Phosphorus Loss Assessment Tool Completion

Name of Facility: GODWIN FARMS Facility Number: 82 - 225

Owner(s) Name: THOMAS GODWIN Phone No: 910 - 564 - 6408

Mailing Address: 2476 SHARE CAKE RD. CLINTON NC 28328

Check the appropriate box below, and sign at the bottom:

☒ **No** fields received a high or very high rating.

☐ **Yes,** the fields listed below received a high or very high rating:

Field Number	Size (Acres)	Rating (High or Very High)

Please use as many additional attachment forms (PLAT-A-12-15-05) as needed for additional fields.

By completing the above section and any additional attachments and by signing this form, the facility owner and Technical Specialist acknowledge all application fields were evaluated using the Phosphorus Loss Assessment Tool. All necessary calculations were completed to conduct the Assessment. A copy will be kept on site with the Certified Animal Waste Management Plan. Any future modifications must be approved by a technical specialist and filed with the Soil and Water Conservation District prior to implementation. Waste plans with fields having a high or very high rating will have to be modified to address phosphorus loss by the next permit cycle beginning July, 2007.

Owner Name: THOMAS GODWIN

Owner Signature: [signature] Date: 9/19/11

Technical Specialist Name: G. GLENN CLIFTON

Technical Specialist Signature: [signature] Date: 9/19/11

Affiliation: PRESTAGE FARMS, INC. Phone No: 910-596-5749

Submit this form to:
NC Division of Water Quality
Aquifer Protection Section
Animal Feeding Operations Unit
1636 Mail Service Center
Raleigh, NC 27699-1636

RECEIVED / DENR / DWQ
AQUIFER PROTECTION SECTION
SEP 21 2011

NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 9:48:33 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	13094
Field Number:	1
Soil Series:	WaB: Wagram loamy sand, 0 to 6 percent slopes
Crop:	Hybrid Bermudagrass (Hay) :
BMPs:	Buffer Width Width = 25 ft.
Fertilizers:	Broiler-house litter
	Yearly Applied Amount: 15 ton
	Lb P2O5: 26.9 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	490
WV_Factor (USER)	1.24
Soil Test 28" - 32"	11
WV_Factor (USER)	1.12
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	4
LEACHATE P	=	4
SOURCE P	=	2
TOTAL P RATING	=	10 (LOW)

NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 10:01:44 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	4404
Field Number:	1,2,3
Soil Series:	BoB: Blanton sand, 0 to 6 percent slopes
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 25 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	361
WV_Factor (USER)	1.33
Soil Test 28" - 32"	4
WV_Factor (USER)	1.25
Artificial Drainage System:	NO
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	5
LEACHATE P	=	1
SOURCE P	=	0
TOTAL P RATING	=	6 (LOW)

NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 10:16:16 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	12120
Field Number:	1 & 2
Soil Series:	BoB: Blanton sand, 0 to 6 percent slopes
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 15 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	364
WV_Factor (USER)	1.32
Soil Test 28" - 32"	3
WV_Factor (USER)	1.16
Artificial Drainage System:	NO
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	5
LEACHATE P	=	1
SOURCE P	=	0
TOTAL P RATING	=	6 (LOW)

NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 10:54:52 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	12122
Field Number:	1 & 2
Soil Series:	BoB: Blanton sand, 0 to 6 percent slopes
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 10 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	417
WV_Factor (USER)	1.42
Soil Test 28" - 32"	2
WV_Factor (USER)	1.15
Artificial Drainage System:	NO
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	5
LEACHATE P	=	1
SOURCE P	=	0
TOTAL P RATING	=	6 (LOW)

