

**LAND APPLICATION SITE**

**JOHN R. LONGEST III**

**KQJRL 1 - 7**

**KING & QUEEN COUNTY**



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

Permittee: Recyc Systems, Inc

County or City: King & Queen Co

Landowner: Margie E. Longest

**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).

Margie E. Longest  
Landowner's Signature

1-3-18  
Date

Margie E. Longest  
Farm Operator Signature  
Thomas Ornel Longest Jr

Mailing Address & Phone Number  
P.O. Box 126  
King & Queen C.H., Va. 23085

Margie E. Longest  
Title of Landowner

**Power, Capacity and Authority.** Such Party has the right, power, legal capacity, and authority to execute and enter into this Agreement and to execute all other documents and perform all other acts as may be necessary in connection with the performance of this Agreement.

Margie E Longest  
Signature

Margie E. Longest  
Printed Name of Signer

1-3-18  
Date

# FARM DATA SHEET

<b>SITE NAME:</b>	John R. Longest III	<b>COUNTY:</b>	King & Queen
<b>OWNER:</b>	Margie E. Longest	<b>OPERATOR:</b>	(Margie Longest) Tommy O. Longest, Jr.
<b>OWNER'S ADDRESS:</b>	21520 The Trail Little Plymouth, VA 23091	<b>OPERATOR'S ADDRESS:</b>	P.O. Box 126 King & Queen C.H., VA 23085
<b>OWNER'S TELEPHONE:</b>	804-785-4923	<b>OPERATOR'S TELEPHONE:</b>	-
<b>GENERAL FARM TYPE:</b>	Row Crops	<b>CELL PHONE:</b>	804-824-4712
<b># CATTLE:</b>	None	<b>EMAIL:</b>	-
<b>LAGOON or SLURRY:</b>	N/A	<b>LATITUDE:</b>	F 1-3 37.634 F 4-5 37.652 F 6-7 37.641
<b>TOPO QUAD:</b>	Church View, Thruhart	<b>LONGITUDE:</b>	F 1-3 -76.826 F 4-5 -76.850 F 6-7 -76.720
<b>COMMENTS:</b>		<b>METHOD OF DETERMINATION:</b>	Online Maps

SD   
1-10-18

# RECYC SYSTEMS, INC

## FIELD DATA SHEET

Field Identification	DEQ Control ID	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
			Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood			
KQJRL 1	51097-00157-0000	22.3	5D Nov.-Apr. 19A Dec.-Apr. 19B Dec.-Apr.	-	-	-	YO 60	1624-30R-942	T 442 F 3
KQJRL 2	51097-00157-0000	22.8	10B Nov.-Apr. 19A Dec.-Apr. 19B Dec.-Apr.	-	-	-	YO 60	1624-30R-942	T 442 F 2
KQJRL 3	51097-00157-0000	21.9	5E Nov.-Apr. 5D Nov.-Apr. 19B Dec.-Apr.	-	-	-	YO 60	1624-30R-942	T 442 F 1
KQJRL 4	51097-00159-0000	9.9	3B Dec.-Apr. 19A Dec.-Apr. 19B Dec.-Apr.	-	-	-	YO 60	1624-31L-5C	T 418 F 1
KQJRL 5	51097-00158-0000	5.5	3A Dec.-Apr.	-	-	-	YO 60	1624-31L-5C	T 418 F 2
KQJRL 6	51097-00160-0000	12.1	-	-	-	-	CB 09	1623-138L-1277 1623-138L-1279	T 278 F 1, 2 T 285 F 1, 2
KQJRL 7	51097-00160-0000	21.2	5E Nov.-Apr. 15B Nov.-Apr.	-	-	-	CB 09	1623-138L-1277	T 278 F 1
TOTAL ACRES IN SITE		115.7							

81-01-1

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: John R. Longest III

County or City: King & Queen Co.

Please Print

Signature not required on this page

<u>Tax Parcel ID(s)</u>	<u>Landowners (s)</u>
1624-30R-942	Margie E. Longest
1624-31L-5C	Margie E. Longest
1623-138L-1277	Margie E. Longest
1623-138L-1279	Margie E. Longest

Report Number: 16-328-0713

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 Road  
 Culpepper VA 22701

"Every acre...Every year."™

Grower: John R Longest  
 K&Q Co.

**SOIL ANALYSIS REPORT**

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

Date Received: 11/23/2016

Date Of Analysis: 11/28/2016

Date Of Report: 11/28/2016

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
KQJRL 1	24427	2.4 L		91	88 H		81 M	38 L	762 H			6.5		0.3	4.6
KQJRL 2	24428	2.0 L		84	87 H		65 L	31 L	590 H			6.0	6.87	0.6	4.0
KQJRL 3	24429	1.5 L		73	122 VH		78 M	26 VL	859 VH			6.6		0.3	5.0
KQJRL 6	24430	1.8 L		80	55 H		54 L	28 VL	646 H			6.4	6.89	0.4	4.0
KQJRL 7	24431	2.0 L		83	50 M		49 L	29 VL	781 H			6.6		0.3	4.6

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		
KQJRL 1	4.5	6.9	82.8		6.5			2.5 M	17 M						
KQJRL 2	4.2	6.5	73.8		15.0			3.3 M	10 M						
KQJRL 3	4.0	4.3	85.9		6.0			2.9 M	12 M						
KQJRL 6	3.5	5.8	80.8		10.0			3.0 M	18 M						
KQJRL 7	2.7	5.3	84.9		6.5			2.9 M	10 M						

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 McGroary*

Paucic McGroary



www.allabs.com

# A&L Eastern Laboratories, Inc.

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

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

Grower:  
JOHN R LONGEST III/KQJRL  
K & Q CO

Submitted By: NED UPSHAW  
Farm ID:

## SOIL ANALYSIS REPORT

Analytical Method(s):  
MEHLICH 3

Date Received: 01/05/2010

Date Of Analysis: 01/06/2010

Date Of Report: 01/07/2010

Sample ID Field ID	Lab Number	Organic Matter			Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C	
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Reserve Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g	
3	02105	1.8	L	80	108	H		92	H	82	H	541	M			6.3	6.89	0.4	4.1
4	02106	2.3	L	88	42	M		135	H	171	H	690	M			6.2	6.86	0.7	5.9
5	02107	2.9	M	100	44	M		135	H	171	H	686	M			6.3	6.87	0.6	5.8

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
3	5.8	16.7	66.0		10.4										
4	5.9	24.2	58.5		12.2										
5	6.0	24.6	59.1		10.6										

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: A&L Eastern Laboratories, Inc.

by:

Oscar Ruiz

THE PLANNER IS NOT STATE CERTIFIED

**Nutrient Management Plan Balance Sheet**  
**(Spring, 2018-Summer, 2020)**  
**John R. Longest III**  
**Planner: John Doe**

Tract: 278      Location: King & Queen

(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, 2/KQJRL 6(N)	12/12	2018	Wheat (grain)	100-40-80	0/0				100-40-80	N/A		
1/KQJRL 7(N)	21/21	2018	Wheat (grain)	100-40-80	0/0				100-40-80	N/A		

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:



Tract: 418

Location: King & Queen

(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/KQJRL 4(N)	10/10	2018	Corn (grain)	140-60-60	20/0				120-60-60	N/A			
2/KQJRL 5(N)	6/6	2018	Corn (grain)	100-60-60	20/0				80-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Tract: 442 Location: King & Queen

(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	
3/KQJRL 1(N)	22/22	2018	Corn (grain)	150-40-80	20/0				130-40-80	N/A			
2/KQJRL 2(N)	23/23	2018	Corn (grain)	150-40-100	20/0				130-40-100	N/A			
1/KQJRL 3(N)	22/22	2018	Corn (grain)	150-20-80	20/0				130-20-80	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
278	KQJRL 6	12	2016-Wi	H- (55 P ppm)	M- (54 K ppm)	A&L MIII	6.4		
278	KQJRL 7	21	2016-Wi	H- (50 P ppm)	L+ (49 K ppm)	A&L MIII	6.6		
418	KQJRL 4	10	[No Test]						
418	KQJRL 5	6	[No Test]						
442	KQJRL 1	22	2016-Wi	H (88 P ppm)	M (81 K ppm)	A&L MIII	6.5		
442	KQJRL 2	23	2016-Wi	H (87 P ppm)	M- (65 K ppm)	A&L MIII	6.		
442	KQJRL 3	22	2016-Wi	H+ (122 P ppm)	M (78 K ppm)	A&L MIII	6.6		

### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
278	278/1, 2	KQJRL 6	12	Emporia	IIIa	II	III	II	
	278/1	KQJRL 7	21	Emporia	IIIa	II	III	II	
418	418/1	KQJRL 4	10	Tetotum	IIIa	I	III	II	
	418/2	KQJRL 5	6	Craven	IVb	III	Not Suited	IV	
442	442/3	KQJRL 1	22	Tetotum	IIb	I	III	I	
	442/2	KQJRL 2	23	Tetotum	IIb	I	III	I	
	442/1	KQJRL 3	22	Tetotum	IIb	I	III	II	

### 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, 2018 - Summer, 2020

Farm Name: John R. Longest III

Location: King & Queen

Specialist: John Doe

N-based Acres: 115.7

P-based Acres: 0.0

Tract Name: 278

FSA Number: 278

Location: King & Queen

Field Name: KQJRL 6

Total Acres: 12.10 Usable Acres: 12.10

FSA Number: 1, 2

Tract: 278

Location: King & Queen

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-2016	6.4	H-(55 P ppm)	M-(54 K ppm)	A&L MIII	

### **Soils:**

PERCENT	SYMBOL	SOIL SERIES
27	4A	Emporia
65	4B	Emporia
9	15B	Slagle

**Field Warnings:**

**Field Name:** KQJRL 7

Total Acres: 21.20 Usable Acres: 21.20

FSA Number: 1

Tract: 278

Location: King & Queen

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-2016	6.6	H-(50 P ppm)	L+(49 K ppm)	A&L MIII	

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
13	15B	Slagle
3	5E	Emporia Slagle
67	4B	Emporia
17	4A	Emporia

**Field Warnings:**

**Tract Name:** 285

FSA Number: 285

Location: King & Queen

**Tract Name:** 418

FSA Number: 418

Location: King & Queen

**Field Name: KQJRL 4**

Total Acres: 9.90 Usable Acres: 9.90

FSA Number: 1

Tract: 418

Location: King & Queen

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
4	3A	Craven
17	3B	Craven
38	19A	Tetotum
41	19B	Tetotum

**Field Warnings:**

**Field Name: KQJRL 5**

Total Acres: 5.50 Usable Acres: 5.50

FSA Number: 2

Tract: 418

Location: King & Queen

Slope Class: A Hydrologic Group: C

Riparian buffer width: 0 ft

Distance to stream: 0 ft

*P-Index Summary*

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

**Soil Test Results:**

DATE	PH	P	K	Lab
[NO TEST]				

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
100	3A	Craven

**Field Warnings:**

**Tract Name:** 442

FSA Number: 442

Location: King & Queen

**Field Name:** KQJRL 1

Total Acres: 22.30 Usable Acres: 22.30

FSA Number: 3

Tract: 442

Location: King & Queen

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-2016	6.5	H(88 P ppm)	M(81 K ppm)	A&L MIII

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
3	5D	Emporia Slagle
77	19A	Tetotum
20	19B	Tetotum

**Field Warnings:**

**Field Name:** KQJRL 2

Total Acres: 22.80 Usable Acres: 22.80

FSA Number: 2

Tract: 442

Location: King & Queen

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-2016	6.0	H(87 P ppm)	M-(65 K ppm)	A&L MIII

