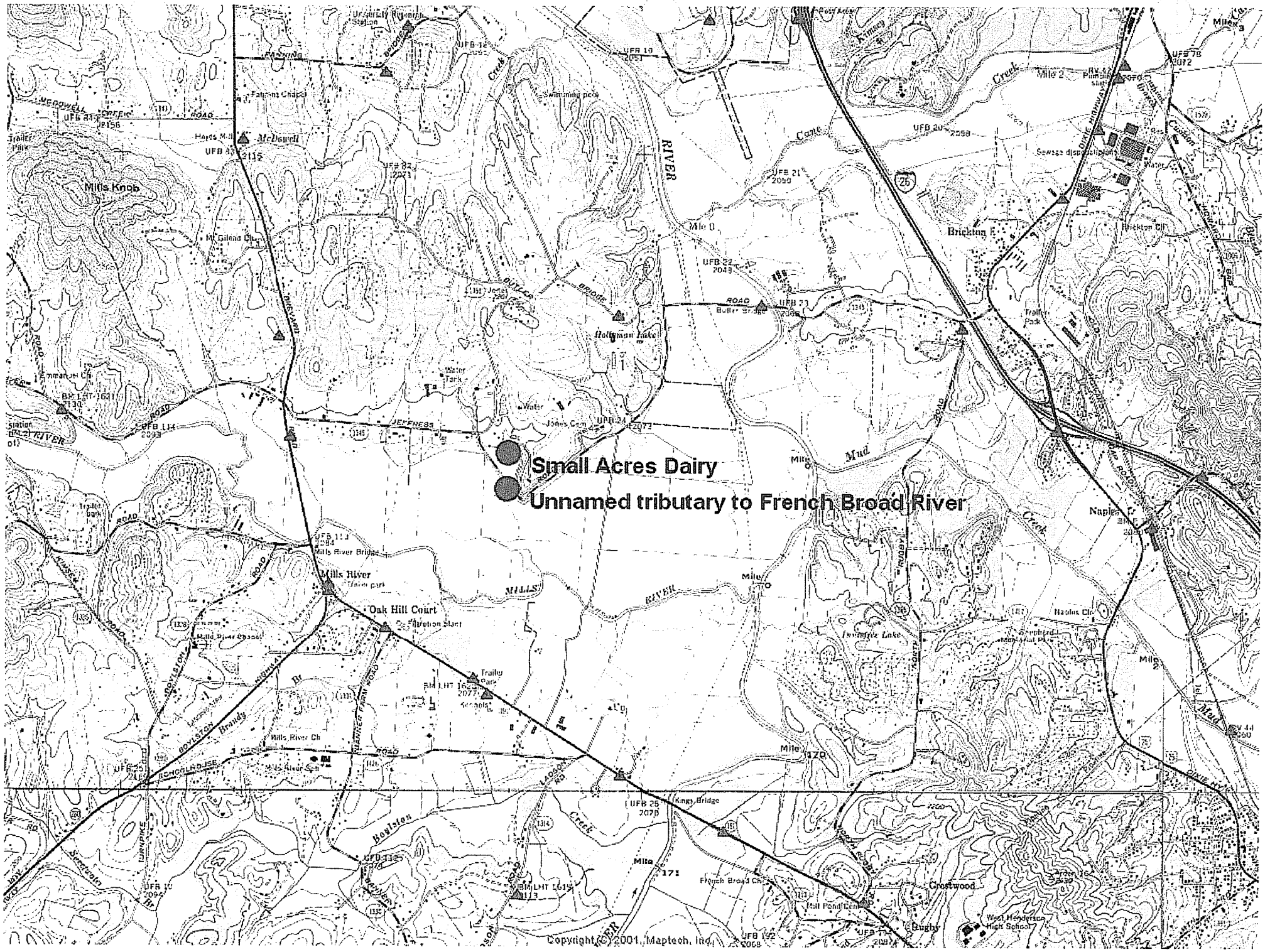
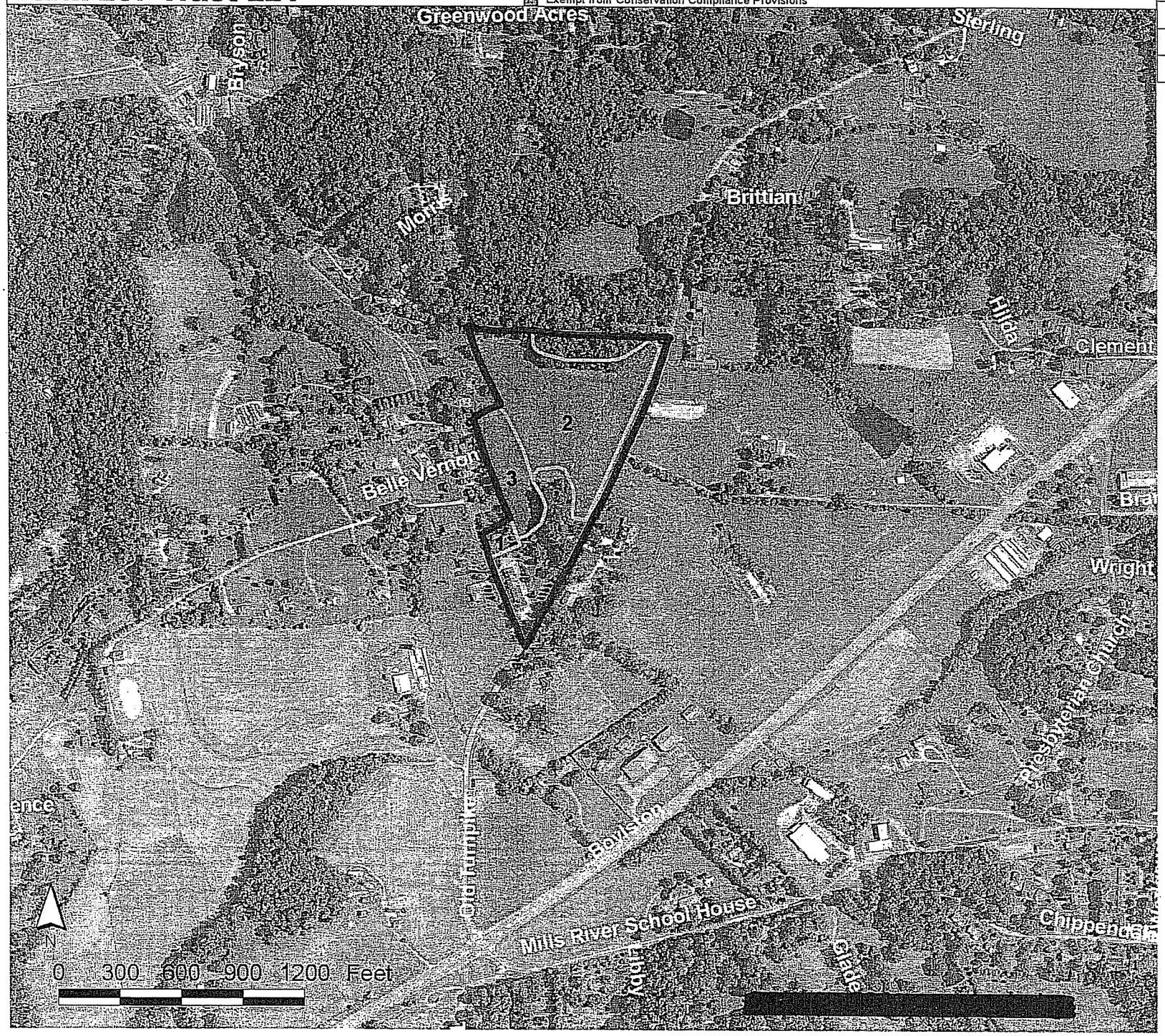

Small Acres Dairy
Unnamed tributary to French Broad River
Mills Knob
McDowell
Mills River
Oak Hill Court
Brickton
Naples
Crestwood
Rugby
Mud Creek
Mills River Bridge
Kings Bridge
Copyright (C) 2001, Maptech, Inc.

Henderson County [redacted]

Farm 207 Tract 221

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

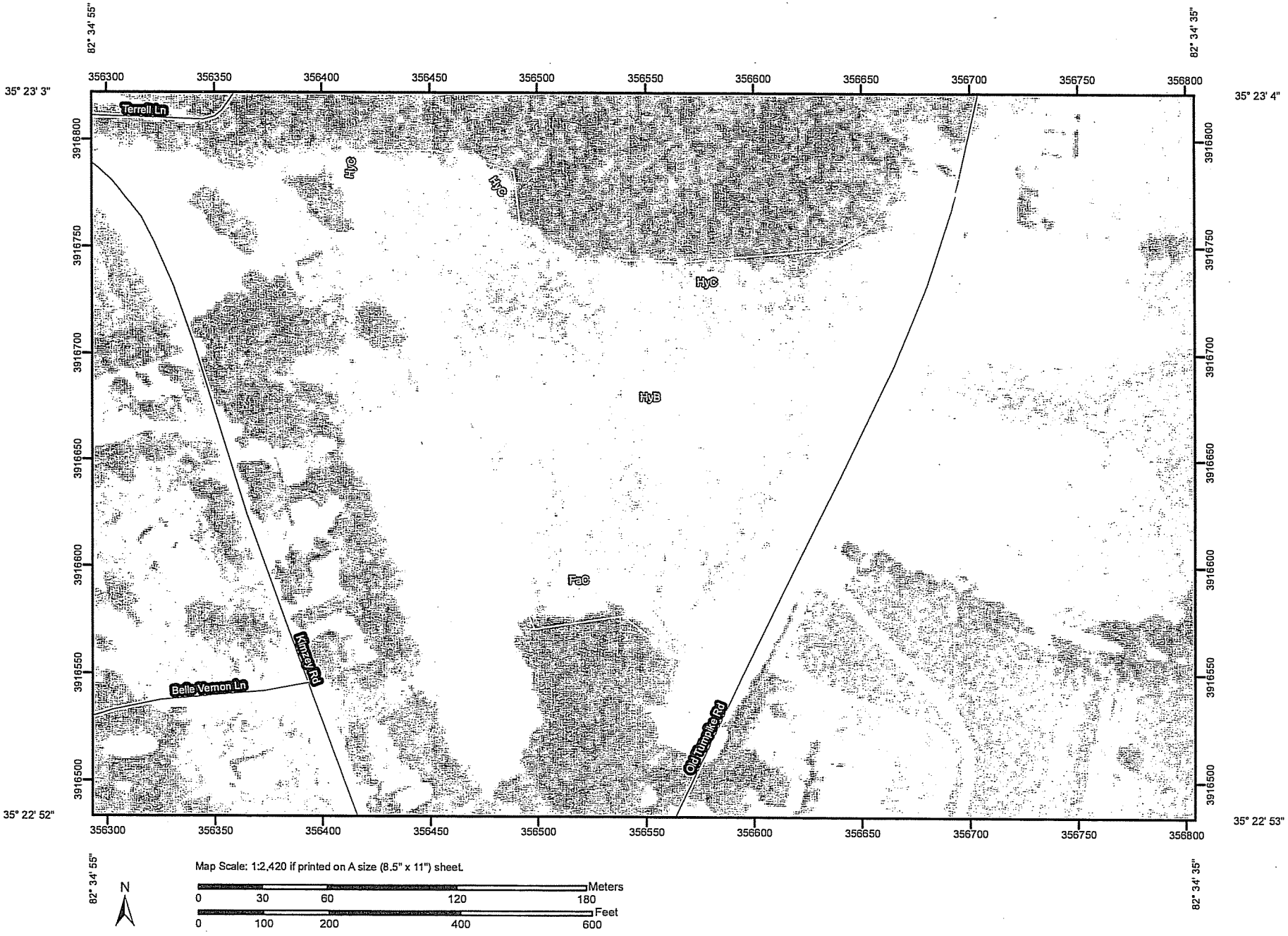
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



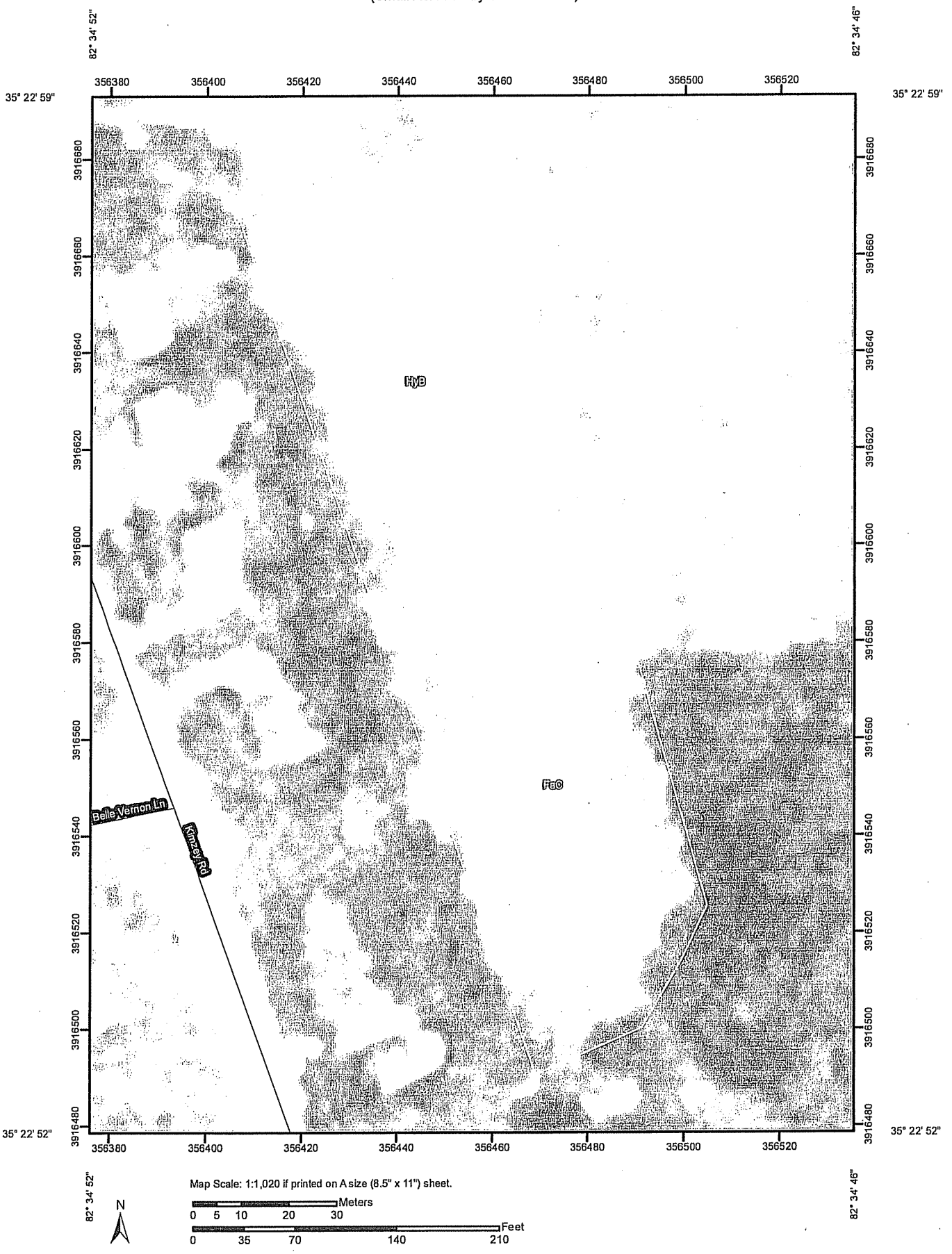
	Acres	Crop	HEL	CRP
1	0.48		Y	
2	9.85		Y	
3	2.38		Y	

Total Cropland Acres
12.7

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 221 Field 2)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 221 Field 3)

