



Tennessee Department of Environment and Conservation,
 Division of Water Resources
 William R. Snodgrass-Tennessee Tower
 312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243
 (615) 532-0625

**CONCENTRATED ANIMAL FEEDING OPERATION (CAFO)
 STATE OPERATING PERMIT (SOP)
 NOTICE OF INTENT (NOI)**

SOPC 00111

Type of permit you are requesting: SOPCD0000 (designed to discharge) SOPC00000 (no discharge) Unknown, please advise
 Application type: New Permit Permit Reissuance Permit Modification
 If this NOI is submitted for Permit Modification or Reissuance provide the existing permit tracking number: _____

OPERATION IDENTIFICATION

Operation Name: KHAMSAY SENGCHANH	County: BEDFORD
Operation Location/ Physical Address: 510 GANT RD SHELBYVILLE TN 37160	Latitude: Longitude:
Name and distance to nearest receiving water(s): If any other State or Federal Water/Wastewater Permits have been obtained for this site, list those permit numbers: NONE	
Animal Type: <input checked="" type="checkbox"/> Poultry <input type="checkbox"/> Swine <input type="checkbox"/> Dairy <input type="checkbox"/> Beef <input type="checkbox"/> Other _____	
Number of Animals: 290,400	Number of Barns: 8 Name of Integrator: TYSON
Type of Animal Waste Management: (check all that apply)	<input checked="" type="checkbox"/> Dry <input type="checkbox"/> Liquid <input type="checkbox"/> Liquid, Closed System (i.e. covered tank, under barn pit, etc.)
Attach the NMP <input checked="" type="checkbox"/> NMP Attached	Attach the closure plan <input checked="" type="checkbox"/> Closure Plan Attached Attach a topographic map <input checked="" type="checkbox"/> Map Attached

PERMITTEE IDENTIFICATION

Official Contact (applicant): KHAMSAY SENGCHANH	Title or Position: OWNER
Mailing Address: 510 GANT RD	City: SHELBYVILLE State: TN Zip: 37160 <input type="checkbox"/> Correspondence
Phone number(s): 931 205 8113	E-mail: NOYSIMON1975@gmail.com <input type="checkbox"/> Invoice
Optional Contact:	Title or Position:
Address:	City: State: Zip: <input type="checkbox"/> Correspondence
Phone number(s):	E-mail: <input type="checkbox"/> Invoice

APPLICATION CERTIFICATION AND SIGNATURE (must be signed in accordance with the requirements of Rule 0400-40-05-.14)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and title; print or type KHAMSAY SENGCHANH OWNER	Signature <i>Khamsay Sengchanh</i>	Date 1-27-15
---	---------------------------------------	------------------------

STATE USE ONLY

Received Date	Reviewer	EFO	T & E Aquatic Fauna	Tracking No.
	Impaired Receiving Stream	High Quality Water		NOC Date

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

1. Farmer/ Producer Information

Is ALL litter removed from your farm (i.e. you not apply litter on your land)?*

Yes	No
Please circle one	

*If the answer is "No," do not complete this form.

First Name: KHANSAY

Last Name: SENGCHANH

Farm/ Operation Name: NOY FARM

Tennessee County: BEDFORD

2. Volumes and Calculations

Poultry Type: Broiler Pullet Layer

circle the type(s)

Key

A Number of birds per house per grow-out: 4 31300
4 41300

The amount of litter removed from a poultry house will vary depending on the litter moisture content, type and size of birds, and length of time birds are kept in house. Below is a Table summarized from the NRCS Poultry System Calculator V10.0 to assist in placing the litter amount produced per bird and assist in litter calculations.

