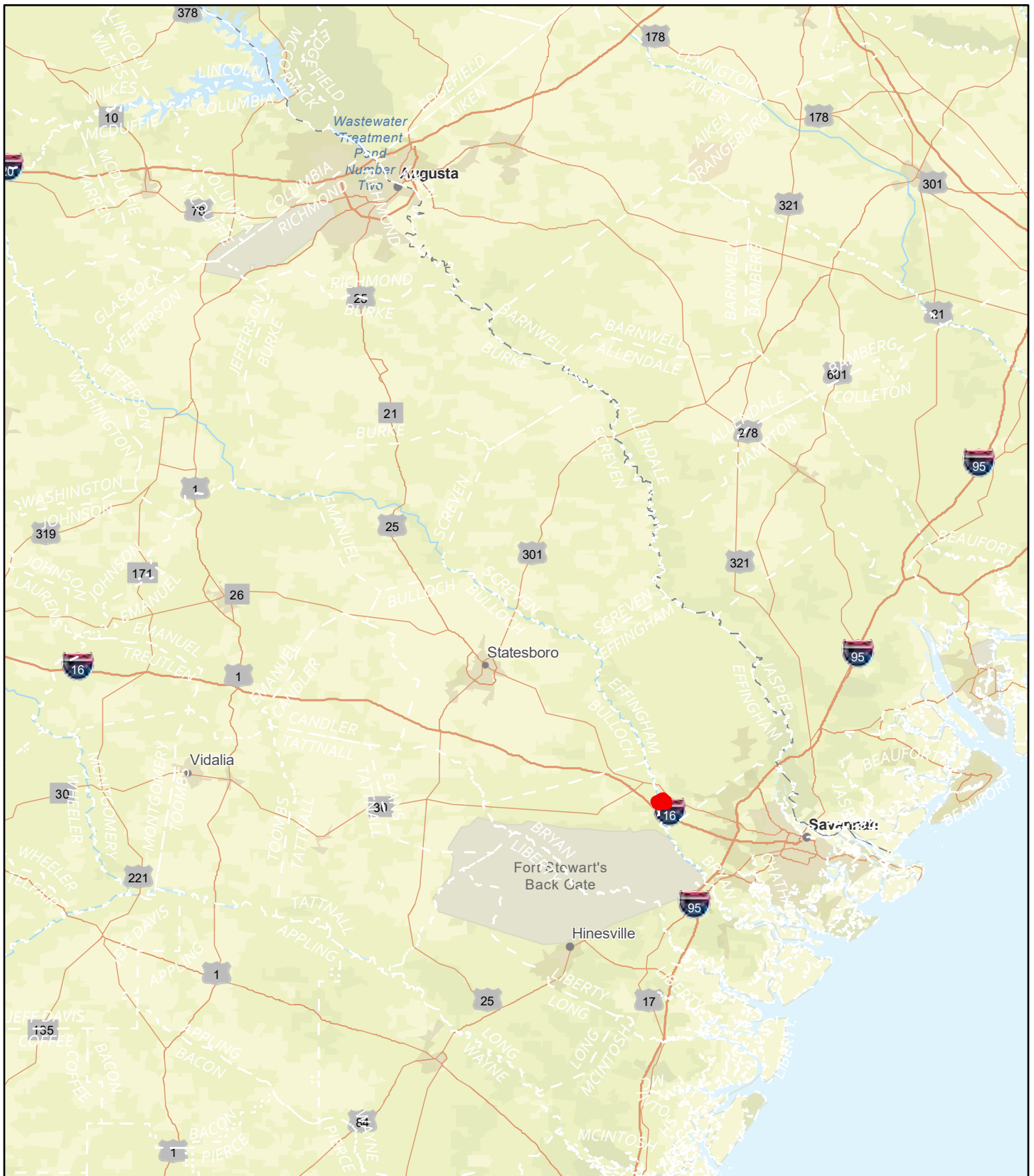




# GIS Map Package

Prepared By: Jack Frankhouser



# Effingham County

## Region Map



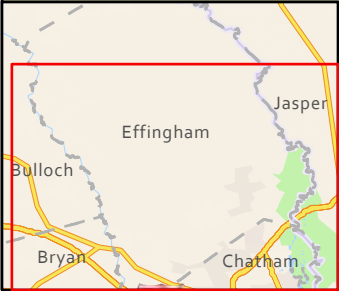
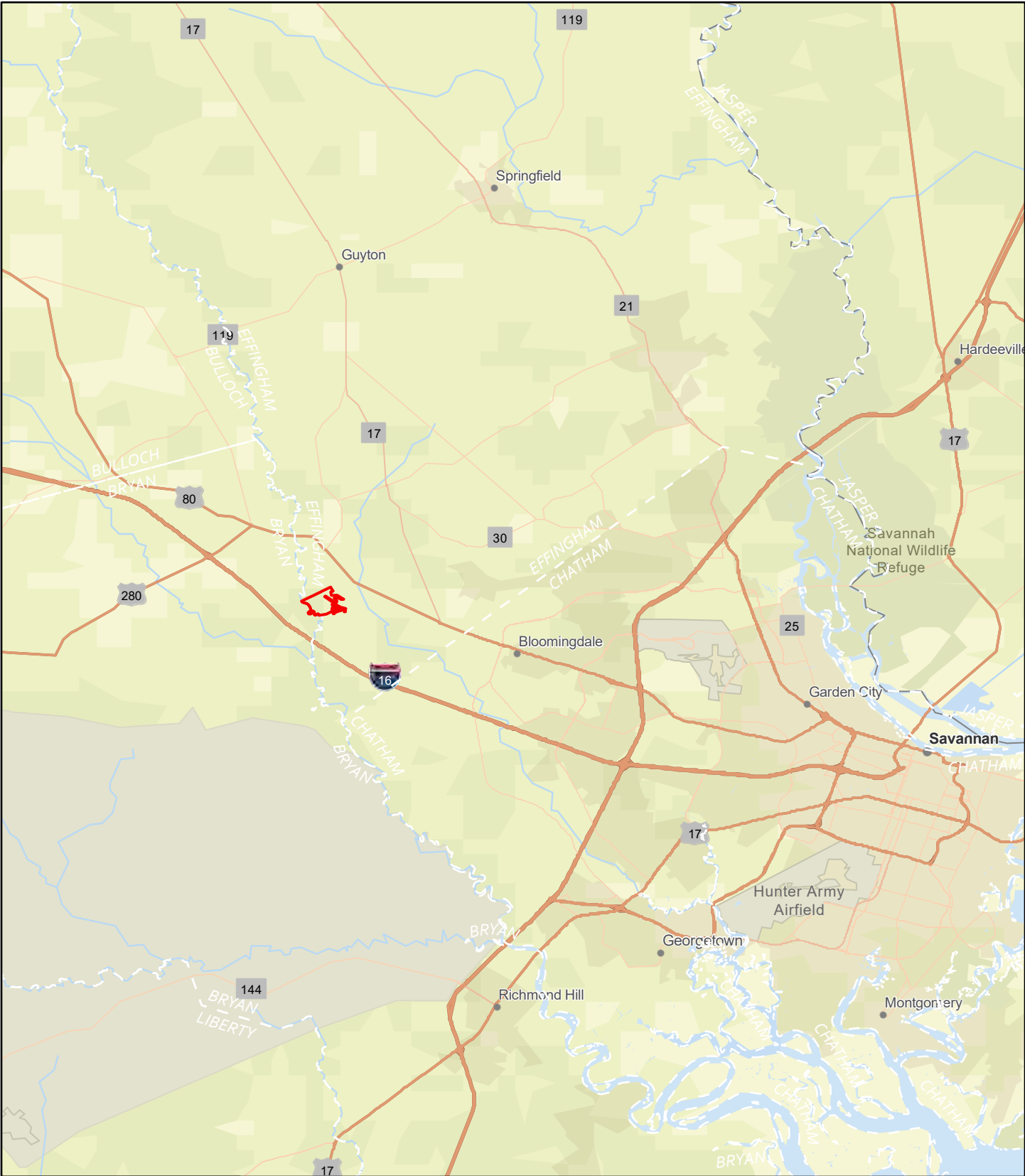
JACK R FRANKHOUSER, ALC  
 REALTOR/FORESTER  
 ACCREDITED LAND CONSULTANT  
 912-678-5920  
 GH.LAND.COM

# 2024

LONG, GA BULLOCH, GA Map Center: 81.71104°W 32.60464°N



1 inch equals 106,587 feet




# Effingham County

## Location Map


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# 2024



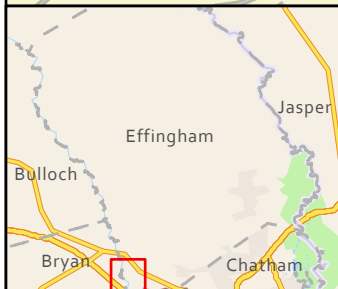
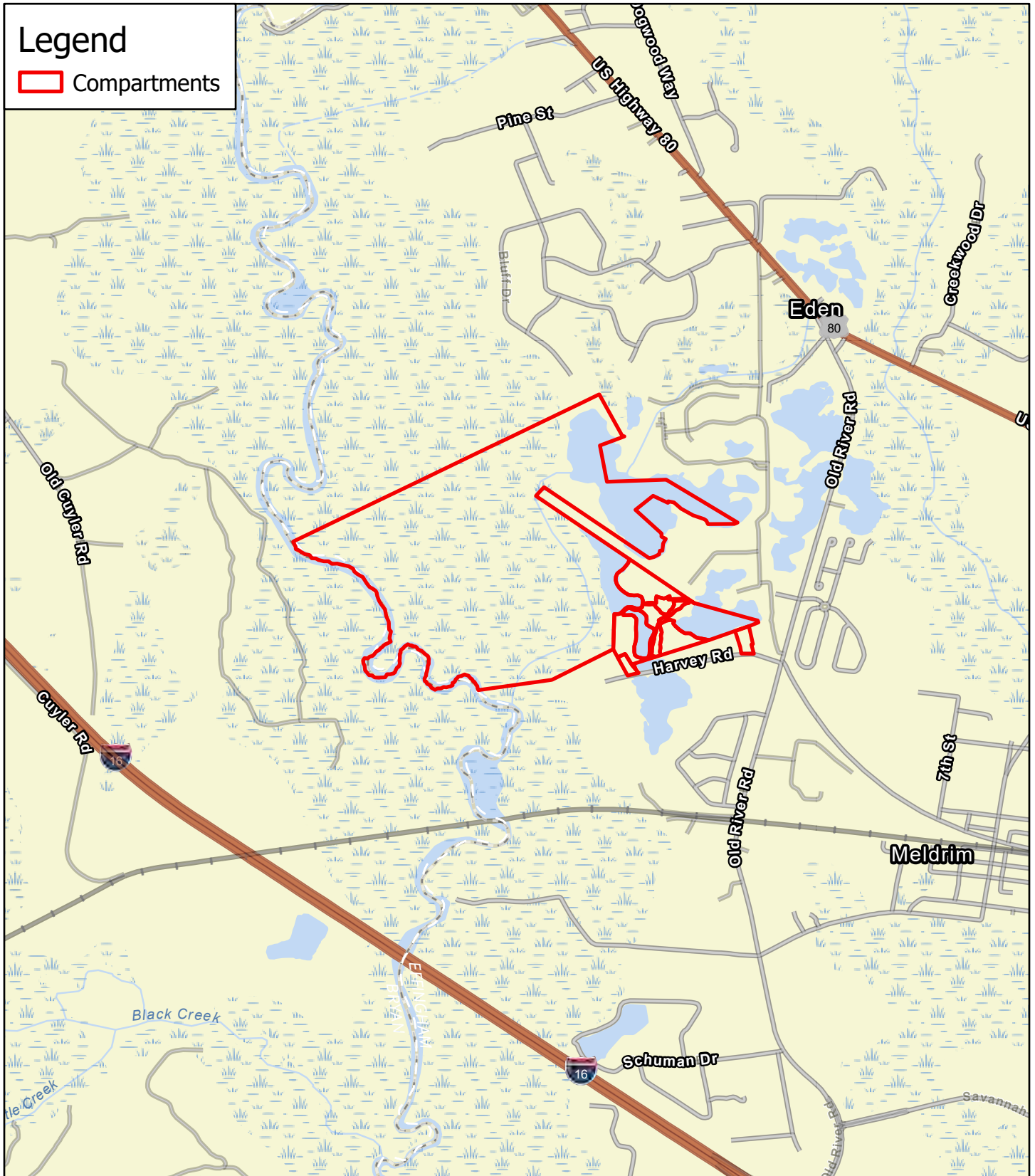
**N**

1 inch equals 25,677 feet

BULLOCH, GA BRYAN, Map Center: 81.3033°W 32.16408°N

# Legend

 Compartments



## Effingham County

### Location Map



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ACCREDITED LAND CONSULTANT  
912-678-5920  
GH.LAND.COM