NCANAT Version: 2.04

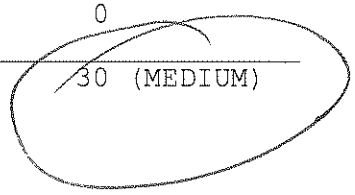
PLAT Results For: Sampson 09/01/2011 10:51:06 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	12121
Field Number:	1 & 2
Soil Series:	Jo: Johns fine sandy loam
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 10 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 3.5 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	414
WV_Factor (USER)	1.38
Soil Test 28" - 32"	7
WV_Factor (USER)	1.07
Artificial Drainage System:	NO
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	28
LEACHATE P	=	2
SOURCE P	=	0
TOTAL P RATING	=	30 (MEDIUM)



NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 11:05:20 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	4403
Field Number:	1 & 2
Soil Series:	Lm: Lumbee sandy loam
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 15 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	391
WV_Factor (USER)	1.13
Soil Test 28" - 32"	5
WV_Factor (USER)	1.11
Artificial Drainage System:	NO
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	15
LEACHATE P	=	2
SOURCE P	=	0
TOTAL P RATING	=	17 (LOW)

NCANAT Version: 2.04

PLAT Results For: Sampson 09/19/2011 10:15:55 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	4405
Field Number:	1 & 2
Soil Series:	Jo: Johns fine sandy loam
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 15 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	575
WV_Factor (USER)	15
Soil Test 28" - 32"	1.31
WV_Factor (USER)	1.18
Artificial Drainage System:	NO
Hydrologic Condition:	FAIR

OUTPUTS

PARTICULATE P	=	0
SOLUBLE P	=	5
LEACHATE P	=	0
SOURCE P	=	0
TOTAL P RATING	=	5 (LOW)

NCANAT Version: 2.04

PLAT Results For: Sampson 09/01/2011 11:33:21 AM

INPUTS

Calendar Year:	2011
County:	Sampson
Producer Identifier:	Godwin Thomas
Tract Number:	9748
Field Number:	1 & 2
Soil Series:	KaA: Kalmia loamy sand, 0 to 3 percent slopes
Crop:	Hybrid Bermudagrass (Pasture) :
BMPs:	Buffer Width Width = 10 ft.
Fertilizers:	Swine-Lagoon liquid
	Yearly Applied Amount: 4 ac in
	Lb P2O5: 1.2 lb
	Application Method: All other surface applications
Soil Loss:	0.012 t/ac/yr
Receiving Slope Distance	10-19 ft
Soil Test 0" - 4"	565
WV_Factor (USER)	1.31
Soil Test 28" - 32"	39
WV_Factor (USER)	1.47
Hydrologic Condition:	GOOD

OUTPUTS

PARTICULATE P =	0
SOLUBLE P =	18
LEACHATE P =	11
SOURCE P =	0
TOTAL P RATING =	29 (MEDIUM)

