

**LAND APPLICATION SITE**

**CHARLES A. CHAMBERS**

**CRCAC 1 - 4**

**CAROLINE 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 5-16-19 between Charles A. Chambers Tr. 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 Caroline 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>3-A-15</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>Charles A. Chambers Tr.</u>	Mailing Address <u>9502 PROSPECT ST FREDERICKSBURG, VA</u>	Landowner Signature <u>C. A. Chambers</u>
By: <u>Trustee</u>	Phone No. <u>540 845 4111</u>	
<input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc. <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

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: Caroline

Landowner: Charles A. Chambers Tr.

**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).

Charles A. Chambers

Landowner's Signature

5/16/19  
Date

Douglas L. Stewart  
Operator's Signature

25473 Hazelwood Lane  
Recyc. Acad., VA 22538  
mailing address & phone

5/16/19  
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 5-16-19 between Tina M Chambers Tr 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 Caroline 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>3-A-15</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>Tina M. Chambers Tr.</u>	Mailing Address <u>6502 Prospect St Fredericksburg, Va</u>	Landowner Signature <u>Tina M. Chambers</u>
By: <u>Tina M. Chambers</u>	Phone No.	
Title* <u>Trustee</u>		

\*  I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.  
 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: Caroline Co.

Landowner: Tina M. Chambers Tr.

**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.
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Following biosolids application to pasture or hayland sites:

  - a. Meat producing livestock shall not be grazed for 30 days;
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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).

Tina M. Chambers  
Landowner's Signature

5/16/19  
Date

Douglas L. Harrett  
Operator's Signature

25473 Hazelwood Lane  
Rapp. Quad. VA 22538  
mailing address & phone

6/11/19  
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 5-6-19 between Jean L. Menev 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:**

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<u>3-A-15</u>			

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

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<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>Jean Menev Jr</u>	Mailing Address <u>16287 Tidewater Trail Fredericksburg, VA 22408</u>	Landowner Signature <u>Jean L. Menev</u>
By: <u>Trustee</u>	Phone No. <u>540-374-1643</u>	
* <input checked="" type="checkbox"/> I certify that I have authority to sign for the landowner as indicated by my title as executor, Trustee or Power of attorney, etc.		
* <input type="checkbox"/> I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership, proprietorship, LLC, municipality, state or federal agency, etc.		

**Permittee:**

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: Caroline Co.

Landowner: Jean L. Mery

**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.

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  - a. Meat producing livestock shall not be grazed for 30 days,
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  - 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 L. Mery  
Landowner's Signature

5/6/2019  
Date

Douglas L. Gault  
Operator's Signature

2543 Hazelwood Lane  
mailing address & phone  
Lepp Acad. VA 22538

5/6/19  
Date

# FARM DATA SHEET

<b>SITE NAME:</b>	Charles A. Chambers	<b>COUNTY:</b>	Caroline
<b>OWNER:</b>	Charles A. Chambers et. als. (See List Below)	<b>OPERATOR:</b>	Douglas Garrett
<b>OWNER'S ADDRESS:</b>	See List Below	<b>OPERATOR'S ADDRESS:</b>	25473 Hazelwood Lane Rappahannock Academy, VA 22538
<b>OWNER'S TELEPHONE:</b>	See List Below	<b>OPERATOR'S TELEPHONE:</b>	-
<b>GENERAL FARM TYPE:</b>	Row Crops	<b>CELL PHONE:</b>	540-842-0294
<b># CATTLE:</b>	None	<b>EMAIL:</b>	-
<b>LAGOON or SLURRY:</b>	N/A	<b>LATITUDE:</b>	38.244
<b>TOPO QUAD:</b>	Passapatanay Rappahannock Academy	<b>LONGITUDE:</b>	-77.352
<b>COMMENTS:</b>		<b>METHOD OF DETERMINATION:</b>	Online Maps
	Charles A. and Tina M. Chambers Trs. 6502 Prospect St. Fredericksburg, VA 22408 540-891-7692		Jean L. Meney Tr. 16287 Tidewater Trail Fredericksburg, VA 22408 540-374-1643

SDA  
5-6-19

**Charles A. Chambers**

**Caroline County**

**New Field Changes**

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**Field 1 and 2 there are no changes.**

**New Field 3 was old Fields 3 and 4.**

**New Field 4 was old Field 5.**

# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
CRCAC-01	35.2	1B Dec.-Apr.	-	-	-	RA 48	3-A-15	T 1854 F 6
CRCAC-02	18.1	1B Dec.-Apr.	-	-	-	RA 48	3-A-15	T 1854 F 3
CRCAC-03	45.9	-	-	-	-	RA 48	3-A-15	T 1854 F 2
CRCAC-04N	46.4	8A Nov.-Apr.	-	-	-	RA 48	3-A-15	T 1854 F 1
TOTAL ACRES IN SITE	145.6							



1 of 1  
 Report Number: 17-041-0632  
 Account Number: 70594



"Every acre...Every year."™

7621 Whitepine Road, Richmond, VA 23237  
 Main 804-743-9401 ° Fax 804-271-6446  
 www.waypointanalytical.com

Send To: Recyc Systems Inc  
 Susan Trumbo  
 8455 Whiteshop Road  
 Culpeper VA 22701

Grower: Charles Chambers  
 Caroline Co

**SOIL ANALYSIS REPORT**

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 02/10/2017 Date Of Analysis: 02/13/2017 Date Of Report: 02/13/2017

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
2	04346	3.3 M		107	85 H			106 M	82 M	1030 H		7.0		0.0	6.1
5	04347	3.5 M		108	63 H			60 L	103 M	1461 VH		6.9		0.1	8.4

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
2	4.5	11.2	84.4		0.0			3.8 H	64 VH						
5	1.8	10.2	87.0		1.2			4.3 H	64 VH						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGeary*

Paucic McGeary

Report Number: 15-345-0537

Account Number: 70594



7621 Whitepine Road, Richmond, VA 23237  
 Main 804-743-9401 ° Fax 804-271-6446  
 www.waypointanalytical.com

Send To: RECYC SYSTEMS INC  
 SUSAN TRUMBO  
 8455 WHITESHOP RD  
 CULPEPER VA 22701

"Every acre...Every year."™

Grower: CHAS CHAMBERS  
 CAROLINE CO

Submitted By: SD

### SOIL ANALYSIS REPORT

Analytical Method(s):  
 Mehlich 3

Date Received: 12/11/2015      Date Of Analysis: 12/14/2015      Date Of Report: 12/14/2015

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	Mehlich 3 ppm    Rate	Reserve ppm    Rate	K ppm    Rate	Mg ppm    Rate	Ca ppm    Rate	Na ppm    Rate	Soil pH	Buffer Index	H meq/100g	meq/100g				
CRCAE-3 4	10155	3.0 M		102	27    L		93    M	83    M	833    H		6.1	6.85	0.8	5.9				

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts	Chloride	Aluminum
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm    Rate	S ppm    Rate	Zn ppm    Rate	Mn ppm    Rate	Fe ppm    Rate	Cu ppm    Rate	B ppm    Rate	SS ms/cm    Rate	Cl ppm    Rate	Al ppm
CRCAE-3	4.0	11.7	70.6		13.6			2.9    M	170    VH						

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Pauric McGroary*

Pauric McGroary

THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet  
(Spring, 2019-Summer, 2021)  
Charles A. Chambers  
Planner: John Doe**

Tract: 1854 Location: Caroline  
(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
6/CRCAC 1(N)	35/35	2019	Corn (grain)	180-80-80	20/0				160-80-80	N/A		
3/CRCAC 2(N)	18/18	2019	Corn (grain)	170-40-60	20/0				150-40-60	N/A		
2/CRCAC 3(N)	46/46	2019	Corn (grain)	150-80-80	20/0				130-80-80	N/A		
1/CRCAC 4(N)	46/46	2019	Soybeans (FS)	0-80-60	0/0				0-80-60	N/A		

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

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K2O	Lab	Soil pH	Lime Date	rec. lime tons/Ac
1854	CRCAC 1	35	[No Test]						
1854	CRCAC 2	18	2017-Wi	H (85 P ppm)	M+ (106 K ppm)	A&L MIII	7.		
1854	CRCAC 3	46	[No Test]						
1854	CRCAC 4	46	2015-Wi	M- (27 P ppm)	M (93 K ppm)	A&L MIII	6.1		

**Field Productivities for Major Crops**

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
1854	1854/6	CRCAC 1	35	Wickham	Ia	I	II	I	
	1854/3	CRCAC 2	18	Wickham	Ib	I	II	I	
	1854/2	CRCAC 3	46	Wickham	IIb	II	III	II	
	1854/1	CRCAC 4	46	Chewacla	IIa	I	Not Suited	I	

**Yield Range**

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
I	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