# 2024



1 inch equals 2,447 feet

BRYAN, GA EFFINGHAMMap Center: 81.40138°W 32.15567°N

Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2


Bryan County, Georgia | Effingham County, Georgia

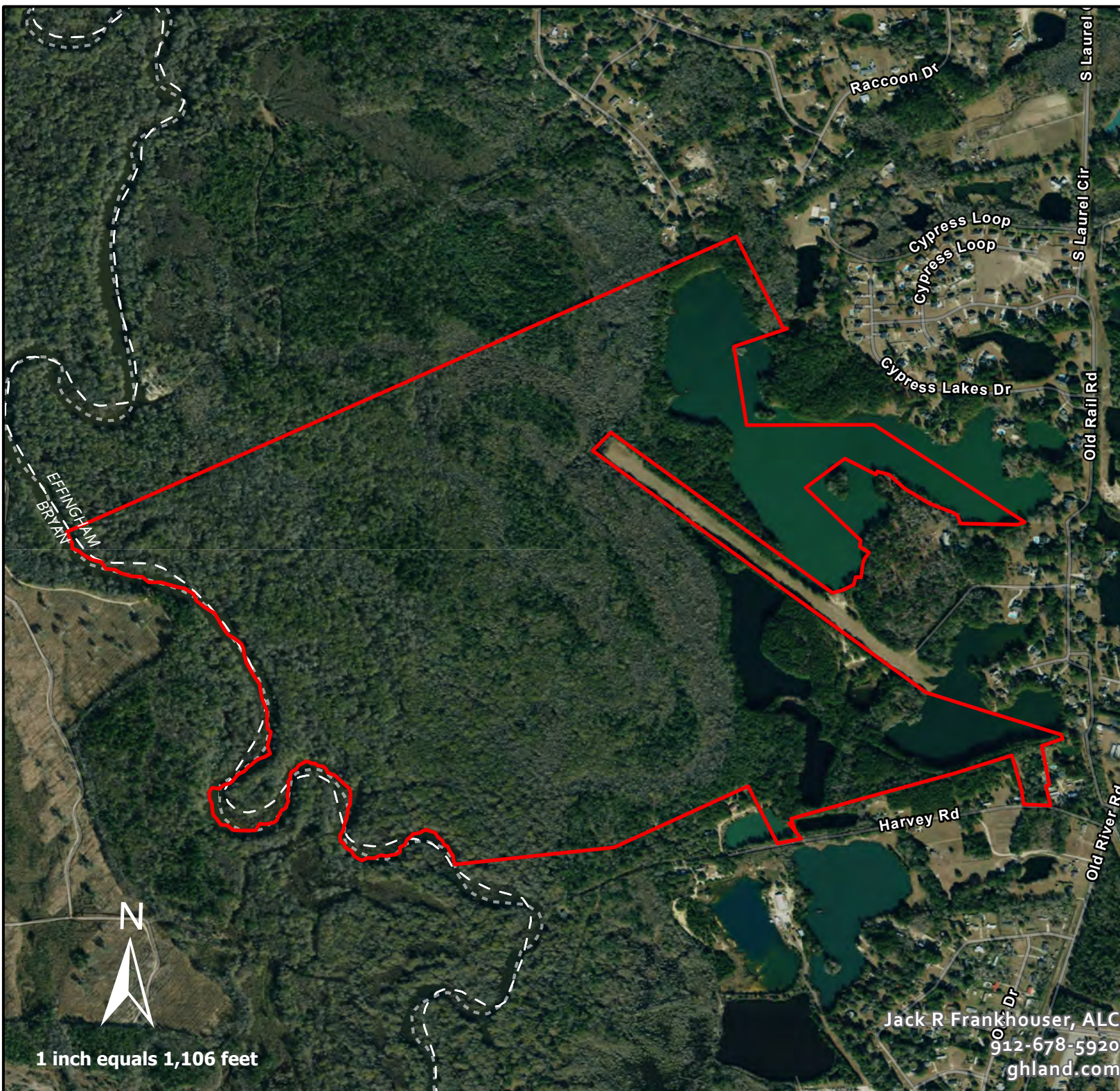
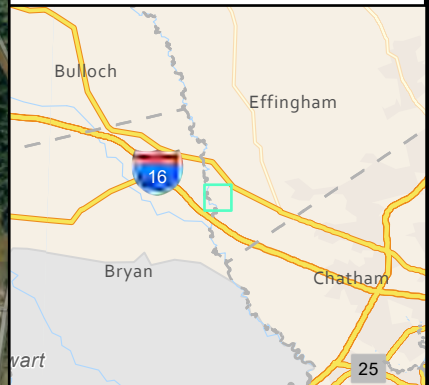
Map Center: 81.40094°W  
32.15809°N

Legend

-  Compartments
-  Ogeechee Refuge

Stand Nomenclature

Description	 <p>01   N B MP / H - 95</p>	Stand Origin Codes
Acres		P = Planted N = Natural
Management Block		Land Type Codes
Stand Origin		B = Bottomland L = Lowland
Land Type		U = Upland OF = Old Field
Dominant Species		S = Slope
Secondary Species		
Year of Origin		



1 inch equals 1,106 feet

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ghland.com


Parcel	County	Acres
03030021	Effingham County, GA	398.72
03030021B00	Effingham County, GA	5
03030021C00	Effingham County, GA	8.98
03030021D00	Effingham County, GA	9.65
03030023	Effingham County, GA	2

Bryan County, Georgia | Effingham County, Georgia

Map Center: 81.40094°W  
32.15809°N

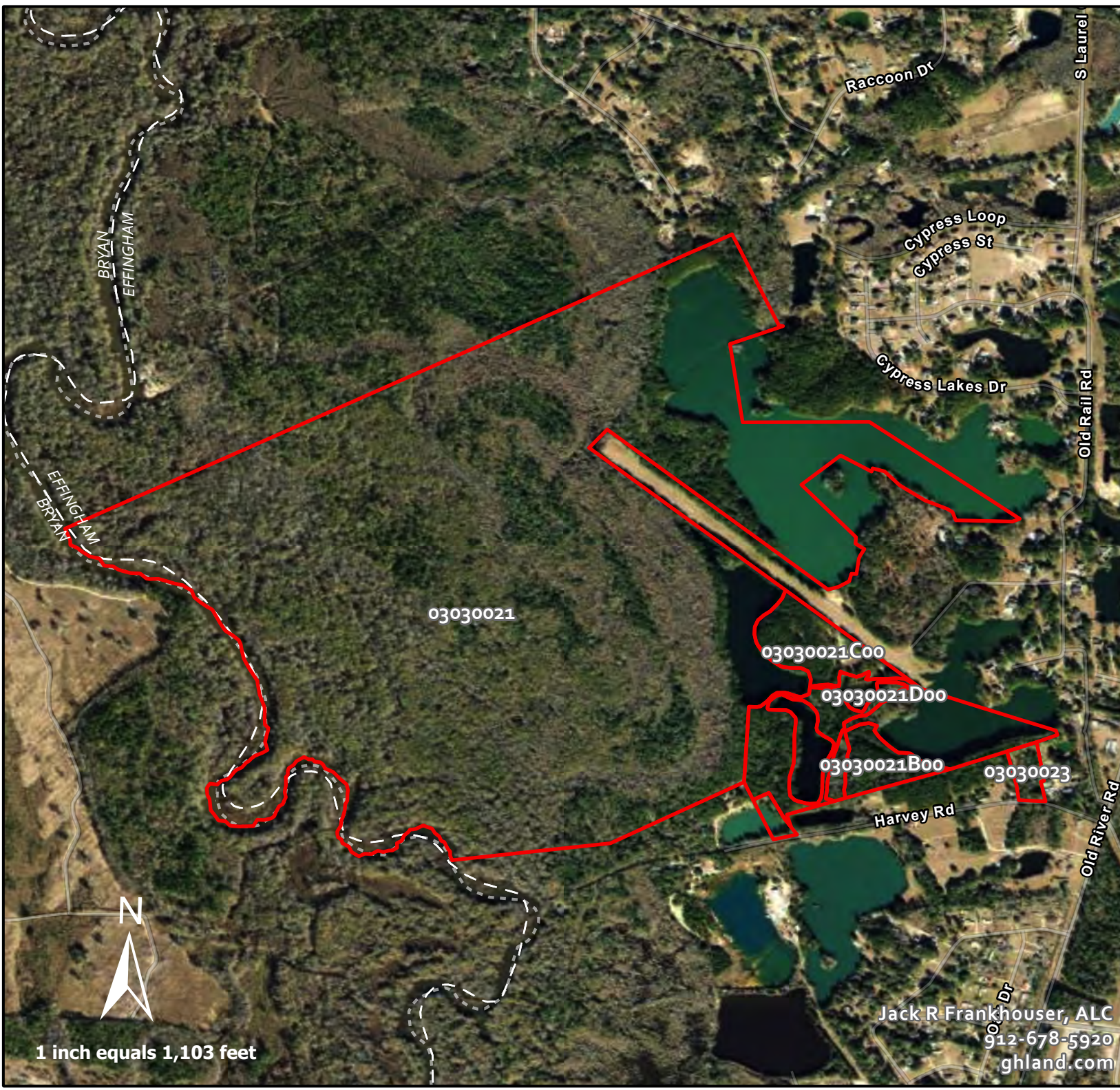
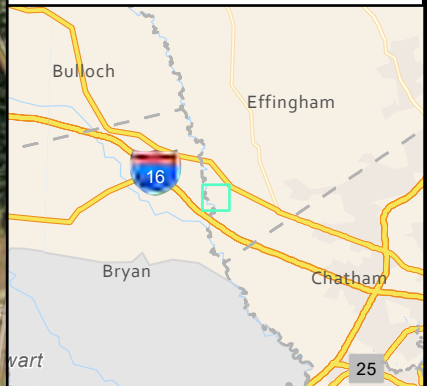
Legend

Compartments

 Compartments

Stand Nomenclature

Description	Acres	Stand Origin Codes
01   N B MP / H - 95		P = Planted N = Natural Land Type Codes B = Bottomland L = Lowland U = Upland OF = Old Field S = Slope
Management Block		
Stand Origin		
Land Type		
Dominant Species		
Secondary Species		
Year of Origin		



1 inch equals 1,103 feet

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# Effingham County 454.35 Acres

Tract Map

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 ACCREDITED LAND CONSULTANT  
 912-678-5920 | GH.LAND.COM

2024

Map Center:  
 81.40094°W 32.15809°N

N



1 inch equals 919 feet



**Stand Description**

**Acres**

HS = Homesite	2.7
LK = Lake	41.6
NBH/ P = Natural Bottomland Hardwood/ Pine	307.5
NULB = Natural Upland Loblolly Pine	35
OP = Open	14.3
PD = Pond	24.3



Parcel	County	Acres
03030021	Effingham County, GA	398.72
03030021B00	Effingham County, GA	5
03030021C00	Effingham County, GA	8.98
03030021D00	Effingham County, GA	9.65
03030023	Effingham County, GA	2

Bryan County, Georgia | Effingham County, Georgia

Map Center: 81.40094°W  
32.15809°N

**Legend**

**Stand Type - Symbology**

**Stand Type**

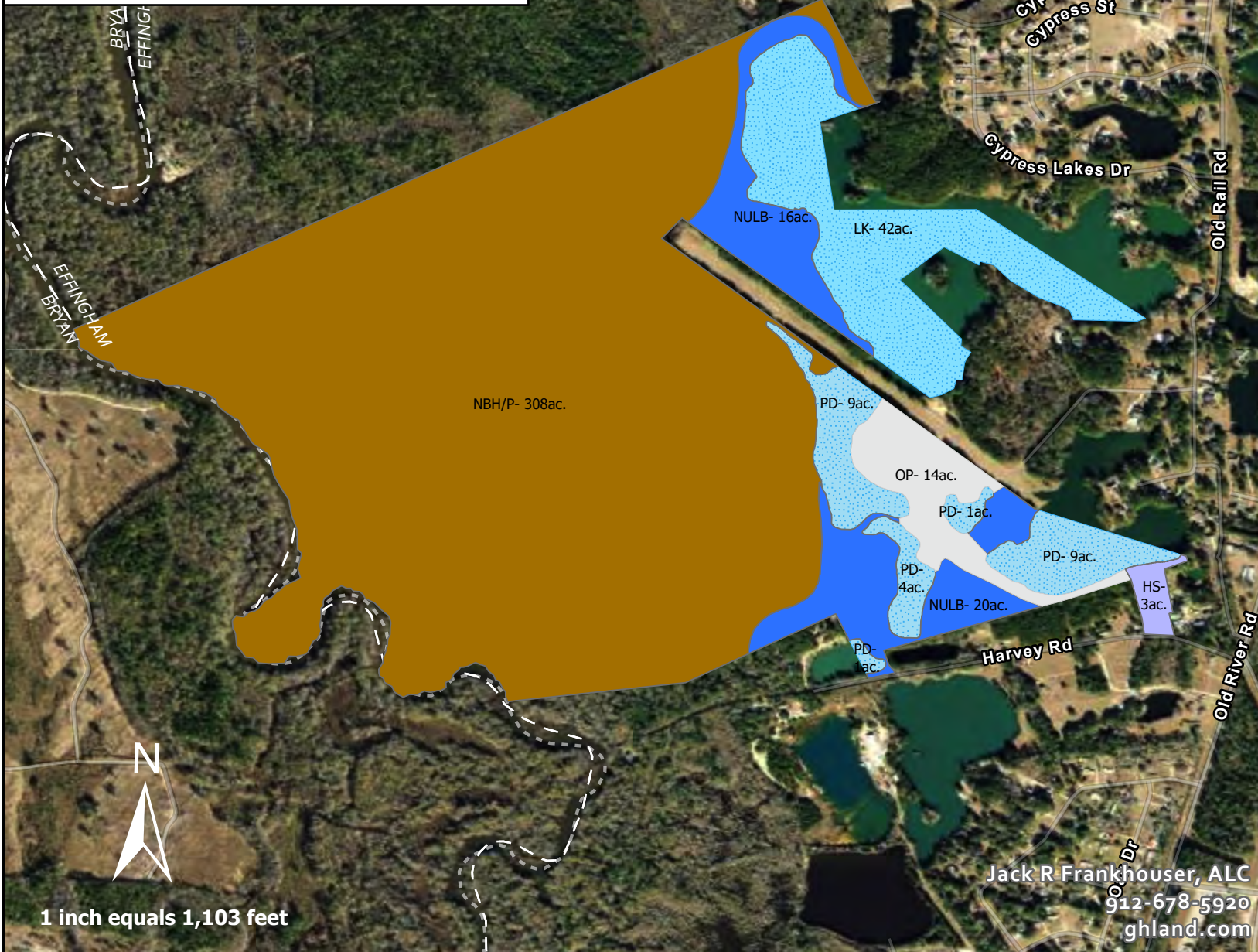
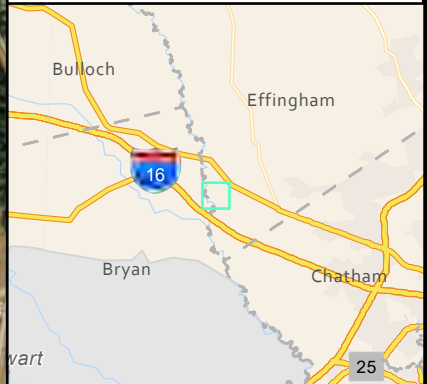
- Homesite
- Open
- Pond
- Merchantable Natural Hardwood
- Merchantable Natural Loblolly Pine
- Lake