B Number of Houses: 8

C Number of Grow-Outs / Year: 5

Type of Bird	Market/ Mature Weight (lbs)	Avg. Weight of Litter Produced (lbs)/ Bird / Grow-Out
Broilers	small (3.8 - 5.8)	2.1
	large (5.9 - 7+)	2.4
Layer	8 - 12	8
Pullet	5.5	3

D Average Weight of Litter Produced (lbs.)/ Bird / Grow-Out (see Table at right or use your farm average if known) 360
TON

Take Bolded Letters in Key Column Above and Below to Assist in Calculating Values Below

Number of Birds per Grow-Out = A x B = 290 400

Number of Birds Example: If A = 22,000 and B= 2 and C= 5.5 then:
 22,000 X 2 = 44,000 number of birds

KEY

E Number of Birds per Year = A x B x C = 1,452,000

Number of Birds per Year Example: If A = 22,000 and B= 2 and C = 5.5 then:
 22,000 x 2 x 5.5 = 242,000 number of birds per year

Total Tons of Litter Produced per Year on the Farm = E x D / 2,000 = 1800

Tons of Litter Produced Example: If E = 242,000 and D = 2.1 lbs. then:
 242,000 x 2.1 lbs = 508,200 lbs. / 2,000 = 254 Tons

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

2. Litter Handling and Storage

Litter Storage Capacity

Key Storage Capacity within Poultry Houses (cu ft) No. of Houses
Length of poultry house (ft) X Width of poultry house (ft) X Height of litter (ft) = cubic feet of storage

A Total capacity within poultry barns (cu ft) X number of barns *cu ft*
Storage Capacity within Litter Sheds (cu ft)
 No. of Sheds
Length of litter shed (ft) X Width of litter shed (ft) X Height of litter (ft) = cubic feet of storage

B Total capacity within litter storage sheds (cu ft) X number of sheds *cu ft*

C Storage Capacity of Other Storage Areas, if Applicable (cu ft)

Total Litter Storage Capacity Onsite (A + B + C) *cu ft*

Litter Contents from Manure Analysis (as is basis)*

* Manure analyses will be performed annually, and the results will be provided to all parties removing litter from my farm or operation.

Laboratory Name	House	Date of Analysis	Total N	P ₂ O ₅ ^a	K ₂ O ^b	Units
						lbs./Ton
SEE ATTACHMENTS						lbs./Ton
						lbs./Ton
						lbs./Ton

Attach laboratory results. If a new facility, provide the source of the estimates used.

Notes:

N = Nitrogen

P₂O₅ = Phosphorus Oxide

K₂O = Potassium Oxide

^aIf Phosphorus is expressed in analyses as Phosphorus (P), simply multiple P lbs. X 2.3 to convert to P₂O₅.

^bIf Potassium is expressed in analyses as Potassium (K), simply multiple K lbs. X 1.2 to convert to K₂O.

Mortality Management

Dead birds will be disposed of according to State and local laws in a way that does not adversely affect groundwater or create public health concern. All mortalities will be disposed of using:

Composting Incineration Rendering* (Other) FREEZER

please circle one

*If rendering, include the name and address of renderer.:

Closure Plan

In the event that poultry production at this location ceases, the following will be done in 360 days:

- Any litter/ compost currently in storage at the time of closure will be removed and spread elsewhere according to my current NMP.
- All litter in houses will be removed and spread elsewhere according to my current NMP.
- The most current manure analysis performed by an accredited laboratory will be provided to anyone removing litter on my farm.
- Any dead birds in the houses at the time of closure will be disposed of according to my NMP.

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

3. Best Management Practices/Conservation Practices

Best Management Practices/Conservation Practices for Production Areas

The following site-specific Best Management Practices (BMPs) and conservation practices will be implemented to minimize environmental impacts in production areas (*please indicate all that apply*). The design and implementation of the BMPs will meet minimum standards set in the NRCS Field Office Practice Standard and/or the NRCS Animal Waste Handbook.