**Soils:**

PERCENT	SYMBOL	SOIL SERIES
4	5D	Emporia Slagle
9	5E	Emporia Slagle
9	16A	State1
7	18B	Tarboro
9	19A	Tetotum
63	19B	Tetotum

**Field Warnings:**

**Field Name:** KQJRL 3

Total Acres: 21.90 Usable Acres: 21.90

FSA Number: 1  
Tract: 442  
Location: King & Queen  
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-2016	6.6	H+(122 P ppm)	M(78 K ppm)	A&L MIII	

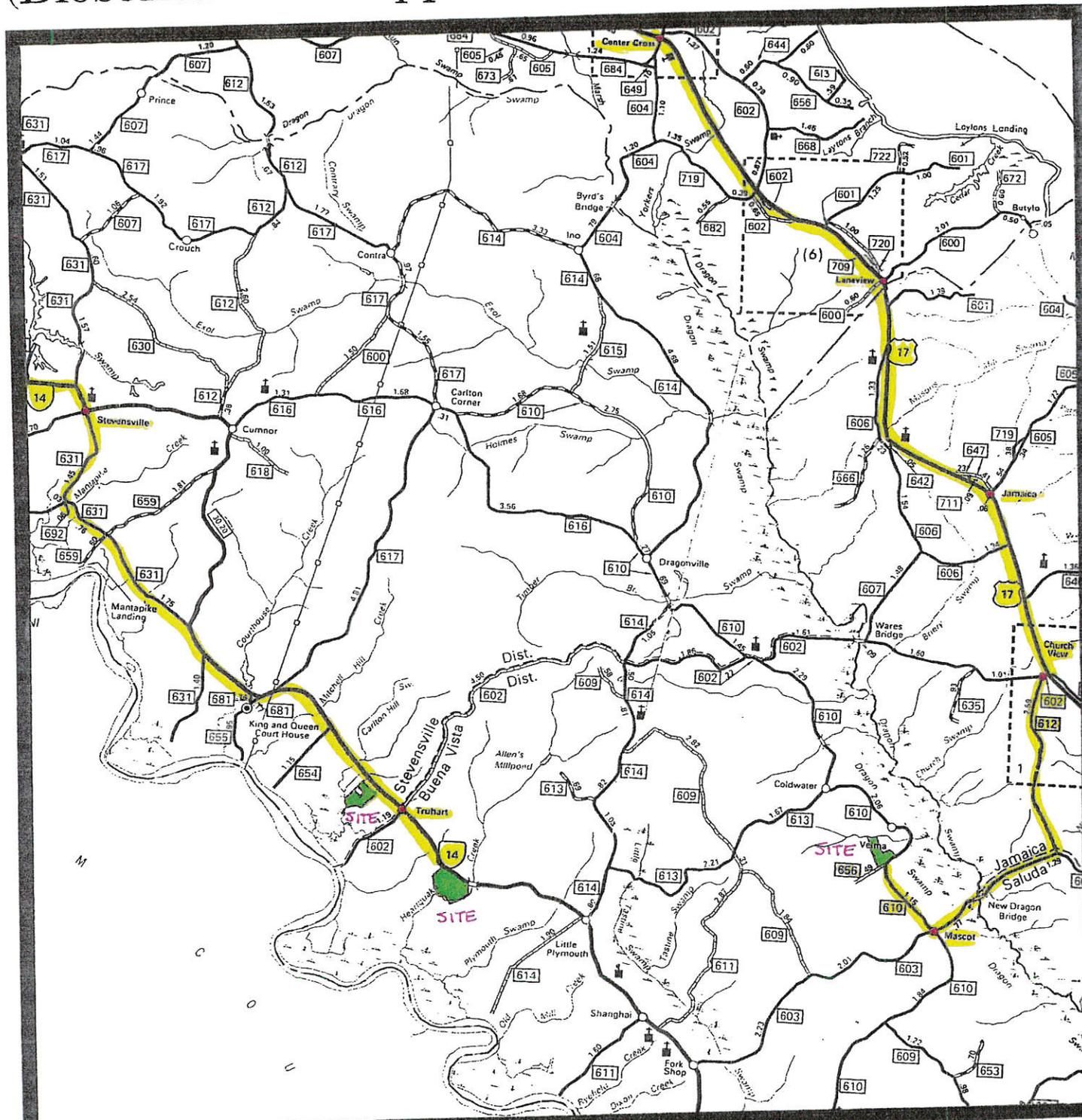
**Soils:**

PERCENT	SYMBOL	SOIL SERIES
1	5D	Emporia Slagle
18	10B	Munden
9	16A	State1
11	18B	Tarboro
43	19A	Tetotum
18	19B	Tetotum