**Compartments**

- Compartments

**Stand Nomenclature**

<p>Description</p> <p>Acres</p> <p>Management Block</p> <p>Stand Origin</p> <p>Land Type</p> <p>Dominant Species</p> <p>Secondary Species</p> <p>Year of Origin</p>		<p>Stand Origin Codes</p> <p>P = Planted</p> <p>N = Natural</p> <p>Land Type Codes</p> <p>B = Bottomland</p> <p>L = Lowland</p> <p>U = Upland</p> <p>OF = Old Field</p> <p>S = Slope</p>
---	--	--



Jack R Frankhouser, ALC  
912-678-5920  
ghland.com



**Stand Description**

**Acres**

HS = Homesite	2.7
LK = Lake	41.6
NBH/ P = Natural Bottomland Hardwood/ Pine	307.5
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Parcel	County	Acres
03030021	Effingham County, GA	398.72
03030021B00	Effingham County, GA	5
03030021C00	Effingham County, GA	8.98
03030021D00	Effingham County, GA	9.65
03030023	Effingham County, GA	2

Bryan County, Georgia | Effingham County, Georgia

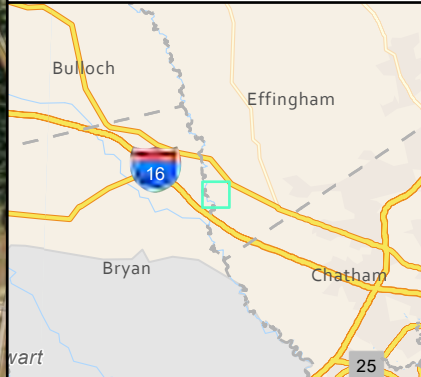
Map Center: 81.40094°W  
32.15809°N

**Legend**

Stand Type - Abr. Name	OP = Open
H = Hardwood	PD = Pond
HS = Homesite	Compartments
LB = Loblolly Pine	Compartments
LK = Lake	

**Stand Nomenclature**

Description	Acres	01   N B MP / H - 95	Stand Origin Codes
Management Block	Stand Origin	Land Type	P = Planted
Dominant Species	Secondary Species	Year of Origin	N = Natural
			B = Bottomland
			L = Lowland
			U = Upland
			OF = Old Field
			S = Slope



1 inch equals 1,103 feet

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Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia

Map Center: 81.40094°W  
32.15809°N

Legend

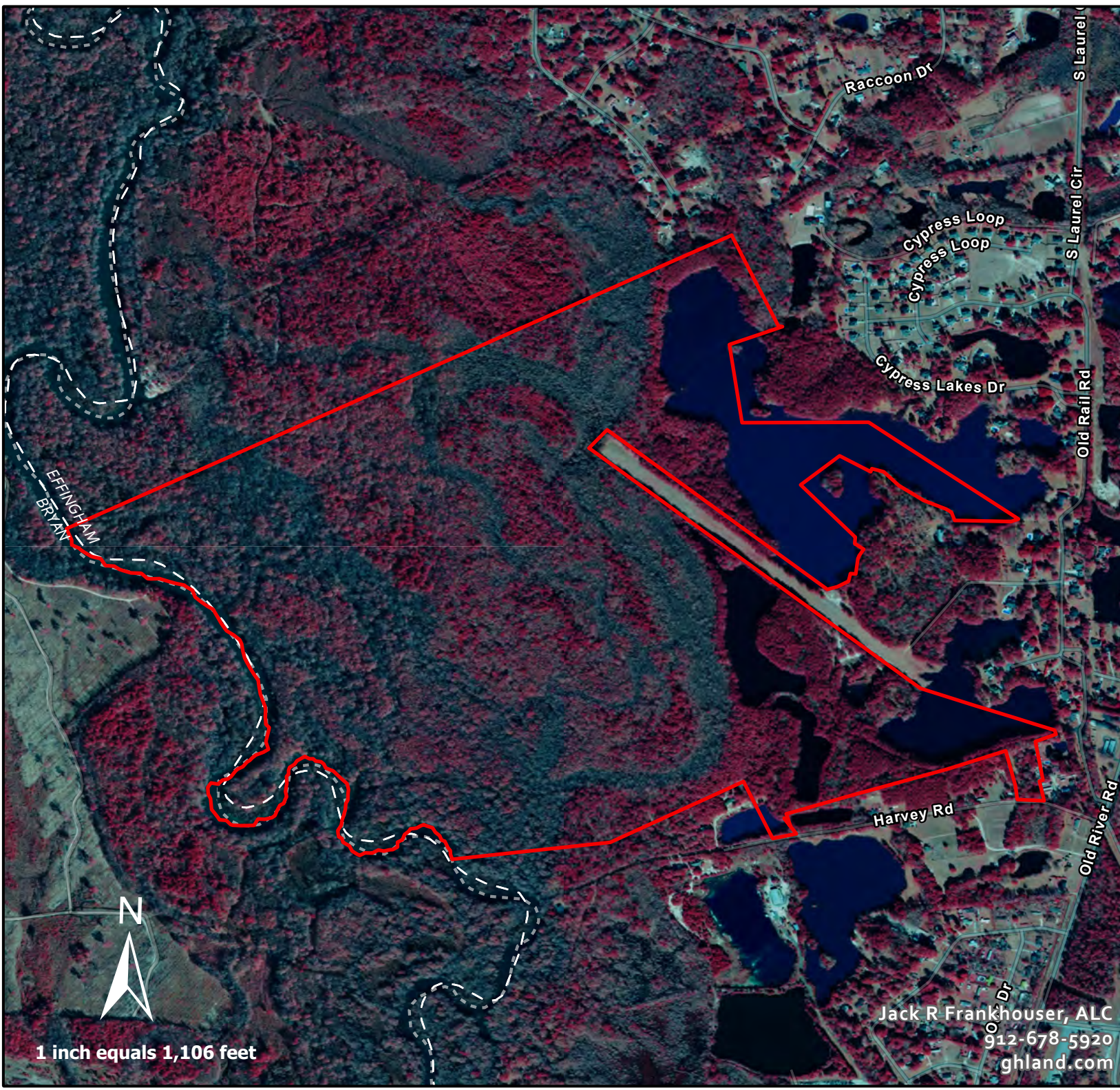
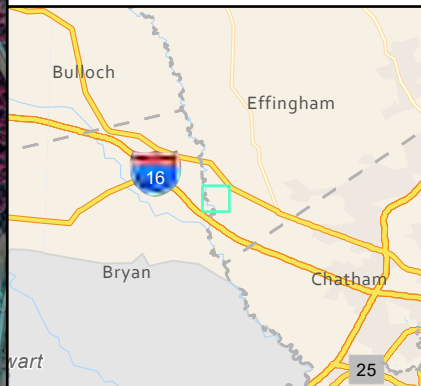
USA NAIP Imagery: Color Infrared

RGB

- Red: NearInfrared
- Green: Red
- Blue: Green
- Compartments
- Ogeechee Refuge

Stand Nomenclature

Description	Acres	01   N B MP / H - 95	Stand Origin Codes
Management Block	Stand Origin		P = Planted
Land Type	Dominant Species		N = Natural
Secondary Species	Year of Origin		B = Bottomland
			L = Lowland
			U = Upland
			OF = Old Field
			S = Slope



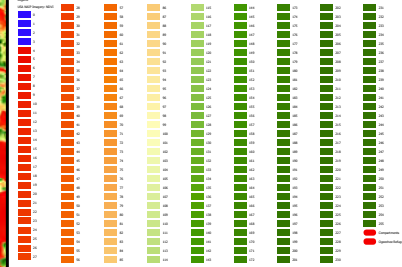
1 inch equals 1,106 feet

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912-678-5920  
ghland.com

Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia

Map Center: 81.40094°W  
32.15809°N



**Stand Nomenclature**

Description Acres: 01 | N B MP / H - 95

Management Block: [ ]

Stand Origin: [ ]

Land Type: [ ]

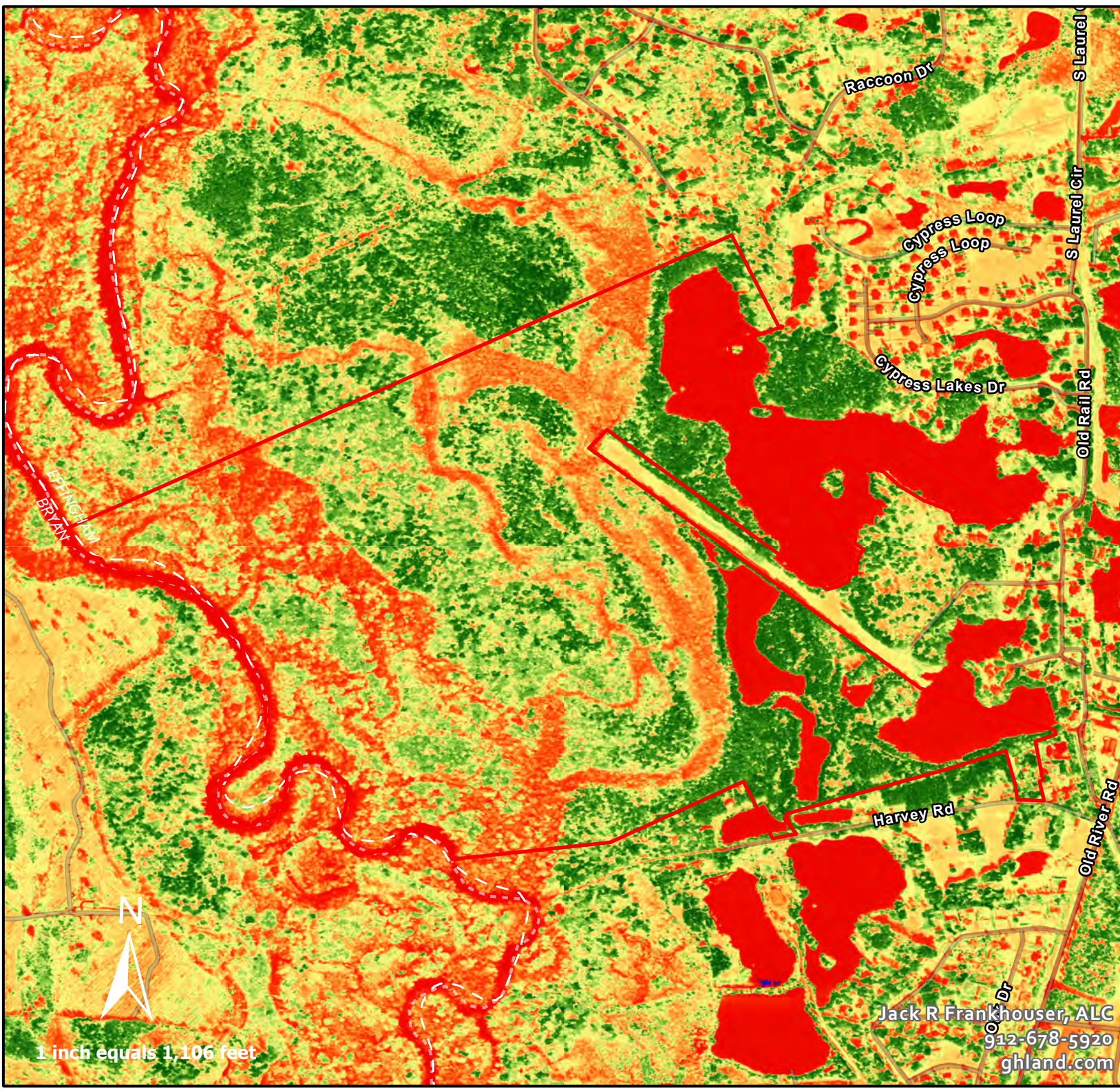
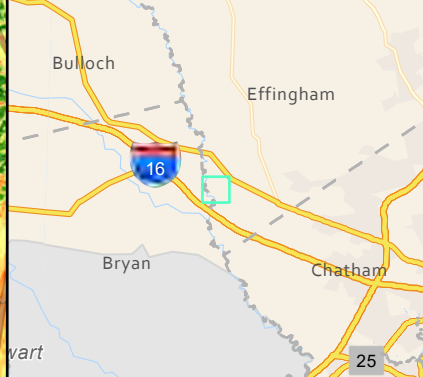
Dominant Species: [ ]