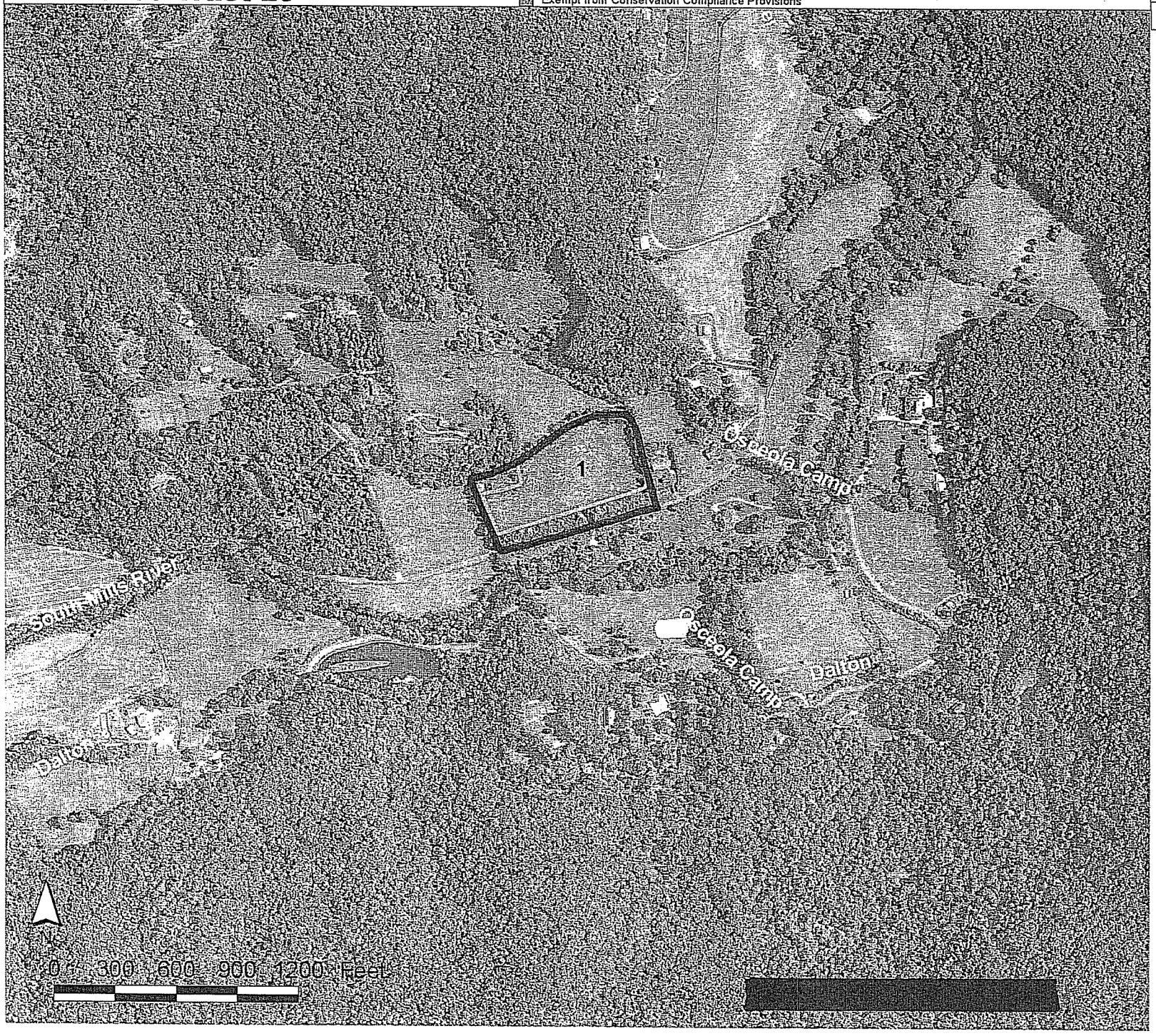


Henderson County [redacted]
Farm 3235 Tract 29

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

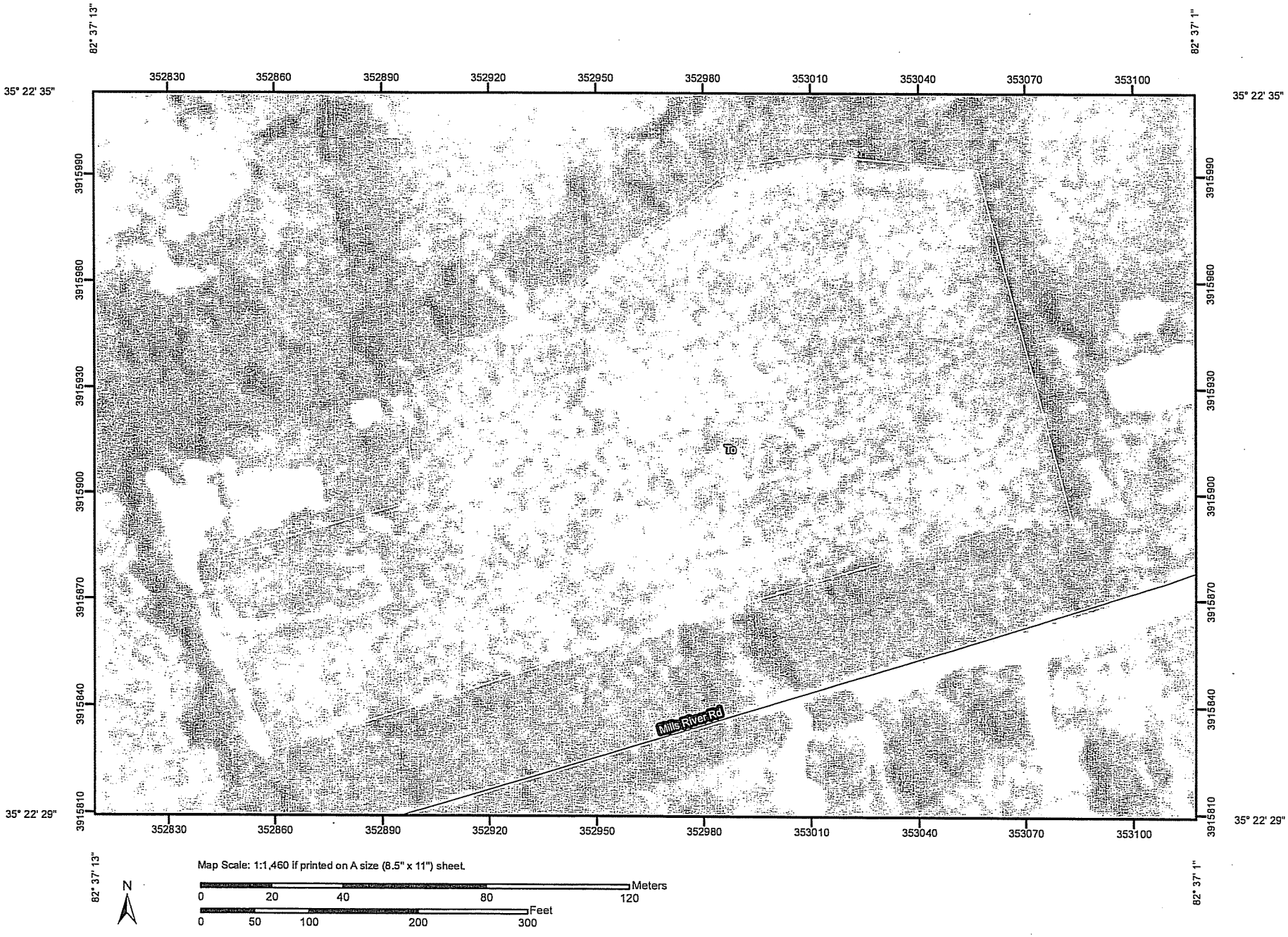
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

	Acres	Crop	HEL	CRP
1	5.98		N	



Total Cropland Acres
6.0

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 29 Field 1)



Henderson County [redacted]
Farm 3280 Tract 33632

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Tract	Acres	Crop	HEL	CRP
3	9.27		N	

Total Cropland Acres
9.3

Soil Map—Henderson County, North Carolina
(Small Acres Tr 33632 Field 3)

Map Scale: 1:1,850 if printed on A size (8.5" x 11") sheet.

N

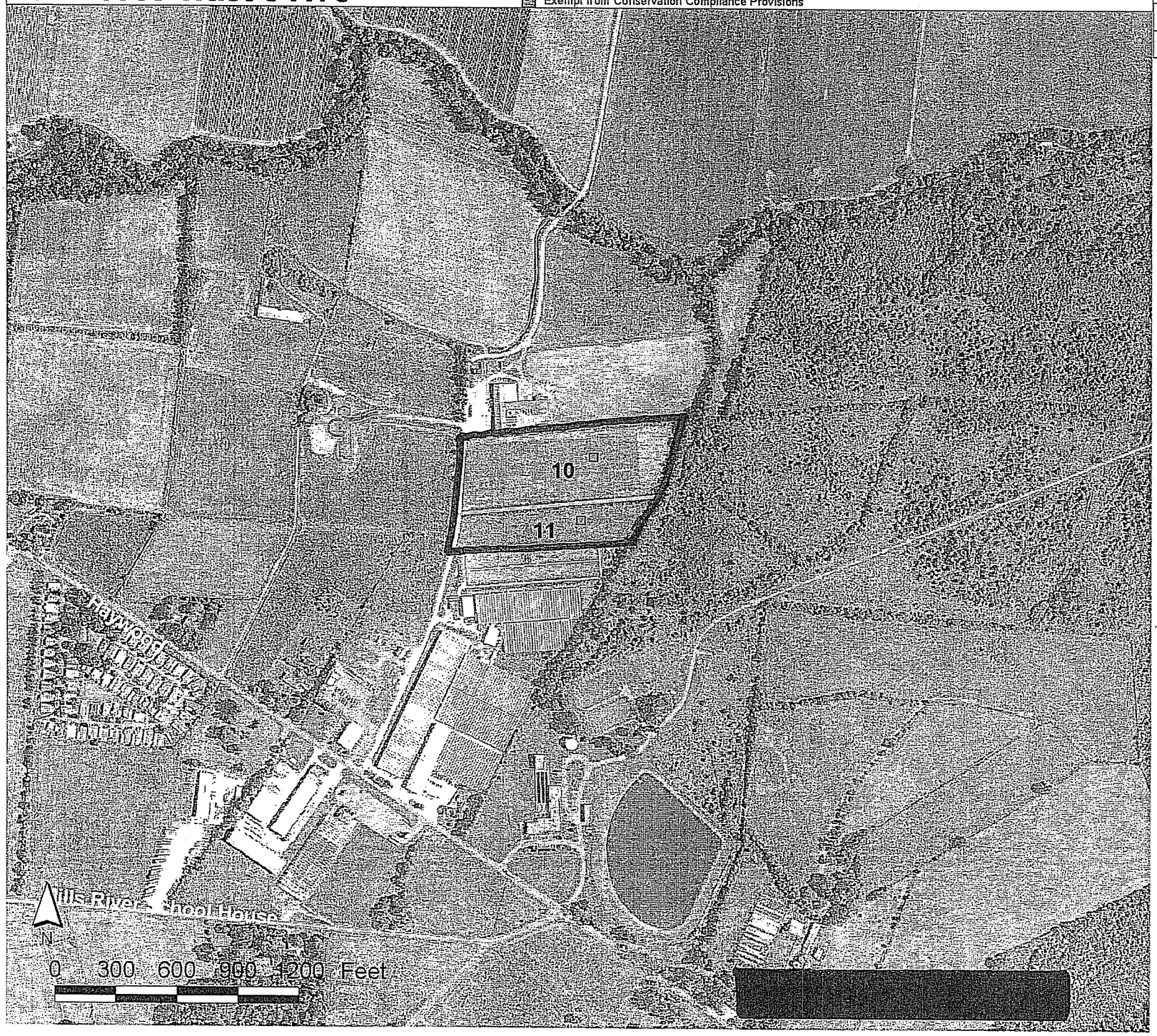
Meters
0 15 30 60 90

Feet
0 50 100 200 300

Henderson County [redacted]
Farm 3933 Tract 34170

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

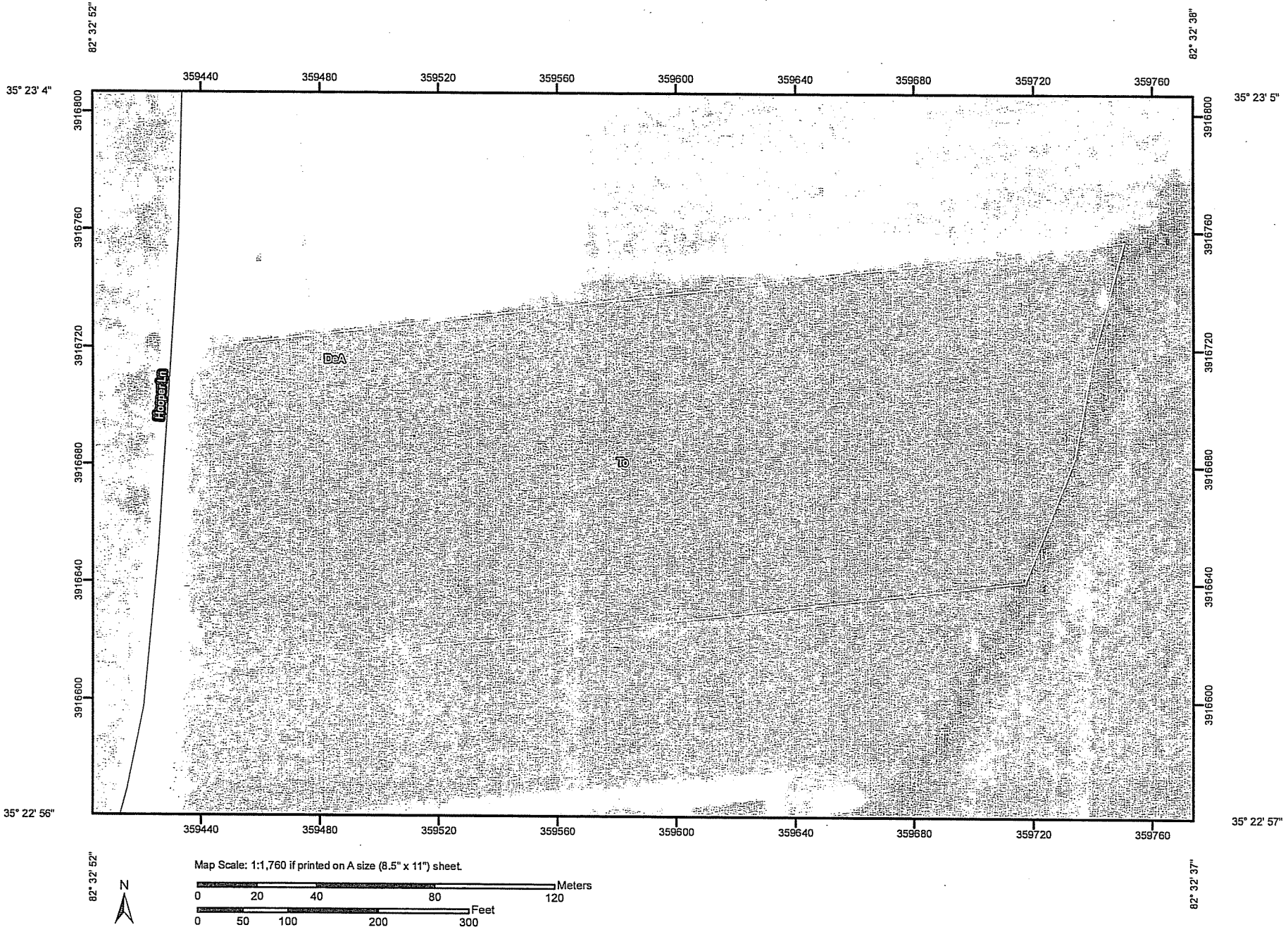
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



	Acres	Crop	HEL	CRP
10	9.22		N	
11	4.16		N	

Total Cropland Acres
13.4

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34170 Field 10)



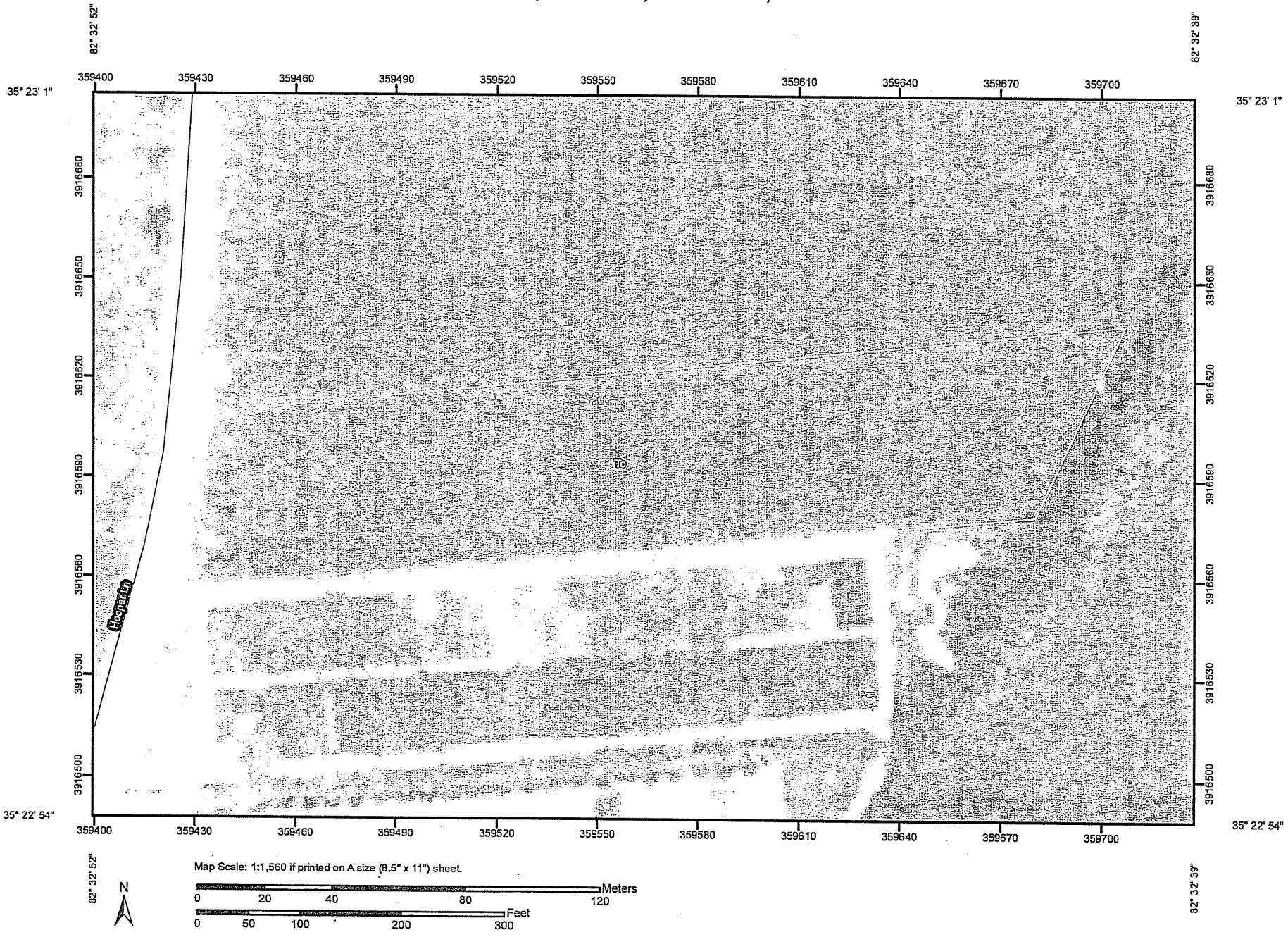
Map Scale: 1:1,760 if printed on A size (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34170 Field 11)



USDA Natural Resources Conservation Service

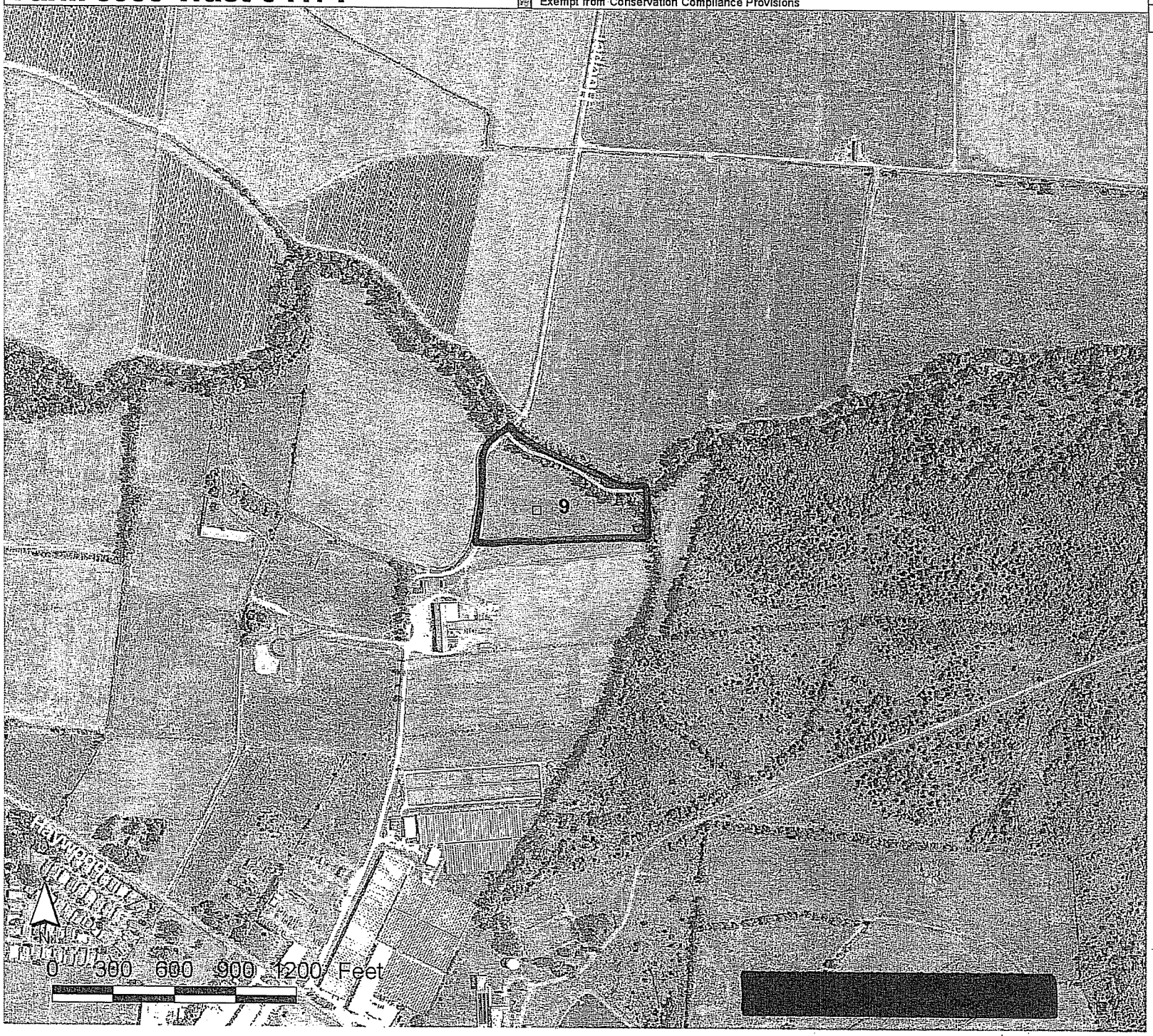
Web Soil Survey
National Cooperative Soil Survey