**Field Warnings:**

# MAPS

# Recyc Systems, Inc. (Biosolids Land Application)



Scale: 1" = 2 miles

KQJRL 1-7

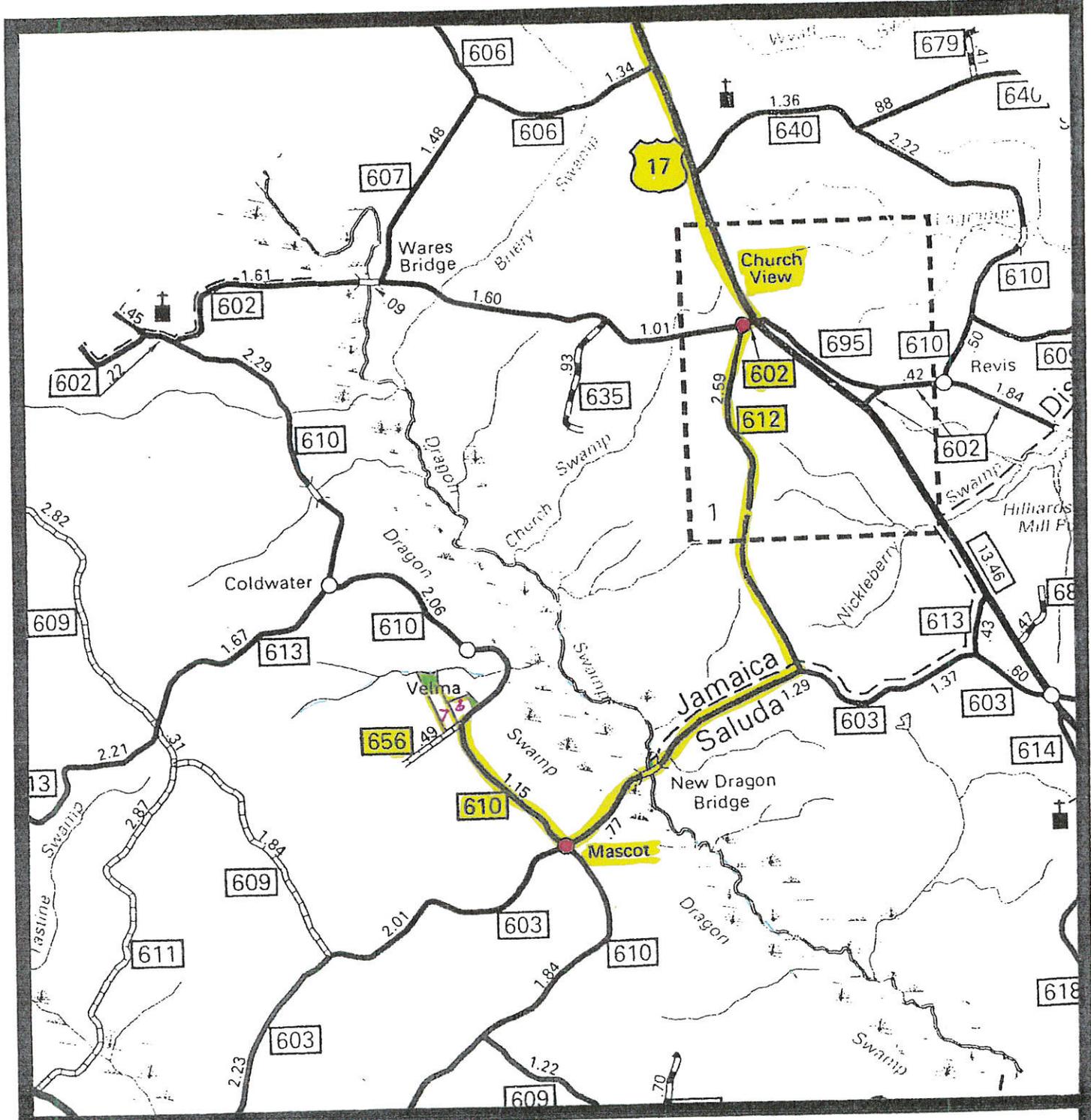
Recyc Systems, Inc.  
P.O. Box 562

VICINITY MAP





# Recyc Systems, Inc. (Biosolids Land Application)



Scale: 1" = 1 mile

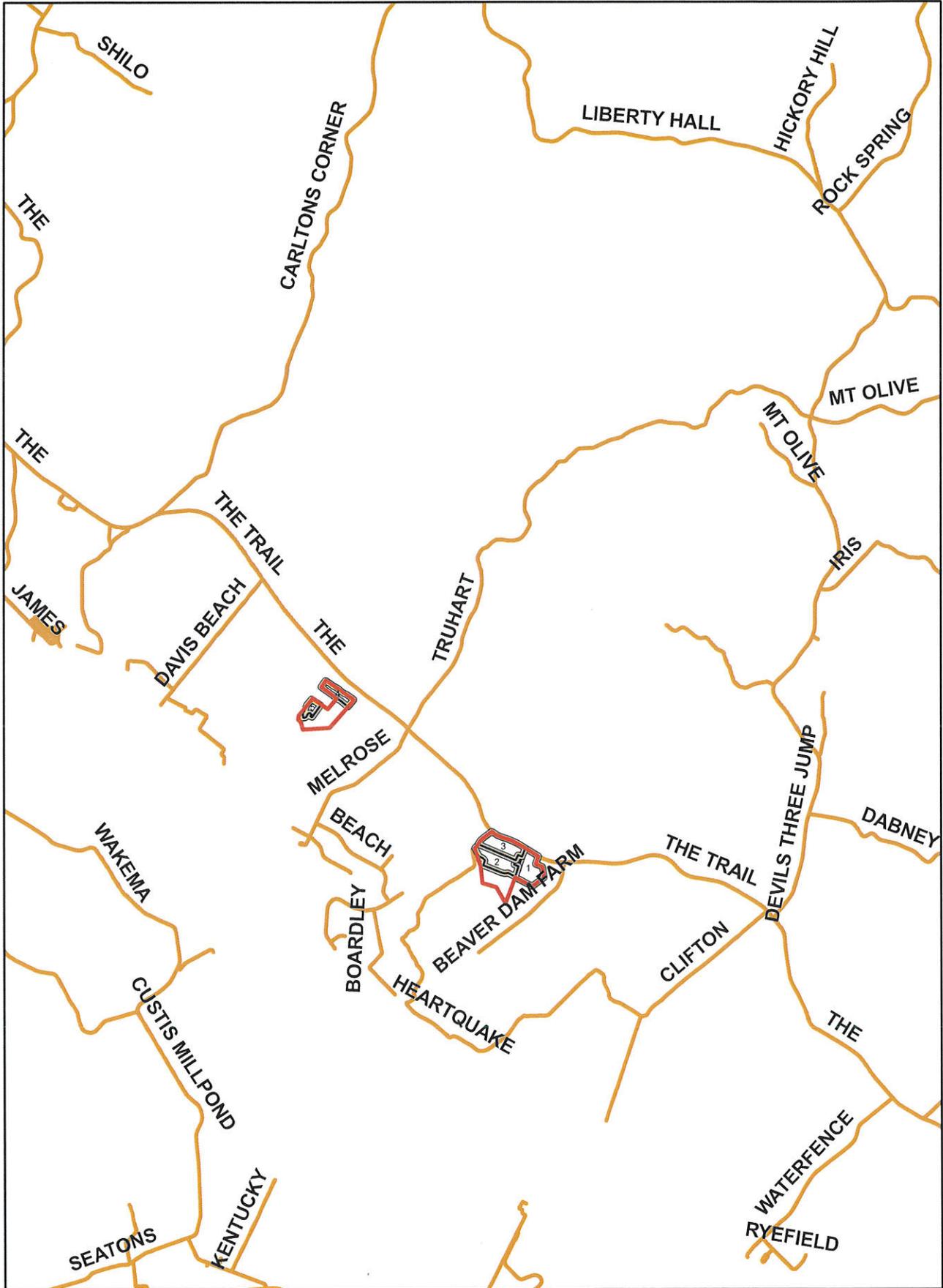
KQJRL 6-7

Recyc Systems, Inc.  
P.O. Box 562

VICINITY MAP



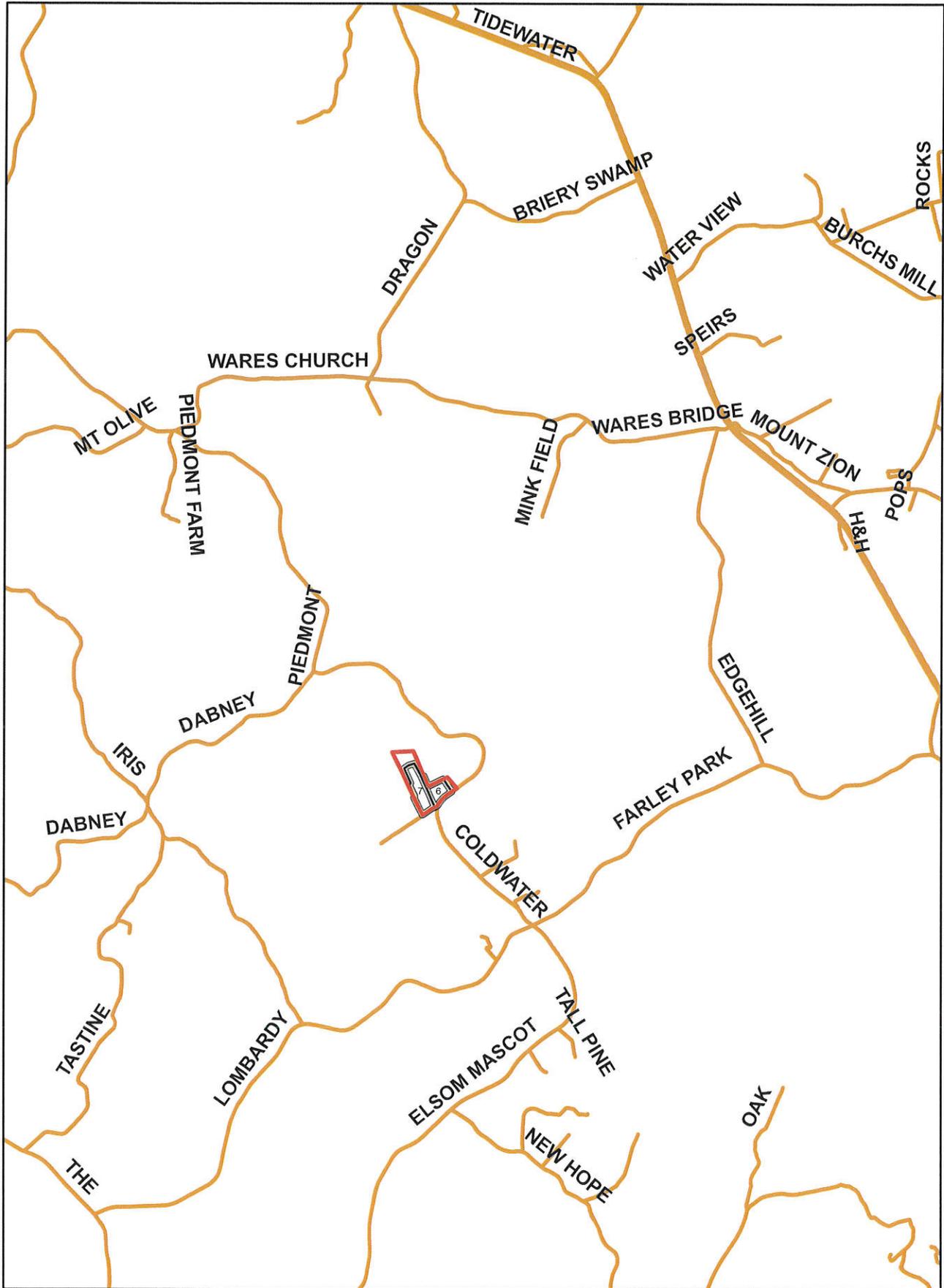




1-10-18

VICINITY MAP

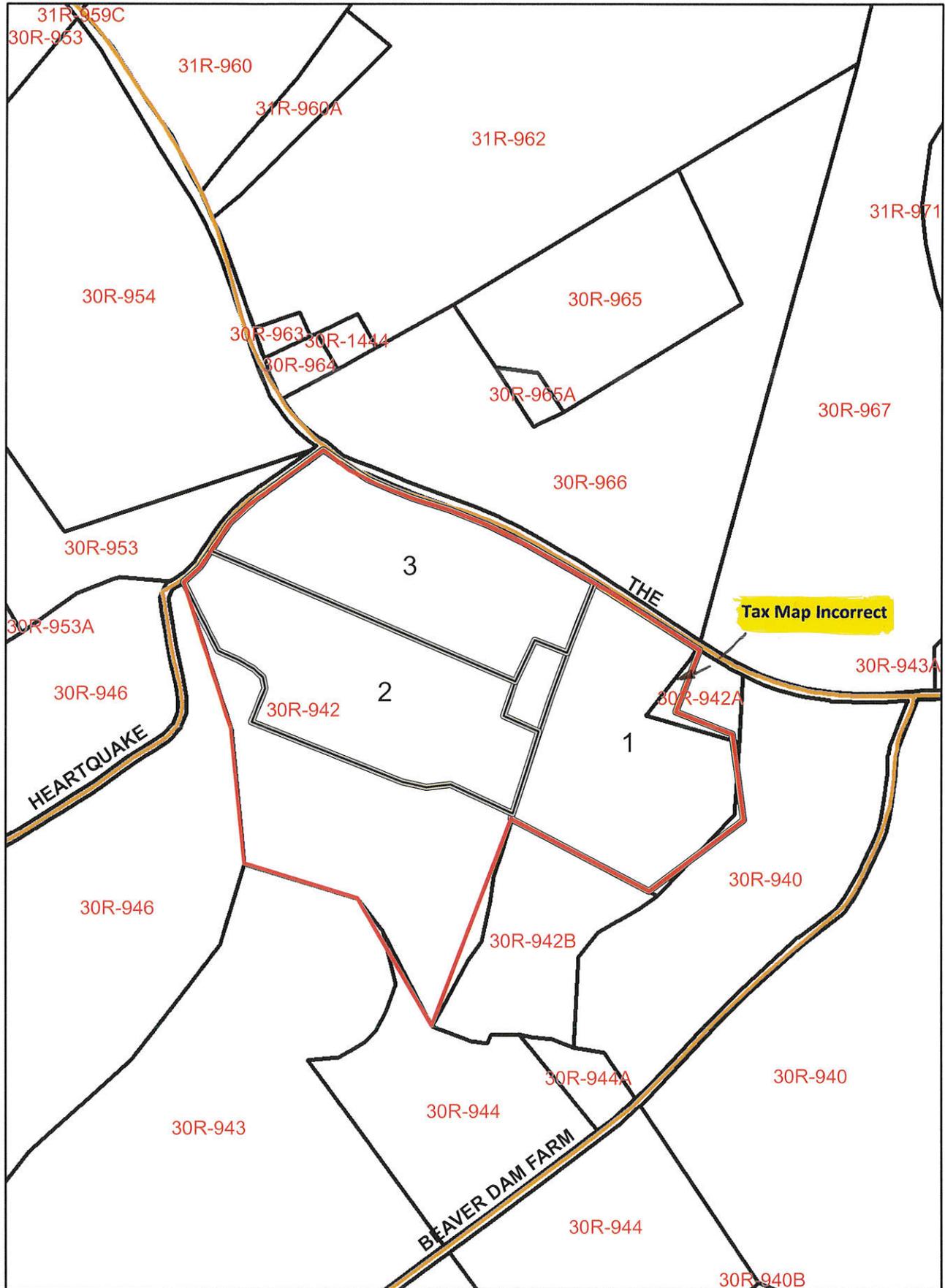
1 in = 1 miles



1-10-18

VICINITY MAP

1 in = 1 miles

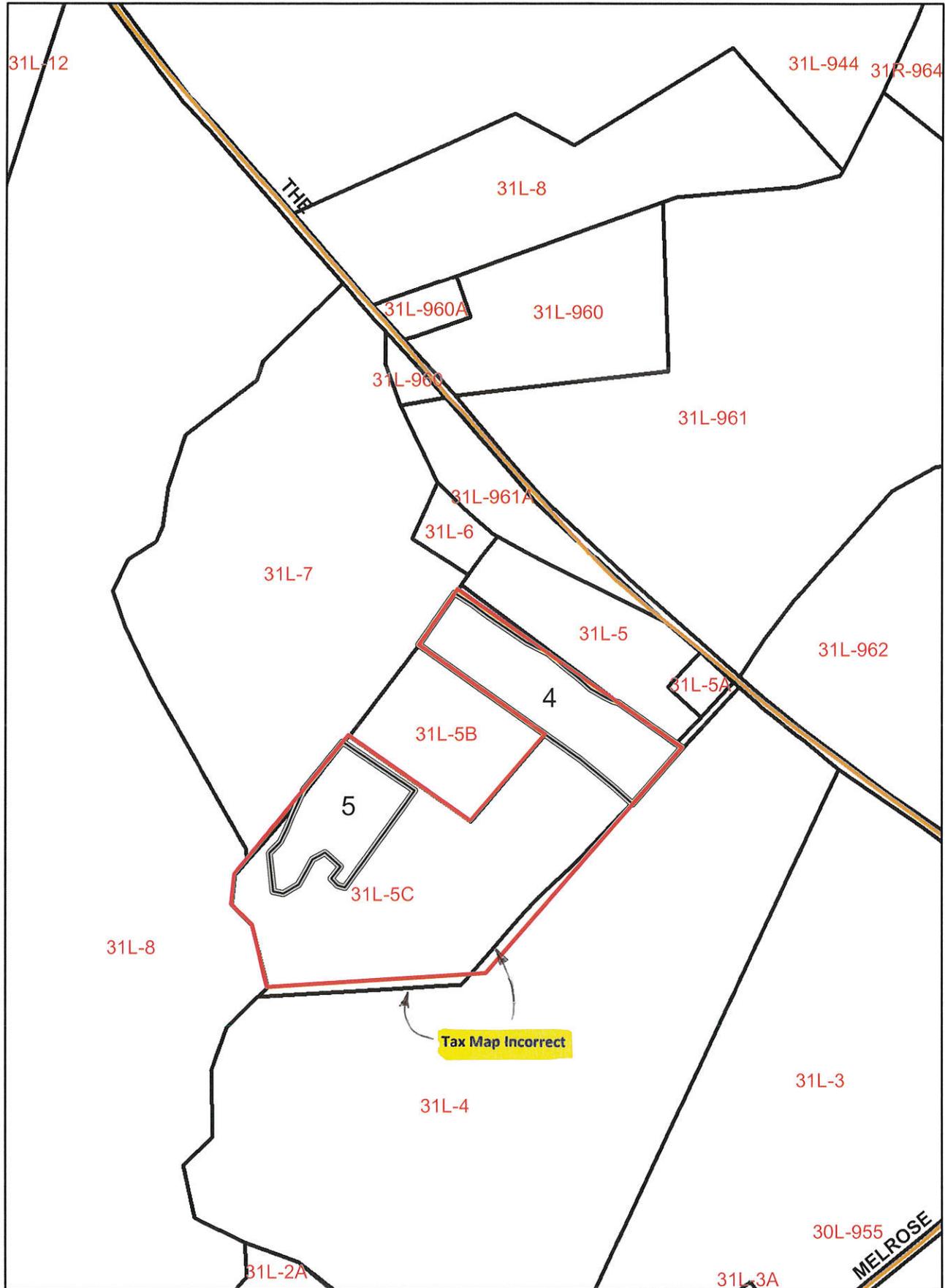


1-10-18

TAX MAP

1 in = 660 feet





1-10-18

**TAX MAP**

1 in = 660 feet



# ADJOINING LANDOWNERS

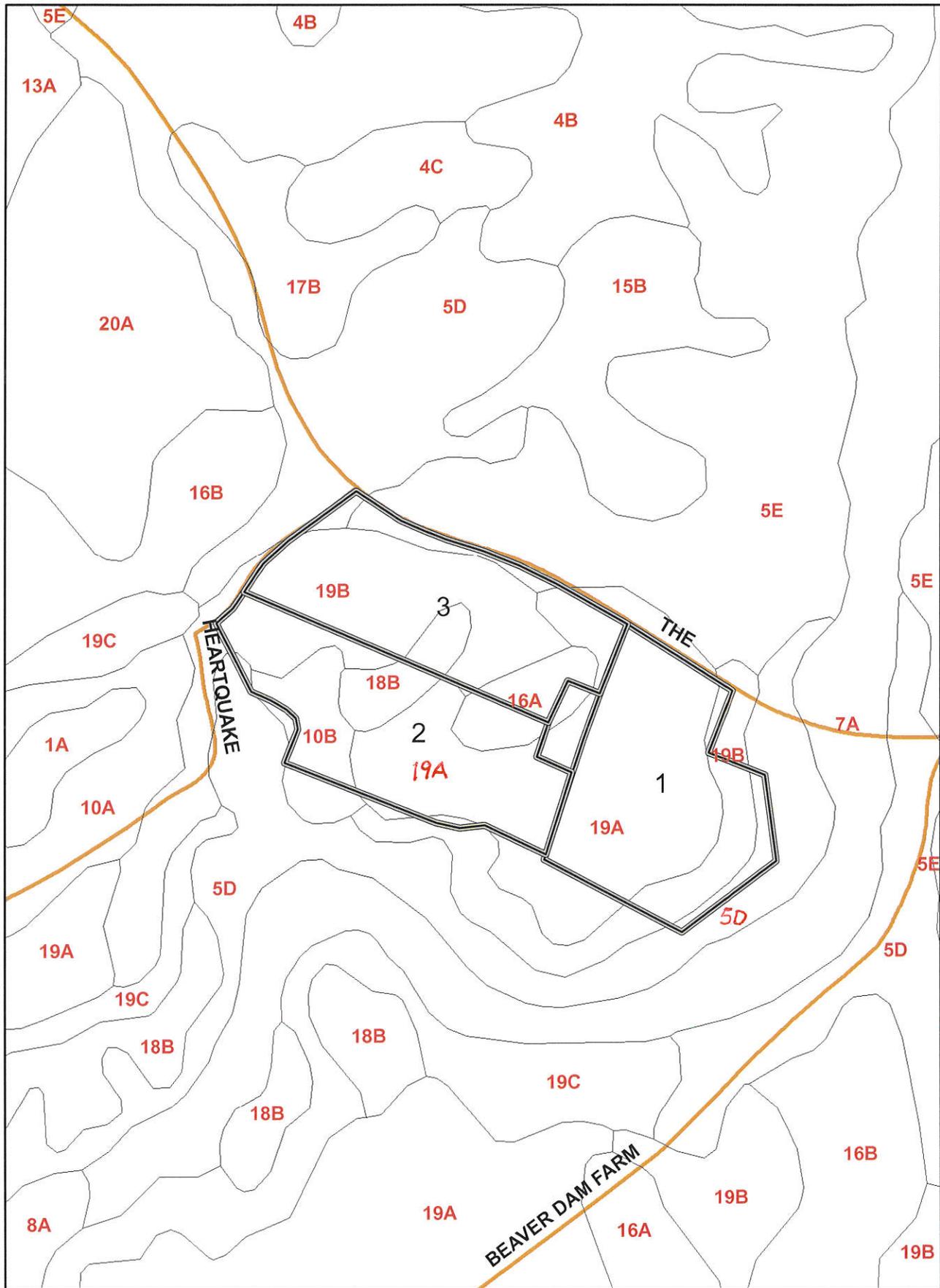
## John R. Longest III

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### KING & QUEEN COUNTY

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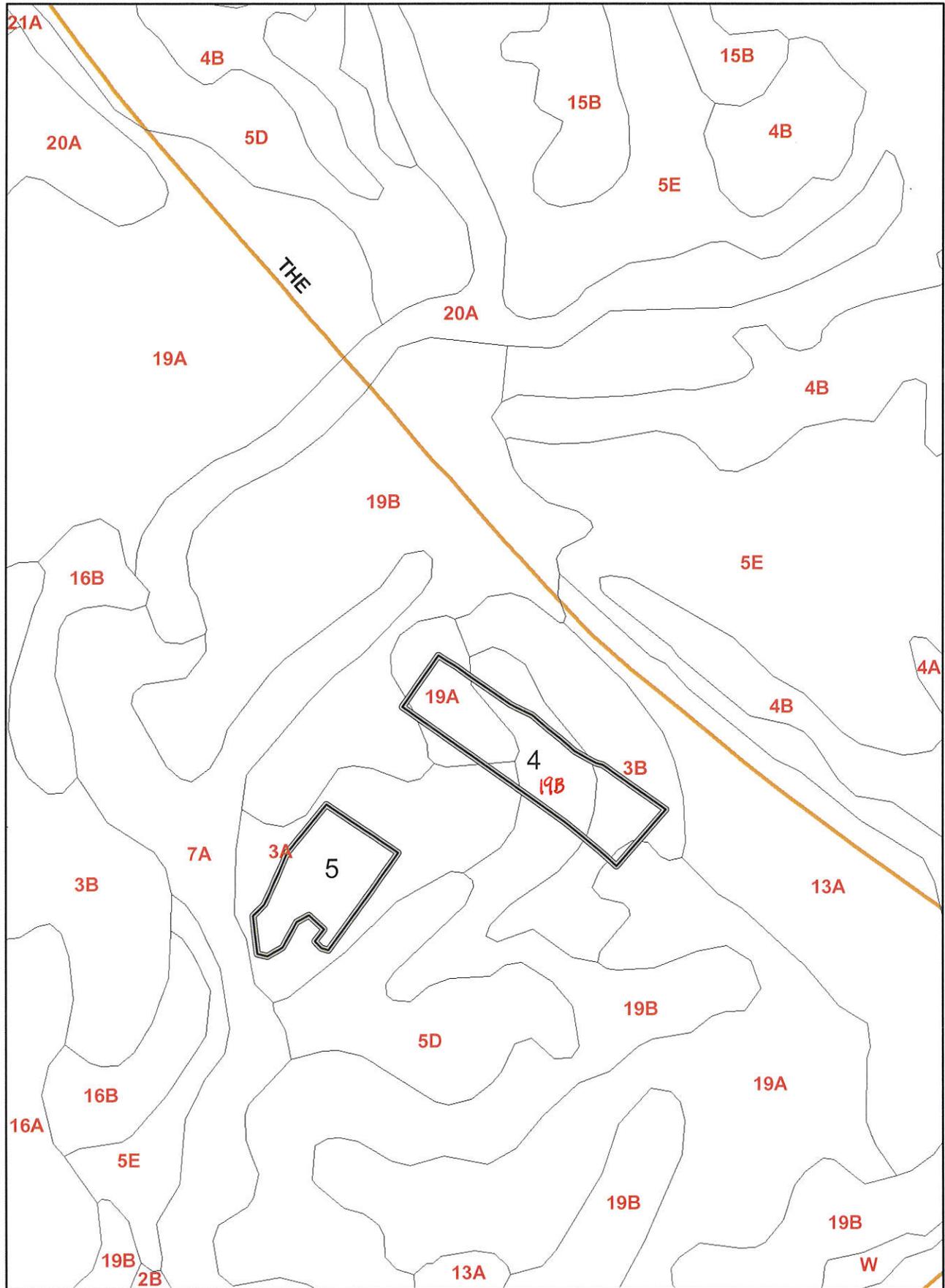
