

**Environmental
Assessment**

Proposed Swine
Finishing Facility in
Richland County owned
by Loren Dickirson



Farm Service Agency
United States Department of Agriculture

October 24, 2012

COVER SHEET

Proposed Action: The United States Department of Agriculture (USDA), Farm Service Agency (FSA) is processing an application for a guarantee from the Citizens National Bank of Albion in accordance with 7 CFR Part 762.

Type of Document: Site Specific Environmental Assessment

Lead Agency: Farm Service Agency, United States Department of Agriculture

Sponsoring Agency: N/A

Cooperating Agency: N/A

Further Information: John W. Gehrke, Farm Loan Specialist
john.gehrke@il.usda.gov
(618) 283-2311 x 103

Comments: This Environmental Assessment (EA) was prepared according to USDA, FSA National Environmental Policy Act (NEPA) implementation procedures found in 7 CFR 1940 subpart G, as well as the NEPA of 1969, Public Law 91-190, 42 U.S. Codes 4321-4347, 1 January 1970, as amended. A copy of this EA can be found at:
USDA/FSA public website

Written comments regarding this assessment shall be submitted to:
John W. Gehrke, Farm Loan Specialist
301 South 3rd Street
Vandalia, IL 62471
john.gehrke@il.usda.gov

Executive Summary

1.0 Introduction

1.1 Background: The United States Department of Agriculture (USDA), acting through the Farm Service Agency (FSA), has received a request for guaranteed loan financing from the Citizens National Bank of Albion and from Loren Dickirson.

1.2 Purpose and Need: The purpose of the FSA guaranteed loan program is to enable lenders to extend credit to family farm owners and operators who may not otherwise qualify for commercial credit. The primary beneficiaries of this project will be Loren Dickirson, who will provide the labor, facilities, and utilities for the livestock operation. This facility will enable the applicant to expand their agricultural operation and provide a steady income stream to assist them in becoming financially successful. Secondary beneficiaries will be Maschoff Pork, LLC which provides the livestock, feed, and veterinary supplies and markets the fat hogs. Additional benefits may be provided to: 1) A third party Contractor that may be paid to empty the pits and spread the liquid and solid waste, 2) Local equipment dealers that provide the equipment for the operator to spread and incorporate the manure, 3) the farmers who operate farmland subject to manure easements.

1.3 Regulatory Compliance: The guaranteed loan program regulatory authority is found in FSA Handbook 2-FLP and the environmental authority is found in Handbook 1-EQ, 2-EQ, and FSA National Environmental Policy Act (NEPA) implementation procedures found in 7 CFR 1940 Subpart G. FSA policy requires that every FSA undertaking consider the environmental impact of those projects or actions.

1.4 Organization of EA: It is intended that this document provide a concise summary of the project, alternatives considered, potential environmental impacts, and necessary mitigation measures. These factors will be summarized to determine if an Environmental Impact Statement is required.

2.0 Description of Proposed Action and Alternatives

2.1 Proposed Action: The proposal is for the construction of a contract swine finishing facility with a onetime capacity of 2830 head, which equates to 1132 animal units. The facility would be 81' wide and 225' long with an 8' deep pit for manure storage underneath. The building would be situated on 2 acres located in the NE ¼ of the SE ¼ of Section 1, Township 2 North and Range 14 West of the 2nd Principal Meridian, Richland County.

2.2 Alternatives

2.2.1 The “No Action Alternative” means that no construction would take place.

2.2.2 Alternative A would be to move the facility to another location. The availability of a different site in close proximity to the land that will be subject to the manure easements would be difficult. This alternative may be cost prohibitive due to the additional survey and engineering cost associated with relocating the facility.

2.2.3 Alternative B: N / A

2.3 Resources Eliminated from Analysis: Coastal Zone Management Areas and Coastal Barriers

have been eliminated from the analysis.

3.0 Affected Environment

3.1 Biological Resources: Compliance with Section 7 of the Endangered Species Act

3.1.1 Definition of Resource: Threatened or Endangered Species or their habitat.

3.1.2 Affected Environment: The project area is currently in crop production and the change in land use will have no affect on T & E species or their habitat.

3.2 Water Resources: Compliance with the Clean Water Act, Executive Order 11988, Floodplains Management, and Executive Order 11990, Protection of Wetlands. All liquids and solids will be stored in a concrete pit under the building and is designed for zero discharge. Disposal of the waste will be through injection into adjacent crop lands at approved agronomic rates in accordance with a Certified Nutrient Management Plan (CNMP). The site is not in the 100 year flood plain and is not a wetland. No sole source aquifers will be affected. There are no designated wild or scenic rivers within the Area of potential Effect (APE).

3.3 Cultural Resources: There are no historic properties affected and no known cultural resources are present and the site is not in a high probability area. Referral has been made to the State Historic Preservation Officer and clearance has been received.

3.4 Soil Resources: N/A

3.5 Air Quality: Setback requirements of the Livestock Management Facilities Act (LMFA) have been met. As a result of concerns expressed during the public hearing, perimeter tree planting is planned which will improve the air quality.

3.6 Socioeconomics: N/A

3.7 Environmental Justice: The proposed action will not cause any adverse human health or environmental effects to minority or low income communities as defined in Executive Order 12898.

3.8 Important Land Resources: Compliance with Farmland Protection Act, NRCS's Implementation Rule, and Departmental Regulation 9500-3, Land Use Policy. The project site is not zoned but is located on agricultural land. Actions that convert important farmland through the construction of on-farm structures necessary for farm operations are exempt from the farmland protection provisions.

3.9 Wilderness Areas: The site is not located in a designated wilderness area. It is located in close proximity to an Illinois Natural Areas Inventory Site (INAI) known as the Berryville Geographical Area Site. The Berryville site is listed as a Category IV site due to its geographical features.

4.0 Environmental Consequences

4.1 Biological Resources

4.1.1 No Action Alternative: No T & E species will be affected.

4.1.2 Alternative A: Unknown

4.1.3 N/A

4.2 Water Resources: The project as designed will be in compliance with the Clean Water Act. No additional permits are required. A National Pollutant Discharge Elimination Storm Water permit (NPDES) is not required.