Henderson County [redacted]

Farm 3933 Tract 34171

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

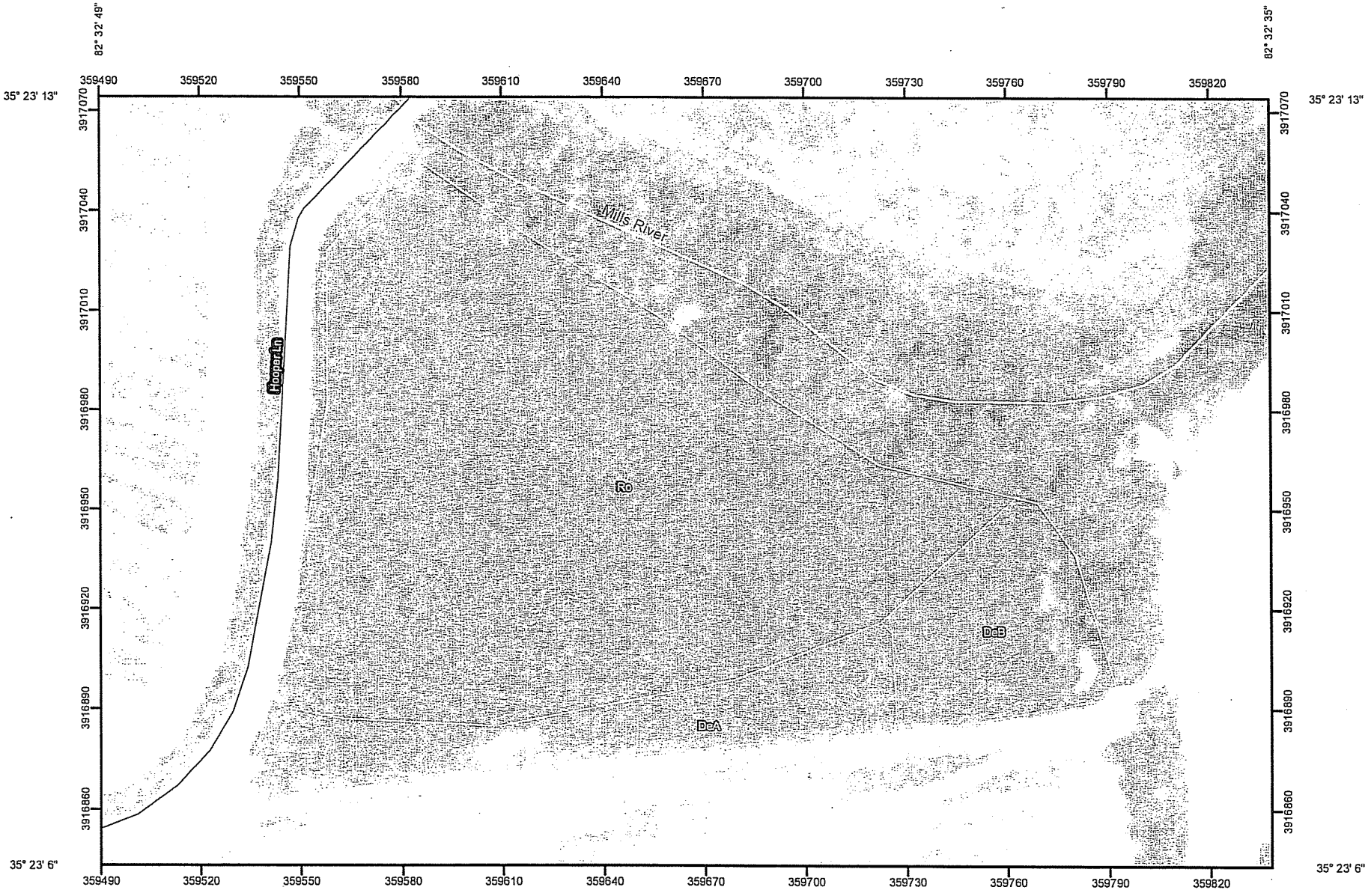
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



	Acres	Crop	HEL	CRP
9	6.72		N	

Total Cropland Acres
6.7

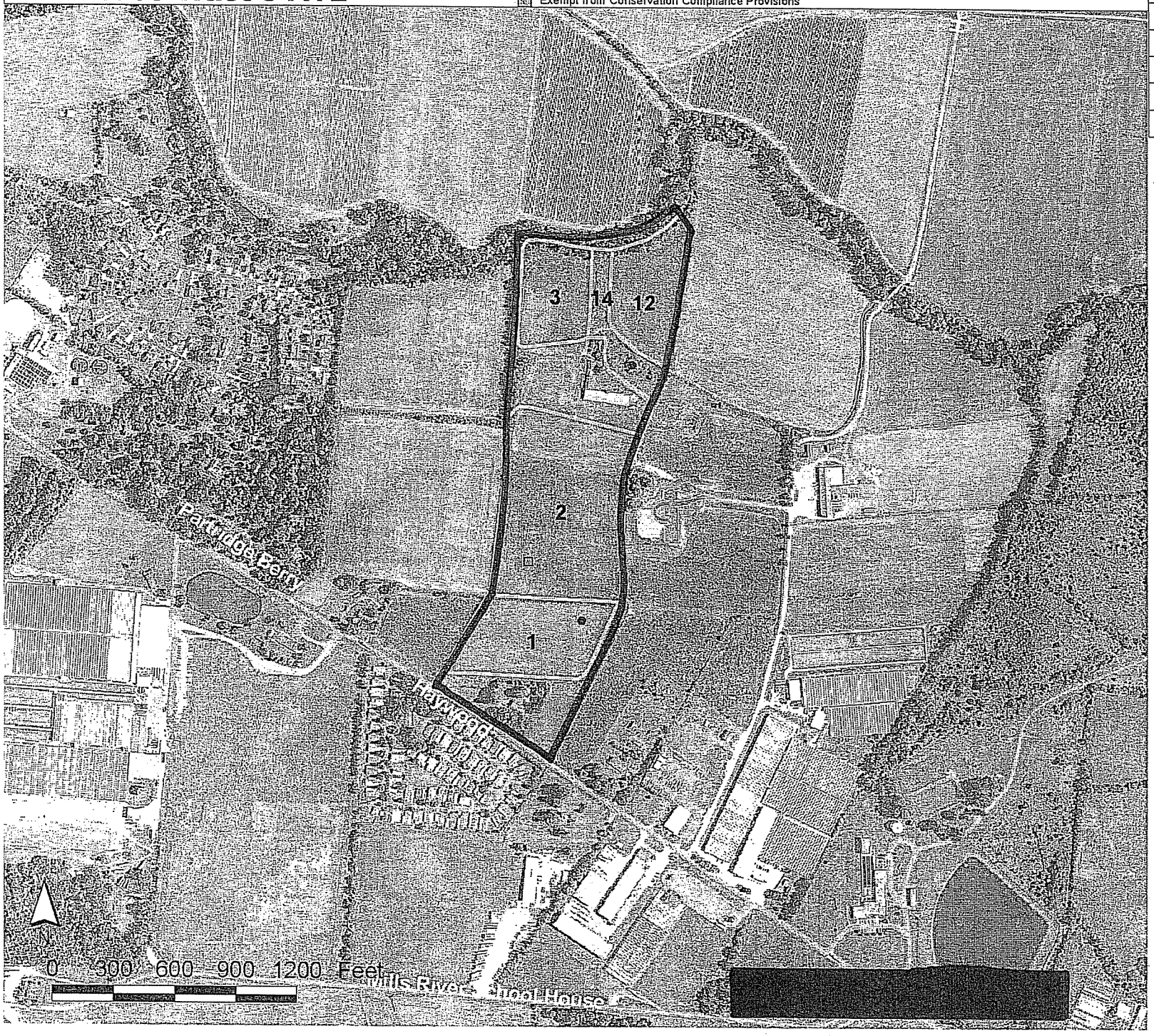
Soil Map—Henderson County, North Carolina
(Small AcresDairy Tr 34171 Field 9)



Henderson County [redacted]
Farm 3933 Tract 34172

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

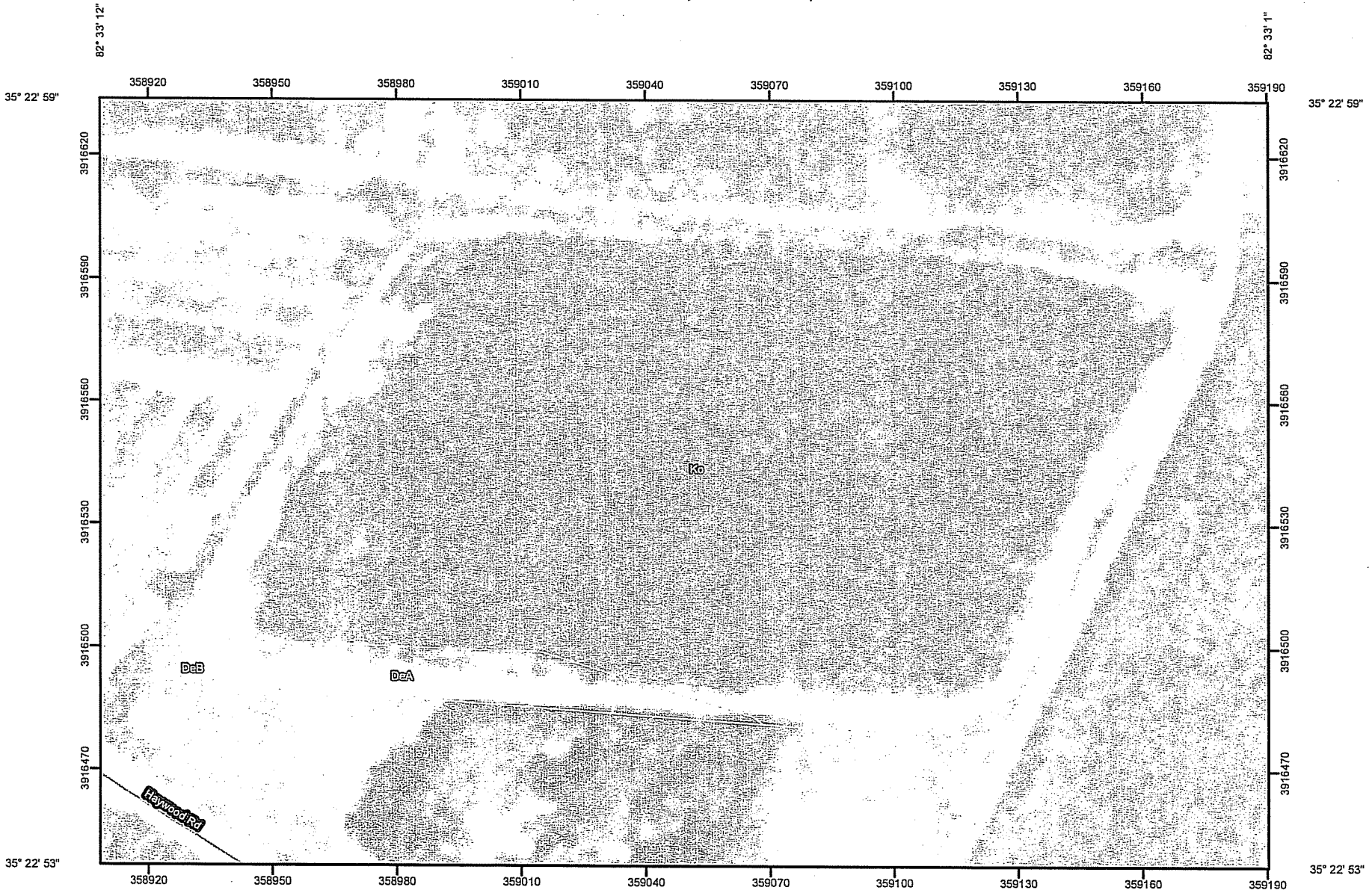
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Tract	Acres	Crop	HEL	CRP
1	5.93		N	
2	12.61		N	
3	3.90		N	
12	4.30			
14	2.15			

Total Cropland Acres
28.9

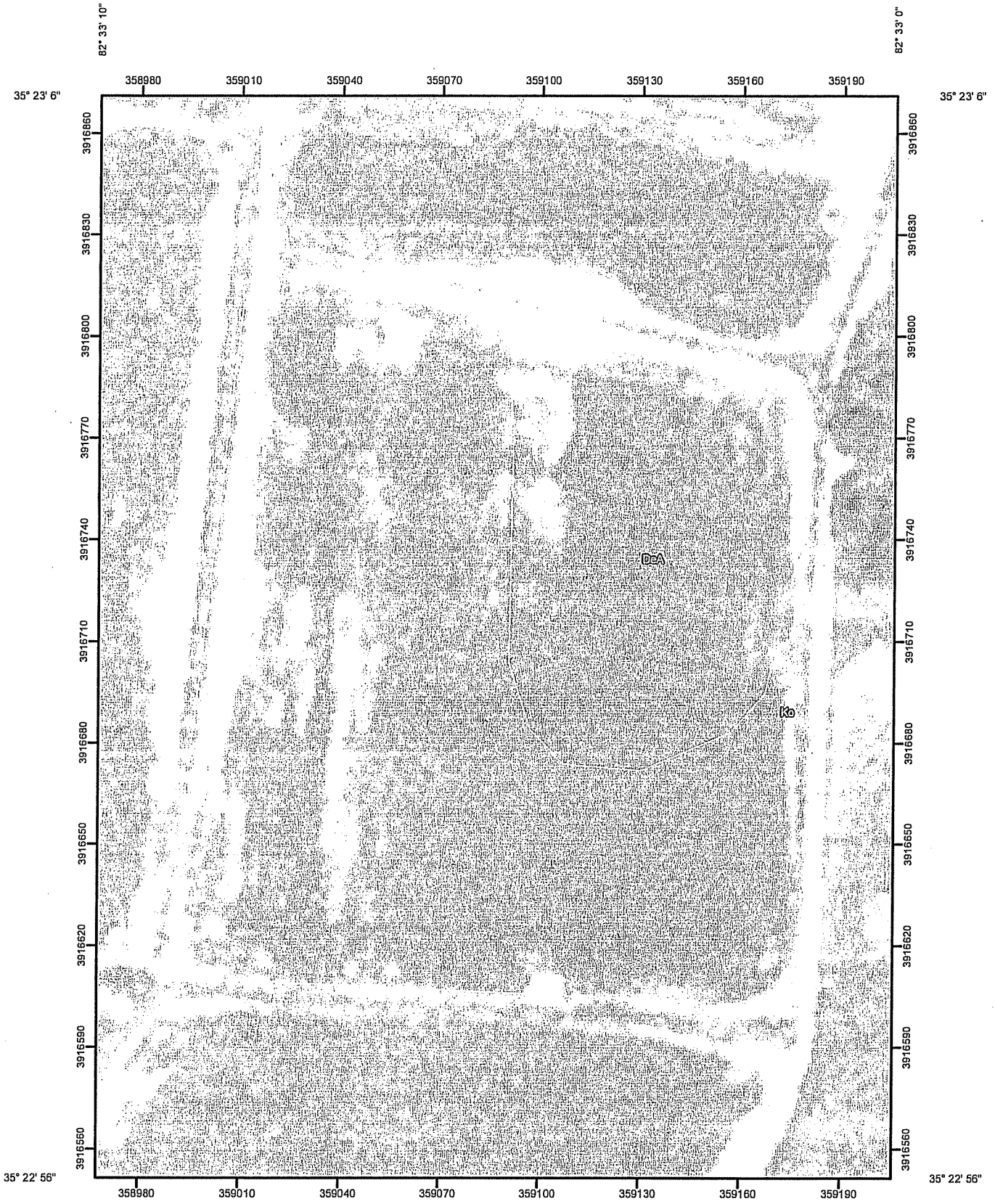
Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34172 Field 1)



USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

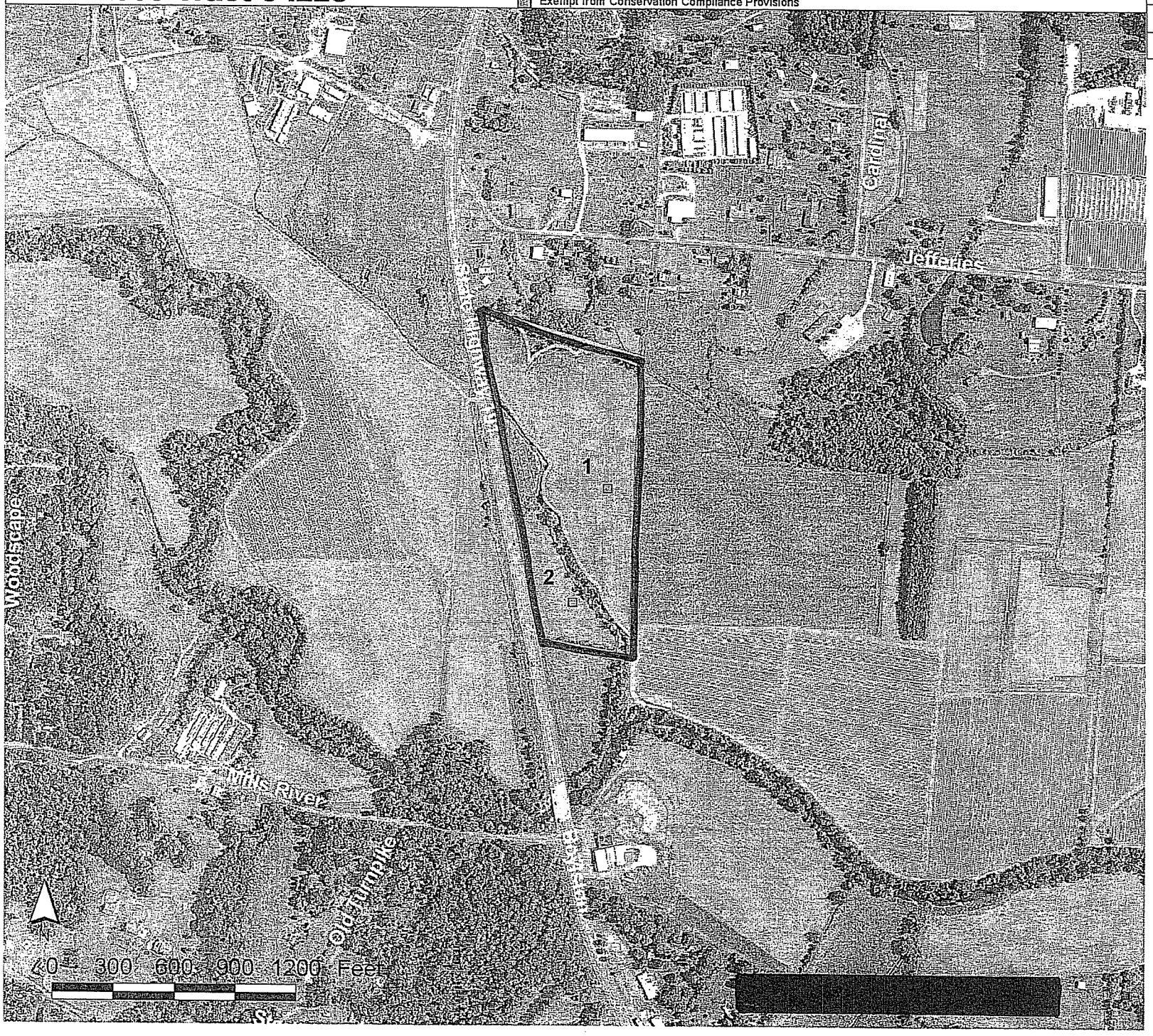
Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34172 Field 2)



