State of North Carolina
Department of Environment and Natural Resources
Division of Water Resources

Animal Waste Management Systems
Request for Certificate of Coverage
Facility Currently Covered by an Expiring State Non-Discharge General Permit

On September 30, 2014, the North Carolina State Non-Discharge General Permits for Animal Waste Management Systems will expire. As required by these permits, facilities that have been issued Certificates of Coverage to operate under these State Non-Discharge General Permits must apply for renewal at least 180 days prior to their expiration date. Therefore, all applications must be received by the Division of Water Resources by no later than **April 1, 2014**.

Please do not leave any question unanswered. Please verify all information and make any necessary corrections below.

Application must be signed and dated by the Permittee.

1. Facility Number: 960185 and Certificate of Coverage Number: AWS960185
2. Facility Name: Jet Nursery
3. Landowner's name (same as on the Waste Management Plan): Ivey's Spring Creek Farm Inc
4. Landowner's mailing address: 229 NC Hwy 111 S
   City/State: Goldsboro NC Zip: 27534
   Telephone Number (include area code): (919)778-6066 **E-mail:**
5. **Facility's physical address:** 500 Cr Lewis Dairy Rd
   City: Goldsboro **State**: NC **Zip:** 27534
6. County where facility is located: Wayne
7. Farm Manager's name (If different than the Landowner):
8. Farm Manager's telephone number (include area code): _____
9. Integrator's name (if there is not an integrator write "None"): Ivey's Spring Creek Farm Inc
10. Operator in Charge (OIC) name: Jason Smith Telephone Number _____ OIC # 16586
11. Lessee's name (if there is not a lessee write "None"): None
12. Indicate animal operation type and number:

RECEIVED/DENR/DWR
MAR 21 2014
Water Quality Regional Operations Section

Swine	**Cattle**	**Dry Poultry**
Wean to Finish	Dairy Calf	Non Laying Chickens
Wean to Feeder **4800**	Dairy Heifer	Laying Chickens
Farrow to Finish	Milk Cow	Turkeys
Feeder to Finish	Dry Cow	Other
Farrow to Wean	Beef Stocker Calf	Pullets
Farrow to Feeder	Beef Feeder	Turkey Poults
Boar/Stud	Beef Brood Cow	
Gilts	Other	
Other		**Wet Poultry**
Horses - Horses	Sheep - Sheep	Non Laying Pullets
Horses - Other	Sheep - Other	Layers

Mail one (1) copy of the <u>most recent</u> Waste Utilization Plan (WUP) along with the field maps <u>for this facility</u> with this completed and signed application as required by NC General Statures 143-215.10C(d) to the address below. The WUP must be signed by the owner and a certified technical specialist.

As a second option to mailing paper copies of the application package, you can scan and email one signed copy of the application and the WUP to: animalpermits@ncdenr.gov

I attest that this application has been reviewed by me and is accurate and complete to the best of my knowledge. I understand that, if all required parts of this application are not completed and that if all required supporting information and attachments are not included, this application package will be returned to me as incomplete. **Note**: In accordance with NC General Statutes 143-215.6A and 143-215.6B, any person who knowingly makes any false statement, representation, or certification in any application may be subject to civil penalties up to $25,000 per violation. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than $10,000 or imprisonment of not more than 5 years, or both for a similar offense.)

Printed Name of Signing Official (Landowner, or if multiple Landowners all landowners should sign. If Landowner is a corporation, signature should be by a principal executive officer of the corporation):

Name: TED EMERY IVEY Title: Sec Tres.

Signature: _____ Date: _____

Name: _____ Title: _____

Signature: _____ Date: _____

Name: _____ Title: _____

Signature: _____ Date: _____

THE COMPLETED APPLICATION SHOULD BE SENT TO THE FOLLOWING ADDRESS:

NCDENR–DWR
Animal Feeding Operations Branch
1636 Mail Service Center
Raleigh, North Carolina 27699-1636

Telephone number: (919) 807-6464
E-mail: animalpermits@ncdenr.gov

WASTE UTILIZATION PLAN

Revised Sept. 1, 2006

Goldsboro Hog Farms, Inc.

