0				70-100-190	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3825

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - applied N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
1/TRB 08(N)	4/4	2019 2020	Grass Pasture	50-30-40 50-30-40	0/0 0/0				50-30-40 50-60-80	N/A N/A		
2/TRB 09(N)	7/7	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		
3/TRB 10(N)	8/8	2019 2020	Fescue grass hay mt.	90-80-170 90-80-170	0/0 0/0				90-80-170 90-160-340	N/A N/A		
8/TRB 11(N)	5/5	2019 2020	Grass Pasture	50-80-80 50-80-80	0/0 0/0				50-80-80 50-160-160	N/A N/A		
7/TRB 16(N)	11/11	2019 2020	Fescue grass hay mt.	70-50-95 70-50-95	0/0 0/0				70-50-95 70-100-190	N/A N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3826

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
12 13/TRB 21(N)	19/19	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A		
		2020		70-50-95	0/0				70-100-190	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3827

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - applied N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
23/TRB 12(N)	3/3	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A		
		2020	Grass Pasture	50-80-80	0/0				50-160-160	N/A		
4/TRB 13(N)	9/9	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A		
		2020	Grass Pasture	50-80-80	0/0				50-160-160	N/A		
6/TRB 14(N)	14/14	2019	Grass Pasture	50-80-80	0/0				50-80-80	N/A		
		2020	Grass Pasture	50-80-80	0/0				50-160-160	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 3828

Location: Madison

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosid Rate & Type (season)	IT (d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
9/TRB 18(N)	8/8	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A		
		2020		70-50-95	0/0				70-100-190	N/A		
10 18/TRB 19(N)	3/3	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A		
		2020		70-50-95	0/0				70-100-190	N/A		
11/TRB 20(N)	5/5	2019	Fescue grass hay mt.	70-50-95	0/0				70-50-95	N/A		
		2020		70-50-95	0/0				70-100-190	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay
1755	1755/1	TRB 05	14	Eubanks	IIb	I	II	II
	1755/2	TRB 06*	12	Eubanks	IIIb	II	III	III
	1755/4 5	TRB 07*	28	Alluvial land	V	V	III	Not Suited
1756	1756/2 3	TRB 01	29	Eubanks	IIIa	II	III	III
	1756/6 0	TRB 02*	3	Eubanks	IVb	IV	III	IV
	1756/4 8	TRB 03*	14	Riverwash	V	V	Not Suited	Not Suited
	1756/5	TRB 04*	5	Alluvial land	V	V	III	Not Suited
3453	3453/1	TRB 15	5	Eubanks	IIb	I	II	II
	3453/2	TRB 17*	16	Alluvial land	V	V	III	IV
3825	3825/1	TRB 08*	4	Worsham	IVa	II	III	III
	3825/2	TRB 09	7	Eubanks	IIIa	I	II	II
	3825/3	TRB 10	8	Eubanks	IIb	I	II	II
	3825/8	TRB 11*	5	Eubanks	IIIa	II	II	III
	3825/7	TRB 16*	11	Alluvial land	V	V	III	Not Suited
3826	3826/12 13	TRB 21*	19	Alluvial land	V	V	III	IV
3827	3827/23	TRB 12	3	Hiwassee	IIb	I	II	II
	3827/4	TRB 13	9	Braddock	IIb	I	II	II
	3827/6	TRB 14*	14	Tusquitee	IIa	I	II	I
3828	3828/9	TRB 18*	8	Codorus	IVa	IV	III	III
	3828/10 18	TRB 19*	3	Meadowville	IVa	III	III	II
	3828/11	TRB 20*	5	Meadowville	IVb	IV	III	III

* Do not apply manure or biosolids more than 30 days prior to planting. Apply commercial fertilizer nitrogen to row crops in split spring applications.

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre
I	>170	>80	>64	>6
II	150-170	70-80	56-64	4-6
III	130-150	60-70	48-56	<4
IV	100-130	50-60	40-48	NA
V	<100	<50	<40	NA

Farm Summary Report

Plan: New Plan Fall, 2019 - Winter, 2024

Farm Name: Timothy R Breeden
Location: Madison
Specialist: Susan Trumbo
N-based Acres: 221.6
P-based Acres: 0.0

Tract Name: 1755
FSA Number: 1755
Location: Madison

Field Name: TRB 05
Total Acres: 14.40 Usable Acres: 14.40
FSA Number: 1
Tract: 1755
Location: Madison
Slope Class: C Hydrologic Group: D

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

Conservation Practices:
Pasture (>75% cover)

P-Index Summary

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

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
---------	--------	-------------

10	BcB	Braddock Thurmont
35	EtC2	Eubanks
15	EtD2	Eubanks
15	EyC2	Eubanks Lloyd
25	MvB	Meadowville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.6 * ton	Hay/Pasture - No Till
2020-Sp	2.6 * ton	Hay/Pasture - No Till

Field Name: TRB 06

Total Acres: 11.60 Usable Acres: 11.60
 FSA Number: 2
 Tract: 1755
 Location: Madison
 Slope Class: C Hydrologic Group: C

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

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

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	BnD	Brandywine
10	BnF	Brandywine

15	EtB	Eubanks
50	EtC2	Eubanks
5	EtD2	Eubanks
10	WmB	Worsham

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	3.0 * tons	Fescue grass (hay), maint. - No Till
2020-Sp	3.0 * tons	Fescue grass (hay), maint. - No Till

Field Name: TRB 07

Total Acres: 27.60 Usable Acres: 27.60

FSA Number: 4 5

Tract: 1755

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
50	Ad	Alluvial land
30	Cn	Codorus
15	Rh	Riverwash
5	WmB	Worsham

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	0.6 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	0.6 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: 1756
FSA Number: 1756
Location: Madison

Field Name: TRB 01
Total Acres: 28.80 **Usable Acres:** 28.80
FSA Number: 2 3
Tract: 1756
Location: Madison
Slope Class: C **Hydrologic Group:** D

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
35	EtC2	Eubanks
15	EtD2	Eubanks
15	EyC2	Eubanks Lloyd
5	MvB	Meadowville
20	TrC	Trego
10	WmB	Worsham

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.2 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	2.2 * acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 02

Total Acres: 2.90 Usable Acres: 2.90
FSA Number: 6 0
Tract: 1756
Location: Madison
Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
40	EtC2	Eubanks
20	MvB	Meadowville
20	Rh	Riverwash
20	RtD	Rock land

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with perent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	0.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	0.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 03

Total Acres: 14.40 Usable Acres: 14.40

FSA Number: 4 8

Tract: 1756

Location: Madison

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
30	Ad	Alluvial land
70	Rh	Riverwash

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	0.0 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	0.0 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 04

Total Acres: 4.60 Usable Acres: 4.60

FSA Number: 5

Tract: 1756

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
60	Ad	Alluvial land
20	Cn	Codorus
10	MvB	Meadowville
10	Rh	Riverwash

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	0.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	0.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: 3453

FSA Number: 3453

Location: Madison

Field Name: TRB 15

Total Acres: 5.40 Usable Acres: 5.40

FSA Number: 1

Tract: 3453

Location: Madison

Slope Class: C Hydrologic Group: C

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
10	BnF	Brandywine
55	EtC2	Eubanks
35	MvB	Meadowville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	1.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 17

Total Acres: 16.40 Usable Acres: 16.40

FSA Number: 2

Tract: 3453

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
50	Ad	Alluvial land
50	Cn	Codorus

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.9 tons	Fescue grass (hay), maint. - No Till
2020-Sp	1.9 tons	Fescue grass (hay), maint. - No Till

Tract Name: 3825

FSA Number: 3825

Location: Madison

Field Name: TRB 08

Total Acres: 3.70 Usable Acres: 3.70

FSA Number: 1

Tract: 3825

Location: Madison
Slope Class: C Hydrologic Group: D

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

Conservation Practices:
Pasture (>75% cover)

P-Index Summary

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

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	BnD	Brandywine
5	EtC2	Eubanks
40	EtD2	Eubanks
50	WmB	Worsham

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with percent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.9 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	2.9 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 09

Total Acres: 6.80 Usable Acres: 6.80
FSA Number: 2
Tract: 3825
Location: Madison
Slope Class: B Hydrologic Group: C

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
25	EtB	Eubanks
40	EtC2	Eubanks
20	MvB	Meadowville
15	WmB	Worsham

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	1.7 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 10

Total Acres: 7.90 Usable Acres: 7.90
FSA Number: 3
Tract: 3825

Location: Madison
Slope Class: C Hydrologic Group: C

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
70	EtC2	Eubanks
30	EtD2	Eubanks

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	3.4 * tons	Fescue grass (hay), maint. - No Till
2020-Sp	3.4 * tons	Fescue grass (hay), maint. - No Till

Field Name: TRB 11

Total Acres: 5.40 Usable Acres: 5.40

FSA Number: 8

Tract: 3825

Location: Madison

Slope Class: D Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	BcC	Braddock Thurmont
5	BnF	Brandywine
10	Cn	Codorus
80	EtD2	Eubanks

Field Warnings:

Environmentally Sensitive Soils due to:

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

Soils with percent slope in excess of 15%

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.5 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	1.5 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 16

Total Acres: 11.00 Usable Acres: 11.00

FSA Number: 7

Tract: 3825

Location: Madison

Slope Class: C Hydrologic Group: D

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
60	Ad	Alluvial land
30	Cn	Codorus
10	Rh	Riverwash

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with perent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.1 tons	Fescue grass (hay), maint. - No Till
2020-Sp	1.1 tons	Fescue grass (hay), maint. - No Till

Tract Name: 3826

FSA Number: 3826

Location: Madison

Field Name: TRB 21

Total Acres: 19.20 Usable Acres: 19.20

FSA Number: 12 13

Tract: 3826

Location: Madison

Slope Class: C Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
55	Ad	Alluvial land
35	Cn	Codorus
10	MvB	Meadowville

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.8 tons	Fescue grass (hay), maint. - No Till

2020-Sp 1.8 tons Fescue grass (hay), maint. - No Till

Tract Name: 3827
FSA Number: 3827
Location: Madison

Field Name: TRB 12
Total Acres: 3.10 **Usable Acres:** 3.10
FSA Number: 23
Tract: 3827
Location: Madison
Slope Class: B **Hydrologic Group:** C

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

Conservation Practices:
Pasture (>75% cover)

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

Soil Test Results:
DATE PH P K Lab
[NO TEST]

Soils:

PERCENT	SYMBOL	SOIL SERIES
25	Cn	Codorus
65	HsB	Hiwassee
10	MvB	Meadowville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.2 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