# Farm Summary Report

**Plan:**            **New Plan**        **Spring, 2019 - Summer, 2021**

**Farm Name:**    **Charles A. Chambers**

Location:        Caroline

Specialist:      John Doe

N-based Acres: 145.6

P-based Acres: 0.0

**Tract Name:**    **1854**

FSA Number:    1854

Location:                    Caroline

**Field Name:**        **CRCAC 1**

Total Acres:    35.20    Usable Acres: 35.20

FSA Number:    6

Tract:            1854

Location:                    Caroline

Slope Class:    A            Hydrologic Group:    C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

## *P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

## **Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

## **Soils:**

PERCENT	SYMBOL	SOIL SERIES
22	1B	Altavista
70	29A	Wickham
8	29B	Wickham

**Field Warnings:**

**Field Name:** CRCAC 2

Total Acres: 18.10 Usable Acres: 18.10

FSA Number: 3

Tract: 1854

Location: Caroline

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K		Lab
Wi-2017	7.0	H(85 P ppm)	M+(106 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
10	1B	Altavista
15	5B	Bojac1
47	29A	Wickham
28	29B	Wickham

**Field Warnings:**

**Field Name:** CRCAC 3

Total Acres: 45.90 Usable Acres: 45.90

FSA Number: 2

Tract: 1854

Location: Caroline

Slope Class: B Hydrologic Group: C

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

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
	[NO TEST]			

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
33	29B	Wickham
40	29A	Wickham
6	23C	State1
3	5B	Bojac1
18	14	Pits, gravel

**Field Warnings:**

**Field Name:** CRCAC 4

Total Acres: 46.40 Usable Acres: 46.40

FSA Number: 1

Tract: 1854

Location: Caroline

Slope Class: A Hydrologic Group: C

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

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
Wi-2015	6.1	M-(27 P ppm)	M(93 K ppm)	A&L Mill

**Soils:**

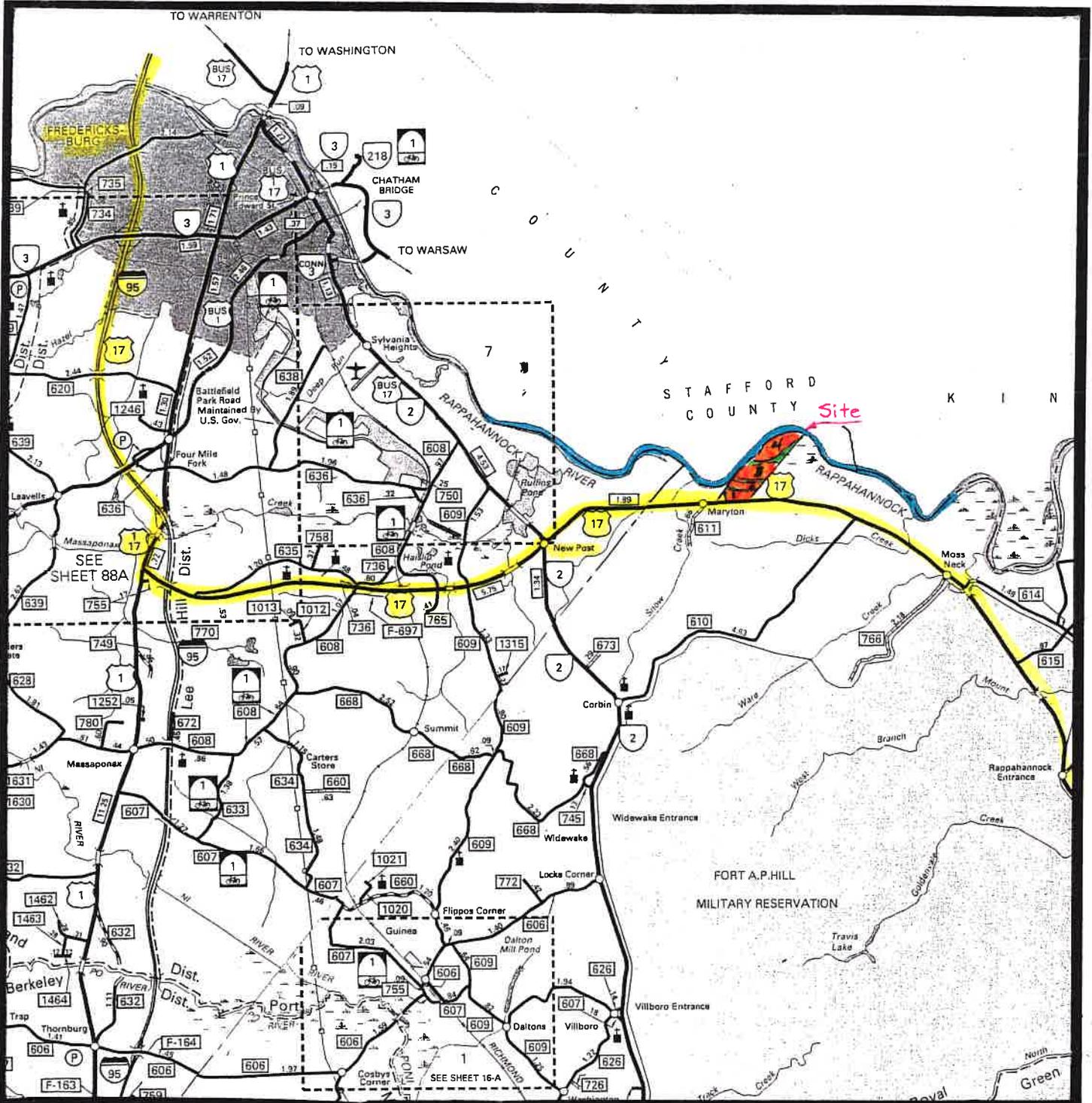
PERCENT	SYMBOL	SOIL SERIES
100	8A	Chewacla

