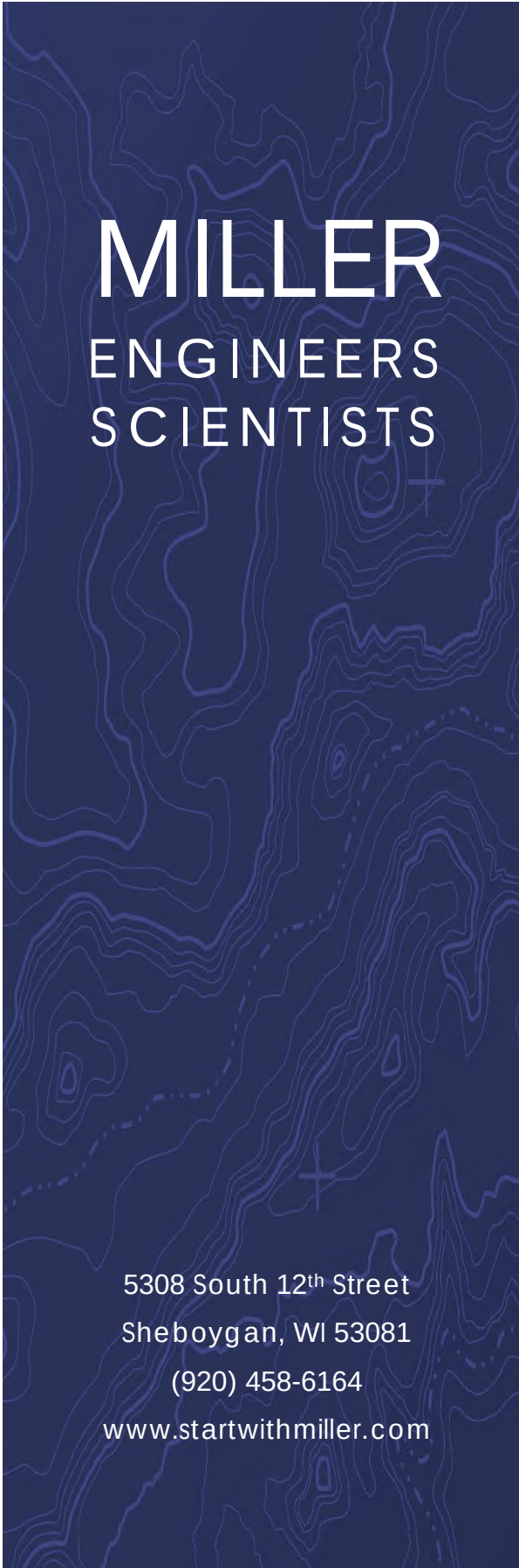




MILLER

ENGINEERS SCIENTISTS

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Livestock Facility Siting

January 23, 2026

Prepared for:

Rob-N-Cin Farms LLC
5545 County Road Y
West Bend, WI 53095

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Introduction

Miller Engineers & Scientists (Miller) has prepared this Livestock Facility Siting License Application on behalf of Rob-N-Cin Farms LLC (farm or facility). The purpose of this Application is to provide approval for the Farm to house 2,500 animal units (AUs) at their facility located in the Town of Trenton, Washington County, Wisconsin. As required by the Town, the Wisconsin Department of Agriculture, Trade & Consumer Protection (WDATCP) Livestock License Application Form and Worksheets (WDATCP Application) for livestock facilities are included in Appendix A.

Site Description

Rob-N-Cin Farms is an existing dairy cow operation located at 5545 County Road Y, Town of Trenton, Washington County, and generally consists of the farmstead and cropland acres owned and/or operated by the Farm.

- The farm with existing and proposed structures is presented on the Site Map included in Appendix B. The proposed freestall barn addition(s) will allow an increase from the current 1,470 animal units to the proposed 2,500 animal units. A list of the facilities is as follows:
 - o Animal Housing
 - Freestall barns: FSB1, FSB2, Dry Cow, and Drover Lane
 - Bedded-pack barns: Steer, Heifer, and Calf 1-8
 - o Waste Storage and Transfer
 - Liquid Storage: WSF1, WSF2, and WSF3
 - Solid Storage: Stacking Pad and Separated Solids Pad
 - Waste Transfer Systems T1 through T8
 - o Animal Lots FL1 North and FL2
 - o Other
 - Parlor with holding area, (2) machine sheds, commodity shed, grain bins/silos, feed storage areas FSA1 and FSA3, house, and Barnyard Adventures building.
- The proposed waste generation and storage volumes are summarized in the *Waste Generation and Storage Volumes* table included in Appendix C.
- The farm lies within the Cedar Creek Watershed. The North Branch of Cedar Creek (WBIC 22500) is located approximately 0.3 miles away from the main farm. The North Branch of Cedar Creek is not considered impaired.
- The farm is in an area of minimal flood hazard (Zone X) per FEMA Flood maps and is not in a 100-year floodplain based on our review of DNR Surface Water Data Viewer map sites.
- Miller has performed topographic surveys at the site since 2013 in WISCORS - Washington County for the purpose of designing and documenting construction of facilities. The topography of the site ranges from 869 feet to 858 feet with the lowest elevations occurring at the east and southwest sides.
- Wetland delineations and determinations were performed for site designs and are on record with the designs and DNR.
- Area and Site Maps of the facility in accordance with Sections 9 and 10 of the WDATCP Application are included in Appendix B.

The proximity of the farm with respect to shoreland zoning and surface water features including DNR mapped wetland areas and floodplains, is shown in Figure 1 on the next page.



Location of Livestock Structures

Existing livestock structures comply with the setback requirements (150' from right-of-way and 200' from property line) as specified in WDATCP 51 for facilities housing over 1,000 animal units with the following exceptions: Calf Barns 2 through 8, Outdoor Lot FL2, Heifer Barn, Feed Storage Areas FSA1 and FSA3, and the Commodity Shed. These facilities were in existence before the Town adopted WDATCP Livestock Facility Siting rules and are therefore grandfathered into compliance.

Existing waste storage facilities comply with the setback requirements (350' from right-of-way and property line) as specified in WDATCP 51 for facilities housing over 1,000 animal units with the following exception: Waste Storage Facility WSF1 and associated Waste Transfer Systems T1, T4 and T8. These facilities were in existence before the Town adopted WDATCP Livestock Facility Siting rules and are therefore grandfathered into compliance.

Proposed structures consist of additions to Freestall Barn FSB2 and to the Stacking Pad. The proposed additions comply with the setback requirements.

There are two wells (TL767 and AA0478) located at the Farm as shown on the Site Map included in Appendix B. Well construction was completed in accordance with NR812 WDNR approvals.

Odor Score Evaluation

Summary tables describing each structure (existing and proposed) in the odor score are included in Appendix D. Best management practices (BMPs) for odor reduction are utilized at the farm and are accounted for in the odor score accordingly. Odor score spreadsheets and a map of affected neighbors are included in Appendix D.

Employee Training Plan

Included in Appendix E in accordance with Section 12 of the WDATCP Application.

Environmental Incident Response Plan

Included in Appendix F in accordance with Section 13 of the WDATCP Application.

Other Laws and Permits

- Town Zoning
- Town Building Permit
- County Animal Waste Storage Facilities and Erosion Control and Stormwater Management
- DNR Chapter NR216 – Stormwater Discharge and NR243 – Animal Feeding Operations

List of Appendices:

Appendix A: Application Form and Worksheets (WDATCP Application)

Appendix B: Maps

Appendix C: Waste Generation and Storage Volumes

Appendix D: Odor Score

Appendix E: Employee Training Plan

Appendix F: Environmental Incident Response Plan

Appendix G: Restriction Maps and DNR NMP Approval Letter

APPENDICES

Appendix A: Application Form and Worksheets (WDATCP Application)

Chapter ATCP 51
APPENDIX A
APPLICATION FORM AND WORKSHEETS

Application for Local Approval
New or Expanded Livestock Facility



Wisconsin Department of Agriculture, Trade and Consumer Protection
2811 Agriculture Drive
P.O. Box 8911
Madison, WI 53708-8911
(608) 224-4630
livestocksiting@wisconsin.gov

Introduction

Use this application form to obtain local approval for a *new* or *expanded* livestock facility (cattle, swine, poultry, sheep or goats) that will exceed 500 “animal units” (or a lower threshold established by local zoning ordinance prior to July 19, 2003).

Some local governments require local approval, but others do not. Check with your local government (county and town or municipality) to see if local approval is required in your area.

In some cases, you may need local approval from more than one local government (for example, the county and the town, or 2 towns if your livestock facility straddles the town line). But the application and approval process should be the same.

The construction of a new or altered *livestock structure* does not, by itself, constitute an “expansion” (unless there will also be an increase in *animal units*). If you already have a permit or local approval, you may not need another approval unless your planned expansion exceeds the number of animals previously authorized by your local government.

Local approval, if required, is governed by statewide uniform standards in Wisconsin Statutes s. 93.90 and Wisconsin Administrative Code chapter *ATCP 51*. This application documents compliance with those standards.

The Livestock Facility

A livestock facility includes livestock, livestock structures, the land on which they are located (it does not include pastures or winter grazing areas). *Related livestock facilities* (see definition below) are treated as a single livestock facility, for purposes of local approval. However:

- A *separate species facility* (see definition below) may be treated as a separate livestock facility, even if it is owned by the same person and located on the same land parcel as another livestock facility.
- A mere acquisition of a neighboring livestock facility does not constitute an *expansion* unless more *animal units* are added to the combined facilities.

Completing the Application

If local approval is required, complete this entire application form (including the worksheets). Follow the instructions in the application form. Attach all of the supplementary documentation required. Your application must be complete, credible and internally consistent.

The application form and worksheets ask for information to show compliance with Wisconsin livestock facility siting standards. A local government has *very limited* authority to modify the standards by local ordinance (modifications, if any, must be reflected in the local version of this application form).

As part of your application, you must specify the number of *animal units* that you will keep at a new or expanded livestock facility. If the local government approves your requested number, this will be the maximum number that you may keep for 90 days or more in any 12-month period.

A local government may require you to submit up to 4 duplicate copies of the complete application, worksheets, maps and other attachments. But you are not required to submit duplicate copies of engineering design specifications.

Worksheets

This application includes the following worksheets:

- *Animal units* (worksheet 1)
- Odor management (worksheet 2)
- Waste and nutrient management (worksheet 3)
- Waste storage facilities (worksheet 4)
- Runoff management (worksheet 5)

Complete the worksheets following all instructions (including those on each worksheet). You may use a conve-

nient automated spreadsheet in place of Tables A and B of worksheet 2 if you prefer (results are identical). The spreadsheet is available at <http://www.datcp.state.wi.us>.

If the Wisconsin Department of Natural Resources (*DNR*) has issued a Wisconsin Pollutant Discharge Elimination System (*WPDES*) permit for your proposed livestock facility, you can check a box on worksheets 3, 4 and 5, and submit a copy of that permit with the worksheets. A *WPDES* permit does not affect the requirements for completing worksheets 1 and 2.

Fees

A local government may require a fee to offset its reasonable costs to review and process this application. The fee, if any, must be established by local ordinance and may not exceed \$1,000. A local government may NOT charge any other fee, or require you to post any bond or security.

Local Approval Process

If you complete the application properly, the local government **MUST APPROVE** the proposed livestock facility unless it finds, based on clear and convincing evidence in the local record, that the facility fails to meet the state standards.

Within 45 days after you submit your application, the local government must notify you whether your application is complete. If you failed to complete part of the application, you must submit the missing information. The local government must grant or deny the application within 90 days after it declares the application complete, and issue its decision in writing. The approval must include a duplicate copy of the approved application, marked “approved.” The duplicate copy shall include all the worksheets, maps, and other attachments included in the application, with the exception of the engineering design specifications. The local government must make a record of its decision making process, and the evidence supporting its decision. The record must include your application.

Appeal of Local Decision

If you disagree with the local government’s decision on your application, you may appeal that decision to the Wisconsin Livestock Facility Siting Review Board (“Board”). Other “aggrieved persons” may also appeal to the Board. An “aggrieved person” includes any person who resides or owns land within 2 miles of your proposed livestock facility.

You must file your appeal within 30 days after the local government issues its decision (or, if you pursue a local administrative appeal process first, within 30 days after that appeal process is complete). The Board will review the local decision based on the evidence in the local record (it will not hold a new hearing or accept new testimony or evidence). You must file your appeal in writing at the following address:

Wisconsin Livestock Facility Siting Review Board
c/o Secretary, Department of Agriculture, Trade and Consumer Protection
P.O. Box 8911
Madison, WI 53708-8911

Terms Used in this Application Form

In this application form, you will see a number of ***italicized*** terms. Those terms are defined below (for more specific definitions, see *ATCP 51*):

“Adjacent” – Located on land parcels that touch each other, or on land parcels that are separated only by a river, stream, or transportation or utility right-of-way.

“Affected Neighbors” – Residences or *high-use buildings* within 2500 feet of any livestock structure at the proposed facility, other than those owned by the applicant or by persons who have agreed to exclude them from the applicant’s odor score calculation. The total odor score for a *livestock facility* depends, in part, on the proximity and density of “affected neighbors.”

“Animal housing area” – That portion of an animal housing structure to which animals have access, and in which manure may accumulate. “Animal housing area” includes free-stalls and travel lanes. It does NOT include holding areas, feed alleys, storage areas or milking parlors.

“Animal lot” – A feedlot, barnyard or other outdoor facility where livestock are concentrated for feeding or other purposes. Pastures and winter grazing areas are NOT “animal lots.” Treat multiple “animal lots” as a single “animal lot” if runoff from the “animal lots” drains to the same treatment area or if runoff from the “animal lot” treatment areas converges or reaches the same surface water within 200 feet of any of those treatment areas.

“Animal units” – Equivalent units of *livestock*. The number of animals constituting an “animal unit” varies by species. For example, one milking dairy cow equals 1.4 “animal units.” A beef animal over 600 lbs. equals 1.0 “animal units.” A pig over 55 lbs. equals 0.4 “animal units.” A laying chicken equals 0.01 “animal unit.” The number of “animal units” kept at a *livestock facility* means the largest number of “animal units” that will be at the *livestock facility* on at least 90 days in any 12-month period. Calculate “animal units” according to worksheet 1.

“BARNY runoff model” – The Wisconsin version of a model that is commonly used to predict nutrient runoff from *animal lots*. An Excel computer spreadsheet version is available on the DATCP website (engineering directory).

“Certified agricultural engineering practitioner” – A practitioner who is properly qualified under *ATCP 50.46*.

“Cluster” – Any group of one or more *livestock structures* within a *livestock facility*. If you wish to do so, you may calculate separate odor scores for “clusters” that are separated by more than 750 feet.

“Complete application for local approval” – An application that contains everything required under ss. [ATCP 51.30\(1\)](#) to (4).

“DATCP” – Wisconsin Department of Agriculture, Trade and Consumer Protection. The application form cites DATCP rules including Wis. Adm. Code chs. [ATCP 51](#) (livestock facility siting), *ATCP 50* (soil and water resource management) and *ATCP 17* (livestock premises registration).

“DNR” – Wisconsin Department of Natural Resources. The application form cites DNR rules including Wis. Adm. Code chs. [NR 243](#) (*WPDES* permits), *NR 811* (community wells) and *NR 812* (private wells).

“Expanded livestock facility” – The entire *livestock facility* created by an *expansion*, including new, existing and altered *livestock structures* (existing structures are subject to less rigorous standards). Your application must indicate the maximum number of *animal units* that you will keep at the “expanded livestock facility.”

“Expansion” – An increase in the largest number of *animal units* kept at a *livestock facility* on at least 90 days in any 12-month period. The acquisition of an existing livestock facility, by the operator of an *adjacent* facility, is not an “expansion” unless the operator increases the largest number of *animal units* kept at the combined livestock facilities on at least 90 days in any 12-month period.

“High-use building” – A residential building that has at least 6 distinct dwelling units; a restaurant, hotel, motel, or tourist rooming house; a school building; a hospital or licensed care facility; or a non-farm business or workplace that is open at least 40 hours a week. The odor score for your *livestock facility* depends, in part, on the proximity and density of neighboring “high-use buildings.”

“Karst features” – Sinkholes, fractured bedrock or like features that may result in direct pollution runoff to groundwater.

“Livestock” – Cattle, swine, poultry, sheep or goats.

“Livestock facility” – A feedlot, dairy farm, or other operation where *livestock* are or will be fed, confined, maintained, or stabled for a total of 45 days or more in any 12-month period. A “livestock facility” includes all of the tax parcels on which the facility is located, but it does NOT include a parcel used only for *pasture* or as a *winter grazing area*. *Related livestock facilities* are considered a single “livestock facility,” except a livestock operator may elect to treat a *separate species facilities* as a separate livestock facility.

“Livestock structure” – A building or structure such as a barn, milking parlor, feed storage facility, feeding facility, *animal lot* or *waste storage structure*. *Pastures*, *winter grazing areas* and machine sheds are NOT “livestock structures.”

“Local approval” – A license, permit, special zoning exception, conditional use permit, or other local authorization for a *new or expanded livestock facility*. This application form applies, regardless of the form of local approval. However, this application form does NOT cover any of the following permits (for which separate requirements may apply):

- Building, electrical or plumbing permits (if local standards are consistent with state code).
- Manure storage system permits (*see ATCP 50.56*), UNLESS construction is part of a *new or expanded livestock facility*.
- Permits required by certain local ordinances related to shoreland zoning, floodplain zoning, construction site erosion control or stormwater management.

Published under s. 35.93, Stats. Updated on the first day of each month. Entire code is always current. The Register date on each page is the date the chapter was last published.

“New livestock facility” – A *livestock facility* used for the first time, or for the first time in at least 5 years.

“NRCS” – The Natural Resource Conservation Service of the United States Department of Agriculture. Wisconsin livestock siting standards refer to NRCS Technical Guide standards.

“Pasture” – Land on which livestock graze or otherwise seek feed in a manner that maintains the vegetative cover over all of the grazing or feeding area.

“Premises ID” – The unique ID number assigned to your *livestock facility* under the Wisconsin Livestock Premises Registration Program (ATCP 17). Go to <http://www.datcp.state.wi.us> for more information. To register your *livestock facility*, go to <http://www.wiid.org/>.

“Qualified nutrient management planner” – A person, other than the applicant, who is qualified under ATCP 50.48.

“Related livestock facilities” – Two or more *livestock facilities* that are owned or managed by the same person and meet any of the following criteria:

- They are located on the same tax parcel or *adjacent* tax parcels.
- They use any of the same *livestock structures* to collect or store manure.
- They generate manure that is applied to the same parcel of land.

“Separate Species Facility” – A distinct part of a *livestock facility* that meets all of the following criteria:

- It has only one of the following types of livestock, and that type is not found in any other part of the *livestock facility*:
 - Cattle
 - Swine
 - Poultry
 - Sheep
 - Goats
- It has no more than 500 *animal units*.
- Its animal housing and manure storage structures, if any, are located at least 750 feet from *livestock structures* that are used by other parts of the *livestock facility*.

“Substantially altered” livestock structure – A *livestock structure* that undergoes a material change in construction or use such as:

- An increase in the capacity of a *waste storage facility*.
- The addition of a liner to a *waste storage facility*.
- An increase of more than 20% in the area or capacity of a *livestock structure* used to house, feed, or confine *livestock* or to store livestock feed.
- An increase of more than 20% in the number of *animal units* that will be kept in a *livestock structure* on at least 90 days in any 12- month period.

“Waste storage structure” – An embankment structure, excavated pit, dugout or fabricated structure that is used to store manure, milking center waste or other organic waste generated by a *livestock facility*. For the purposes of waste storage structure setback (application form, A-2) and worksheet 2, a “waste storage structure” does not include a structure used to collect and store waste under an animal housing facility, or a manure digester consisting of a sealed structure in which manure is subjected to managed biological decomposition.

“Waste storage facility” -- A *waste storage structure* and any attached piping or equipment used to load or unload the structure.

“Winter grazing area” – Cropland or *pasture* where *livestock* feed on dormant vegetation or crop residue, with or

without supplementary feed, during the period October 1 to April 30. “Winter grazing area” does *not* include any of the following:

- An area, other than a *pasture*, where *livestock* are kept during the period from May 1 to September 30.
- An area which at any time has an average of more than 4 *animal units* per acre.
- An area from which *livestock* have unrestricted access to navigable waters of the state.
- An area in which manure deposited by *livestock* causes nutrient levels to exceed standards in *ATCP 51.16*.