2020-Sp 1.2 acres/AU Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 13

Total Acres: 8.90 Usable Acres: 8.90

FSA Number: 4

Tract: 3827

Location: Madison

Slope Class: B Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
	[NO TEST]			

Soils:

PERCENT	SYMBOL	SOIL SERIES
60	BcB	Braddock Thurmont
25	EtC2	Eubanks
15	MvB	Meadowville

Field Warnings:

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	1.3 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Field Name: TRB 14

Total Acres: 13.50 Usable Acres: 13.50

FSA Number: 6
Tract: 3827
Location: Madison
Slope Class: C Hydrologic Group: C

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

Conservation Practices:
Pasture (>75% cover)

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

Soil Test Results:
DATE PH P K Lab
[NO TEST]

Soils:

PERCENT	SYMBOL	SOIL SERIES
35	EtC2	Eubanks
25	MvB	Meadowville
40	TuC	Tusquitee

Field Warnings:
Environmentally Sensitive Soils due to:

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

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	1.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till
2020-Sp	1.1 acres/AU	Orchard grass/fescue pastures<=25% legume, maint. - No Till

Tract Name: 3828
FSA Number: 3828

Location: Madison

Field Name: TRB 18

Total Acres: 8.10 Usable Acres: 8.10

FSA Number: 9

Tract: 3828

Location: Madison

Slope Class: D Hydrologic Group: D

Riparian buffer width: 0 ft

Distance to stream: 0 ft

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	Ad	Alluvial land
45	Cn	Codorus
10	MvB	Meadowville
40	We	Wehadkee

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.6 tons	Fescue grass (hay), maint. - No Till
2020-Sp	2.6 tons	Fescue grass (hay), maint. - No Till

Field Name: TRB 19

Total Acres: 3.10 Usable Acres: 3.10
FSA Number: 10 18
Tract: 3828
Location: Madison
Slope Class: D Hydrologic Group: D

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

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

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
5	EtD2	Eubanks
50	MvB	Meadowville
45	We	Wehadkee

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.9 tons	Fescue grass (hay), maint. - No Till
2020-Sp	2.9 tons	Fescue grass (hay), maint. - No Till

Field Name: TRB 20

Total Acres: 4.80 Usable Acres: 4.80
FSA Number: 11
Tract: 3828
Location: Madison
Slope Class: D Hydrologic Group: D

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

Conservation Practices:

Pasture (>75% cover)

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE	PH	P	K	Lab
[NO TEST]				

Soils:

PERCENT	SYMBOL	SOIL SERIES
15	Ad	Alluvial land
45	MvB	Meadowville
40	We	Wehadkee

Field Warnings:

Environmentally Sensitive Soils due to:

Soils with percent slope in excess of 15%

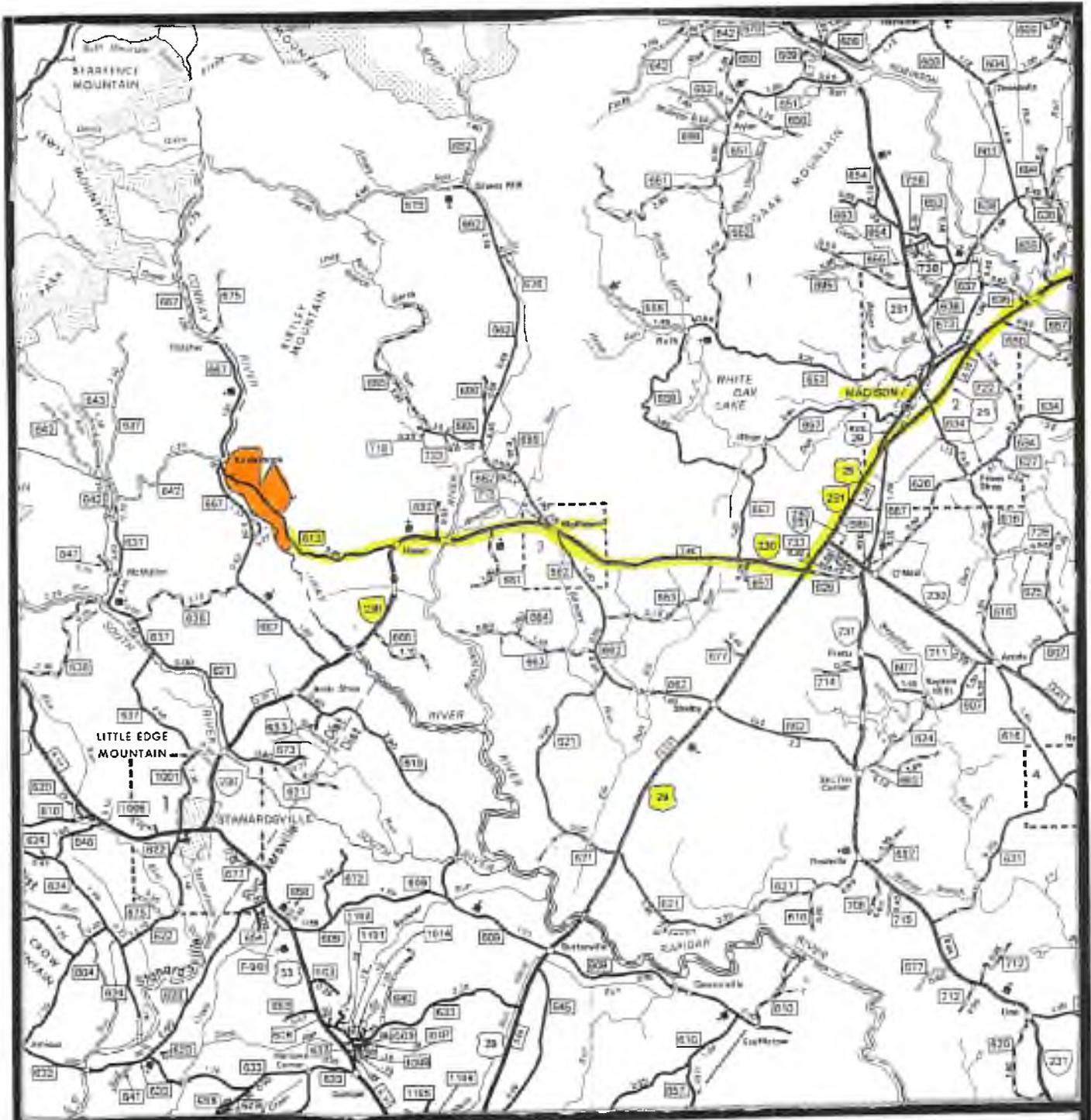
Floodplains as identified by soils prone to frequent flooding in county soil surveys

Crop Rotation:

PLANTED	YIELD	CROP NAME
2019-Fa	2.4 tons	Fescue grass (hay), maint. - No Till
2020-Sp	2.4 tons	Fescue grass (hay), maint. - No Till

M P

Recyc Systems™ Inc. (Biosolids Land Application)