4.3 Cultural Resources: FSA has fulfilled its responsibilities under Section 106 of the Historic Preservation Act.

4.4 Soil Resources: N/A

4.5 Air Quality: Setback requirements have been met and mitigation measures will be completed.

4.6 Socioeconomics: N/A

4.7 Environmental Justice: This project has been reviewed and found in compliance with Executive Order 12898.

4.8 Important Land Resources: No effect

4.9 Wilderness Areas: No effect

5.0 Cumulative Impacts

5.1 Introduction: The Agency not only looks at individual projects but considers a summary of other past, present and reasonably foreseeable Federal and non-Federal activities that may, when combined with the effects of the proposed action, impact protected resources. Other activities could include construction activities at the same location or nearby, other FSA programs in the same geographic area, etc.

5.2 Past, Present, and Reasonably Foreseeable Actions: No effect

5.3 Cumulative Analysis: No effect This project is limited in scope and is not part of multiple project plans. FSA is not aware of any other large CAFO's planned within this watershed.

6.0 Mitigation Measures

The original plan has been modified to include perimeter tree planting which is known to improve air quality. Traffic patterns and road access was addressed through the public hearing held by the Illinois Department of Agriculture (IDOA).

7.0 List of Preparers: John W. Gehrke- FSA Farm Loan Specialist and State Environmental Coordinator

8.0 List of Persons and Agencies Contacted: Preliminary public notice was provided to the general public by the IDOA/Richland County Board. Notification of this environmental evaluation will be provided to the U/S Fish & Wildlife Service, the Illinois EPA, and the State of Illinois, Preservation Services Division.

9.0 References

Appendix A: Agency Correspondence and background information as needed.

Environmental Determinations

The following recommendations shall be completed:

- a) Based on an examination and review of the foregoing information and such supplemental information attached hereto, I recommend that the approving official determine that this project () will have a significant effect on the quality of the human environment and an Environmental Impact Statement must be prepared. (X) Will not have a significant effect on the quality of the human environment.

- b) I have reviewed and considered the types and degrees of adverse environmental impacts identified by this assessment. I have also analyzed the proposal for its consistency with FSA environmental policies, particularly those related to important farmland protection, and have considered the potential benefits of the proposal. Based upon a consideration and balancing of these factors, I recommend from an environmental standpoint that the project

Be approved

Not be approved because of the reasons outlined.

J. W. Gehrke
Signature of Preparer

10/24/2012
Date

John W. Gehrke
Name of Preparer
Illinois FSA State Environmental Coordinator

Signature of Concurring Official

Date

Farm Loan Chief

Title



NOTICE OF INTENT TO CONSTRUCT APPLICATION FORM

Pursuant to the Livestock Management Facilities Act (510 ILCS 77/1 et seq.) (we), the undersigned, do hereby file with the Illinois Department of Agriculture a Notice of Intent to Construct a Livestock Management Facility or Livestock Waste Handling Facility as follows:

A) Legal description of the land on which the livestock facility will be constructed —

Quarter-Quarter	Quarter	Section	Township	Range	P.M.
<i>Example: NE</i>	<i>NW</i>	<i>19</i>	<i>12-North</i>	<i>3-West</i>	<i>3rd</i>
NE	SE	1	2-North	14-West	2nd

County Name Richland

B) Name(s) and addresses of the facility and owner(s) or operator(s) of the facility —
(Please check the appropriate box to indicate the address for mailing correspondence.)

Facility Name Loren Dickirson

Facility Address None Exists
(Specify the actual facility address, if one exists.)

City, State, Zip Sumner, IL 62466

Telephone None Exists

Owner or Operator Name Loren Dickirson

Address _____

City, State, Zip Sumner, IL 62466

Telephone _____

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

C) Type and size of the facility and number of animal units —

Proposed facility is an entirely new facility

Proposed facility is an expansion of an existing facility

Expansion classifies facility as a "New Facility"

Expansion does not classify facility as a "New Facility"

** "New Facility"- means a livestock management facility or a livestock waste handling facility the construction or expansion of which is commenced on or after May 21, 1996 (the effective date of the Livestock Management Facilities Act). Expanding a facility where the fixed capital cost of the new components constructed within a 2 year period does not exceed 50% of the fixed capital cost of a comparable entirely new facility shall not be deemed a new facility as used in the Livestock Management Facilities Act.

ANIMAL UNITS (based on the maximum design capacity of the facility):
(CHECK AND COMPLETE ALL THAT APPLY)

Number of Existing Animal Units (if applicable) = 0

Number of Proposed Additional Animal Units:

	# of Head Units	x	Animal Unit Factor	=	# of Animal Units
<input type="checkbox"/> Beef	_____	x	1.0	=	_____
<input type="checkbox"/> Milking dairy	_____	x	1.4	=	_____
<input type="checkbox"/> Dairy (young stock)	_____	x	0.6	=	_____
<input type="checkbox"/> Laying hens or broilers	_____	x	0.005	=	_____
<input type="checkbox"/> Laying hens or broilers (w/ continuous overflow watering)	_____	x	0.01	=	_____
<input type="checkbox"/> Laying hens or broilers(w/ liquid manure handling systems)	_____	x	0.03	=	_____
<input type="checkbox"/> Sheep	_____	x	0.1	=	_____
<input checked="" type="checkbox"/> Swine (>55lbs)	<u>2830</u>	x	0.4	=	<u>1132.2</u>
<input type="checkbox"/> Swine (<55lbs)	_____	x	0.03	=	_____
<input type="checkbox"/> Turkeys	_____	x	0.02	=	_____
<input type="checkbox"/> Ducks	_____	x	0.02	=	_____
<input type="checkbox"/> Horses	_____	x	2.0	=	_____
<input type="checkbox"/> Other:	_____	x	_____	=	_____
Number of Proposed Additional Animal Units				=	<u>1132.2</u>

Total Number of Animal Units = 1132.2
(existing + proposed additional)

C) Type and size of the facility and number of animal units (continued) —

TYPE OF PROPOSED LIVESTOCK MANAGEMENT FACILITY:

(CHECK ALL THAT APPLY)

- Breeding
- Gestation
- Farrowing
- Nursery
- Grower
- Finisher
- Freestall Barn
- Feed Lot / Yard
- Milking Parlor
- Other: _____

TYPE OF PROPOSED LIVESTOCK WASTE HANDLING FACILITY

(CHECK ALL THAT APPLY):

- Waste storage structure under building (pit storage structure)
- Above-ground waste storage structure
- In-ground waste storage structure
- Earthen lagoon
- Runoff holding pond
- Other: _____

** A construction plan of each waste handling structure with design specifications of the structure noted as prepared by or for the owner or operator must also be submitted to and approved by the Department prior to the commencement of construction.