Henderson County [redacted]
Farm 4009 Tract 34228

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

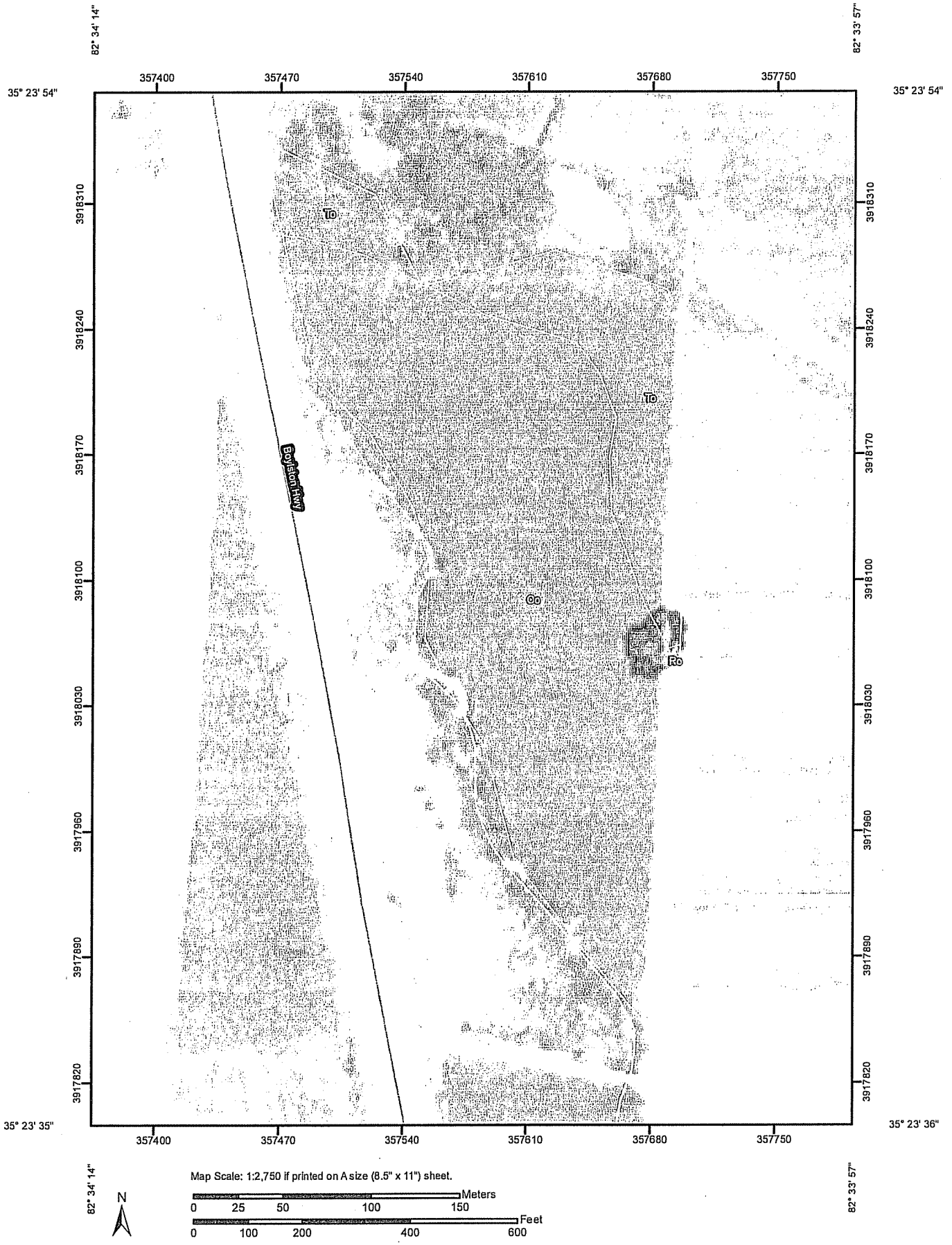
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Tract	Acres	Crop	HEL	CRP
1	14.17		N	
2	6.72		N	

Total Cropland Acres
20.9

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34228 Field 1)

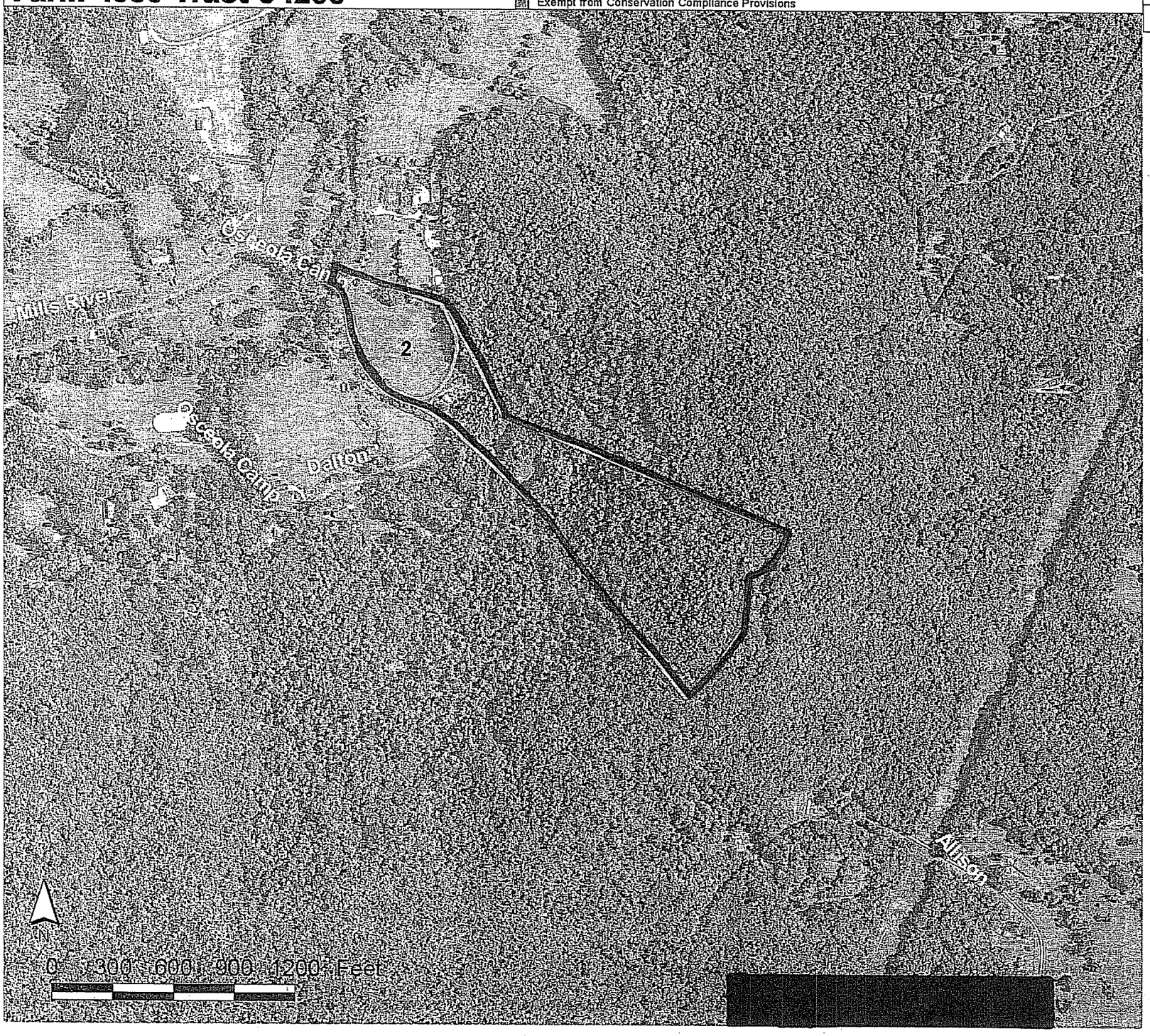


Henderson County [redacted]
Farm 4083 Tract 34295

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

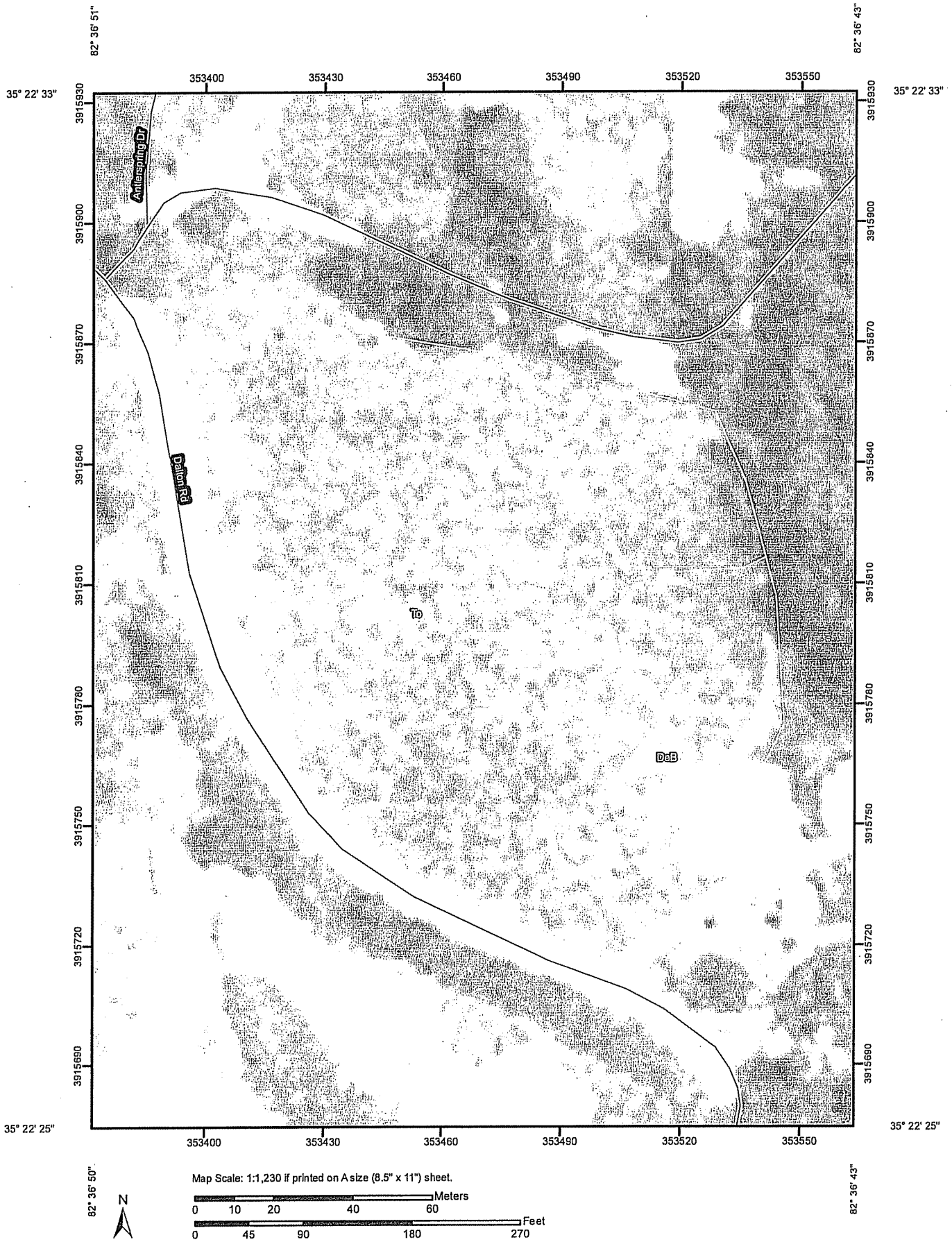
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Tract	Acres	Crop	HEL	CRP
2	5.14			



Total Cropland Acres
5.1

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34295 Field 2)



Henderson County [redacted]
Farm 4394 Tract 34492

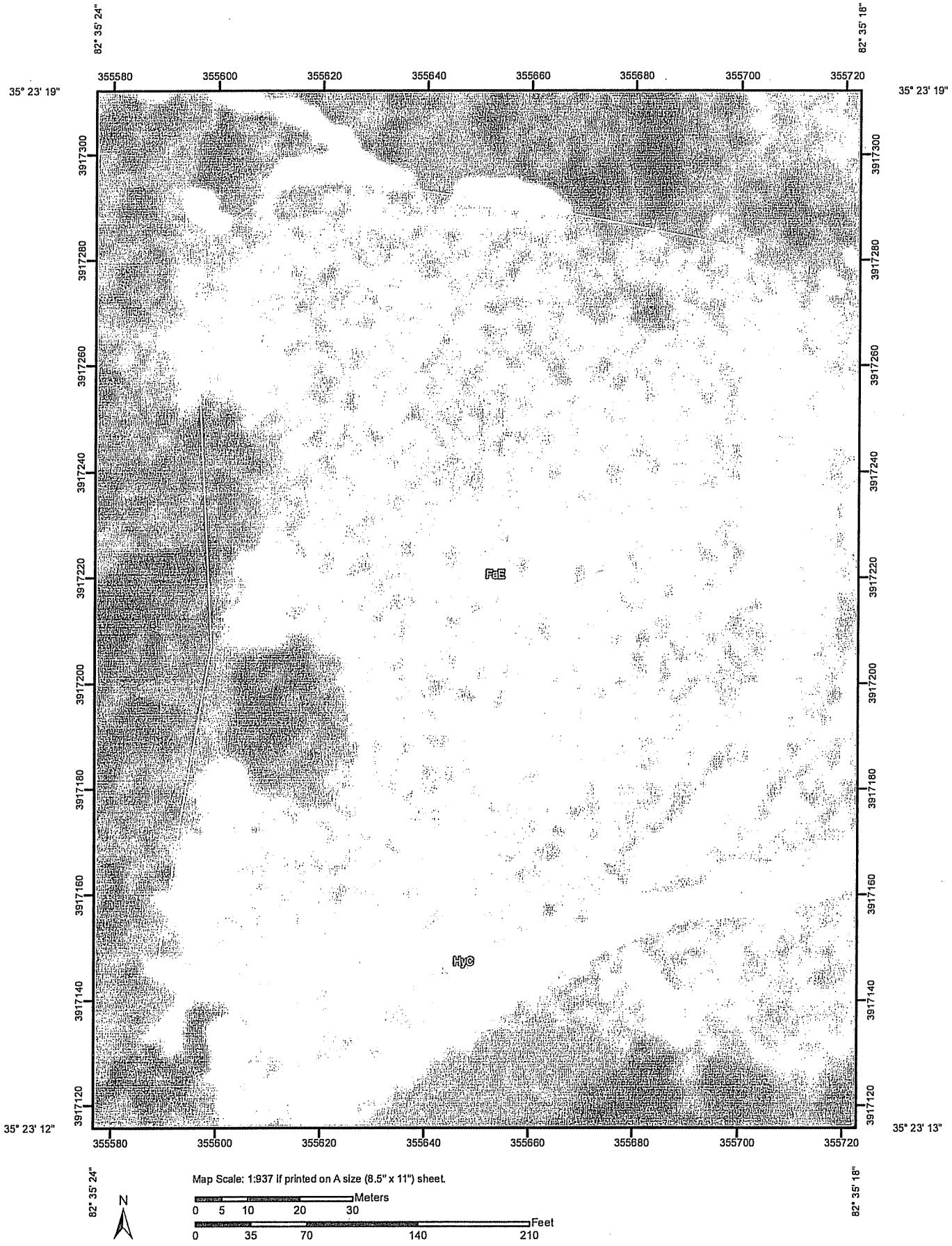
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

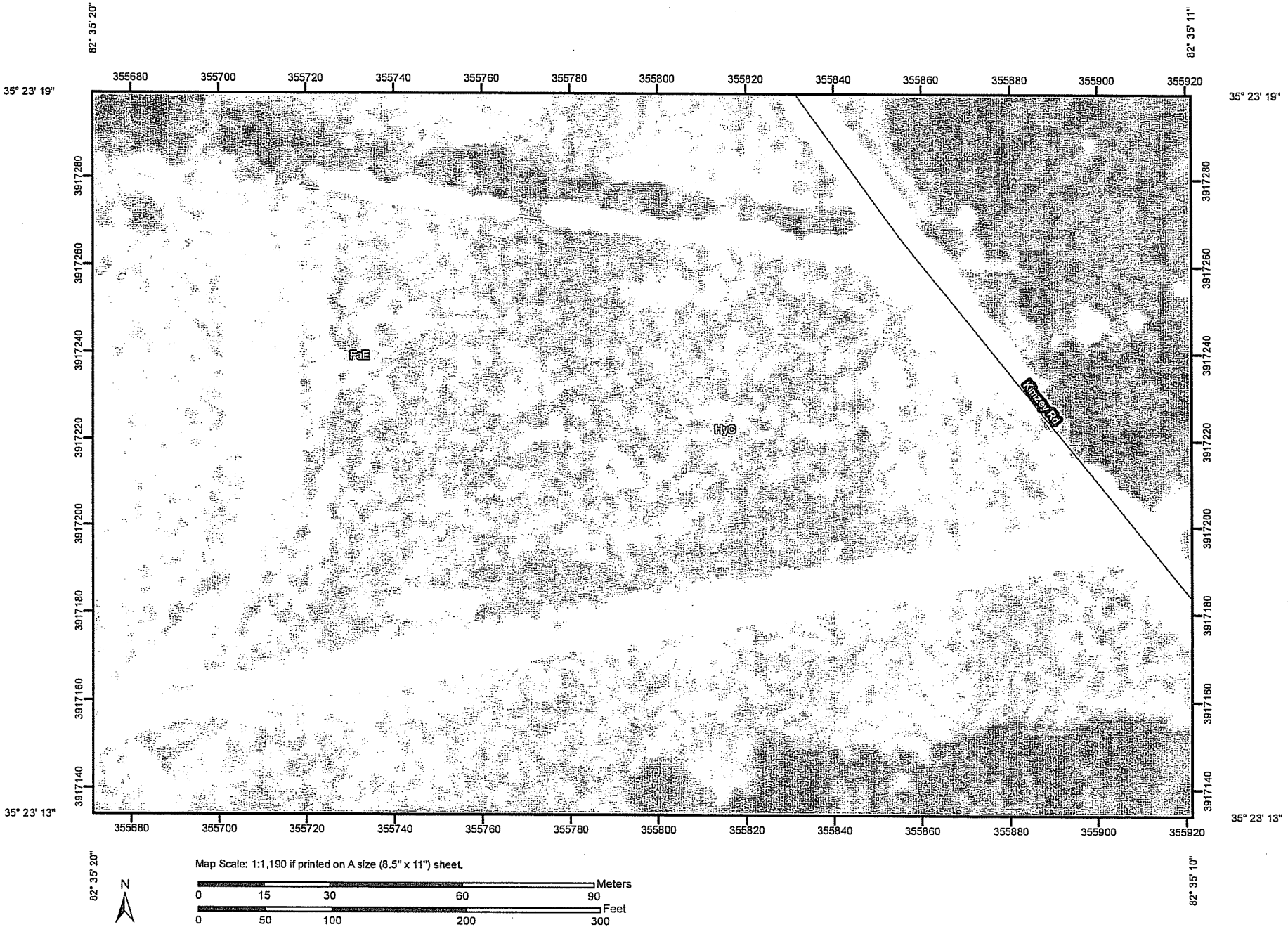
Fld	Acres	Crop	HEL	CRP
1	4.04			
2	3.47			
3	2.05			