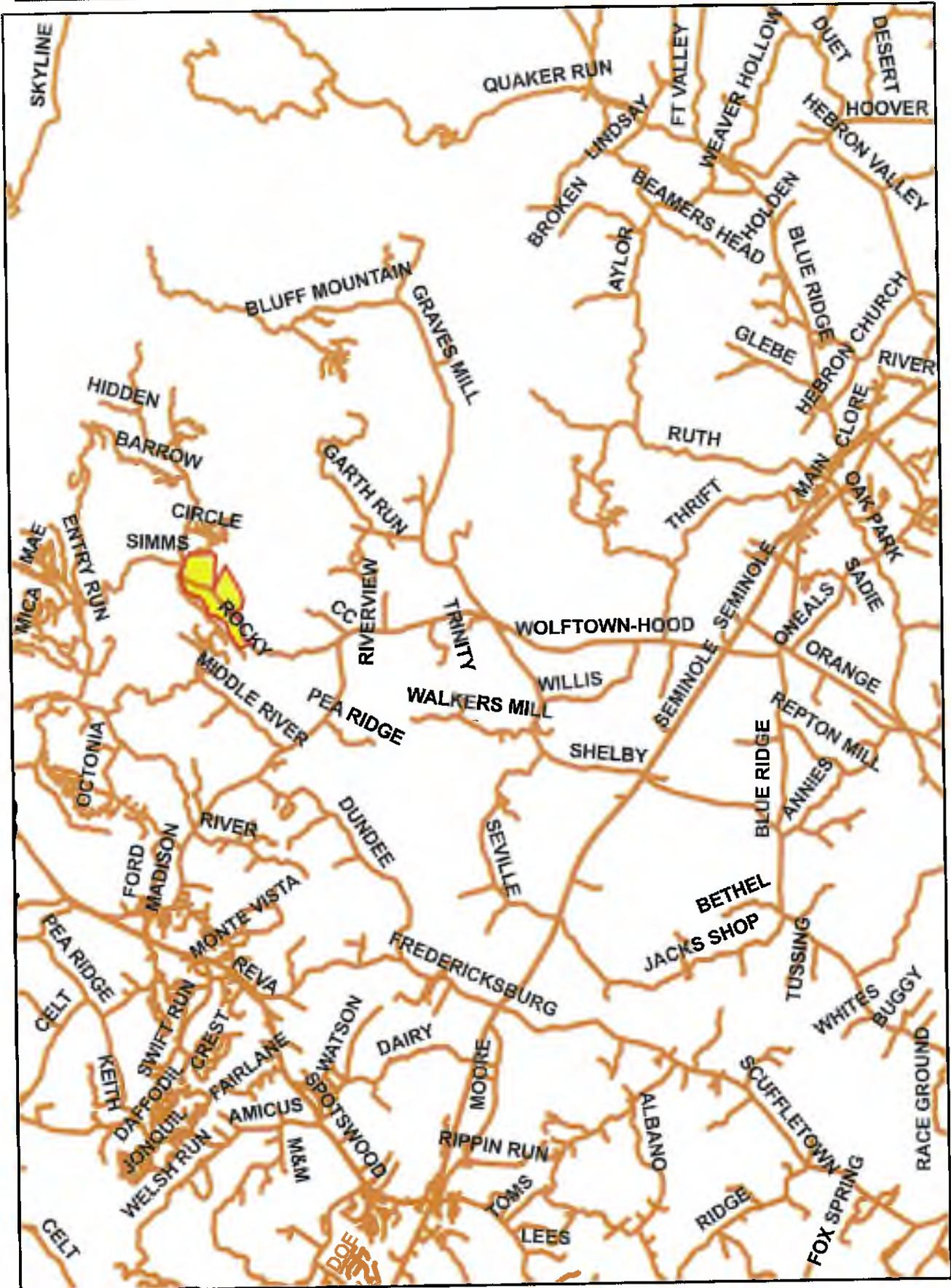
Scale: 1" = 2 Miles

VICINITY MAP

Truck Route marked in Yellow



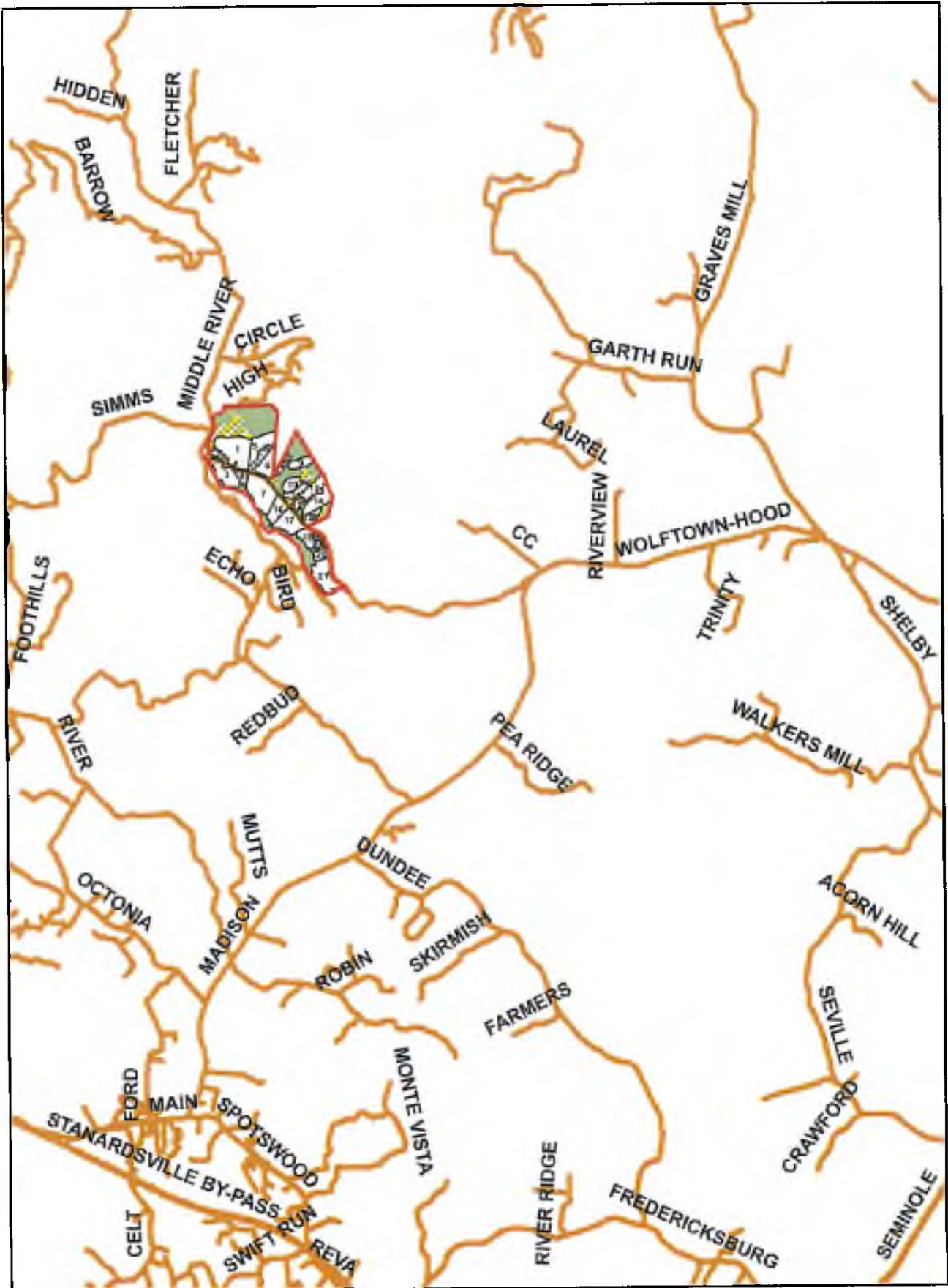
9-23-19



VICINITY MAP

1 in = 2 miles

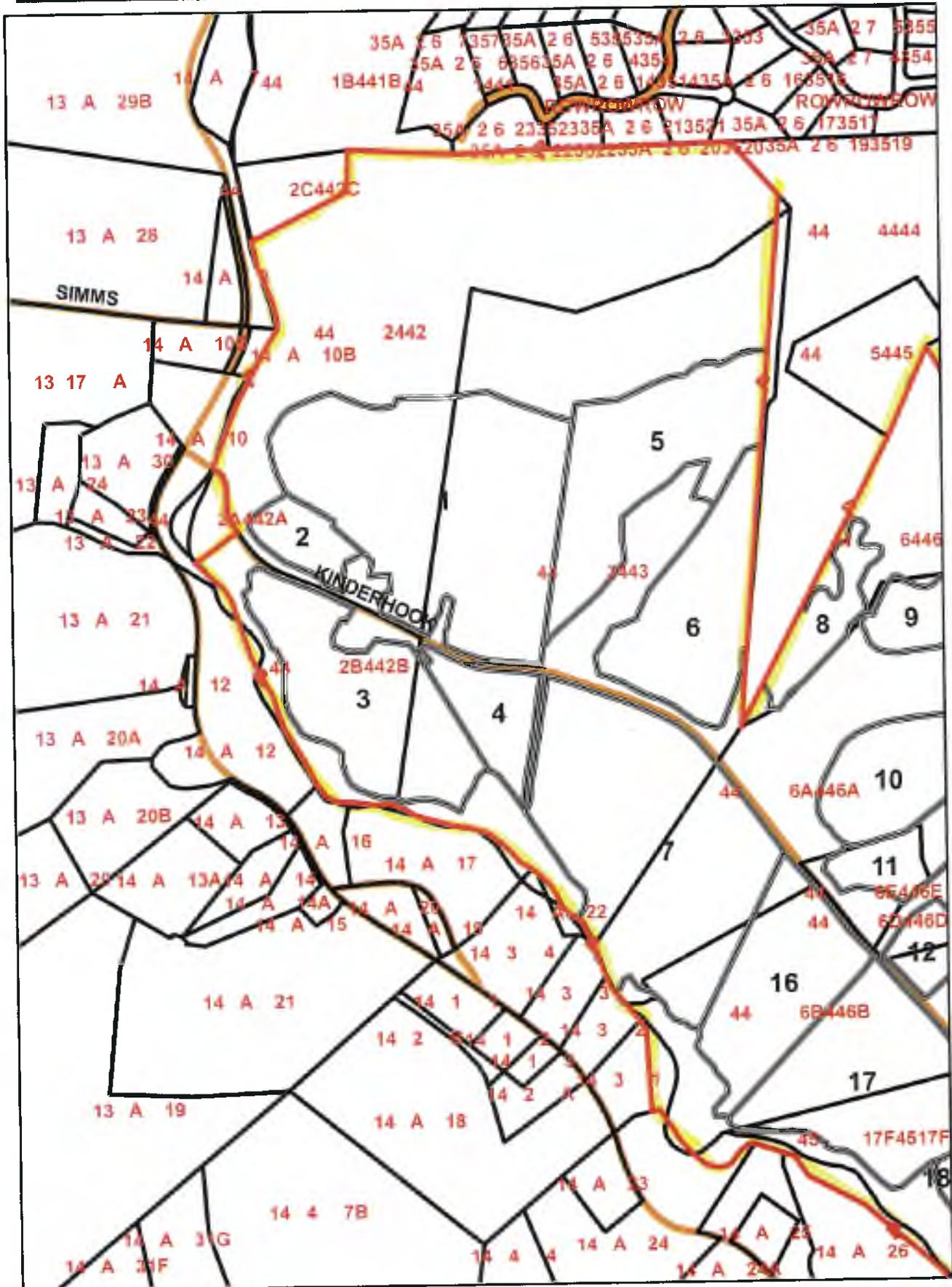
9-23-19



VICINITY MAP

1 in = 1 mile

9-23-19

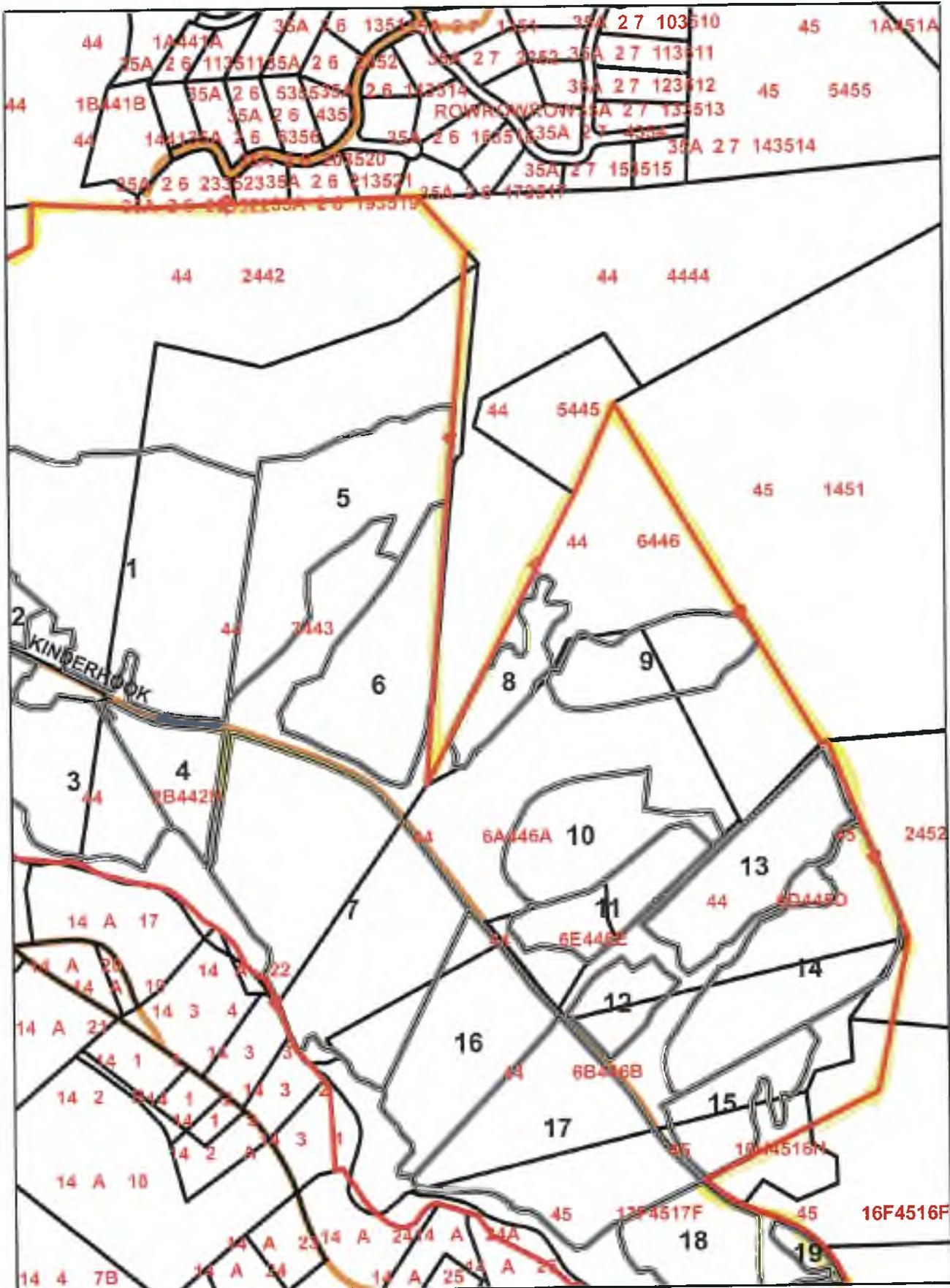


TAX MAP

1 in = 660 feet



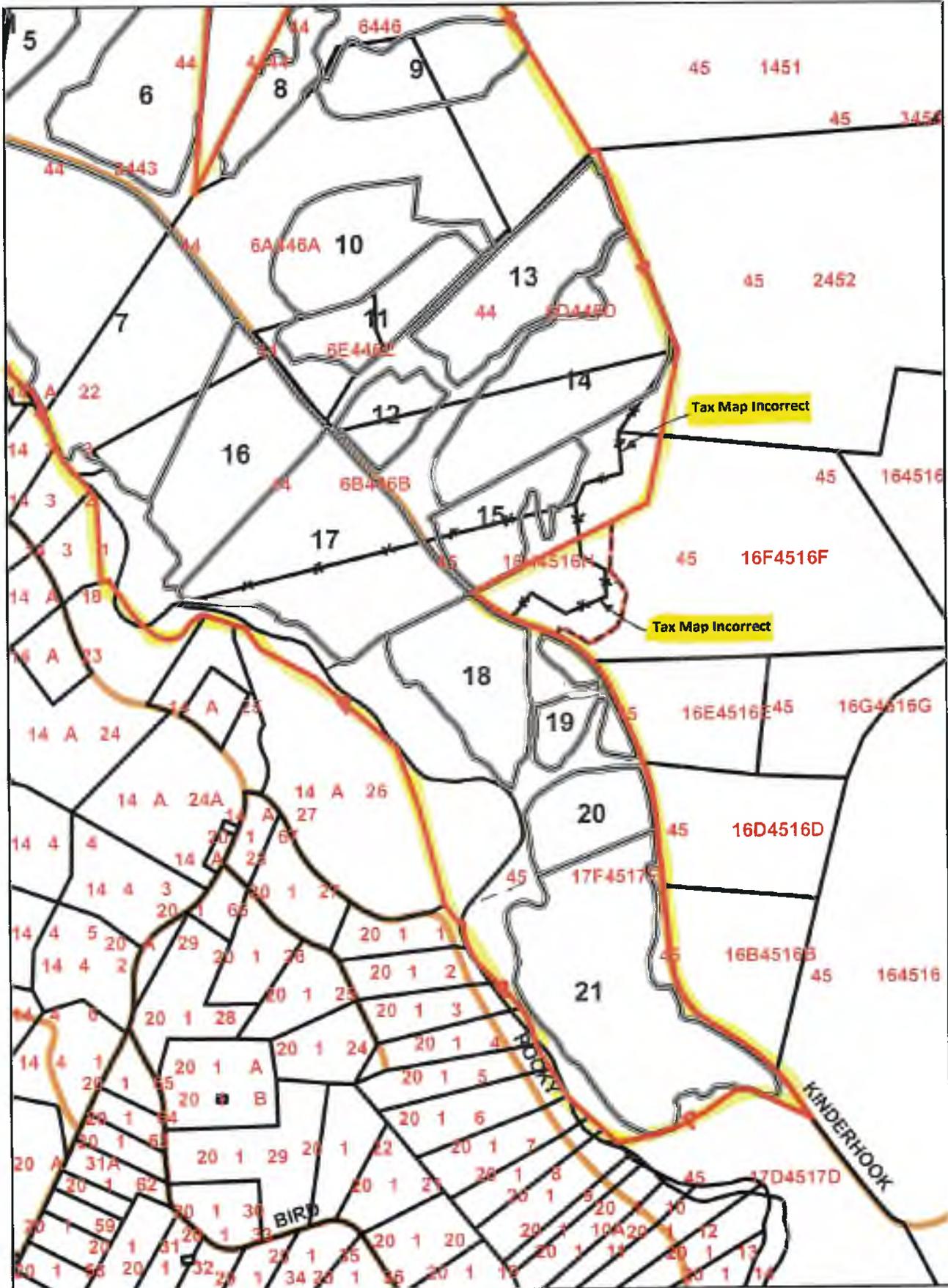
9-23-19



9-23-19

TAX MAP

1 in = 660 feet



TAX MAP

1 in = 660 feet

9-23-19

Recyc SystemsTM Inc. (Biosolids Land Application)



Scale: 1" = 660'

Survey Map



