

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)

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

Permittee: Nutri-Blend County or City: Cumberland

Landowner: Barry Gordon

Landowner: _____

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.

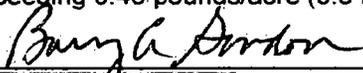
I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

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).


Landowner's Signature

9/23/2014
Date

Browns Store

NutriBlend

BIOSOLIDS LAND APPLICATION

PEN RD

**Varner
T-454A**



45

Hawk
Creek

HOLMAN
MILL

Horsepen
Creek

Radio
Tower

Cotton
Town

JOHN RANDOLPH
RD

JOHN RANDOLPH

ANGOLA
LN

ANGOLA

Angola

ines
vern

COOKS
RD

COOKS

RIVER

HIGH HILL



Stoddert

SAHAN

JAMESTOWN

BROWN
BR
RD

RIVER

Wilson
Lake

Creek

Luck
Branch
RIVER

RIVER RD

126 600

726

619

NutriBlend

BIOSOLIDS LAND APPLICATION

Varner
T-454A
169.6 Acres



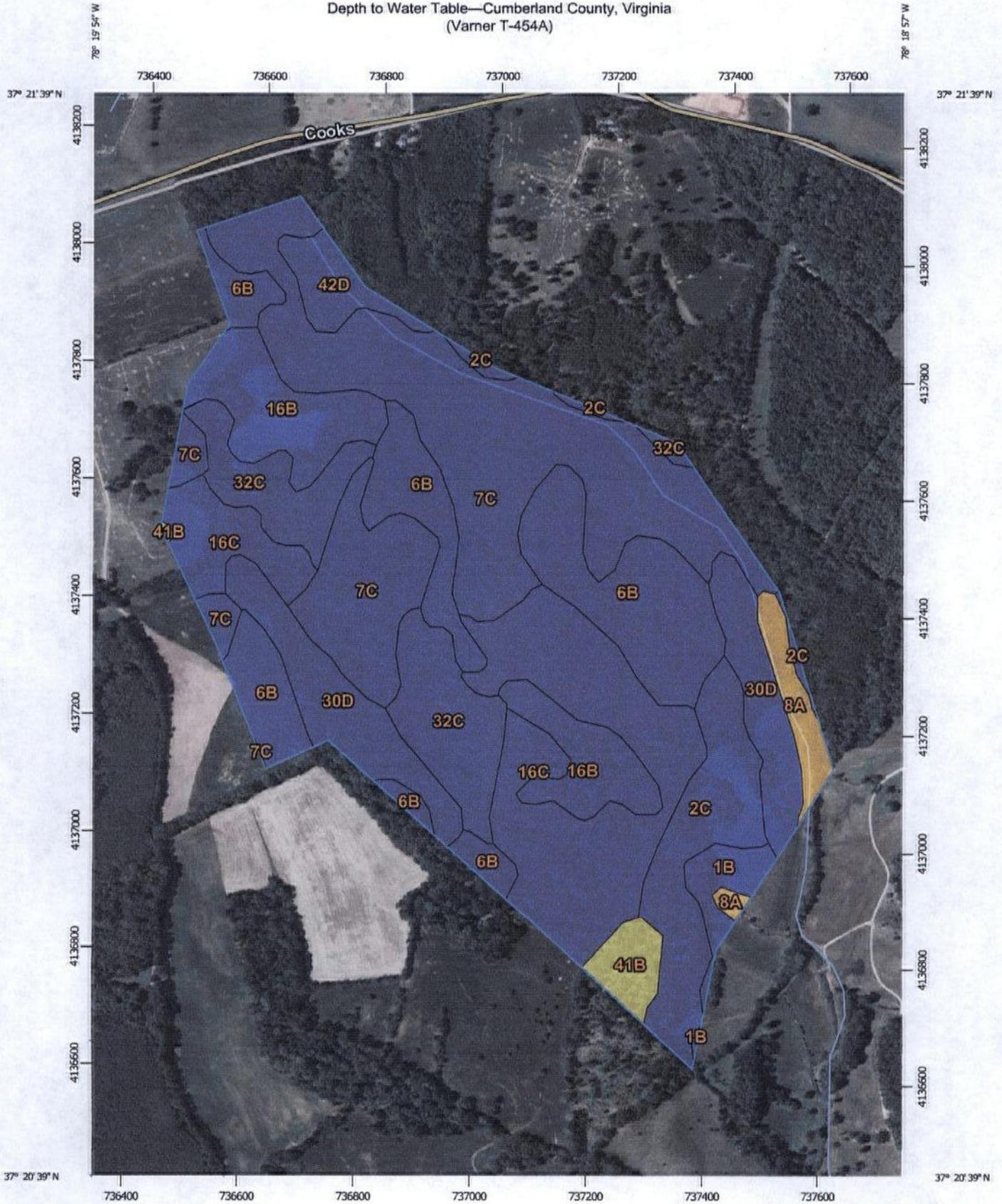
Co Rd 653



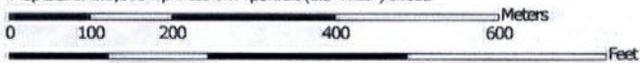
2390 ft

- Buffer Area
- Field Boundary
- Intermittent Stream
- Occupied Dwelling/Structures
- Public Roadway
- Property Line
- Surface Water

Depth to Water Table—Cumberland County, Virginia
(Varner T-454A)



Map Scale: 1:9,000 if printed on A portrait (8.5" x 11") sheet.



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



Depth to Water Table—Cumberland County, Virginia
(Vamer T-454A)

MAP LEGEND

- | | |
|--|--|
|  Area of Interest (AOI) |  Not rated or not available |
| Soils | Water Features |
| Soil Rating Polygons |  Streams and Canals |
|  0 - 25 | Transportation |
|  25 - 50 |  Rails |
|  50 - 100 |  Interstate Highways |
|  100 - 150 |  US Routes |
|  150 - 200 |  Major Roads |
|  > 200 |  Local Roads |
|  Not rated or not available | Background |
| Soil Rating Lines |  Aerial Photography |
|  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 | |

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Cumberland County, Virginia
Survey Area Data: Version 11, Dec 11, 2013

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