Total Cropland Acres
9.6

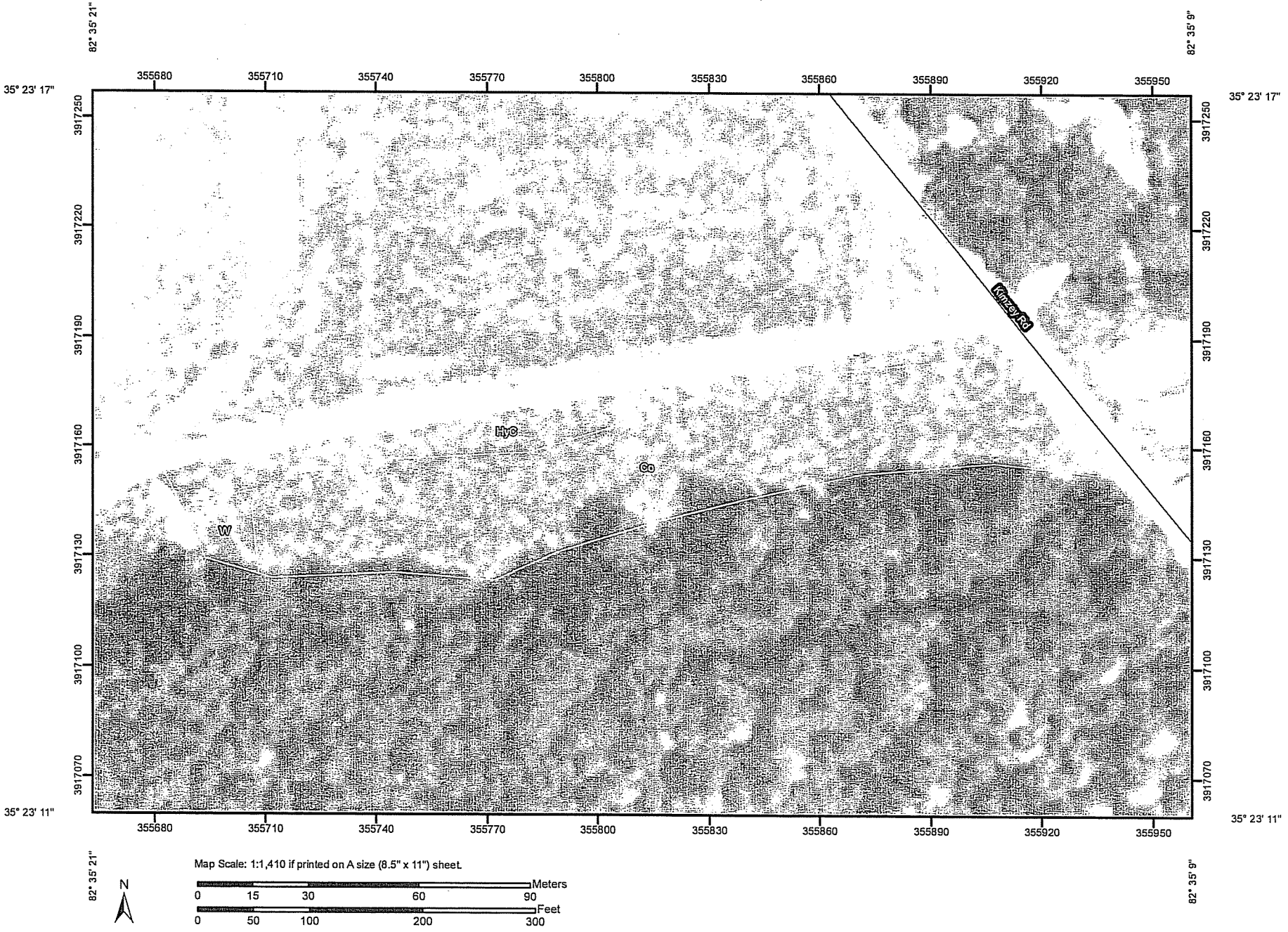
Soil Map—Henderson County, North Carolina
(Small Acre Dairy Tr 34492 Field 1)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34492 Field 2)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 34492 Field 3)



Henderson County [redacted]
Farm 440 Tract 544

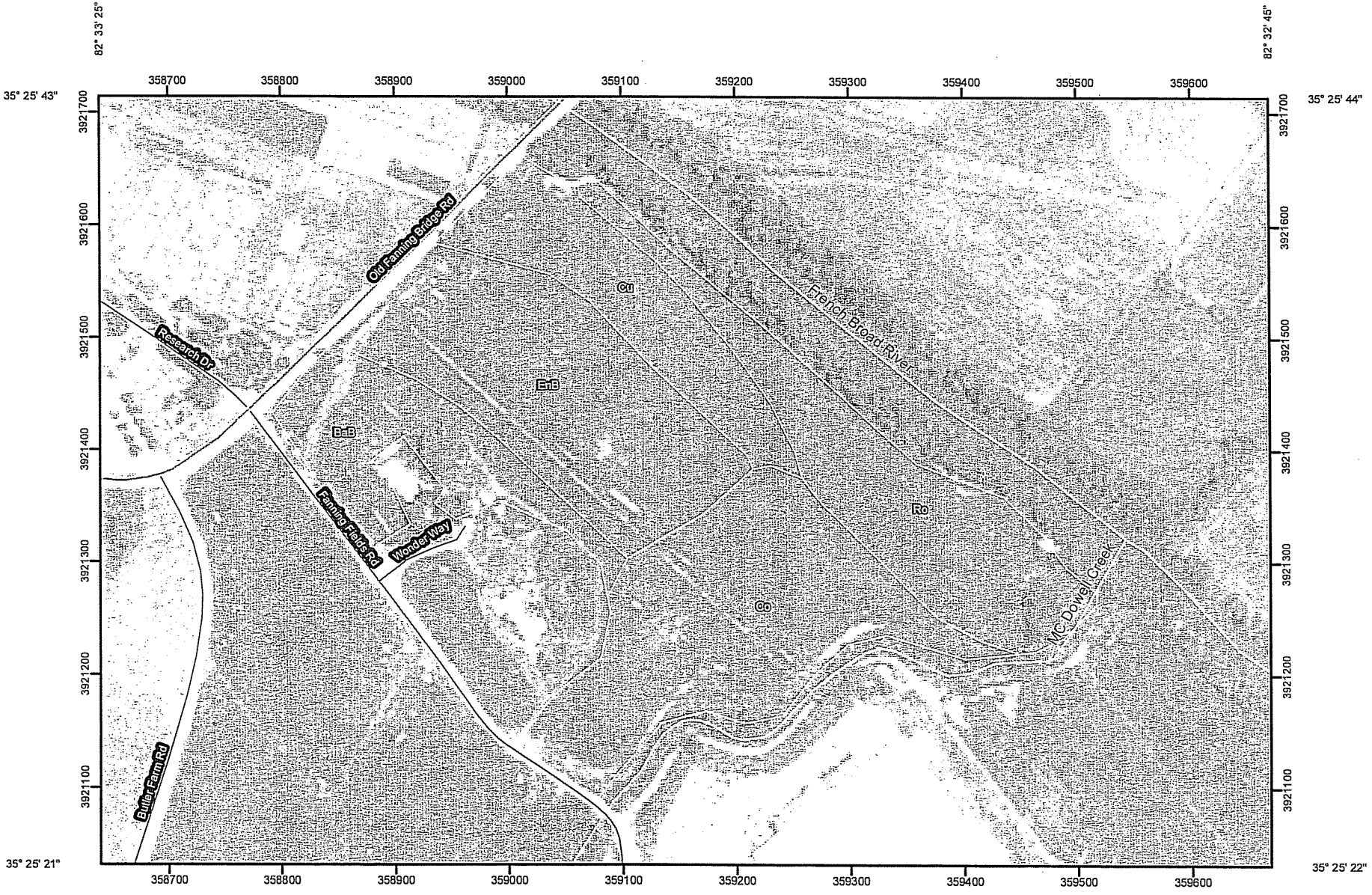
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Tract	Acres	Crop	HEL	CRP
1	46.40		N	
2	3.39			
3	22.07		N	
4	13.93		N	
5	5.41		N	
7	7.28		Y	
8	1.48		Y	
11	15.77		Y	
12	3.77			
14	6.66		N	
15	7.81		N	
16	9.72		N	
17	11.61		Y	
18	16.74		Y	
19	4.45			

Total Cropland Acres
176.5

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 544 Field 1)



Henderson County [redacted]
Farm 3409 Tract 547

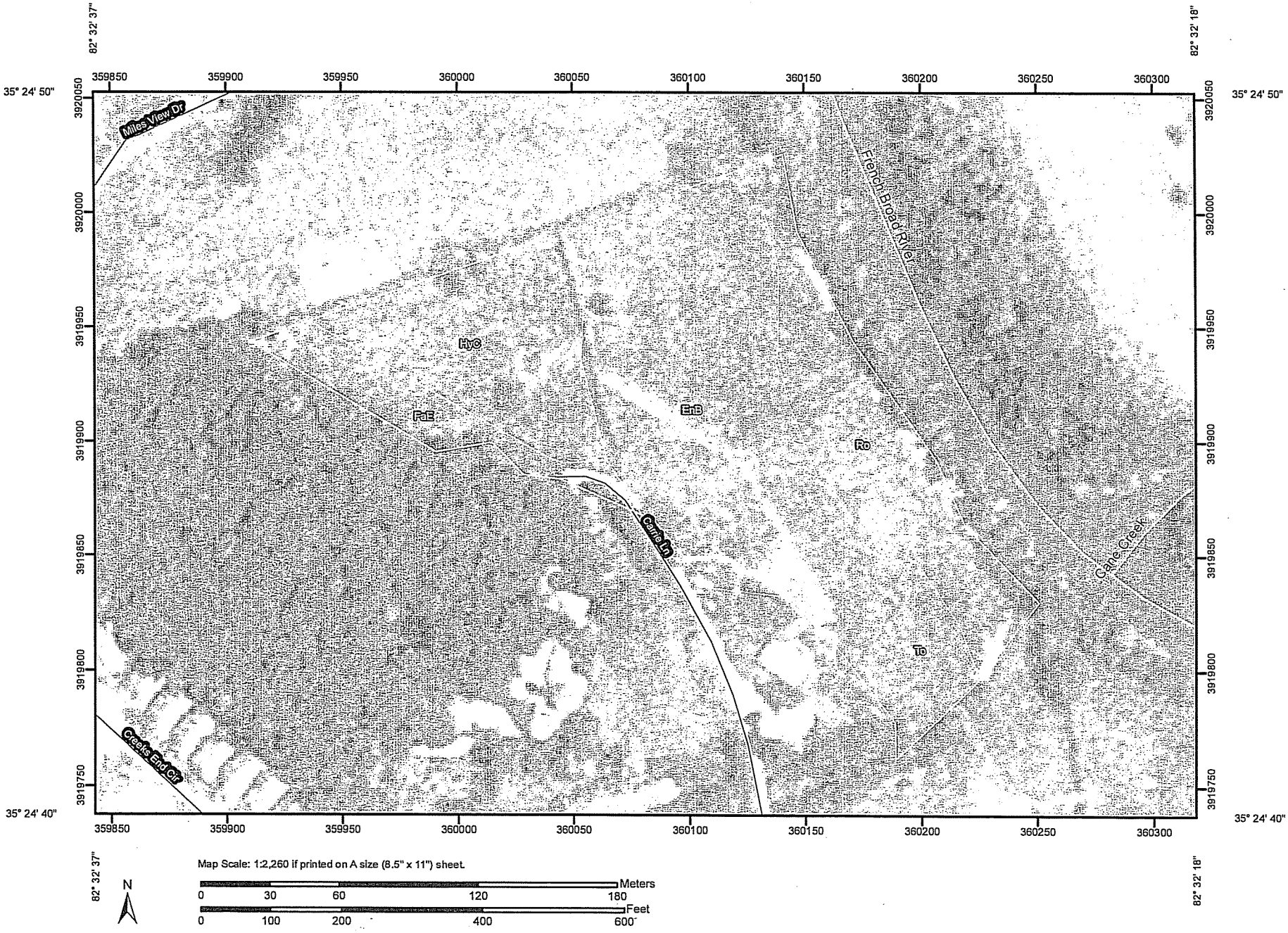
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Tract	Acres	Crop	HEL	CRP
1	9.59		N	
2	2.20		Y	

Total Cropland Acres
11.8

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 547 Field 1)



Henderson County [redacted]
Farm 3890 Tract 549

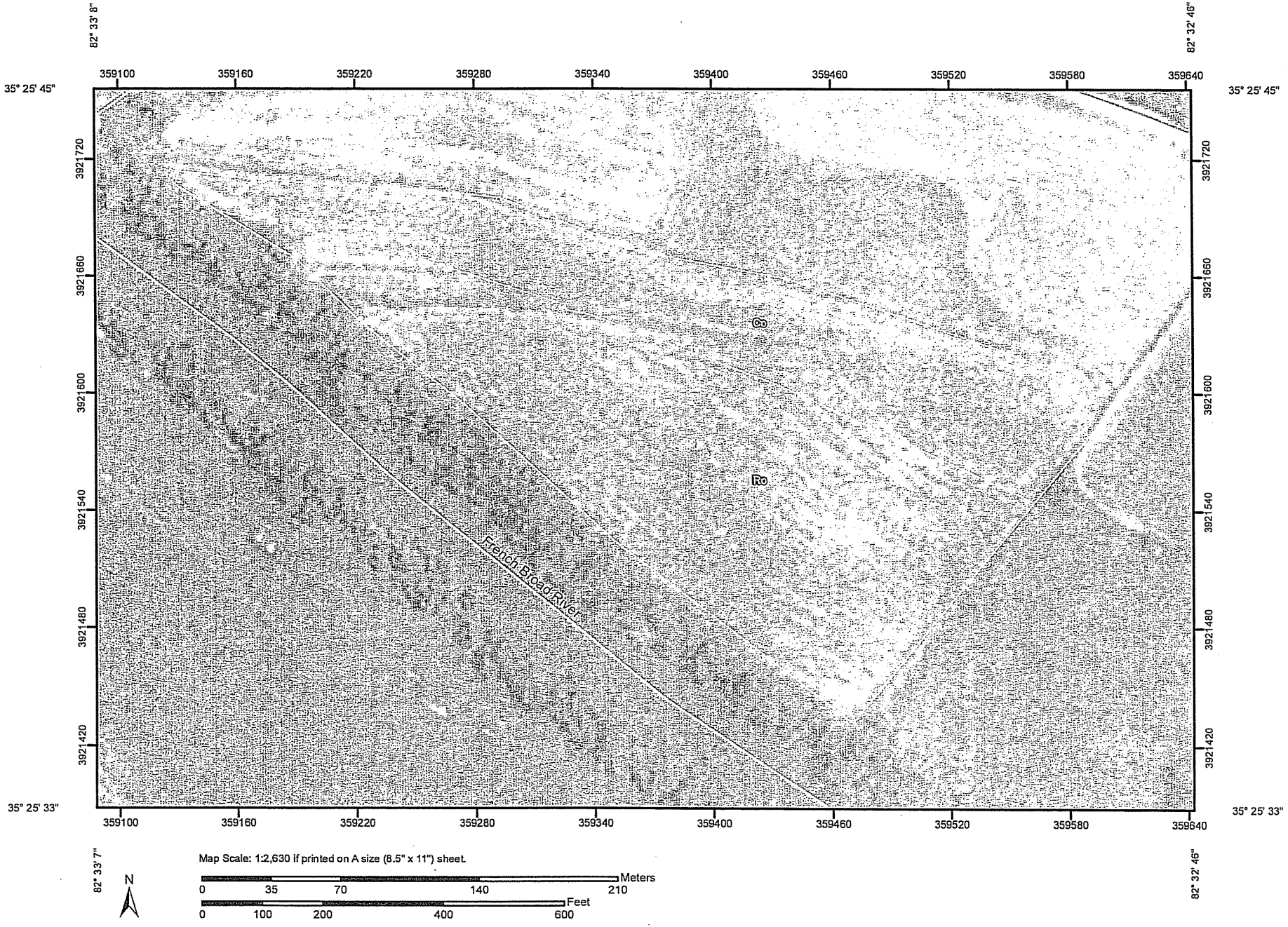
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

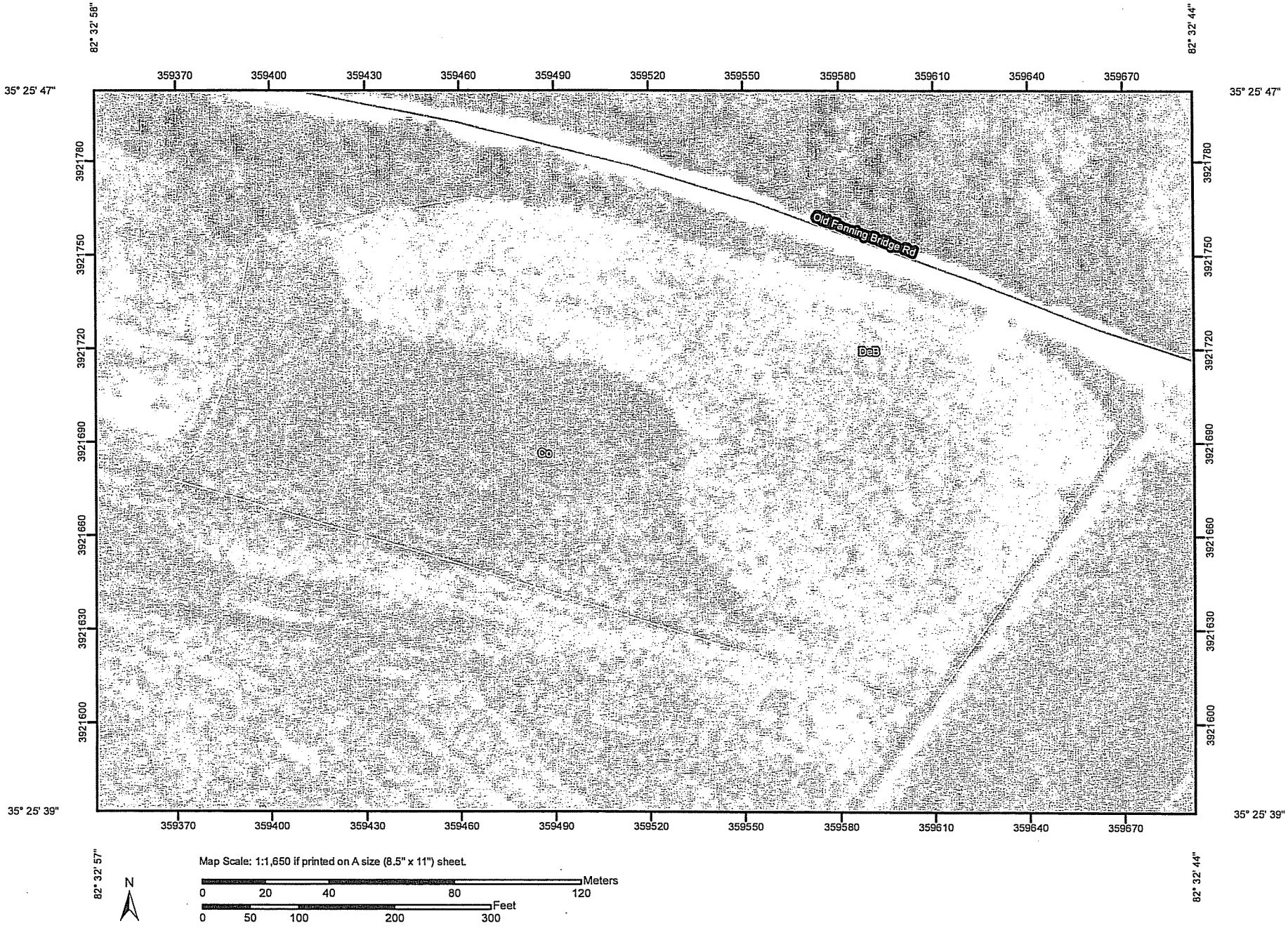
Tract	Acres	Crop	HEL	CRP
1	13.71			
2	7.72			
3	4.76			