Thursday, June 24, 1999

Producer :	Ivey Spring Creek
Farm Name :	Jet Nursery 178 Chester White Drive Seven Springs,NC 28578
Telephone # :	(919) 735-8364
Type of Operation :	Wean to Feeder Swine
Number of Animals :	4800 pigs design capacity
Application Method:	Irrigation

The waste from your animal facility must be land applied at a specified rate to prevent pollution of surface and/or groundwater. The plant nutrients in the animal waste should be used to reduce the amount of commercial fertilizer required for the crops in the fields where waste is to be applied. This waste utilization plan uses nitrogen as the limiting nutrient. Waste should be analyzed before each application cycle. Annual soil tests are strongly encouraged so that all plant nutrients can be balanced for realistic yields of the crop to be grown.

Several factors are important in implementing your waste utilization plan in order to maximize the fertilizer value of the waste and to ensure that it is applied in an environmentally safe manner. Always apply waste based on the needs of the crop to be grown and the nutrient contents of the waste. Do not apply more nitrogen than the crop can utilize. Soil types are important as they have different infiltration rates, leaching potentials, cation exchange capacities, and avaialable water holding capacities. Normally waste shall not be applied to land eroding at greater than 5 tons per acre per year. With special pre-cautions, waste may be applied to land eroding at up to 10 tons per acre per year. Do not apply waste on saturated soils, when it is raining, or when the surface is frozen. Either of these conditions may result in runoff to surface waters which is not allowed under DEM regulations. Wind conditions should also be considered to avoid drift and downwind odor problems. To maximize the value of the nutrients for crop production and to reduce the potential for pollution, the waste should be applied to a growing crop or applied to bare ground not more than 30 days prior to planting. Injecting the waste or disking will conserve nutrients and reduce odor problems. This plan is based on waste application through irrigation for this is the manner in which you have chosen to apply your waste. If you choose to inject the waste in the future, you need to revise this plan. Nutrient levels for injecting waste and irrigating waste are not the same.

The estimated acres needed to apply the animal waste is based on typical nutrient content for this type of facility. Acreage requirements should be based on the waste analysis report from your waste management facility. Attached you will find information on proper sampling techniques, preparation, and transfer of waste samples to the lab for ananlysis. This waste utilization plan, if carried out, meets the requirements for compliance with 15A NCAC 2H.0217 adopted by the Environmental Management Commission.

AMOUNT OF WASTE PRODUCED PER YEAR (gallons, ft3, tons, etc.)

4800 pigs X 0.4 tons waste/pigs/year = 1920 tons

AMOUNT OF PLANT AVAILABLE NITROGEN (PAN) PRODUCED PER YEAR

4800 pigs X 0.48 lbs PAN/pigs/year = 2304 PAN/year

Applying the above amount of waste is a big job. You should plan time and have appropriate equipment to apply the waste in a timely manner.

The following acreage will be needed for waste application based on the crop to be grown, soil type and suface application.