EXISTING AND PROPOSED FACILITY SIZE:

(list the size of each building or structure, by facility type) (specify "proposed" or "existing")

Example: Farrowing building with concrete under building pit (proposed) – 40 feet x 80 feet x 8 feet deep
 Finishing building with shallow pit to a lagoon (existing) – 300' x 100' x 2' deep
 Earthen Lagoon (existing) – 400 feet x 360 feet x 10 feet deep

Status		Phase	W (ft)	L (ft)	D (ft)	Swine >55 lbs	Waste Handling System
Proposed	Barn 1	Wean - Finish	81'	225'	8'	2830	Underfloor Deep Pit (8 ft)
Totals						2830	
AU Factor						0.4	
Total AU						1132	

- D) Names and addresses of the owners, including local, State and federal governments, of the property located within the setback area (both the residence and populated area setback areas) — *** Applicable only to facilities which meet the definition of a “new facility”*

(LIST HERE AND/OR ATTACH ADDITIONAL SHEETS AS NECESSARY)

Please refer to Attachments A & B

- E) Distance to the nearest town, residence, occupied residence, non-farm business, and common place of assembly —
- | | | |
|--------------------------|--|--------------------|
| Town | <u>Berryville</u> (name) | <u>12,800</u> feet |
| Residence | <u>Mervin & Ruth Peachey</u> (name) | <u>1,400</u> feet |
| Occupied residence | <u>Mervin & Ruth Peachey</u> (name) | <u>1,400</u> feet |
| Non-Farm business | <u>Shady Grove Grocery</u> (name) | <u>3,500</u> feet |
| Common place of assembly | <u>Gilead Presbyterian Church</u> (name) | <u>3,030</u> feet |

- F) Map or sketch showing the proposed facility and setbacks —
(CHECK ALL THAT APPLY)

All Facilities

- Plat Map, Topographic Map or sketch attached.

Please refer to Attachment C (Plat Map) & Attachment D (Topographic Map)

- Locations of all residences, populated areas, non-farm businesses and common places of assembly within or near the setback boundaries have been clearly identified on the map or sketch.

Please refer to Attachment E (Setback Map)

“New Facilities”

- Setback distances (both residence and populated area setback distances) have been clearly identified on the map or sketch or in the case of an existing facility, the distances between the proposed construction and the existing facility as well as the distance to nearest residences has been identified.

Please refer to Attachment E (Setback Map)

“Expansion Facilities”

- Plot plan depicting all existing and proposed structures. Plot plan also indicates: the distance from the proposed structure(s) to the existing structure(s), the distance from proposed structure(s) to the owner/operator’s residence (if on site), the distance from the proposed structure(s) to the nearest non-owned residence.

- G) A statement identifying whether a request for decrease in setbacks, pursuant to (510 ILCS 77/35 (g)), has been sought and whether the request has been granted or denied —
(CHECK ALL THAT APPLY)

- No request for a setback decrease has been sought.
- A request(s) for a setback decrease is being submitted to the Illinois Department of Agriculture.
- Waiver(s) attached
 - Waiver(s) not attached

- A request for a setback decrease has been submitted to the Illinois Department of Agriculture and no action relative to its acceptance or denial has been received.
- A request for a setback decrease has been submitted to the Illinois Department of Agriculture and has been granted by the Department.

H) Property owner notification

Within 10 calendar days after receipt of the Department's acknowledgment of setback compliance, owners or operators of "new" livestock management or "new" livestock waste handling facilities *not subject to the public informational meeting process* are required to mail by certified mail, return receipt requested, a copy of the complete notice of intent to construct to the owners of the property located within the setback areas.

Within 10 calendar days after receipt of the Department's notification that all information concerning the notice of intent to construct is complete, owners or operators of "new" livestock management or "new" livestock waste handling facilities *subject to the public informational meeting process* are required to mail by certified mail, return receipt requested, a copy of the complete notice of intent to construct to the owners of the property located within the setback areas.

Sincerely,

Patrick Maschhoff

Authorized Agent (PRINTED)

Patrick Maschhoff
Signature of Authorized Agent

6/5/12
Date

Environmental Services Manger

Title

Maschhoff Environmental Inc.

Questions relative to the filing of Notices of Intent to Construct may be directed to the Illinois Department of Agriculture at 217/785-2427 (Voice/TDD).

Completed forms and all documentation should be submitted to:

Livestock Waste Program, Illinois Department of Agriculture, Bureau of Environmental Programs, P.O. Box 19281, Springfield, Illinois 62794-9281