ADJOINING LANDOWNERS

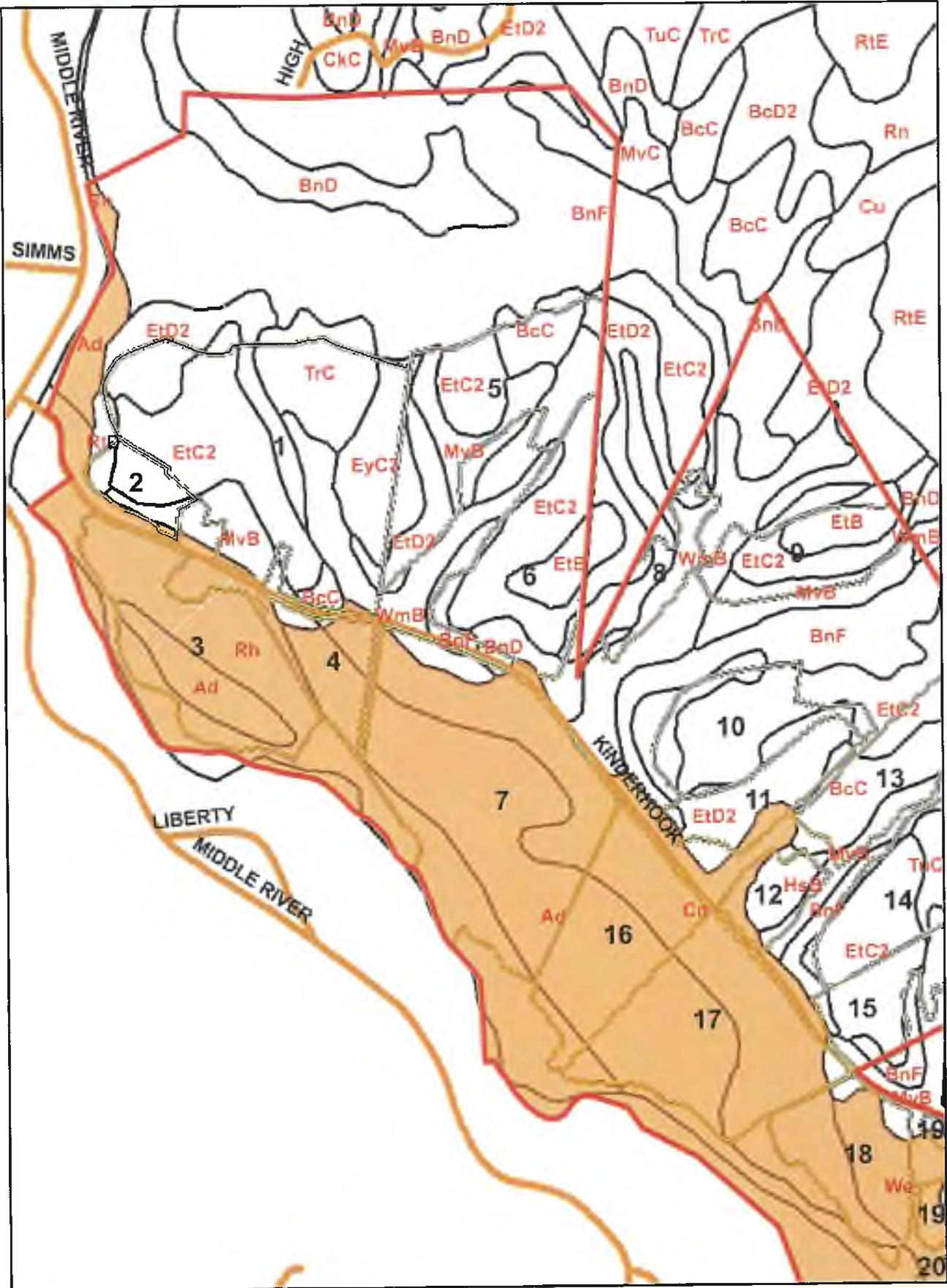
Madison County

Timothy R Breeden

Tax Map Number	Owner Name(s)
44-02C	Wilbur David Deane
44-01B	Max M & Penny L Greiner
44-01	Ken C York etals
35-A-2-6-23	Stephen M Smith
35-A-2-6-6	Bobbie Decatur
35-A-2-6-5	Bobbie Decatur
35-A-2-6-22	John Rust Schafer
35-A-2-6-4	Frank L Bowman III & Linda C, Trustees
35-A-2-6-21	John Rust Schafer
35-A-2-6-20	Thomas S Underwood
35-A-2-6-19	Thomas S Underwood
35-A-2-6-16	Thomas S Underwood
35-A-2-6-17	Thomas S Underwood
35-A-2-6-18	Thomas S Underwood