Tax Map	Parcel #	Owner Name(s)
1623	137L-1271	Helen Page Garrett et. als.
	137L-1271A	Janice S. Richardson
	138L-1275	George M. Walker, Jr. et. ux.
	138L-1276	Sally Sutton Henley
	138L-1357	Heartwood Forestland Fund VI LP
	138R-1280	Helen Page Garrett
1624	30R-940	Eleanor J. Carlton Trust et. als.
	30R-942A	Margie E. Longest
	30R-942B	Margie Eubank Longest
	30R-943	Roger Wayne Carlton
	30R-944	Roger Wayne Carlton
	30R-944A	Roger Wayne Carlton
	30R-946	Roger Wayne Carlton
	30R-953	William R. and Jerline B. Holmes
	30R-954	John W. McKinney III
	30R-964	Scott Humphrey
	30R-966	Flora Lee Estate
	30R-967	Edward Holmes
	31L-4	James L. Moody
	31L-5	Ethel Hoskins
	31L-5A	Wilbert H. Ackies
	31L-5B	Ethel Hoskins
	31L-6	Call-Canada Propeties
	31L-7	Robert R. South III and Joern C.
	31L-8	Robert R. South III and Lavern S. Longest Trustees
	31L-961A	Robert R. South III and Joshua Russell