- Buffer strips/filter strips
- Silt fencing, riprap, stone gabions, or other structural erosion control
- Maintain roads and heavy traffic areas
- Proper manure/litter storage (i.e. under cover, prevents runoff)
- Balanced diet/ration to prevent excessive nutrients in manure/litter
- Regular inspections and maintenance of structures and equipment
- General housekeeping (i.e. cleanup of waste/litter spills during transfers)
- Other (*please describe in detail below, or attach additional pages as needed*):

Diversion of Clean Water

I certify that:

- Uncontaminated stormwater runoff shall be diverted away from manure, litter, process wastewater, waste
- Clean water will be diverted, as appropriate, from the production area.
- Please provide a brief explanation/description of how clean water will be diverted below:

KEEP LITTER DRY

KEEP LITTER UNDER ROOF

Facility Maintenance

The following maintenance activities will be performed at the facility (*please indicate all that apply*):

- Regular inspections, maintenance, and repair of structures, equipment, and vehicles
- Replacement and upgrade of structures, equipment, and vehicles as needed
- Regular training of facility personnel in maintenance/housekeeping techniques
- Maintenance of vegetation (i.e. mowing, weeding, seeding)
- Other (*please describe in detail below, or attach additional pages as needed*):

*If your facility has a separate Operation and Maintenance (O&M) Plan, please attach a copy.

Nutrient Management Plan - Poultry

Exporting 100% of Litter Generated

4. Checklist

Use this sheet to help ensure that you have included all required items in order for your CAFO application and Nutrient Management Plan to be approved. Please attach the following items to this worksheet to complete you CAFO permit application.

Forms

- ✓ Signed revised Notice of Intent Form
- ✓ Signed Declarations to Nutrient Management Plan

Maps

- ✓ Full color map of Farm/ Operation Showing the Location of Barns/ Houses, Compost Bins, Litter Storage Bins, Nearby Roads, Streams, Wetlands, etc.
- ✓ Full color topographical map of the Farm/ Operation showing property lines and location of poultry houses.

Manure Analysis

- ✓ Annual Manure Analysis Performed by an Accredited Laboratory

Mail complete packet to:

Heidi McIntyre-Wilkinson, Environmental Specialist
Ellington Agricultural Center - Holeman Building
Nonpoint Source and CAFO Programs
P.O. Box 40627
Nashville, TN 37204

The completed packet can also be scanned and sent via electronic mail to:
Heidi.McIntyre-Wilkinson@tn.gov

5. Certification

As the owner/operator, I am certifying that I am the decision-maker for this operation. All information included in my CAFO permit application packet is complete and accurate to the best of my knowledge. I understand that I am responsible for the implementation of the NMP and for maintaining all necessary records for the operation.

signature: Khansey Sanchez

Date: 1-26-15

Nutrient Management Plan - Poultry

Keep For Your Records

Names of Persons / Companies Removing Poultry Litter from

Name of Farm / Operation Where Litter Originates

Name: ROSS RINKES
 Address: 755 Petty Branch rd DeChard TN 37324
County
 Phone: 931 967-8699

	Date	Tons	Date	Tons	Date	Tons	Date	Tons
Estimated Tons of Litter:		1800						

Name: _____
 Address: _____
County
 Phone: _____

	Date	Tons	Date	Tons	Date	Tons	Date	Tons
Estimated Tons of Litter:								

Name: _____
 Address: _____
County
 Phone: _____

	Date	Tons	Date	Tons	Date	Tons	Date	Tons
Estimated Tons of Litter:								

Name: _____
 Address: _____
County
 Phone: _____

	Date	Tons	Date	Tons	Date	Tons	Date	Tons
Estimated Tons of Litter:								



Waters Agricultural Laboratories, Inc.

Manure/Sludge Analysis and Application Report

2101 Calhoun Rd. Highway 81 Owensboro, Kentucky 42301 Phone: (270) 685-4039

Ship To: Ross Rinkes 755 Petty Branch Road Decherd, TN 37324-	Grower: XXXXXXXXXX <i>Noy Poultry Farm</i> <hr/> Sample Number: 1 Lab Number: 28185MS Type: Manure	Date Submitted: 06/17/2014 Report Date: 06/18/2014
---	--	---

	Percent (%)	Pounds per Ton
Nitrogen - Total	2.94	58.8
P2O5 - Total	2.5	50
K2O -Total	2.61	52.2
Calcium	2.12	42.4
Magnesium	0.54	10.8
Sulfur	1.14	22.8
Boron	0.0033	0.066
Zinc	0.033	0.66
Manganese	0.051	1.02
Iron	0.034	0.68
Copper	0.022	0.44
Aluminum	0.29	5.8
Sodium	0.55	11