**Field Warnings:**

# MAPS

# Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1" = 2 miles

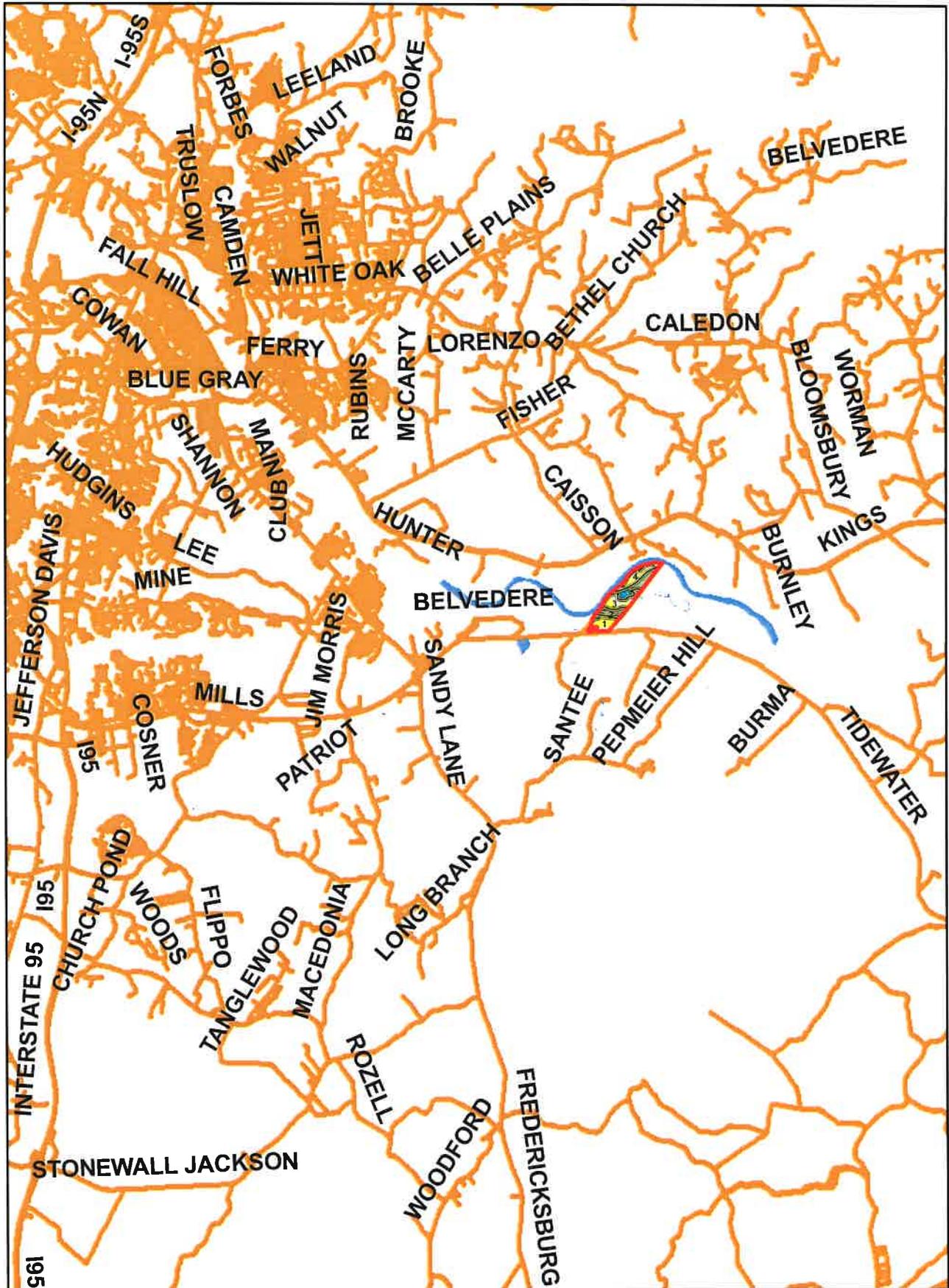
CRCAC 1-4

Truck Route marked in Yellow

## VICINITY MAP

5-6-19

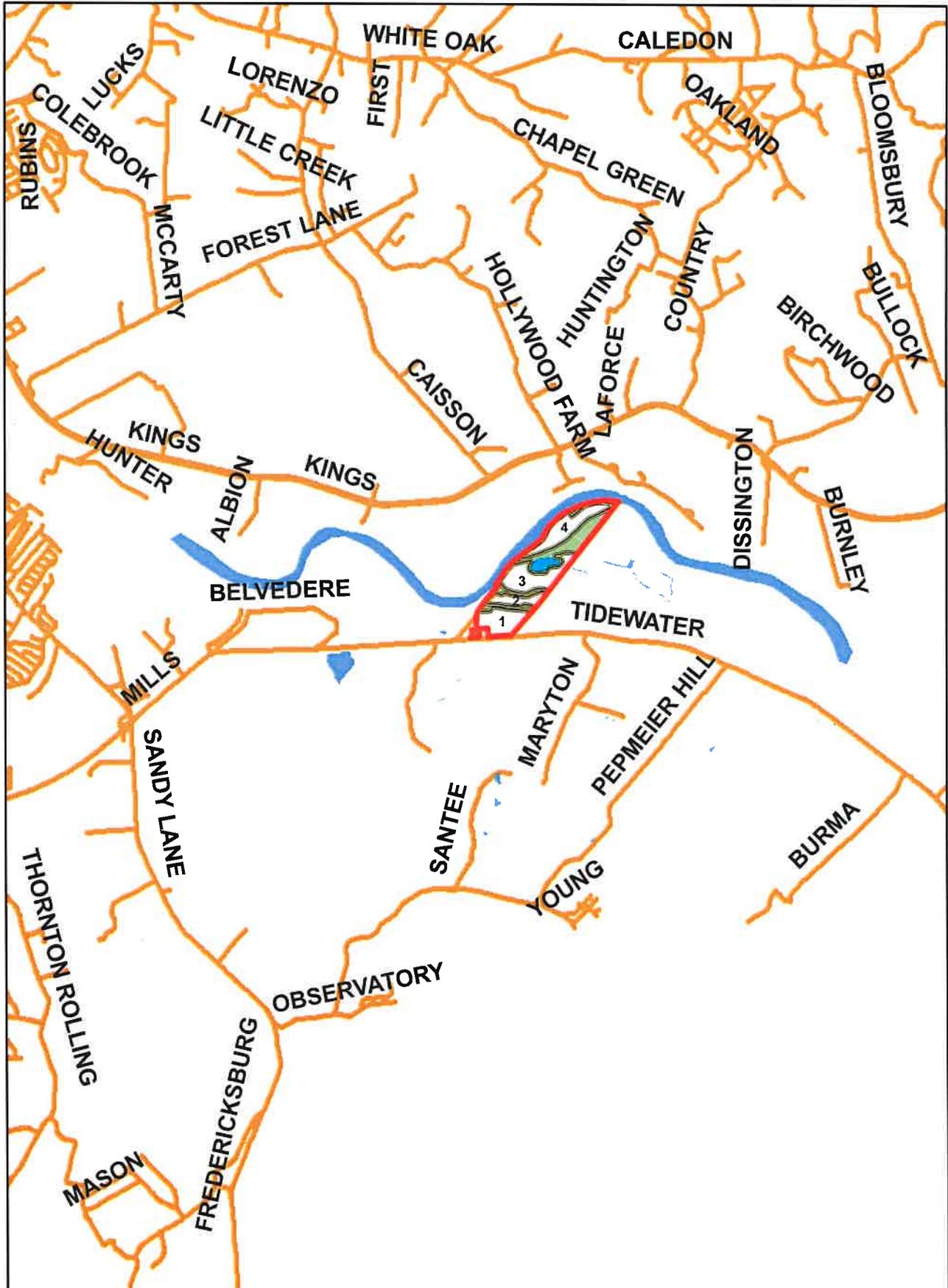




5-6-19

**VICINITY MAP**

1 in = 2 miles