“**WPDES permit**” – Wisconsin Pollutant Discharge Elimination System permit issued by DNR for a concentrated animal feeding operation over 1000 *animal units*, or for operations of any size that discharge pollutants directly to waters of the state.

arm-lwr- 11/04 January, 2006  Wisconsin Department of Agriculture, Trade and Consumer Protection 2811 Agriculture Drive, PO Box 8911, Madison WI 53708-8911 Phone: (608) 224-4630 or livestocksting@wisconsin.gov				
Application for Local Approval <i>New or Expanded Livestock Facility</i>			Wis. Statutes s. 93.90 Wis. Adm. Code ch. ATCP 51	
1. Legal Name of Applicant (Business Entity): Rob-N-Cin Farms LLC				
2. Type of Business Entity: check one				
☐ Individual	☐ Corporation	☐ Partnership	☐ Cooperative	☒ LLC
☐ Trust	☐ Other	Describe:		
3. Other names , if any, under which applicant does business (list all):				
4. Contact Individual:		Name: Robert Roden		
Phone: 262-689-1037		E-mail: robncinfarms@gmail.com		
5. Business Address: Street Address: 5545 County Road Y				
City/Village/Town: West Bend, Town of Trenton		County: Washington	State: WI	Zip: 53095
6. Principal Owners or Officers (list if applicant is an entity other than an individual):				
Name: Robert Roden		Title: Owner	Phone: 262-689-1037	
Address: 5545 County Road Y		City: West Bend	State: WI	Zip: 53095
Name: Rick Roden		Title: Owner	Phone: 262-689-1038	
Address: 5579 County Road Y		City: West Bend	State: WI	Zip: 53095
Name: Cynthia Roden		Title: Owner	Phone: 262-689-4561	
Address: 5545 County Road Y		City: West Bend	State: WI	Zip: 53095
7. Description of Proposed Livestock Facility				
Check one: ☐ New Livestock Facility ☒ Expanded Livestock Facility			Premises ID:	
Address of Proposed Livestock Facility: 5545 County Road Y				
City/Village/Town: West Bend, Town of Trenton		County: Washington	State: WI	Zip: 53095
Town # 11N	Range # (E or W) 20E	Section # 25	¼ Section # SE	

Application (continued)
8. Total Animal Units Enter total <i>animal units</i> from worksheet 1: Total Animal Units: <u>2500</u>. This is the maximum <i>livestock facility</i> size for which the applicant requests approval at this time.
9. Area Map of Livestock Facility Attach a scale map or aerial photo of the proposed <i>livestock facility</i> and surrounding area. The map or photo must be appropriately sized and marked, so that it clearly and legibly shows all of the following: • All existing and proposed <i>livestock structures</i>. Label each <i>livestock structure</i> to show structure type, and whether existing or proposed. • The area lying within 2 miles of any of the <i>livestock structures</i>. Show all existing buildings, property lines, roadways, and navigable waters lying within that area. • All residences and <i>high use buildings</i> within 2500 ft. of any <i>livestock structure</i>. Show which (if any) of those buildings are owned by the applicant, or by persons who have agreed to exclude the buildings from the applicant's odor worksheet calculations. • Topographic lines at 10 ft. elevation intervals. • Map scale and north direction indicator.
10. Site Map of Livestock Facility Attach a scale map or aerial photo of the proposed <i>livestock facility</i> site. The map or photo shall be appropriately sized and marked, so that it clearly and legibly shows all of the following: • All existing and proposed <i>livestock structures</i>. Label each <i>livestock structure</i> to show structure type, and whether existing or proposed. • The area lying within 1,000 ft. of any of the <i>livestock structures</i>. Show all existing buildings, property lines, roadways, navigable waters, and known <i>karst features</i> within that area. • Topographic lines, at 2 ft. elevation intervals, for the area within 300 feet of the <i>livestock structures</i>. • Map scale and north direction indicator.
11. Location of Livestock Structures The applicant certifies that: • All <i>livestock structures</i> comply with applicable local property line and road setbacks (see <i>ATCP 51.12</i>). • All <i>waste storage structures</i> comply with setbacks in <i>ATCP 51.12(2)</i>. • All <i>livestock structures</i> comply with applicable local shoreland, wetland, and floodplain zoning ordinances (copies available from local government). • Wells comply with the Wisconsin well code (<i>NR 811</i> and <i>812</i>). <i>New or substantially altered livestock structures</i> are separated from existing wells (including neighbors' wells) by setback distances required in <i>NR 811</i> and <i>812</i>.

Application (continued)
12. Employee Training Plan Attach an Employee Training Plan for employees who will work at the <i>livestock facility</i>. Applicant determines plan contents, as long as the plan identifies all of the following: • Training topics including, at a minimum, nutrient management, odor management, runoff management, manure and waste handling, employee safety, and environmental incident response. • The number and job categories of employees to be trained. • The form and frequency of training, which at a minimum must include a plan for at least one training per year. • Training presenters (these may include <i>livestock facility</i> managers, consultants or professional educators). • A system for taking and recording attendance.
13. Environmental Incident Response Plan Attach an Environmental Incident Response Plan for the <i>livestock facility</i>. Applicant determines plans contents, as long as the plan identifies all of the following: • Types of environmental incidents covered. These must include, at a minimum, overflows and spills from waste storage facilities, catastrophic system failures, manure spills during transport and application, movement of manure during or after application, catastrophic mortality disposal emergency, and odor complaints. • The name and business telephone number of at least one individual who will handle public questions and concerns related to environmental incidents. • The names and telephone numbers of first responders (e.g. DNR, fire departments, excavation contractors). • Incident response procedures, including emergency response, recordkeeping and reporting procedures.
14. Odor Management Plan (<i>Optional</i>) An applicant required to complete the odor management worksheet may attach an <i>optional</i> odor management plan. The applicant determines plan contents, as long as the plan addresses all of the following: activities to reduce community conflict; practices used to reduce dust; practices used to reduce odor from feed storage leachate; practices used to conserve water; and practices used to reduce odor from dead animals.

Application (continued)
15. Other Laws The following laws, among others, may apply to the operation of a <i>livestock facility</i>. Local approval of a <i>livestock facility</i> siting application is NOT based on these laws, except as specifically provided in <i>ATCP 51</i>. However, violations may have other legal consequences: • Soil conservation and nonpoint pollution laws (contact your county land conservation department). Livestock facilities that have 1,000 or more animal units, or that discharge pollutants directly to waters of the state, must also obtain a <i>WPDES permit</i> from <i>DNR</i>. • Pesticide and agricultural chemical laws administered by <i>DATCP</i>. • Animal disease control laws administered by <i>DATCP</i>. • Animal mortality laws administered by <i>DATCP</i>. • Vehicle weight limits and state prohibitions against spilling waste on roads. • Food safety and animal health licenses administered by <i>DATCP</i>. All livestock operations must register, and some (such as dairy farms) must hold a state license. • Air pollution control regulations administered by <i>DNR</i>. • Building, electrical, plumbing and sanitation codes administered by the Wisconsin Department of Safety and Professional Services. A local authority may disapprove a proposed <i>livestock facility</i> that violates a conforming local code. • Construction site erosion control laws administered by <i>DNR</i>. • Local erosion control and stormwater management ordinances. • Petroleum storage laws administered by the Wisconsin Department of Safety and Professional Services. • High capacity well regulations administered by <i>DNR</i>.
16. Worksheets Complete worksheets as required (follow instructions on each worksheet) and attach to application.
Worksheet 1 – Animal Units.
Worksheet 2 – Odor Management.
Worksheet 3 – Waste and Nutrient Management. If you hold a <i>WPDES permit</i> from <i>DNR</i> for the same proposed <i>livestock facility</i> (for an equal or greater number of <i>animal units</i>), check the appropriate box on this worksheet, and submit a copy of the permit with this application.
Worksheet 4 – Waste Storage Facilities. If you hold a <i>WPDES permit</i> from <i>DNR</i> for the same proposed <i>livestock facility</i> (for an equal or greater number of <i>animal units</i>), check the appropriate box on this worksheet, and submit a copy of the permit with this application.
Worksheet 5 – Runoff Management. If you hold a <i>WPDES permit</i> from <i>DNR</i> for the same proposed <i>livestock facility</i> (for an equal or greater number of <i>animal units</i>), check the appropriate box on this worksheet, and submit a copy of the permit with this application.

Application (continued)	
Authorized Signature: <i>I certify that the information contained in this application (including worksheets and all attachments) is complete and accurate to the best of my knowledge.</i> <i>Robert Roden</i> Signature of Applicant or Authorized Representative <i>1-23-24</i> Date ROBERT RODEN Print Name MEMBER Title	
For Office Use Only:	
Application #:	
Date Application Received:	
Date Completeness Determined:	Date Notice Sent to Applicant:
Date Notice Sent to Adjacent Landowners:	
Decision Date:	
Approved or Disapproved:	
Date Appeal Filed (if any):	

ATOP 51-11/13 January 2006



Wisconsin Department of Agriculture, Trade and Consumer Protection
 28111 Agriculture Drive, P.O. Box 889111, Madison WI 53708-8911
 Phone: (608) 224-4630 or livestocktesting@wisconsin.gov

Worksheet 1 - Animal Units

Instructions: Use this worksheet to determine the number of *animal units* for which you request approval. You may request approval for a number that is large enough to accommodate current and potential future expansions. If the local government approves the requested number of *animal units*, that is the maximum number that you may keep for 90 days or more in any 12-month period. You may not exceed that number without additional approval.

To complete this worksheet:

1. Identify each type of livestock that you might keep at the proposed facility. Enter the maximum number of animals of each type that you might keep for at least 90 days in any 12-month period.
2. Multiply the number of animals of each type by the relevant Animal Unit Factor to obtain *animal units* of each type.
3. Sum the *animal units* for all livestock types to obtain the Total Animal Units for which you request approval.

	Livestock Type	Animal Unit Factor	Animal Units For Proposed Facility
Example = Milking & Dry Cows			1.4 x 800 = 1120 AU
Dairy	Milking and Dry Cows	1.4	1.4 x 1600 = 2240
	Heifers (800 lbs. to 1200 lbs.)	1.1	1.1 x 160 = 176
	Heifers (400 lbs. to 800 lbs.)	0.6	0.6 x =
Cattle	Calves (up to 400 lbs.)	0.2	0.2 x 170 = 34
	Steers or Cows (800 lbs. to market)	1.0	1.0 x 50 = 50
	Calves (under 800 lbs.)	0.5	0.5 x =
Beef	Bulls (each)	1.4	1.4 x =
	Pigs (55 lbs. to market)	0.4	0.4 x =
	Pigs (up to 55 lbs.)	0.1	0.1 x =
Swine	Sows (each)	0.4	0.4 x =
	Boars (each)	0.5	0.5 x =
	Layers (each)	0.01	0.01 x =
Poultry	Broilers (each)	0.005	0.005 x =
	Broilers - continuous overflow watering	0.01	0.01 x =
	Layers or Broilers - liquid manure system	0.033	0.033 x =
	Ducks - wet lot (each)	0.2	0.2 x =
	Ducks - dry lot (each)	0.01	0.01 x =
	Turkeys (each)	0.016	0.016 x =
	Sheep (each)	0.1	0.1 x =
	Goats (each)	0.1	0.1 x =
Total Animal Units for Which Applicant Requests Approval			= 2500

Robert Roden

Signature of Applicant or Authorized Representative

1-23-26

Date

Amended 11/20/04 January 2006



Wisconsin Department of Agriculture, Trade and Consumer Protection
2811 Agriculture Drive, PO Box 89111, Madison WI 53708-8911
Phone: (608) 224-4630 or livestocksting@wisconsin.gov

Worksheet 2 - Odor Management

Instructions: This worksheet addresses odor from *livestock structures*. You are NOT required to complete this worksheet if any of the following apply (check box if applicable):

- ☐ I am requesting approval for a *new livestock facility* with fewer than 500 animal units.
- ☐ I am requesting approval for an *expanded livestock facility* with fewer than 1,000 animal units.
- ☐ All *livestock structures* will be at least 2500 ft. from the nearest affected neighbor.

If you checked any of the above boxes, just sign below and submit this page with your application. If you did NOT check any of the above boxes, you must complete this worksheet to calculate the odor score (Box 4) for your proposed *livestock facility*. To meet the odor management standard, you must have a total odor score of 500 or more.

If *livestock structures* are located in *clusters* that are separated by more than 750 feet, you may elect to complete a separate worksheet for each *cluster*. If you choose that option, each *cluster* must meet the odor management standard.

A complete worksheet must include Tables A and B. You may use a convenient automated spreadsheet in place of Tables A and B if you prefer (submit spreadsheet output instead of tables, results will be identical). However, you must still sign and submit this signature page. The spreadsheet is available at the DATCP website, <http://www.datcp.state.wi.us>.

TO COMPLETE THIS WORKSHEET, FOLLOW THESE STEPS:

Step 1: Complete Table A to determine the Predicted Odor from your *livestock structures*. Enter the Predicted Odor in Box 3 below (NOT Box 1).

Step 2: Complete Table B to determine your Separation Score. Enter your Separation Score in Box 1 below. (NOT Box 2).

Step 3: Enter your management credits in Box 2 (maximum 100 points). All applicants may enter 80 points for completing required incident response and employee training plans (described on page A-3). Applicants completing an optional odor management plan (described on page A-3), may add an additional 20 points. Applicants determine plan contents, as long as the plan addresses the required topics.

Step 4: Add Box 1 and Box 2. Subtract Box 3 and enter the total in Box 4. This is your Odor Score.

NEIGHBOR J - ANDREW AND PATRICIA WILHELME

721	+	80	-	116	=	685
Box 1 Separation Score (from Step 2)		Box 2 Management Score (from Step 3)		Box 3 Predicted Odor (from Step 1)		Box 4 Odor Score

A local government must approve a *livestock facility* with an odor score of 500 or more (Box 4). You may add odor control practices to increase your odor score to 500 or more. A local government may approve, but is not required to approve, a *livestock facility* with an odor score less than 500 but not less than 470.


Signature of Applicant or Authorized Representative:

11-23-20
Date

TABLE A: Predicted Odor from Livestock Structures**Worksheet 2 (continued)**

Instructions: Complete Table A. You must measure all structures to the same affected neighbor. If the nearest neighbor is not the same for all livestock structures, you will need to complete the table once for each close neighbor. Compare the "H" Total of the table for each neighbor. The neighbor that has the lowest weighted distance is considered your nearest affected neighbor, and you should use that table to complete the odor worksheet. Enter the Column F total on page A-6 in **Box 3**. Enter the Column G result on page A-8 in **Table B, Step 1**. Add lines or use additional sheet, if needed, to list all structures.

1. Animal Housing Areas – List each

Column A Manure Management Type Enter your housing buildings and the related 4-letter code from Chart 2. You may exclude up to 1000 calf hutches and 4 structures less than the sq. footage listed in Chart 2.	Column B Odor Generation Number From Chart 2	Column C Housing Area (ft ²) Use occupied animal area only. Exclude feed alleys, holding areas and milking parlors. Express in 10,000's. (Ex: 15,523 ft ² = 1.55)	Column D Odor Control Practice Codes List all that apply to each housing area, from Chart 3	Column E Multiplier for Odor Control Practice List all that apply to each from Chart 3. Enter "1" if none.	Column F Predicted Odor Multiply columns B, C, and E	Column G Distance to Nearest Affected Neighbor (ft) Measure from corner of the bldg to corner of the neighbor's bldg. Measure all to the same neighbor.	Column H Weighted Distance (ft.) Multiply columns F & G
1A.							
1B.							
1C.							
1D.							
1E.							

2. Waste Storage Facilities – List each

Column A Waste Storage Type Enter 4-letter type code from Chart 2	Column B Odor Generation Number From Chart 2	Column C Exposed Surface Area Measure surface area (ft ²) when pit is filled to capacity, excluding freeboard. Enter in 10,000's. (Ex: 75,575 = 7.56)	Column D Odor Control Practice Codes List all that apply to each facility from Chart 3	Column E Multiplier for Odor Control Practice List all that apply to each from Chart 3. Enter "1" if none.	Column F Predicted Odor Multiply columns B, C, and E	Column G Distance to Nearest Affected Neighbor (ft) Measure from top inside edge to neighbor's bldg corner. Measure to the same neighbor.	Column H Weighted Distance (ft.) Multiply columns F & G
2A.							
2B.							
2C.							
2D.							

3. Animal Lots – List each

Column A Animal Lot Type Enter 4-letter type code from Chart 2	Column B Odor Generation Number From Chart 2	Column C Animal Lot Area (ft ²) Enter in 10,000's (Ex: 7438 = .74)	Column D Odor Control Practice Codes List all that apply to each facility from Chart 3	Column E Multiplier for Odor Control Practice List all that apply to each from Chart 3. Enter "1" if none.	Column F Predicted Odor Multiply columns B, C, and E	Column G Distance to Nearest Affected Neighbor (ft) Measure from corner to corner. Measure all structures to the same neighbor.	Column H Weighted Distance (ft.) Multiply columns F & G
3A.							
3B.							
3C.							
					F Total	G = (H Total) ÷ (F Total)	H Total

Enter on page A-6, **Box 3**

Enter on page A-8, **Table B, Step 1**

Worksheet 2 (continued)

Table B: Separation Score

INSTRUCTIONS		RESULTS
Step 1: Enter, at right, the result from Table A, Column G (page A-7).		Distance (ft.) to Nearest Affected Neighbor: _____
Step 2: Select multiplier based on the compass direction looking from the <i>live-stock facility</i> to the nearest <i>affected neighbor</i> . Enter at right.		Multiplier: _____
Compass Direction	Multiplier	
North	1.0	
Northeast	1.0	
East	1.1	
Southeast	1.2	
South	1.2	
Southwest	1.2	
West	1.3	
Northwest	1.1	
Step 3: Calculate wind-adjusted separation distance (Distance to nearest <i>affected neighbor</i> x multiplier). Enter at right.		Wind-Adjusted Separation Distance (ft.) _____
Step 4: Determine <i>affected neighbor</i> density and enter at right: <i>Low density</i> = No more than 5 residences and no <i>high-use buildings</i> within 1300 ft of each structure. <i>High density</i> = 6 or more residences or at least one <i>high-use building</i> within 1300 ft of each structure.		Low or High Density? _____
Step 5: Use results above and Chart 1 to find your Separation Score. Enter at right and on Page A-6 in Box 1 .		Separation Score _____

Chart 1: Separation Score

Wind-Adjusted Separation Distance (ft.)	Low Density	High Density
0-99	505	503
100-149	506	504
150-199	511	507
200-249	516	510
250-299	521	514
300-349	527	518
350-399	534	523
400-449	541	528
450-499	548	533
500-599	560	542
600-699	577	555
700-799	595	569
800-899	615	585
900-999	636	601
1000-1099	658	619
1100-1199	681	637
1200-1299	705	657
1300-1399	730	
1400-1499	756	
1500-1599	783	
1600-1699	810	
1700-1799	839	
1800-1899	868	
1900-1999	899	
2000-2099	930	
2100-2199	962	
2200-2299	994	
2300-2399	1027	
2400-2499	1061	
2500-2749	1123	
2750-2999	1214	
3000-3249	1309	

Worksheet 2 (continued)

Chart 2: Odor Generation Numbers

<i>Animal Housing Area Type</i>	<i>Housing/ Management Type Code</i>	<i>Manure Management Method</i>	<i>Odor Generation Number</i>	<i>Exempt Buildings Maximum Size (ft²) (May exclude up to 4)</i>
Dairy Stanchion	DSDC	Daily to weekly cleaning	2	7500
Dairy Free Stall and Beef & Dairy Heifers (Forage Ration)	DBSS	Slatted floor (includes floor and pit below)	6	2500
	DBSC	Scrape	4	3500
	DBAF	Alley flush to storage	10	1500
	DBBP	Bedded pack	2	7500
Beef Finishing (High Energy Ration)	BFSF	Slatted floor (includes floor and pit below)	12	1000
	BFSC	Scrape	8	2000
	BFBP	Bedded pack	4	3500
Pork Gestation/ Farrow/Nursery	PGSF	Slatted floor (includes floor and pit below)	46	N/A
	PGPP	Pull plug to storage	22	N/A
Pork Finishing	PFSF	Slatted floor (includes floor and pit below)	34	N/A
	PFPP	Pull plug to storage	20	N/A
	PFSS	Scrape systems to storage	11	1500
	PFDB	Deep bedded	4	3500
Poultry	PBLT	Broiler (litter)	1	15000
	PDLQ	Ducks (liquid)	20	N/A
	PLAY	Layers	20	N/A
	PTDL	Turkey and Ducks (litter)	2	7500

<i>Type Codes</i>	<i>Waste Storage Facility Types</i> <i>Note: Storage under slatted floor is addressed under animal housing.</i>	<i>Odor Generation Number</i>
WSSS	Solid (stack)	2
WSLT	Long term (6 months or longer as determined in Column E of worksheet 3)	13
WSST	Short term (less than 6 months as determined in Column E of worksheet 3)	28

<i>Animal Lot Codes</i>	<i>Animal Lot Types</i>		<i>Odor Generation Number</i>
ALPV	Paved		4
UPDB	Unpaved	Dairy/Beef/Sheep/Goats	6
UPSW		Swine/Poultry	11

Worksheet 2 (continued)

Chart 3: Odor Control Practices

Category	Practice Code	Practice Name (Practices must meet specifications on pages A-11 to A-13)	Multiplier*
Animal Housing Area			
A	A1	Diet manipulation	0.8
B (Choose only 1)	B1	Bio-filter	0.1
	B2	Vegetable oil sprinkling (for swine only)	0.4
	B3	Fresh water flush	0.4
	B4	Treated water flush	0.7
	B5	Air Dam (for swine only)	0.9
C	C1	Windbreak (includes man-made berms)	0.9
D	D1	Frequent cleaning of animal housing area	0.9
Waste Storage Facilities			
E (Choose only 1)	E1	Anaerobic digestion	0.2
	E2	Chemical or biological additives	0.8
	E3	Compost	0.2
	E4	Solids Separation and Reduction	0.6
	E5	Water Treatment	0.1
F (Choose only 1)	F1	Aeration	0.3
	F2	Bio-cover	0.4
	F3	Geotextile cover	0.5
	F4	Impermeable cover	0.1
	F5	Natural crust	0.3
	F6	Bottom fill	0.9
G	G1	Windbreak (includes man-made berms)	0.9
Animal Lots			
H (Choose only 1)	H1	Frequent cleaning of <i>animal lot</i>	0.4
	H2	Drag <i>animal lot</i>	0.5
I	I1	<i>Animal lot</i> moisture control	0.8
J	J1	Windbreak (includes man-made berms)	0.9

*Smaller multiplier = more odor controlled (e.g. a multiplier of 0.4 represents a 60% control).