TABLE 1 : ACRES OWNED BY PRODUCER

TRACT	FIELD	SOIL TYPE &CLASS-DETERMINING PHASE	CROP CODE	YIELD	LBS AW N/ACRE	COMM N/ACRE	ACRES	LBS AW USED	APPLIC. TIME
3964	* 1A	JOHNS ALL	C	120	130	20	2.51	326.3	MAR-JUN
3964	* 1A	JOHNS ALL	W	50	120	0	2.51	301.2	SEP-APR
3964	* 1A	JOHNS ALL	SB	45	180	0	2.51	451.8	APR-SEP 15
3964	* 1A	LUMBEE DRAINED	C	110	117.5	20	3	352.5	MAR-JUN
3964	* 1A	LUMBEE DRAINED	W	50	120	0	3	360	SEP-APR
3964	* 1A	LUMBEE DRAINED	SB	45	180	0	3	540	APR-SEP 15
3964	* 2A	JOHNS ALL	C	120	130	20	2.59	336.7	MAR-JUN
3964	* 2A	JOHNS ALL	W	50	120	0	2.59	310.8	SEP-APR
3964	* 2A	JOHNS ALL	SB	45	180	0	2.59	466.2	APR-SEP 15
3964	* 2A	LUMBEE DRAINED	C	110	117.5	20	3.2	376	MAR-JUN
3964	* 2A	LUMBEE DRAINED	W	50	120	0	3.2	384	SEP-APR
3964	* 2A	LUMBEE DRAINED	SB	45	180	0	3.2	576	APR-SEP 15
3964	* 3A	JOHNS ALL	C	120	130	20	2	260	MAR-JUN
3964	* 3A	JOHNS ALL	W	50	120	0	2	240	SEP-APR
3964	* 3A	JOHNS ALL	SB	45	180	0	2	360	APR-SEP 15
3964	* 3A	LUMBEE DRAINED	C	110	117.5	20	2.49	292.575	MAR-JUN
3964	* 3A	LUMBEE DRAINED	W	50	120	0	2.49	298.8	SEP-APR
3964	* 3A	LUMBEE DRAINED	SB	45	180	0	2.49	448.2	APR-SEP 15
3975	* 4A	LUMBEE DRAINED	C	110	117.5	20	2.48	291.4	MAR-JUN
3975	* 4A	LUMBEE DRAINED	W	50	120	0	2.48	297.6	SEPT-APR
3975	* 4A	LUMBEE DRAINED	SB	45	180	0	2.48	446.4	APR-SEP 15
3975	* 5A	LUMBEE DRAINED	C	110	117.5	20	1.24	145.7	MAR-JUN
3975	* 5A	LUMBEE DRAINED	W	50	120	0	1.24	148.8	SEPT-APR
3975	* 5A	LUMBEE DRAINED	SB	45	180	0	1.24	223.2	APR-SEP 15
3975	* 6A	LUMBEE DRAINED	C	110	117.5	20	2.38	279.65	MAR-JUN
3975	* 6A	LUMBEE DRAINED	W	50	120	0	2.38	285.6	APR-SEPT
3975	* 6A	LUMBEE DRAINED	SB	45	180	0	2.38	428.4	APR-SEP 15
3975	* 7A	LUMBEE DRAINED	C	110	117.5	20	4.75	558.125	MAR-JUN
3975	* 7A	LUMBEE DRAINED	W	50	120	0	4.75	570	SEPT-APR
3975	* 7A	LUMBEE DRAINED	SB	45	180	0	4.75	855	APR-SEP 15
3975	* 8A	LUMBEE DRAINED	C	110	117.5	20	4.96	582.8	MAR-JUN
3975	* 8A	LUMBEE DRAINED	W	50	120	0	4.96	595.2	SEPT-APR
3975	* 8A	LUMBEE DRAINED	SB	45	180	0	4.96	892.8	APR-SEP 15
3975	* 9A	LUMBEE DRAINED	C	110	117.5	20	4.96	582.8	MAR-JUN
3975	* 9A	LUMBEE DRAINED	W	50	120	0	4.96	595.2	SEPT-APR
3975	* 9A	LUMBEE DRAINED	SB	45	180	0	4.96	892.8	APR-SEP 15
							TOTALS:	5326.27	

~ Indicates that this field is being overseeded (i.e. interplanted) or winter annuals follow summer annuals.

* Indicates a Crop Rotation

NOTE: The applicator is cautioned that P and K may be over applied while meeting the N requirments. Beginning in 1996 the Coastal Zone Management Act will require farmers in some eastern counties of NC to have a nutrient management plan that addresses all nutrients. This plan only addresses Nitrogen.

TABLE 2 : ACRES WITH AGREEMENT OR LONG TERM LEASE

(Agreement with adjacent landowners must be attached.)
(Required only if operator does not own adequate land. See required specifications 2.)

There are no Acres Leased

~ Indicates that this field is being overseeded (i.e. interplanted) or winter annuals follow summer annuals.