Total Cropland Acres
26.2

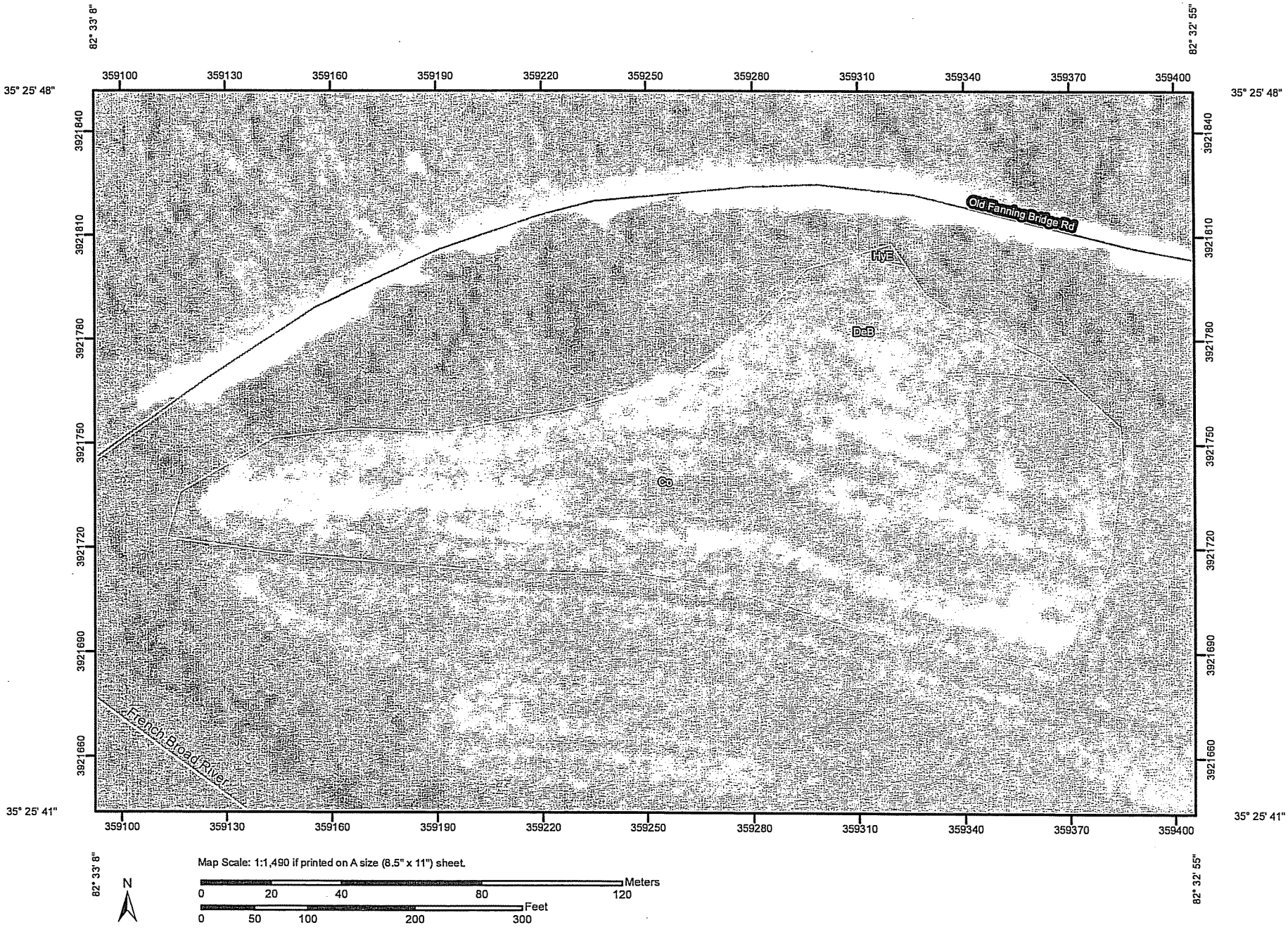
Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 549 Field 1)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 549 Field 2)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 549 Field 3)



Map Scale: 1:1,490 if printed on A size (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Henderson County [redacted]
Farm 4445 Tract 580

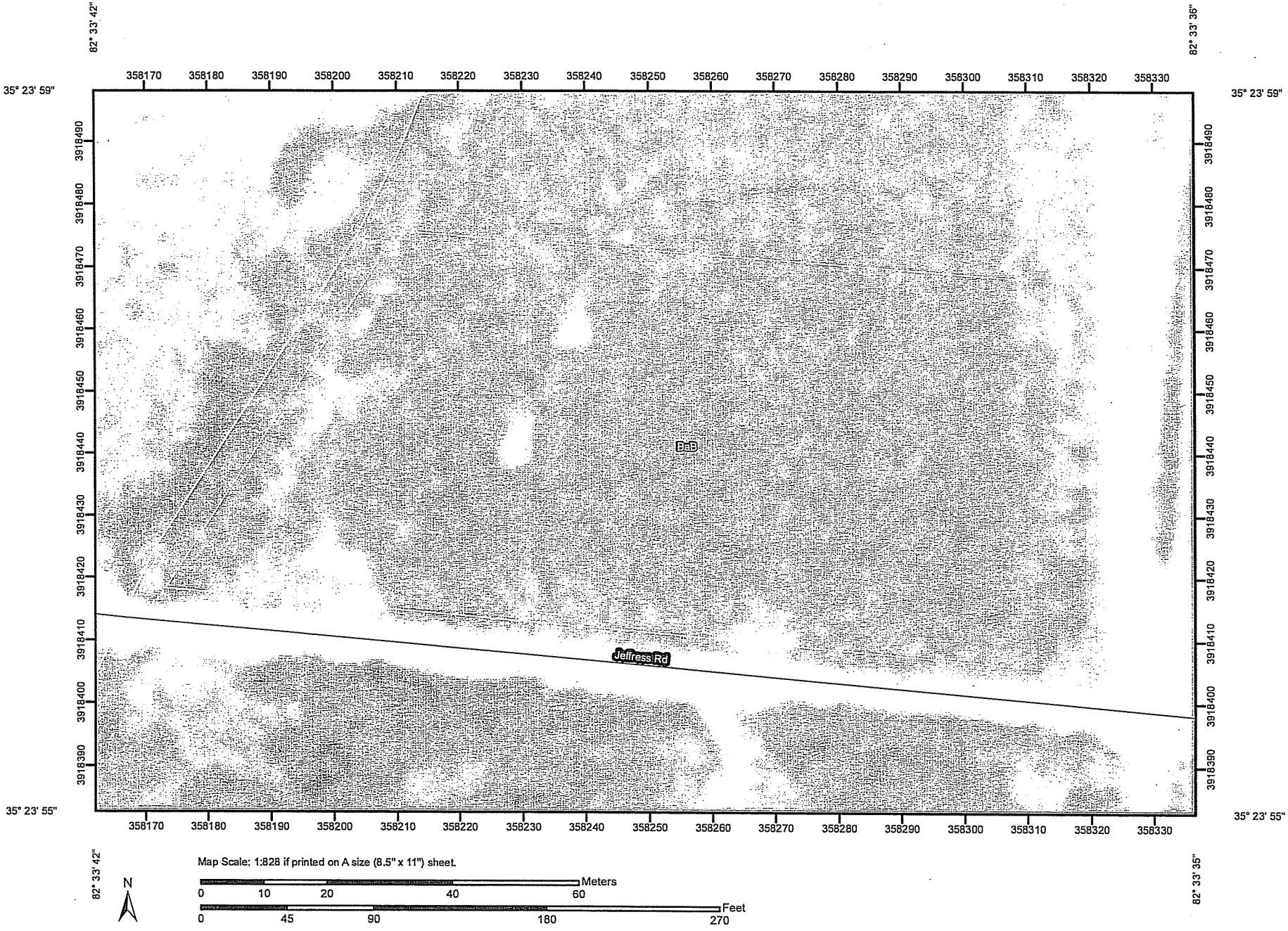
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

	Acres	Crop	HEL	CRP
2	4.02		N	
3	4.92		N	
5	1.61			
6	28.78		N	

Total Cropland Acres
39.3

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 580 Field 5)



USDA Natural Resources Conservation Service

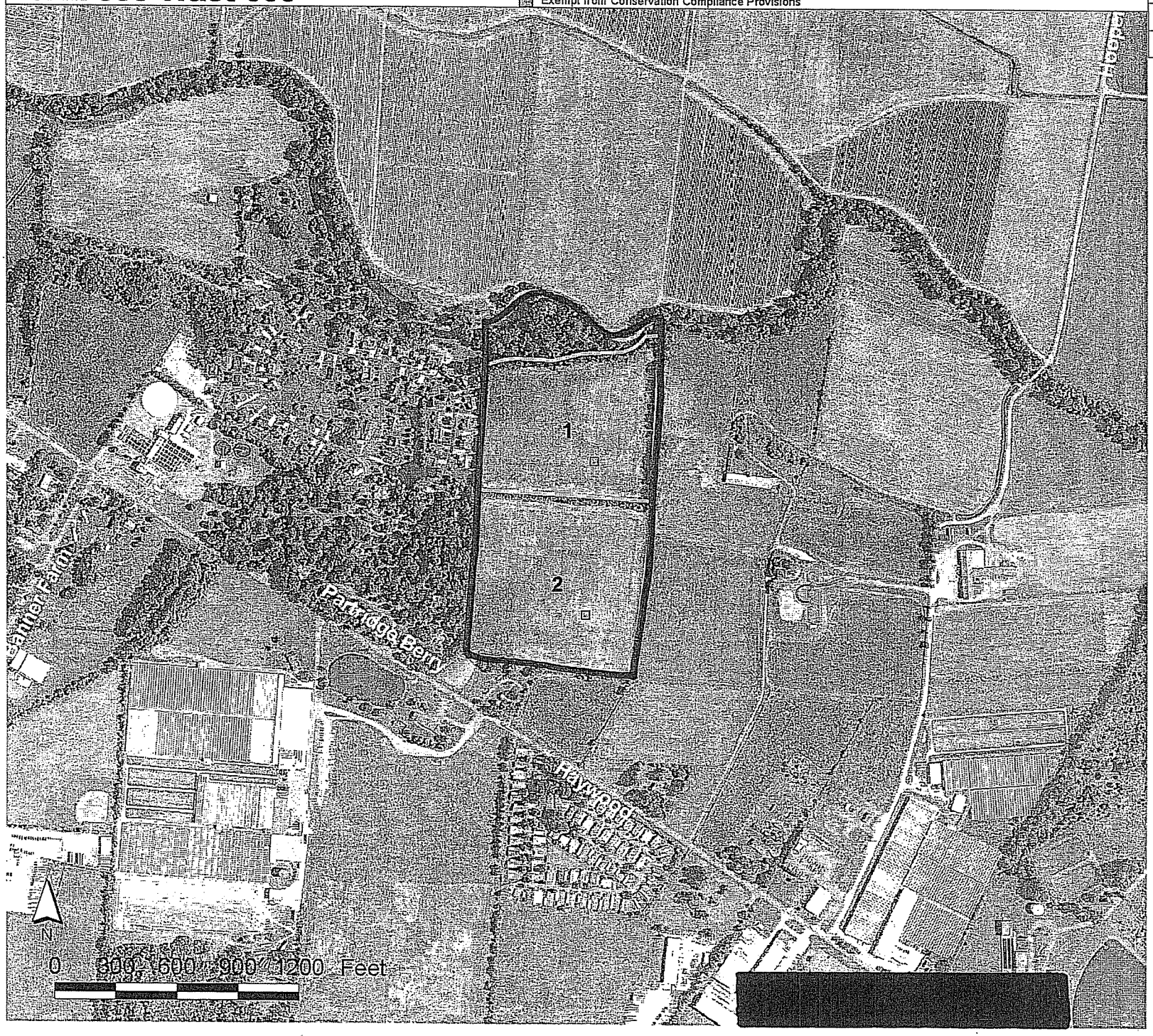
Web Soil Survey
National Cooperative Soil Survey

Henderson County [redacted]
Farm 556 Tract 605

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

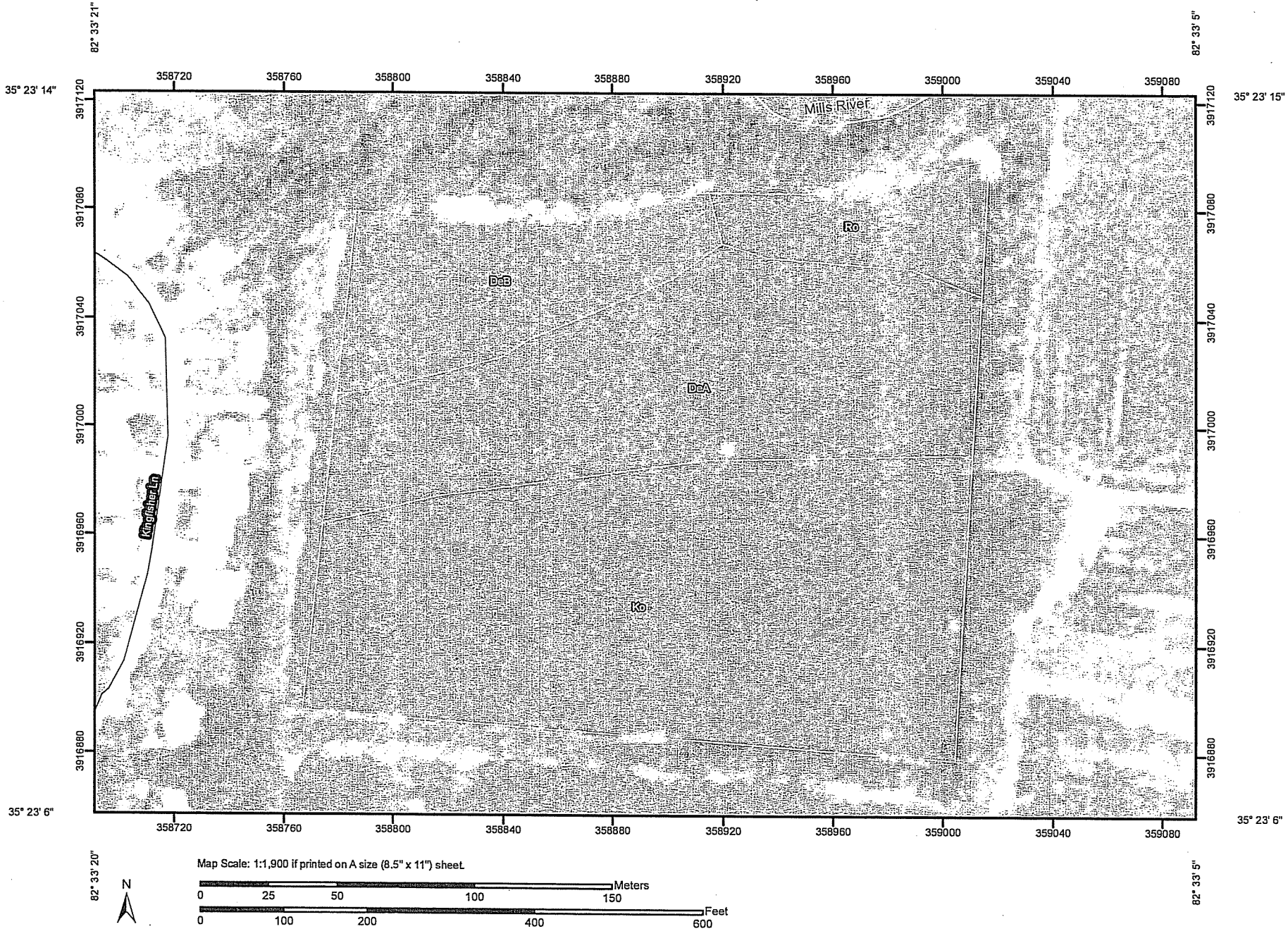
Disclaimer: Wetland Identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