Tax Map Number	Owner Name(s)
44-04	Gene D Breeden
44-05	James Michael Breeden
45-01	Mildred Elaine McGrath
45-02	Donald D Montagna etals
45-16F	Gregory A & Edna Ann Slaven
45-16H	Rebecca D Fisher
45-16E	Peter W & Susan G Brambey
45-16D	Larry G & Susan O Kennedy
45-16B	Charles R & Mary W Whitfield
45-16	David M & Patricia D Crowe
45-17D	Samuel D & Susan P Good
Greene County	
20-1-14	Desaray L Pollard
20-1-13	Denice O Balch
20-1-12	Crystal Lane Mestayer
20-1-11	Crystal Lane Mestayer
20-1-10	Shaw T & Jennifer R Hill
20-1-9	Keith W Cantrell, Trustee
20-1-8	Brain R & Malorie Kemmerer
20-1-7	Candace Brook Deane
20-1-6	Joey W Blom & Marie Kellow
20-1-5	Daniel T & Rebecca L Baker
20-1-4	Chad K Shelton & Kimberly D Shepherd
20-1-3	Artale Construction LLC
20-1-2	Artale Construction LLC
20-1-1	Stephen R & Sandra C Ramsey

Tax Map Number	Owner Name(s)
14-A-26	William D & Lorie Beth Mason
14-A-26A	William D & Lorie Beth Mason
14-A-24A	Cheryl Lynn Benning et als
14-A-24	Steve G Taylor
14-3-1	Michael & Wendy M Malloy
14-3-2	Donald Wayne & Cynthia K Shifflett
14-3-3	Gabriel A & Candace A Scott
14-3-4	F W K Land Trust
14-A-17	Peter G & Beatrice B Crane
14-A-16	Jessica Roach
14-A-13	Thomas G & Lena M Taylor
14-A-12	Michael Campbell
14-A-10	Zachery K Fleming & Katelyn Nicole Sykes
14-A-10B	Thomas W & Carol A Veirs
14-A-7	Richard B Britton
14-A-5A	Cole L Roberts
13-A-21	Cecil B & Alice L Taylor
13-A-22	Robert N Marshall
13-A-23	Robert N Marshall
13-A-30	Julie A Deane
13-A-29B	Catherine Ann Downey
13-A-28	Clarence W Shifflett, Jr etals

