Nutri Blend
BIOSOLIDS LAND APPLICATION

MAP LEGEND

Buffer Area


Property Line (100ft Buffer)

North Symbol


Surface Water


Field Boundary

rck
Rock Outcrop (25ft Buffer)


Severe Slope/Erosion

Sink Hole (100ft Buffer)

Intermittent Stream (100ft Buffer)


Occupied Dwelling/Structures/Well (200ft Buffer)

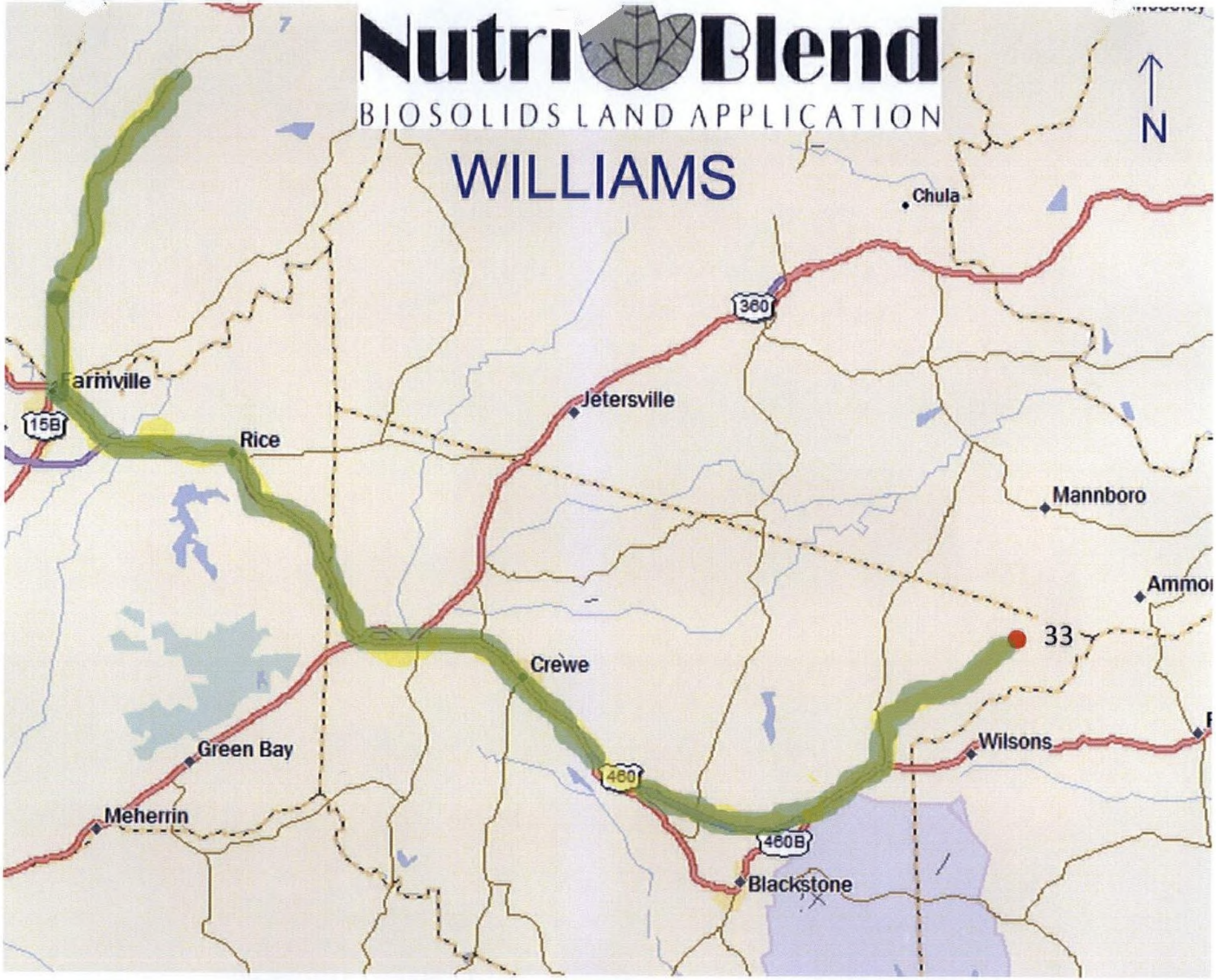
Frequently Flooded Area/Drainage Way/Wet Spot