Secondary Species: [ ]

Year of Origin: [ ]

**Stand Origin Codes**  
P = Planted  
N = Natural

**Land Type Codes**  
B = Bottomland  
L = Lowland  
U = Upland  
OF = Old Field  
S = Slope



1 inch equals 1,106 feet

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ghland.com

Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia

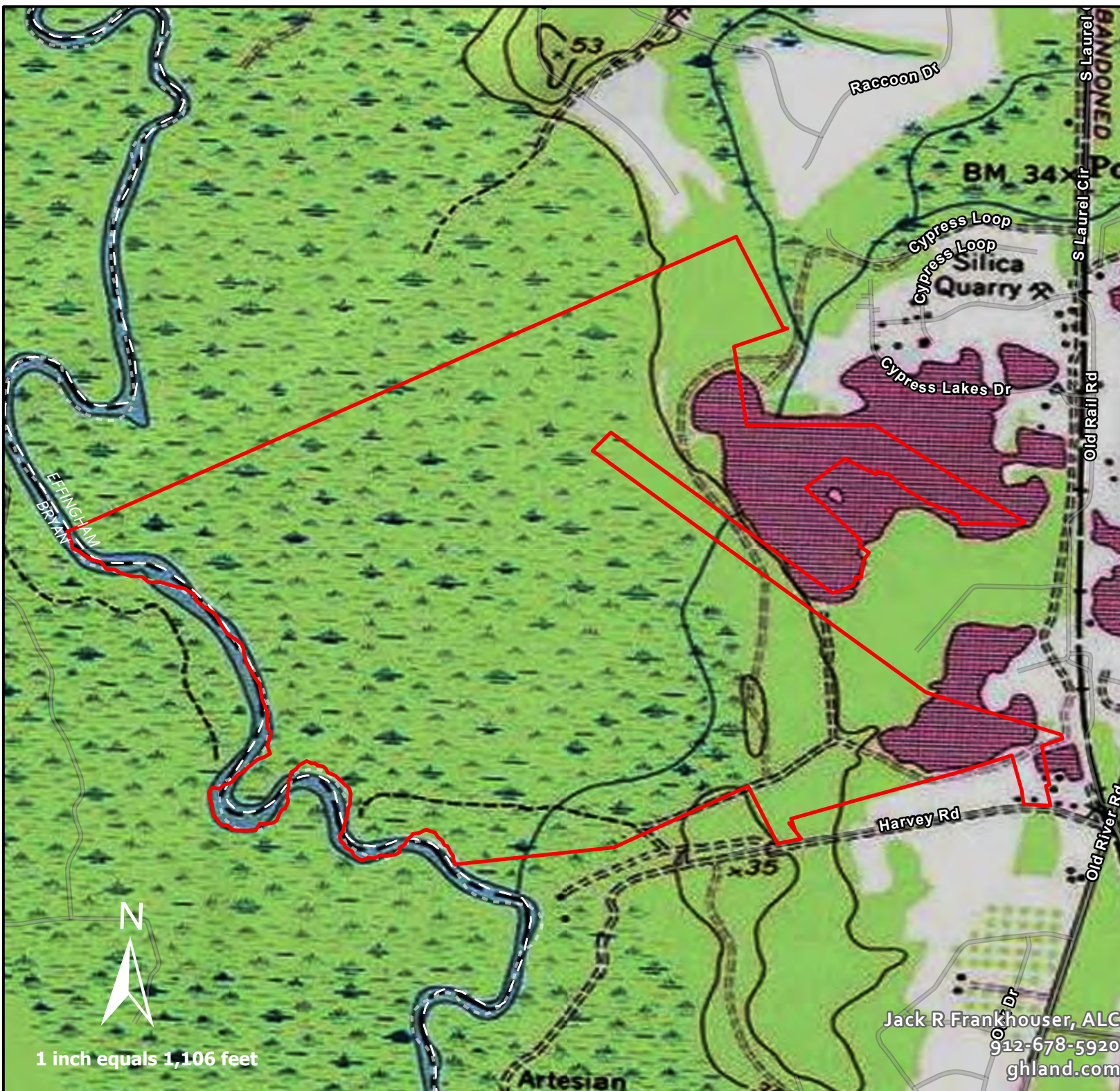
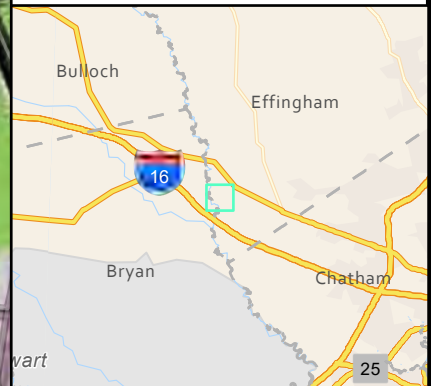
Map Center: 81.40094°W  
32.15809°N

Legend

-  Compartments
-  Ogeechee Refuge

Stand Nomenclature

Description	Acres	01   N B MP / H - 95	Stand Origin Codes
Management Block	Stand Origin		P = Planted
Land Type	Dominant Species		N = Natural
Secondary Species	Year of Origin		B = Bottomland
			L = Lowland
			U = Upland
			OF = Old Field
			S = Slope



1 inch equals 1,106 feet

Jack R Frankhouser, ALC  
912-678-5920  
ghland.com

Parcel	County	Acres
03030021	Effingham County, GA	398.72
03030021B00	Effingham County, GA	5
03030021C00	Effingham County, GA	8.98
03030021D00	Effingham County, GA	9.65
03030023	Effingham County, GA	2

Bryan County, Georgia | Effingham County, Georgia


Map Center: 81.40442°W  
32.1573°N

**Legend**


Contours Lines - Large Scale

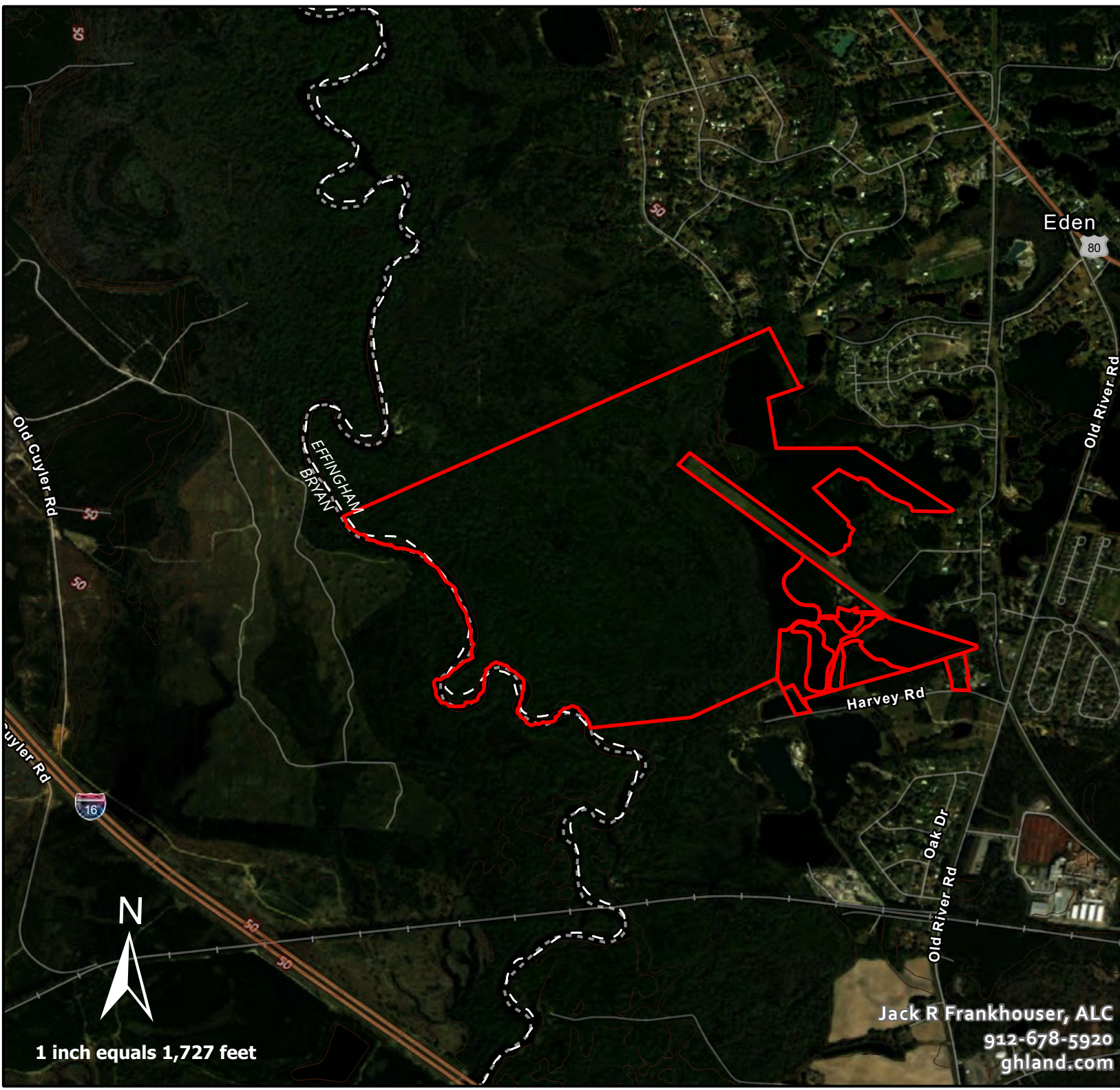
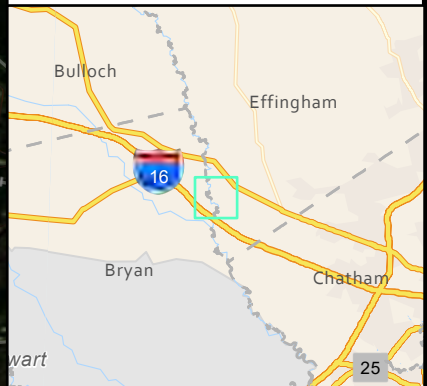
— Contours Lines - Large Scale

Compartments

 Compartments

**Stand Nomenclature**

Description	 01   N B MP / H - 95	Stand Origin Codes
Acres		P = Planted N = Natural
Management Block		Land Type Codes
Stand Origin		B = Bottomland
Land Type		L = Lowland
Dominant Species		U = Upland
Secondary Species		OF = Old Field
Year of Origin		S = Slope



Eden

80

Old River Rd

EFFINGHAM  
BRYAN

Harvey Rd

Oak Dr  
Old River Rd

Old Cuyler Rd

50

50

50

50

16

50

50



1 inch equals 1,727 feet

Jack R Frankouser, ALC  
912-678-5920  
ghland.com

wart

25

Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia

Map Center: 81.40094°W  
32.15809°N

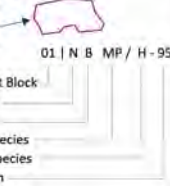
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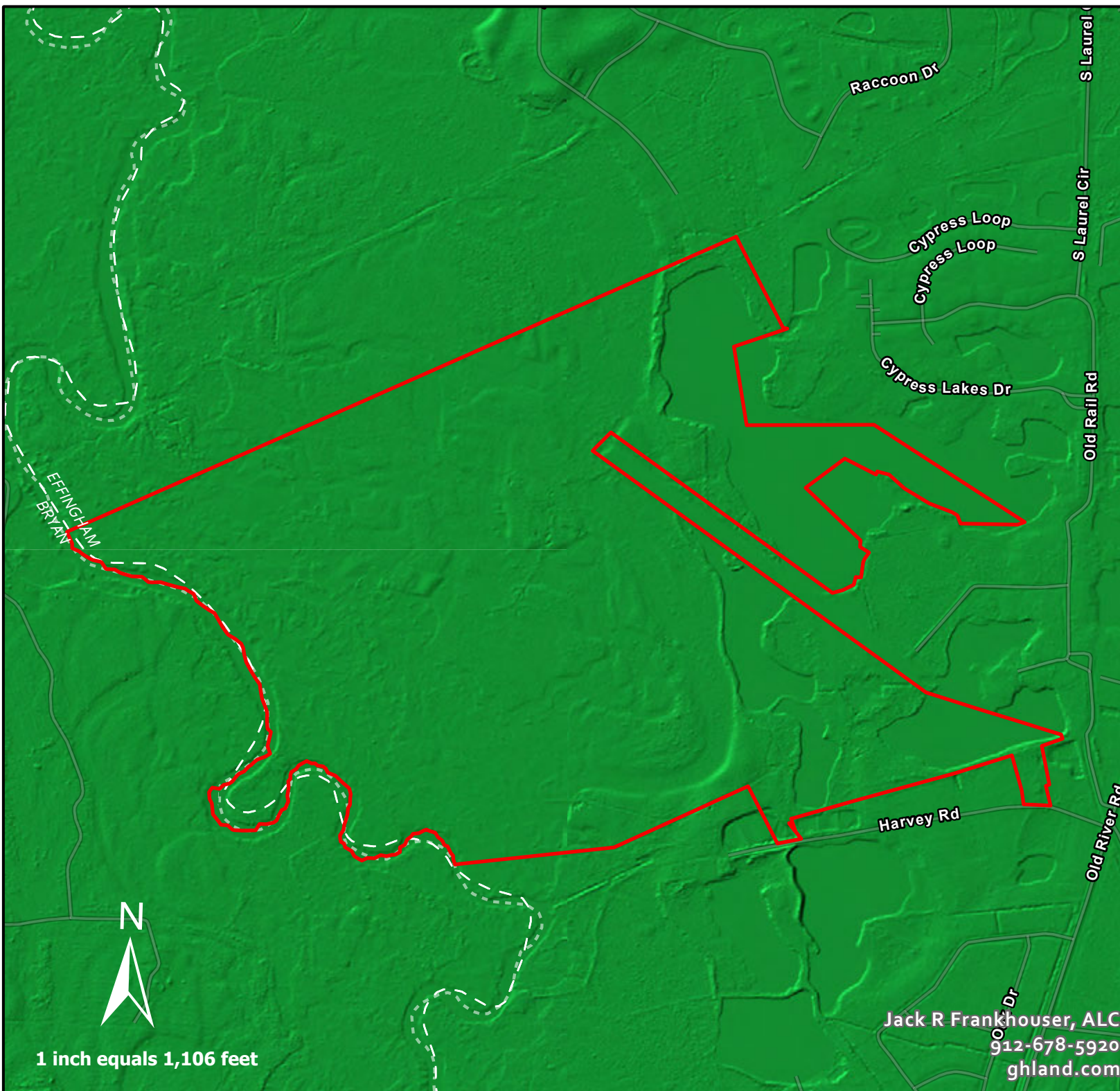
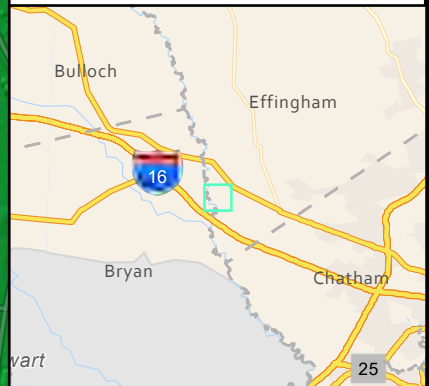
Terrain: Elevation Tinted Hillshade