Date(s) aerial images were photographed: May 10, 2010—Jul 4, 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 — Cumberland County, Virginia (VA049)				
Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
1B	Appling sandy loam, 2 to 7 percent slopes	>200	3.8	1.7%
2C	Appling-Helena complex, 7 to 15 percent slopes	>200	16.7	7.5%
6B	Cecil sandy loam, 2 to 7 percent slopes	>200	34.4	15.4%
7C	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	>200	59.8	26.8%
8A	Chewacla and Monacan soils, 0 to 2 percent slopes, frequently flooded	31	4.6	2.1%
16B	Enon-Helena complex, 2 to 7 percent slopes	>200	18.5	8.3%
16C	Enon-Helena complex, 7 to 15 percent slopes	>200	38.6	17.3%
30D	Pacolet-Wateree complex, 15 to 25 percent slopes	>200	19.1	8.6%
32C	Poindexter-Wedowee complex, 7 to 15 percent slopes	>200	19.4	8.7%
41B	Trenholm sandy loam, 2 to 7 percent slopes	61	3.7	1.7%
42D	Wateree sandy loam, 15 to 25 percent slopes	>200	4.5	2.0%
Totals for Area of Interest			223.2	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.

Depth to Any Soil Restrictive Layer—Cumberland County, Virginia

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

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Depth to Any Soil Restrictive Layer

Depth to Any Soil Restrictive Layer— Summary by Map Unit — Cumberland County, Virginia (VA049)				
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2C	Appling-Helena complex, 7 to 15 percent slopes	>200	16.7	7.5%
6B	Cecil sandy loam, 2 to 7 percent slopes	>200	34.4	15.4%
7C	Cecil sandy clay loam, 7 to 15 percent slopes, severely eroded	>200	59.8	26.8%
8A	Chewacla and Monacan soils, 0 to 2 percent slopes, frequently flooded	>200	4.6	2.1%
16B	Enon-Helena complex, 2 to 7 percent slopes	>200	18.5	8.3%
16C	Enon-Helena complex, 7 to 15 percent slopes	>200	38.6	17.3%
30D	Pacolet-Wateree complex, 15 to 25 percent slopes	>200	19.1	8.6%
32C	Poindexter-Wedowee complex, 7 to 15 percent slopes	99	19.4	8.7%
41B	Trenholm sandy loam, 2 to 7 percent slopes	>200	3.7	1.7%
42D	Wateree sandy loam, 15 to 25 percent slopes	99	4.5	2.0%
Totals for Area of Interest			223.2	100.0%