Public Roadway (10ft Buffer)

Road Map Hauling Route


OSR/Public Access Sites (400ft Buffer)

Public Water Supply/Additional Water Well (100ft Buffer)


Nutri Blend
BIOSOLIDS LAND APPLICATION
WILLIAMS
N
Chula
360
Farmville
15B
Rice
Jetersville
Mannboro
Crewe
33
Green Bay
460
Wilsons
Meherrin
460B
Blackstone


Nutri3 enc
BIOSOLIDS LAND APPLICATION
N
WILLIAMS
T-33
2
5
4
3
1
609
Hawthorne Rd
Yellowbird Rd
Buffer
Field Boundary
Intermittent Stream
Occupied Dwelling/Structure/Well 200 ft. buffer
Public Roadway
Property Line
Surface Water
1588 ft
Google

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

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

A. This land application agreement is made on 10/9/15 between A. LEE WILLIAMS, TRUSTEE DONNA E. BAILEY, TRUSTEE IRBY S. WILLIAMS referred to here as "Landowner", and Nutri-Blend 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 Northumberland, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

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

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
33-77			
33-92			
33-96			

☐ 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

DONNA. E. BAILEY, TRUSTEE — Donna E. Bailey, Trustee — 11920 CARTERS VALLEY TER.
ARCHER LEE WILLIAMS, TRUSTEE — A. Lee Williams, Trustee — CHESTERFIELD, VA 23838
Landowner – Printed Name, Title — Signature — Mailing Address
IRBY S. WILLIAMS — 2529 Hanover Rd Rockville Va 23146

Permittee:
Nutri-Blend 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.

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

Bill Bornett — Bill Burnett — Nutri-Blend, Inc.
PO Box 38060
Permittee – Authorized Representative Printed Name — Signature — Henrico, VA 23231

Rev 9/14/2012

Lee Williams
Contact #: 804-513-1645

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

Permittee: Nutri-Blend **County or City:** Nottoway

Landowner: AIZEE WILLIAMS, TRUSTEE
DONNA E. BAILEY, TRUSTEE
IRBY S. WILLIAMS

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).

Donna E. Bailey, Trustee
Aizee W. Williams, Trustee — 10/9/15

Landowner's Signature — Date

Landowner Coordination Form

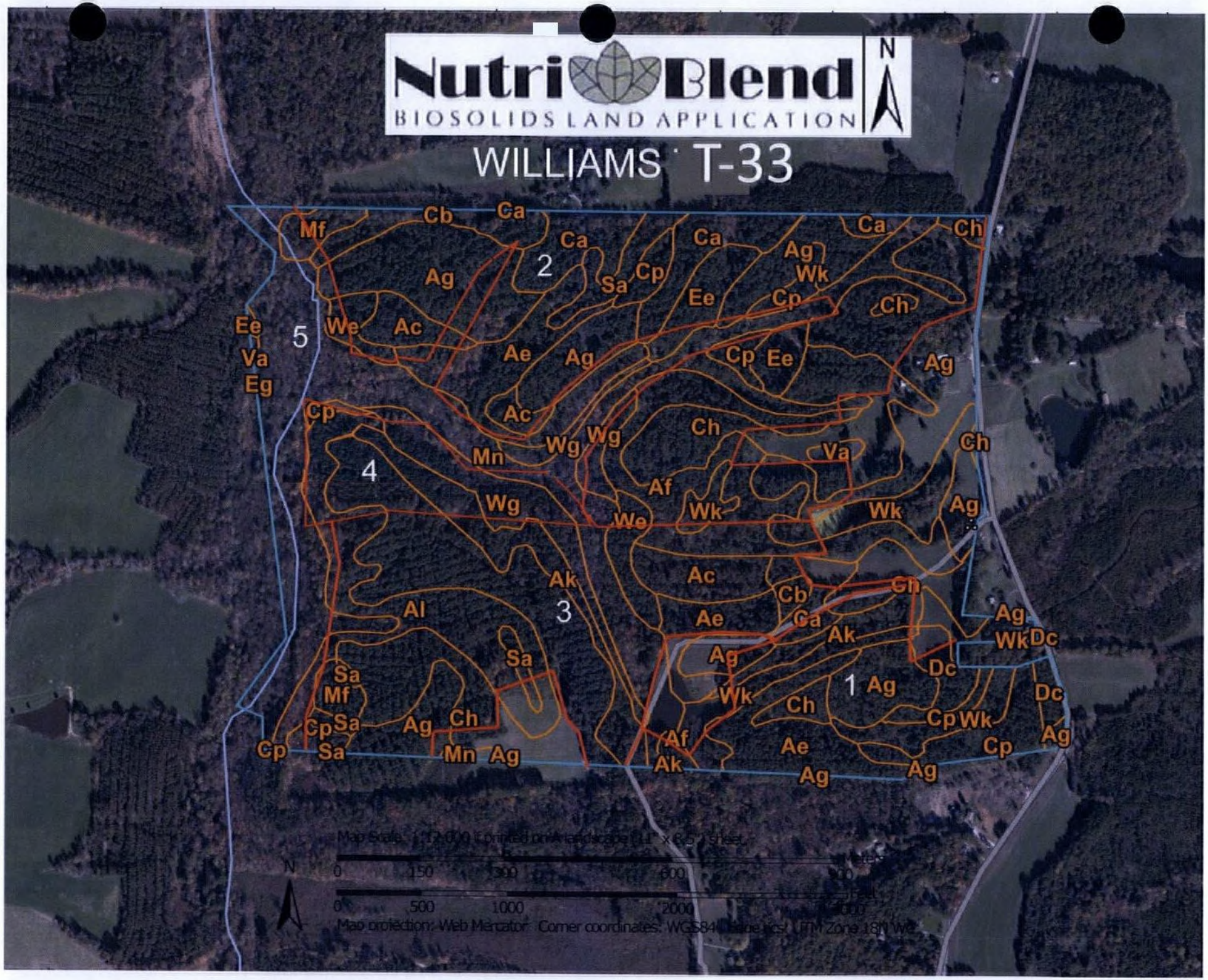
This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A *Land Application Agreement - Biosolids and Industrial Residuals* form with original signature must be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