Innovative Odor Control Practices (all odor sources):

You may take credit for odor control practices not listed in Chart 3 if *DATCP* pre-approves a multiplier for each of those practices. Follow the procedure in *ATCP 51.14(5)(c)* to obtain *DATCP* approval. If you obtain *DATCP* approval, you may include the approved practice and multiplier in odor worksheet calculations in the same manner as for odor control practices listed in Chart 3 (attach *DATCP* approval to your application).

Worksheet 2 (continued)

Odor Control Practice Specifications

Odor control practices identified in Chart 3 must meet the following specifications:

Animal Housing

Diet manipulation (A1) – Limit protein in animal diet by one of the following means:

- Match nutrient supply with animal requirements.
- Formulate low-protein amino acid supplemented diets.
- Add phytase enzyme ingredients.
- Process ingredients in ways that limit protein content of processed feed.
- Use phase feeding.
- Use split sex feeding.
- Minimize feed wastage.

Bio-filter (B1) – Vent air from *animal housing areas* through a bio-filter consisting of compost and wood chips, mixed at a rate of 30:70 to 50:50 (ratio by weight of compost to wood chips). The mixture must be at least 40% moisture by weight. The bio-filter must be 10” to 18” thick, and must have an area of at least 50 to 85 sq. ft. per 1000 cu. ft. per minute (cfm) of airflow.

Vegetable oil sprinkling (B2) – Sprinkle vegetable oil on floors in *animal housing areas* (swine) each day. Apply oil at start-up rate of approximately 40 milliliters per square meter per day (mL/m²-day) in the first 1-2 days of each production cycle. During the remainder of each production cycle, apply oil at maintenance rate of 5 mL/m²-day. Avoid oil applications to pens near fans, to areas near heaters, and to areas surrounding feeders.

Fresh water flush (B3) – Use fresh water to flush manure from floors of *animal housing areas* into collection or *waste storage structures*. Flush at least 3 times a day, and more often if necessary, to prevent manure from drying and sticking to floors. Flush must be adequate to remove manure solids effectively.

Treated water flush (B4) – Use treated manure effluent to flush manure from floors of *animal housing areas* into collection or *waste storage structures*. Flush at least 3 times a day, and more often if necessary, to prevent manure from drying and sticking to floors. Flush with waste storage effluent treated by one of the following means:

- *Solids Separation and Reduction (see E4 below).*
- *Aeration (see F1 below).*
- *Anaerobic digestion (see E1 below).*

Air Dam (B5) – Erect and maintain a wall (typically a 10-foot x 10-foot pipe frame and tarpaulin) placed at the end of a swine-finishing building, immediately downwind of the exhaust to deflect air and odor plume. Replace material used for the barriers (tarpaulins on a frame of solid wood, for example) as needed, which may be from a few years to decades, depending on the material.

Windbreak (C1) – Maintain a solid or porous windbreak, 10 to 50 feet from the odor source, which reduces forward momentum of airflow and vertically disperses the odor plume. The length of a windbreak shall be at least half of the perimeter of the animal housing. A windbreak may be constructed of vegetation or other materials. Vegetation windbreaks must contain at least 3 rows of trees and shrubs, of both fast and slow-growing species, that are well suited for the site. Windbreaks must be designed and constructed according to *NRCS Technical Guide Standard 380* (June, 2002).

Frequent cleaning of animal housing area (D1) – Scrape and remove manure from *animal housing areas* at least 3 times a day.

Published under s. 35.93, Stats. Updated on the first day of each month. Entire code is always current. The Register date on each page is the date the chapter was last published.

Worksheet 2 (continued)

Waste Storage Facilities

Anaerobic digestion (E1) – Subject manure to managed biological decomposition within a sealed oxygen-free container (“digester”). Anaerobic digestion must meet design and operational standards necessary to achieve adequate odor control, including requirements for solids concentration, flow rates, retention time, and minimum temperatures. Systems must meet the following:

- *Plug flow digester.* Treats manure with a total solids concentration of 8 to 14%. Must be kept in the digester for at least 20 days at a temperature of 95° to 104° F. (35° to 40° C). The digester’s ratio of flow path width to fluid depth must be between 3.5:1 and 5:1.
- *Complete mix digester.* Treats manure with a total solids concentration of 2.5 to 10%. Must be kept in the digester for at least 17 days at a temperature of 95° to 104° F. (35° to 40° C.). The digester must have appropriate mixing devices to ensure complete mixing.
- *Fixed film digester.* Treats manure with a total solids concentration of not more than 5%. Must be kept in the digester for 1 to 6 days at a temperature of 59° to 99° F (15° to 39° C). Microbial support material must have at least 3-inch openings.
- *Other systems.* Use proprietary design and performance specifications that are commonly accepted and provide adequate odor mitigation.

Chemical or biological additives (E2) – Apply, to stored manure, chemical or biological additives that are scientifically proven to be effective in reducing odor from that manure when applied under applicable conditions and in applicable amounts.

Compost (E3) – Aerobically treat solid or semi-solid manure to create compost. Compost must have a carbon: nitrogen ratio of 25:1 to 40:1, and must consist of at least 40 to 60% moisture by weight. Composted material must be held at a temperature of more than 130° F. (54° C.) for more than 5 days.

Solids Separation and Reduction (E4) – Reduce the solid content of stored manure to an average of less than 2% solids through separation, multi-tiered pits or other means.

Water Treatment (E5) – Install and use a physical, chemical or biological process that removes the majority of contaminants from the waste stream, resulting in a liquid effluent meeting surface water discharge standards. The remaining solid fraction or sludge must be accounted for based on its form, and the management it is subject to.

Aeration (F1) – Use aeration equipment to maintain aerobic activity in stored manure. Aeration must maintain an average of 2 milligrams of dissolved oxygen per liter of manure stored in the upper foot of manure stored in the aerated structure between April and October.

Bio-cover (F2) – Cover the surface of waste storage structure with an 8” to 12” thick blanket of dry wheat, barley or good quality straw. The blanket must cover nearly all of the waste surface between the months of April and October. Add to the blanket as necessary (typically every 6 weeks to 4 months) to maintain the required cover.

Geotextile cover (F3) – Cover the surface of waste storage structure with a geotextile membrane that is at least 2.4 mm thick. The membrane must cover nearly all of waste surface between the months of April and October.

Impermeable cover (F4) – Cover the surface of waste storage structure with an impermeable barrier that prevents gas from escaping. Gas must be drawn off, and either treated or burned.

Natural crust (F5) – Maintain a natural crust of dry manure on the surface of stored manure. The natural crust must cover a substantial amount of the surface area of the stored manure, for most of the time between the months of April and October.

Bottom fill (F6) – Add manure to a liquid *manure storage structure* from the bottom so as to limit disturbance to the surface of the stored manure.

Worksheet 2 (continued)

Windbreak (G1) – Maintain a solid or porous windbreak, 10 to 50 feet from the odor source, which reduces forward momentum of airflow and vertically disperses the odor plume. The length of a windbreak shall be at least half of the perimeter of the *waste storage facility*. A windbreak may be constructed of vegetation or other materials. Vegetation windbreaks must contain at least 3 rows of trees and shrubs, of both fast and slow-growing species, that are well suited for the site. Windbreaks must be designed and constructed according to *NRCS Technical Guide Standard 380* (June, 2002).

Animal Lots

Frequent cleaning of animal lot (H1) – Scrape and remove manure from *animal lot* surfaces at least once every 3 days. You may leave an undisturbed, compacted manure layer (1 to 2 inches thick) on the surface of unpaved *animal lots* to provide good surface sealing.

Drag animal lot (H2) – Drag manure in *animal lots* with harrow or disk at least once every 7 days during the months of April through October, to aerate and dry the manure.

Animal lot moisture control (I1) – Prevent runoff water from flowing onto *animal lots* from roofs and other surfaces. Use diversions or roof runoff systems identified in s. [ATCP 50.70](#) or [50.85](#). *Animal lots* must have a grade of at least one percent to promote drainage and drying.

Windbreak (J1) – Maintain a solid or porous windbreak, 10 to 50 feet from the odor source, which reduces forward momentum of airflow and vertically disperses the odor plume. The length of a windbreak shall be at least half of the perimeter of the *animal lot*. A windbreak may be constructed of vegetation or other materials. Vegetation windbreaks must contain at least 3 rows of trees and shrubs, of both fast and slow-growing species, that are well suited for the site. Windbreaks must be designed and constructed according to *NRCS Technical Guide Standard 380* (June, 2002).

ATOP 51-11/04 January 2016


Wisconsin Department of Agriculture, Trade and Consumer Protection

 2811 Agriculture Drive, PO Box 89111, Madison WI 53708-8911
 Phone: (608) 224-4630 or livestocksig@wisconsin.gov

Worksheet 3 - Waste and Nutrient Management
Part A. Waste Generation and Storage Summary

Instructions: You must complete Parts A and B of this worksheet. If your livestock facility will have fewer than 500 animal units you may be exempt from Part C, depending on results of Part B. If Part C applies, it must be signed by a qualified nutrient management planner (you must also sign).

You are NOT required to complete this worksheet if you already hold a WPDES permit for the proposed livestock facility (for the same or greater number of animal units). Simply check the following box, sign at the bottom of this page, and include a copy of the WPDES permit with your application.

☐ I enclose a copy of my WPDES permit in place of Worksheet 3.

Specify a single livestock type (dairy, beef, swine, etc.). Use a separate worksheet for each livestock type.

Livestock Type: DAIRY

Description of Storage	Column A Waste Storage Capacity (Gallons or Tons)	Column B Source of Waste (Animal Waste, Wastewater, Leachate, etc.)	Column C Average Annual Volume of Waste Produced from Each Source (Gallons or Tons)	Column D Total Average Annual Volume Waste Produced (Gallons or Tons)	Column E Storage Duration in Days (Column A divided by Column D times 365 days)
Example: Unit 1 - lagoon	5,000,000 gallons	Animal waste Wastewater Leachate	4,000,000 gallons 1,000,000 gallons 2,000,000 gallons	7,000,000 gallons	260 days
Unit 1 WSF1	1,098,734 MOL gallons	11,545,156 gallons 3,097,240 gallons 69,195 gallons	manure & bedding wastewater leachate	16,925,564 gallons	207
Unit 2 WSF2	2,594,762 MOL gallons	1,126,067 gallons 1,087,906 gallons	contact runoff melt precipitation		
Unit 3 WSF3	5,914,044 MOL gallons				

Applicant affirms that the information provided in Part A is accurate.

Robert Roden
 Signature of Applicant or Authorized Representative

11-23-2016
 Date

Arm-lwr- 11/04 January 2006

Worksheet 3 (continued)

Part B – Land Base for Applying Nutrients

1. Enter total *animal units* in proposed *livestock facility* (from worksheet 1): 2,500

2. What percentage of the waste from the *livestock facility* will be:

a. Applied to land: 100 %. Attach map showing where waste will be applied to land.

b. Processed and sold as commercial fertilizer, under a fertilizer license: 0 %.

c. Disposed of in other ways: 0 %. Describe ways:

3. Multiply the percent in line 2a by the number of *animal units* in line 1. Result (# of *animal units*): 2,500

4. Total acres of cropland currently available for land application (owned, rented, or landspreading agreement):
3,193.6

5. Divide # of acres in line 4 by # of *animal units* in line 3 to obtain ratio of acres to *animal units*: 1.28

6. Is the ratio in line 5 equal to or greater than the applicable ratio in Table 1? No

If YES, and if the # of *animal units* in line 1 is less than 500, you need NOT complete Part C.
Otherwise, complete Part C.

Table 1: Acreage per Animal Unit

Animal Type	Acres per Animal Unit*
Dairy	1.5
Beef	1.5
Swine	1.0
Chickens/Ducks	2.5
Turkeys	5.5
Sheep/Goats	2.0

* NOTE: A *livestock facility* is NOT required to attain or exceed this ratio of acres to *animal units*. But IF your *livestock facility* will attain or exceed this ratio and will have fewer than 500 *animal units*, you need NOT complete Part C of this worksheet.

Applicant affirms that the information provided in Part B is accurate.

Signature of Applicant or Authorized Representative

1-21-26

Date

Worksheet 3 (continued)	
arm-4w: 11/04 January 2006	
Part C – Nutrient Management Checklist Rob-N-Cin Farms, LLC	
Instructions: All applicants must submit this checklist unless exempted under Part A or B. The checklist is based on the NRCS Technical Guide Nutrient Management Standard 590 (September, 2005).	
County Name: Washington	Date Submitted: 1-23-26 Township (T. 11N N., S.) – (R. 20E E., W.)
Cropland Acres: (owned, rented, or with manure spreading agreement) Name of livestock operator submitting checklist:	
3,193.6	Yes NA
1. Are the following field features identified on maps or aerial photos?	X
a) Field location, soil survey map unit(s), field boundary, and field identification number.	X
b) Areas prohibited from receiving nutrient applications: Surface water, established concentrated flow channels with perennial cover, permanent non-harvested vegetative buffer, non-farmed wetlands, sinkholes, lands where established vegetation is not removed, nonmetallic mines, and fields eroding at a rate exceeding tolerable soil loss (T).	X
c) Areas within 50 ft of a potable drinking water well where mechanically-applied manure is prohibited.	X
d) Areas prohibited from receiving winter nutrient applications: Slopes > 9% (12% if contour-cropped); Surface Water Quality Management Area (SWQMA) defined as land within 1,000 ft of lakes and ponds or within 300 ft of perennial streams draining to these waters, unless manure is deposited through winter cleaning/pasturing of plant residue and not exceeding the N and P requirements of this standard.	X
e) Areas where winter applications are restricted unless effectively incorporated within 72 hours: Land contributing runoff within 200 ft upslope of direct conduits to groundwater such as a well, sinkhole, fractured bedrock at the surface, tile inlet, or nonmetallic mine.	X
f) Sites vulnerable to N leaching: Areas within 1,000 ft of a municipal well, and soils listed in Appendix 1 of the Conservation Planning Technical Note WI-1.	X
2. Are erosion controls implemented so the crop rotation will not exceed T on fields that receive nutrients according to the conservation plan or WI P Index model?	X
3. Check the methods below used to determine field soil nutrient levels:	
a) Soil samples were collected and analyzed within the last 4 years according to UW Publication A2100 recommendations.	X
b) For fields not meeting (a.) above, soil test phosphorus levels are assumed to be greater than 100 ppm soil test P.	X
c) For fields not meeting (a.) above, preliminary estimates of soil nutrients were determined using limited soil sampling (> 5 acre per sample) but analyzed by a DATCP certified laboratory. *	X
*For fields with soil nutrient levels determined under (b) or (c), the applicant must collect and analyze soil samples meeting the requirements of A2100 within 12 months of siting approval, and revise the nutrient management plan accordingly.	
4. Using the field's predominant soil series and realistic yield goals, are planned nutrient application rates, timing, and methods of all forms of N, P, and K listed in the plan and consistent with UW Publication A2809, Soil Test Recommendations for Field, Vegetable and Fruit Crops, and the 590 standard?	X
5. Do manure production and collection estimates correspond to the acreage needed in the plan? Are manure application rates realistic for the calibrated equipment used?	X
6. Is a single phosphorus (P) assessment of either the P Index or soil test P management strategy uniformly applied to all fields within a tract?	X
7. Are areas of concentrated flow, resulting in reoccurring gullies, planned to be protected with perennial vegetative cover?	X
8. Will nutrient applications on non-frozen soil within the SWQMA comply with the following?	X
a) Unincorporated liquid manure on unsaturated soils will be applied according to Table 1 of the 590 standard to minimize runoff	X
b) One or more of the following practices will be used: 1) Install/maintain permanent vegetative buffers, or 2) Maintain greater than 30% crop residue or vegetative coverage on the surface after nutrient application, or 3) Incorporate nutrients leaving adequate residue to meet tolerable soil loss, or 4) Establish fall cover crops promptly following application.	X
9. Is a narrative included which describes proposed manure collection, transportation, and application methods?	X

I certify that the documentation supporting this checklist is complete and accurate:

Signature of Qualified Nutrient Management Planner, other than applicant: Karen C. Beckert
(qualified by 1. NAICC-CPCC, 2. ASA-CCA, 3. ASA-Professional Agronomist, 4. SSSA-Soil Scientist)Signature of Applicant or Authorized Representative: Rob N. Cin

Amended 11/04 from 2/00



Wisconsin Department of Agriculture, Trade and Consumer Protection
 2811 Agriculture Drive, PO Box 8911, Madison WI 53708-8911
 Phone: (608) 224-4630 or livestocksitng@wisconsin.gov

Worksheet 4 - Waste Storage Facilities

Instructions: This worksheet must be signed by a registered professional engineer or *certified agricultural engineering practitioner*. This worksheet must identify every *waste storage facility* in the proposed *livestock facility* (including storage structures and transfer systems).

You are NOT required to complete this worksheet if you already hold a *WPDES permit* for the proposed *livestock facility* (for the same or greater number of *animal units*). Simply check the following box, sign at the bottom of this page, and include a copy of the *WPDES permit* with your application.

☐ I enclose a copy of my *WPDES permit* in place of Worksheet 4.

New or Substantially Altered Facilities: Design specifications for the following *new or substantially altered waste storage facilities* comply with *NRCS Technical Guide Standards 313* (November, 2004) and *634* (November, 2004). [Identify each facility and attach design specifications for each facility]

Existing Facilities Retained: The following *waste storage facilities* will continue in use without being *substantially altered*. Each facility meets one of the following:

☒ The facility (list each facility **WSF2, WSF3, STACKING PAD, SEPARATED SOLIDS PAD, TRANSFER SYSTEMS T4, T7, & T8**) was constructed of concrete or steel or both, was constructed within the last 10 years according to then-existing *NRCS* technical standards, and shows no apparent signs of structural failure or significant leakage.

☒ The facility (list each facility **WSF3, STACKING PAD, SEPARATED SOLIDS PAD, TRANSFER SYSTEM T8**) was constructed within the last 3 years according to then-existing *NRCS* technical standards, and shows no apparent signs of structural failure or significant leakage.