* Indicates a Crop Rotation

* Acreage figures may exceed total acreage in field due to overseeding.
**Lbs AW N (animal waste nitrogen) equals total required nitrogen less any commercial nitrogen (COMM N) supplied.

The following legend explains the crop codes used in TABLES 1 and 2 above:

CROP CODE	CROP	UNITS	LBS N/UNIT
C	CORN	BUSHELS	1.25
SB	SOYBEANS	BUSHELS	4
W	WHEAT	BUSHELS	2.4
W	WHEAT		

TOTALS FROM TABLES 1 AND 2

	ACRES	LBS AW N USED
TABLE 1	36.56	5,326
TOTALS:	36.56	5,326

AMOUNT OF N PRODUCED: 2,304

*** *BALANCE* -3,022

***** This number must be less than or equal to 0 in order to fully utilize the animal waste N produced.**

Acres show in each of the preceeding tables are considered to be the usable acres excluding required buffers, filter strips along ditches, odd areas unable to be irrigated, and perimeter areas not receiving full application rates due to equipment limitations. Actual total acres in the fields listed may, and most likely will be, more than the acres shown in the tables.

NOTE: The Waste Utilization Plan must contain provisions for periodic land application of sludge at agronomic rates. The sludge will be nurturient rich and will require precautionary measures to prevent over application of nutrients or other elements. Your production facility will produce approximately 364.8 pounds of plant available nitrogen (PAN) per year in the sludge that will need to be removed on a periodic basis. This figure is PAN when broadcasting the sludge. Please be aware that additional acres of land, as well special equipment, may be needed when you remove this sludge.

See the attached map showing the fields to be used for the utilization of waste water.

APPLICATION OF WASTE BY IRRIGATION

The irrigation application rate should not exceed the intake rate of the soil at the time of irrigation such that runoff or ponding occurs. This rate is limited by initial soil moisture content, soil structure, soil texture, water droplet size, and organic solids. The application amount should not exceed the available water holding capacity of the soil at the time of irrigation nor should the plant available nitrogen applied exceed the nitrogen needs of the crop.

Your facility is designed for 180 days of temporary storage and the temporary storage must be removed on the average of once every 5.92 months. In no instance should the volume of waste being stored in your structure be within 1.58 feet of the top of the dike.

If surface irrigation is the method of land application for this plan, it is the responsiblity of the producer and irrigation designer to ensure that an irrigation system is installed to properly irrigate the acres shown in Tables 1 and 2. Failure to apply the recommended rates and amounts of Nitrogen shown in the tables may make this plan invalid.

The following table is provided as a guide for establishing application rates and amounts.

TRACT	FIELD	SOIL TYPE	CROP	APPLICATION RATE (in/hr)	APPLICATION AMT (inches)
3964	*1A, *2A, *3A	LUMBEE DRAINED	W		*1
3964	*1A, *2A, *3A	LUMBEE DRAINED	SB	0.40	*1
3964	*1A, *2A, *3A	LUMBEE DRAINED	C	0.40	*1
3964	*1A, *2A, *3A	JOHNS ALL	W	0.50	*1
3964	*1A, *2A, *3A	JOHNS ALL	SB	0.50	*1
3964	*1A, *2A, *3A	JOHNS ALL	C	0.50	*1
3975	*4A, *5A, *6A, *7A, *8A, *9A	LUMBEE DRAINED	W	0.50	*1
3975	*4A, *5A, *6A, *7A, *8A, *9A	LUMBEE DRAINED	SB	0.40	*1
3975	*4A, *5A, *6A, *7A, *8A, *9A	LUMBEE DRAINED	C	0.40	*1

* This is the maximum application amount allowed for the soil assuming the amount of nitrogen allowed for the crop is not over applied. In many situations, the application amount shown cannot be applied because the nitrogen limitation. The maximum application amount shown can be applied under optimum soil conditions.