Permittee: Nutri-Blend, Inc

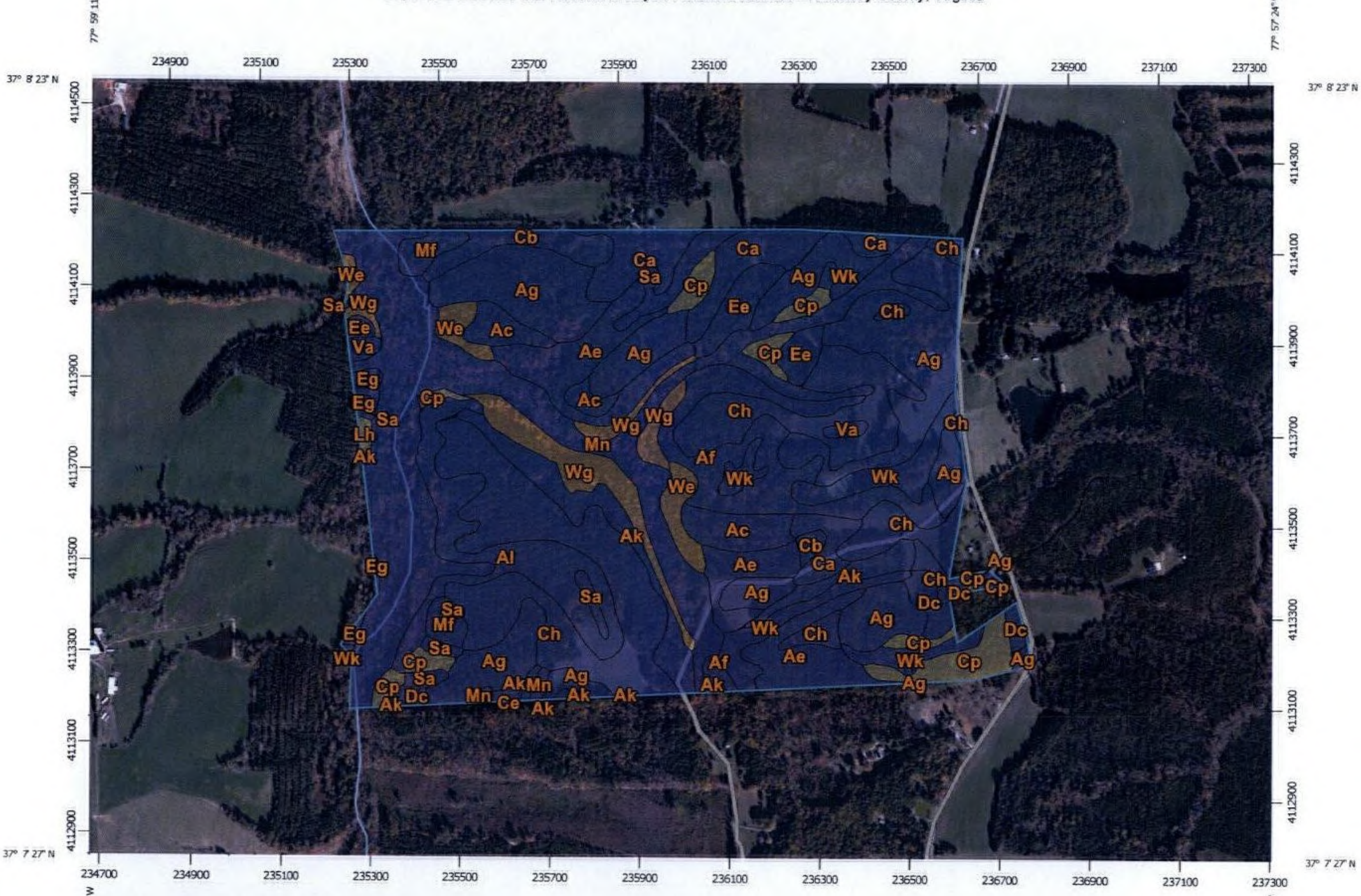
County or City: Nottoway

Please Print (Signatures not required on this page

Tax Parcel ID(s)	Landowner(s)
33-77; 92, 96	Lee Williams + Donna Bailey - Trustee A. Lee Williams + Donna Bailey


Nutri Blend
BIOSOLIDS LAND APPLICATION
N
WILLIAMS T-33
Mf
Cb
Ca
Ca
Ca
Ca
Ch
Ag
Wk
Ag
Sa
Cp
Ee
Cp
Ch
2
Ee
Va
Eg
5
We
Ac
Ae
Ag
Cp
Ee
Ag
Ac
Cp
Wg
Wg
Ch
Ch
Mn
Va
4
Af
Wg
We
Wk
Wk
Ag
Ak
Ac
Cb
Ch
Al
3
Ae
Ca
Ak
Ag
Wk
Dc
Sa
Ag
Dc
Sa
Mf
Wk
1
Ag
Dc
Cp
Sa
Ag
Ch
Ch
Cp
Wk
Ag
Cp
Sa
Mn
Ag
Af
Ae
Cp
Ak
Ag
Ag
Map Scale: 1:2,000 if printed on A landscape (11" x 8.5") sheet.
Meters
0
150
300
600
N
0
500
1000
2000
Map projection: Web Mercator Corner coordinates: WGS84 Universal Transverse Mercator Zone 18N

Depth to a Selected Soil Restrictive Layer: Paralithic bedrock—Nottoway County, Virginia



Map Scale: 1:12,000 if printed on A landscape (11" x 8.5") sheet.

Meters: 0 150 300 600 900

Feet: 0 500 1000 2000 3000

N

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Lines
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Points
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- 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 1:20,000.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
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: Nottoway County, Virginia
Survey Area Data: Version 10, Dec 16, 2013

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

Date(s) aerial images were photographed: Jul 4, 2010—Nov 8, 2010

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.