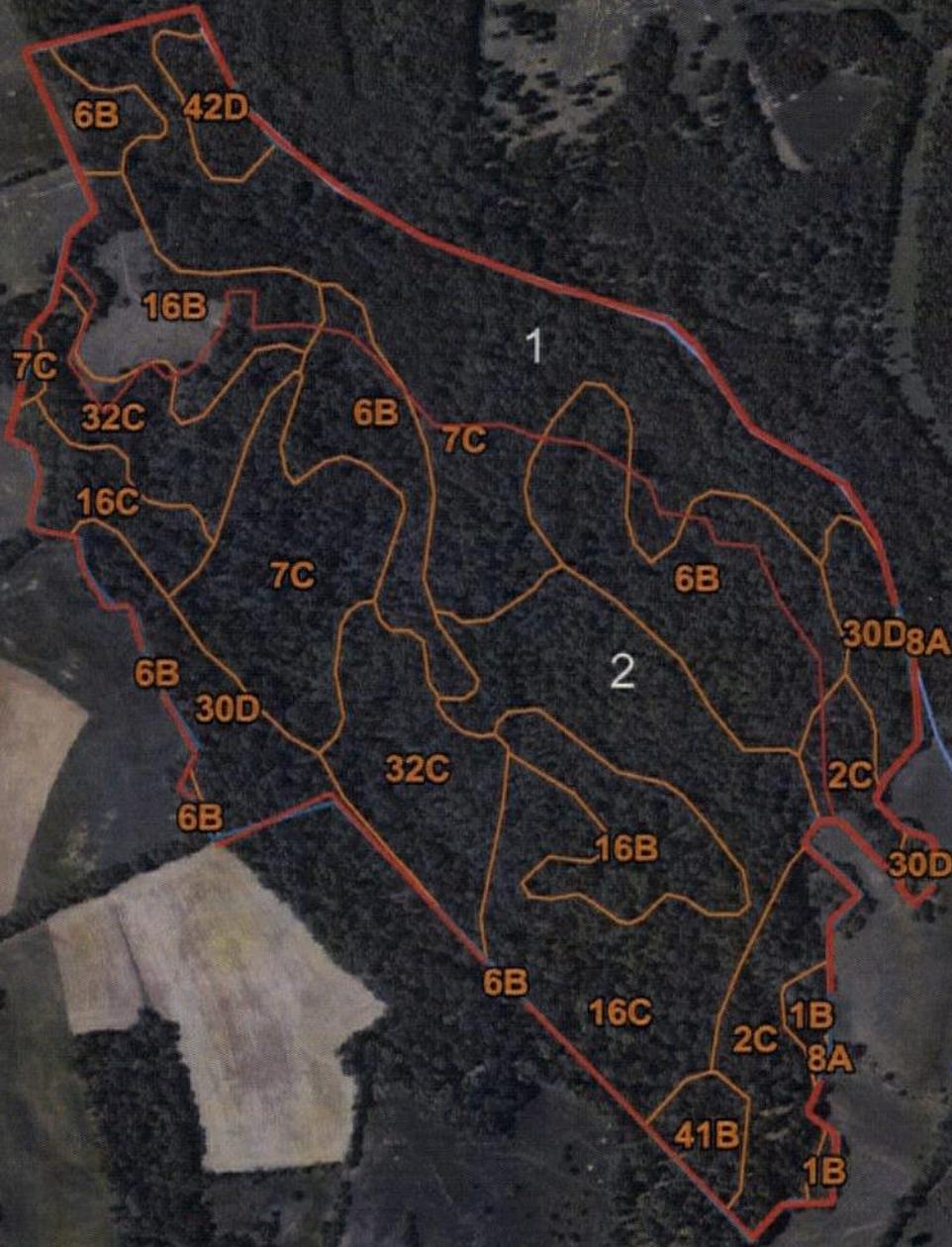
NutriBlend

BIOSOLIDS LAND APPLICATION



Cooks

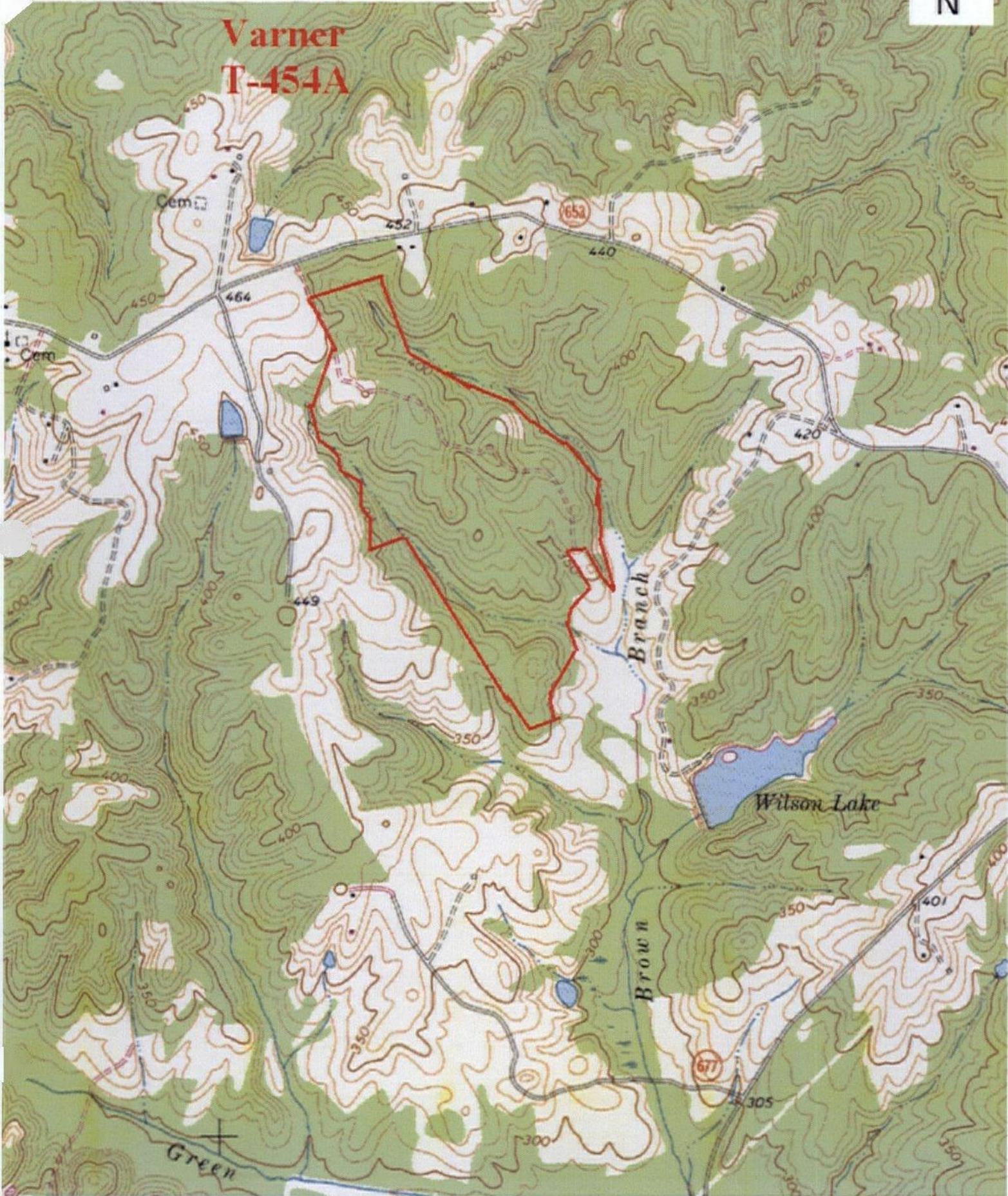
VARNER T-454



0 500 1000 2000 3000 Feet
Map projection: Web Mercator; datum: WGS84; false easting: 1 ITM; false northing: 1 ITM