NARRATIVE OF OPERATION

This WUP has been revised to reflect wettable acres utilizing a current FSA map with the irrigation pulls drawn and labeled on the map to scale (1"=660'). A D-1 and pertinent information is provided. The corn crop following soybeans has 20 lbs N deducted for residual from the soybean crop.Pulls 4A,5A,6A,7A,8A,9A-Tract-3975 added to plan Sept. 2006.

NAME OF FARM: Jet Nursery

OWNER / MANAGER AGREEMENT

I (we) understand and will follow and implement the specifications and the operation and maintenance precedures estalished in the approved animal waste utilization plan for the farm named above. I (we) know that any expansion to the existing design capacity of the waste treatment and/or storage system or construction of new facilities will require a new utilization plan and a new certification to be submitted to DEM before the new animals are stocked.

I (we) understand that I must own or have acces to equipment, primarily irrigation equipment, to land apply the animal waste described in this waste utilization plan. This equipment must be available at the appropriate pumping time such that no discharge occurs from the lagoon in a 25-year 1-day storm event. I also certify that the waste will be applied on the land according to this plan at the appropriate times and at rates that no runoff occurs.

NAME OF FACILITY OWNER: Ivey Spring Creek

SIGNATURE: _____ **DATE:** Sept 1, 2006

NAME OF MANAGER (if different from owner): _____

please print

SIGNATURE: _____ **DATE:** 9.1.06

NAME OF TECHNICAL SPECIALIST: Robert B. Mitchell Jr.

AFFILIATION: Private Technical Specialist

ADDRESS (AGENCY): 104 Adler Lane

Goldsboro, NC 27530

(919) 736-9406

SIGNATURE: Robert B. Mitchell Jr **DATE:** 9.1.06

IRRIGATION SYSTEM DESIGN PARAMETERS

Landowner/Operator Name: IVEY'S SPRING CREEK - JET NURSERY
Address: 178 CHESTER WHITE DRIVE
SEVEN SPRINGS, NC 28578
Telephone: 919-735-8364

County: WAYNE
Date: 24 JUNE 99

TABLE 1 - Field Specifications

Field[1] Number	Approximate Maximum Useable Size of Field[2] (acres)	Soil Type	Slope (%)	Crop(s)	Maximum Application Rate[3] (in/hr)	Maximum Application per Irrigation Cycle[3] (inches)	Comments
1A	2.51	JOHNS	ALL	CORN, WHEAT, SOYBEAN	.50	1.00	
1A	3.0	LUMBEE	"	" " "	.40	"	
2A	2.59	JOHNS	"	" " "	.50	"	
2A	3.2	LUMBEE	"	" " "	.40	"	
3A	2.0	JOHNS	"	" " "	.50	"	
3A	2.49	LUMBEE	"	" " "	.40	"	

[1] See attached map.
[2] Total field acreage minus required buffer areas.
[3] Refer to N. C. Irrigation Guide, Field Office Technical Guide, Section II G. Annual application must not exceed the agronomic rates for the soil and crop used.

EXHIBIT D-1

IRRIGATION SYSTEM DESIGN PARAMETERS

Landowner/Operator Name: Ivey's Spring Creek - Jet Nursery
Address: 178 CHESTER WHITE DRIVE
SEVEN SPRINGS, NC 28578
Telephone:

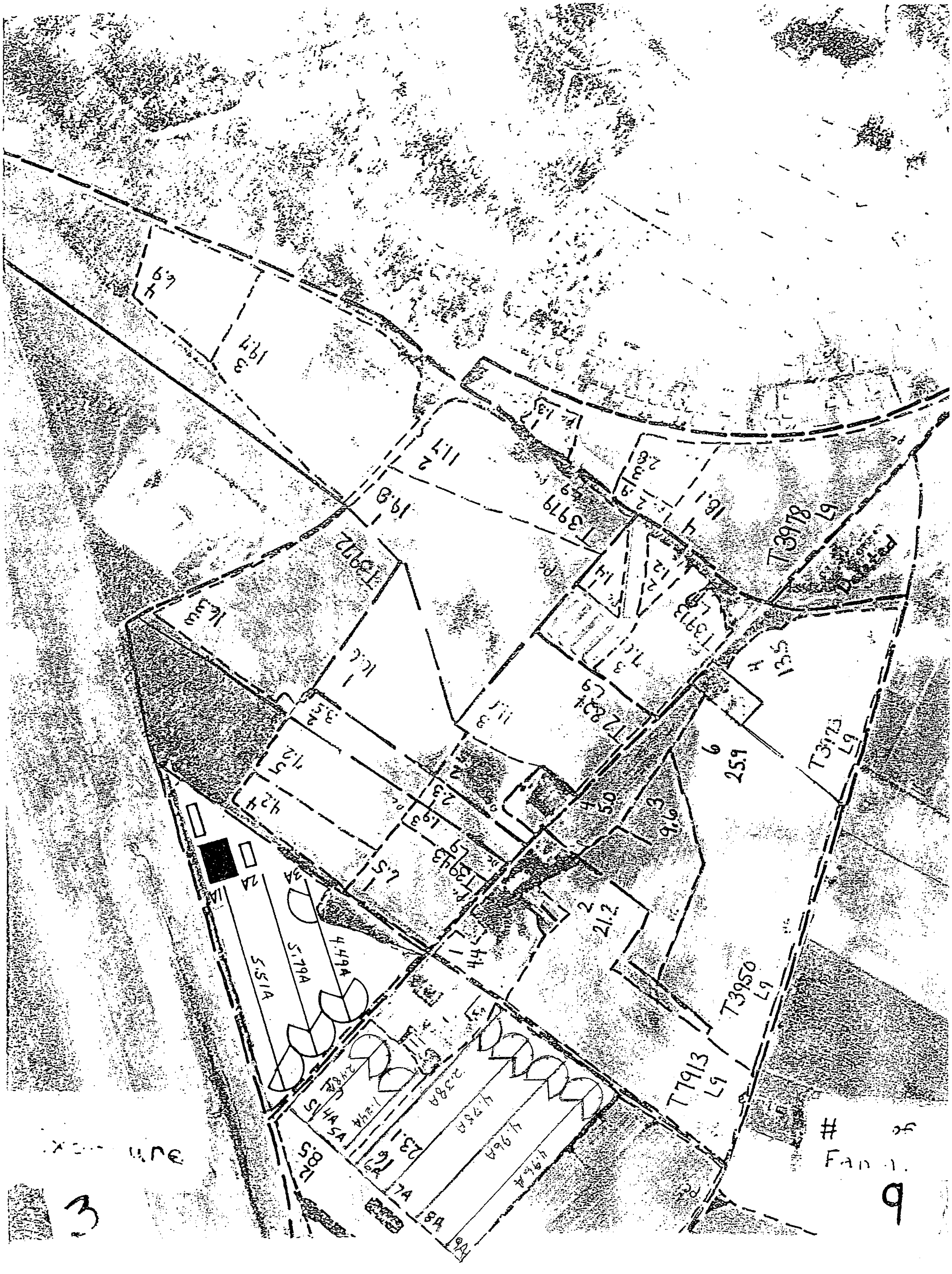
County: WAYNE
Date: 1 SEPT 06

TABLE 1 - Field Specifications T-3975

Field[1] Number	Approximate Maximum Useable Size of Field[2] (acres)	Soil Type	Slope (%)	Crop(s)	Maximum Application Rate[3] (in/hr)	Maximum Application per Irrigation Cycle[3] (inches)	Comments
4A	2.48	LUMBEE	ALL	CORN, WHEAT, SOYBEAN	.40	1.00	
5A	1.24	LUMBEE	ALL	" " "	.40	"	
6A	2.38	LUMBEE	ALL	" " "	.40	"	
7A	4.75	LUMBEE	ALL	" " "	.40	"	
8A	4.96	LUMBEE	ALL	" " "	.40	"	
9A	4.96	LUMBEE	ALL	" " "	.40	"	

[1]See attached map.
[2]Total field acreage minus required buffer areas.
[3]Refer to N. C. Irrigation Guide, Field Office Technical Guide, Section II G. Annual application must not exceed the agronomic rates for the soil and crop used.