Depth to a Selected Soil Restrictive Layer: Paralithic bedrock

Depth to a Selected Soil Restrictive Layer: Paralithic bedrock— Summary by Map Unit — Nottoway County, Virginia (VA135)				
Map unit symbol	**Map unit name**	**Rating (centimeters)**	**Acres in AOI**	**Percent of AOI**
Ac	Appling coarse sandy loam, undulating phase	>200	8.8	2.6%
Ae	Appling coarse sandy loam, rolling phase	>200	22.5	6.6%
Af	Appling coarse sandy loam, eroded rolling phase	>200	17.7	5.2%
Ag	Appling fine sandy loam, undulating phase	>200	61.6	18.0%
Ak	Appling fine sandy loam, rolling phase	>200	13.3	3.9%
Al	Appling fine sandy loam, eroded rolling phase	>200	16.7	4.9%
Ca	Cecil clay loam, eroded undulating phase	>200	16.7	4.9%
Cb	Cecil clay loam, eroded rolling phase	>200	5.7	1.7%
Ce	Cecil coarse sandy loam, undulating phase	>200	0.6	0.2%
Ch	Cecil fine sandy loam, undulating phase	>200	53.7	15.6%
Cp	Colfax sandy loam, undulating phase	71	12.4	3.6%
Dc	Durham fine sandy loam, undulating phase	>200	3.6	1.0%
Ee	Enon-Vance-Helena soils, undulating phases	>200	6.7	2.0%
Eg	Enon-Vance-Helena soils, rolling phases	>200	1.3	0.4%