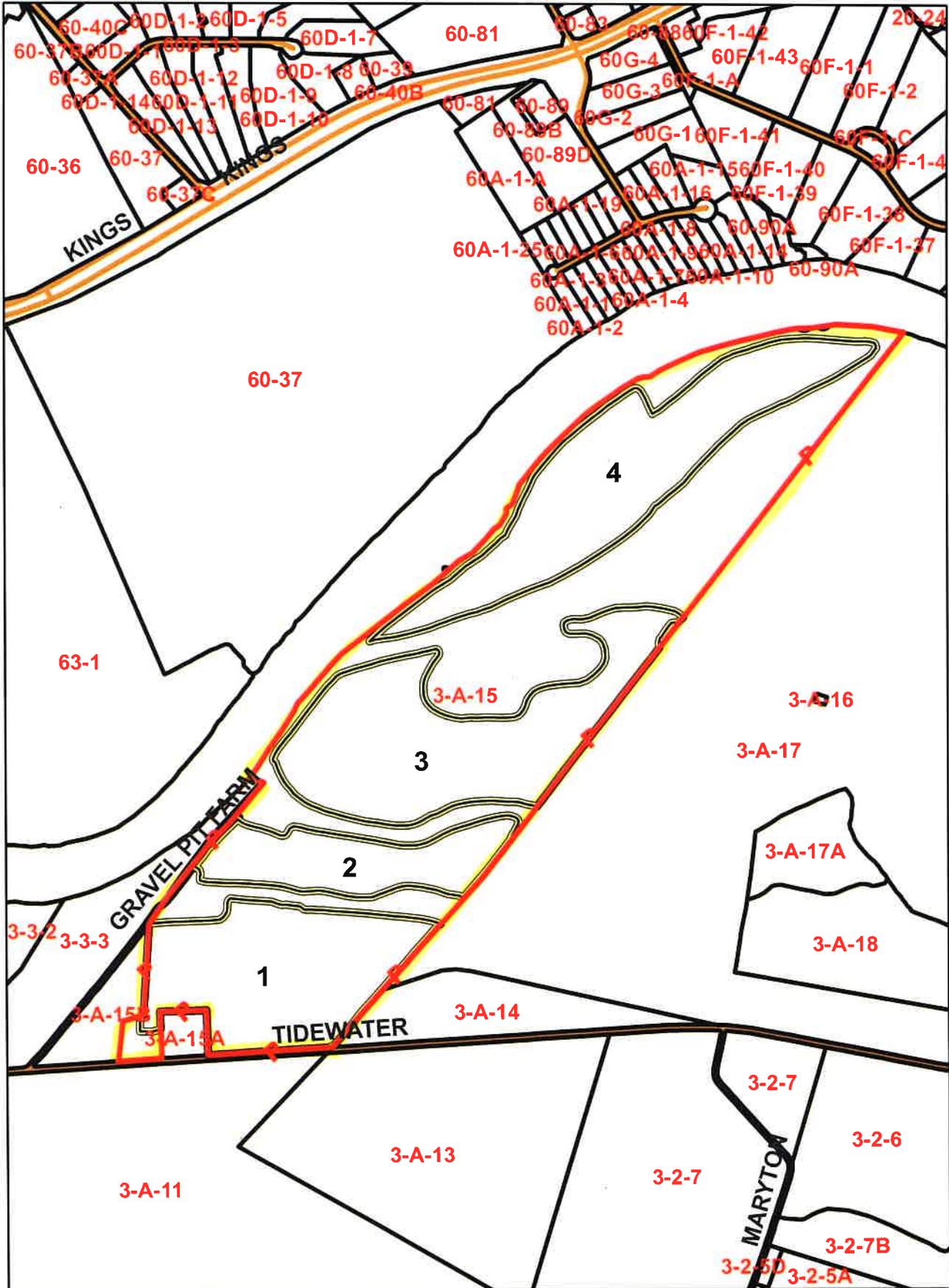


5-6-19

**VICINITY MAP**

1 in = 1 miles



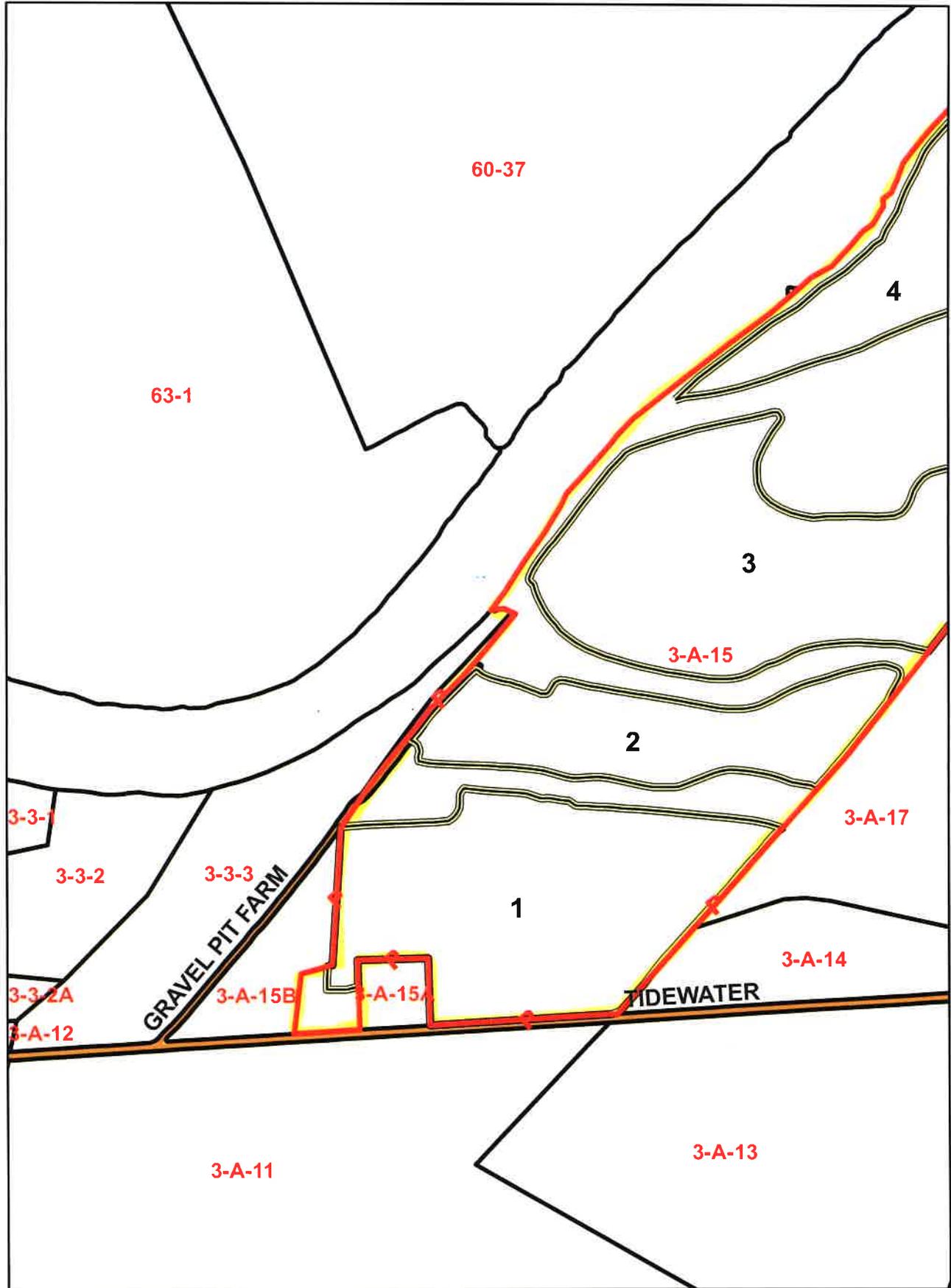


5-6-19

TAX MAP

1 in = 1,000 feet



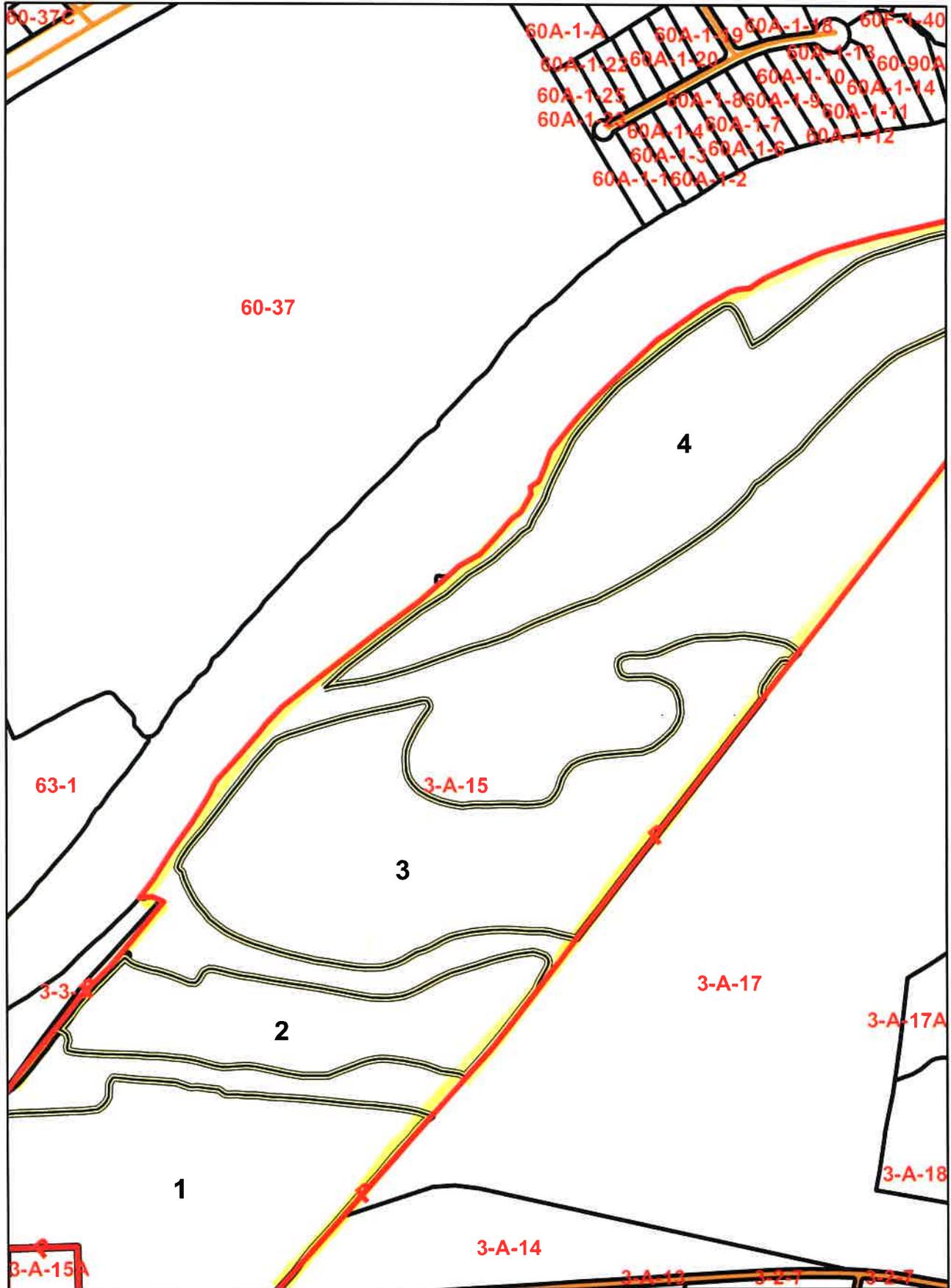


5-6-19

TAX MAP

1 in = 660 feet



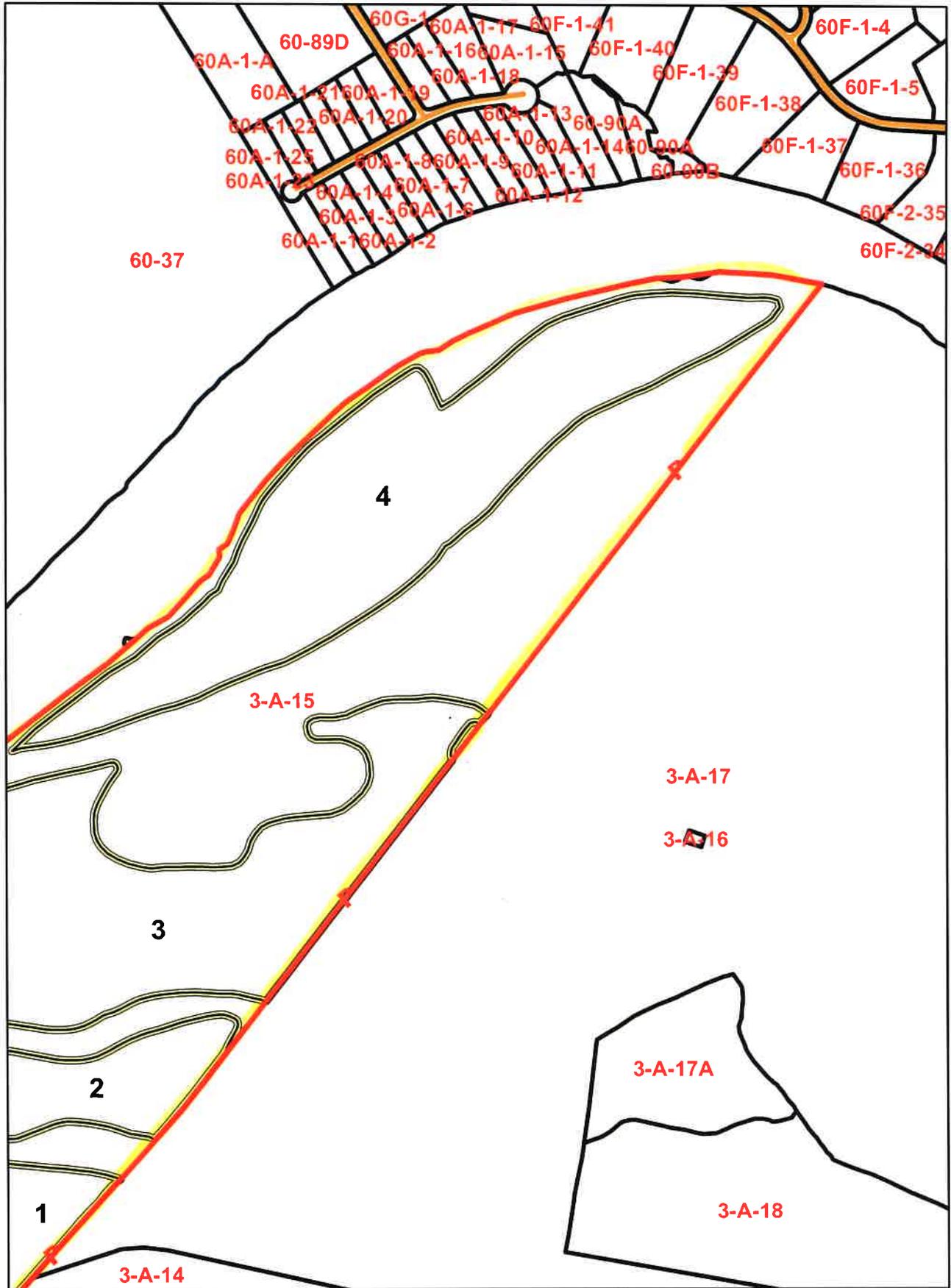