1-10-18

SOIL MAP

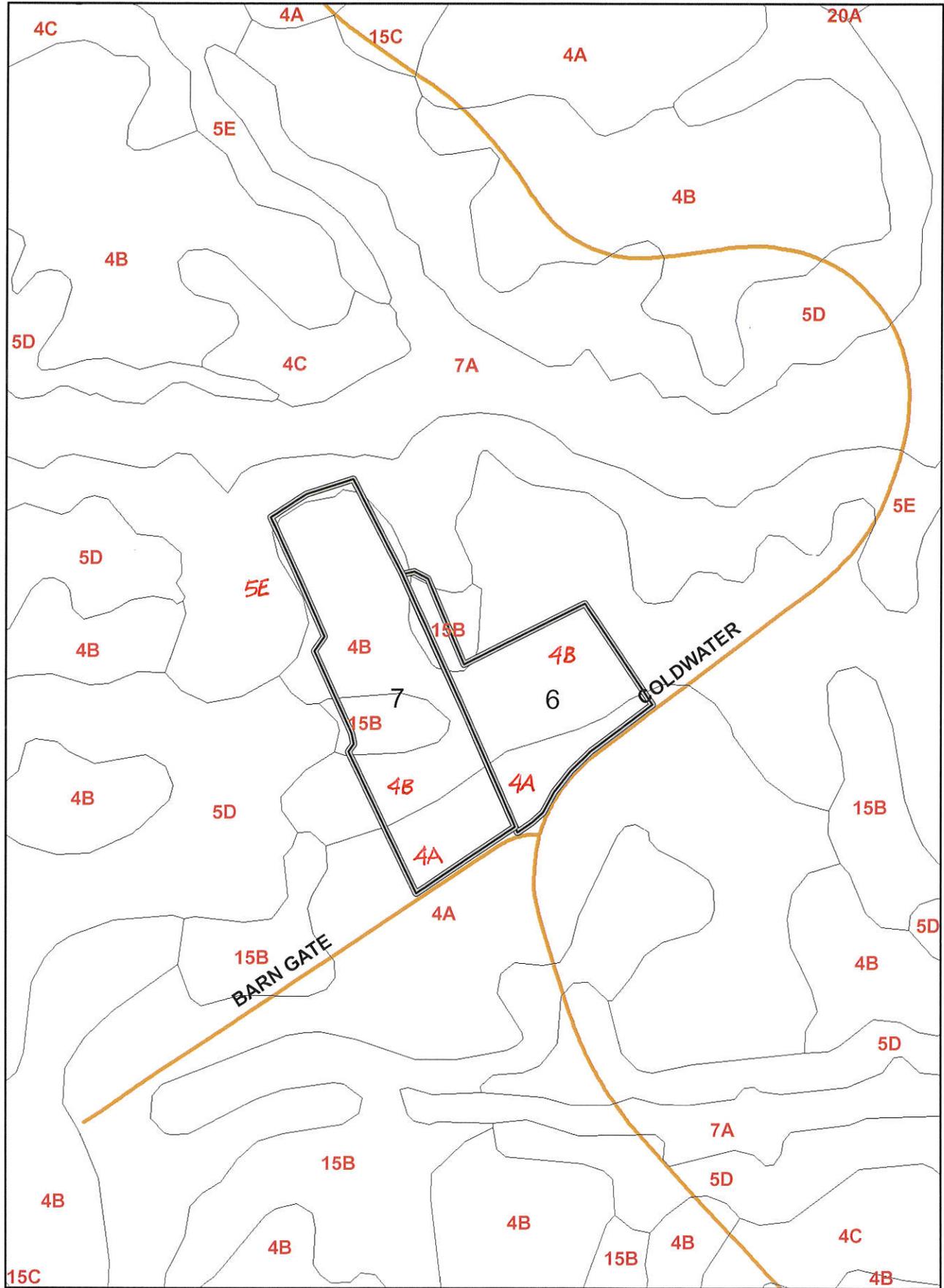
1 in = 660 feet



1-10-18

**SOIL MAP**

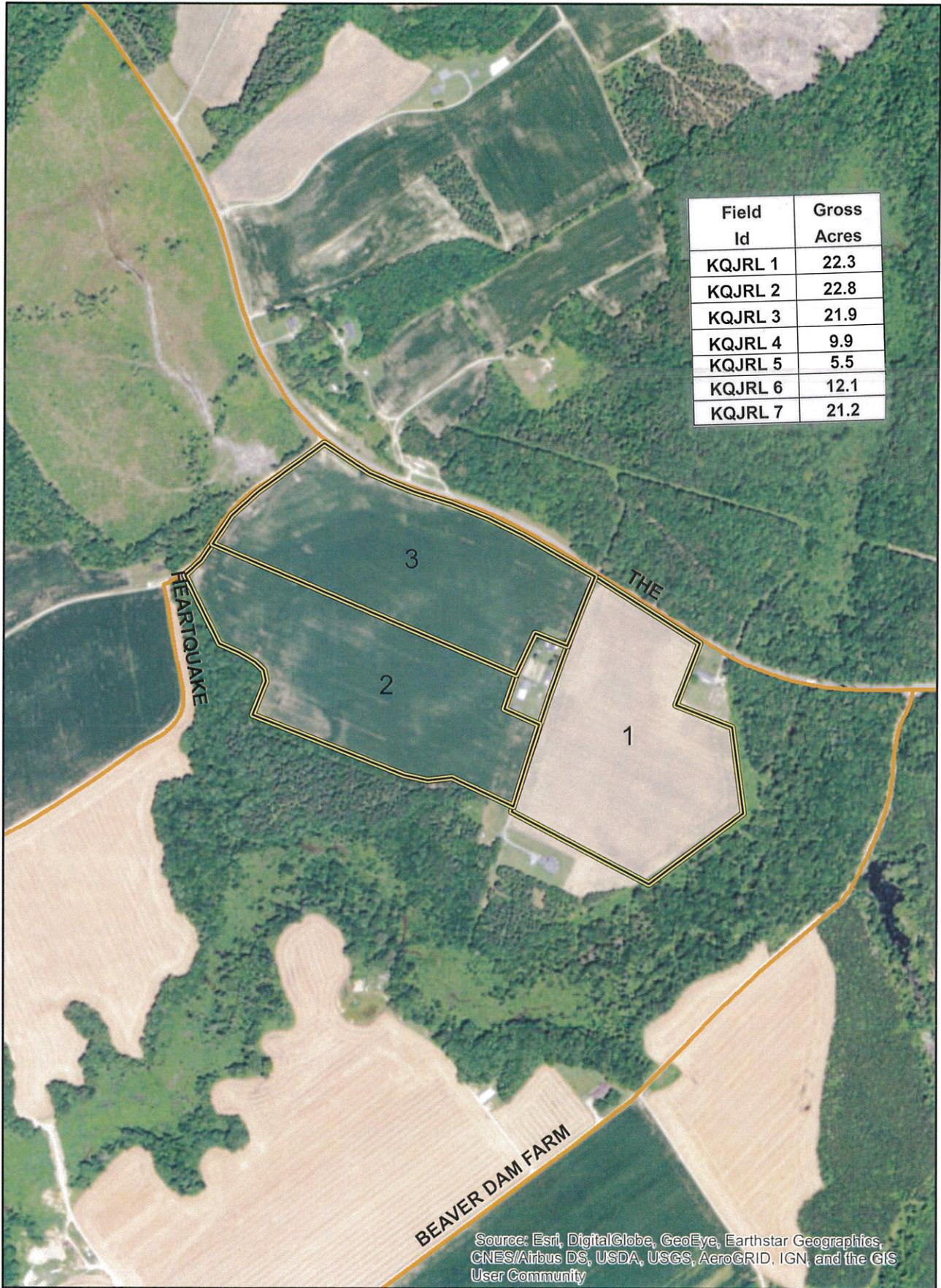
1 in = 660 feet



1-10-18

SOIL MAP

1 in = 660 feet



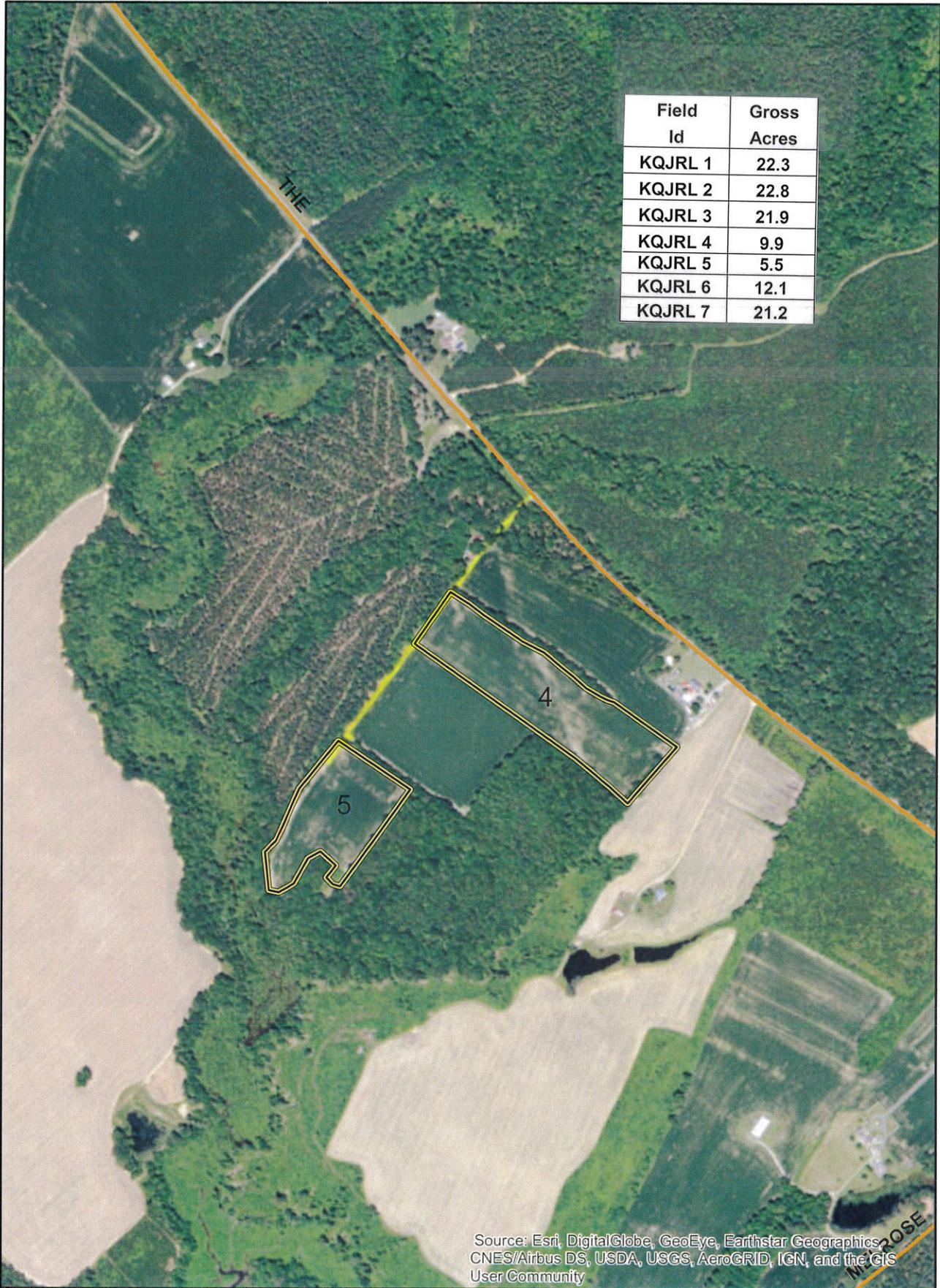
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