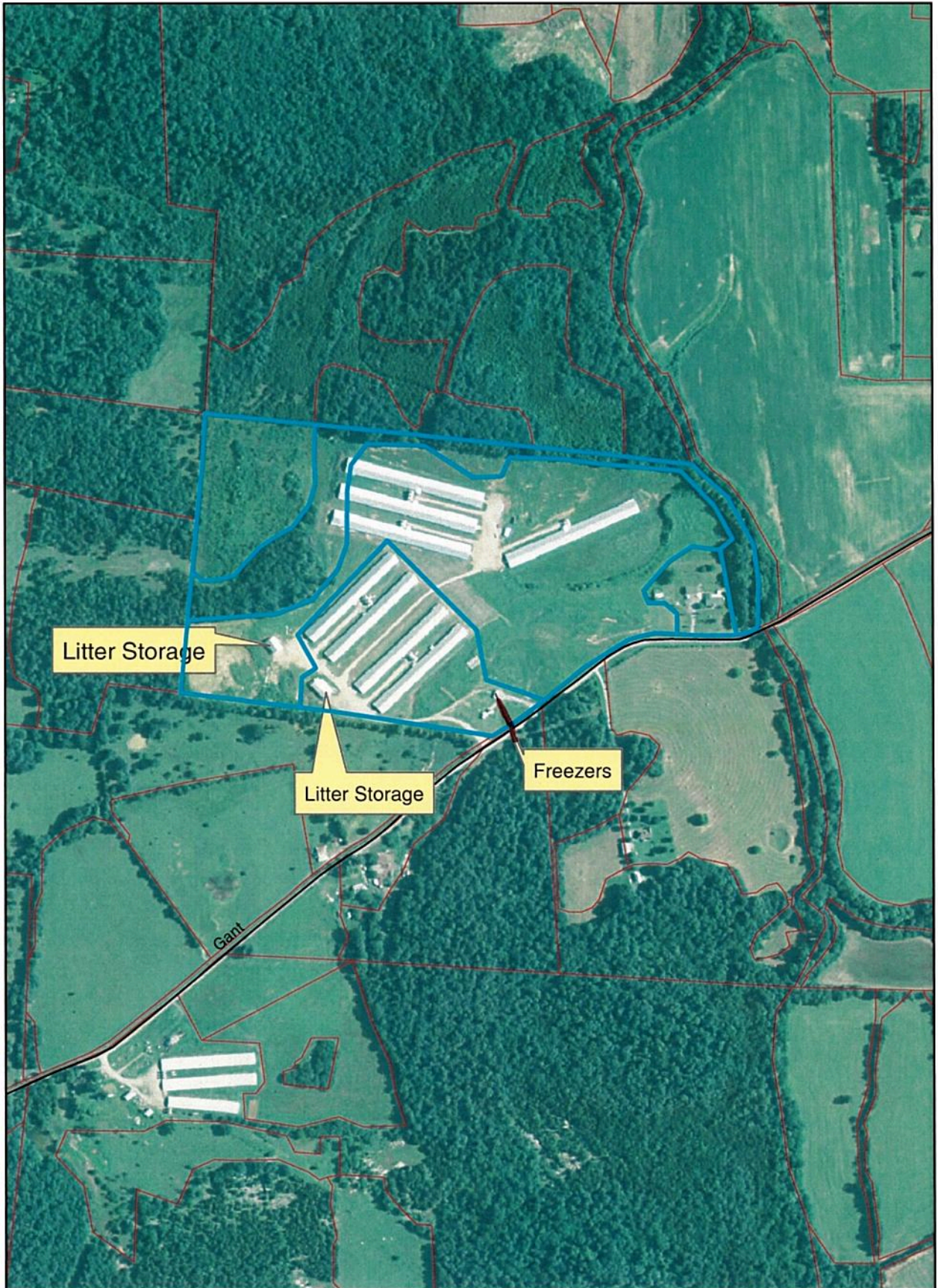
Moisture	31	%
----------	----	---

Results Reported On: W=WET(AS RECEIVED)BASIS

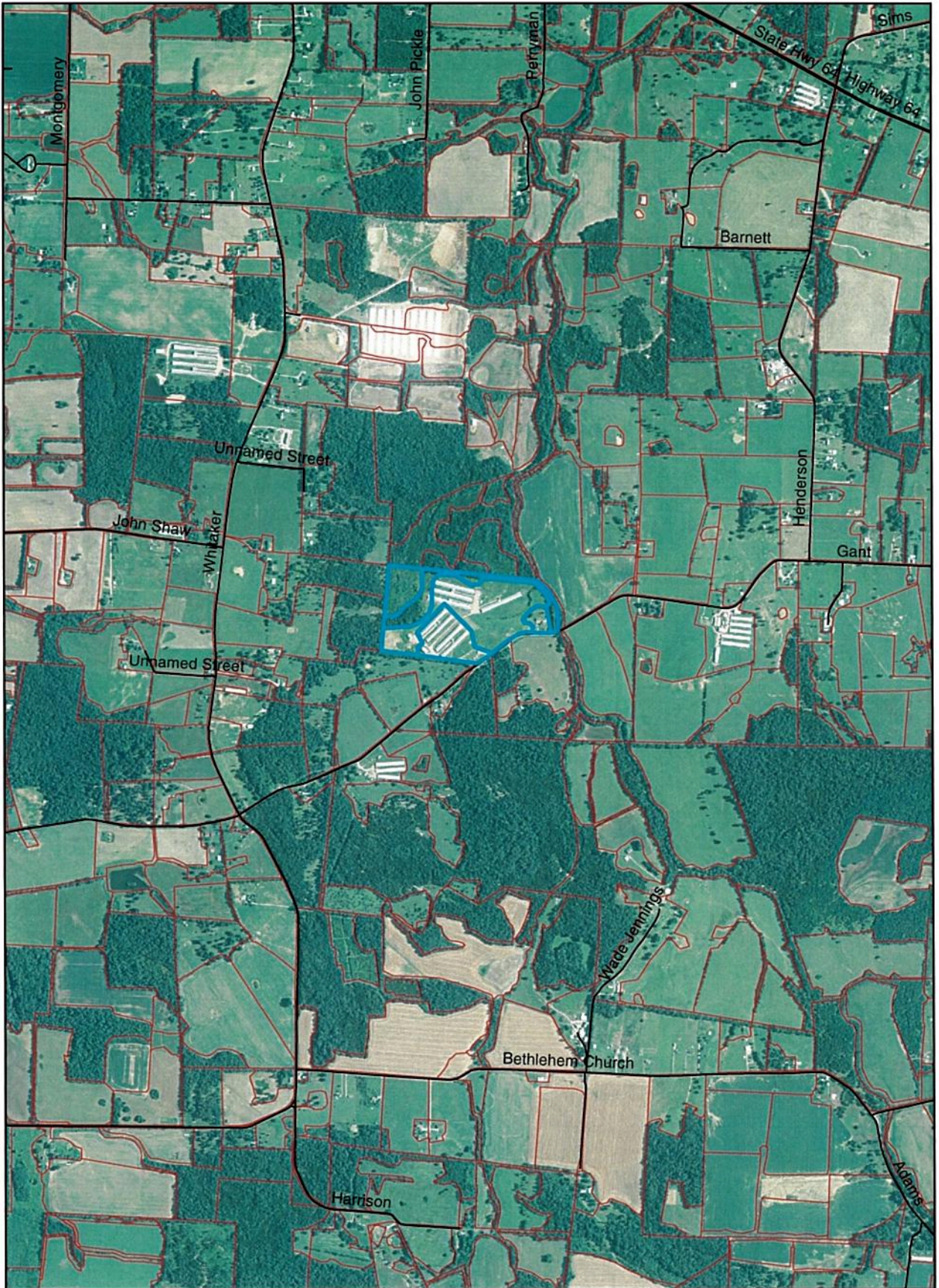
Remarks

This document may be reproduced only in its entirety. Waters Agricultural Laboratories has no control over the manner in which samples are taken, therefore, analysis is based solely on the sample as received. Lab liability is limited to the fee assessed on the referenced sample.