☒ The facility (list each facility **WSF1, WSF2, WSF3, STACKING PAD, SEPARATED SOLIDS PAD, TRANSFER SYSTEMS T1 THROUGH T8**) was constructed to *NRCS* technical standards that existed at the time of construction, is in good condition and repair and shows no apparent signs of structural failure or significant leakage.

☒ The facility (list each facility **WSF1, WSF2, WSF3, STACKING PAD, SEPARATED SOLIDS PAD, TRANSFER SYSTEMS T1 THROUGH T8**) is in good condition and repair, shows no apparent signs of structural failure or significant leakage, and is located on a site at which the soils and separation distances to groundwater comply with *NRCS Technical Guide Manure Storage Facility Standard 313, Table 1* (November, 2004).

☒ The facility (list each facility **WSF1 AND WSF2**) is in good condition and repair, shows no apparent signs of structural failure or significant leakage, is located entirely above ground, and is located on a site at which the soils comply with *NRCS Technical Guide Manure Storage Facility Standard 313, Table 5* (November, 2004).

Facilities To Be Abandoned: The following *waste storage facilities* will be closed according to a closure plan that complies with *NRCS Technical Guide Standard 360* (June, 2001). [Attach closure plan for each facility.]

Total Storage Capacity: The *waste storage facilities* in the proposed *livestock facility* have a combined useable storage capacity of **8,605,540** gallons or tons (cannot include required "freeboard" in useable capacity).



Taylor Rudloff E-48747

Print Name of Engineer (include WI License No.) or Certified Agricultural Engineering Practitioner

Taylor Rudloff

Signature of Engineer or Practitioner

1/28/26
Date

Miller Engineers + Scientists

Name of Firm and Address

Arm-lwr- 11/04 January 2006



Wisconsin Department of Agriculture, Trade and Consumer Protection
 2811 Agriculture Drive, PO Box 8911, Madison WI 53708-8911
 Phone: (608) 224-4630 or livestock@wisconsin.gov

Worksheet 5 - Runoff Management

Instructions: This worksheet must be signed by a registered professional engineer or *certified agricultural engineering practitioner* (you must also sign). Signers attest to statements in this worksheet. You are responsible for compliance.

You are NOT required to complete this worksheet if you already hold a *WPDES permit* for the proposed *livestock facility* (for the same or greater number of *animal units*). Simply check the following box, sign at the bottom of this page, and include a copy of the *WPDES permit* with your application.

☐ I enclose a copy of my *WPDES permit* in place of Worksheet 5.

Animal Lots¹

1. New or Substantially Altered Animal Lots: All *new* or *substantially altered* *animal lots* will be constructed according to the attached design specifications that comply with *NRCS* Technical Guide Standard 635 (January, 2002). [Identify *animal lots* and attach design specifications for each *animal lot*.]

2. Existing Animal Lots Near Surface Waters: The following *animal lots* are located within 300 feet of a stream² or 1,000 feet of a lake. According to the *BARNY runoff model*, each of these *animal lots* has (or with minor alterations³ will have) predicted average annual phosphorus runoff of less than 5 lbs. per year (measured at the end of the treatment area). Runoff does not discharge to any direct conduit to groundwater. [Identify *animal lots* and minor alterations if any.]

3. Other Existing Animal Lots: The following *animal lots* are NOT located within 300 feet of a stream² or 1,000 feet of a lake. According to the *BARNY runoff model*, each *animal lot* has (or with minor alterations³ will have), a treatment area that reduces phosphorus runoff to an average of less than 15 lbs. per year (measured at the end of the treatment area). Runoff does not discharge to any direct conduit to groundwater. [Identify *animal lots* and minor alterations if any.] FL1 North (covered and/or contained walkway) and FL2 (contained lot) do not allow runoff and meet conditions of *WPDES* CAFO permit.

Feed Storage Farm does not store high moisture feed (equal or greater than 70% moisture).

1. General. The operator agrees to manage feed storage to prevent significant discharge of leachate or polluted runoff to waters of the state.

2. Existing Feed Storage (High Moisture Feed). Existing paved areas and bunkers that may be used to store or handle high moisture feed (70% or higher moisture content) will meet the following standards:

- a) Surface water runoff will be diverted from entering the paved area or bunker.⁴
- b) Surface discharge of leachate will be collected before it leaves any paved area or bunker, if the paved area covers more than one acre. Collected leachate will be stored and disposed of in a manner that prevents discharge to waters of the state.⁵

¹ Treat multiple lots as one *animal lot* if runoff from the *animals* lots drains to the same treatment area or if runoff from the *animal lot* treatment areas converges or reaches the same surface water within 200 feet of any of those treatment areas.

² Indicated by a solid or dashed blue line on a 1:24,000 scale USGS topographic map.

³ "Minor alterations" are repairs or improvements that do not result in a *substantially altered animal lot*. "Minor alterations" may include conservation practices such as runoff diversions, contouring, and planting vegetation.

⁴ Runoff may be diverted by means of earthen diversions, curbs, walls, gutters, waterways or other practices, as appropriate.

⁵ Use safe methods to dispose of collected leachate. For example, leachate may be transferred to *waste storage structures* and then applied to land at agronomic rates.

Worksheet 5 (continued)

3. New or Substantially Altered Feed Storage Structures (High Moisture Feed): *New or substantially altered feed storage structures (buildings, silos, bunkers or paved areas) used to store or handle high moisture feed (70% or higher moisture content) will be designed, constructed and maintained to the following standards [attach design specifications]:*

- a) Surface water runoff will be diverted from entering the feed storage structure.¹
- b) Surface discharge of leachate will be collected before it leaves the feed storage structure.²
- c) The top of the feed storage structure floor will be at least 3 vertical feet from groundwater and bedrock.³
- d) Any feed storage structure with an area greater than 10,000 sq. ft. will have a subsurface drainage system to collect leachate that may leak through the structure floor. The subsurface drainage system must consist of drainfill material below the surface material, a tile drainage network designed to collect the leachate and deliver it to storage, and a subliner. The tile drainage network must, at a minimum, be installed at the perimeter of the structure only on the downgradient side(s). The sub-liner must, at a minimum, consist of one of the following:
 - Two feet of soil, either in place or installed, having a minimum of 50% fine soil particles (that pass a #200 soil sieve).
 - Two feet of soil, either in place or installed, having a minimum of 30% fine soil particles (that pass a #200 soil sieve) and a minimum PI (plasticity index) of 7.
 - A 40 mil liner of HDPE, EPDM or PVC.
 - A geosynthetic clay liner.
- e) Collected leachate will be stored and disposed of in a manner that prevents discharge to waters of the state.²

Nonpoint Pollution Standards

The livestock facility will be designed, constructed and maintained to do all of the following.

1. Divert runoff from contact with *animal lots, waste storage facilities, paved feed storage areas or manure piles* within 300 ft. of a stream or 1,000 ft. of a lake.
2. Avoid having any unconfined manure pile within 300 ft. of a stream or 1,000 ft. of a lake.
3. Prevent any overflow of *waste storage facilities*.
4. Restrict livestock access to waters of the state, as necessary to maintain adequate vegetative cover on banks adjoining the water (this does not apply to properly designed, installed and maintained livestock or farm equipment crossings).

Robert Rudon
Signature of Applicant or Authorized Representative

1-29-26
Date

Taylor Rudloff E-48747
Print Name of Engineer (include WI License No.) or Certified Practitioner

Taylor Rudloff
Signature of Engineer or Practitioner

1-28-26
Date

Miller Engineers + Scientists
Name of Firm and Address

¹ Runoff may be diverted by means of earthen diversions, curbs, walls, gutters, waterways or other practices, as appropriate.

² Use safe methods to dispose of collected leachate. For example, leachate may be transferred to waste storage and then applied to land at agronomic rates.

³ A tile system or curtain drain may be used to intercept lateral groundwater seepage, as necessary, to achieve the required distance to groundwater.

Appendix B: Maps



CALL 811 OR 1-800-242-8511
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974)
REQUIRED MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

ALL UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED
UPON FIELD SURVEY OF VISIBLE ABOVE GROUND STRUCTURES,
RECORD MAPS OR DIGGERS HOT LINE MARKERS. THE SURVEYOR
HAS NOT LOCATED THE ACTUAL UNDERGROUND UTILITY. THE EXACT
LOCATION OF ALL UTILITIES MUST BE FIELD LOCATED AND MARKED
PRIOR TO BEGINNING ANY CONSTRUCTION.

PROPERTY AFFILIATED WITH
ROB-N-CIN FARMS, LLC

1000'



Appendix C: Waste Generation and Storage Volumes

25yr, 24hr precip. ¹	4.73	inches	NR243 Mixed	Conditions	Proposed	Site	Animal Units	Date: 1/22/2026
Net annual precip. ¹	21.12	inches		Planning Year	2030	REV	2500	
25yr, 24hr runoff (CN98) ¹	4.49	inches		Animal Units	2,500			
Annual runoff (CN98) ¹	31.56	inches		County	Washington			

Facility	Bottom Length (ft)	Bottom Width (ft)	Bottom Area (ft²)	sideslopes (xH:1V)	Total Depth (ft)	Top Length (ft)	Top Width (ft)	Top Area (ft²)	Total Capacity (gallons)		Waste Remaining (ft)	Freeboard (ft)	Runoff Area (ft²)	Feed Leachate (gallons)	Waste Remaining (gallons)	25yr, 24hr precip. (gallons)	25yr, 24hr runoff (gallons)	Freeboard volume (gallons)	MOL Volume (gallons)	Storage Duration (days)	Net Annual Precip. (gallons)	Annual Runoff (gallons)
WSF1 (1981 Slurry)	101.0		8,012	0.0	23.40	101.0	0.0	8,012	1,402,427	²	1.0	1.0	57,237	69,195	59,933	23,624	160,204	59,933	1,098,734	24	105,482	1,126,067
WSF2 (2018 Slurry)	145.0		16,513	0.0	23.40	145.0	0.0	16,513	2,890,503	²	1.0	1.0			123,526	48,690	0	123,526	2,594,762	56	217,405	0
WSF3	272.0		58,107	0.0	16.00	272.0		58,107	6,954,716	²	1.0	1.0			434,670	171,332	0	434,670	5,914,044	128	765,019	0

Liquid Waste Storage Summary

Composite Total Storage:	11,247,646	gallons
Composite Total MOL Storage:	9,607,540	gallons

Annual Manure, Bedding, Milking Center WW, and Leachate

From 313WSD	dairy	beef	total	
TOTAL Manure & Bedding:	11,429,114	116,042	11,545,156	gallons
LIQUID Manure & Bedding:	10,514,785	34,812	10,549,597	gallons
Milking Center Wastewater:	3,095,415	1,825	3,097,240	gallons
Feed Leachate:	69,195		69,195	gallons

Annual Runoff & Precipitation

Composite Contact Water Runoff Collected:	1,126,067	gallons
Composite Net Precipitation on Storages:	1,087,906	gallons

Days Storage - Total Waste Basis

Total Annual Waste (solid & liquid):	16,925,564	gallons
Days of Storage Equivalent:	207	days

Days Storage - Haul Records Basis

5-Year Haul Record Avg. Annual Liquid Waste:		gallons
Days of Storage Equivalent:		days

Days Storage - Waste Handled as Liquid Basis

Annual Waste Stored as Liquid:	15,930,005	gallons
Days of Storage Equivalent:	220	days

Footnotes

¹ From 313WSD, Ver. Feb. 2025
² From 313WSD
³
⁴

Feed Leachate

Corn Silage	12,000	tons
Haylage	6,500	tons
P-Leachate	69,195	gallons

Notes:

Existing Contact Water Tributary Areas

X-Outdoor Lot	ft²	
X-FSA1	29,582	ft²
X-Stacking	ft²	
X-Tributary	ft²	
X-FSA2	27,655	ft²

Notes:

Proposed Contact Water Tributary Areas

P-Outdoor Lot	ft²
P-CLeaR CS FSA	ft²
P-CleaR Haylage FSA	ft²
P-Stacking	ft³

Notes:

NOTES:

1. Updated to current rainfall numbers in 313WSD, Version February 2025.

2. WSF4 is the solid stacking pad north of WSF3.

3. Updated nomenclature of CR Pit and HD Pit to match CAFO permit, WSF5 & WSF6 respectively.

4. Corrected Total Capacity of WSF5 (had 50'x30' bottom dimension in the 313 WSD previously & should have been 55'x25')

5. Edited to show only Roden Echo Valley (REV) site for purposes of Livestock Facility Siting Application (1-21-2026)

Dairy Animal Waste

Site	Total	Liquid	PWW
REV	11,429,114	10,514,785	3,095,415
Total	11,429,114	10,514,785	3,095,415

Beef Animal Waste

Site	Total	Liquid	PWW
REV	116,042	34,812	1,825
Total	116,042	34,812	1,825

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I:\DATA\20200\20256 - Roden Echo Valley (West Bend)\Waste Storage and AU worksheets\WGSV

PLANNING YEAR			2026		2030	
SITE	NR243 <u>MIXED</u> ANIMAL UNIT BASIS - CALCS	Avg Weight	1895 AU's		2925 AU's	
			Number	AU's	Number	AU's
RODEN ECHO VALLEY (REV)	Milking & Dry Cows	1,275	930	1,302	1,600	2,240
	Big Heifers (800 lbs to 1200 lbs)	1,000	80	88	160	176
	Calves up to 400 lbs	185	150	30	170	34
	Steers	750	50	50	50	50

Appendix D: Odor Score

Animal Housing				
Planning Year 2030				
ID	Management Code	Occupied Area	Animal Type	Number
FSB2 (cross vent)	DBSC	137,052	milking	1400
FSB1 (east 1/2)	DBSC	6,675	Big Heifers (800# to 1200#)	75
FSB1 (west 1/2)	DBBP	6,675	close-up & maternity (big heifers)	25
Dry Cow Barn	DBSC	10,700	dry	200
Drovers Barn	DBBP	7,200	calves up to 400#	50
Big Heifer Barn	DBSC	5,200	springers (big heifers)	60
Small Heifer (Feed Bunker) Barn	DBBP	2,000	calves up to 400#	20
Calf Barns (eight total)	DBBP	1,500 (each)	calves up to 400#	100
Steer Barn	DBBP	5,500	750# steers	50

Waste Storage		
Planning Year 2030		
ID	Management Code	Surface Area (ft ²)
WSF1	WSLT	8,012
WSF2	WSLT	16,513
WSF3	WSLT	58,107
Stacking Pad	WSSS	4,760
Separated Solids	WSSS	635

Animal Lots			
Planning Year 2030			
ID	Description	Management Code	Surface Area (ft ²)
FL1 North	Covered Walkway	ALPV	3,200
FL2	Heifer (feed bunker) barn lot	ALPV	1,550

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	2,796	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,225	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,566	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,573	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	2,801	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	2,807	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	3,025	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,060	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,108	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,158	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,205	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	2,637	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	2,591	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,270	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,369	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,560	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,539	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,041	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,364
Direction of Nearest Neighbor	North
Adjusted Weighted Distance	2,364
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	929
Basic Management Score	80
Advanced Management Score	0
Odor Score	895

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	2,741	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,092	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,475	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,495	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	2,728	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	2,733	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	2,986	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,010	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,055	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,104	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,148	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	2,595	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	2,430	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,098	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,038	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,454	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,460	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,001	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,227
Direction of Nearest Neighbor	North
Adjusted Weighted Distance	2,227
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	900
Basic Management Score	80
Advanced Management Score	0
Odor Score	866

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	3,228	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,503	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,927	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,968	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	3,171	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	3,208	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	3,481	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,497	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,540	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,587	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,629	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	3,091	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	2,808	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,463	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,417	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,905	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,934	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,496	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,630
Direction of Nearest Neighbor	North
Adjusted Weighted Distance	2,630
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor 114

Separation Score 1,012
Basic Management Score 80
Advanced Management Score 0
Odor Score 978

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	5,045	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	4,139	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	4,640	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	4,753	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	4,825	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	4,951	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	5,296	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	5,248	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	5,266	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	5,290	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	5,308	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	4,996	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	4,106	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	3,828	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	3,796	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	4,593	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	4,681	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	5,304	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	4,165
Direction of Nearest Neighbor	Northwest
Adjusted Weighted Distance	4,582
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	1,311
Basic Management Score	80
Advanced Management Score	0
Odor Score	1,277

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	4,068	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	3,313	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	3,702	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	3,818	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	3,802	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	3,950	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	4,267	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	4,187	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	4,186	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	4,191	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	4,190	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	4,074	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	3,060	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,907	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,963	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	3,652	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	3,750	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	4,267	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	3,259
Direction of Nearest Neighbor	West
Adjusted Weighted Distance	4,237
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	1,311
Basic Management Score	80
Advanced Management Score	0
Odor Score	1,277

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	4,319	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	3,855	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	4,073	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	4,288	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	4,109	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	4,221	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	4,454	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	4,348	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	4,323	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	4,300	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	4,275	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	4,443	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	3,570	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	3,602	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	3,775	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	4,110	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	4,197	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	4,454	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	3,818
Direction of Nearest Neighbor	Southwest
Adjusted Weighted Distance	4,582
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	1,311
Basic Management Score	80
Advanced Management Score	0
Odor Score	1,277

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	1,484	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,849	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	1,600	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	1,675	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	1,544	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	1,503	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	1,490	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	1,402	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	1,356	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	1,302	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	1,254	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,730	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,772	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	1,998	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,266	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,792	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,791	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	1,489	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,858
Direction of Nearest Neighbor	South
Adjusted Weighted Distance	2,230
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	900
Basic Management Score	80
Advanced Management Score	0
Odor Score	866

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	975	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,412	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	1,199	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	1,212	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	1,107	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	1,026	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	928	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	864	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	814	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	763	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	715	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,211	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,571	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	1,777	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,004	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,404	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,361	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	927	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,516
Direction of Nearest Neighbor	South
Adjusted Weighted Distance	1,819
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	793
Basic Management Score	80
Advanced Management Score	0
Odor Score	759

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	1,728	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,242	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	1,598	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	1,573	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	1,780	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	1,770	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	1,933	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	1,985	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	2,035	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	2,087	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	2,136	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,562	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,855	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	1,623	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	1,563	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,615	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,540	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	1,949	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,518
Direction of Nearest Neighbor	North
Adjusted Weighted Distance	1,518
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	721
Basic Management Score	80
Advanced Management Score	0
Odor Score	687

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	469	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	965	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	854	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	773	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	704	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	580	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	315	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	339	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	312	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	288	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	277	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	669	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,402	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	1,549	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	1,715	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,038	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	941	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	301	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,172
Direction of Nearest Neighbor	Southeast
Adjusted Weighted Distance	1,406
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor 114

Separation Score 698
Basic Management Score 80
Advanced Management Score 0
Odor Score 664

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	968	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,383	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	1,372	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	1,218	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	1,213	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	1,089	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	751	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	882	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	883	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	884	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	892	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,039	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,951	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,053	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,179	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,513	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,371	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	738	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,639
Direction of Nearest Neighbor	East
Adjusted Weighted Distance	1,803
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	793
Basic Management Score	80
Advanced Management Score	0
Odor Score	759

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	1,488	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,103	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	1,446	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	1,399	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	1,579	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	1,559	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	1,665	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	1,733	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	1,783	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	1,835	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	1,884	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,327	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	1,808	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	1,628	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	1,588	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	1,476	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,370	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	1,665	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	1,427
Direction of Nearest Neighbor	Northeast
Adjusted Weighted Distance	1,427
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	698
Basic Management Score	80
Advanced Management Score	0
Odor Score	664

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	2,046	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	1,724	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,068	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,011	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	2,169	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	2,142	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	2,168	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	2,262	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	2,311	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	2,361	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	2,410	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	1,894	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	2,435	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,249	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,203	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,105	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	1,984	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	2,166	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,041
Direction of Nearest Neighbor	Northeast
Adjusted Weighted Distance	2,041
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	845
Basic Management Score	80
Advanced Management Score	0
Odor Score	811

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	2,989	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,530	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,886	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,858	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	3,059	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	3,046	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	3,173	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,239	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,290	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,341	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,390	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	2,826	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	3,112	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	2,848	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Additions	Solid storage (stack)	2	4,760	2,779	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,902	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,826	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,172	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,776
Direction of Nearest Neighbor	Northeast
Adjusted Weighted Distance	2,776
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	1,092
Basic Management Score	80
Advanced Management Score	0
Odor Score	1,058