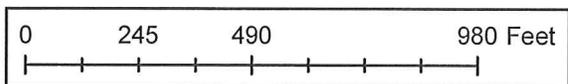


Well
1,450 ft

Stream
1,500 ft

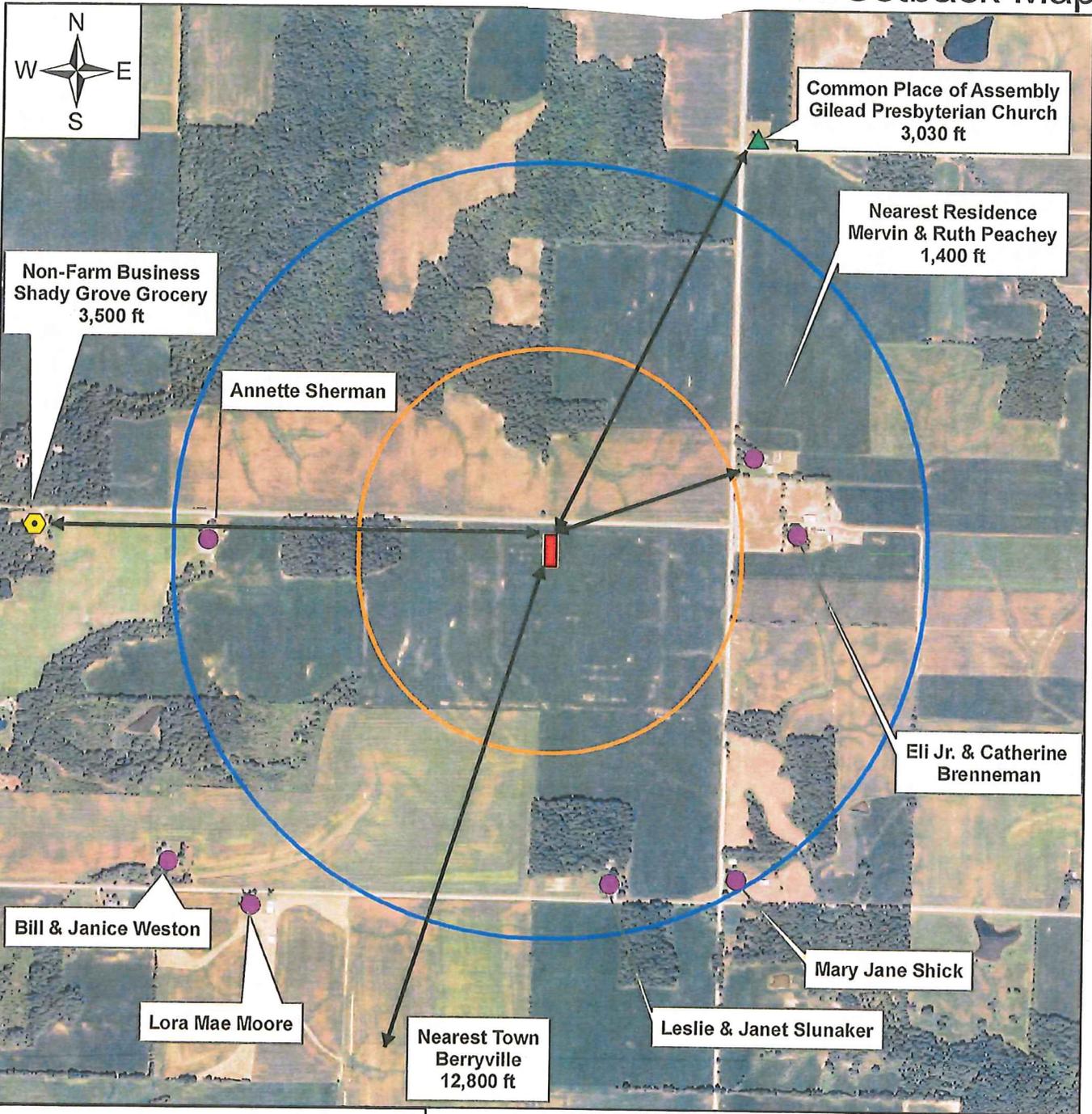
Legend

-  Well
-  Steams
-  Proposed Facility



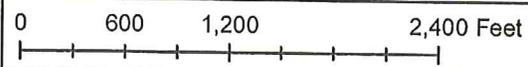
Dickirson

Setback Map



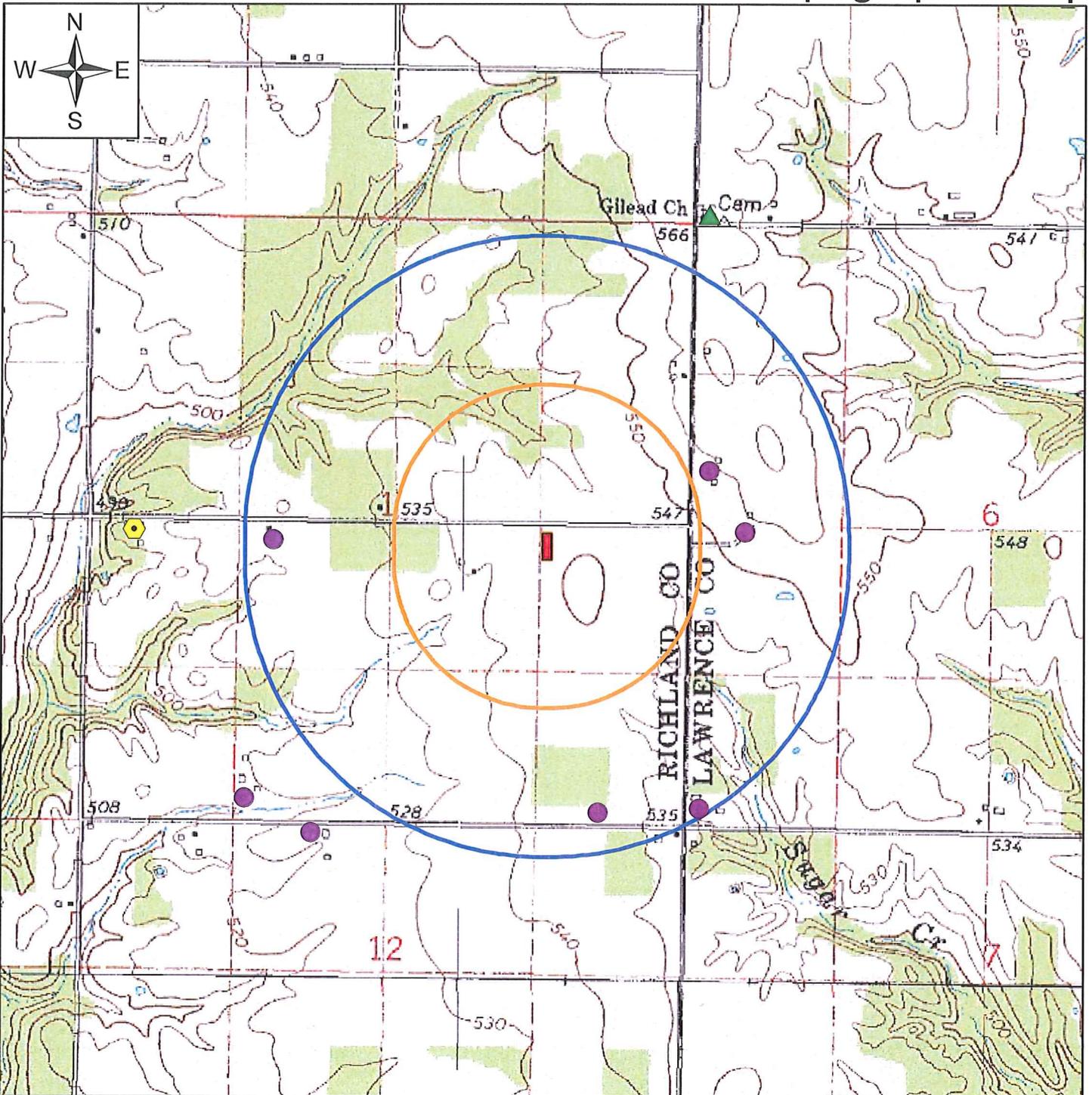
Legend

- ▲ Common Place of Assembly
- ⬡ Non_Farm Business
- Residence