RGB

- Red: Band\_1
- Green: Band\_2
- Blue: Band\_3
- Compartments
- Ogeechee Refuge

Stand Nomenclature

<p>Description Acres</p> <p>Management Block</p> <p>Stand Origin</p> <p>Land Type</p> <p>Dominant Species</p> <p>Secondary Species</p> <p>Year of Origin</p>	 <p>01   N B MP / H - 95</p>	<p>Stand Origin Codes</p> <p>P = Planted</p> <p>N = Natural</p> <p>Land Type Codes</p> <p>B = Bottomland</p> <p>L = Lowland</p> <p>U = Upland</p> <p>OF = Old Field</p> <p>S = Slope</p>
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ghland.com

1 inch equals 1,106 feet

Parcel	County	Acres
03030021	Effingham County, GA	398.72
03030021B00	Effingham County, GA	5
03030021C00	Effingham County, GA	8.98
03030021D00	Effingham County, GA	9.65
03030023	Effingham County, GA	2

Bryan County, Georgia | Effingham County, Georgia

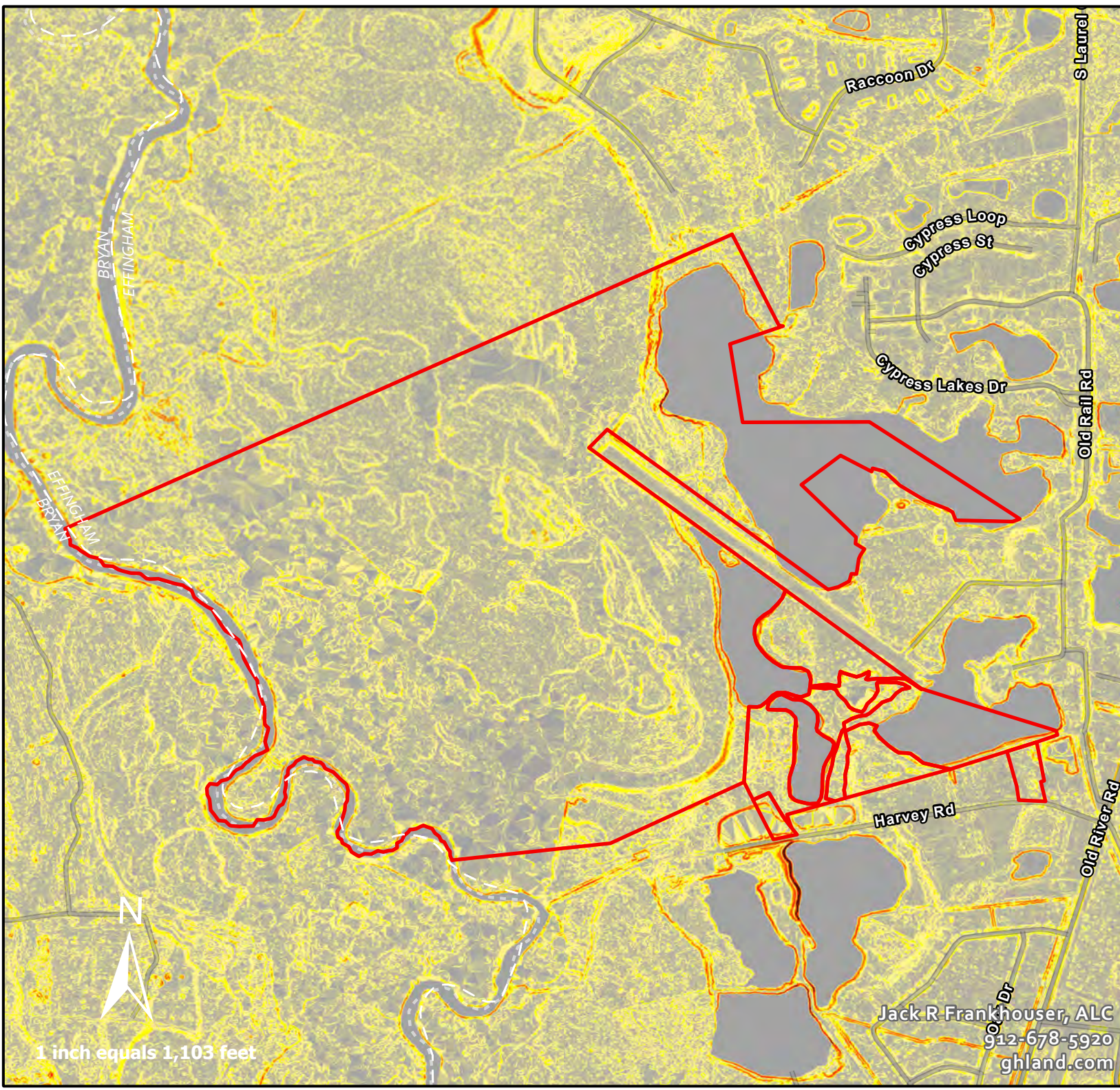
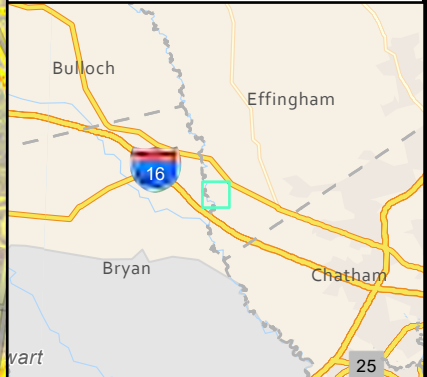
Map Center: 81.40094°W  
32.15809°N

Legend

Terrain: Slope Map	
ClassName	
Flat (0°)	Gently steep (11° - 15°)
Nearly level (1°)	Moderately steep (16° - 20°)
Gently level (2°)	Steep (21° - 30°)
Gently sloping (3° - 5°)	Very steep (31° - 90°)
Strongly sloping (6° - 10°)	Compartments
	Compartments

Stand Nomenclature

Description	Acres	01   N B MP / H - 95	Stand Origin Codes P = Planted N = Natural Land Type Codes B = Bottomland L = Lowland U = Upland OF = Old Field S = Slope
Management Block			
Stand Origin			
Land Type			
Dominant Species			
Secondary Species			
Year of Origin			



1 inch equals 1,103 feet

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912-678-5920  
ghland.com


Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia


Map Center: 81.40094°W  
32.15809°N

Legend

USA\_Flood\_Hazard\_Reduced\_Set

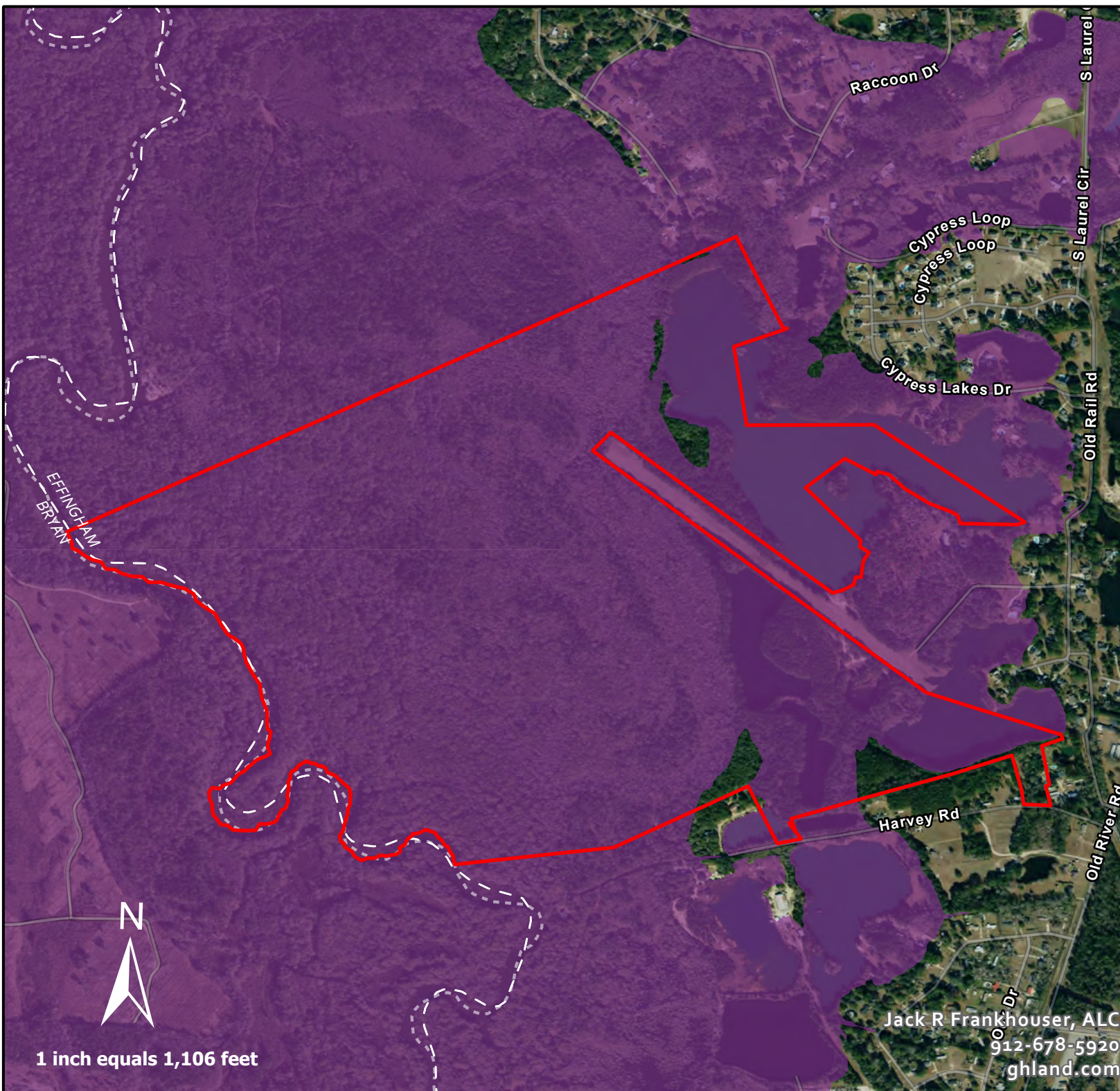
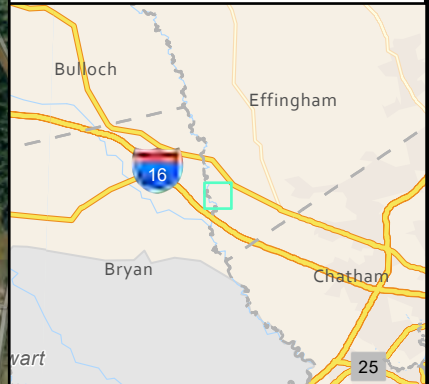
 1% Annual Chance Flood Hazard

 Compartments

 Ogeechee Refuge

Stand Nomenclature

Description	Acres	01   N B MP / H - 95	Stand Origin Codes
Management Block	Stand Origin		P = Planted
Land Type	Dominant Species		N = Natural
Secondary Species	Year of Origin		B = Bottomland
			L = Lowland
			U = Upland
			OF = Old Field
			S = Slope



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912-678-5920  
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1 inch equals 1,106 feet