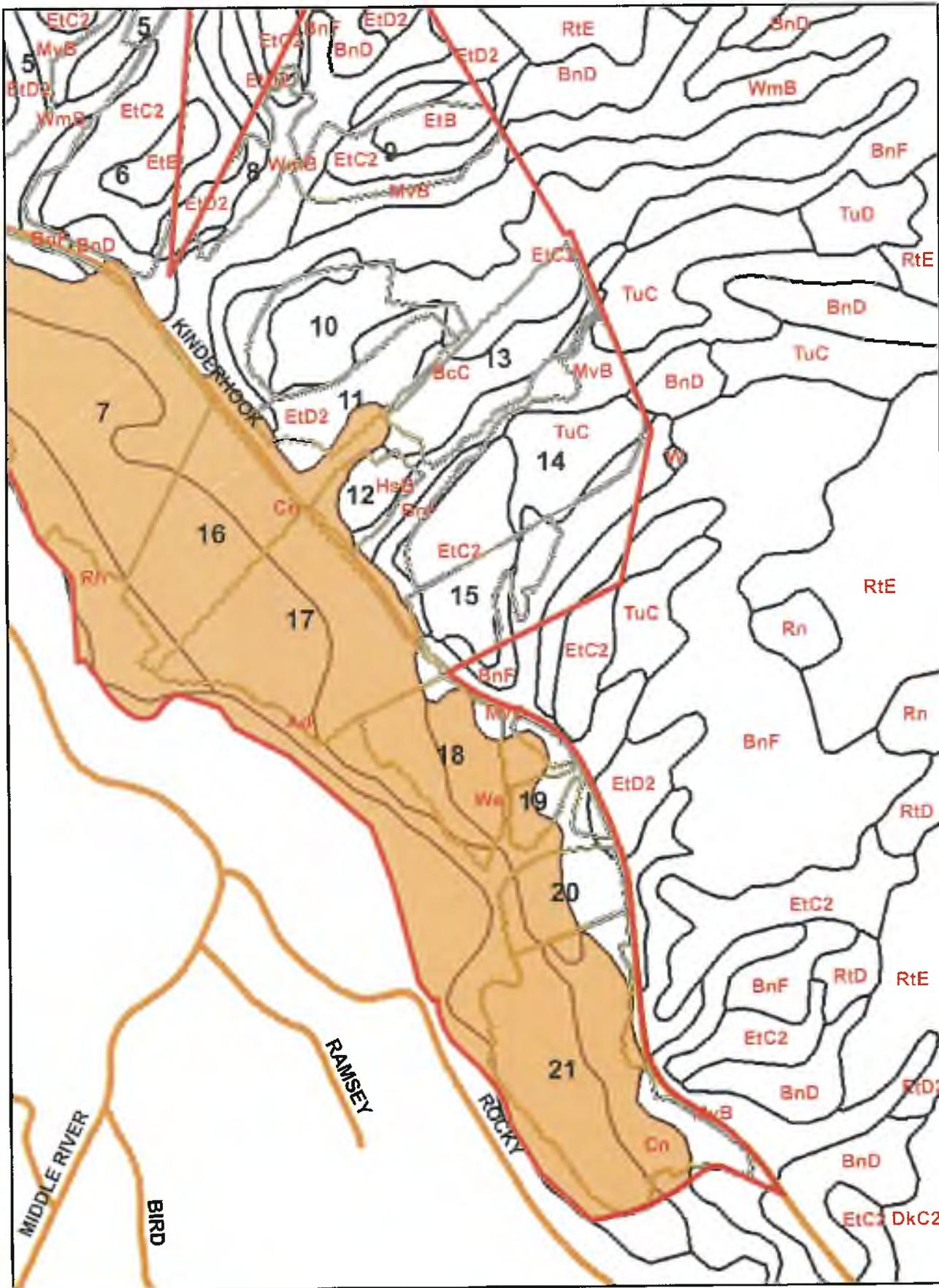


Frequent Flooding
marked in Orange

SOIL MAP

1 in = 660 feet

9-23-19

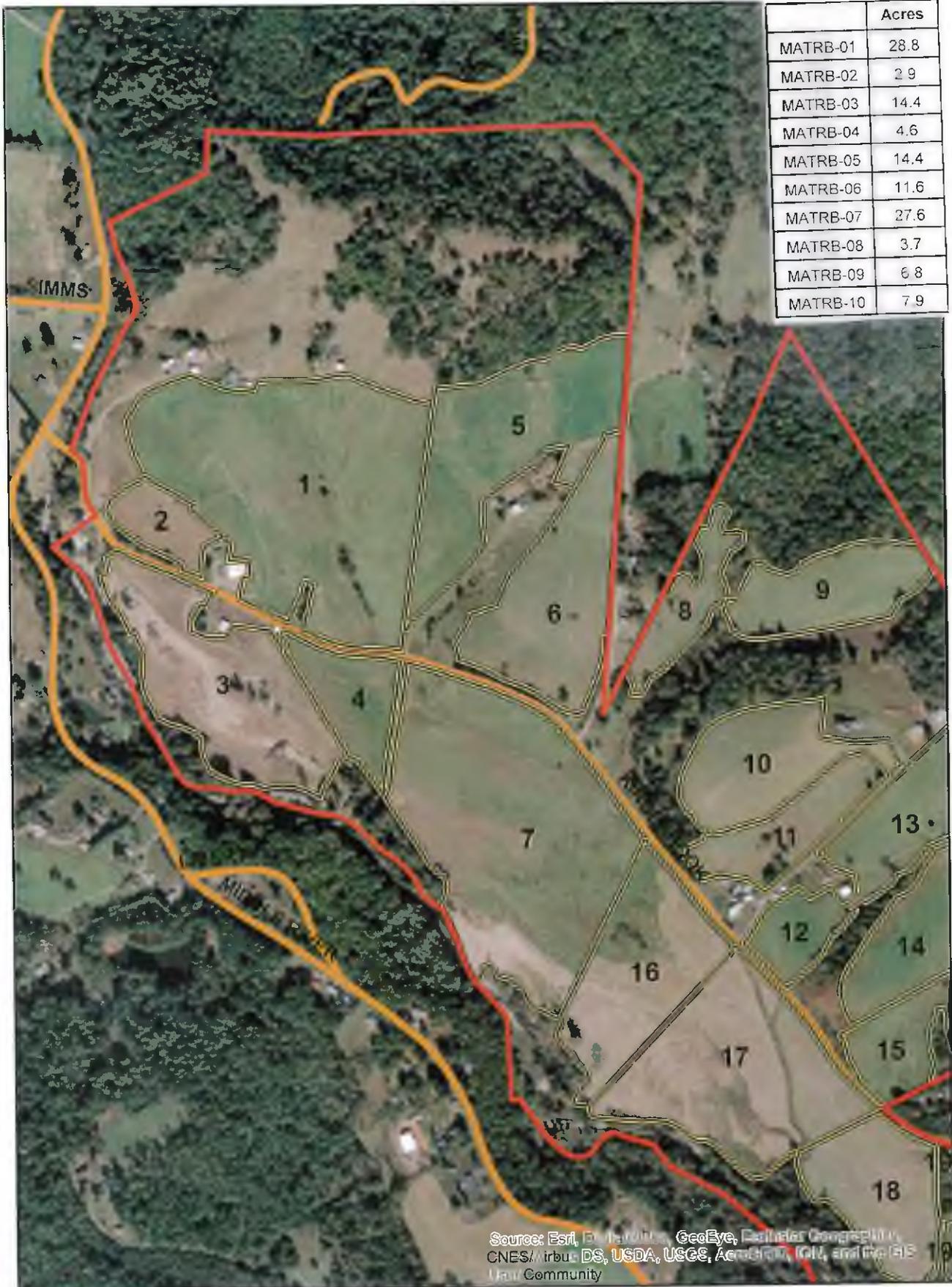


Frequent Flooding marked in Orange

SOIL MAP

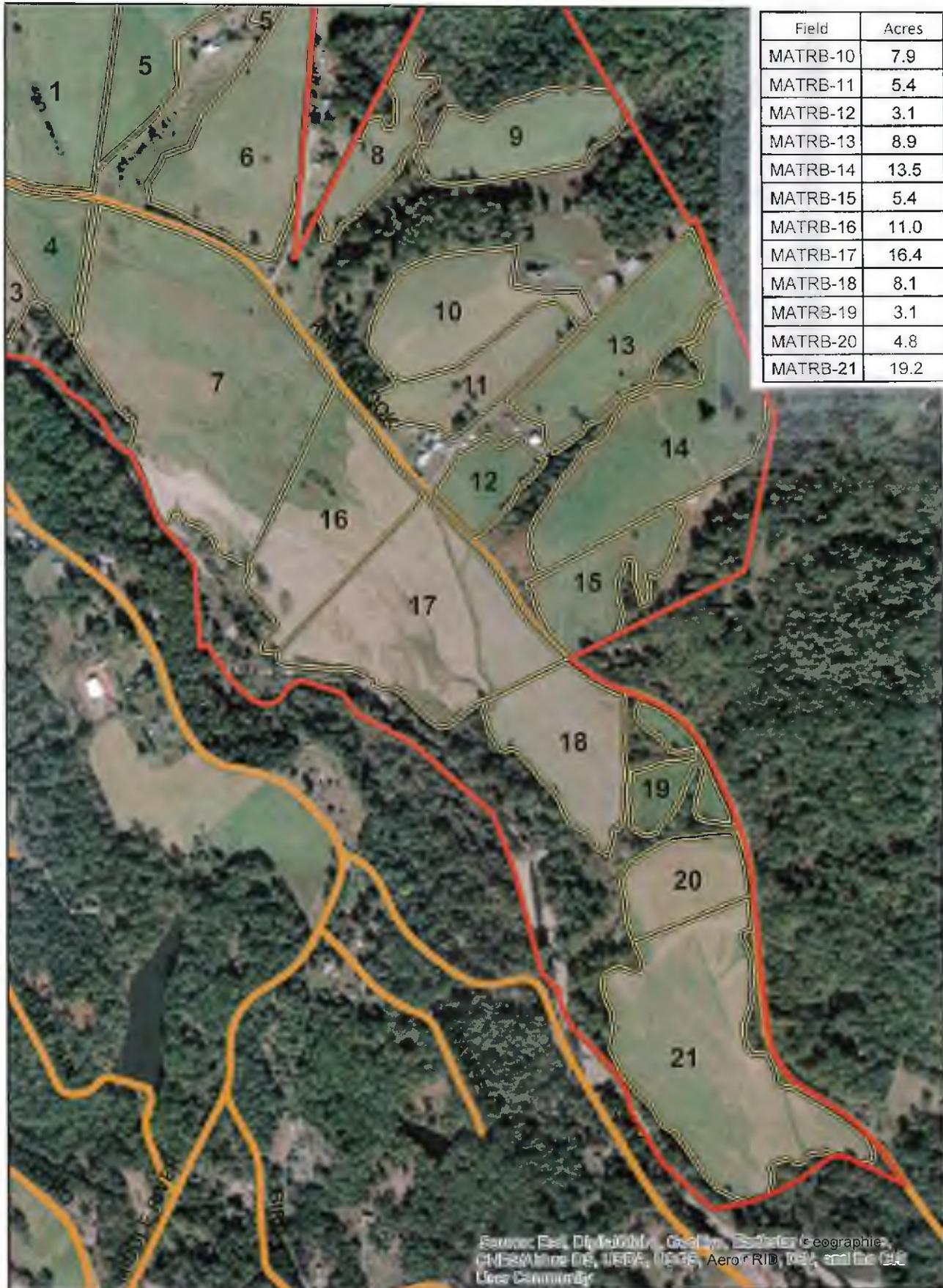
1 in = 660 feet

92319



AERIAL MAP

1 in = 660 feet



9-23-19

AERIAL MAP

1 in = 660 feet



UNITED STATES DEPARTMENT OF
AGRICULTURE



0 0.05 0.1 0.2 Miles

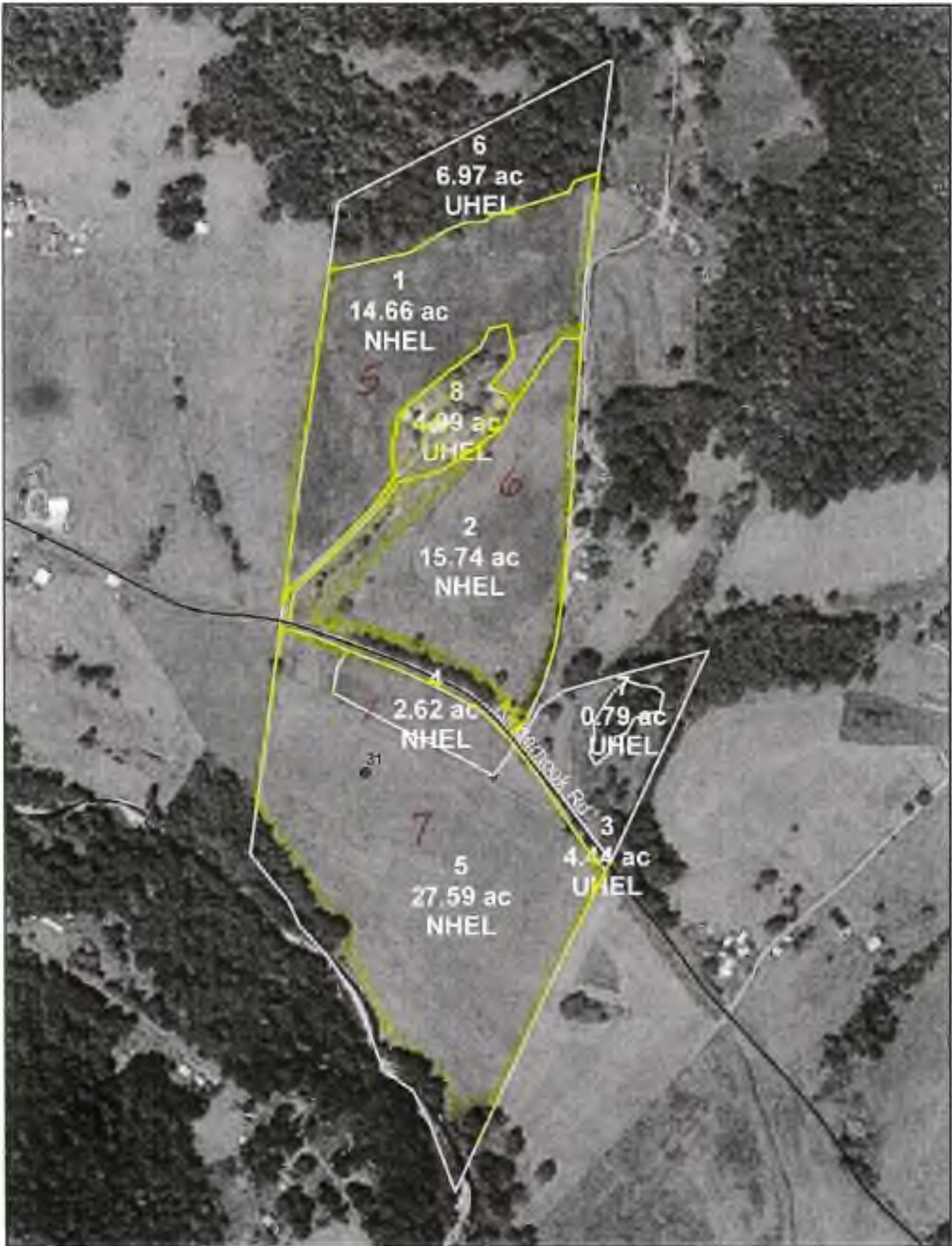
FSN 405 Tract 1756
Timothy Breeden



9-23-19 Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



UNITED STATES DEPARTMENT OF
AGRICULTURE

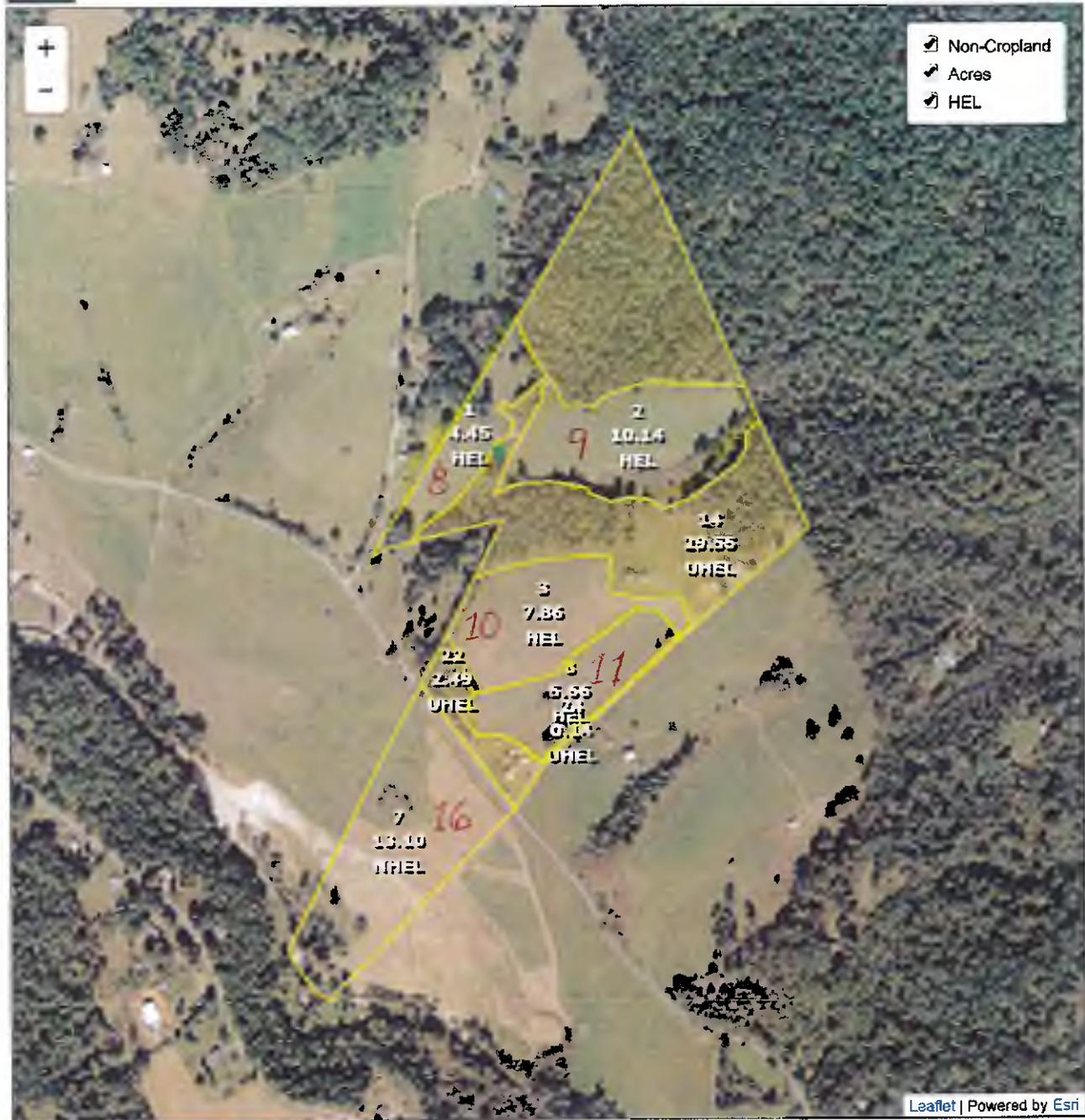


FSN 490 Tract 1755
Myron Breeden

9-23-19

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original

USDA Madison County, Virginia



Common Land Unit
 Cropland Non-cropland CRP

Farm 1690
 Tract 3825

Wetland Determination Identifiers
 Restricted Use
 Limited Restrictions
 Exempt from Conservation Compliance Provisions

2020 Crop Year
 N
 W E
 S
 Tract 1 of 2

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data "as is" and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).