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	3,082	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,663	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	3,017	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,980	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	3,171	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	3,152	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	3,243	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,321	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,371	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,422	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,472	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	2,922	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	3,286	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	3,039	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Additions	Solid storage (stack)	2	4,760	2,972	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	3,039	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,950	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,241	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,929
Direction of Nearest Neighbor	Northeast
Adjusted Weighted Distance	2,929
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor	114
Separation Score	1,092
Basic Management Score	80
Advanced Management Score	0
Odor Score	1,058

1. Animal Housing

ID	Manure Management	Generation number	Occupied Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FSB1	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	13,350	2,951	Diet manipulation	0.8	None	1	None	1	4
FSB2 w/ Future Addition	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	137,052	2,589	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	39
Dry Cow Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	10,700	2,935	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	3
Drover Lane Barn	Bedded Pack - Dairy and Beef	2	7,200	2,888	Cleaning Frequently (3 or more per day)	0.9	Diet manipulation	0.8	None	1	1
Big Heifer Barn	Freestall - Dairy - Scrape (incl. Beef and Heifers on forage ration)	4	5,200	3,061	Diet manipulation	0.8	None	1	None	1	2
Steer Barn	Bedded Pack - Dairy and Beef	2	5,500	3,038	Diet manipulation	0.8	None	1	None	1	1
Heifer Barn	Bedded Pack - Dairy and Beef	2	2,000	3,082	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 1	Bedded Pack - Dairy and Beef	2	1,760	3,173	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 3	Bedded Pack - Dairy and Beef	2	1,760	3,223	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 5	Bedded Pack - Dairy and Beef	2	1,760	3,273	Diet manipulation	0.8	None	1	None	1	0
Calf Barn 7	Bedded Pack - Dairy and Beef	2	1,760	3,322	Diet manipulation	0.8	None	1	None	1	0

2. Waste Storage

ID	Storage type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
WSF1	Liquid storage - Long term (pit and tank) Open anaerobic	13	8,012	2,795	None	1	None	1	None	1	10
WSF2	Liquid storage - Long term (pit and tank) Open anaerobic	13	16,513	3,262	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	12
WSF3	Liquid storage - Long term (pit and tank) Open anaerobic	13	58,107	3,040	Bottom Fill	0.9	Solid Separation and Reduction	0.6	None	1	41
Stacking Pad w/ Future Addition	Solid storage (stack)	2	4,760	2,981	None	1	None	1	None	1	1
Separated Solids Storage	Solid storage (stack)	2	635	2,965	None	1	None	1	None	1	0

3. Animal Lots

ID	Lot type	Generation number	Surface Area (Ft. ²)	Dist. to Nearest Neighbor (Ft.)	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Control Practice	Reduction Factor	Predicted Odor
FL1 North	Paved	4	3,200	2,859	Clean frequently (within 3 days)	0.4	Water Control (gutters & diversions)	0.8	None	1	0
FL2	Paved	4	1,550	3,080	Water Control (gutters & diversions)	0.8	None	1	None	1	0

4. Separation Distance

Weighted Distance to Neighbor	2,880
Direction of Nearest Neighbor	Northeast
Adjusted Weighted Distance	2,880
Density (neighbors within 1,300 ft.)	High

5. Management

Basic Management Plans	Required
Advanced Odor Management Plan?	No

Total Predicted Odor 114

Separation Score 1,092
Basic Management Score 80
Advanced Management Score 0
Odor Score 1,058

Appendix E: Employee Training Plan

MILLER ENGINEERS SCIENTISTS

5308 South 12th Street
Sheboygan, WI 53081
(920) 458-6164
www.startwithmiller.com

Employee Training Plan

January 22, 2026

Prepared for:

Rob-N-Cin Farms LLC
5545 County Road Y
West Bend, WI 53095

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1. Training Goals

This training plan will enable employees and others to follow standards, procedures and practices to ensure that the livestock facility meets permit requirements and achieves other goals in this plan. Specifically, training is needed as part of the local permit issued per ATCP 51, Wis. Admin. Code (local siting permit), and this plan for training includes:

1. Nutrient management, odor management, runoff management, manure and waste handling, employee safety, and environmental incident response.
2. The number and job categories of employees to be trained.
3. The form and frequency of training, which at a minimum must include a plan for at least one training per year.
4. Training presenters.
5. A system for recording attendance.

2. Training Objectives

The training program will enable employees and others to:

1. Understand and follow the standards, procedures and practices related to their assigned duties and tasks.
2. Understand basic permit requirements including more stringent local standards, and follow specific standards, procedures and practices to ensure compliance with these permits.
3. Receive information to effectively address key management issues, with specific focus on nutrient management, odor management, runoff management, manure and waste handling, employee safety, and environmental incident response.

3. Training Activities

Training activities will supply the necessary knowledge and skills tailored to specific needs of employees and others. Training approaches may include classroom sessions, individual reading assignments and field exercises. Annual training activities will be customized to reflect changes in requirements, standards, procedures or practices; accommodate specific training needs; or provide new information for sound management of the livestock facility.

4. Requirements, Standards, Procedures and Practices

Employees and others will be supplied training on the requirements of the local siting permit as these relate to their assigned duties and tasks. They will learn the applicable standards, procedures and practices to ensure compliance with permit requirements. They also will learn other standards, procedures and practices that apply to the livestock facility as required by this training plan.

Training will cover the use of checklists and other tools used to inspect and check farm operations (see attached sample checklists). The livestock operator will make available written documentation that describes permit requirements, standards, procedures and practices.

5. Training Content

5.1. Nutrient Management

Standards, procedures and practices are in place for all forms of manure application and must be followed by all employees, farm personnel assistants, and others. The Farm's nutrient management plan is reviewed semi-annually by our crop manager. A copy of the plan will be available for review. Training may include:

1. Conservation planning
2. Documenting manure applications – spreading logs and inspection sheets
3. Recording and analyzing manure sample data
4. Review soil fertility, crop rotations and yields

All employees that haul manure and custom applicators are trained to apply manure at the rates listed in our nutrient management plan. Also, anyone hauling manure keeps manure logs which show the date, time, number of loads, and operator. The application rates are decided by the farm manager and the agronomist which varies from different fields according to crop rotation and soil fertility.

5.2. Odor Management

Standards, procedures and practices are in place to minimize odor, and must be followed by employees, farm personnel assistants and others. Among other things, they ensure that odor control practices work properly. Training may include:

1. Overview of odor, its causes and basic control strategies
2. Regular cleaning and maintenance procedures to control odor
3. Step-by-step routines to implement control practices (e.g., frequent cleaning) required under a permit
4. Responding to odor complaints

When we haul manure, we don't agitate during strong winds. When we apply manure, we typically incorporate the manure while we are hauling. If we are unable to incorporate during hauling, we will try to incorporate within 24 hours.

5.3. Runoff Management

Standards, procedures and practices are in place to control runoff from animal lots and feed storage areas, and must be followed by employees, farm personnel assistants and others. For example, feed storage bunker leachate should be collected and pumped to the manure storage facility. In addition, compliance must be kept with certain performance standards needed in the local siting permit. Training may include:

1. Cleaning and regular maintenance of gutters, diversions, drains and sediment basins.
2. Proper feed bunker tire and plastic placement and removal
3. Leachate collection system operation, including pump operation
4. Cleaning of traffic areas and pads
5. Maintenance (e.g., regarding, seeding) and mowing of vegetated treatment areas and other grassed areas.
6. Proper placement and removal of feed from the bunkers.

We will follow the operation and maintenance procedures developed by NRCS during the design of our system.

5.4. Manure and Waste Handling

Standards, procedures and practices are in place to ensure proper storage, transfer and hauling of manure and waste. These must be followed by employees, farm personnel assistants and others. Training may include:

1. Review schedule and procedures for inspection and monitoring of manure storage, including frequent monitoring of manure levels
2. Identification and use of proper agitation points
3. Routine maintenance of vegetative areas
4. Review procedures for pump operation, hose placement and pickup, equipment cleanup
5. Proper procedures for hauling and applying manure

Manure Storage levels are monitored weekly by farm managers. Manure pump lines are drained before removing pump.

5.5 Employee Safety

Standards, procedures and practices are in place to ensure the health and safety of employees. These must be followed by employees, farm personnel assistants and others. Training may include:

1. Proper animal handling
2. Proper equipment operations and certification where needed
3. Equipment safety and maintenance
4. Accident reporting protocols
5. Working in confined spaces
6. Avoidance of dangerous conditions (including exposure to noxious gases)
7. Maintaining fences, grates and protective areas
8. Chemical/material handling and MSDS

Employees are trained with skid-steers prior to hiring and are occasionally checked by managers during work. If equipment is not working properly the equipment must be shut off before an inspection is completed. Injuries are reported at once, and medical care applied accordingly. Employees must wear rubber gloves when working with milk equipment chemicals.

5.6 Environmental Incident Response

Standards, procedures and practices are in place to ensure proper responses in the event of manure spill or another incident. These must be followed by employees, farm personnel assistants and others. A written document with response procedures and emergency contacts is readily available. Training may include:

1. Review of Environmental Incident Response Plan
2. Spill reporting and intermediate action steps

All employees and custom applicators are educated to respond at once according to the Incident Response Plan.

6. Employees to be Trained

List of all employees to be trained by job category and number of employees in this category:

Title	Number of Employees
Managers	3
Milking Technicians	9
Feeders	5
Manure Handlers	5
Herdsmen	1

7. Form and Frequency of Training

Training will be provided to employees at different intervals based on duties, experience and acquisition of new equipment. All employees attend training sessions annually at a minimum. The form of training will vary and may include pre-shift training sessions, lunch sessions, classroom and online courses or workshops, firsthand or in the field training, training workshops or seminars through professional organizations.

	Timing of Training			Form of Training			
	Upon Hiring	Annually	When New Equipment Acquired	Pre-Shift or Lunch Sessions	Classroom or Online	Firsthand or In Field	Professional Organization
Managers	X	X	X	X	X	X	X
Milking Technicians	X	X	X	X		X	
Feeders	X	X	X	X		X	
Manure Handlers	X	X	X	X	X	X	
Herdsmen	X	X	X	X	X	X	X

The scope of training will differ for employees based on their position and responsibilities. All employees will receive Employee Safety and Environmental Incident Response Training. By position, the added scope of training for employees may include:

Managers:

- training on how to train employees
- nutrient management
- odor management
- runoff management
- manure and waste handling

Herdsmen:

- cattle care and handling, and loading and transportation

- manure and waste handling

Feeder:

- equipment safety, and operation and maintenance
- odor management
- runoff management

Milker:

- cattle care and handling, equipment safety, and operation and maintenance
- chemical safety

Manure Handler:

- handling procedures and emergency response steps
- nutrient management
- odor management
- runoff management
- manure and waste handling

8. Training Presenters

Presenters for training sessions may include:

- Managers
- Feed Consultants
- Agronomy Consultant
- UW-Extension
- Government Agency staff
- Professional Associations
- Technical College
- Agricultural Engineers

9. Recording Attendance

For each internal training session attendance will be recorded using the attached sign-in sheet which includes the date of the training and the employees who attended. Similar methods will be used to verify other training received. See attached sign in sheets.

10. Example Checklists

Example checklists for monthly inspection of manure storage facilities, animal lot runoff and feed storage facilities.

Roden Echo Valley / Rob-n-Cin Farms Employee Training Record

[illegible]

1000

[illegible]

January 2026

Inspection Summary

Indicate names associated with inspection and depth reading initials

(Indicate any issues discovered during inspection)

Describe any issue(s) discovered during an inspection

Recommendations for repair or maintenance

Corrective actions taken (Immediately contact the DNR if unable to take corrective action within 30 days identifying malfunctions, failures or other problems)

Corrective actions taken (Immediately contact the DNR if unable to take corrective action within 30 days identifying malfunctions, failures or other problems)

(Include for any, all, or partial)

Plan to conduct remedial action(s) to be completed within 30 days of inspection. Need approval and report prior to starting remediation.

Plan to conduct remedial action(s) to be completed within 30 days of inspection. Need approval and report prior to starting remediation.

Remember, contact your
Regional DNR CAFO contact if you:

✓ Please contact your local DNR contact if you:

Local DNR Contact
Phone number

County LCD
Phone number

LIQUID STORAGE DEPTH READINGS

(Check each week on any day)

WEEK OF READING INITIALS

Jan 5

Jan 12

Jan 19

Jan 26

WEEK OF READING INITIALS

Jan 5

Jan 12

Jan 19

Jan 26

WEEK OF READING INITIALS

WEEK OF READING INITIALS

Jan 5

Jan 12

Jan 19

Jan 26

WEEK OF READING INITIALS

Jan 5

Jan 12

Jan 19

Jan 26

WEEK OF READING INITIALS

Indicate Sample Point #

LIQUID STORAGE DEPTH READINGS
(Check each week on any day)

Indicate Sample Point #

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JANUARY 2026

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
- Obtain manure application records. - When manure is transferred, record volume, nutrient content, name and address of commercial hauler. - Obtain soil test analysis. - Obtain manure test analysis. - Surface application of liquid manure is prohibited on frozen or snow-covered ground. Contact the DNR if emergency spreading is needed.				Inspect: 1 ☐ Water line Initials _____	Inspect: 2 ☐ Water line Initials _____	Inspect: 3 ☐ Water line Initials _____	
Inspect: 4 ☐ Water line Initials _____	Inspect: 5 ☐ Water line ☐ Storage/containment ☐ Stormwater controls ☐ Runoff controls Initials _____	Inspect: 6 ☐ Water line Initials _____	Inspect: 7 ☐ Water line Initials _____	Inspect: 8 ☐ Water line Initials _____	Inspect: 9 ☐ Water line Initials _____	Inspect: 10 ☐ Water line Initials _____	
Inspect: 11 ☐ Water line Initials _____	Inspect: 12 ☐ Water line ☐ Storage/containment ☐ Stormwater controls ☐ Runoff controls Initials _____	Inspect: 13 ☐ Water line Initials _____	Inspect: 14 ☐ Water line Initials _____	Inspect: 15 ☐ Water line Initials _____	Inspect: 16 ☐ Water line Initials _____	Inspect: 17 ☐ Water line Initials _____	
Inspect: 18 ☐ Water line Initials _____	Inspect: 19 ☐ Water line ☐ Storage/containment ☐ Stormwater controls ☐ Runoff controls Initials _____	Inspect: 20 ☐ Water line Initials _____	Inspect: 21 ☐ Water line Initials _____	Inspect: 22 ☐ Water line Initials _____	Inspect: 23 ☐ Water line Initials _____	Inspect: 24 ☐ Water line Initials _____	

QUARTERLY INSPECTION SUMMARY REPORT FORM

For WPDES-Permitted CAFO Operations

Date: _____ Monitoring Quarter: January-March

Facility Name: _____ Name of Person Performing Inspection: _____

Quarterly reporting forms should be completed at the end of each quarter and kept on-site until submitted to the Department on an annual basis as part of the Annual Report for a WPDES-permitted CAFO (keep copies for your records). This information is due by the compliance date in the WPDES permit – typically Jan. 31 of each year. This reporting form can be used for the quarterly monitoring requirements of your WPDES permit; you may also use your own quarterly monitoring form if you choose.

Per NR 243.19 WI Adm. Code, at minimum, quarterly report summaries shall include:

- 1) Identified permit violations, including all discharges of manure or process wastewater to surface waters; overflows of liquid manure or process wastewater storage and containment structures; and number of missed inspections. Note dates, times and approximate volume of discharges and corrective actions taken.
- 2) A summary of the condition of runoff control systems and storage and containment structures; summary of recorded levels of materials in liquid storage and containment structures, including exceedances of the maximum operating level and margin of safety level.
- 3) Other information requested by the department in writing or in the permit.

Summary of permit violations, spills, discharges, etc. (attach additional sheets if necessary):

MANURE STORAGE CONDITION

Is fencing installed around all storages?

☐ NO ☐ YES

Are there any rodent holes or erosion problems in berm walls?

☐ NO ☐ YES

Are there any signs of leakage or seepage problems?

☐ NO ☐ YES

ADDITIONAL COMMENTS

FEED STORAGE AREA CONDITION

Is there dead vegetation around perimeter of feed storage area?

☐ NO ☐ YES

Are there cracks in bunker walls or floor?

☐ NO ☐ YES

Are there any signs of leachate seepage along sidewalls or floor?

☐ NO ☐ YES

Are good housekeeping practices in place (sweeping waste feed)?

☐ NO ☐ YES

Is plastic being properly disposed of (not burned)?

☐ NO ☐ YES

FEED STORAGE RUNOFF CONTROLS (MARK THOSE RELEVANT TO YOUR SYSTEM) ☐ NOT APPLICABLE

Are designed runoff controls in place for the feed storage area?

☐ NO ☐ YES

Is leachate collection sump and pump functioning properly?

☐ NO ☐ YES

Does vegetated treatment area (VTA) have erosion problems?

☐ NO ☐ YES

Is VTA adequately vegetated and mowed regularly?

☐ NO ☐ YES

Are sedimentation collection areas and spreader stone areas cleaned out regularly?

☐ NO ☐ YES

OUTDOOR FEEDLOT AREA(S) CONDITION

Are feedlots scraped on a regular basis?

☐ NO ☐ YES

Are there any signs of erosion in or adjacent to feedlot area?

☐ NO ☐ YES

Are runoff control systems being maintained and cleaned regularly?

☐ NO ☐ YES

Are clean water diversions functioning (gutters, ditch diversions)?

☐ NO ☐ YES

Appendix F: Environmental Incident Response Plan

Emergency Response Plan

Farm Name: Rob-n-Cin Farms LLC

Owner/Operator: Bob Roden Phone: _____ Cell: 262-689-1037

Owner/Operator: Rick Roden Phone: _____ Cell: 262-689-1038

Farm Address: 5545 County Road Y, West Bend, WI 53095

Farm Location: T 11 N, R 20 E Section 25 County: Washington

Driving Directions or Emergency Coordinates: South of State Hwy 33 (Village of Newburg) on County Road Y for 3 miles. Located on the west side of the road.

In Case of Injury, Fire, or Rescue Emergency, Immediately Implement the Following:

1. Assess the condition of the victim, extent of the emergency (fire, rescue) and call for help.
2. Stabilize the victim, use on-site rescue equipment, evacuate buildings, or begin fire suppression as necessary.
3. Brief emergency responders upon arrival on current status of situation.

In Case of a Spill, Leak, or Failure at the Storage Facility, During Transport, or Land Application, Immediately Implement the Following:

1. Stop the source of the leak or spill. For example:
 - Turn off all pumps/valves and clamp hoses or park tractor on hoses to stop the flow of manure or waste product.
2. Assess the situation and make appropriate calls for people, equipment, and materials. See contacts below.
 - Call the spill hotline: 1-800-472-2121 (Reporting spills which may cause pollution to water of the state is mandatory by state law.)
 - Call sheriff's office if spilled on public roads or its right-of-ways for traffic control.
 - Clear the road and roadside of spilled material immediately.
3. Contain the spill and prevent spillage from entering surface waters, tile intakes, or waterways.
 - Use a skid loader or tractor with a blade to build dikes to contain or divert the spill or leak.
 - Insert sleeves around tile intakes (or plug/cap intakes) and block down slope culverts.
 - Use tillage implements to work up the ground ahead of the spill or use absorptive materials.
4. Begin cleanup.
 - Use pumps to recover liquids.
 - Land apply on approved cropland at appropriate rates.
5. Document your actions.

Emergency Contacts	Contact Person (or Company)	Phone Number
Fire/Rescue	Newburg Fire Dept	911
County Sheriff	Washington County	911
Farm Emergency Coordinator	Rick Roden	262-689-1038
DNR Hazardous Spill Line	WI DNR	800-943-0003
DNR Contact	Kate Markiewicz	608-893-4046
Veterinarian	Dairy Doctors	920-892-4696
Equipment/Supplies	Contact Person (or Company)	Phone Number
On-Farm Equipment Operator	Rick Roden	262-689-1038
Excavation Contractor Manure	R Braun Inc.	920-773-2143
Hauler	KD3 Ag Solutions LLC / Chad Daniels	262-206-4437
Septic Tank Pumping Truck	Rural Sanitation	262-644-5548
Mortality Disposal Contractor	Sandy Bay	920-755-2834
Local Government Contacts	Contact Person	Phone Number
Town Chairman	Mike Lipscomb	262-675-4523
LCD County Conservationist	Paul Backhaus	262-335-4803
NRCS District Conservationist	Mike Patin	262-346-2359

Be prepared to provide the following information:

- Your name and contact information
- Farm address, location and other pertinent identification information.
- Nature of emergency (employee injury, fire, discharge of manure, waste product or hazardous materials).
- Emergency equipment and personnel that are needed.
- Potential for manure or hazardous materials to reach surface waters or major field drains.
- Current status of containment efforts.
- Location of hazardous/flammable materials, fire suppression equipment, emergency cut off switches or valves.