**Varner
T-454A**

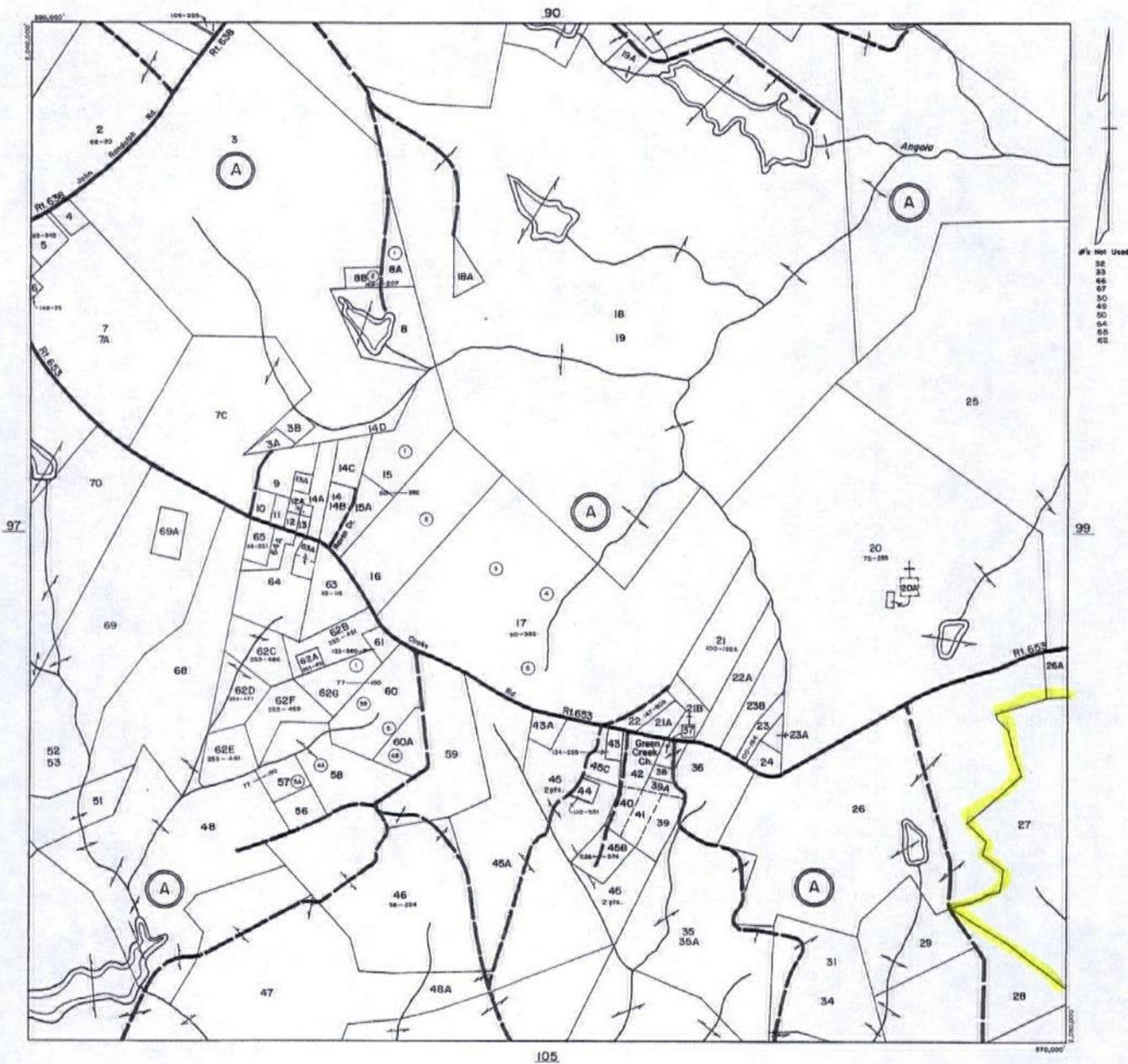


VARNER FARM
Tract 454A
Field Data Sheet

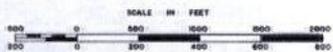
Field	Total Acres	Field Coordinates	
		Latitude	Longitude
1	67.6	37.354203	-78.321314
2	102.0	37.352267	-78.324032
2	169.6		

watershed code JA16
Site Type Agriculture Fld.1
 Forest Fld. 2
Tax ID 98-A-27
Agricultural Practice: See Nutrient Management Plan for Yearly crop rotation
USDA Soil info on depth to bedrock&water table when applicable in Nutrient Management Plan
owner BARRY A. GORDON