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0 0.035 0.07 0.14 Miles

FSN 1689 Tract 3827
Elvin Taylor

Date: 4/4/2019



9-23-19
Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original



Farm 1218

Tract 3453

2020 Program Year

Map Created June 27, 2019

Common Land Unit

- Non-Cropland
- Cropland
- rcl_va113

Tract Boundary

Wetland Determination Identifiers

- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

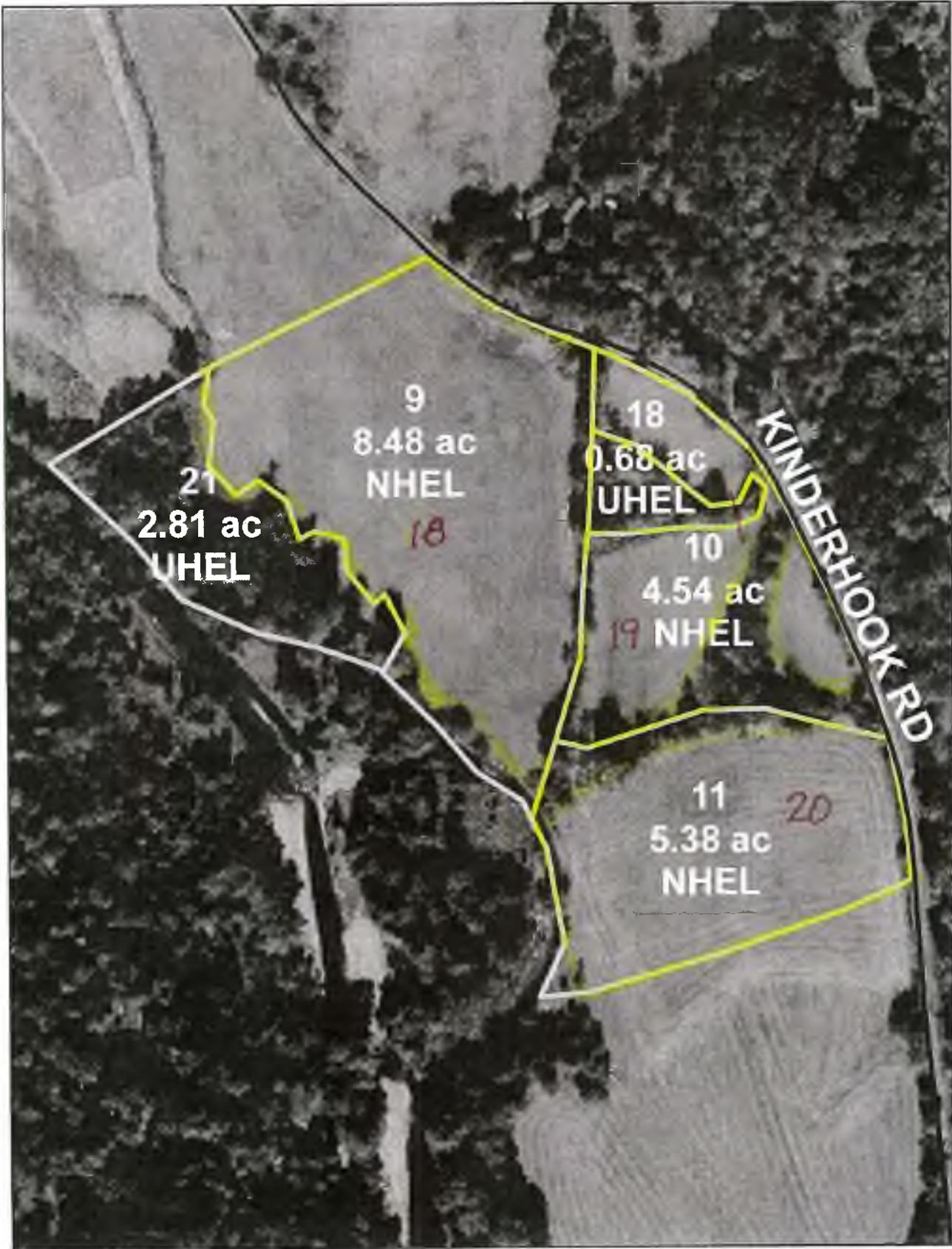
Tract Cropland Total: 26.05 acres

United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

9-23-19



UNITED STATES DEPARTMENT OF AGRICULTURE



0 0.0275 0.055 0.11 Miles

9-23-19

FSN 1689 Tract 3828
Elvin Taylor



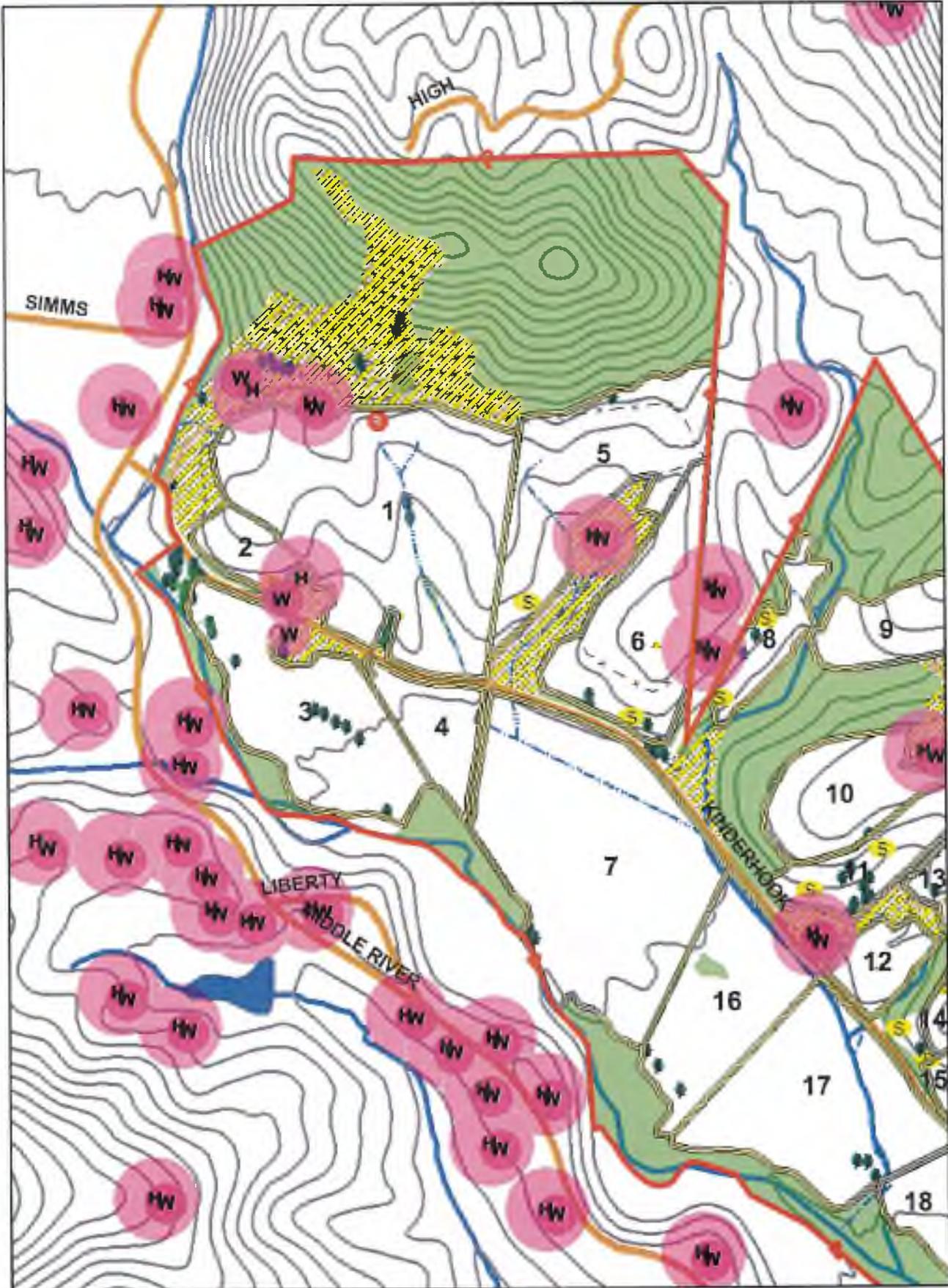
Date: 4/4/2019

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original

Legend For Site Plan

Symbol	Feature	Minimum Setback
	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
		
	Wet Spot	
	Trees and Woods	
	Private Drive	
	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
	Property Line	100 feet from property line *
	Slope	15% maximum
		