Sampson County FSA
Farm 17713 Tract 13094

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	5.13			

Map for FSA purposes only

Total Cropland Acres
5.1

Sampson County FSA
Farm 17713 Tract 4404

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	2.36			
2	4.70			
3	3.24			

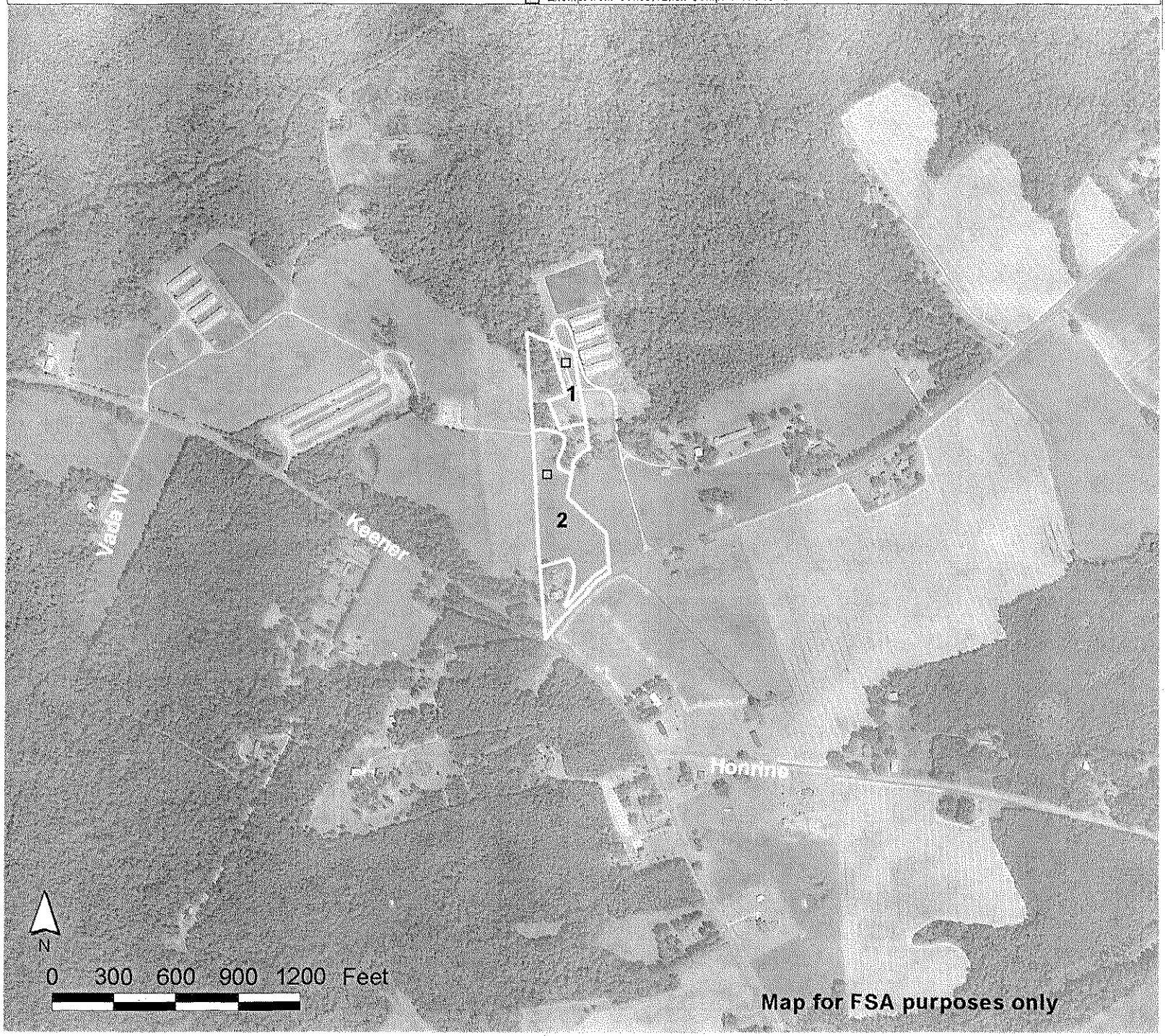
Total Cropland Acres
10.3

Sampson County FSA
Farm 17713 Tract 12120

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	0.95			
2	3.55			



Map for FSA purposes only

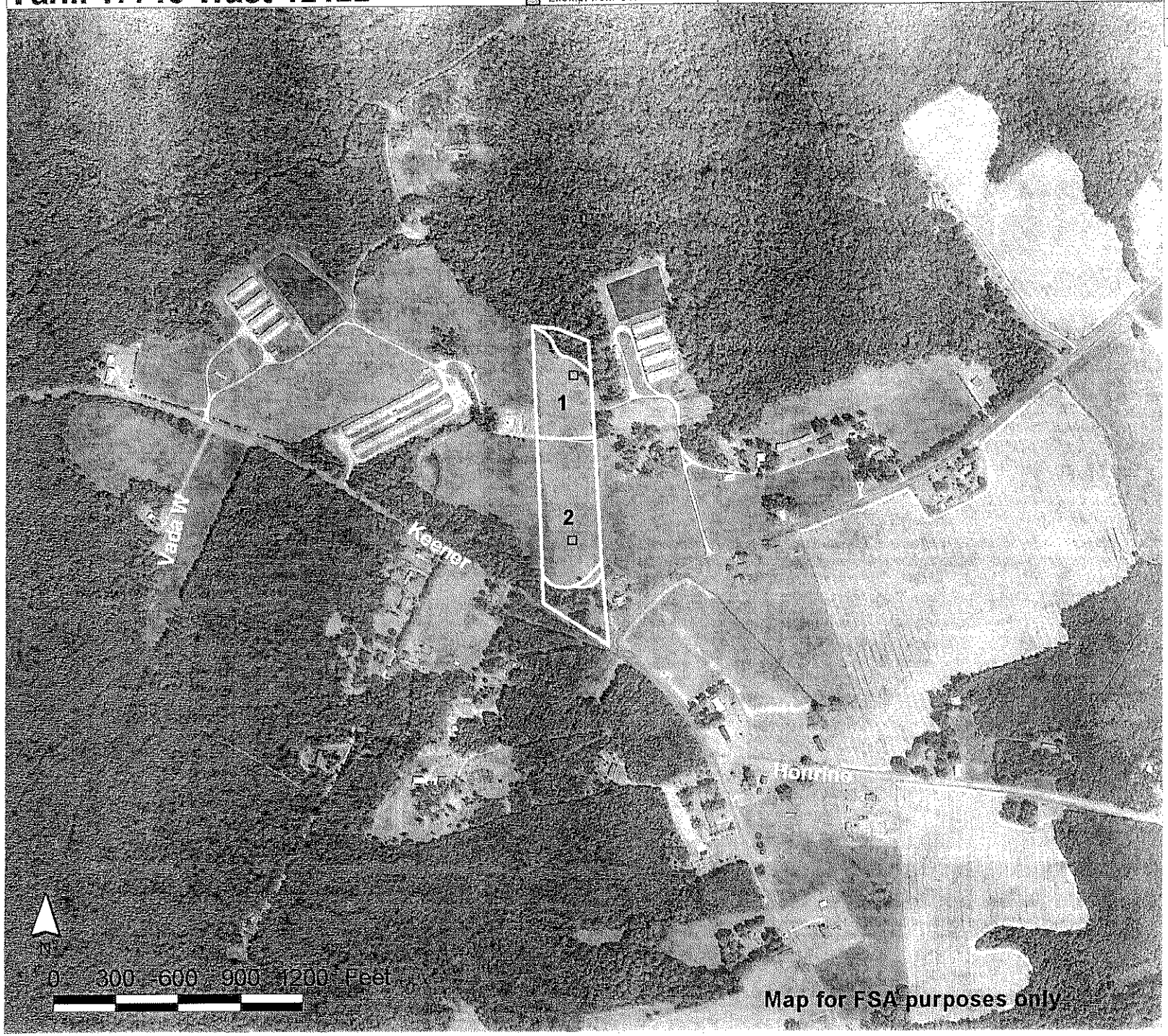
Total Cropland Acres
4.5

Sampson County FSA
Farm 17713 Tract 12122