NRCS, NC
JUNE, 1996



Exposure

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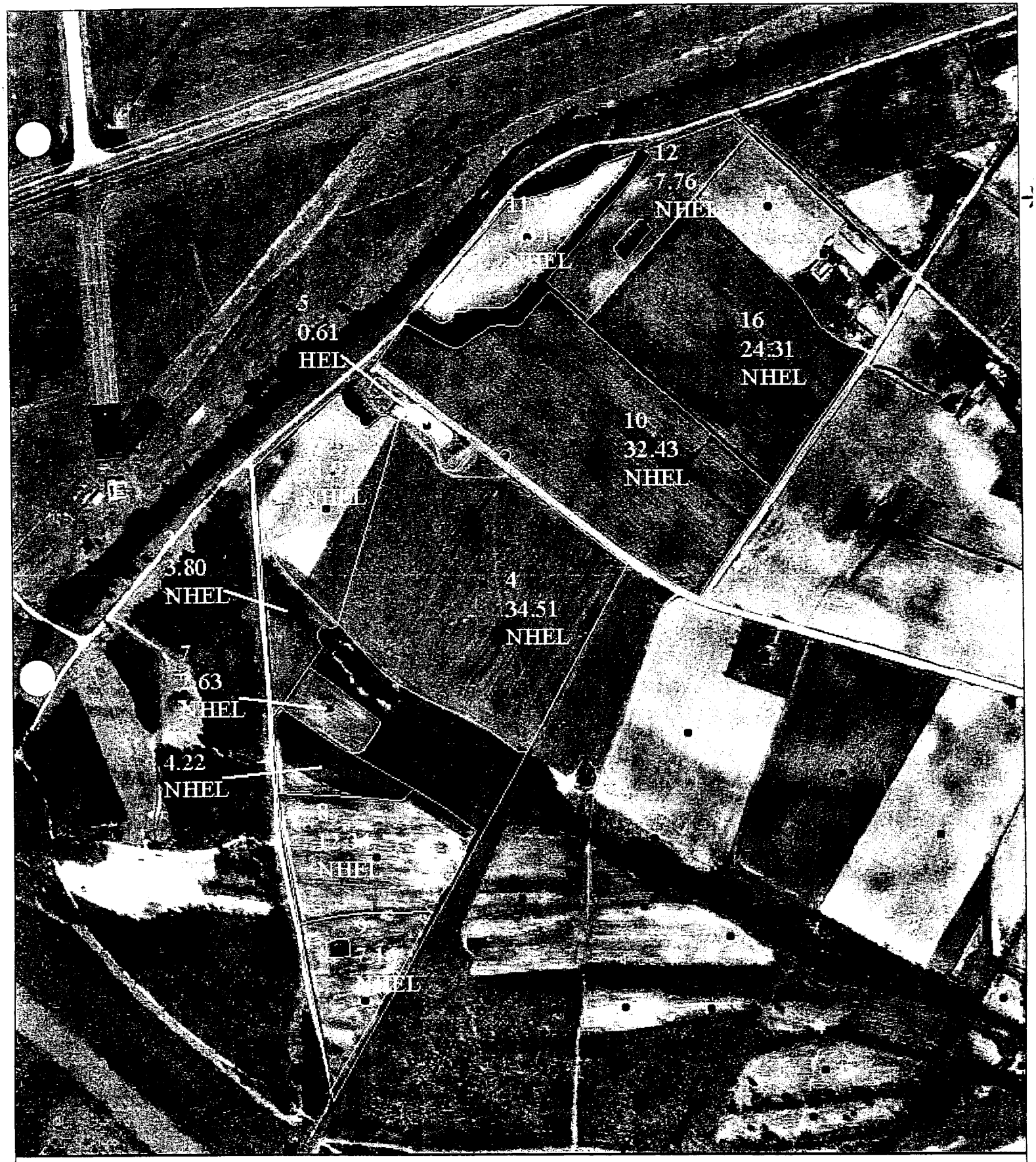