- Proposed Facility
- Residence_Setback (1320 ft)
- Populated_Area_Setback_(2640_ft)



Dickirson

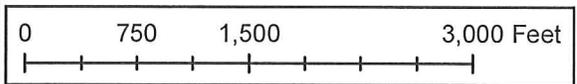
Topographic Map



Legend

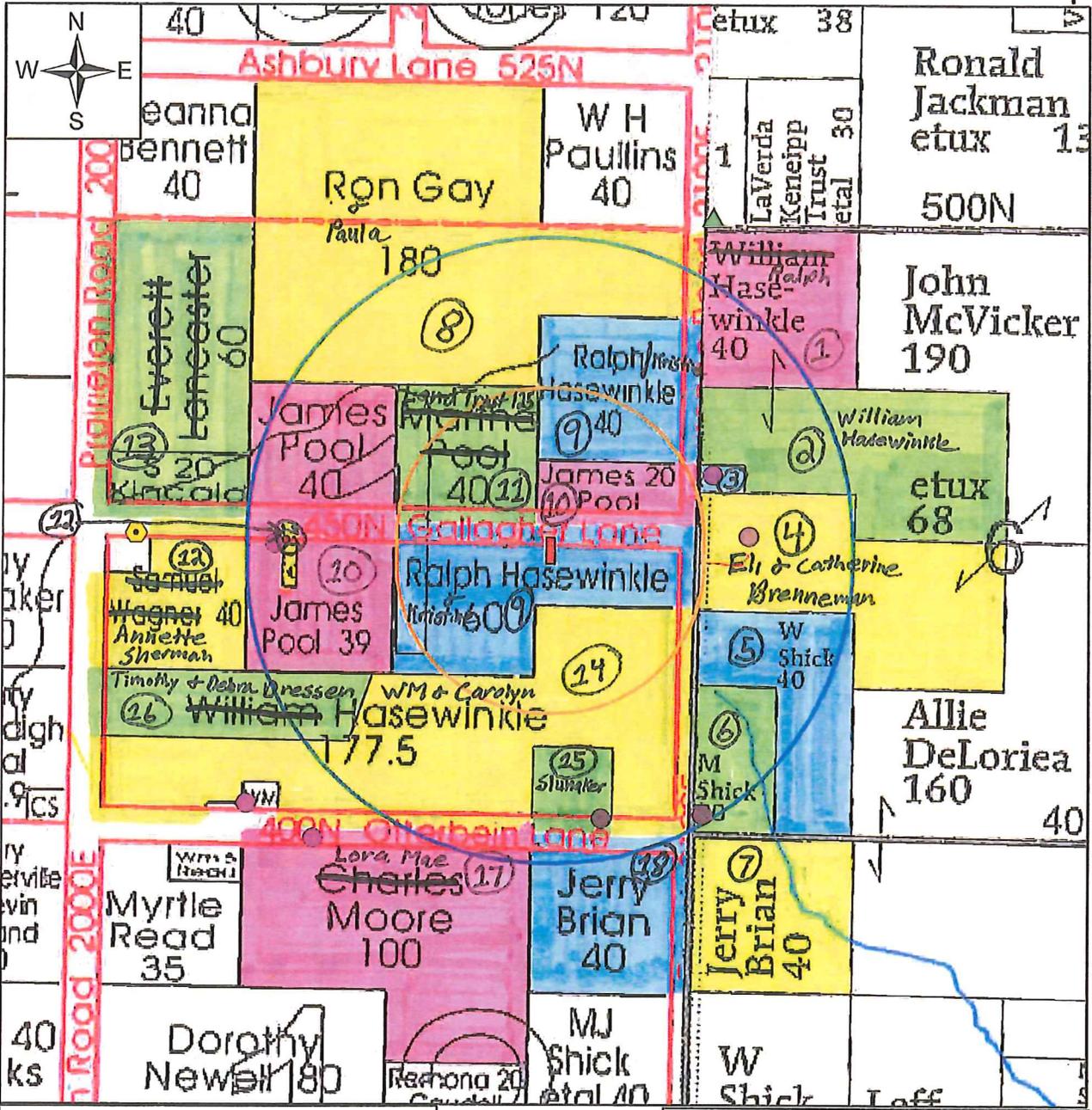
- ▲ Common Place of Assembly
- ⬡ Non_Farm Business
- Residence
- Proposed Facility
- Residence_Setback (1320 ft)
- Populated_Area_Setback_(2640_ft)