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	2.70			
2	4.60			



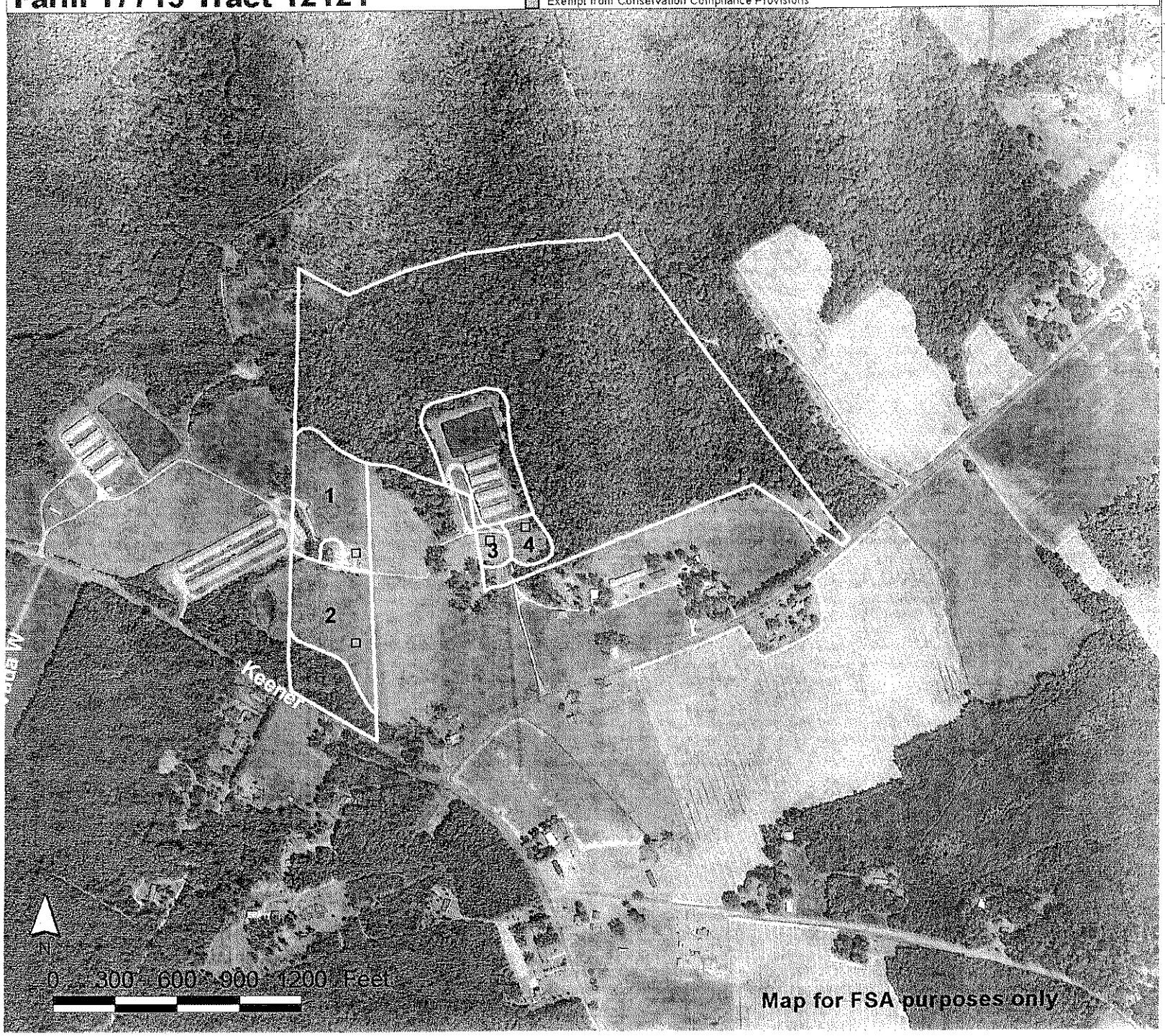
Map for FSA purposes only

Total Cropland Acres
7.3

Sampson County FSA
Farm 17713 Tract 12121

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	4.74			
2	4.42			
3	0.67			
4	0.95			