Lh	Louisburg sandy loam, rolling phase	66	0.5	0.2%
Mf	Madison sandy loam, undulating phase	>200	3.9	1.1%
Mn	Mixed alluvial land	>200	58.3	17.0%
Sa	Seneca sandy loam	>200	6.4	1.9%
Va	Vance fine sandy loam, undulating phase	>200	1.5	0.4%
We	Wilkes sandy loam, rolling phase	43	5.4	1.6%

Depth to a Selected Soil Restrictive Layer: Paralithic bedrock— Summary by Map Unit — Nottoway County, Virginia (VA135)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Wg	Wilkes sandy loam, hilly phase	43	11.4	3.3%
Wk	Worsham sandy loam	>200	14.3	4.2%
Totals for Area of Interest			**343.1**	**100.0%**

Description

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

This theme presents the depth to the user selected type of restrictive layer as described in for each map unit. If no restrictive layer is described in a map unit, it is represented by the "> 200" depth class.

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

Rating Options

Units of Measure: centimeters

Restriction Kind: Paralithic bedrock

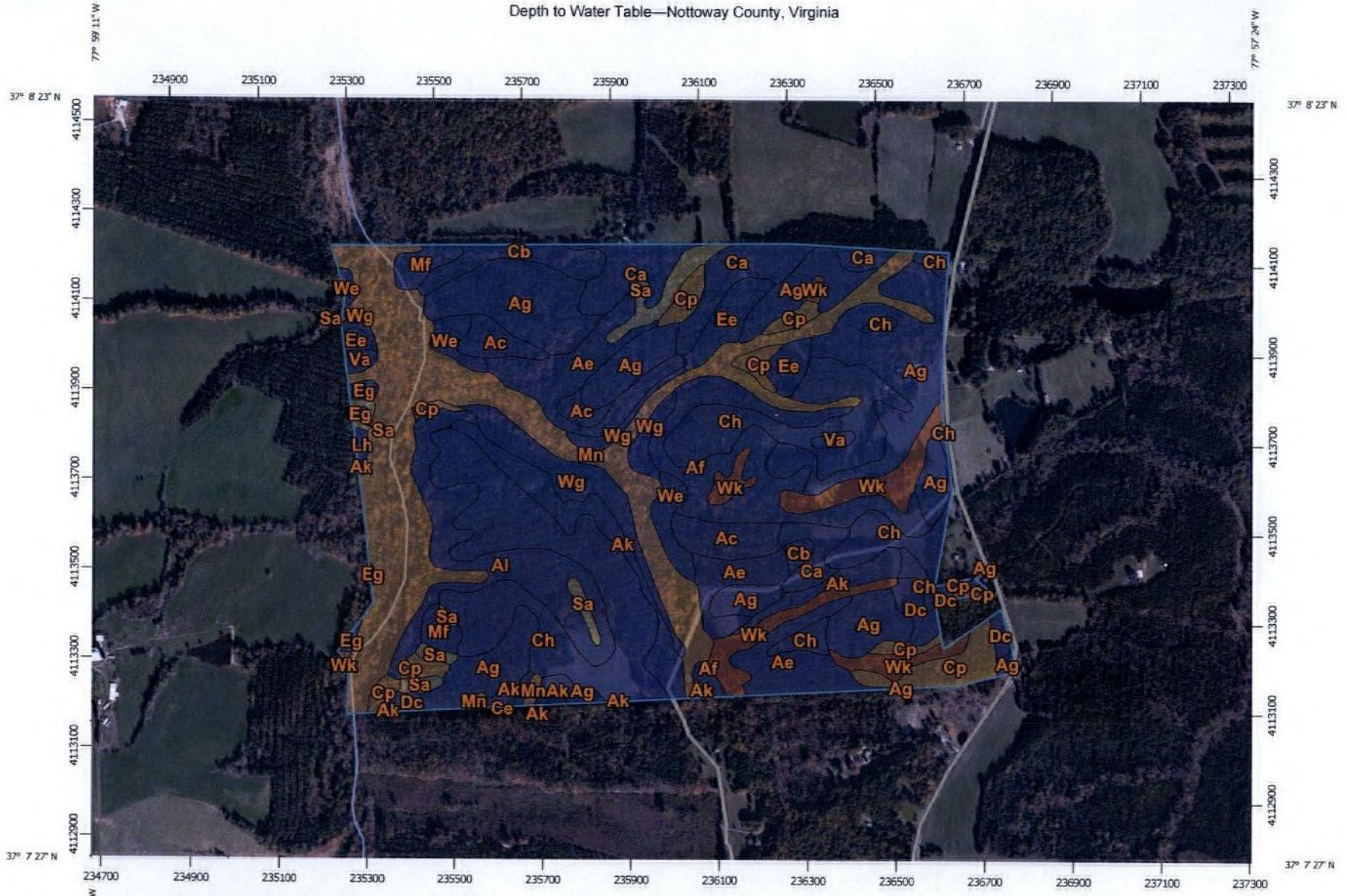
Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Depth to Water Table—Nottoway County, Virginia