CUMBERLAND COUNTY



- #s Not Used
- 38
- 39
- 46
- 47
- 50
- 51
- 54
- 55
- 56



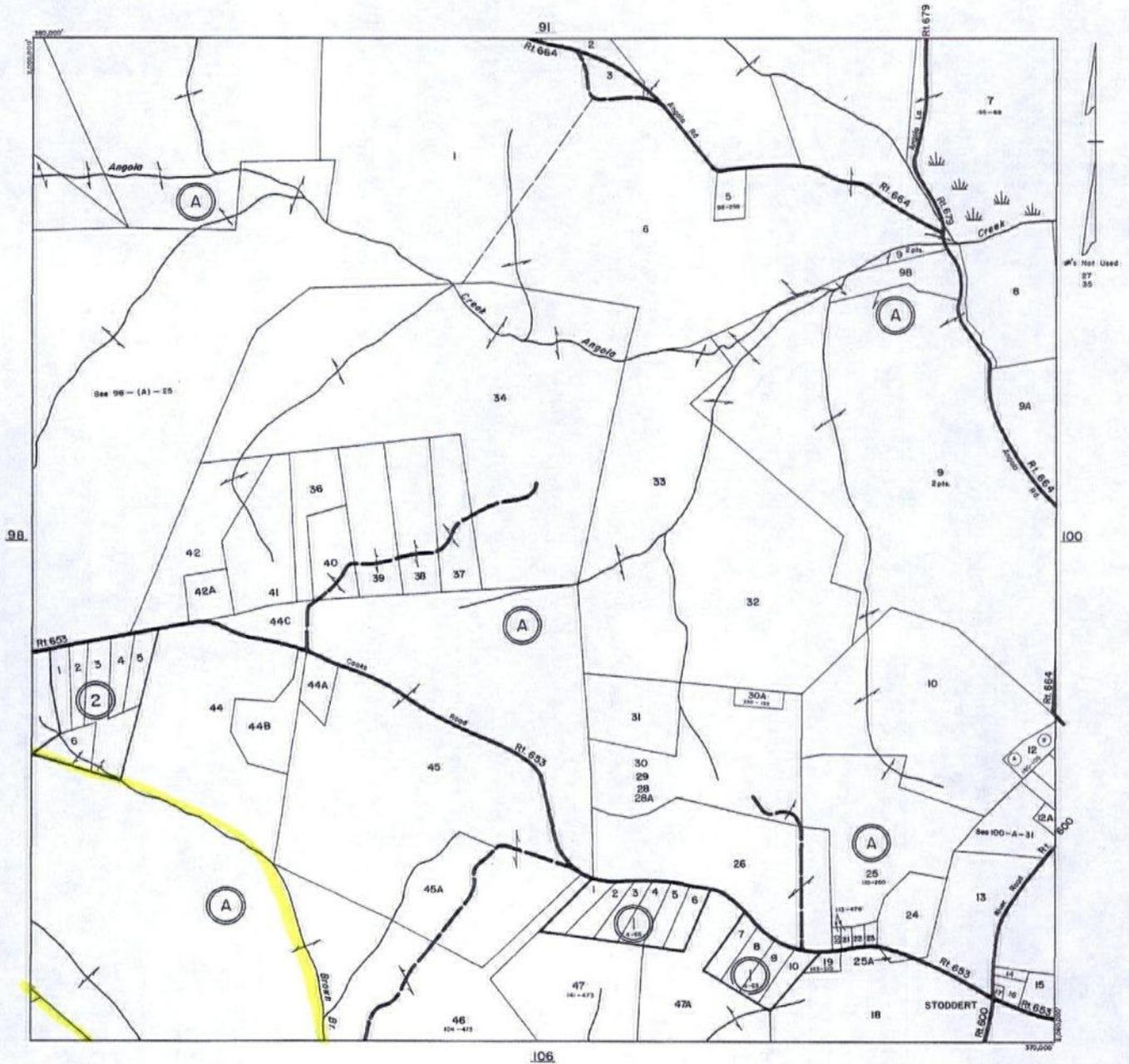
RANDOLPH DISTRICT

SECTION 98

REVISED: 12/31/06, 1/1/12

PROPERTY TAX DIV. - WISDOMA DEPT. OF TAXATION

CUMBERLAND COUNTY



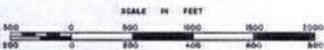