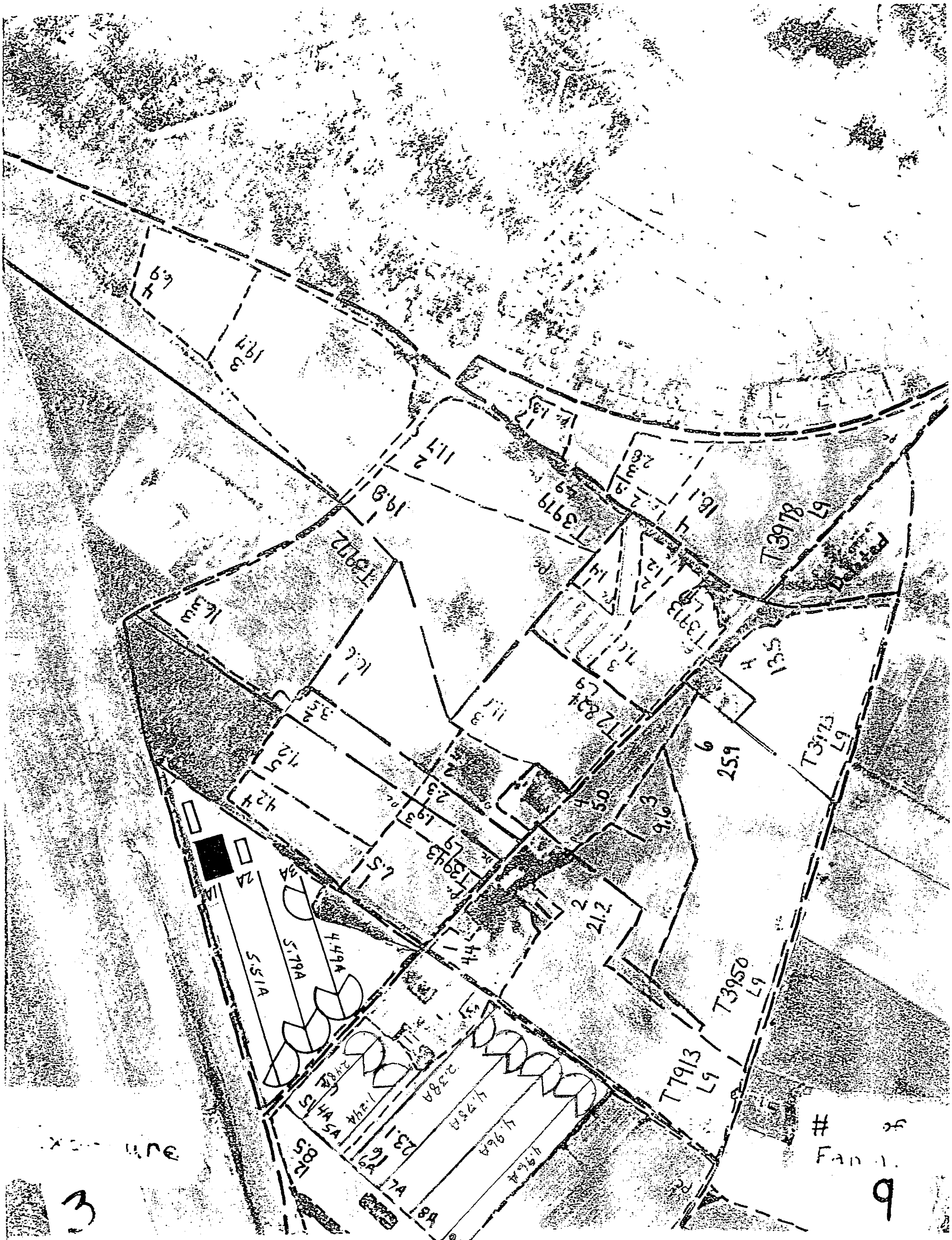
Tract 3975
Farm 10616

- Wetland Boundary
- CLU Boundary

N

USDA
Farm Service Agency

Map for FSA use only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