Map Scale: 1:12,000 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 150 300 600 900

Feet: 0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Lines
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- Not rated or not available

Soil Rating Points
- 0 - 25
- 25 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- > 200
- 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 1:20,000.

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
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: Nottoway County, Virginia
Survey Area Data: Version 10, Dec 16, 2013

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

Date(s) aerial images were photographed: Jul 4, 2010—Nov 8, 2010

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.

Depth to Water Table

Depth to Water Table— Summary by Map Unit — Nottoway County, Virginia (VA135)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Ac	Appling coarse sandy loam, undulating phase	>200	8.8	2.6%
Ae	Appling coarse sandy loam, rolling phase	>200	22.5	6.6%
Af	Appling coarse sandy loam, eroded rolling phase	>200	17.7	5.2%
Ag	Appling fine sandy loam, undulating phase	>200	61.6	18.0%
Ak	Appling fine sandy loam, rolling phase	>200	13.3	3.9%
Al	Appling fine sandy loam, eroded rolling phase	>200	16.7	4.9%
Ca	Cecil clay loam, eroded undulating phase	>200	16.7	4.9%
Cb	Cecil clay loam, eroded rolling phase	>200	5.7	1.7%
Ce	Cecil coarse sandy loam, undulating phase	>200	0.6	0.2%
Ch	Cecil fine sandy loam, undulating phase	>200	53.7	15.6%
Cp	Colfax sandy loam, undulating phase	31	12.4	3.6%
Dc	Durham fine sandy loam, undulating phase	>200	3.6	1.0%
Ee	Enon-Vance-Helena soils, undulating phases	>200	6.7	2.0%
Eg	Enon-Vance-Helena soils, rolling phases	>200	1.3	0.4%
Lh	Louisburg sandy loam, rolling phase	>200	0.5	0.2%
Mf	Madison sandy loam, undulating phase	>200	3.9	1.1%
Mn	Mixed alluvial land	31	58.3	17.0%
Sa	Seneca sandy loam	84	6.4	1.9%
Va	Vance fine sandy loam, undulating phase	>200	1.5	0.4%
We	Wilkes sandy loam, rolling phase	>200	5.4	1.6%
Wg	Wilkes sandy loam, hilly phase	>200	11.4	3.3%

Depth to Water Table— Summary by Map Unit — Nottoway County, Virginia (VA135)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
Wk	Worsham sandy loam	15	14.3	4.2%
Totals for Area of Interest			**343.1**	**100.0%**