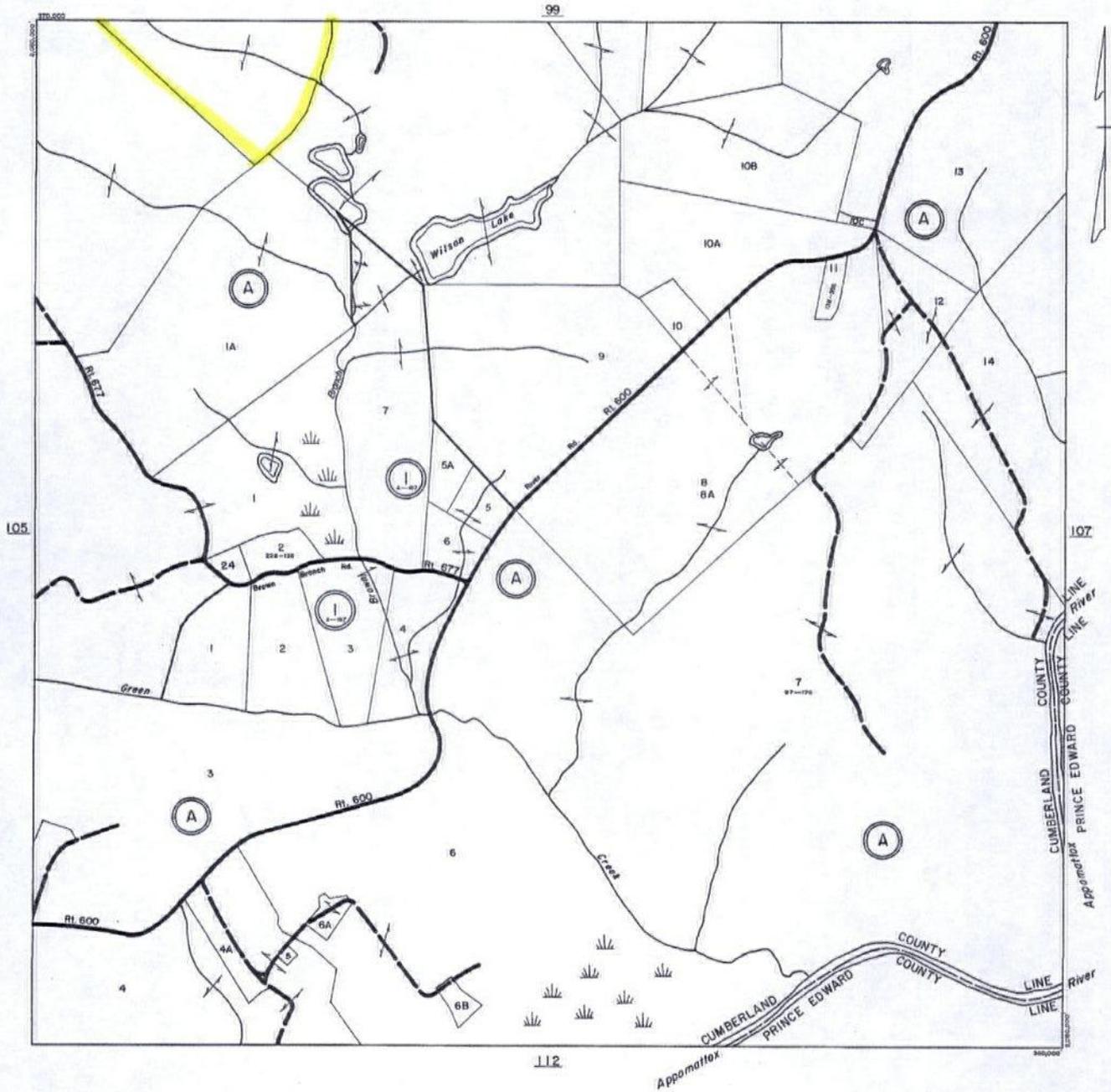
RANDOLPH DISTRICT

SECTION 99

REVISED: 12/31/06, 1/1/12

PROPERTY TAX DIST. - VARIOUS DEPT. OF TREASURY

CUMBERLAND COUNTY



RANDOLPH DISTRICT

SECTION 106

REVISED: 12/31/06, 1/1/12

PROPERTY TAX MAP - VARIOUS DEPT. OF TAXATION