5-6-19

TAX MAP

1 in = 660 feet





5-6-19

TAX MAP

1 in = 660 feet

# ADJOINING LANDOWNERS

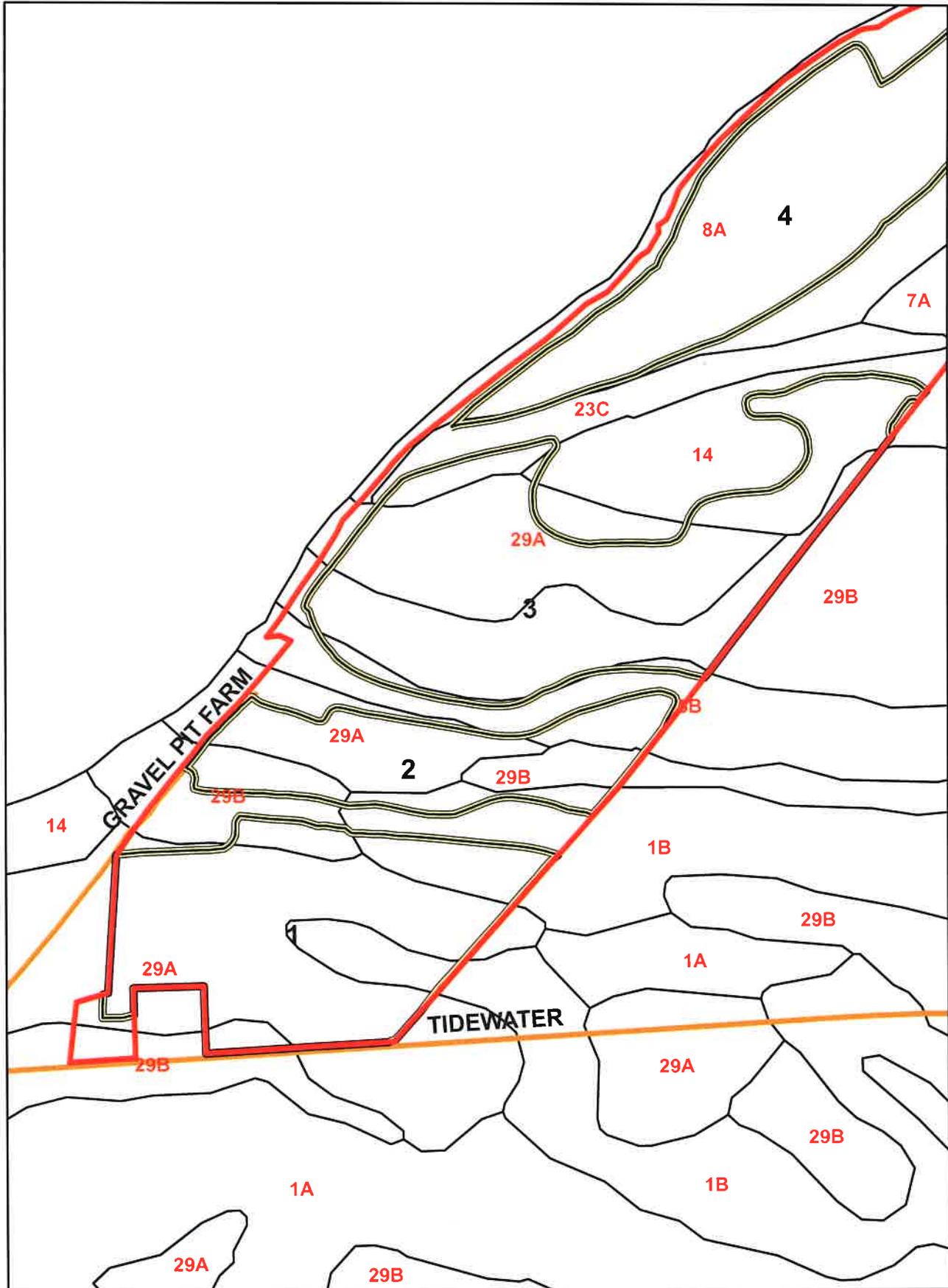
## CHARLES A. CHAMBERS

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### CAROLINE COUNTY

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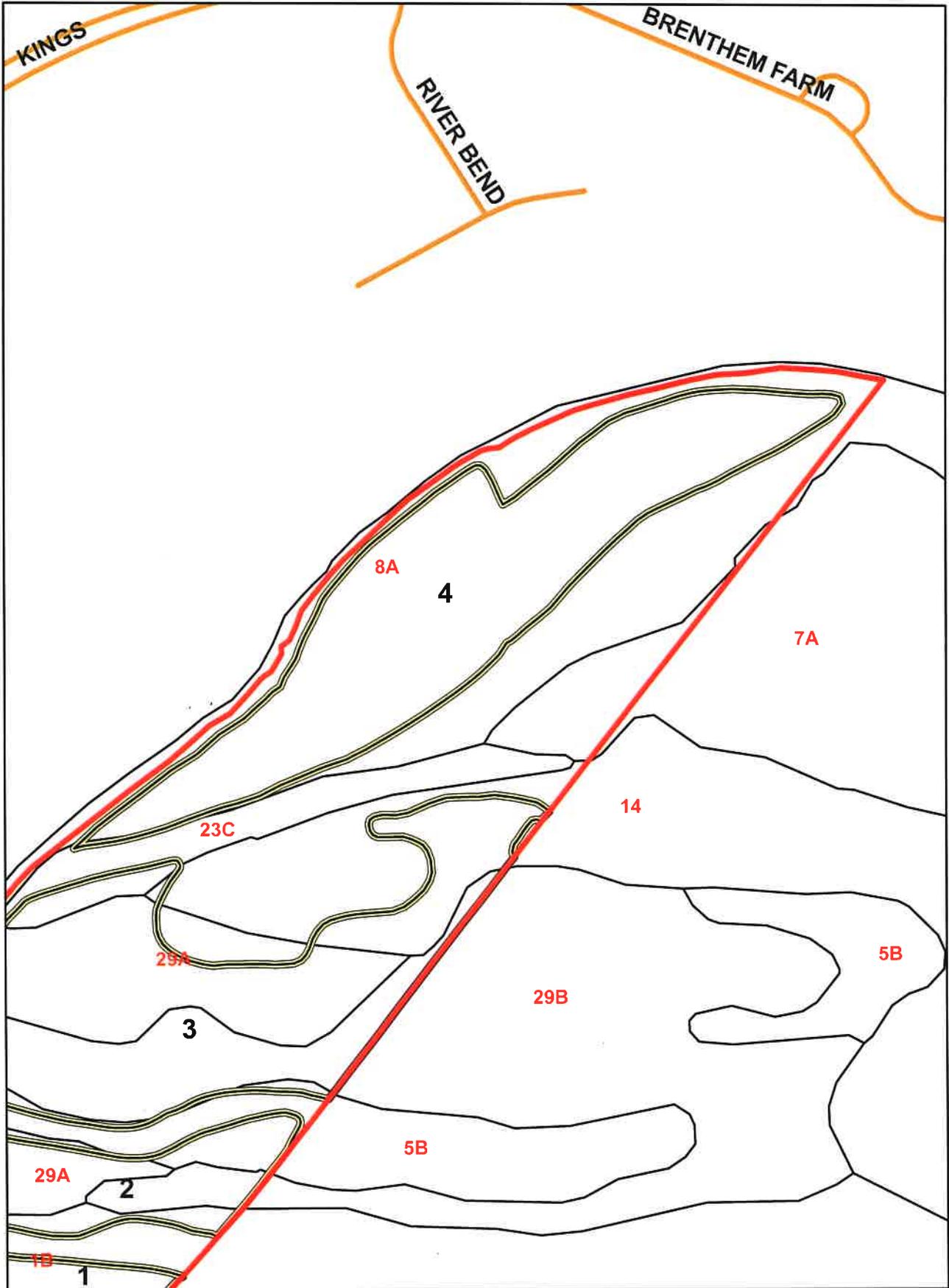
Tax Map	Parcel #	Owner Name(s)
3-A	11	Cory D. and Rebekah Jo Garrett
	13	Flintshire Farm LLLP
	14	Flintshire Farm LLLP
	15A	Donald W. and Jean L. Meney
	15B	Julius B. Chambers, Jr. and Melissa Ann
	17	Flintshire Farm LLLP
3-3	3	Matthew and Jean Scott