Emergency Accident Plan Incident Worksheet

Incident Date:
Incident Time:
Location:
People and Agencies Involved:
Type and Description of Incident:
Worksheet Completed By (print name):
Signature:
Date Completed:

Odor Monitoring Worksheet

Date of Complaint:	
Time:	
Form Completed by:	
Complaint Received from:	
Address:	
Phone Number:	
Comments:	
Temperature:	
Relative Humidity:	

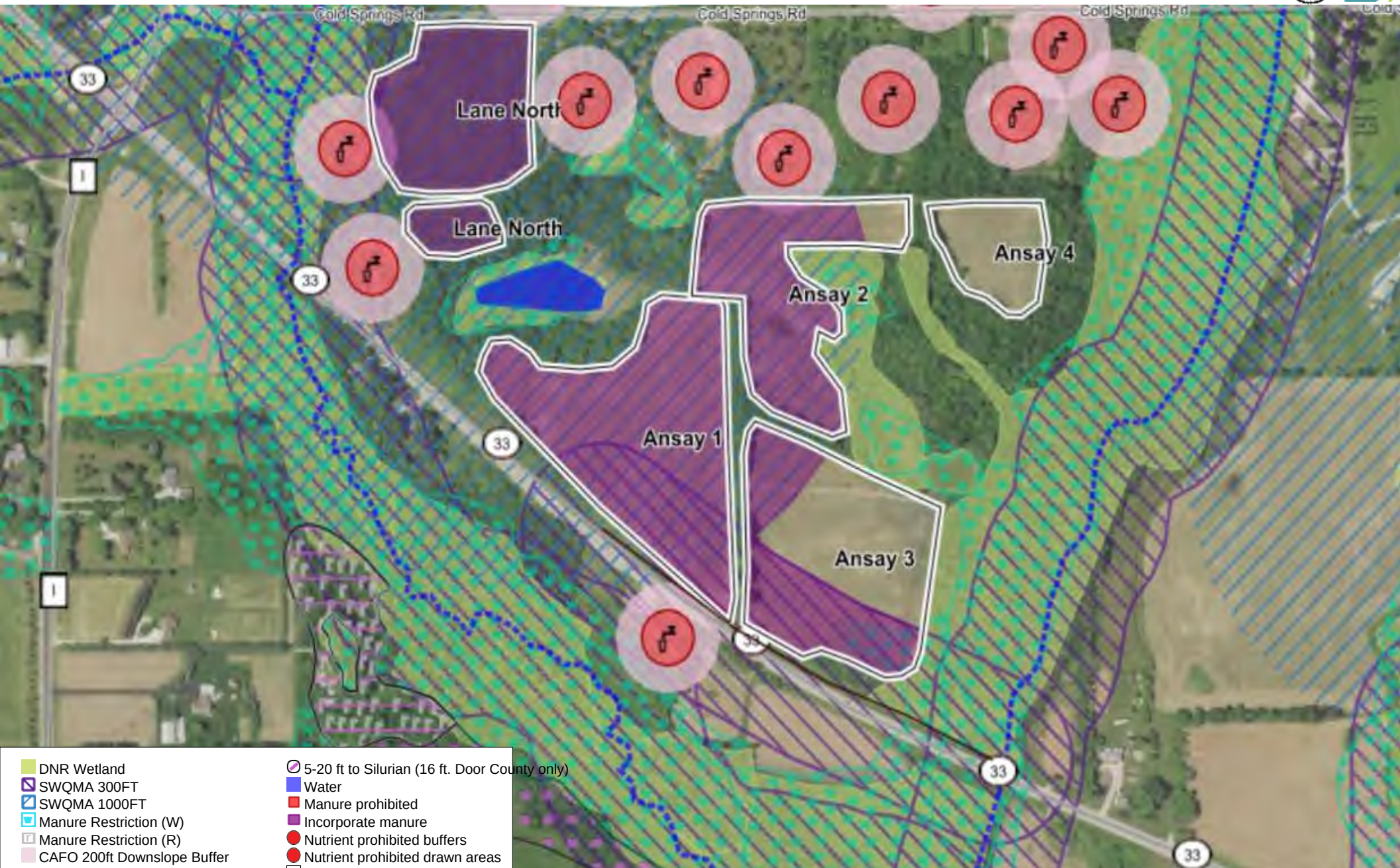
Weather Conditions:	Sunny	Partly	Cloudy	Mostly	Cloudy	Overcast	Hazy	
Precipitation:	None	Fog	Rain	Sleet	Snow			
Wind Direction (from):	N	NE	E	SE	S	SW	W	NW
Wind Speed:	Calm	Light	Moderate	Strong				

Odor Source:	
Description:	
Nuisance Potential:	
Actions take to reduce conflict:	

Appendix G: Restriction Maps and DNR NMP Approval Letter

Ansay Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s27



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Water |
| SWQMA 1000FT | Manure prohibited |
| Manure Restriction (W) | Incorporate manure |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Ditch |
| Waterbodies | Drinking well |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Worth O Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s14



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Not farmed
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Worth O Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s14



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft

- 5-20 ft to Silurian (16 ft. Door County only)
- Not farmed
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Tillman Port Surface Application Restrictions

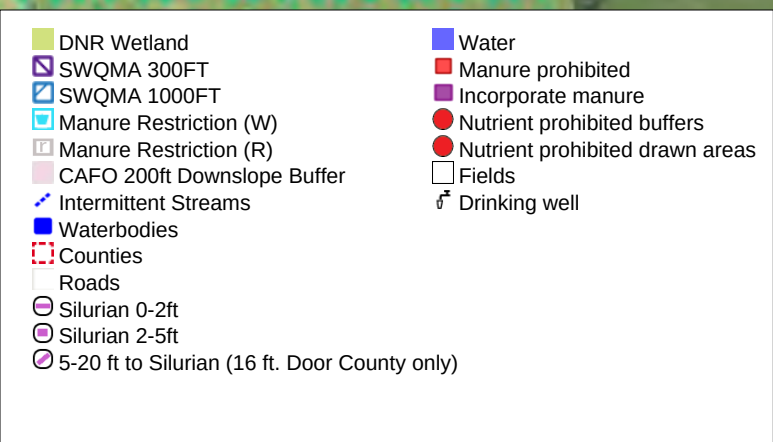
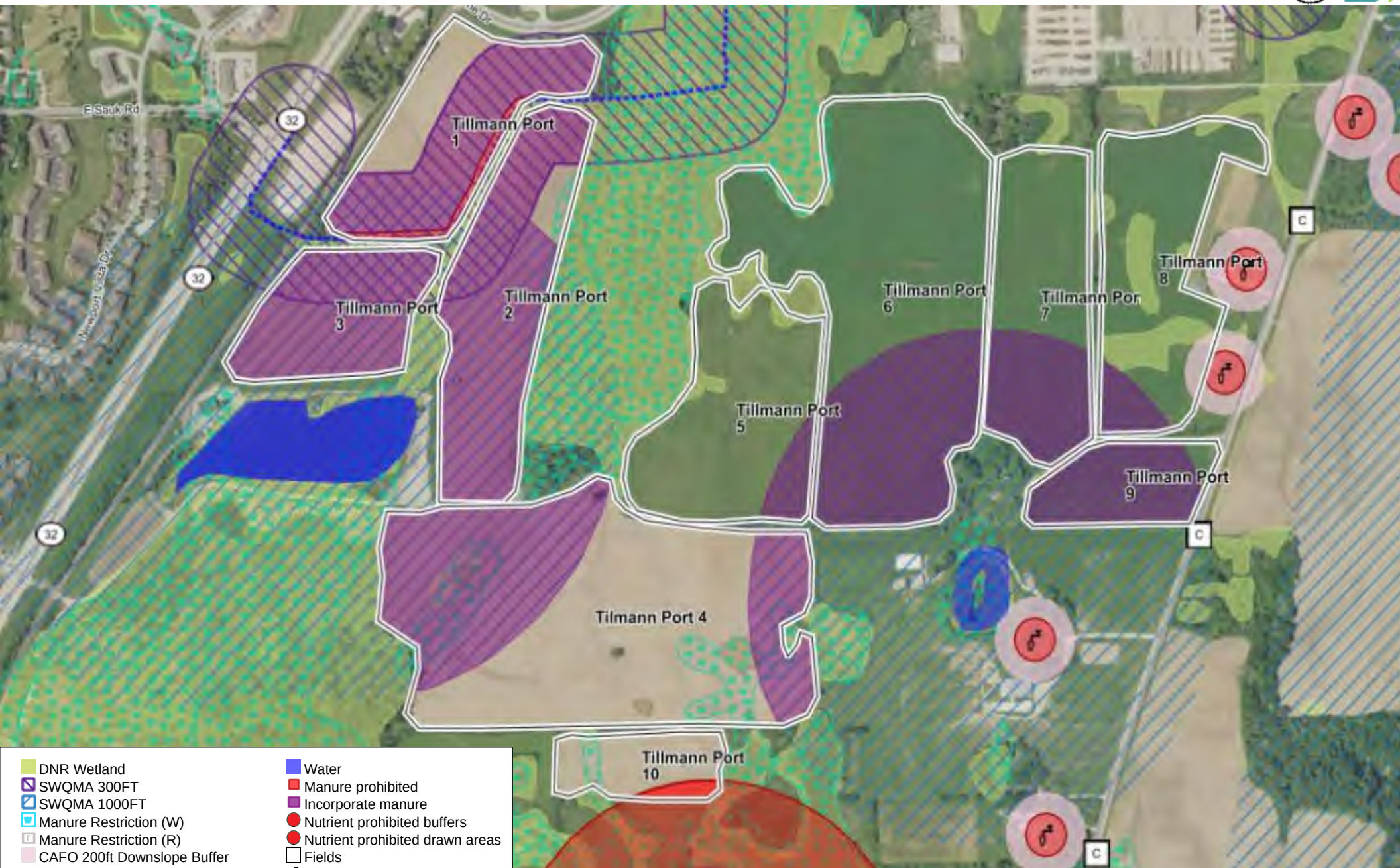
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 22E s4



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Water
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- ⚓ Drinking well

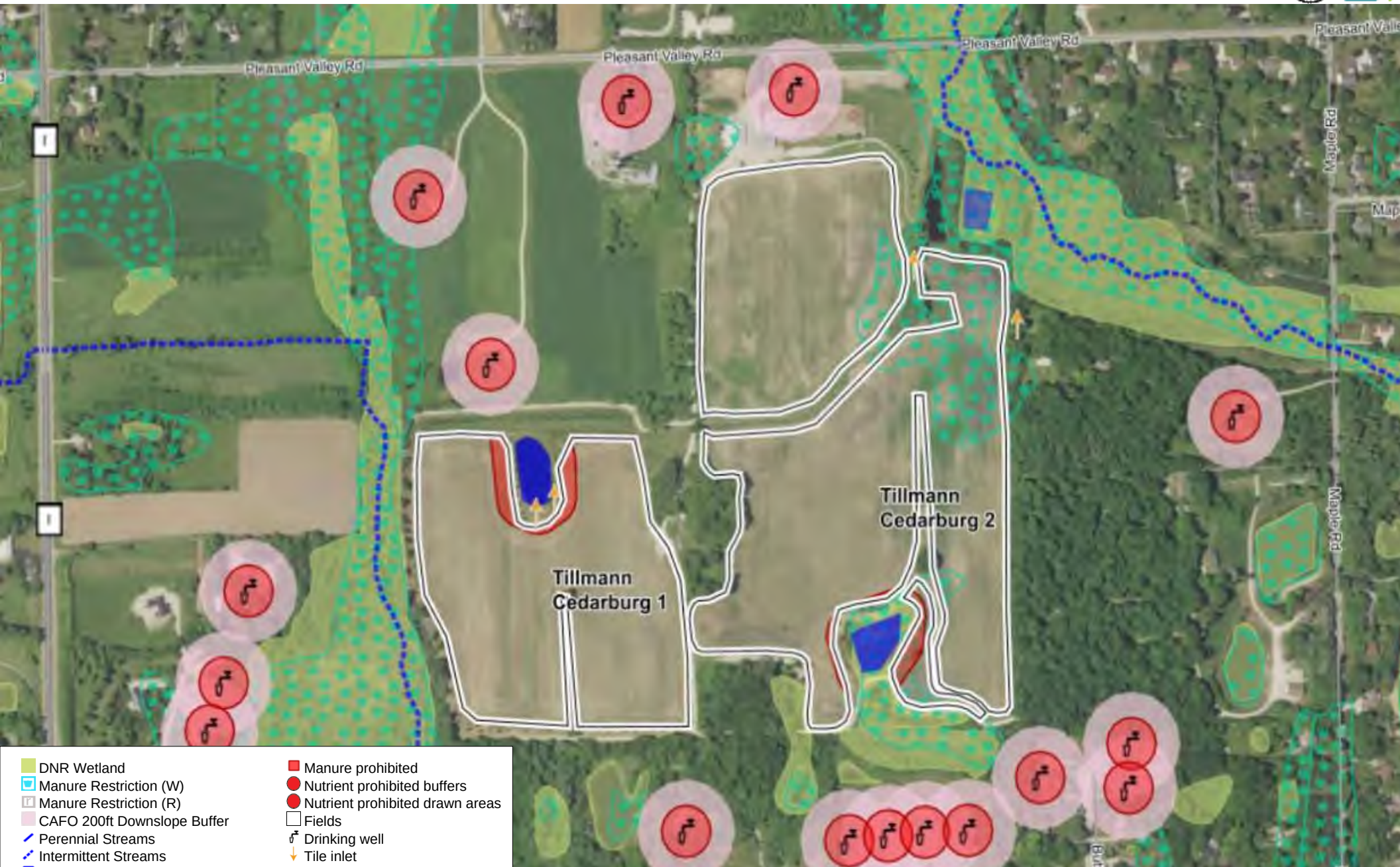
Tillman Port Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 22E s4



Tillman Cedarburg Surface Application Restrictions

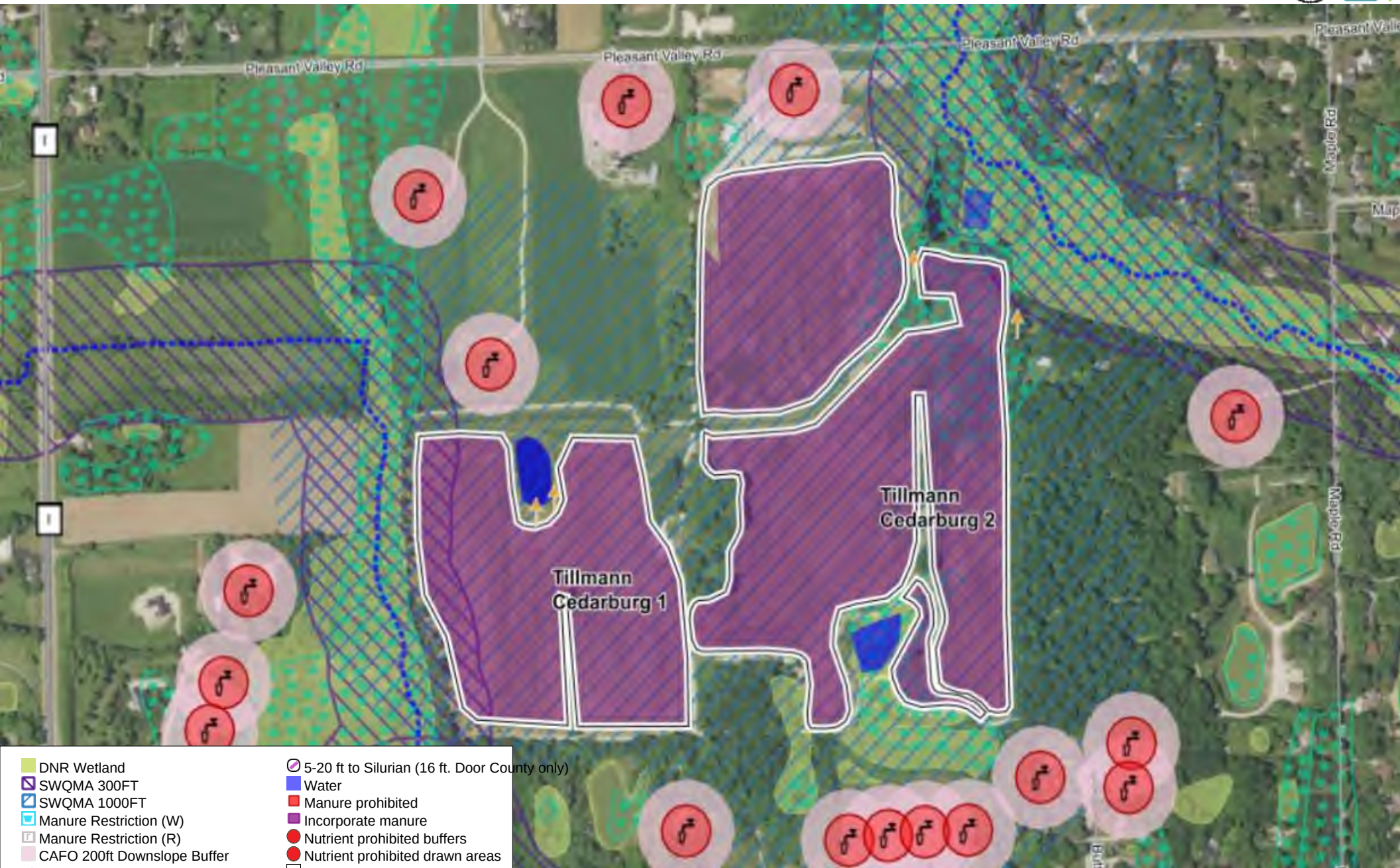
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 21E s11



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Drinking well |
| Intermittent Streams | Tile inlet |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Water | |

Tillman Cedarburg Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 21E s11



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Water |
| SWQMA 1000FT | Manure prohibited |
| Manure Restriction (W) | Incorporate manure |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | Tile inlet |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Thill Surface Application Restrictions

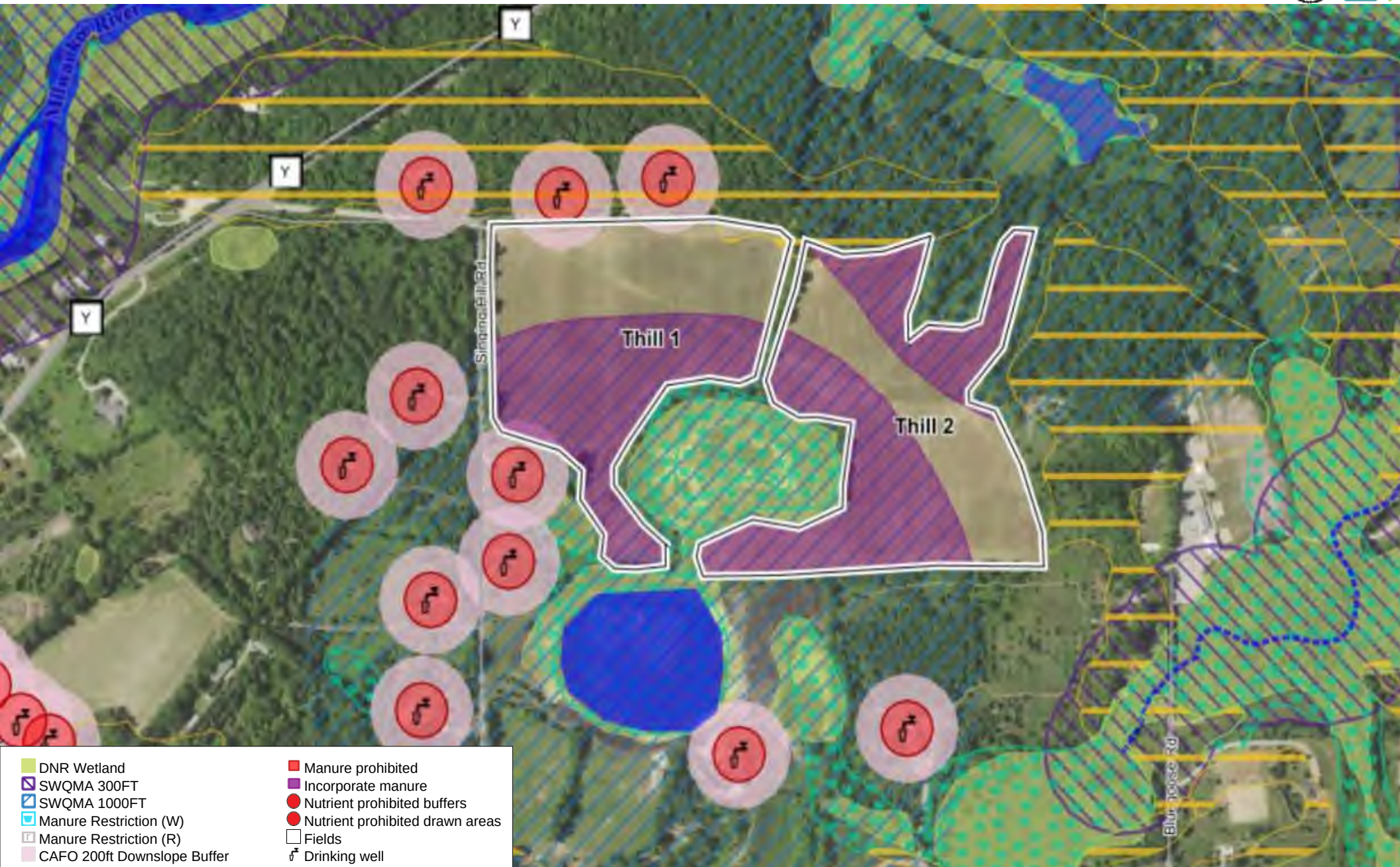
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s7