1-10-18

**AERIAL MAP**

1 in = 660 feet



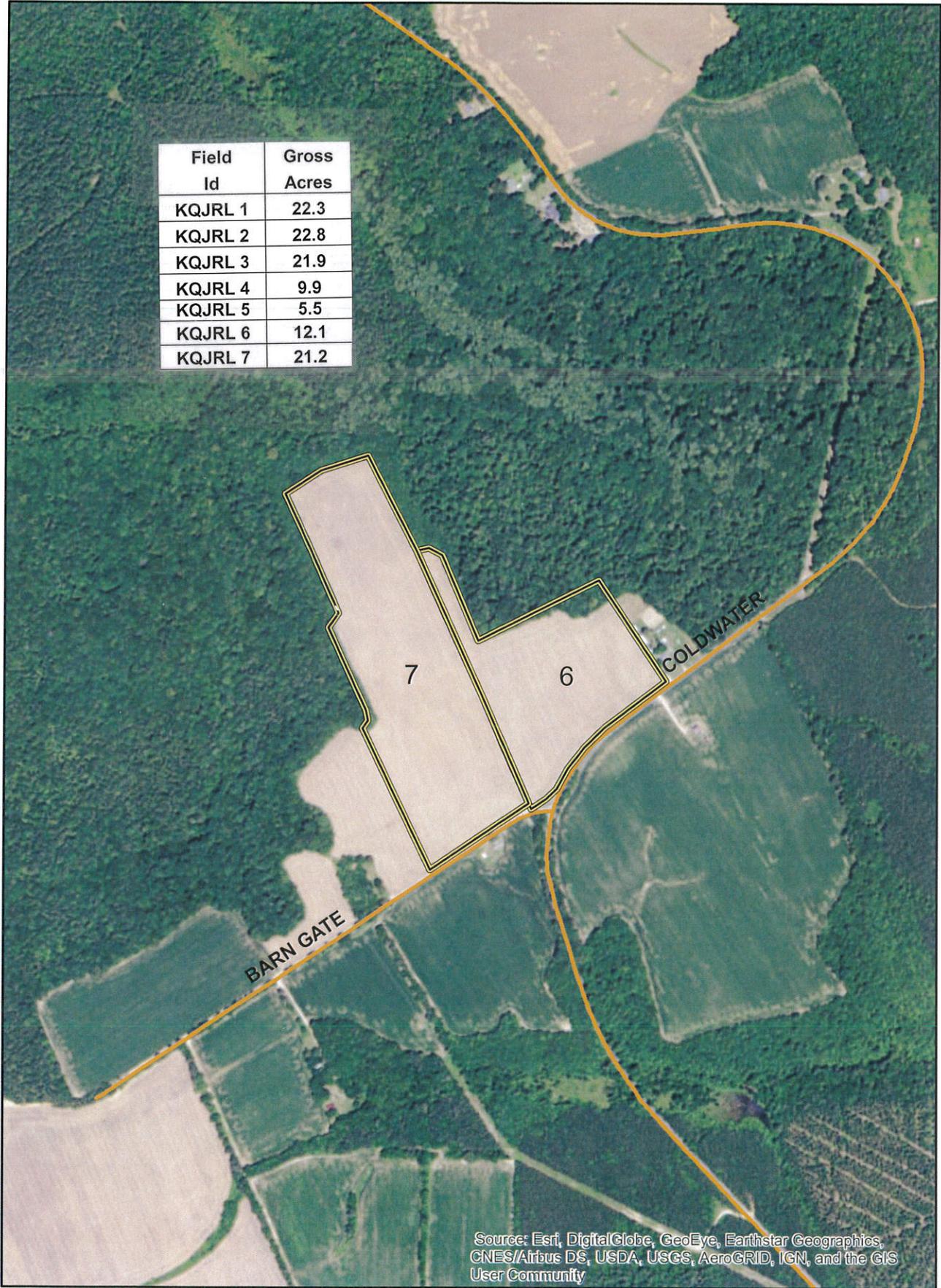
1-10-18

**AERIAL MAP**

1 in = 660 feet



Field Id	Gross Acres
KQJRL 1	22.3
KQJRL 2	22.8
KQJRL 3	21.9
KQJRL 4	9.9
KQJRL 5	5.5
KQJRL 6	12.1
KQJRL 7	21.2



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

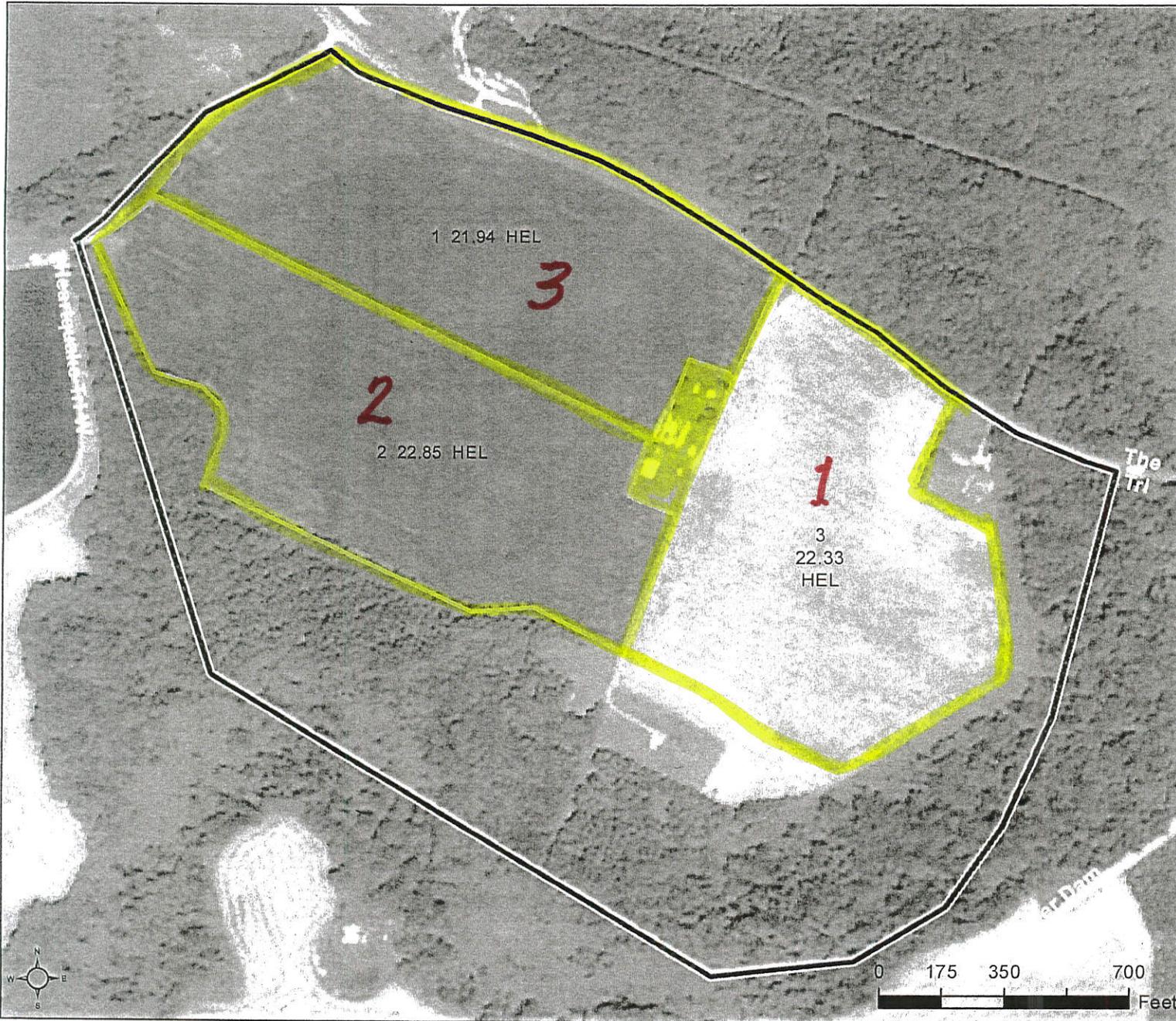


1-10-18

**AERIAL MAP**

1 in = 660 feet

**Farm 2955**  
**Tract 442**



2018 Program Year  
Map Created July 31, 2017

**Common Land Unit**  
Common Land Unit  
rcl\_va057\_va099\_va101  
Tract Boundary

**Wetland Determination Identifiers**

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

Tract Cropland Total: 67.12 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).



**Farm 2955**  
**Tract 418**

2018 Program Year  
Map Created July 31, 2017

**Common Land Unit**  
Common Land Unit  
rcl\_l\_va057\_va099\_va101  
Tract Boundary

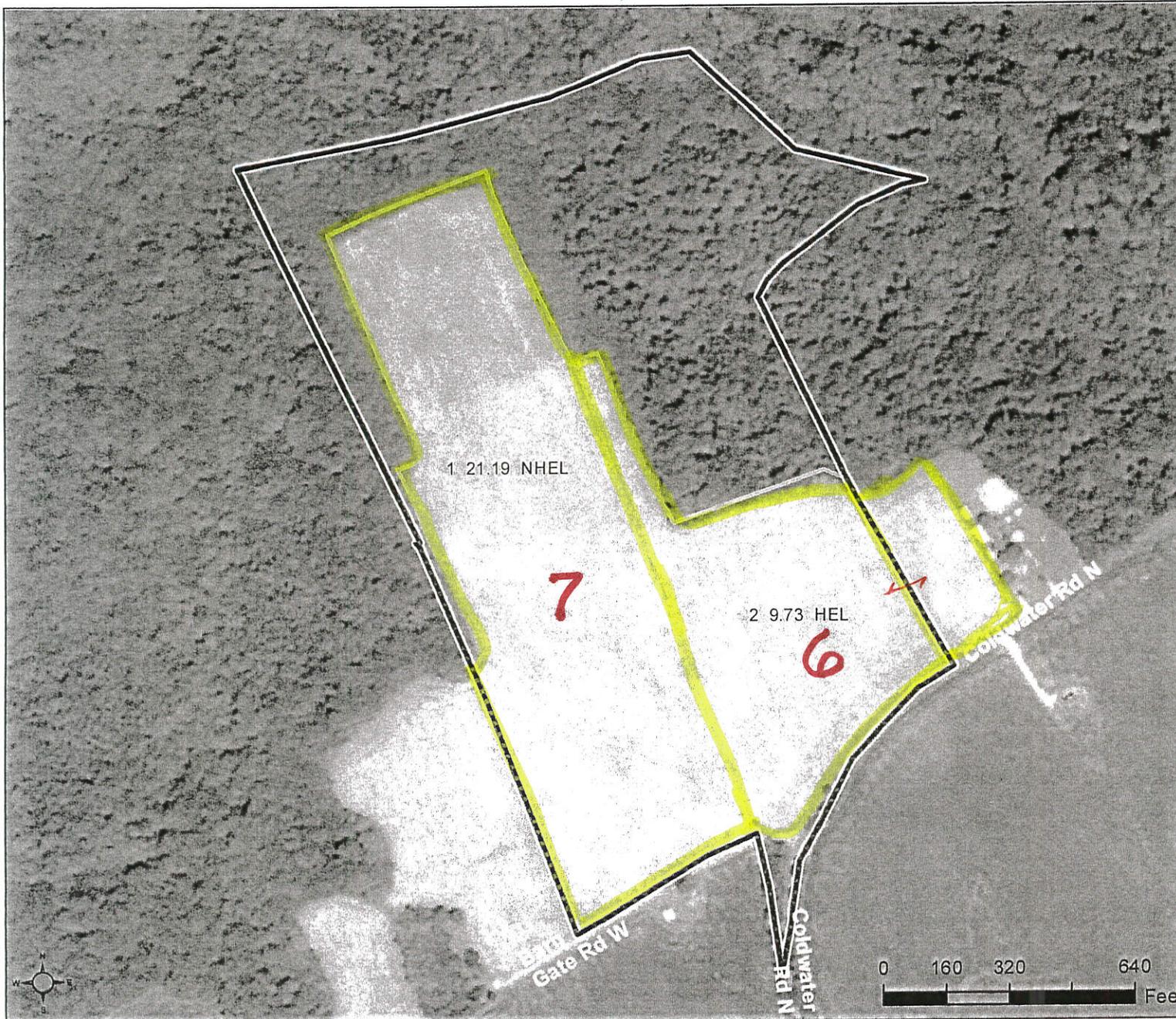
**Wetland Determination Identifiers**

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

Tract Cropland Total: 15.37 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).