5-6-19

**SOIL MAP**

1 in = 660 feet



5-6-19

**SOIL MAP**

1 in = 660 feet





Field Id	Gross Acres
CRCAC-01	35.2
CRCAC-02	18.1
CRCAC-03	45.9
CRCAC-04N	46.4

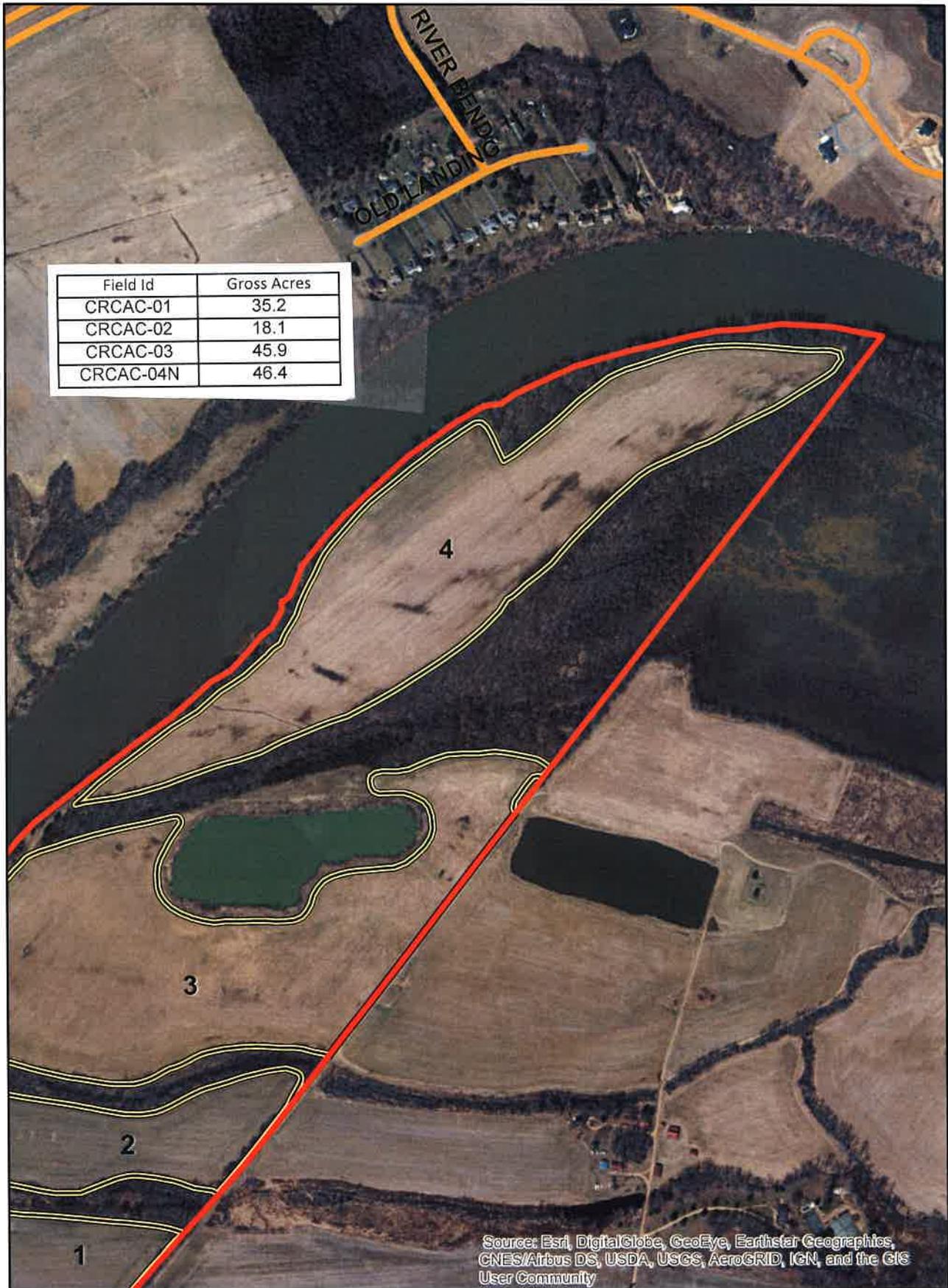


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

5-6-19

**AERIAL MAP**

1 in = 660 feet



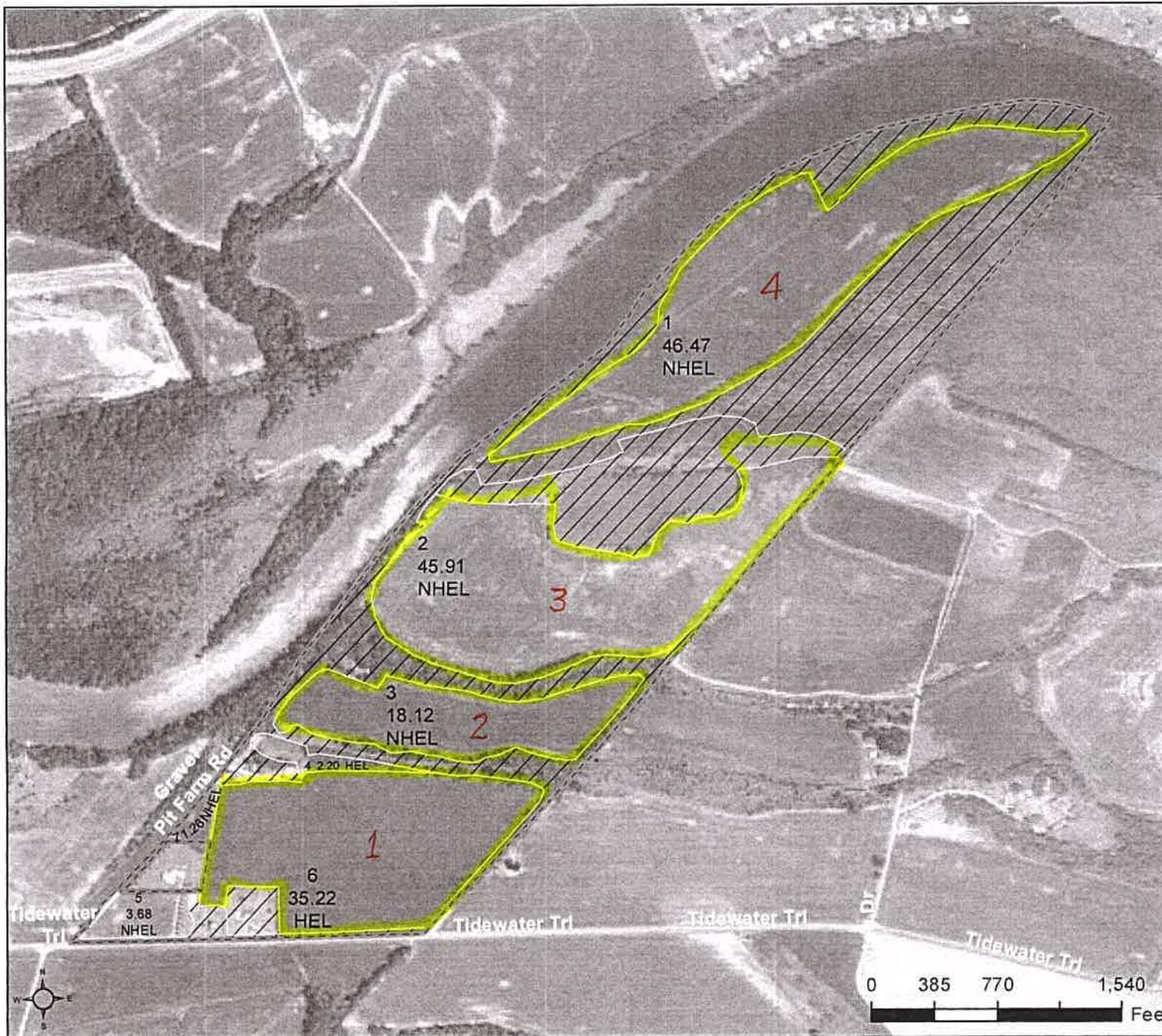
5-6-19

**AERIAL MAP**

1 in = 660 feet

Farm 1675

Tract 1854



2019 Program Year

Map Created April 02, 2019

**Common Land Unit**

- /// Non-Cropland
- Cropland
- rcl\_va033
- Tract Boundary

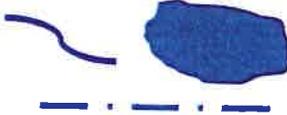
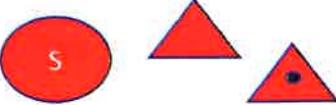
**Wetland Determination Identifiers**

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

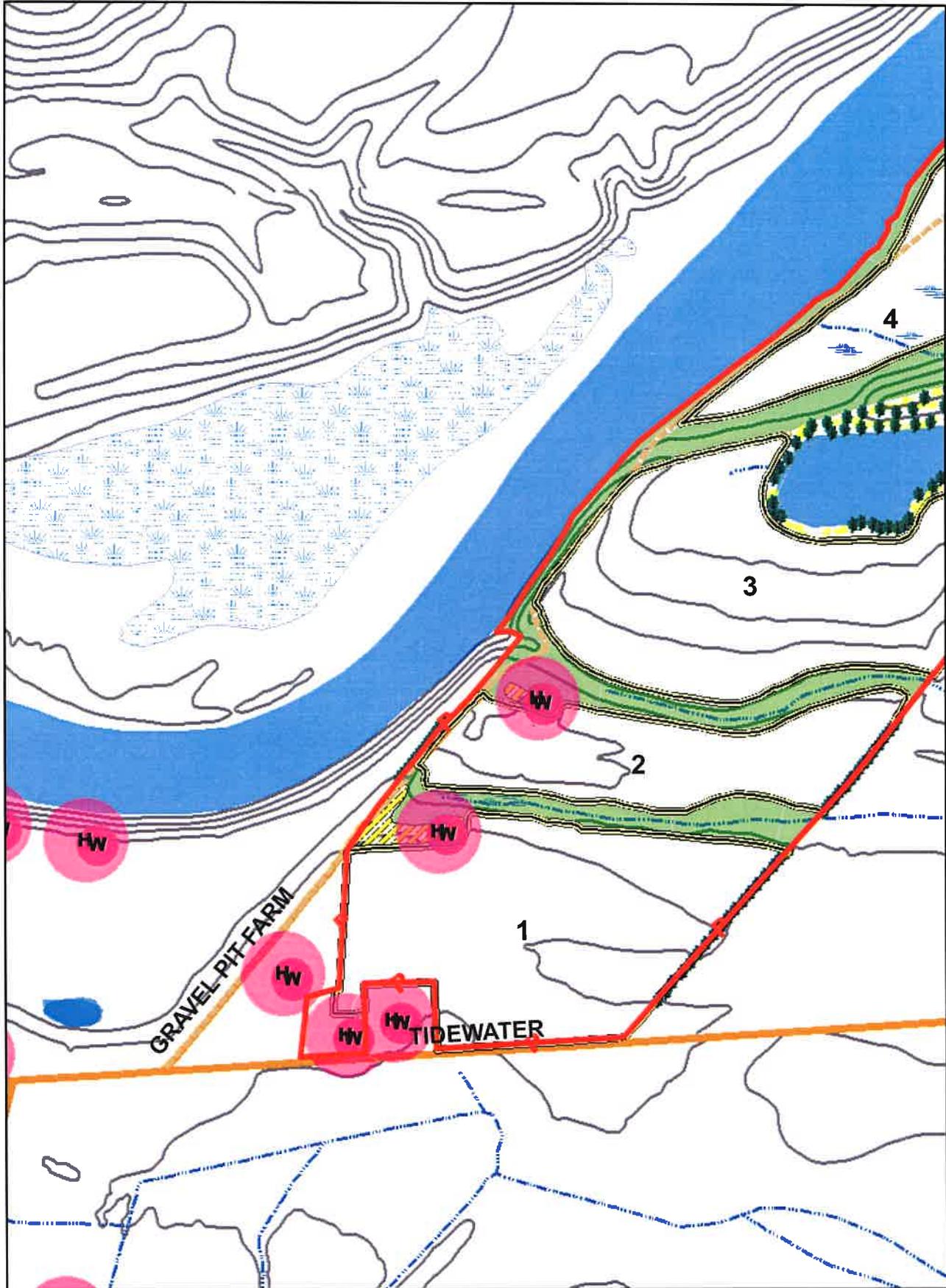
Tract Cropland Total: 152.86 acres

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# 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.