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Water
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Thill Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s7



- | | |
|-----------------------------|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Perennial Streams | |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Water | |

Stroebe Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 21E s3



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited

- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Stroebe Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 21E s3

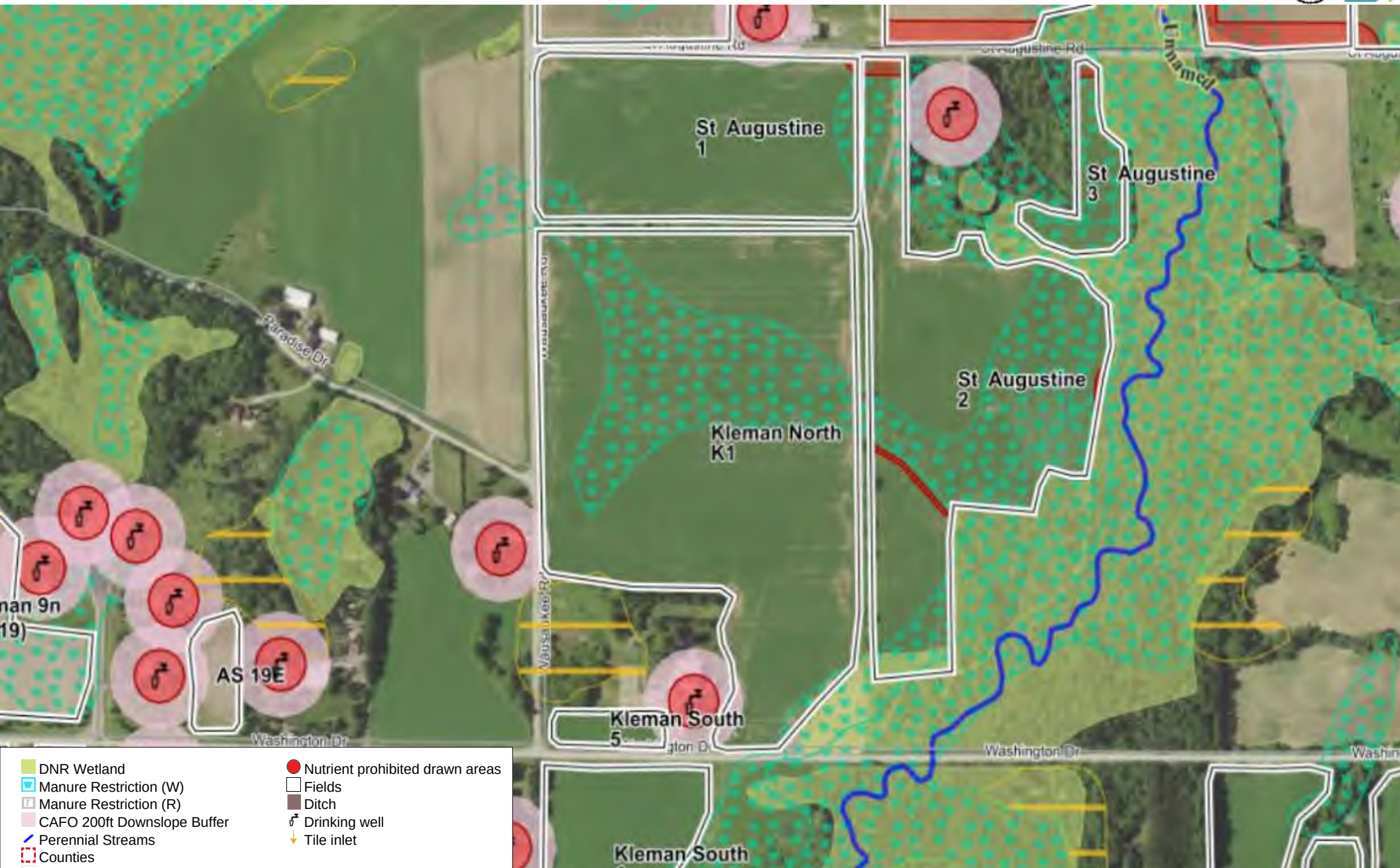


- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft

- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

St. Augustine-Kleman North Surface Application Restrictions

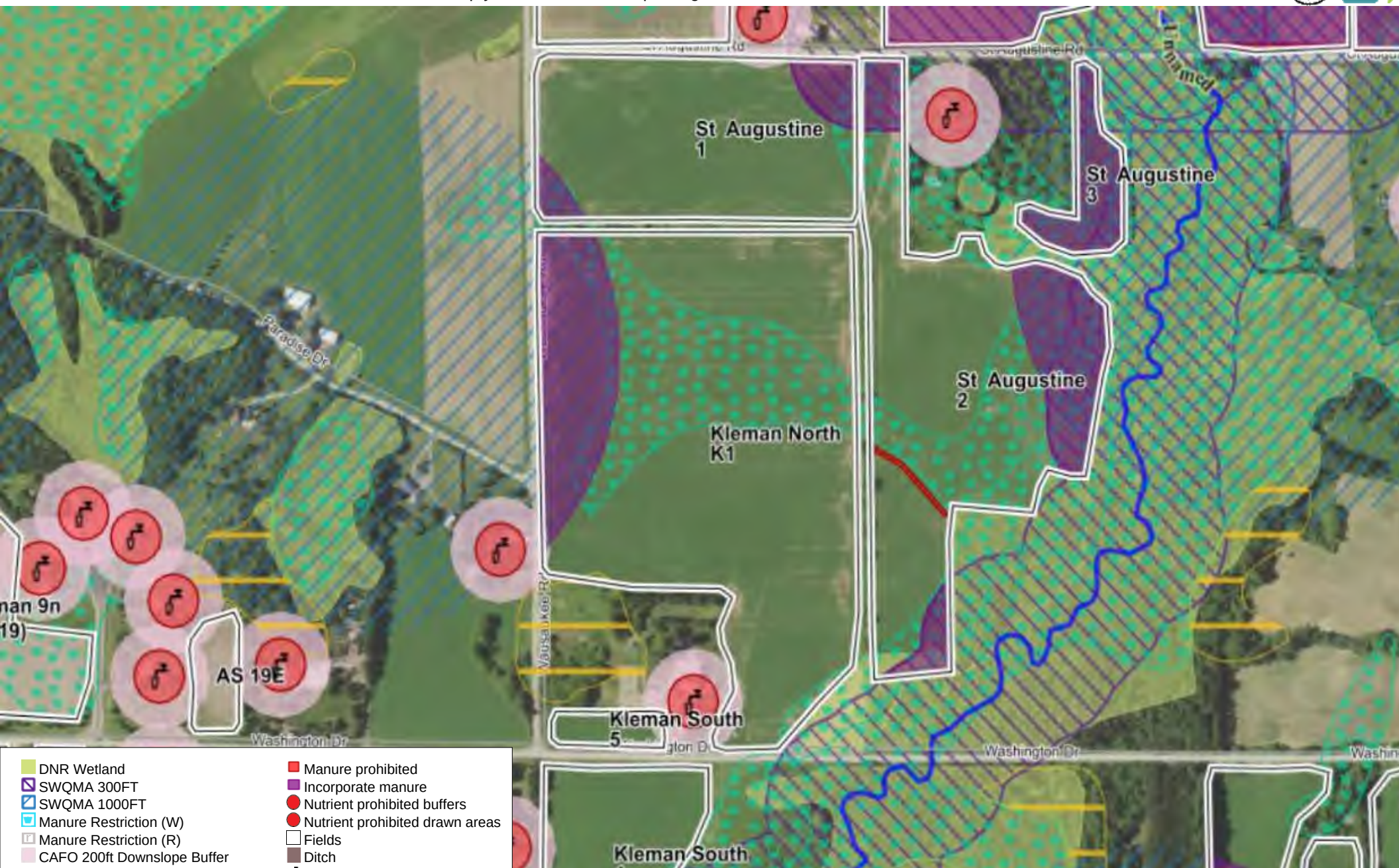
Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s36



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Ditch
- Drinking well
- Tile inlet

St. Augustine-Kleman North Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s36



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Ditch |
| Perennial Streams | Drinking well |
| Counties | Tile inlet |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

SnapPlus

Wisconsin's Nutrient Management Software

CAFOs: SnapMaps Legend Colors and Symbols Explanations

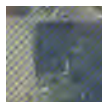
This publication explains the map symbols used in SnapMaps for nutrient management plans on WPDES permitted farms (CAFOs), which are required to follow WI NR 243.14 as well as Wisconsin's 590 Nutrient Management Standard.

SWQMAs (purple, blue or grey diagonal lines)

SWQMA stands for Surface Water Quality Management Area.



A **CAFO SWQMA** extends 300 ft. from a perennial stream, intermittent stream or a concentrated flow channel that has been identified as a conduit to navigable water. CAFO SWQMAs cover and extend beyond 590 SWQMAs.



SWQMA 1000 ft is 1,000 ft. from a lake or pond.

- ✓ **No manure applications are allowed in the winter.**
- ✓ NR 243 requires a no-manure area along all waterways and flow channels that have a SWQMA. Minimum setback widths depend on application method and field practices. The most common strategies allowed by NR 243 are:
 - ✓ Manure is injected or immediately incorporated in rest of SWQMA, minimum width is 25 ft.
 - ✓ Field is long-term no-till with at least 30% residue or plant cover, minimum width is 25 ft.
 - ✓ Manure is surface-applied, minimum width is 100 ft.



SWQMA 1000 ft Dismissed (gray diagonal pattern)

Areas where the planner has turned off the SWQMA designation after determining the lake or pond indicated on the map is in error.



CAFO Manure Restriction (W): Areas that may have a water table within 24 in. of the soil surface.

- ✓ NR 243 prohibits manure applications when the water table is within 24 in. of the surface.



CAFO Manure Restriction (R): Areas that may have bedrock within 24 in. of the soil surface.

- ✓ NR 243 prohibits manure applications when the bedrock is within 24 in. of the surface.



Tile lines (brown lines)

- ✓ Unincorporated liquid manure applications are limited to 12,000 gallons per acre.



Nitrogen (N) restricted soils (gold lines or squares)

Soils identified as having a high risk for allowing contaminants to leach through to groundwater have restrictions on N rates and timing.

- ✓ Fall applications of commercial nitrogen are not allowed on these soils except for up to 36 lb N per acre on fall-seeded crops or in blends with other fertilizers.
- ✓ Each soil type has additional restrictions as described below:



P (high permeability) Water moves through these soils relatively quickly.

- ✓ Fertilizer N in the spring and summer has to be applied in split applications with the majority post-planting or else applied with a nitrification inhibitor or in slow-release form.
- ✓ Late summer or fall manure N is limited to 90 lb N/a for spring-planted crops (i.e. corn, soybean) and 120 lb per acre for all other crops. Fall applications before spring-planted crops should be delayed until soil temperatures are less than 50°F or October 1, whichever comes first. If the manure has 4% dry matter or less, applications must be surface-applied or use a nitrification inhibitor.



R (bedrock likely to be within 20 inches of the soil surface)

- ✓ These soils have the same late summer and fall manure N guidelines as outlined above for P soils but do not have restrictions on spring or summer commercial fertilizer.



W (water table within 12 inches of the surface)

- ✓ Late summer or fall manure N is limited to 120 lb.
- ✓ For fall-applied manure with 4% or less dry matter, the application is limited to 90 lb N unless one of the following is used: surface application; nitrification inhibitor; application to growing crop; cover crop established within 14 days; or application delayed until soil temperatures are less than 50° F or October 1, whichever comes first.



Bedrock depth < 5 ft (orange areas with black outline)

Areas where bedrock is within 5 ft. of the surface have an increased risk of groundwater contamination.

- ✓ Commercial nitrogen fertilizer is prohibited in the late summer or fall except on fall-seeded crops or in blends with other fertilizers, maximum application rate is 36 lb N per acre.
- ✓ NR 243 prohibits manure application to these areas in the winter.

Exclusion areas (crosshatched areas, multiple colors)

Exclusion areas are drawn in SnapMaps and represent uncropped areas of a field that should not be included in the field acres for nutrient management planning.

- | | |
|--|-----------------------------|
| Yellow = not farmed | Magenta = grass filter area |
| Green = vegetated buffer | Blue = non-metallic mine |
| Black = sinkhole/
other karst feature | Purple = other |
| | Solid blue = waterbody |

- ✓ Nutrients cannot be applied in exclusion areas.

County Defined Karst Features (black triangle)

These are karst features mapped by the county in Brown, Door, Kewaunee and Manitowoc counties. They are considered direct conduits to groundwater.

- ✓ No fertilizer (except corn starter) within 50 ft.
- ✓ No manure within 100 ft. year-round and within 300 ft. in winter.

County-identified layers: Farms in Door and Kewaunee counties may have an area with local prohibitions (brown diagonal lines) and farms in Manitowoc county may have a white outline around an area contributing runoff to a direct conduit to groundwater (Contact the county for more information).

Municipal Wells (black symbol): Also known as Community Wells.

- ✓ Manure and other organic amendments may not be spread within 1,000 ft. unless treated to remove pathogens.
- ✓ Commercial nitrogen fertilizer is prohibited in the late summer or fall except on fall-seeded crops or in blends with other fertilizers, maximum application rate is 36 lb N per acre.

Points | Direct Conduits to Groundwater (various symbols)

The following are features that may provide a direct pathway for water to carry contaminants from the surface to groundwater.

- ✓ Under NR 243, they have 100 ft. setbacks for manure application year-round and 300 ft. setbacks in winter.
- ✓ No commercial fertilizer except for corn starter within 50 ft.

Drinking well is a private well for a household or farmstead.

Public well is a well that serves at least 25 people for at least 6 months per year; also known as non-community potable water wells, examples include schools, restaurants, churches.

Irrigation well is used only for irrigation, never drinking water. No-fertilizer zone is 8 ft.

Sinkhole is a depression in the ground that has no natural external surface drainage so that rainwater or runoff entering the sinkhole typically drains to the subsurface.

Non-metallic mine is typically a gravel pit or sand mine.

Nutrient prohibited areas (red areas)

Red areas on maps show where there is a prohibition on manure or other nutrient applications. SnapMaps automatically draws these areas around restricted areas, or planners can draw them to indicate places to avoid manure.

Concentrated flow channels (solid colored lines)

Grassed waterway, **non-eroding channel or ditch:** Natural and man-made channels where

field runoff comes together as it drains from the field.

- ✓ Nutrients should not be applied directly to concentrated flow channels.
- ✓ Manure cannot be applied in winter to fields with concentrated flow channels unless at least two of the following conservation practices are followed: **a)** contour buffer strips or strip cropping; **b)** no residue removed and no fall tillage, **c)** intermittent applications on no more than half of the field; **d)** applications on no more than 25% of the field at a time, with 14 days between applications; **e)** applications limited to the lowest of 3,500 gallons or 30 lb P₂O₅ per acre; **f)** 200 ft. no-application set back from all concentrated flow channels; or **g)** fall tillage on contour (only applicable where slopes are less than 6%).

Ephemeral erosion channel: Can be removed by tillage but often reoccur in the same location year after year.

- ✓ Conservation practices must be implemented to control ephemeral erosion in fields where it is identified.

Gully: An eroding channel that cannot be tilled through.

- ✓ These areas should be repaired by establishing perennial vegetation.

Winter restrictions

Winter conditions are defined as having frozen or snow-covered soils (for CAFOs, greater than 1" of snow) that prevent effective incorporation at the time of application.

Winter restrictions slope 6-12% (pink areas)

The areas in pink are likely to have slopes greater than 6% and less than 12%.

- ✓ Winter applications of manure with more than 20% dry matter applications can be made on slopes up to 9%, but required setbacks for SWQMA, wetlands, channelized flow and direct conduits to groundwater shown in SnapMaps must be doubled.

For the WI 590 standard, winter manure applications on fields with slopes greater than 6% require special management to protect against manure runoff.

- ✓ At least two of the following conservation practices must be followed: **a)** contour buffer strips or strip cropping; **b)** no residue removed and no fall tillage, **c)** intermittent applications on no more than half of the field; **d)** applications on no more than 25% of the field at a time, with 14 days between applications; **e)** applications limited to the lowest of 3,500 gallons or 30 lb P₂O₅ per acre.

No Winter app. Slope >12% (red areas)

- ✓ No winter manure applications.

Wetlands 200 ft buffer (green areas)

- ✓ NR 243 requires a 200 ft. setback upslope of wetlands for winter manure applications.

Channelized Flow 200 ft Buffer (orange diagonal lines)

- ✓ NR 243 requires a 200 ft. setback upslope of concentrated flow channels for winter manure applications.

Direct conduit to GW 300 ft (khaki diagonal line pattern)

- ✓ Direct conduits to groundwater have a 300 ft. setback for winter manure applications.