Total Cropland Acres
10.8

Sampson County FSA
Farm 17713 Tract 4405

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

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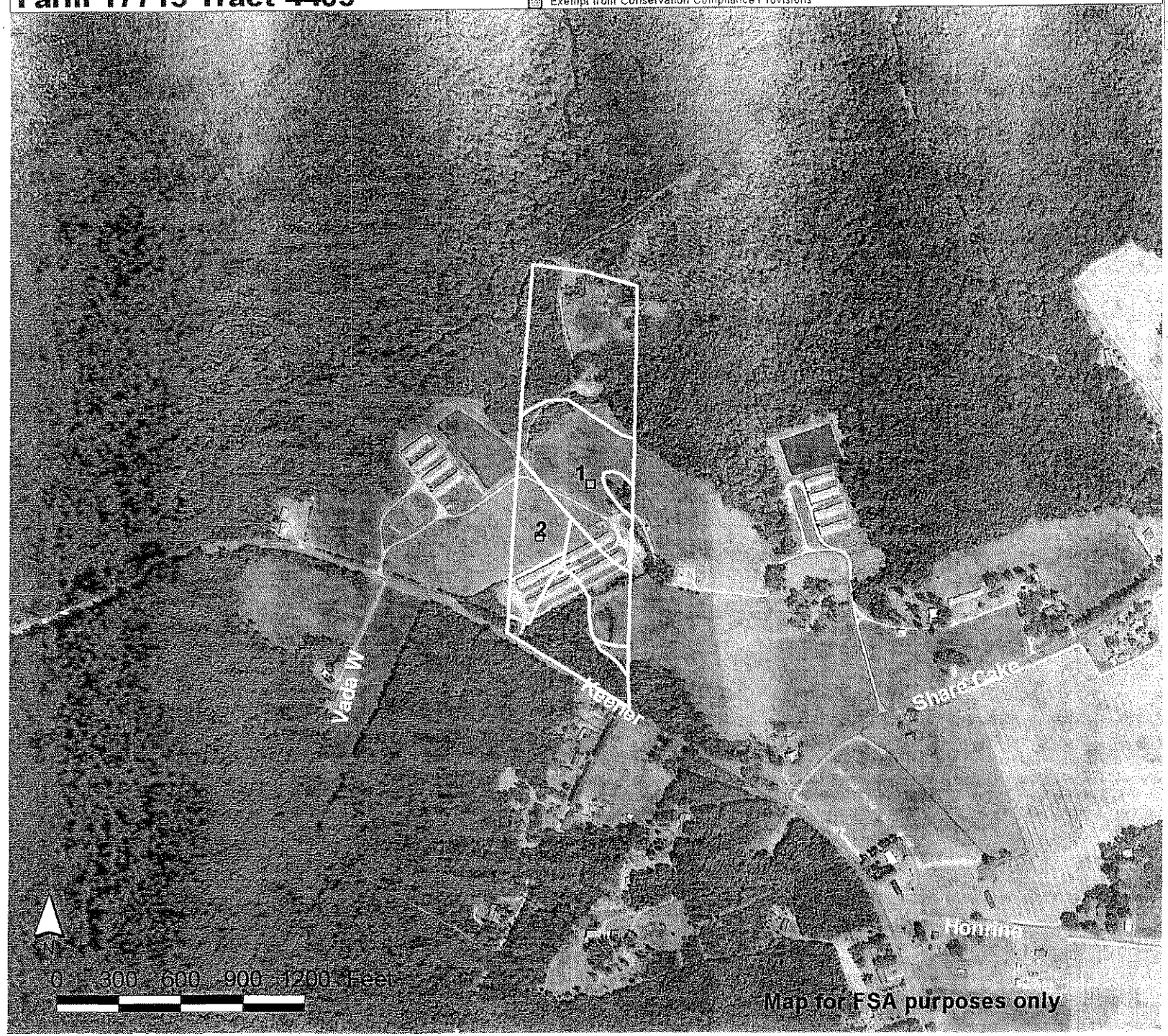
	Acres	Crop	HEL	CRP
1	6.25			
2	2.40			