Topographic Source: USDA - NRCS



Dickirson

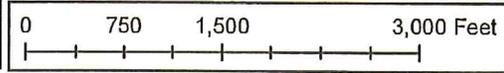
Landowner Map

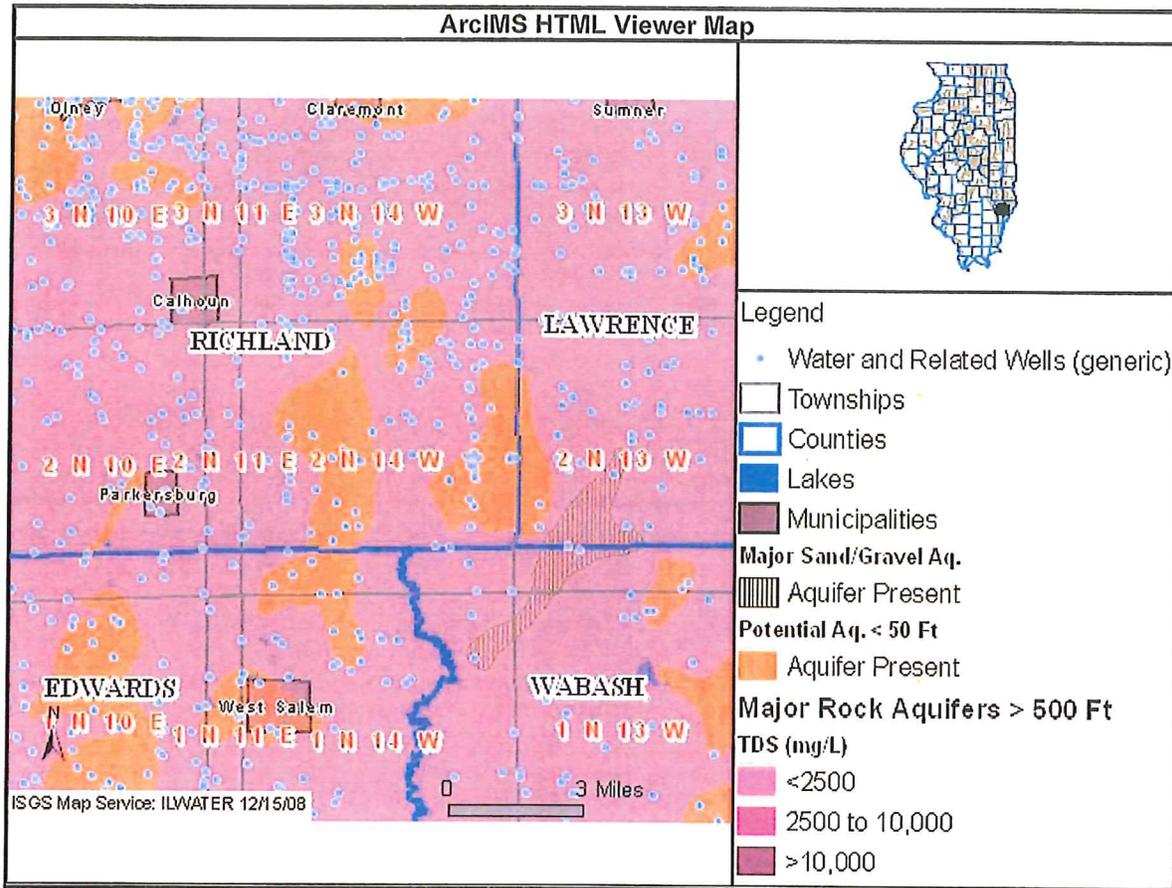


Legend

- Common Place of Assembly
- Non_Farm Business
- Residence
- Proposed Facility
- Residence_Setback (1320 ft)
- Populated_Area_Setback_(2640_ft)

Plat Source: Richland Co, IL
 2001 prepared by Richland County Farm Bureau
 Lawrence Co, IL
 Prepared by Farm & Home Publishers, LTD





Applicant: Farm Service Agency, USDA
Contact: John Gehrke
Address: 301 South 3rd Street
Vandalia, IL 61471

IDNR Project #: 1305230
Date: 10/17/2012

Project: Loren Dickirson
Address: [redacted] Sumner

Description: Construction of a swinne finishing unit

Natural Resource Review Results

This project was submitted for information only. It is not a consultation under Part 1075.

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Berryville Geological Area INAI Site

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Richland

Township, Range, Section:

2N, 14W, 1 2N, 14W, 2
2N, 14W, 11 2N, 14W, 12



IL Department of Natural Resources Contact
Impact Assessment Section
217-785-5500
Division of Ecosystems & Environment

Local or State Government Jurisdiction
U.S. Department of Agriculture

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

<u>INAI Name</u>	<u>INAI Number</u>	<u>Categories</u>	<u>Acreege</u>
Allison Ditch	1321	II	1.36
Allison Gravel Prairie	1703	II-R	4.70
Berryville Geological Area	0682	IV	4.38
Centerville Cemetery	1322	II	0.66
Chauncey Marsh	0038	I, II, II-R, III	1,416.06
Lawrenceville Airport	1323	II	1,470.87
Miller Pond	1530	I	126.59
Red Hills Seep Springs	1320	II, III	14.24
Red Hills Woods	0040	I, III	37.12
Robeson Hills	0014	I, II, III	303.17
Shellbark Bottoms	1768	III	427.83
Thacker - Pauley Marsh	0082	II	47.59
Wabash River - Mount Carmel	1324	II, III, VI	3,787.15

Total # of Sites in County 13

Total acreage of Sites in County 7,642

Lee

Amboy Central Railroad Prairie	0694	I	1.30
Amboy North Railroad Prairie	0693	I, III	16.60
Amboy South Railroad Prairie	0695	I	9.73
Ashton East Geological Area	0691	IV	9.37
Ashton Geological Area	0478	IV	7.21
Augustana Sedge Meadow	1828	I	6.56
Bartlett Woods	0688	III	31.19
Broderick Prairie	1552	II	76.64
Compton Geological Area	0690	IV	15.16
Dickenson Site	1114	II	18.55
Dixon Southwest Geological Area	0479	IV	18.69
East Grove	1109	II	22.69
Five-Points Bog	1551	II	19.15
Foley Sand Prairie	0683	I, III	15.88
Franklin Creek	1068	II, III, IV	245.78
Grand Detour Botanical Area	0686	II, III	16.69
Green River Lowlands	1621	II	1,106.85
Green River Prairie and Wetlands	1072	I, II	1,137.73
L & M Prairie	0772	II, III	14.50
Longanecker Farm	1115	II	9.55
Lowell Park	1622	I	94.97
Nachusa Grasslands	0685	I, II	2,912.45
Rock River Botanical Area	0684	II	4.63
Rockyford Road Site	1111	I, II	21.35
Ryan Wetland and Sand Prairie	1681	II	202.30
Sand Prairie Habitat Area	1112	II	259.83
Sandy Hill Slough	1110	II	43.33
Temperance Hill Cemetery Prairie	0689	I, III	2.34