	Hashed out Area	No application

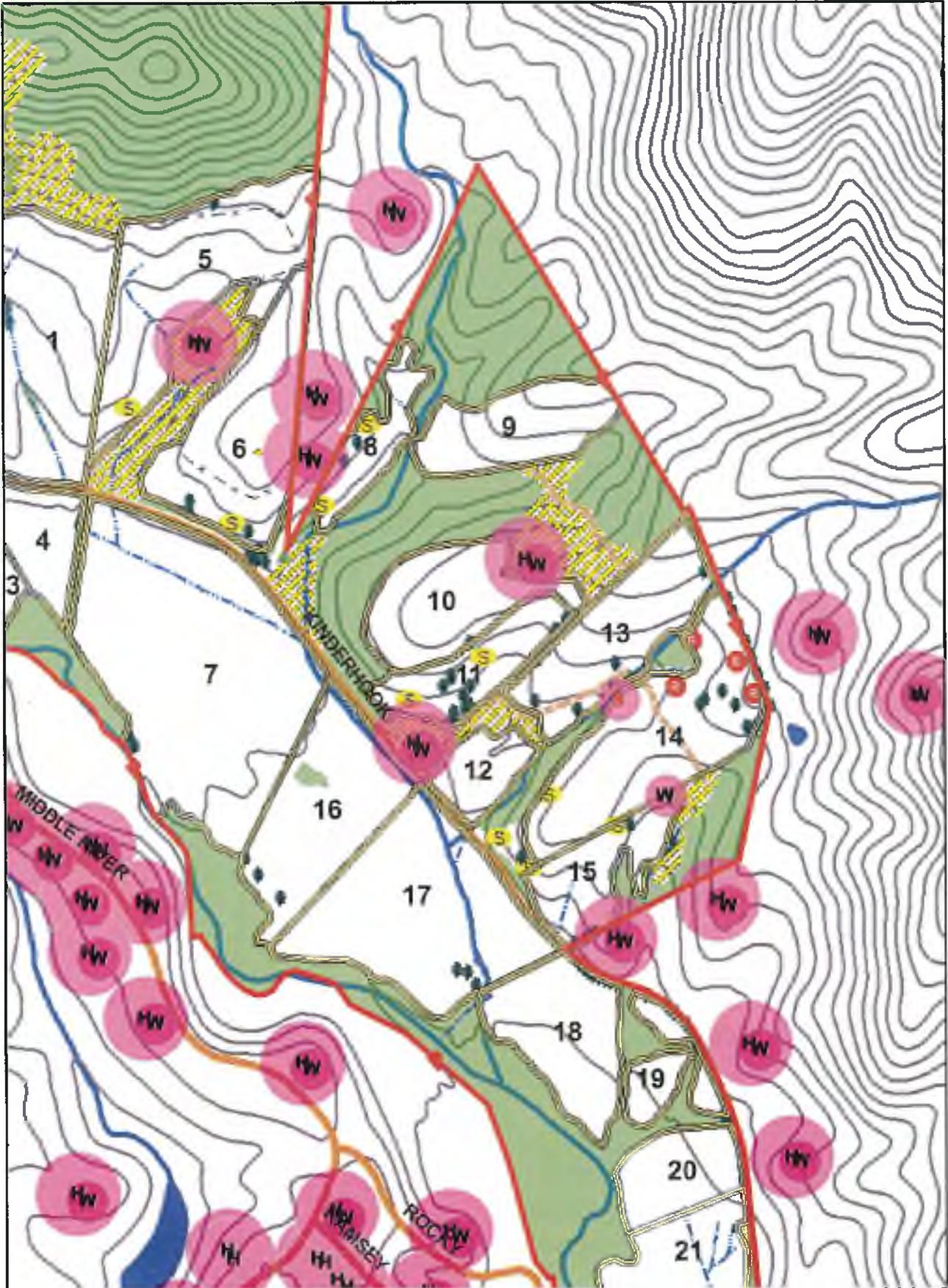
*Buffer can be reduced or waived upon written consent from landowner.



9-23-19

SITE PLAN

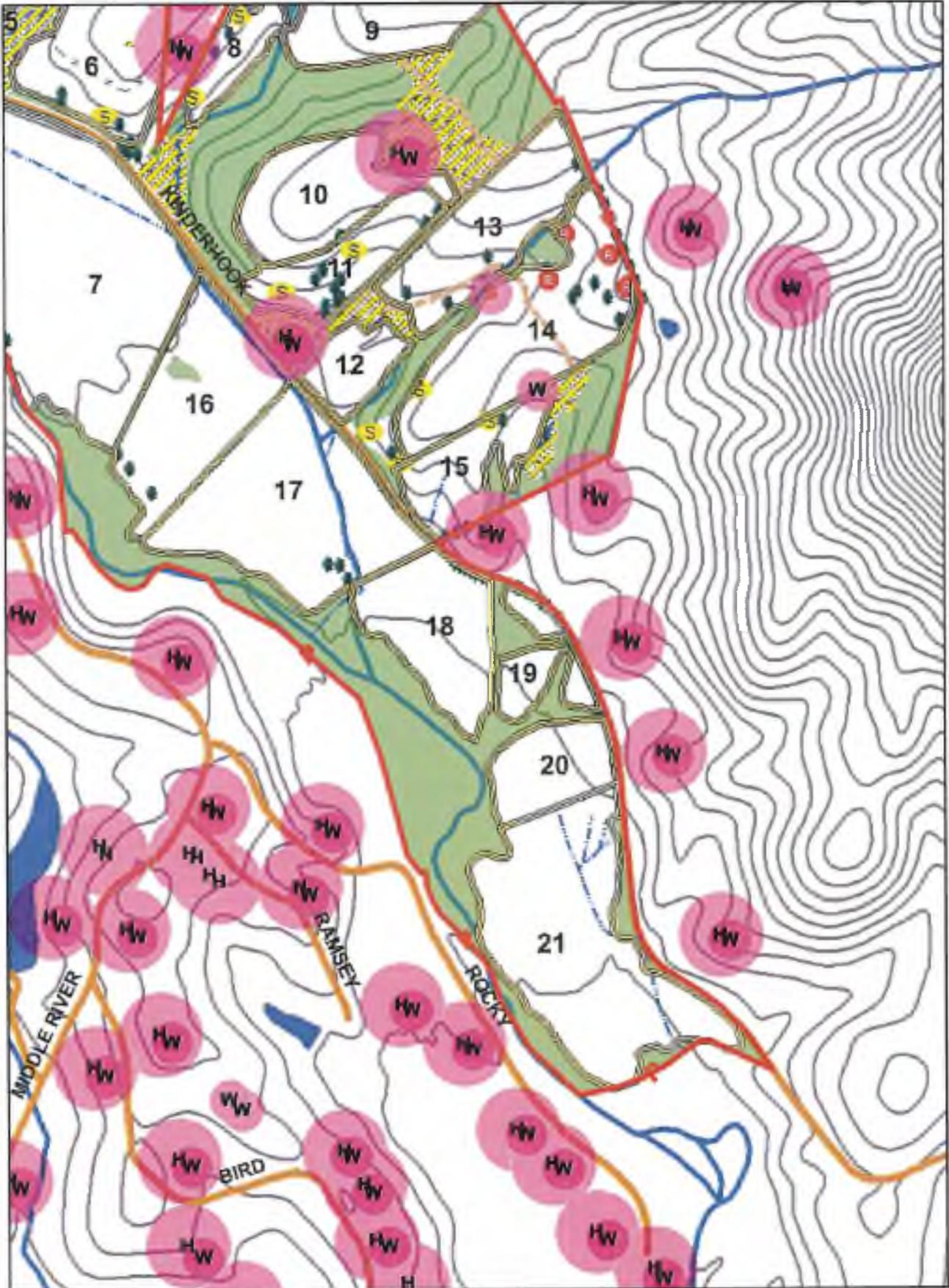
1 in = 660 feet



SITE PLAN

1 in = 660 feet

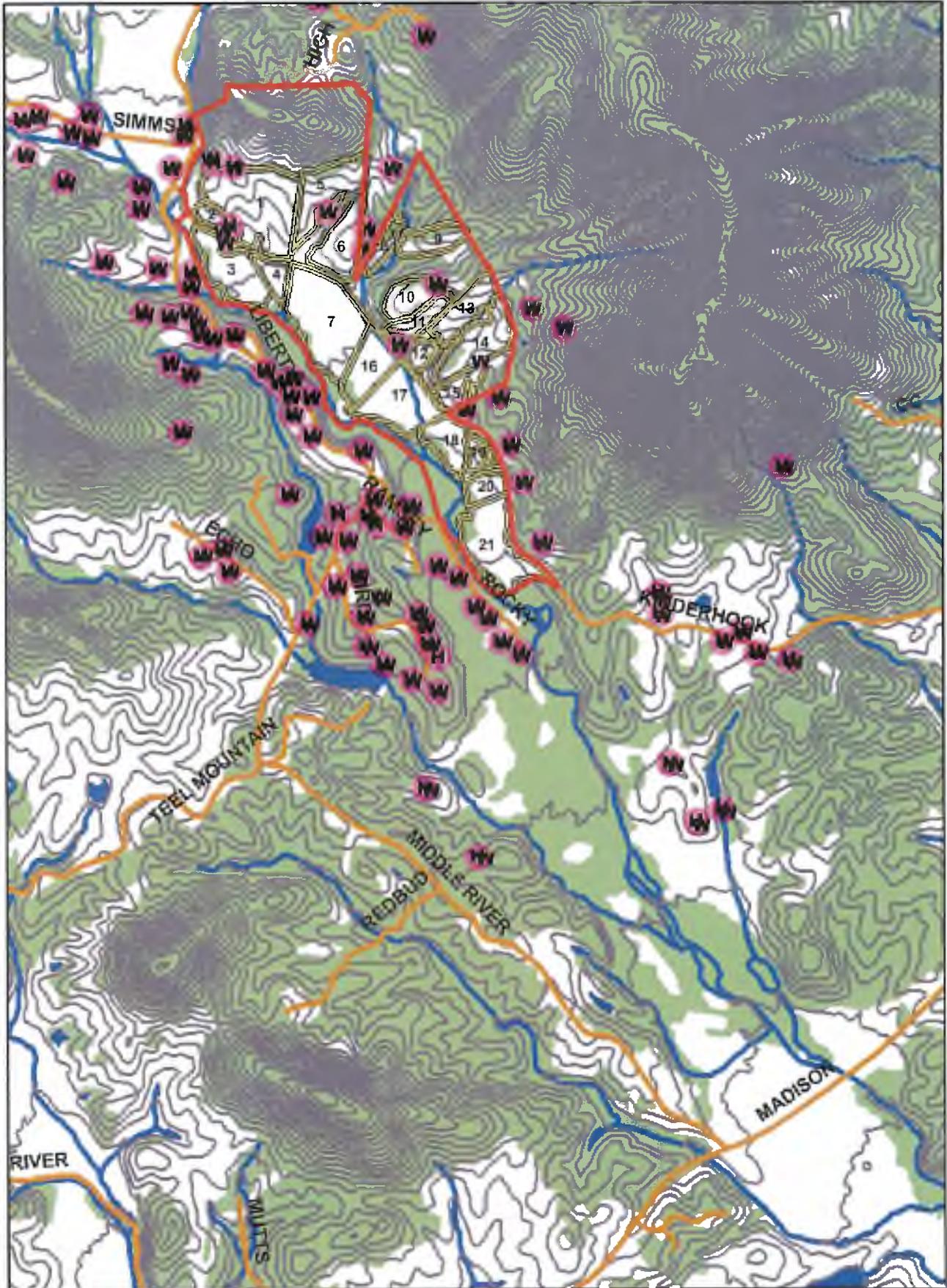
9-23-19



SITE PLAN

1 in = 660 feet

9-23-19



TOPOGRAPHIC MAP

1 in = 2,000 feet



9-23-19