Farm 2955  
Tract 278



2018 Program Year  
Map Created July 31, 2017

**Common Land Unit**  
Common Land Unit  
rcl\_l\_va057\_va099\_va101  
Tract Boundary

**Wetland Determination Identifiers**

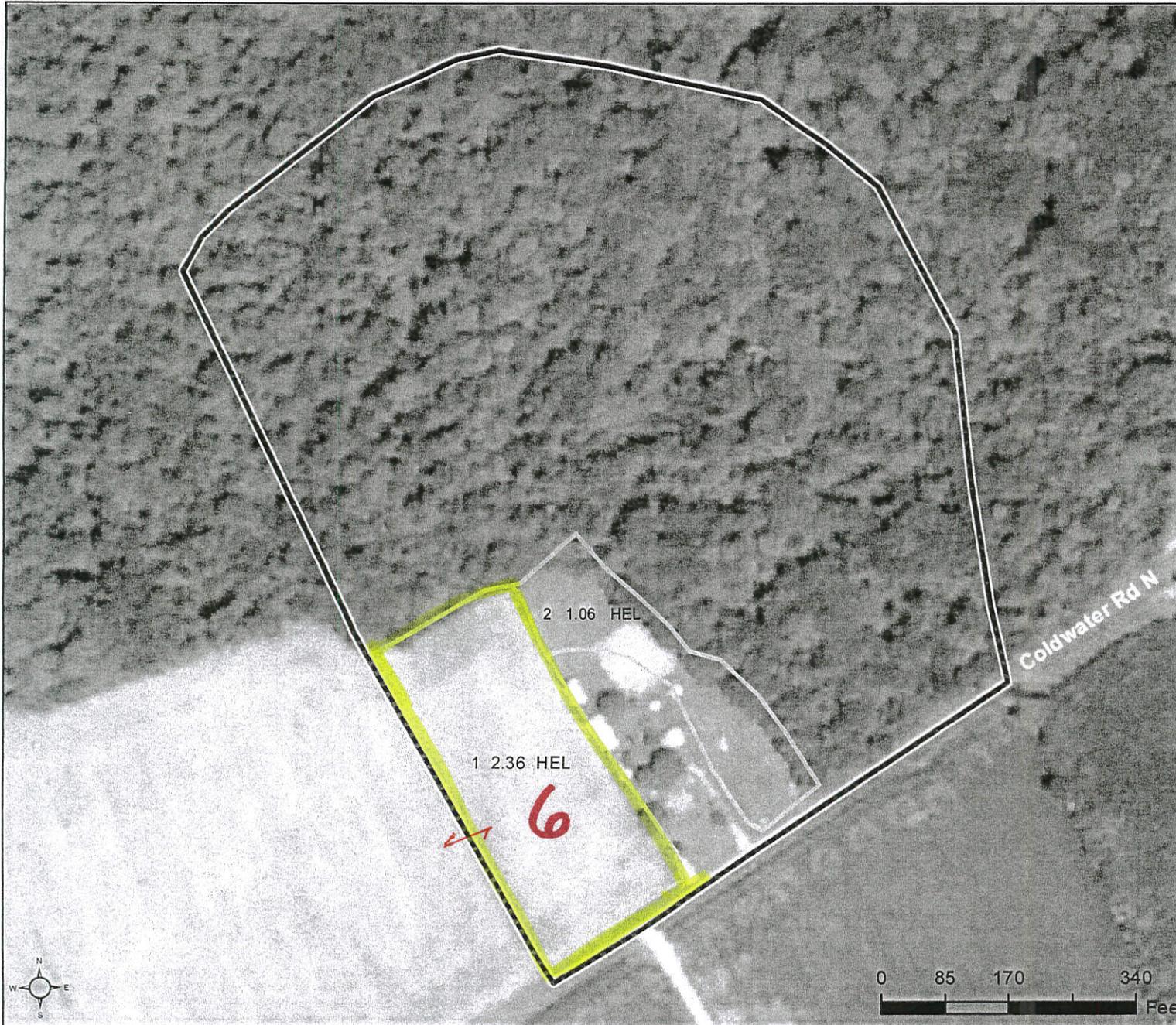
- Restricted Use
- ▽ Limited Restrictions
- Exempt from Conservation Compliance Provisions

Tract Cropland Total: 30.92 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).

**Farm 2955  
Tract 285**

**2018 Program Year**  
Map Created July 31, 2017



**Common Land Unit**  
 Common Land Unit  
 rcl\_l\_va057\_va099\_va101  
 Tract Boundary

**Wetland Determination Identifiers**

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

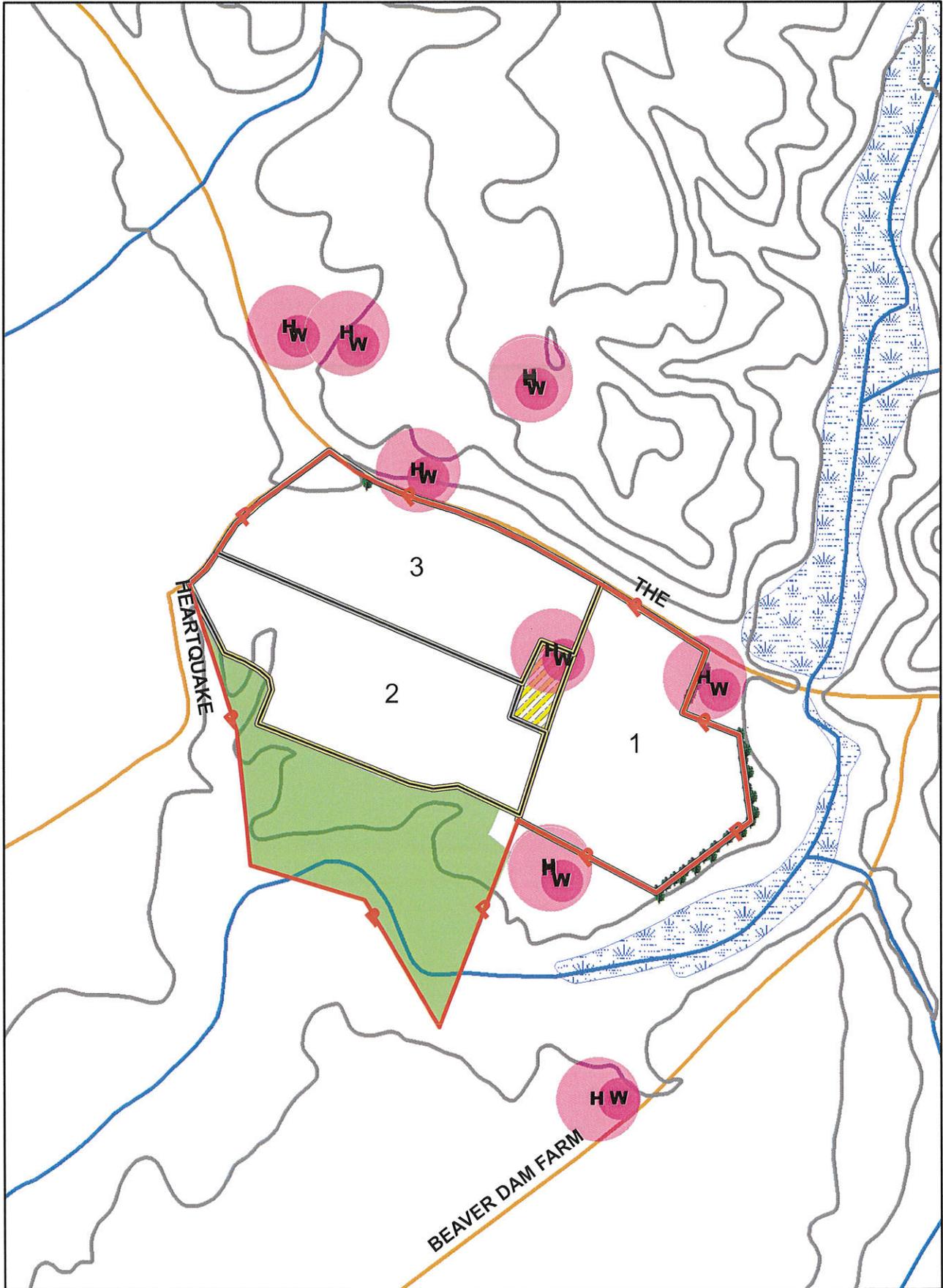
Tract Cropland Total: 3.42 acres

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).

# 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

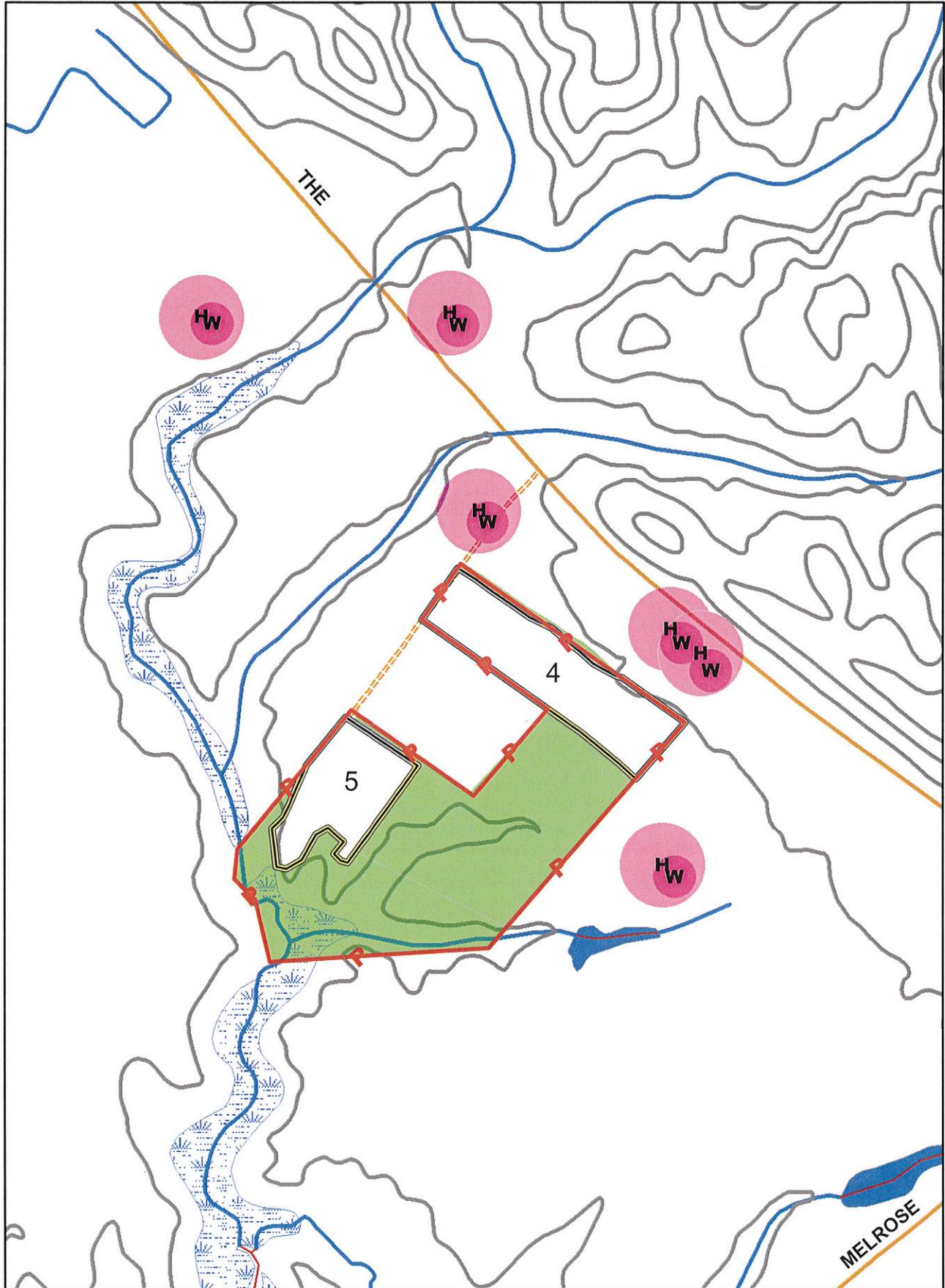
\*Buffer can be reduced or waived upon written consent from landowner.