Total # of Sites in County 28

Total acreage of Sites in County 6,341

Livingston

Broughton Cemetery Prairie	1784	I	1.04
English Prairie	0698	I, III	0.54
Felky Slough - Saunemin Reach	1715	VI	54.55
Kelly Creek - Charlotte Reach	1714	VI	37.90
Livingston002	1807	I	2.29

Illinois Natural Areas Inventory (INAI) sites

October 2012

INAI Category Descriptions:

Cat. I = High quality natural community and natural community restorations

Cat. II = Specific suitable habitat for state-listed species or state-listed species relocations

Cat. III = State dedicated Nature Preserves, Land and Water Reserves, & Natural Heritage Landmarks

Cat. IV = Outstanding geological features

Cat. V = Not used at this time

Cat. VI = Unusual concentrations of flora or fauna and high quality streams

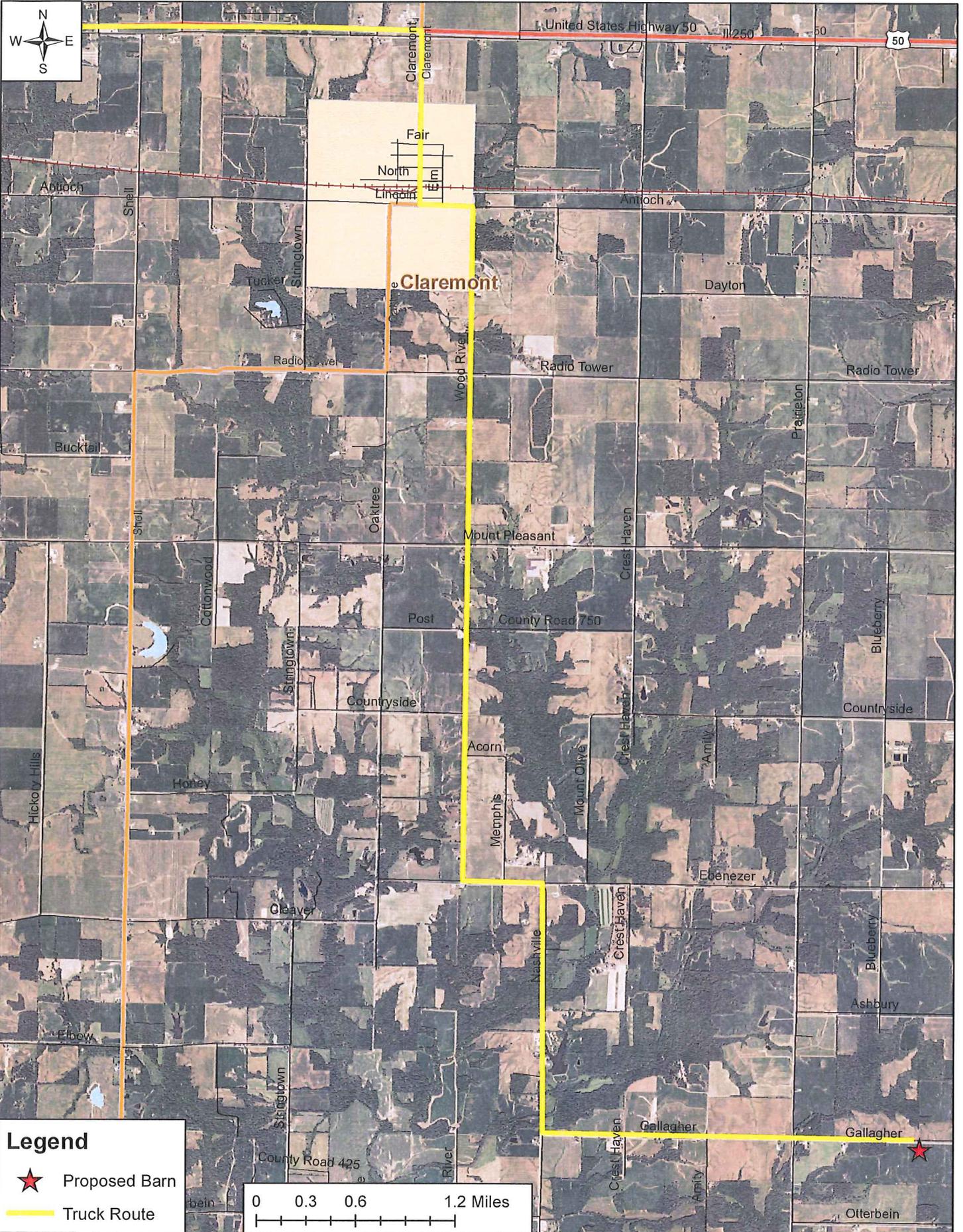
Cat. VII = Not used at this time

<u>INAI Name</u>	<u>INAI Number</u>	<u>Categories</u>	<u>Acreage</u>
Adams			
Burton Cave	0385	II, III	85.51
Burton Creek Natural Area	0147	I, II	185.02
Byler Cemetery Savanna	0371	I, III	1.05
Columbus Cemetery Site	1604	II	0.89
Fall Creek Gorge	0148	I, III	45.73
Fishhook Creek Area	1282	II	2,272.80
Long Island	0146	I, II	4,677.47
McKee Creek Barrens and Sedge Seep	0173	I, II, III	355.83
Mill Creek Geological Area - A	0444	IV	1.78
Paloma Railroad Prairie	1644	I	9.48
Quincy Geological Area	0401	IV	1.59
Rice School Geological Area	0507	IV	15.58
Zion Church Geological Area	0508	IV	2.30
Total # of Sites in County			13
Total acreage of Sites in County			7,655