Parcel	Owner	Acres
03030021		398.72
03030021B00		5
03030021C00		8.98
03030021D00		9.65
03030023		2

Bryan County, Georgia | Effingham County, Georgia

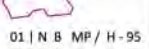
Map Center: 81.40094°W  
32.15809°N

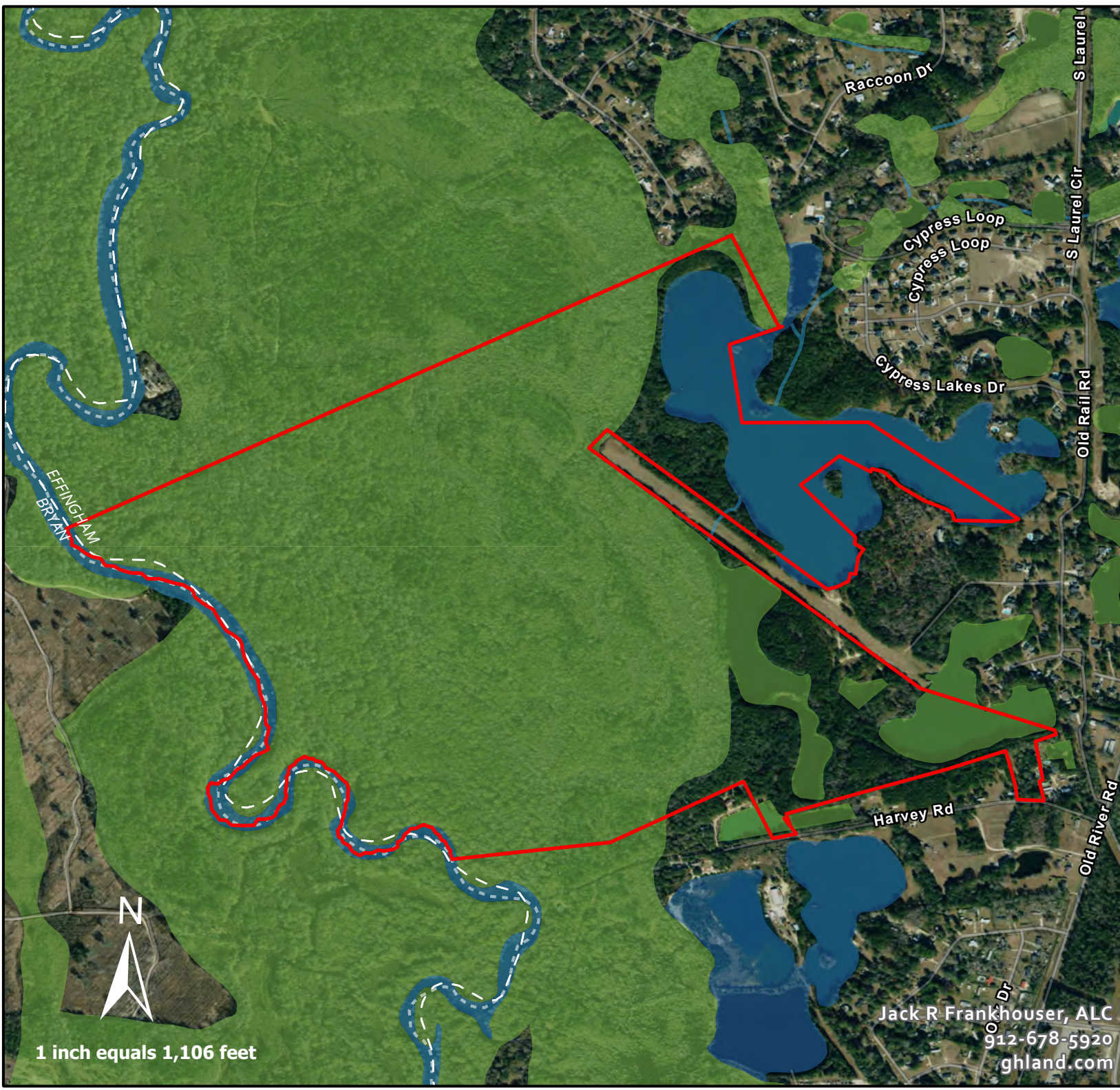
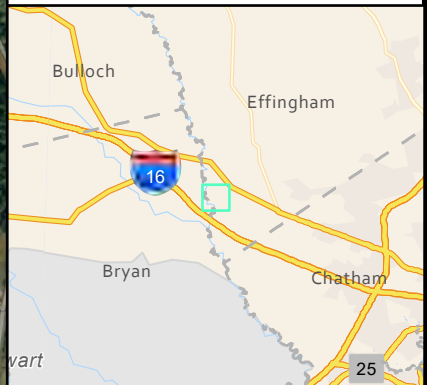
Legend

USA Wetlands

-  Marsh, Swamp, Bog, Prairie
-  River
-  Lake, Reservoir
-  Compartments
-  Ogeechee Refuge

Stand Nomenclature

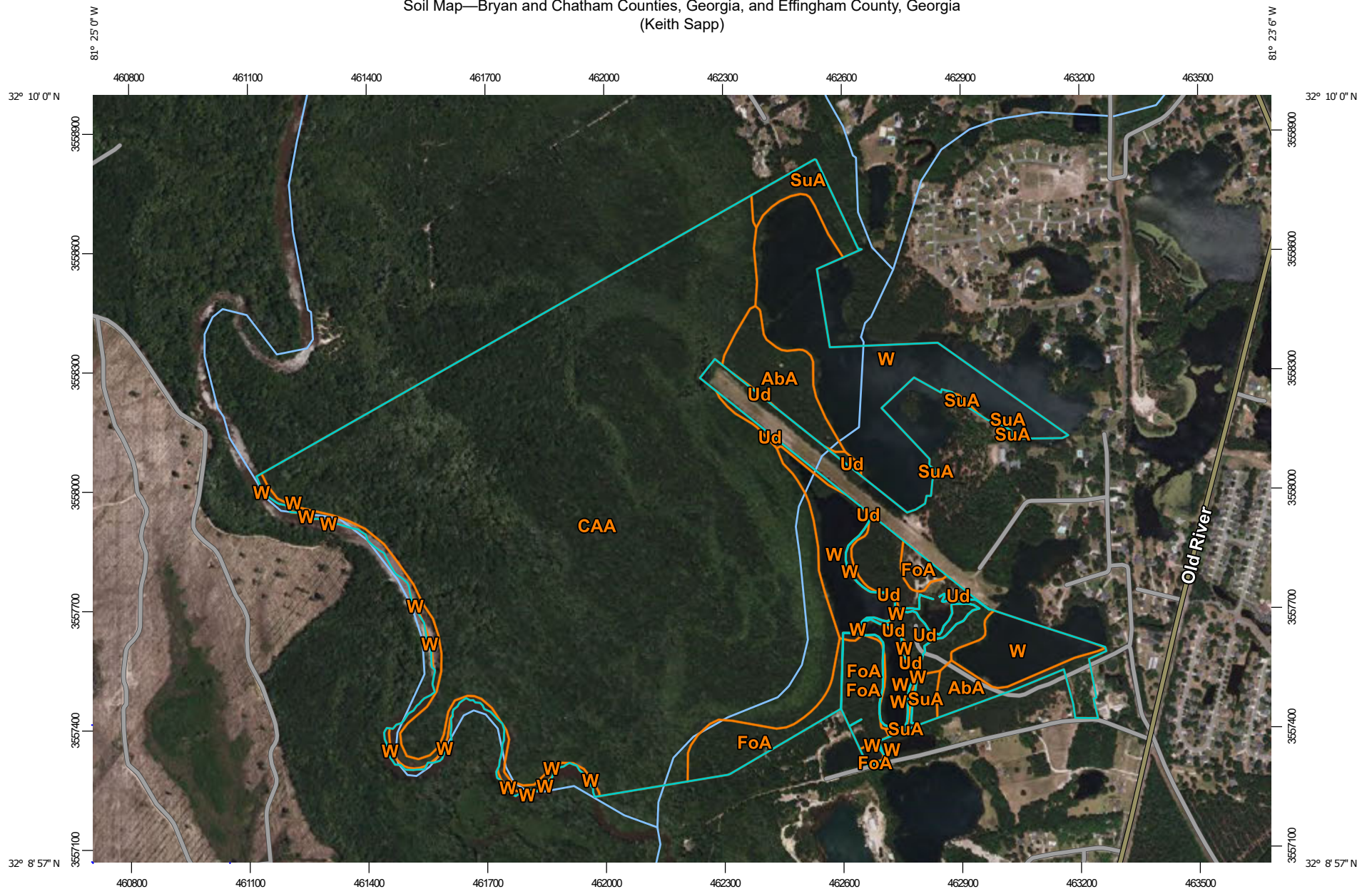
<p>Description</p> <p>Acres</p> <p>Management Block</p> <p>Stand Origin</p> <p>Land Type</p> <p>Dominant Species</p> <p>Secondary Species</p> <p>Year of Origin</p>	 <p>01   N B MP / H - 95</p>	<p>Stand Origin Codes</p> <p>P = Planted</p> <p>N = Natural</p> <p>Land Type Codes</p> <p>B = Bottomland</p> <p>L = Lowland</p> <p>U = Upland</p> <p>OF = Old Field</p> <p>S = Slope</p>
---	---	--



1 inch equals 1,106 feet

Jack R Frankhouser, ALC  
912-678-5920  
ghland.com

Soil Map—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)



Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.



0 200 400 800 1200 Meters

0 500 1000 2000 3000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

6/29/2024  
Page 1 of 3

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Soil Survey Area: Effingham County, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021

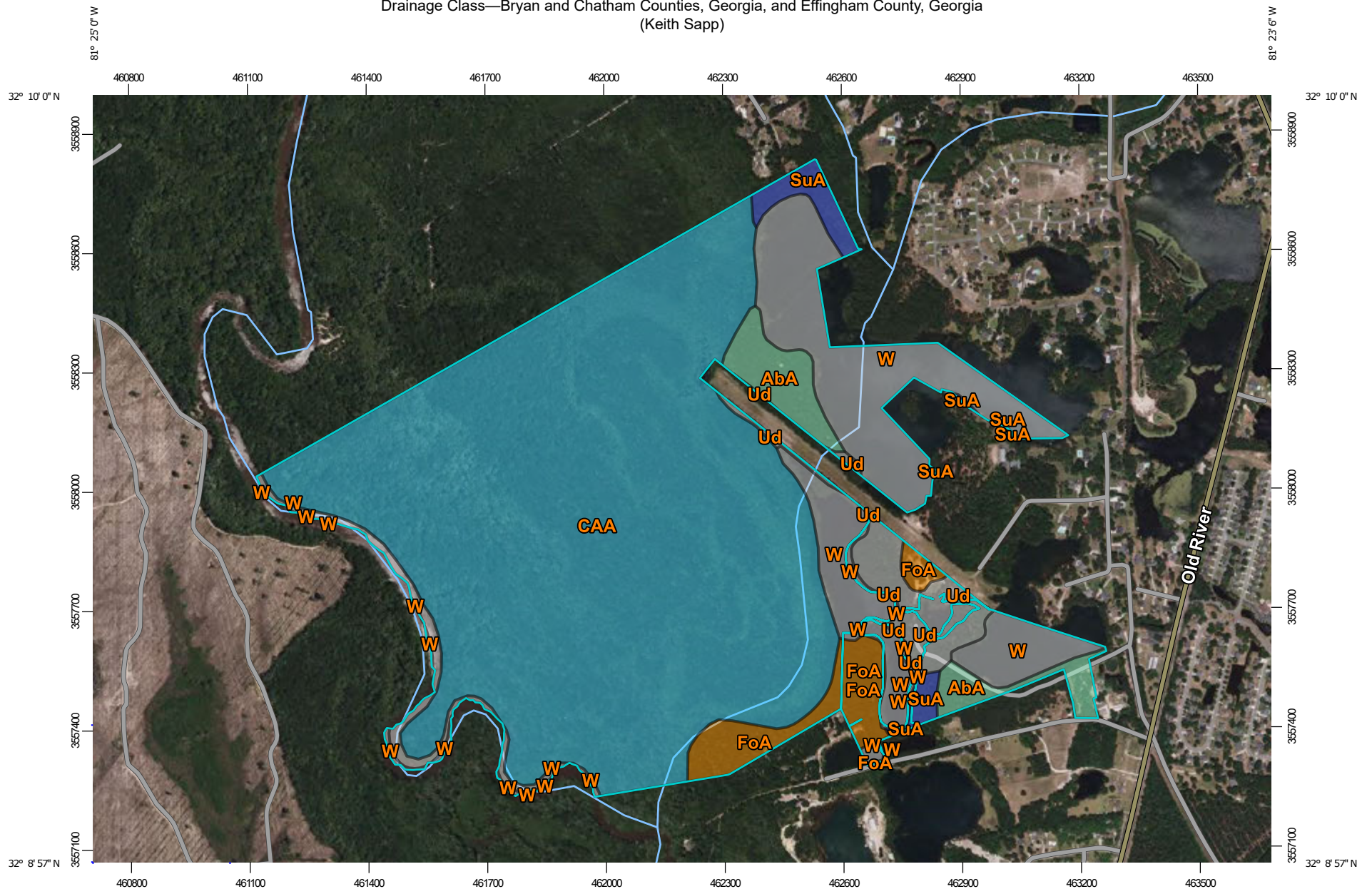
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
W	Water	0.9	0.2%
<b>Subtotals for Soil Survey Area</b>		<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>		<b>425.4</b>	<b>100.0%</b>