Description

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

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

Rating Options

Units of Measure: centimeters

Aggregation Method: Dominant Component

Component Percent Cutoff: *None Specified*

Tie-break Rule: Lower

Interpret Nulls as Zero: No

Beginning Month: January

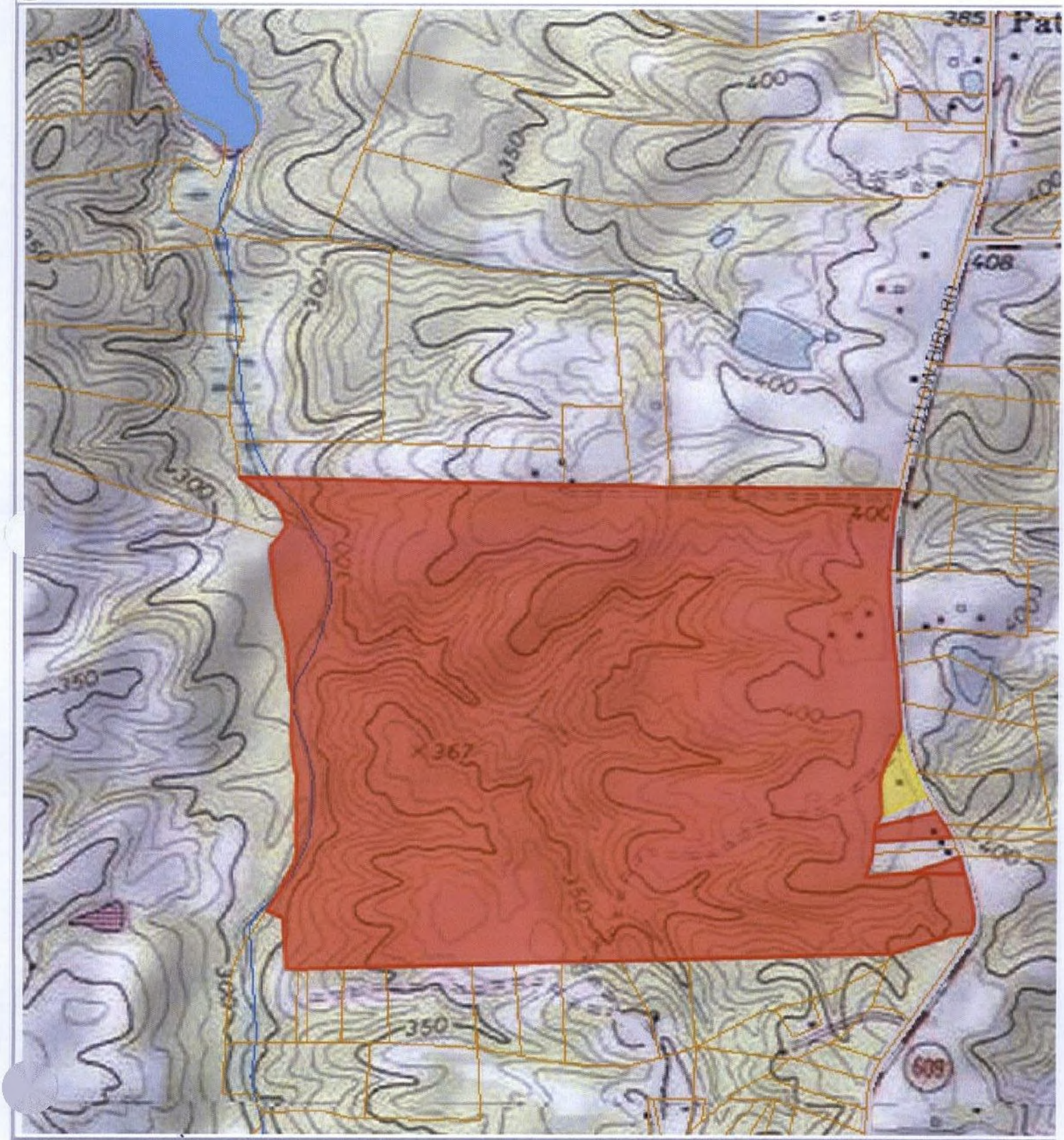
Ending Month: December

NOTTOWAY COUNTY

A. Lee Williams/ Donna Bailey Trust

T-33

N

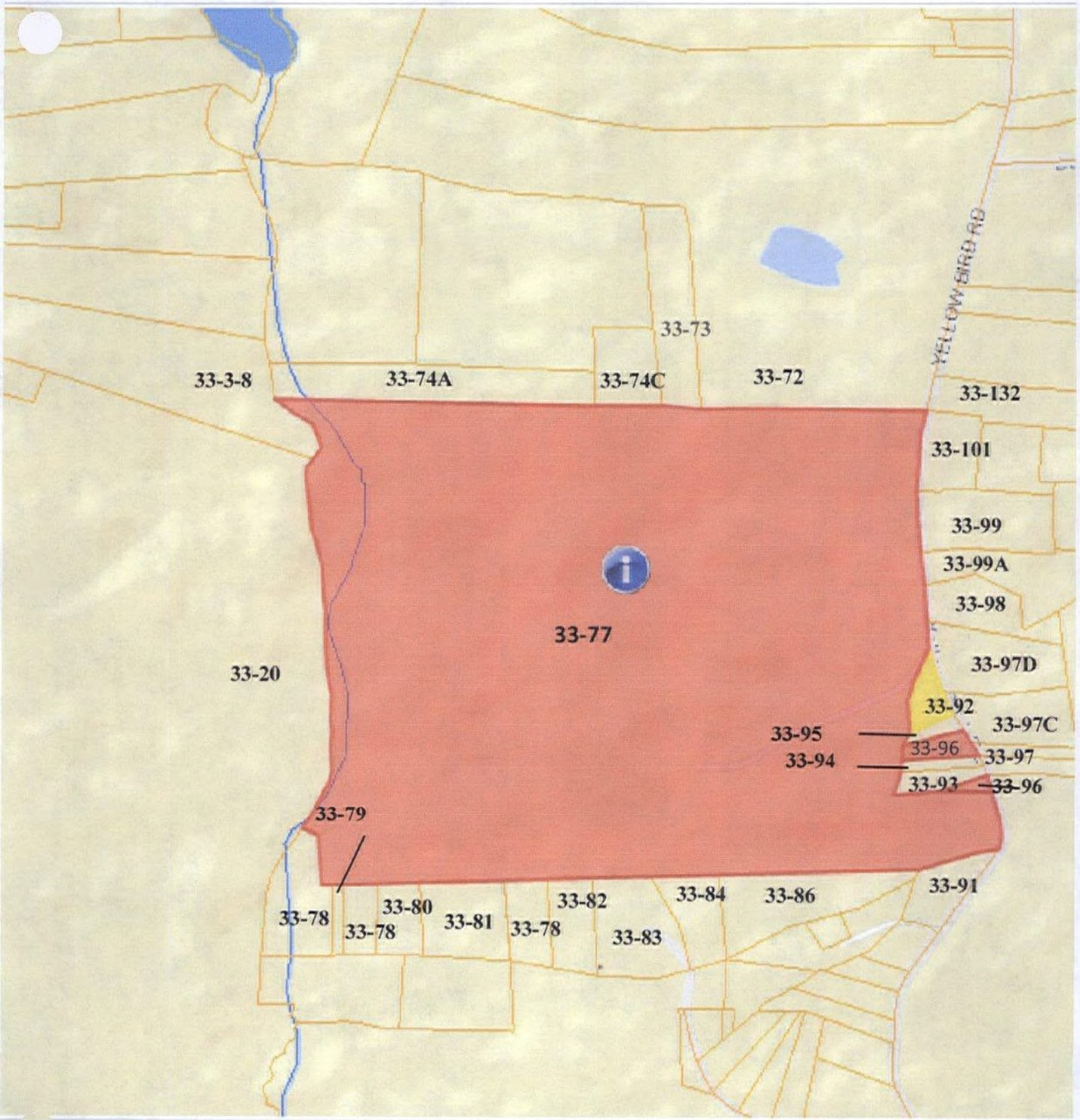


Scale: 1:18055.954822	Date: 08/06/2015	Printed By:

NOTTOWAY COUNTY

A. Lee Williams/ Donna Bailey Trust

T-33



Sc 1:18055.954822 | Date: 08/06/2015 | Printed By:

WILLIAMS FARM
Tract 33
Field Data Sheet

Field	Total	Field Coordinates	
	Acres	Latitude	Longitude
1	36.50	37.129335	-77.967854
2	92.60	37.135041	-77.971403
3	73.40	37.130815	-77.970445
4	12.10	37.132473	-77.976701
5	72.90	37.133903	-77.977789
5	287.50		

watershed code JA 30

Tax ID 33-77,92,96

owner A. Lee Williams/Bailey Trust

Site Type Forested

Ag. Practice See NMP for YearlyCrop Rotation