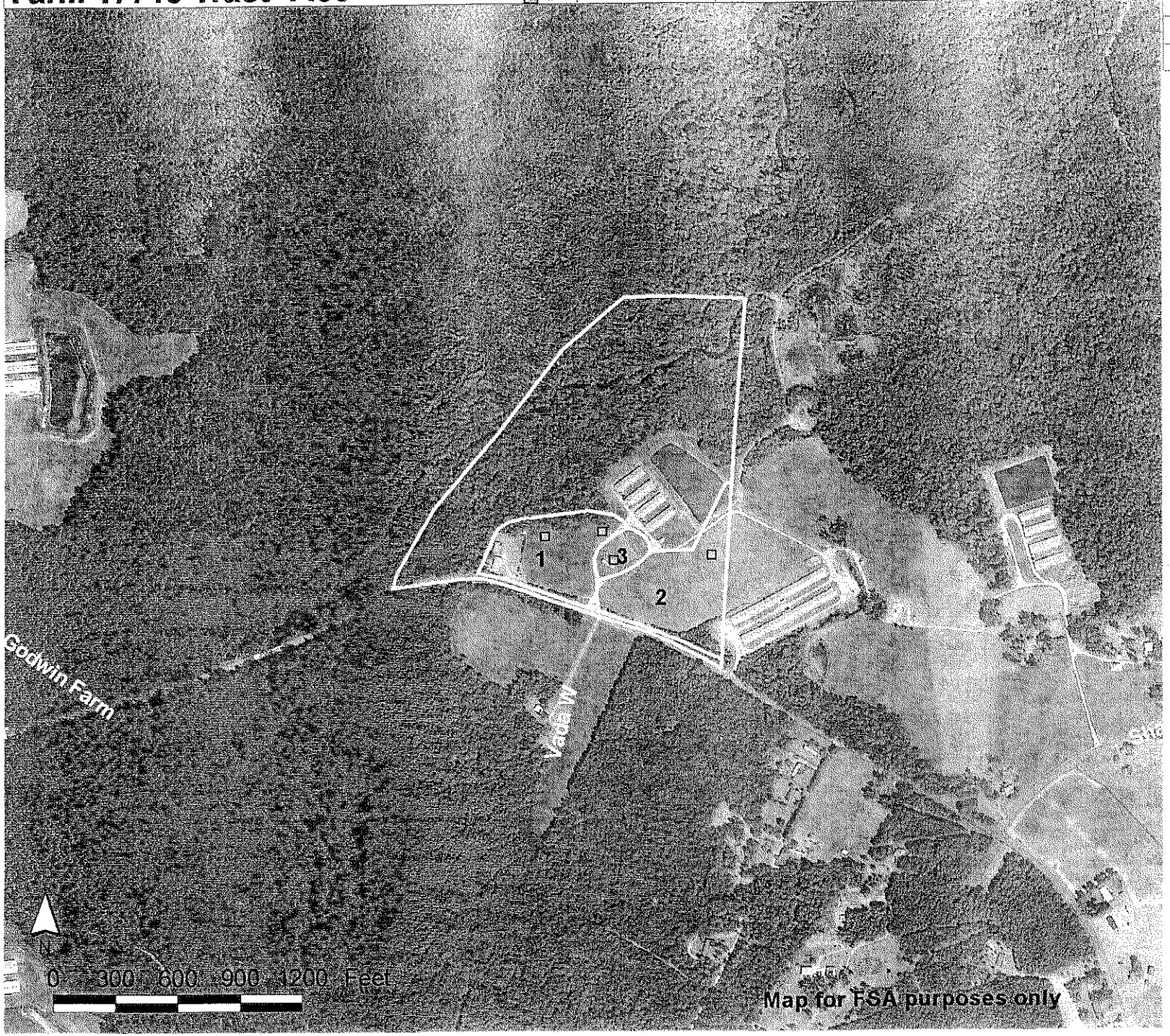
Total Cropland Acres
8.7

Sampson County FSA
Farm 17713 Tract 4403

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	4.66			
2	5.87			
3	0.98			