Khamsay Sengchanh
Farm 6185 Tract 376

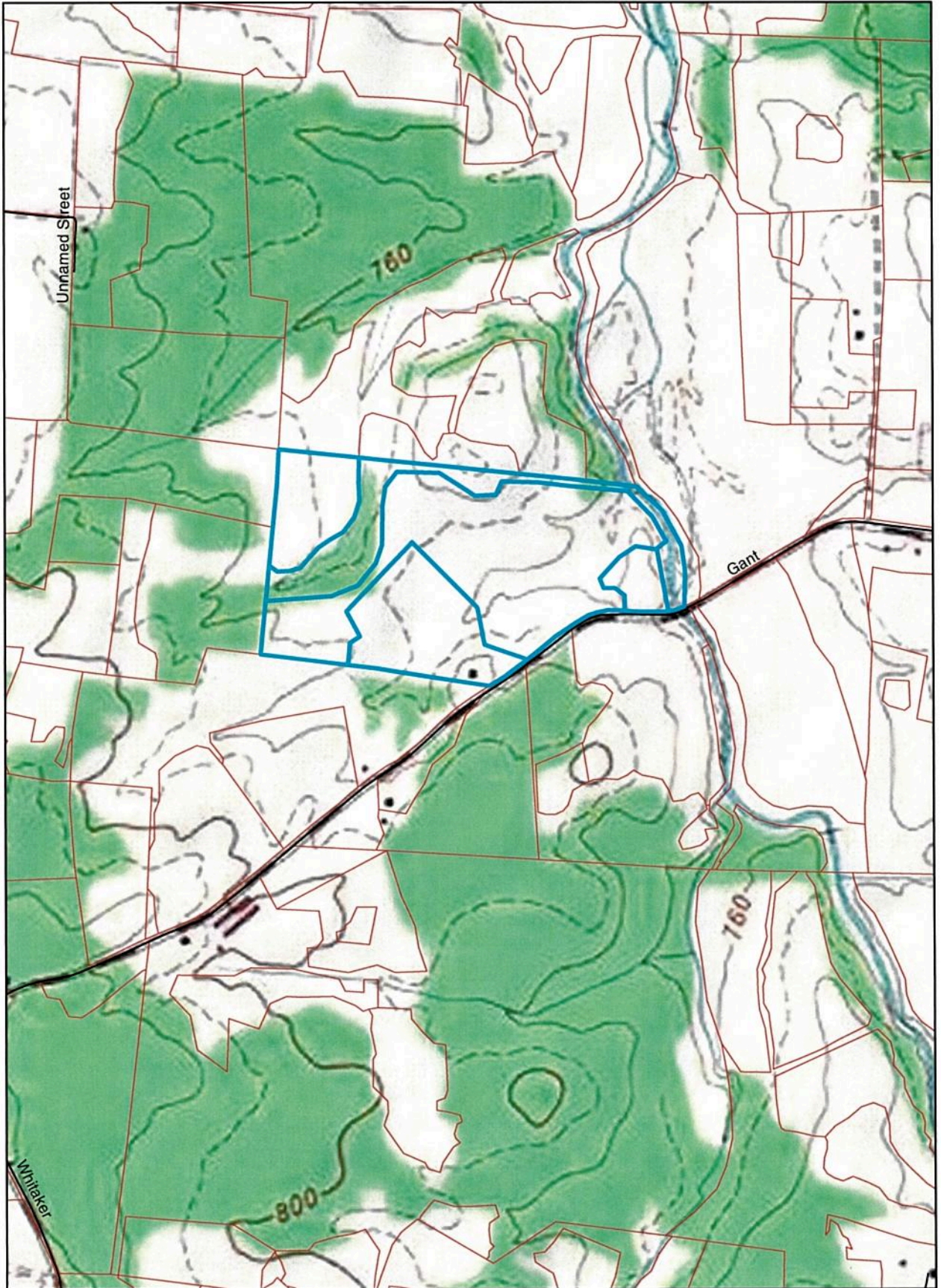


Rhoads Conger
Farm 6185 Tract 376