	Acres	Crop	HEL	CRP
1	13.66		N	
2	16.25		N	

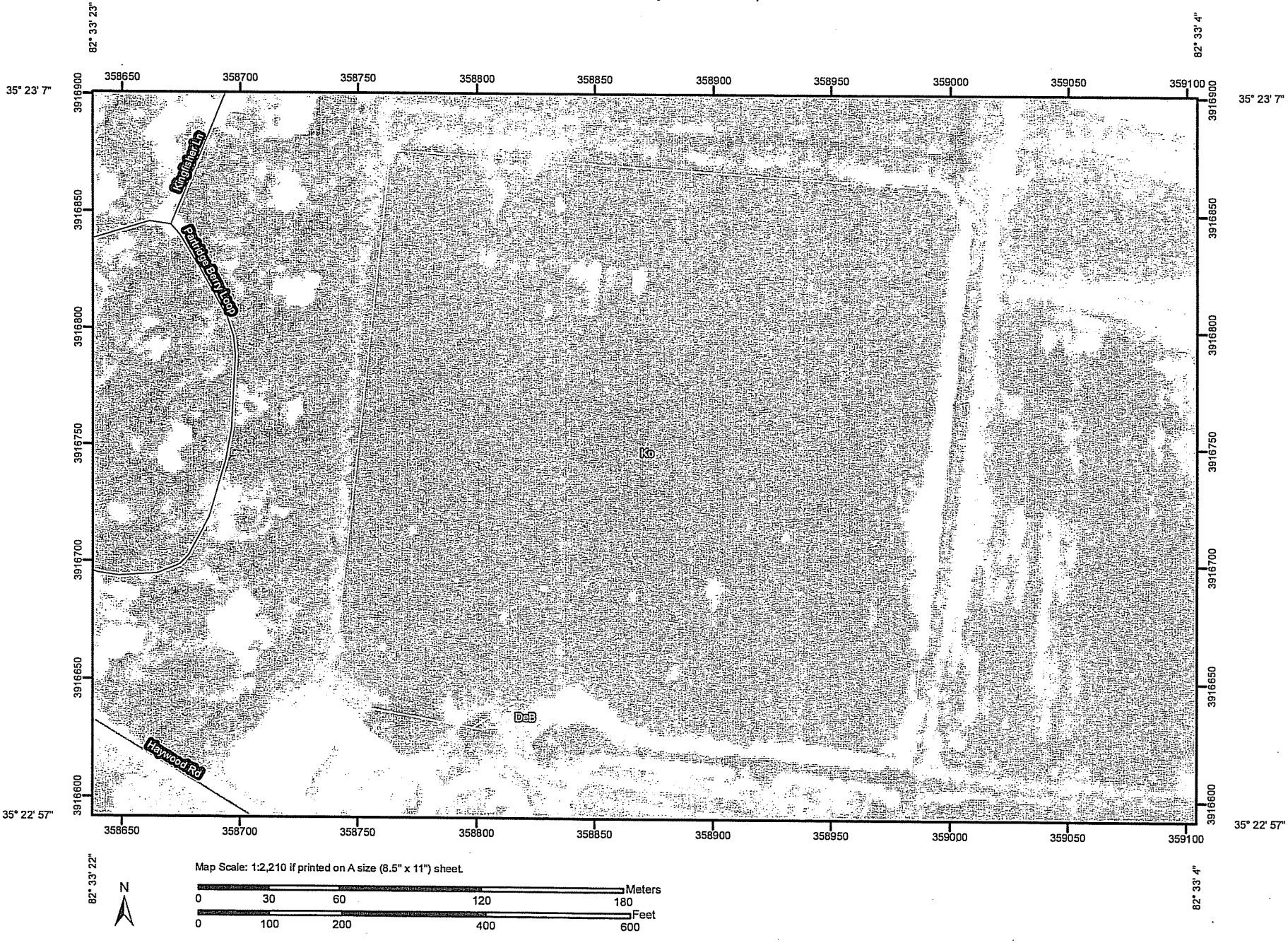


Total Cropland Acres
29.9

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 605 Field 1)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 605 Field 2)



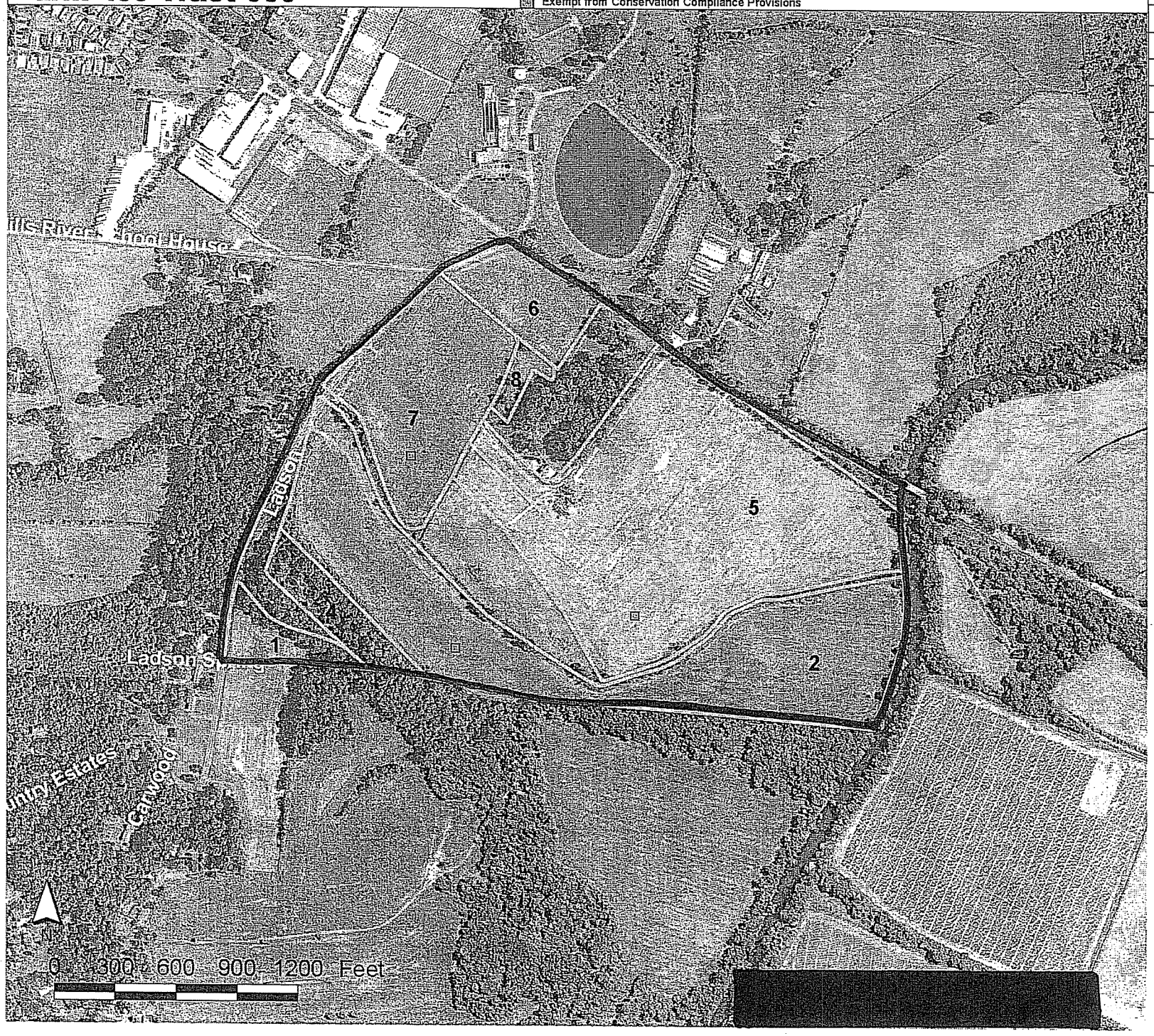
USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Henderson County [redacted]
Farm 469 Tract 639

Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

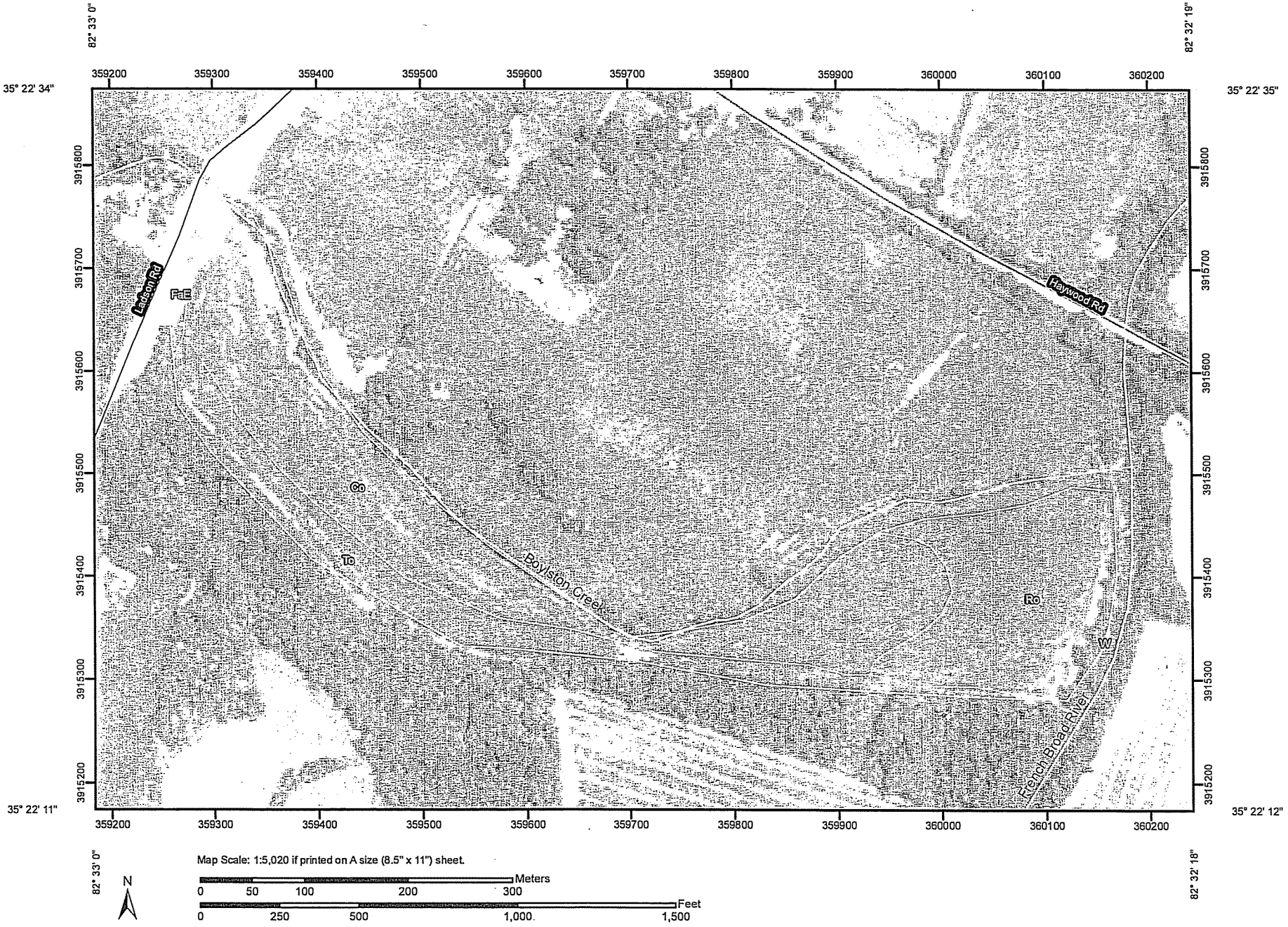
Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



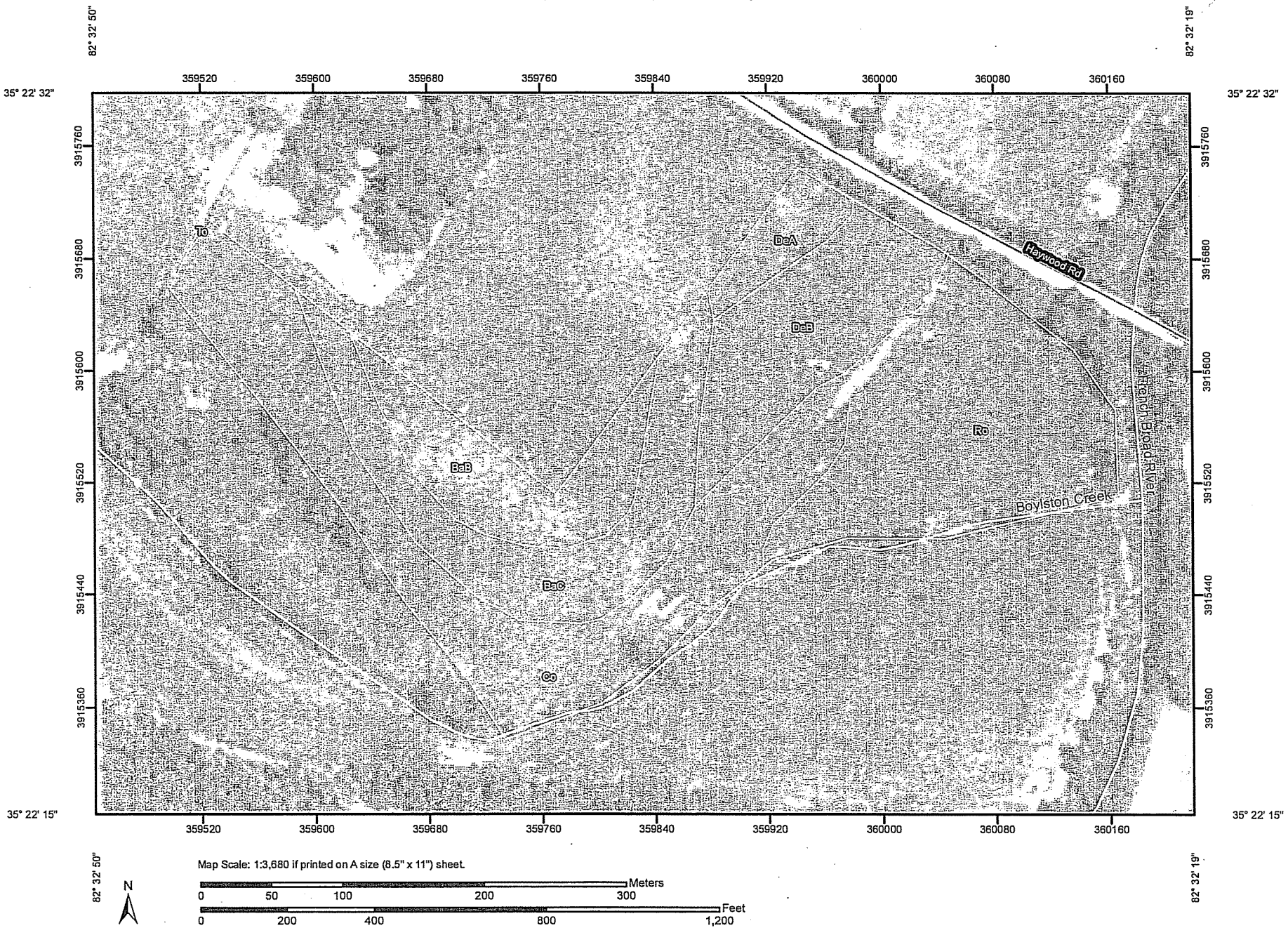
Tract	Acres	Crop	HEL	CRP
1	2.83		Y	
2	32.49		N	
4	3.87			
5	31.84		N	
6	5.54		N	
7	14.13		N	
8	1.10			

Total Cropland Acres
91.8

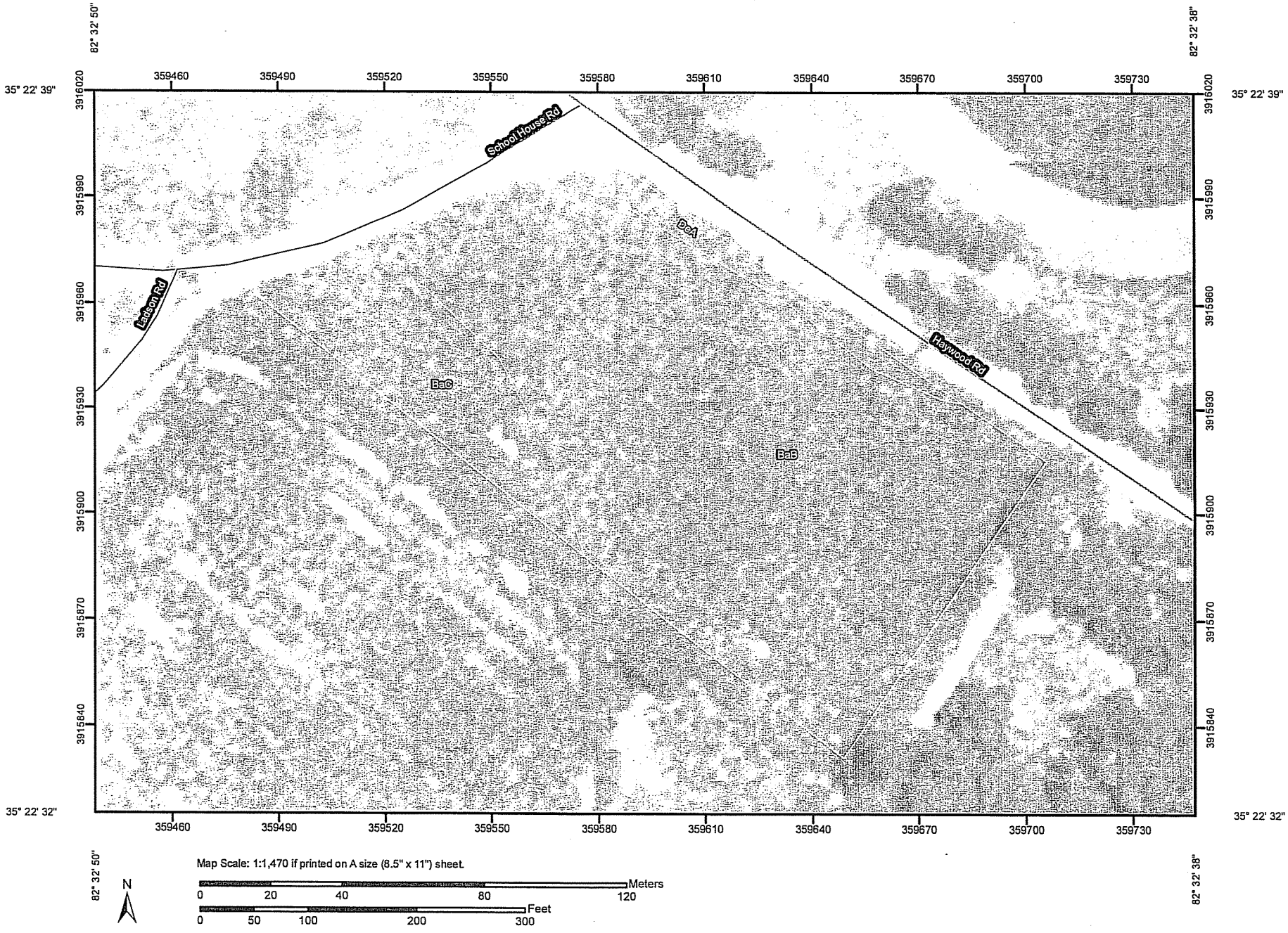
Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 639 Field 2)