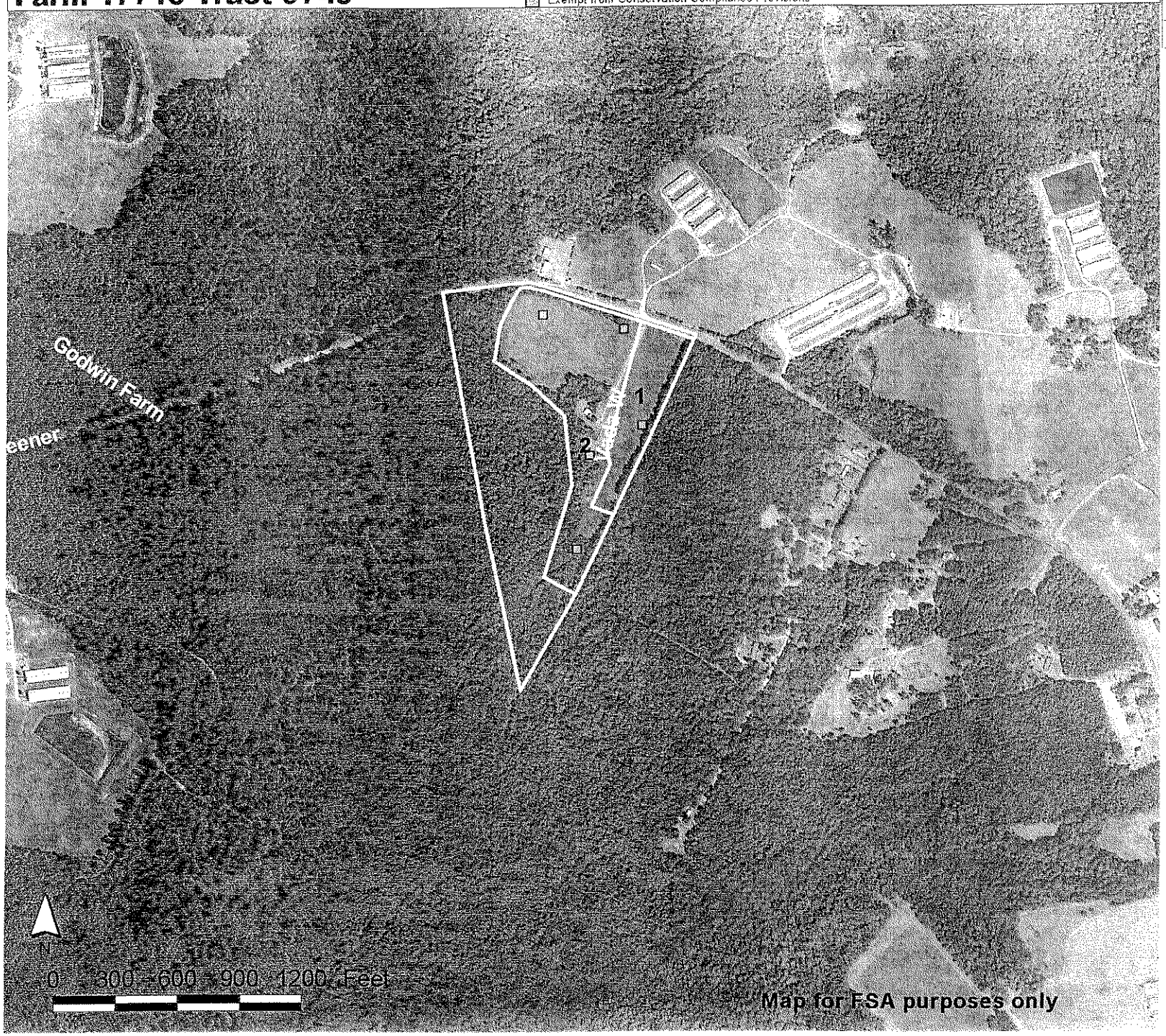
Total Cropland Acres
11.5

Sampson County FSA
Farm 17713 Tract 9748

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	4.04			
2	10.90			



Total Cropland Acres
14.9