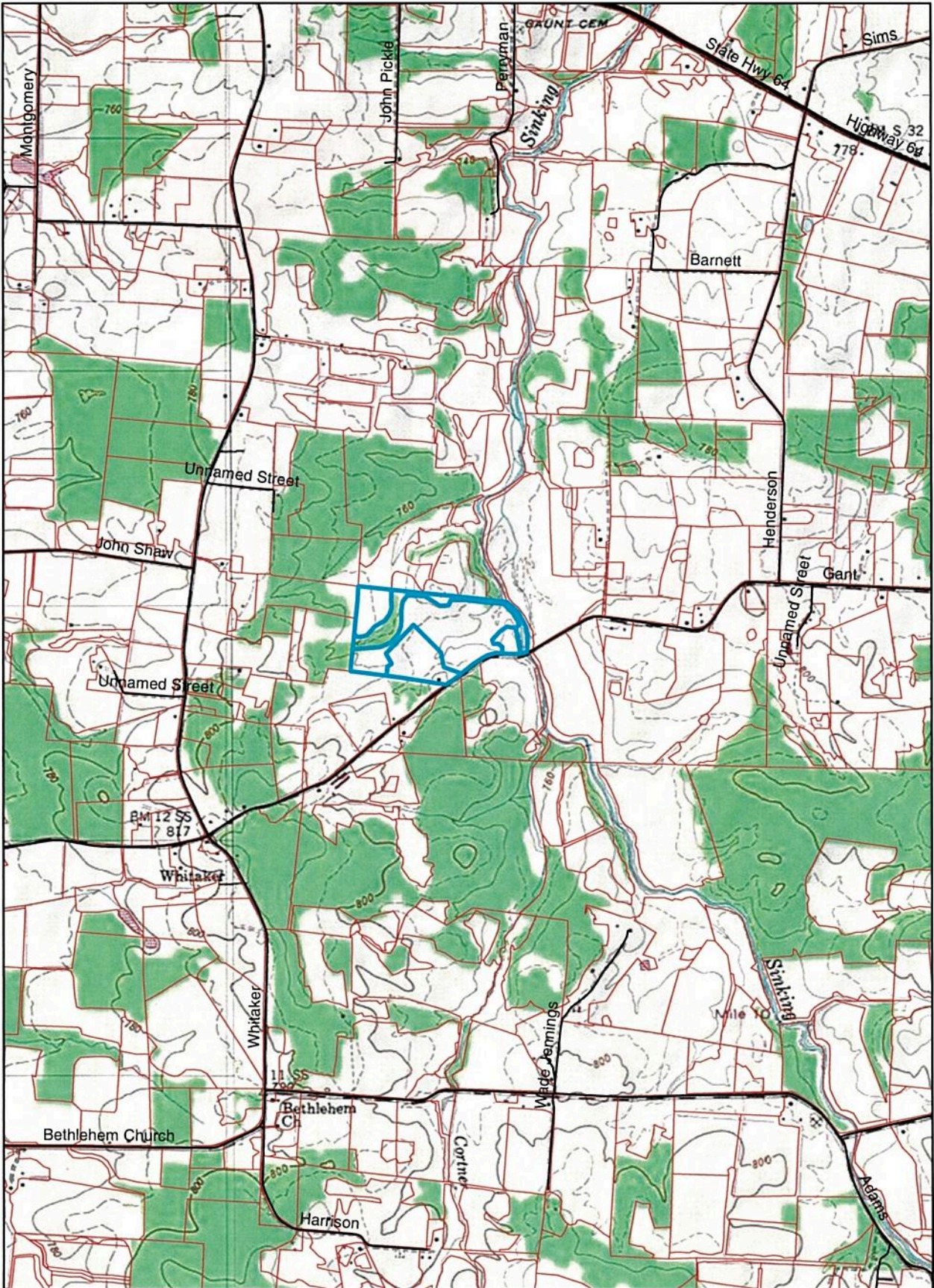


1:24,000

Khanbey Congerham
Farm 6185 Tract 376

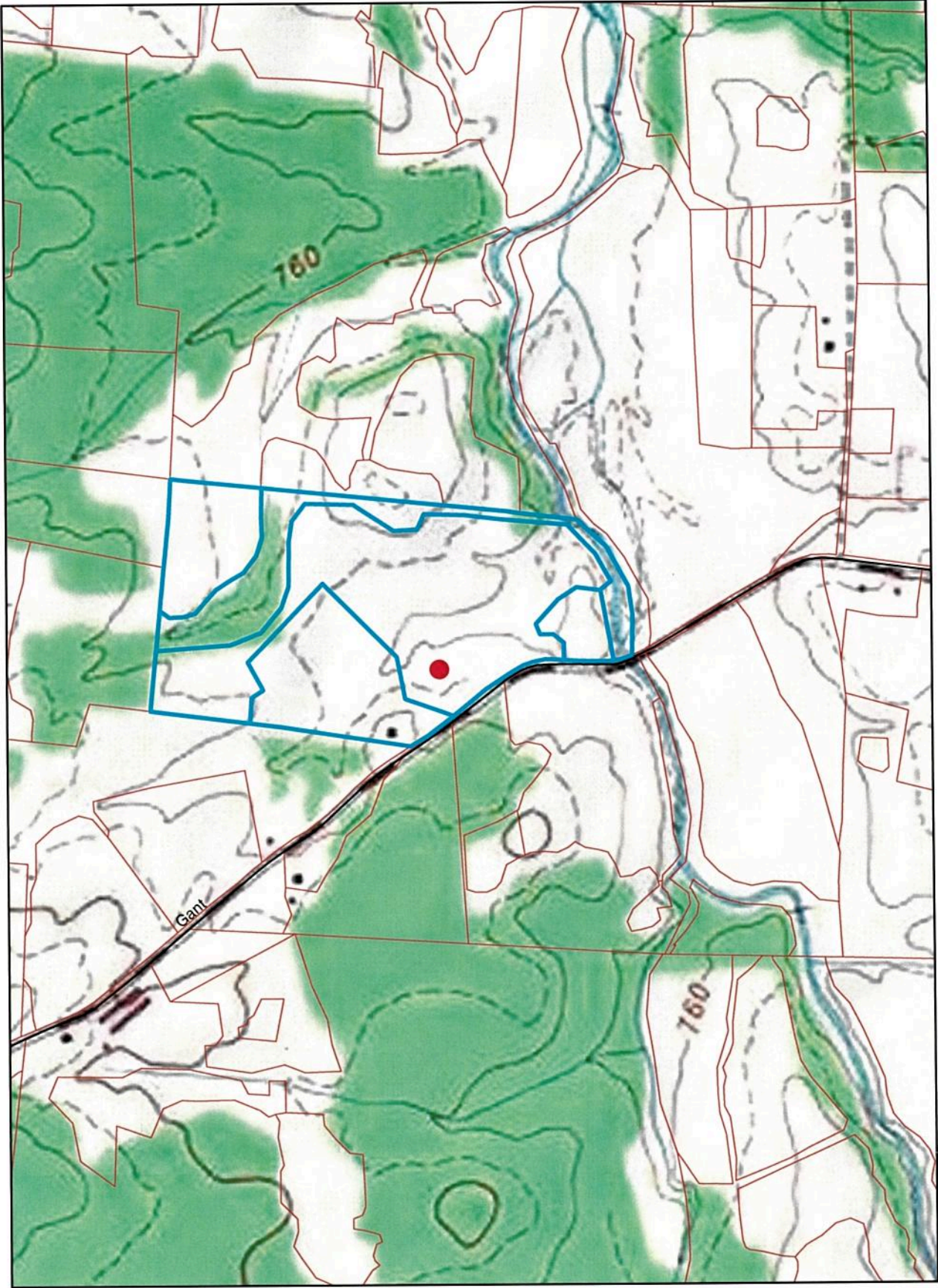


Khamsay Sengchanh
Farm 6185 Tract 376



1:24,000

Khamsay Sengchanh
Farm 6185 Tract 376



● Long -86.614689 Lat 35.459451