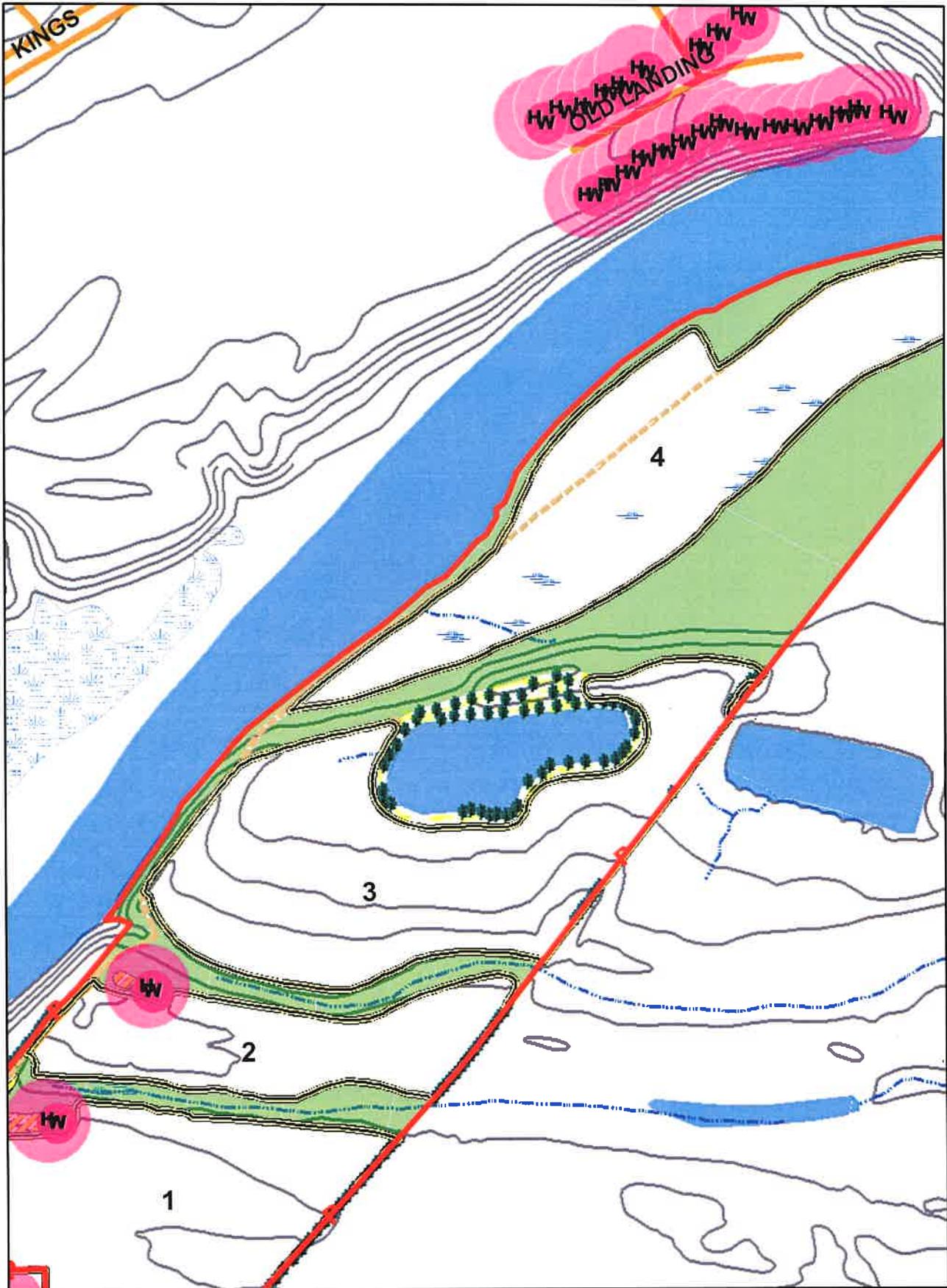


5-6-19

**SITE PLAN**

1 in = 660 feet



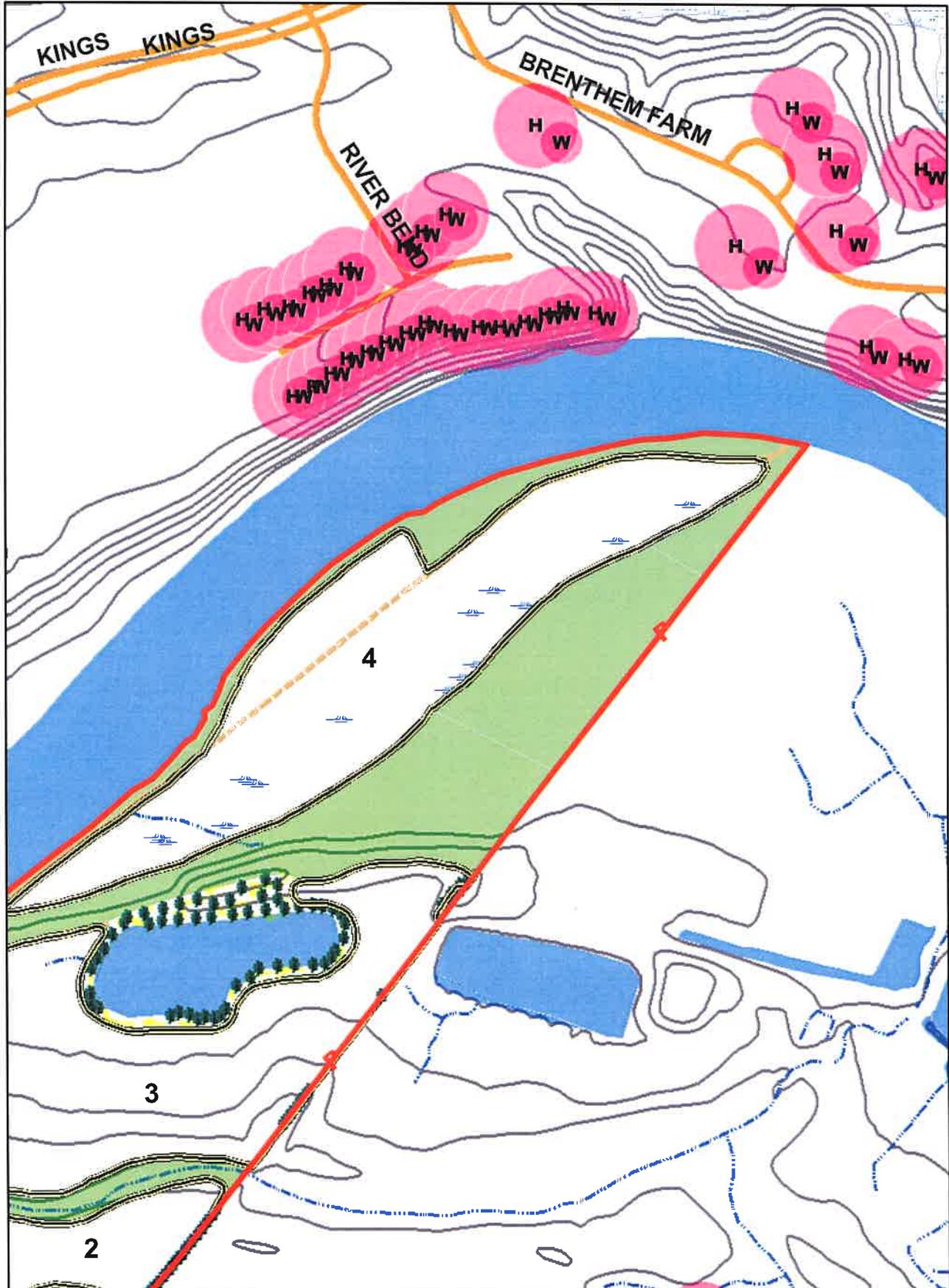


5-6-19

**SITE PLAN**

1 in = 660 feet

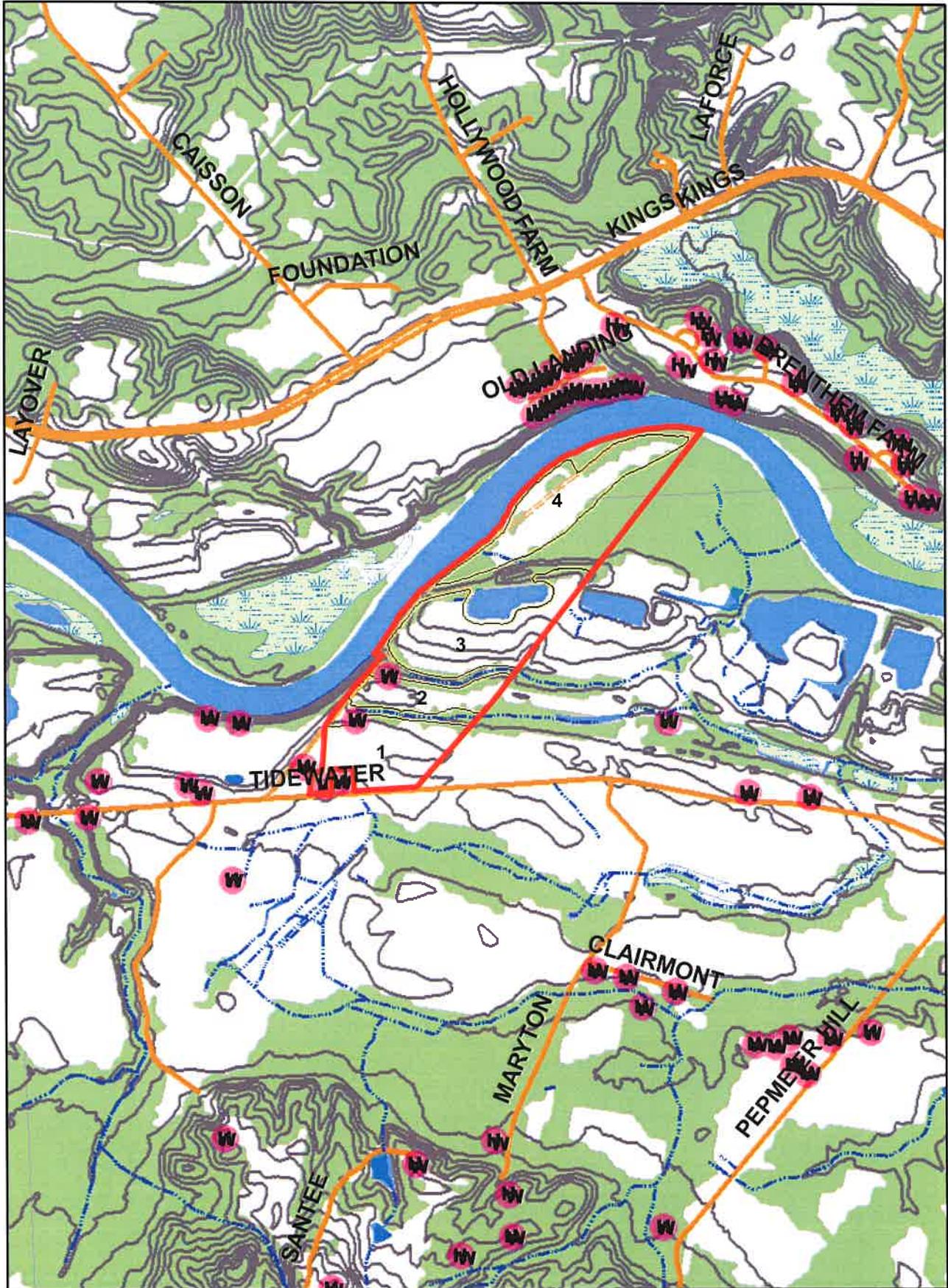




5-6-19

**SITE PLAN**

1 in = 660 feet



5-6-19

**TOPOGRAPHIC MAP**

1 in = 2,000 feet