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	16.5	3.9%
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded	291.3	68.5%
FoA	Foxworth sand, 0 to 2 percent slopes	16.8	3.9%
SuA	Surrency mucky sand, 0 to 1 percent slopes, frequently flooded	7.6	1.8%
Ud	Udorthents, loamy	15.8	3.7%
W	Water	76.5	18.0%
<b>Subtotals for Soil Survey Area</b>		<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>		<b>425.4</b>	<b>100.0%</b>

Drainage Class—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)



Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84








## MAP LEGEND

### Area of Interest (AOI)










 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available


#### Soil Rating Lines

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available






#### Soil Rating Points

-  Excessively drained
-  Somewhat excessively drained
-  Well drained
-  Moderately well drained
-  Somewhat poorly drained
-  Poorly drained
-  Very poorly drained
-  Subaqueous
-  Not rated or not available


### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
Web Soil Survey URL:  
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia  
Survey Area Data: Version 18, Aug 30, 2023

Soil Survey Area: Effingham County, Georgia  
Survey Area Data: Version 18, Aug 30, 2023

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Drainage Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
W	Water		0.9	0.2%
<b>Subtotals for Soil Survey Area</b>			<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	Somewhat poorly drained	16.5	3.9%
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded	Poorly drained	291.3	68.5%
FoA	Foxworth sand, 0 to 2 percent slopes	Somewhat excessively drained	16.8	3.9%
SuA	Surrency mucky sand, 0 to 1 percent slopes, frequently flooded	Very poorly drained	7.6	1.8%
Ud	Udorthents, loamy		15.8	3.7%
W	Water		76.5	18.0%
<b>Subtotals for Soil Survey Area</b>			<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

## Description

"Drainage class (natural)" refers to the frequency and duration of wet periods under conditions similar to those under which the soil formed. Alterations of the water regime by human activities, either through drainage or irrigation, are not a consideration unless they have significantly changed the morphology of the soil. Seven classes of natural soil drainage are recognized-excessively drained, somewhat excessively drained, well drained, moderately well drained, somewhat poorly drained, poorly drained, and very poorly drained. These classes are defined in the "Soil Survey Manual."

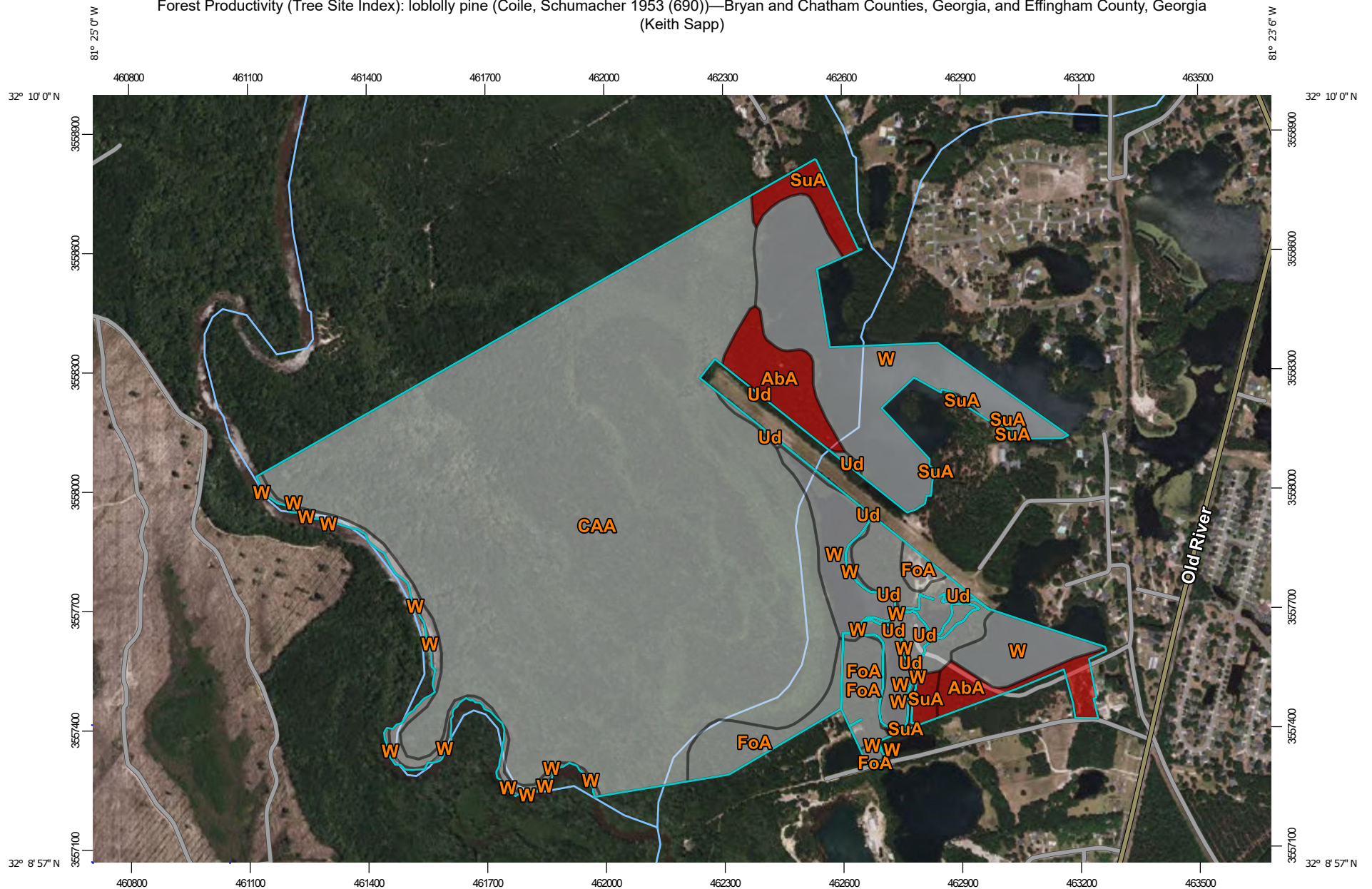
## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia (Keith Sapp)



Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84



## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

#### Soil Rating Polygons

 = 95

 Not rated or not available


#### Soil Rating Lines

 = 95

 Not rated or not available

#### Soil Rating Points

 = 95

 Not rated or not available

### Water Features

 Streams and Canals

### Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

### Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Soil Survey Area: Effingham County, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Forest Productivity (Tree Site Index): loblolly pine (Coile, Schumacher 1953 (690))

Map unit symbol	Map unit name	Rating (feet)	Acres in AOI	Percent of AOI
W	Water		0.9	0.2%
<b>Subtotals for Soil Survey Area</b>			<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

Map unit symbol	Map unit name	Rating (feet)	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	95	16.5	3.9%
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded		291.3	68.5%
FoA	Foxworth sand, 0 to 2 percent slopes		16.8	3.9%
SuA	Surrency mucky sand, 0 to 1 percent slopes, frequently flooded	95	7.6	1.8%
Ud	Udorthents, loamy		15.8	3.7%
W	Water		76.5	18.0%
<b>Subtotals for Soil Survey Area</b>			<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

### Description

The "site index" is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands.

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

### Rating Options

*Units of Measure:* feet

*Tree:* loblolly pine

*Site Index Base:* Coile, Schumacher 1953 (690)

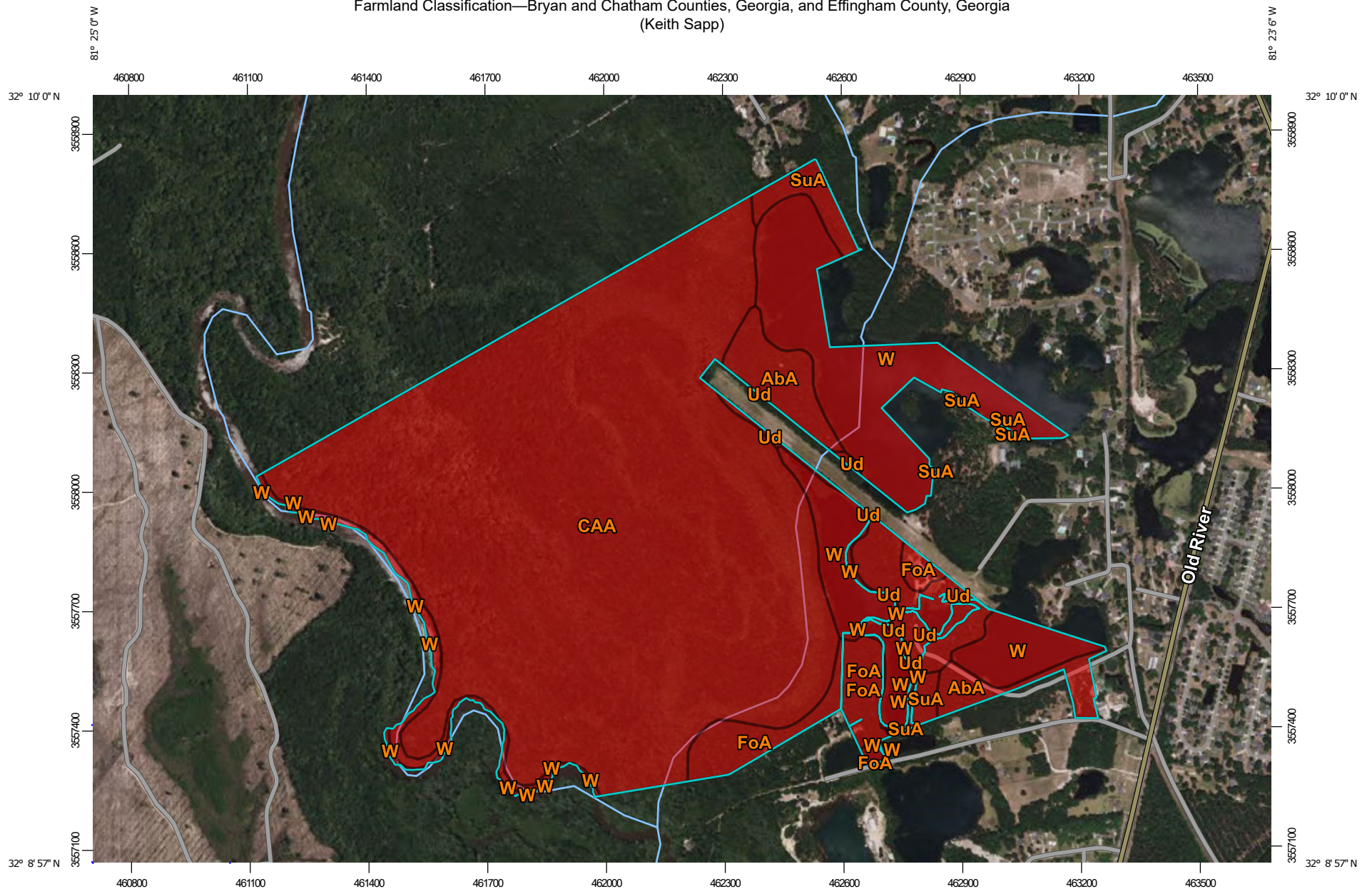
*Aggregation Method:* Dominant Component

*Component Percent Cutoff: None Specified*

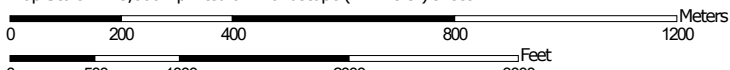
*Tie-break Rule: Higher*

*Interpret Nulls as Zero: No*

Farmland Classification—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)



Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84



Farmland Classification—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)









**MAP LEGEND**








**Area of Interest (AOI)**






 Area of Interest (AOI)








**Soils**



**Soil Rating Polygons**

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

































-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available

**Soil Rating Lines**

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season		<b>Soil Rating Points</b> Not prime farmland		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Prime farmland if drained		Prime farmland if irrigated and reclaimed of excess salts and sodium
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if thawed		Prime farmland if irrigated		Farmland of statewide importance, if drained
	Farmland of statewide importance, if irrigated				Farmland of local importance		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
					Farmland of local importance, if irrigated		Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated

Farmland Classification—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)

<p> Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if irrigated and drained</p> <p> Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer</p> <p> Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60</p>	<p> Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium</p> <p> Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season</p> <p> Farmland of statewide importance, if warm enough</p> <p> Farmland of statewide importance, if thawed</p> <p> Farmland of local importance</p> <p> Farmland of local importance, if irrigated</p>	<p> Farmland of unique importance</p> <p> Not rated or not available</p> <p><b>Water Features</b></p> <p> Streams and Canals</p> <p><b>Transportation</b></p> <p> Rails</p> <p> Interstate Highways</p> <p> US Routes</p> <p> Major Roads</p> <p> Local Roads</p> <p><b>Background</b></p> <p> Aerial Photography</p>	<p>The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.</p> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Bryan and Chatham Counties, Georgia Survey Area Data: Version 18, Aug 30, 2023</p> <p>Soil Survey Area: Effingham County, Georgia Survey Area Data: Version 18, Aug 30, 2023</p> <p>Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p>
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## Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
W	Water	Not prime farmland	0.9	0.2%
<b>Subtotals for Soil Survey Area</b>			<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	Not prime farmland	16.5	3.9%
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded	Not prime farmland	291.3	68.5%
FoA	Foxworth sand, 0 to 2 percent slopes	Not prime farmland	16.8	3.9%
SuA	Surrency mucky sand, 0 to 1 percent slopes, frequently flooded	Not prime farmland	7.6	1.8%
Ud	Udorthents, loamy	Not prime farmland	15.8	3.7%
W	Water	Not prime farmland	76.5	18.0%
<b>Subtotals for Soil Survey Area</b>			<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>			<b>425.4</b>	<b>100.0%</b>

## Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

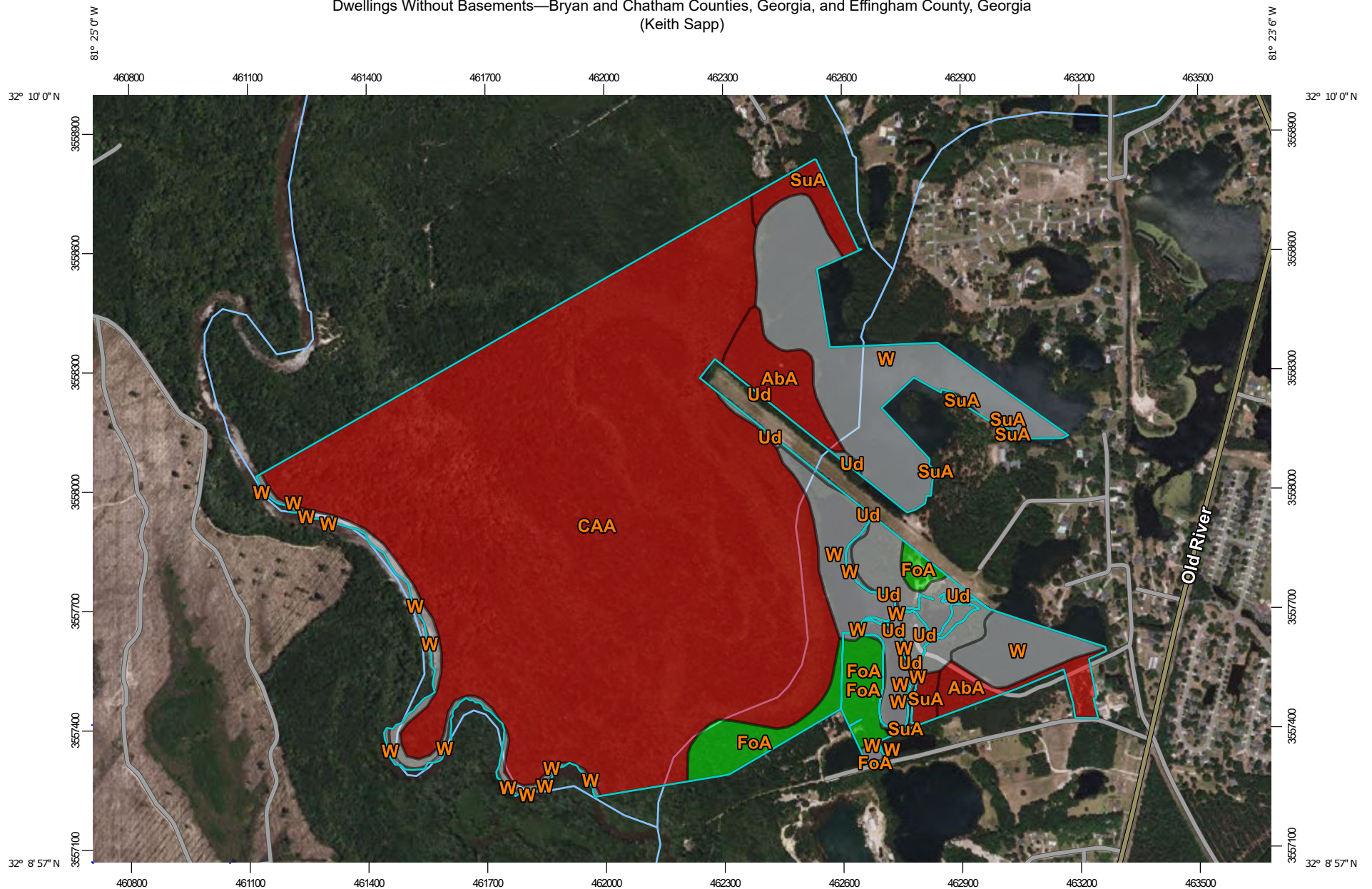
## Rating Options

*Aggregation Method:* No Aggregation Necessary

*Tie-break Rule:* Lower



Dwellings Without Basements—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)



Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.




Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

## MAP LEGEND

### Area of Interest (AOI)





 Area of Interest (AOI)

### Background





 Aerial Photography

### Soils





#### Soil Rating Polygons

-  Very limited
-  Somewhat limited
-  Not limited
-  Not rated or not available


#### Soil Rating Lines

-  Very limited
-  Somewhat limited
-  Not limited
-  Not rated or not available





#### Soil Rating Points

-  Very limited
-  Somewhat limited
-  Not limited
-  Not rated or not available

### Water Features

 Streams and Canals

### Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Soil Survey Area: Effingham County, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Dwellings Without Basements

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
W	Water	Not rated	Water (100%)		0.9	0.2%
<b>Subtotals for Soil Survey Area</b>					<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>					<b>425.4</b>	<b>100.0%</b>

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	Very limited	Albany (90%)	Depth to saturated zone (1.00)	16.5	3.9%
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded	Very limited	Chastain (60%)	Flooding (1.00)	291.3	68.5%
				Depth to saturated zone (1.00)		
			Tawcaw (30%)	Shrink-swell (0.50)		
				Flooding (1.00)		
				Depth to saturated zone (0.98)		
				Shrink-swell (0.50)		
FoA	Foxworth sand, 0 to 2 percent slopes	Not limited	Foxworth (90%)		16.8	3.9%
SuA	Surrency mucky sand, 0 to 1 percent slopes, frequently flooded	Very limited	Surrency (85%)	Ponding (1.00)	7.6	1.8%
				Flooding (1.00)		
				Depth to saturated zone (1.00)		
Ud	Udorthents, loamy	Not rated	Udorthents (100%)		15.8	3.7%
W	Water	Not rated	Water (100%)		76.5	18.0%
<b>Subtotals for Soil Survey Area</b>					<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>					<b>425.4</b>	<b>100.0%</b>

Rating	Acres in AOI	Percent of AOI
Very limited	315.4	74.1%
Not limited	16.8	3.9%

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<b>Rating</b>	<b>Acres in AOI</b>	<b>Percent of AOI</b>
Null or Not Rated	93.2	21.9%
<b>Totals for Area of Interest</b>	<b>425.4</b>	<b>100.0%</b>

## Description

### ENG - Engineering

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to

validate these interpretations and to confirm the identity of the soil on a given site.

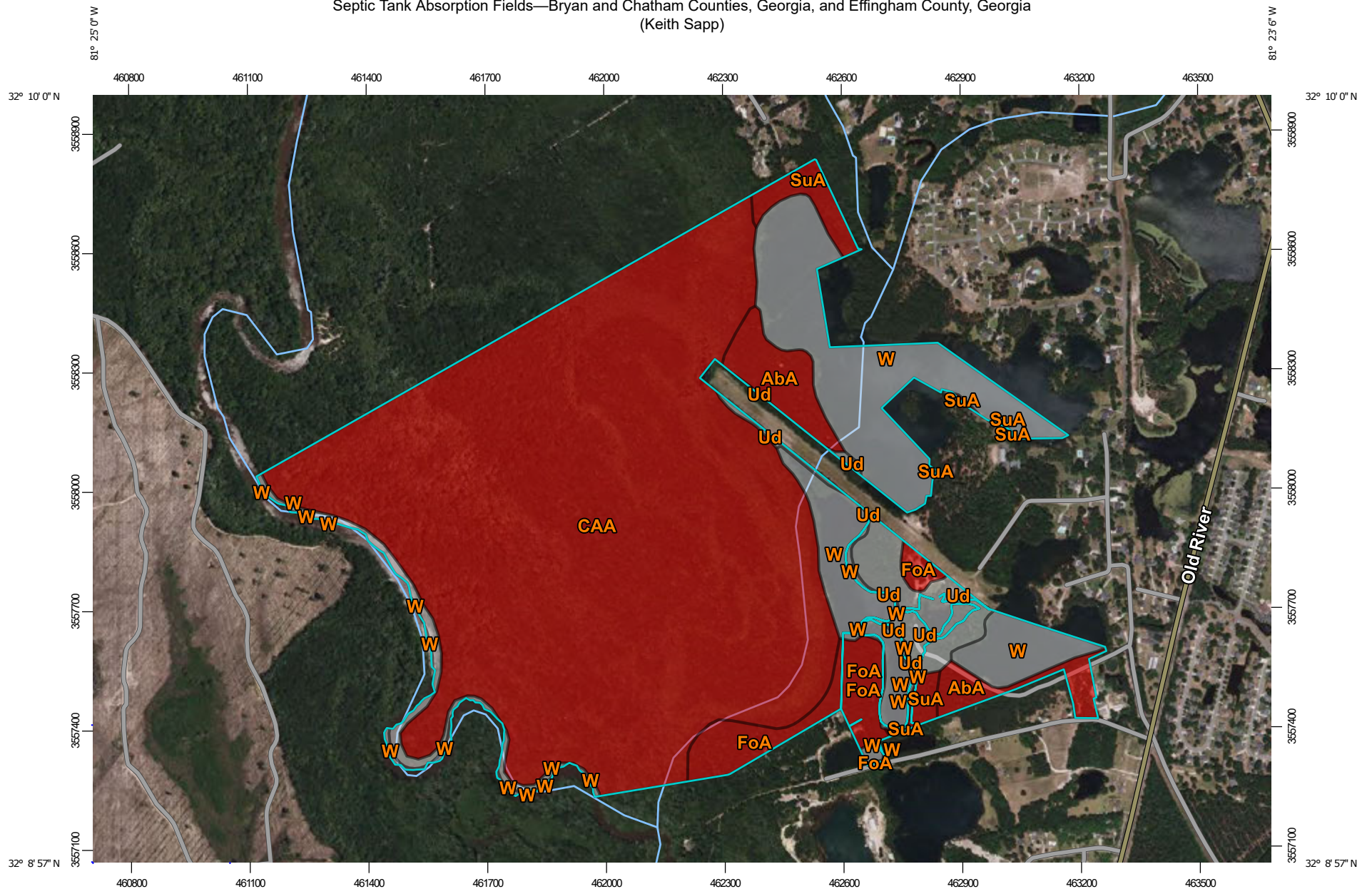
## Rating Options

*Aggregation Method:* Dominant Condition

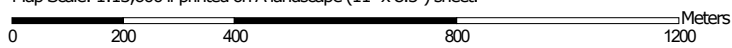
*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher

Septic Tank Absorption Fields—Bryan and Chatham Counties, Georgia, and Effingham County, Georgia  
(Keith Sapp)



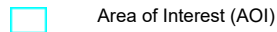
Map Scale: 1:13,600 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

## MAP LEGEND

### Area of Interest (AOI)



Area of Interest (AOI)

### Background



Aerial Photography

### Soils

#### Soil Rating Polygons



Very limited



Somewhat limited



Not limited



Not rated or not available

#### Soil Rating Lines



Very limited



Somewhat limited



Not limited



Not rated or not available

#### Soil Rating Points



Very limited



Somewhat limited



Not limited



Not rated or not available

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bryan and Chatham Counties, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Soil Survey Area: Effingham County, Georgia

Survey Area Data: Version 18, Aug 30, 2023

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 23, 2021—May 7, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



## Septic Tank Absorption Fields

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
W	Water	Not rated	Water (100%)		0.9	0.2%
<b>Subtotals for Soil Survey Area</b>					<b>0.9</b>	<b>0.2%</b>
<b>Totals for Area of Interest</b>					<b>425.4</b>	<b>100.0%</b>

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
AbA	Albany sand, 0 to 2 percent slopes	Very limited	Albany (90%)	Depth to saturated zone (1.00)	16.5	3.9%
				Slow water movement (0.68)		
CAA	Chastain and Tawcaw soils, 0 to 2 percent slopes, frequently flooded	Very limited	Chastain (60%)	Flooding (1.00)	291.3	68.5%
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Seepage, bottom layer (1.00)		
			Tawcaw (30%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
				Seepage, bottom layer (1.00)		
FoA	Foxworth sand, 0 to 2 percent slopes	Very limited	Foxworth (90%)	Seepage, bottom layer (1.00)	16.8	3.9%
				Filtering capacity (1.00)		
				Depth to saturated zone (1.00)		
SuA	Surrency mucky sand, 0 to 1 percent slopes,	Very limited	Surrency (85%)	Flooding (1.00)	7.6	1.8%
				Ponding (1.00)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
	frequently flooded			Depth to saturated zone (1.00)		
				Slow water movement (1.00)		
Ud	Udorthents, loamy	Not rated	Udorthents (100%)		15.8	3.7%
W	Water	Not rated	Water (100%)		76.5	18.0%
<b>Subtotals for Soil Survey Area</b>					<b>424.5</b>	<b>99.8%</b>
<b>Totals for Area of Interest</b>					<b>425.4</b>	<b>100.0%</b>

Rating	Acres in AOI	Percent of AOI
Very limited	332.2	78.1%
Null or Not Rated	93.2	21.9%
<b>Totals for Area of Interest</b>	<b>425.4</b>	<b>100.0%</b>

## Description

### ENG - Engineering

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to

validate these interpretations and to confirm the identity of the soil on a given site.

## Rating Options

*Aggregation Method:* Dominant Condition

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Higher