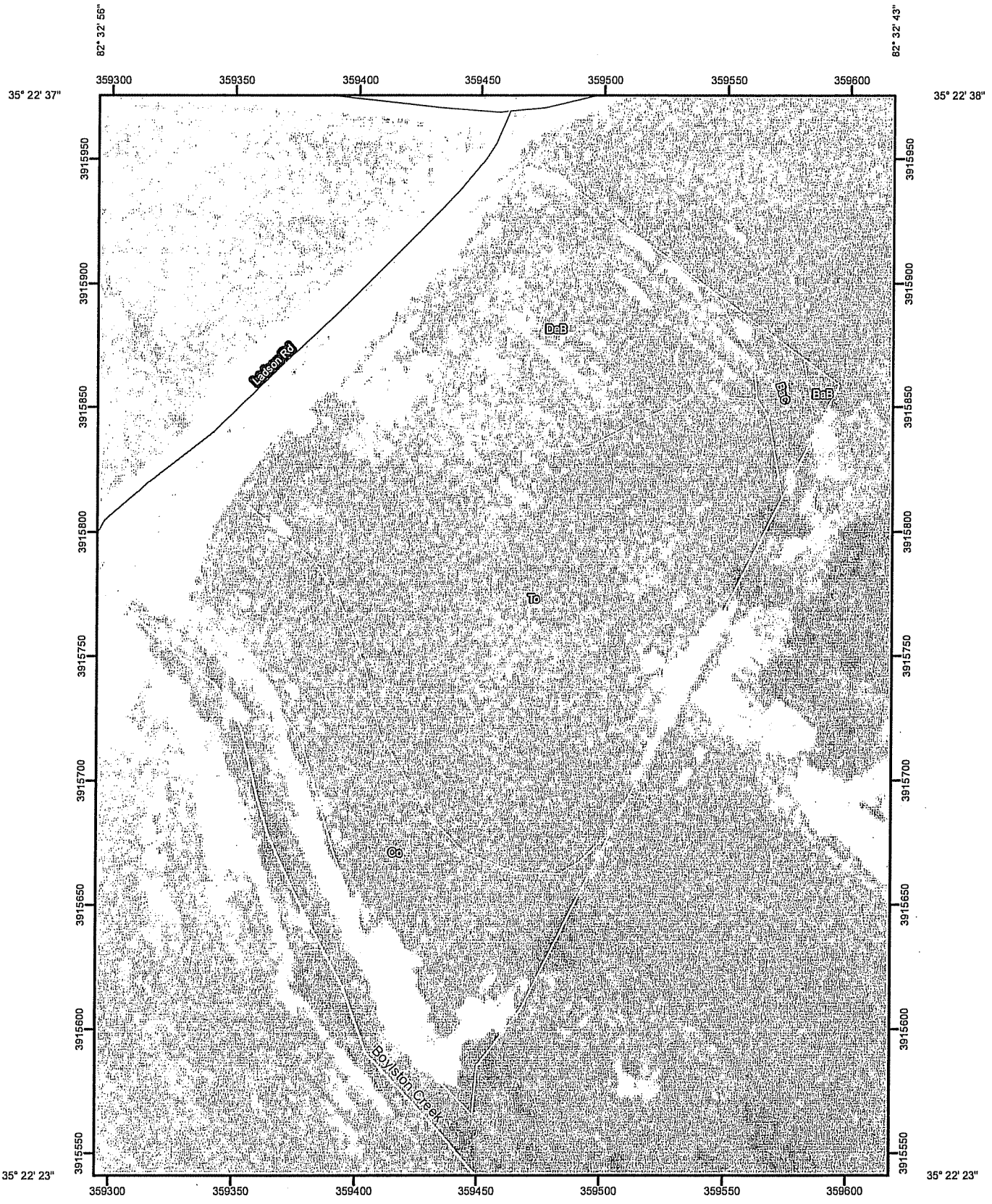
Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 639 Field 5)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 639 Field 6)



Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 639 Field 7)



Henderson County [redacted]
Farm 4324 Tract 859

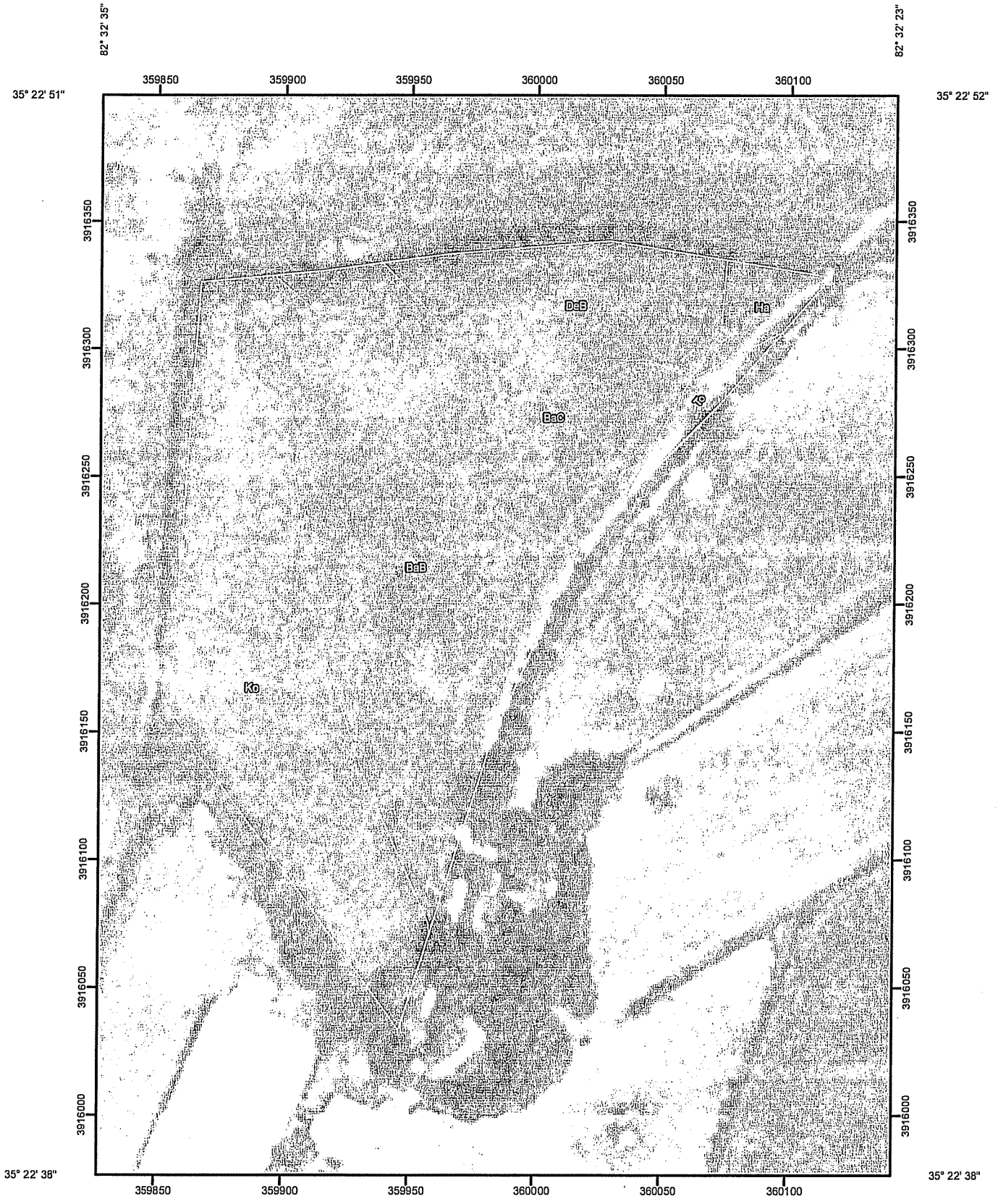
Wetland Determination Identifiers
- Restricted Use
- Limited Restrictions
- Exempt from Conservation Compliance Provisions

Disclaimer: Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.

Tract	Acres	Crop	HEL	CRP
1	7.05		N	
2	16.62		N	
3	14.45		N	
4	20.23		N	
5	11.13		N	
6	6.61		N	
7	7.89		N	
8	1.36		N	

Total Cropland Acres
85.3

Soil Map—Henderson County, North Carolina
(Small Acres Dairy Tr 859, Field 5)



Map Scale: 1:2,020 if printed on A size (8.5" x 11") sheet.

N

Meters
0 15 30 60 90

Feet
0 50 100 200 300

STATIONARY GUN SYSTEM
FIELD DATA WORKSHEET *

1. Gun make and model number NELSON BIG GUN, MODEL 150
2. Gun nozzle size 1.1" [inch], _____ ring orifice, ✓ taper bore orifice
3. Lateral spacing 180' [feet] by gun spacing along lateral 180' [feet]
4. Operating pressure at the gun 50 PSI [psi]
5. Gun wetted diameter 330' [feet]. _____ measured or ✓ determined from gun chart
6. Number of guns operating at one time 2 BIG GUNS
7. Total number of guns or gun locations in the system 4 GUN LOCATIONS

   Exterior guns: ✓ (FC) 4 full circle _____ part circle

   Interior guns: Ø full circle

   Gun locations permanently marked: _____ yes ✓ no
8. Supply line _____ Permanent pipe ALUMINUM (6" DIA) Portable pipe

**9. Lateral line size 6" [inch]. If there is more than one size, indicate the size and approximate length of each. Can be done on the map.

**10. Lateral line length _____ [feet]. (Longest lateral)

**11. Supply line size 6" [inch]. If there is more than one size, indicate the size and approximate length of each. Can be done on the map.

**12. Supply line length 660' [feet]. Maximum pumping distance.

**13. Pump make and model number AG RAIN FRT 94/35

**14. Pump capacity 500 GPM @ 100 PSI (MAPPED OR SPEED = 2000 RPM) [gpm]

**15. Engine make and model number PTO - DRIVEN, or

**16. Electric motor horsepower and rpm N/A [hp] N/A [rpm]

Note: It is strongly recommended that you field measure the gun wetted diameter. It should be done on the longest lateral about half-way down the lateral.

* Locate each gun or gun location on the map. Indicate whether it is full circle or part circle. Show the location of the supply line. Irrigated acres are determined by lateral line, by zone, or by field.

** Optional data, furnish where possible

*** Information furnished by

_____ and/or _____

Signature of owner or facility representative — Signature of technical specialist

_____ _____

Printed name of owner or facility representative — Printed name of technical specialist

Date _____ Date MARCH 30, 2007

NORTH CAROLINA PROFESSIONAL SEAL 021676 ENGINEER JEFFREY L. YOUNG

*** Only the person or people collecting the data should sign the Field Data Worksheet.

STATIONARY SPRINKLER /GUN SYSTEM
WETTABLE ACRE COMPUTATIONAL WORKSHEET

1. Farm number (identification) 45-7 Field number (identification) SPRAYFIELD

2. Irrigation system designation ✓ Existing irrigation system

   _____ New/expanded irrigation system

3. Number of stationary sprinklers _____ # Interior sprinklers 4 # Exterior sprinklers (2 GUNS / ALTERNATING)

4. Wetted diameter 330' [feet] from Field Data Worksheet

5. Spacing 180' Sprinkler spacing along lateral [feet]

   180' Sprinkler spacing as a percentage of wetted diameter

6. Sprinkler pattern _____ Multiple laterals ✓ Single lateral

   _____ Excessively spaced sprinklers

7. Read the irrigated area per sprinkler for the given wetted diameter from the appropriate table and column based on pattern, spacing, and sprinkler location.

   _____ Acres per interior sprinkler from Table _____ Column _____

   1.15 Acres per exterior sprinkler from Table 2 Column F

8. Multiply the tabulated irrigated acreage value per sprinkler by the number of sprinklers of each category in the field. Add all of these. The sum is the total irrigated acreage for the field.

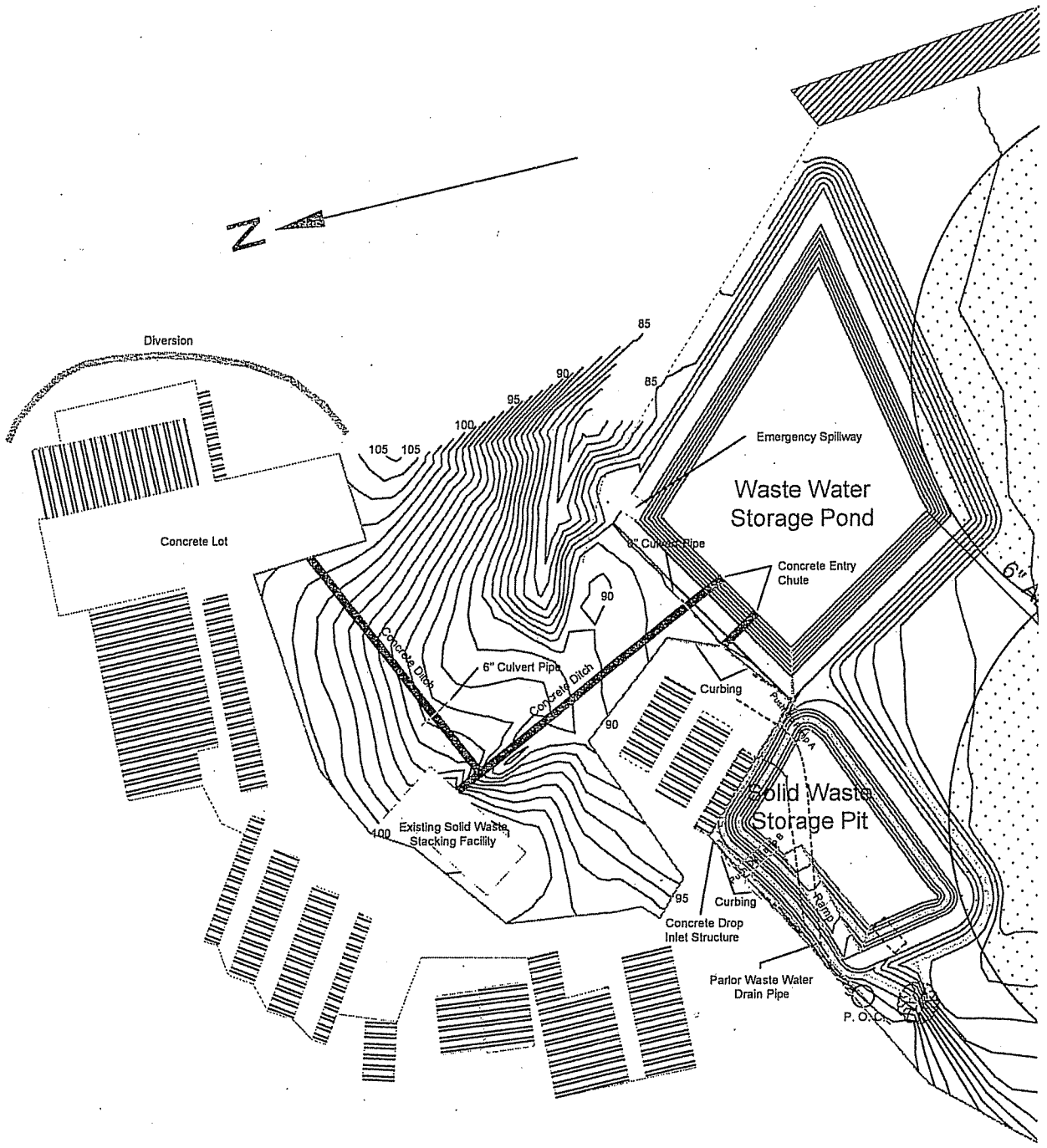
   _____ (a) Acres per interior sprinkler X _____ # Sprinklers = _____ Acres

   1.15 (b) Acres per exterior sprinkler X 4 # Sprinklers = 4.6 Acres

   4.6 **Total wettable acres for field (Sum: 8a + 8b)**

Wettable Acre Computational Worksheet completed by: _____ Date: MARCH 30, 2007
Signature of technical specialist

NORTH CAROLINA PROFESSIONAL SEAL 021676 ENGINEER JEFFREY L YOUNG

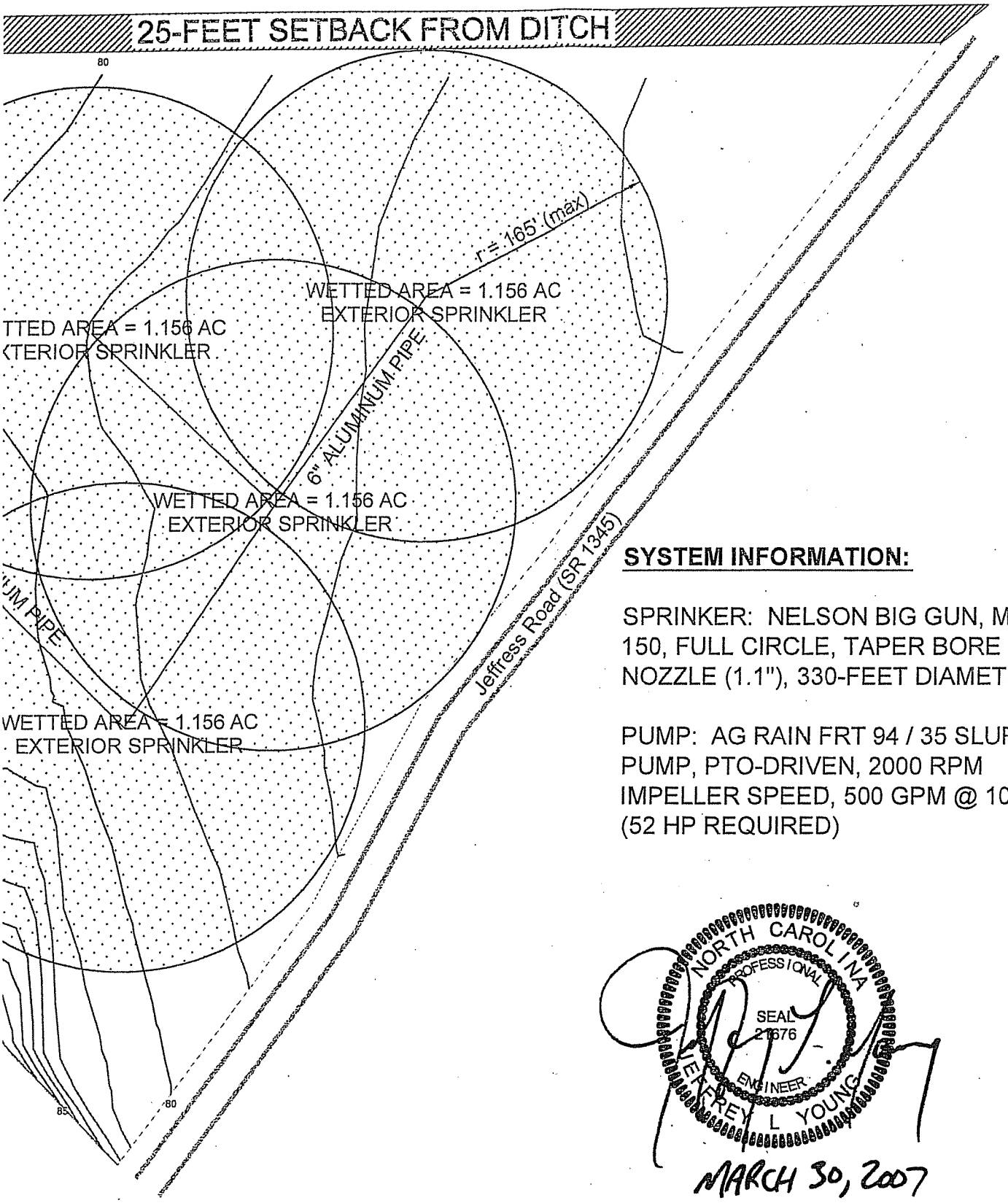


TOTAL WETTABLE ACRE = 4.6 ACRES

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF SOIL AND WATER CONSERVATION
ASHEVILLE REGIONAL OFFICE
2090 US HIGHWAY 70, SWANNANOA, NC 28778 PHONE: (828) 296-4500

WETTABLE ACRE DETE
SMALL ACRES D/

HENDERSON COUNTY, NORTH CAF



SYSTEM INFORMATION:

SPRINKER: NELSON BIG GUN, MODEL 150, FULL CIRCLE, TAPER BORE NOZZLE (1.1"), 330-FEET DIAMETER

PUMP: AG RAIN FRT 94 / 35 SLURRY PUMP, PTO-DRIVEN, 2000 RPM IMPELLER SPEED, 500 GPM @ 100 PSI (52 HP REQUIRED)

NORTH CAROLINA PROFESSIONAL SEAL 21676 ENGINEER JEFFREY L YOUNG

MARCH 30, 2007

INATION
Y

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1			
2			
3			
4			
5			

PROJECT #:	SCALE: 1 INCH = 20 FEET
DRAWN BY: J.YOUNG	DATE: MARCH 15, 2007
CHECKED BY:	DATE:
SHEET NO. 1 OF 1	FILENAME: WET_ACRE.DWG