1-10-18

**SITE PLAN**

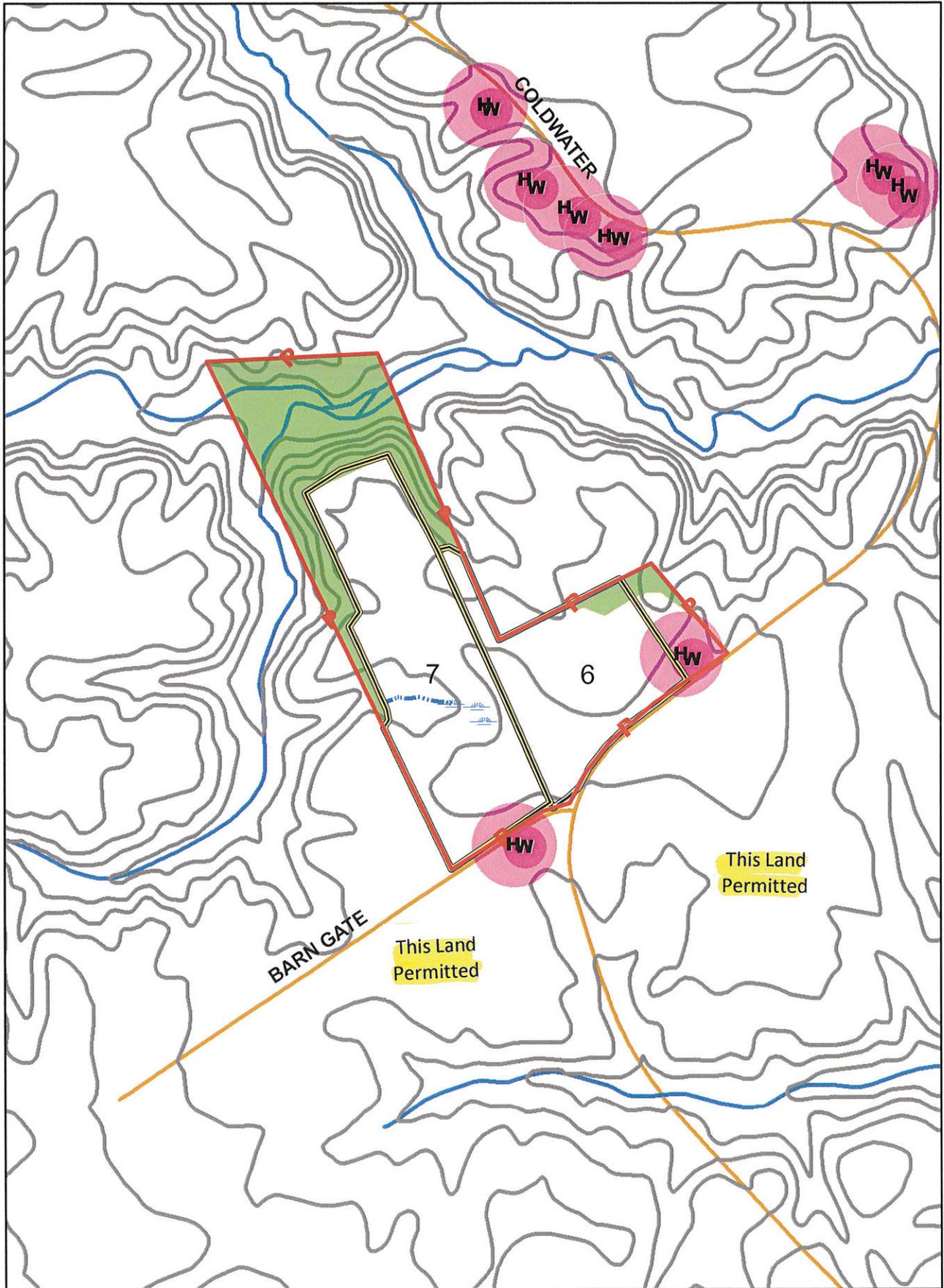
1 in = 660 feet



1-10-18

**SITE PLAN**

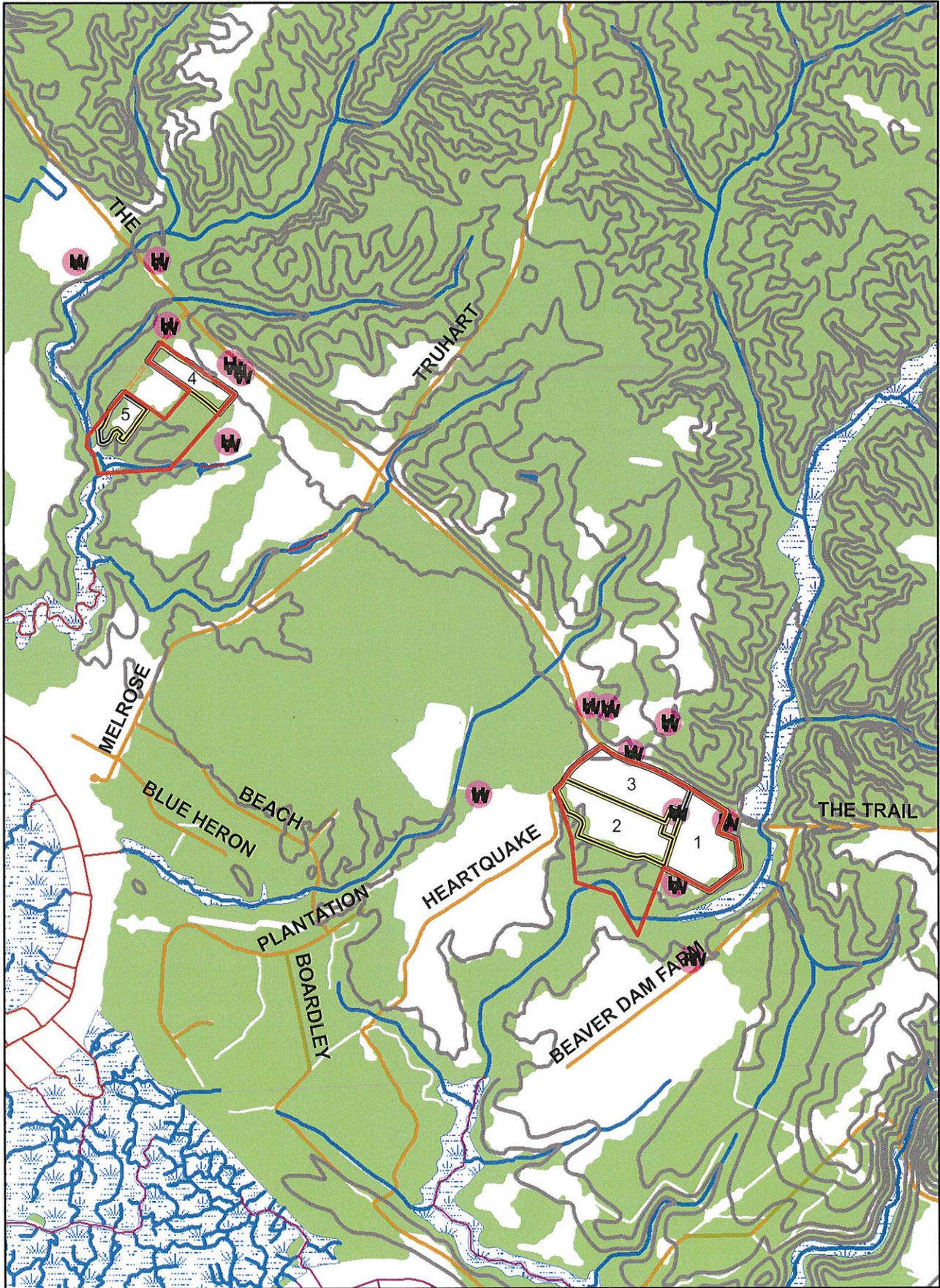
1 in = 660 feet



1-10-18

**SITE PLAN**

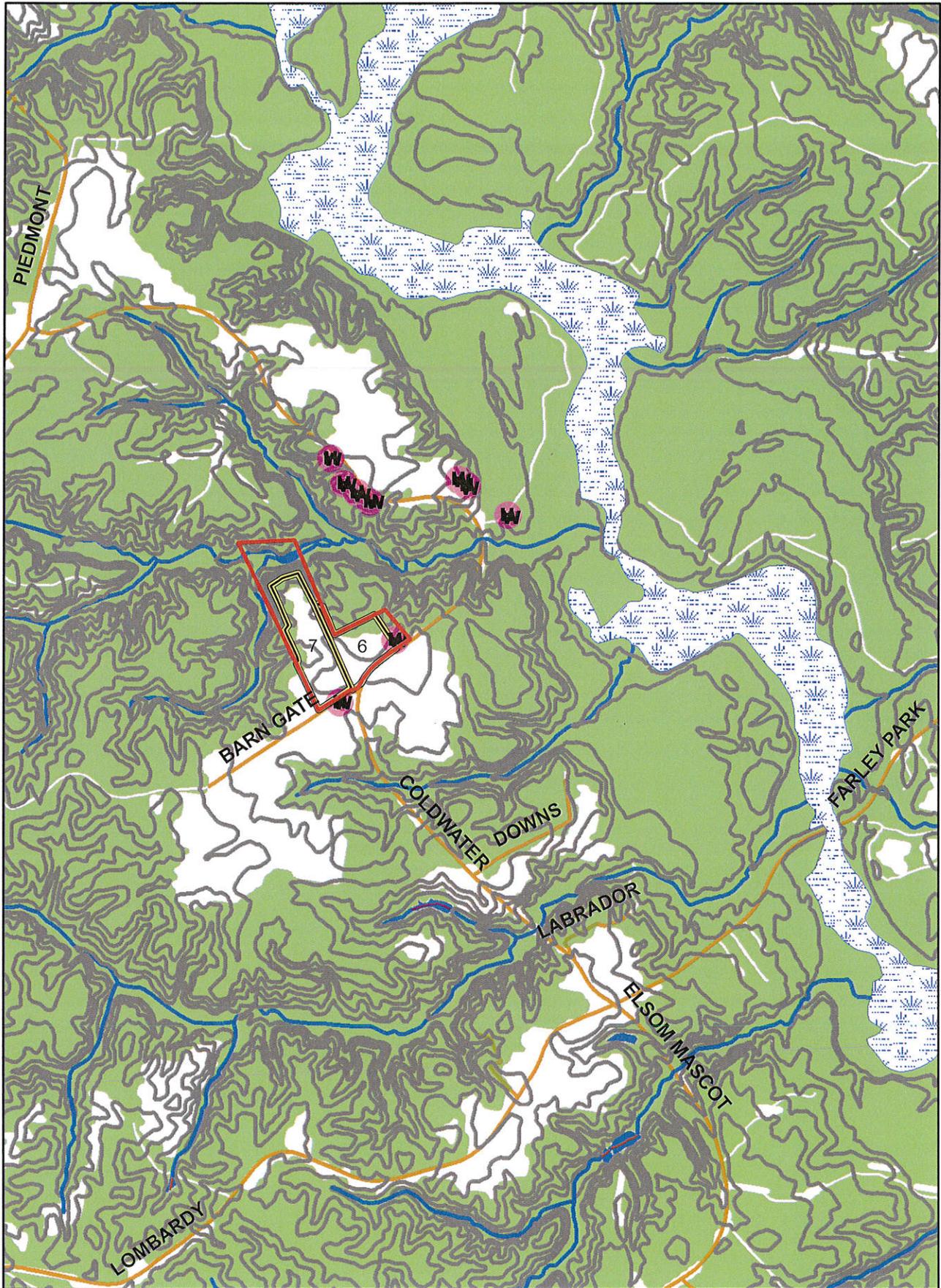
1 in = 660 feet



1-10-18

**TOPOGRAPHIC MAP**

1 in = 2,000 feet



1-10-18

TOPOGRAPHIC MAP

1 in = 2,000 feet