Alexander

Big Brushy Ridge	1145	I, II	168.98
Black Powder Hollow Geological Area	0511	IV	3.93
Brown's Bar	1146	II	701.62
Bumgard Island	1147	II	1,856.85
Burnham Island	1148	II	1,153.07
Clear Creek	0877	II	79.30
Clear Creek Swamp	0309	II	95.13
Dongola Hollow Geological Area	0403	IV	5.73
Gale Geological Area	0404	IV	1.06
Gale North Geological Area	0408	IV	0.74
Horseshoe Forest	0374	I, III	229.52
Horseshoe Lake	0375	I, II, III	302.78
Horseshoe Lake Botanical Area	0386	II	0.16
Horseshoe Lake South	0376	II	1.30
Horseshoe Lake State Conservation Area	1155	II, III	73.98
Lake Creek	1153	II	60.21
Magazine Mine Hollow	1421	II	16.26
Miller Creek	1422	II, VI	41.97
Miller Hills	1785	II, VI	1,205.68
Opossum Trot Trail	0310	I, II	48.95
Ozark Hill Prairies	0509	I, II	469.62
Provo Cemetery Barrens	1144	I	87.79
South Tamms Marsh	1601	II	11.95
Thebes Area	1151	II, IV	884.92

Dickirson





Illinois Historic
Preservation Agency

1 Old State Capitol Plaza • Springfield, Illinois 62701-1512 • www.illinois-history.gov

RECEIVED

OCT 24 2012

FAYETTE COUNTY FSA OFFICE
VANDALIA, ILLINOIS

Richland County
Berryville
Gallagher Lane
Section:1-Township:2N-Range:14W
IDOA, USDA FSA
New construction, livestock management & waste handling facilities

PLEASE REFER TO: IHPA LOG #002051812

October 19, 2012

John Gehrke
United States Department of Agriculture
Farm Service Agency
301 S. 3rd St.
Vandalia, IL 62471

Dear Mr. Gehrke:

We have reviewed the documentation submitted for the referenced project(s) in accordance with 36 CFR Part 800.4. Based upon the information provided, no historic properties are affected. We, therefore, have no objection to the undertaking proceeding as planned.

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for two (2) years from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you are an applicant, please submit a copy of this letter to the state or federal agency from which you obtain any permit, license, grant, or other assistance.

Sincerely,

Anne E. Haaker
Deputy State Historic
Preservation Officer

c: Warren Goetsch, Illinois Department of Agriculture

SPECIFICATIONS – WINDBREAK / SHELTERBELT ESTABLISHMENT

Landowner: Loren Dickerson	Farm #:	Tract #:
Field(s):	County: Richland	
Designed By:	Approved By:	
Date:	Date:	

Purpose (check all that apply)	
<input type="checkbox"/> Reduce soil erosion from wind	<input checked="" type="checkbox"/> Provide visual screens
<input type="checkbox"/> Protect plants from wind-related damage	<input checked="" type="checkbox"/> Improve air quality - reducing particulate matter, chemicals, odor
<input type="checkbox"/> Alter microenvironment for enhancing plant growth	<input type="checkbox"/> Delineate property and field boundaries
<input type="checkbox"/> Manage snow deposition	<input type="checkbox"/> Improve irrigation efficiency
<input checked="" type="checkbox"/> Provide shelter for structures, animals, and people	<input type="checkbox"/> Increase carbon storage in biomass and soils
<input type="checkbox"/> Enhance wildlife habitat by providing travel corridors	<input type="checkbox"/> Reduce energy use
<input checked="" type="checkbox"/> Provide noise screens	

Location and Layout		
Width (feet; include widths of maintenance areas next to outer rows):50		
Length (feet):500	Area (acres):0.57	Distance from area to be protected to first row: 50
Total area of zone protected/sheltered (acres; based on expected height and density of the windbreak/shelterbelt):		
Additional requirements:		

Site Information	
Soil Type:	Applicable CTSG:
Additional site conditions:	

Woody Plant Materials Information (For NRCS Check Out – confirm and/or note alterations in this table between design specifications and actual establishment materials and layout)

Species/cultivar by row number:	Kind of stock ¹ :	Planting Dates	Distance between plants within row (ft):	Total number of plants for row:	Distance (ft) from this row to next row ² :
1 Spicebush/ Downy Serviceberry	BA	fall	8	63	8
2 Eastern White Pine	BA	fall	16	32	16
3 Eastern White Pine	BA	fall	16	32	16
4					
5					
6					
7					
8					
9					
10					

¹BA=bareroot, CO=container, C=cutting, SE=seedling; include size, caliper, height, and age as applicable. ²Adjusted for width of maintenance equipment.

Temporary Storage Instructions
<i>Planting stock that is dormant may be stored temporarily in a cooler or protected area. For stock that is expected to begin growth before planting, dig a V-shaped trench (healing-in-bed) sufficiently deep and bury seedlings so that all roots are covered by soil. Pack the soil firmly and water thoroughly. Additional requirements:</i>

Site Preparation
<i>Remove debris and control competing vegetation to allow enough spots or sites for planting and planting equipment. Prepare all spot or strip treatment to a minimum of 4 feet diameter or width. Additional requirements:</i>

Planting Methods
<i>For container and bareroot stock, plant stock to a depth even with the root collar in holes deep and wide enough to fully extend the roots. Pack the soil firmly around each plant. Cuttings are inserted in moist soil with at least 2 to 3 buds showing above ground. Additional requirements:</i>

Operation and Maintenance
<i>Inspect windbreak/shelterbelt components periodically and protect from damage so proper function is maintained. Replace dead or dying tree/shrub stock and continue control of competing vegetation to allow proper establishment. Provide supplemental irrigation and nutrients if required. Additional requirements:</i>

WINDBREAK / SHELTERBELT ESTABLISHMENT