Schmidt South Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:10N 20E s11



- | | |
|---|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Perennial Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Schmidt South Incorporation Restrictions

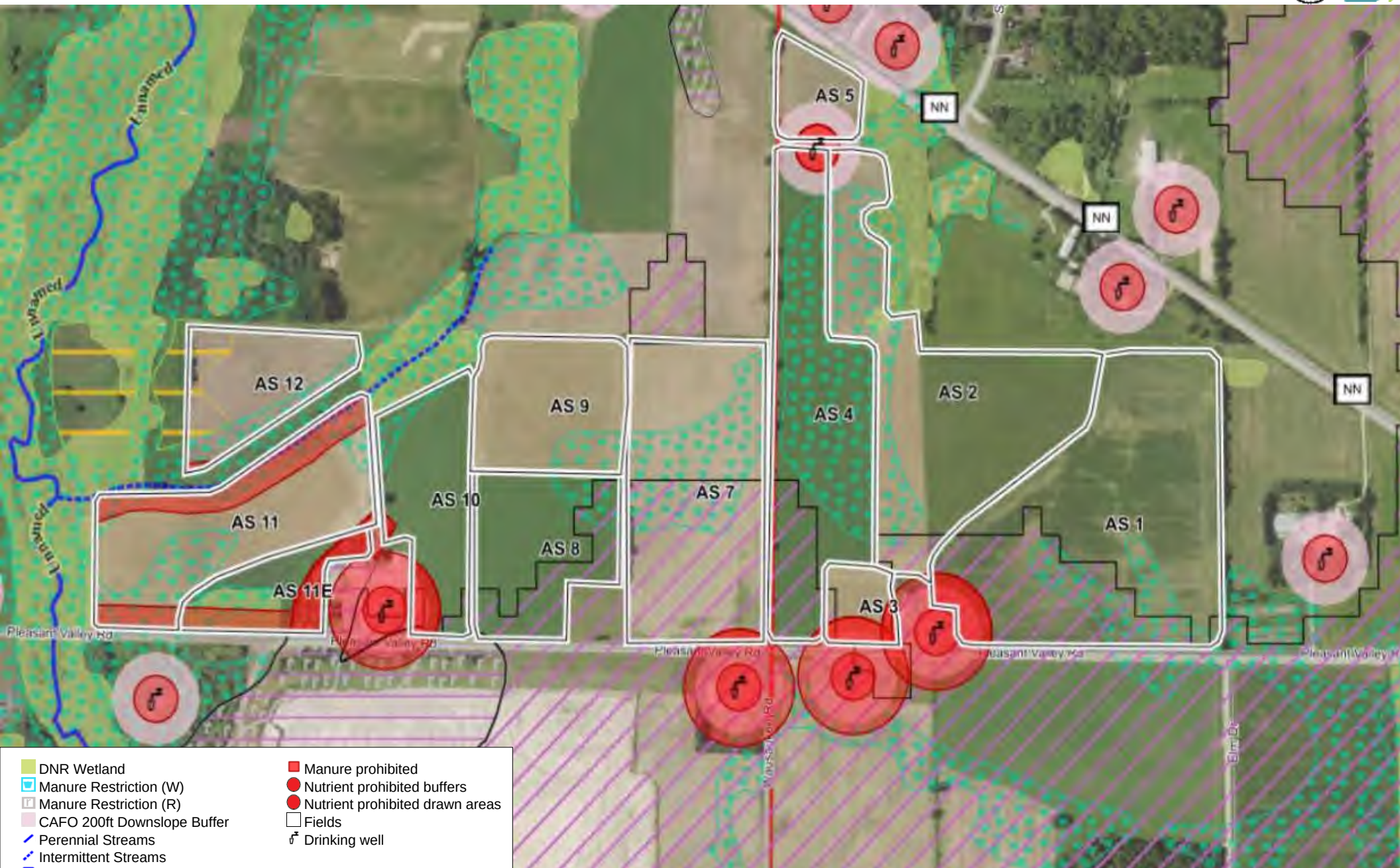
Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:10N 20E s11



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
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- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

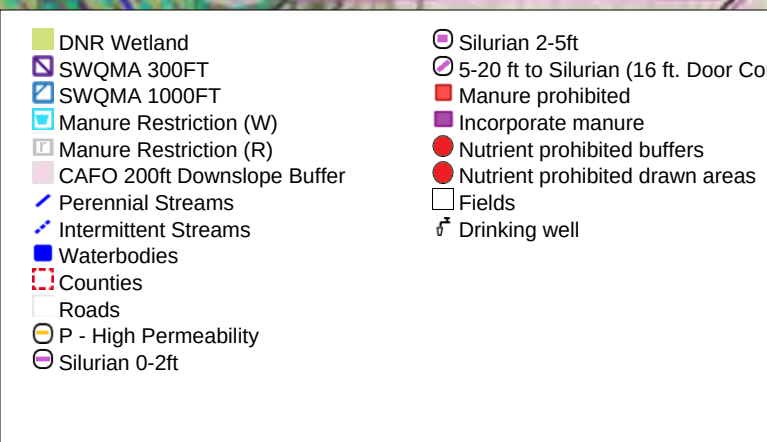
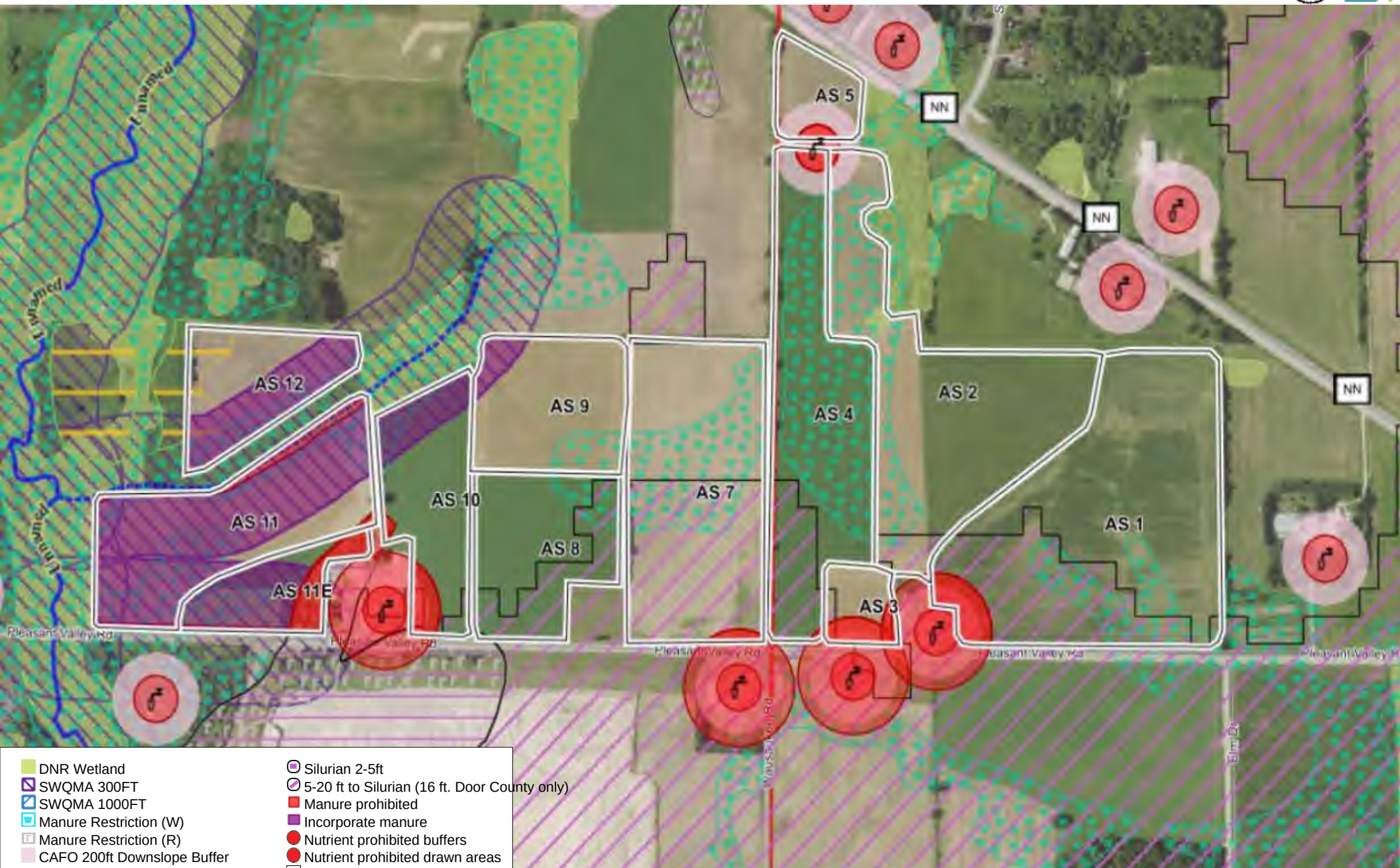
Schmidt North Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:10N 21E s6



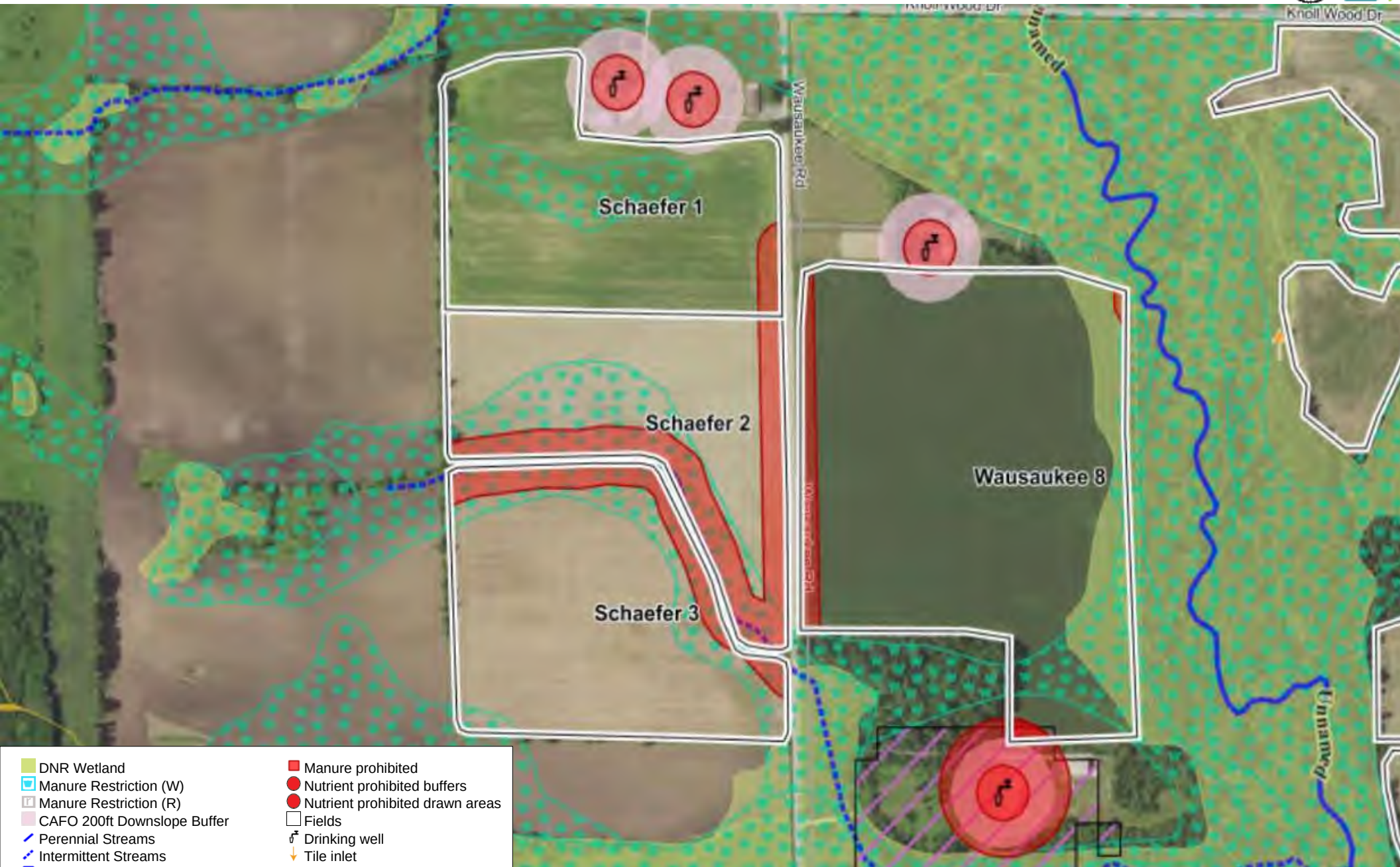
Schmidt North Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:10N 21E s6



Schaefer-Wausaukee Surface Application Restrictions

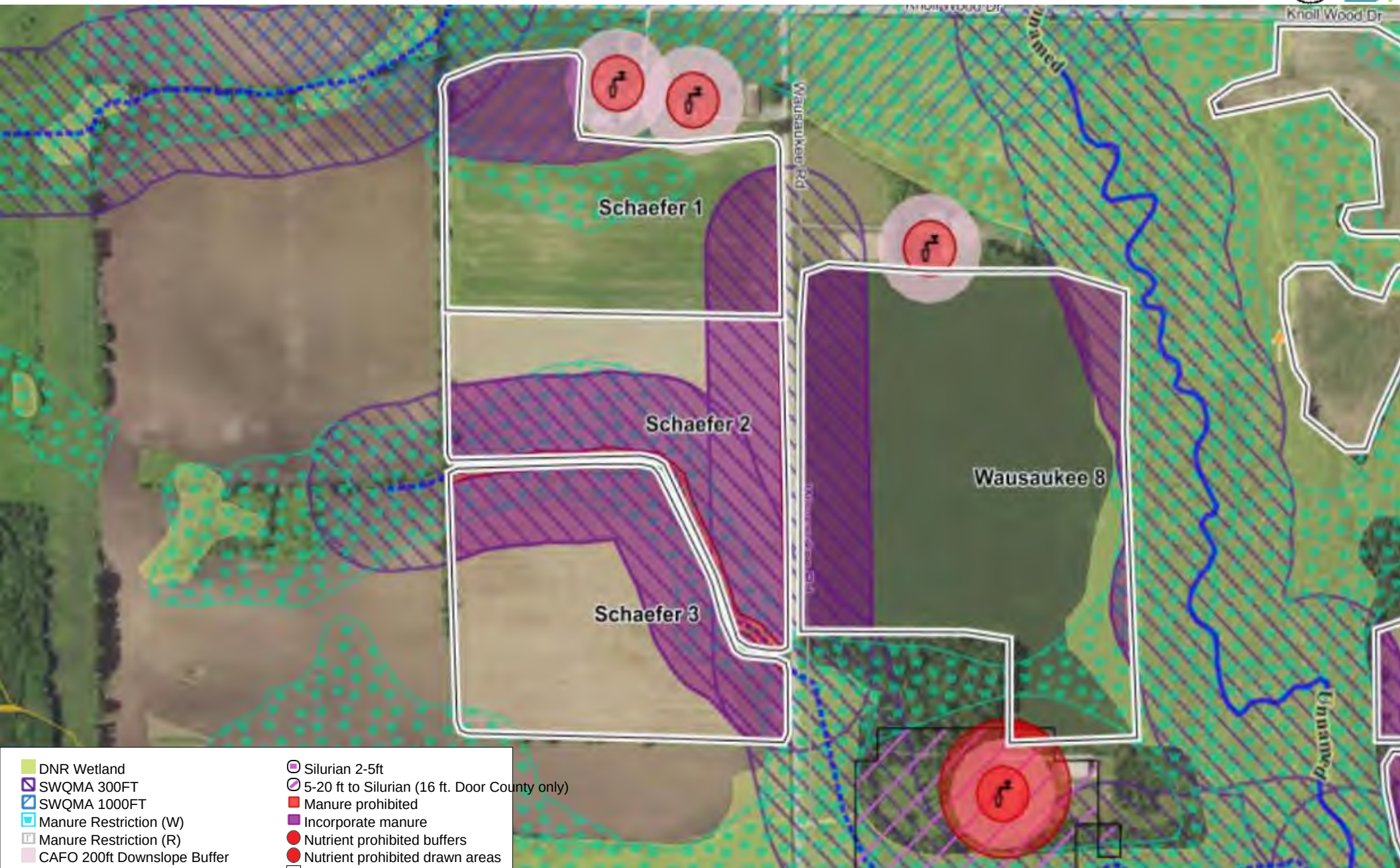
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 20E s25



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Drinking well |
| Intermittent Streams | Tile inlet |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Schaefer-Wausaukee Incorporation Restrictions

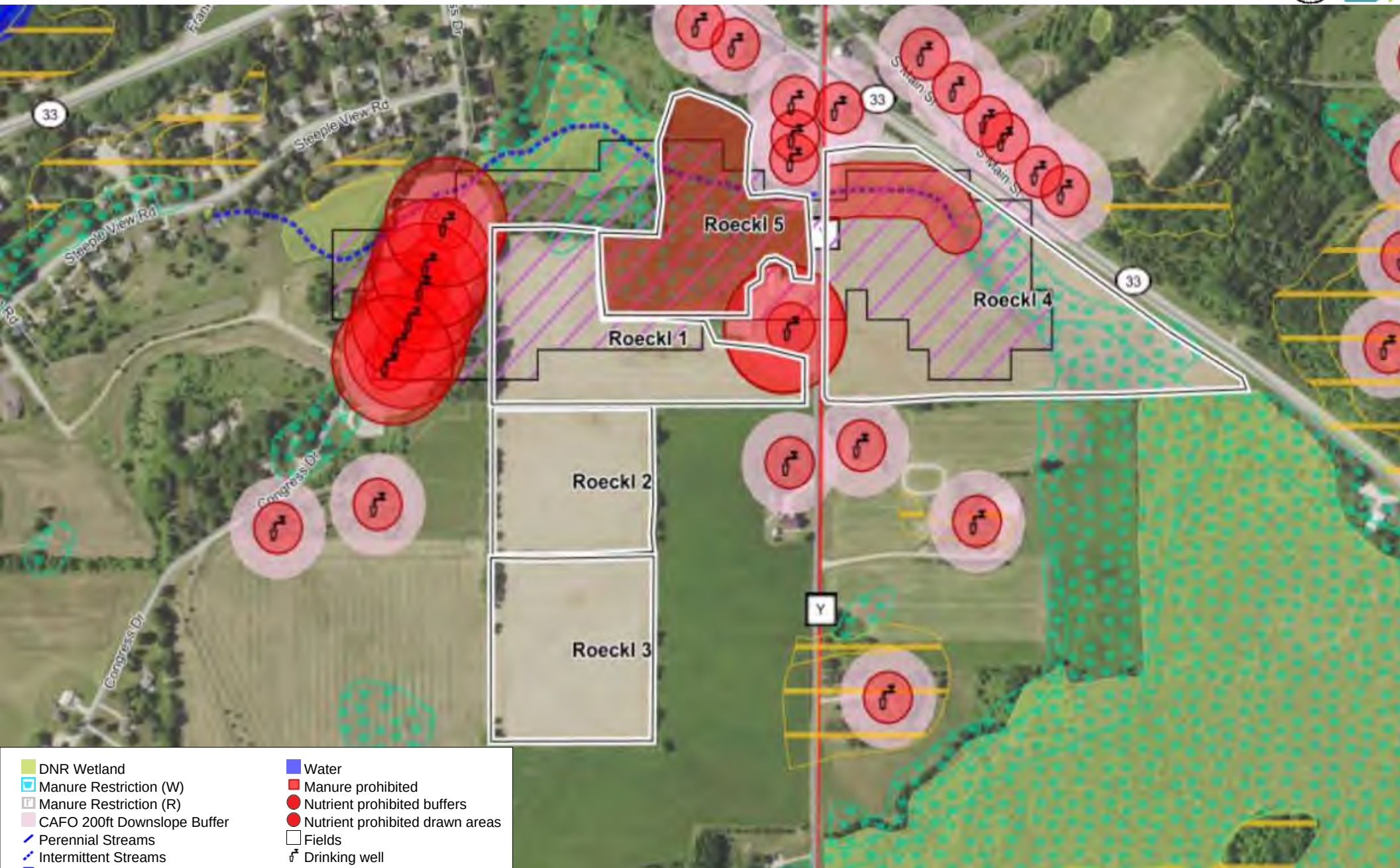
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 20E s25



- | | |
|---|---|
|  DNR Wetland |  Silurian 2-5ft |
|  SWQMA 300FT |  5-20 ft to Silurian (16 ft. Door County only) |
|  SWQMA 1000FT |  Manure prohibited |
|  Manure Restriction (W) |  Incorporate manure |
|  Manure Restriction (R) |  Nutrient prohibited buffers |
|  CAFO 200ft Downslope Buffer |  Nutrient prohibited drawn areas |
|  Perennial Streams |  Fields |
|  Intermittent Streams |  Drinking well |
|  Waterbodies |  Tile inlet |
|  Counties | |
|  Roads | |
|  P - High Permeability | |
|  Silurian 0-2ft | |

Roeckl Surface Application Restrictions

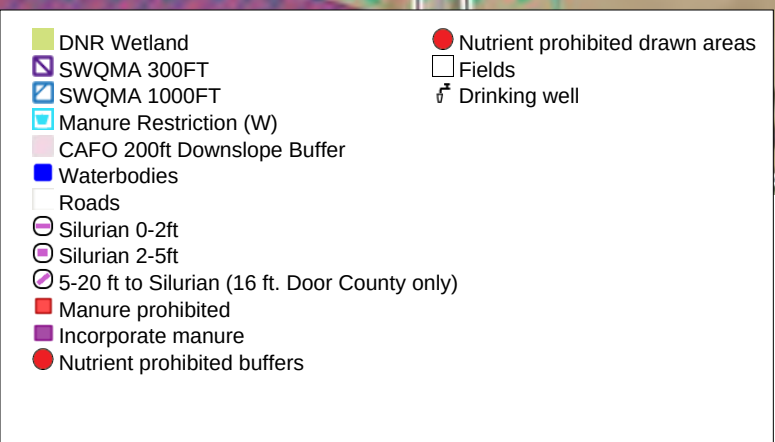
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s18



- | | |
|---|---------------------------------|
| DNR Wetland | Water |
| Manure Restriction (W) | Manure prohibited |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Rathke Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/19/2023, Crop year: 2023, Township Range Section:12N 21E s33



Preschat Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s31



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Preschat Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s31



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |



Paul Incorporation Restrictions

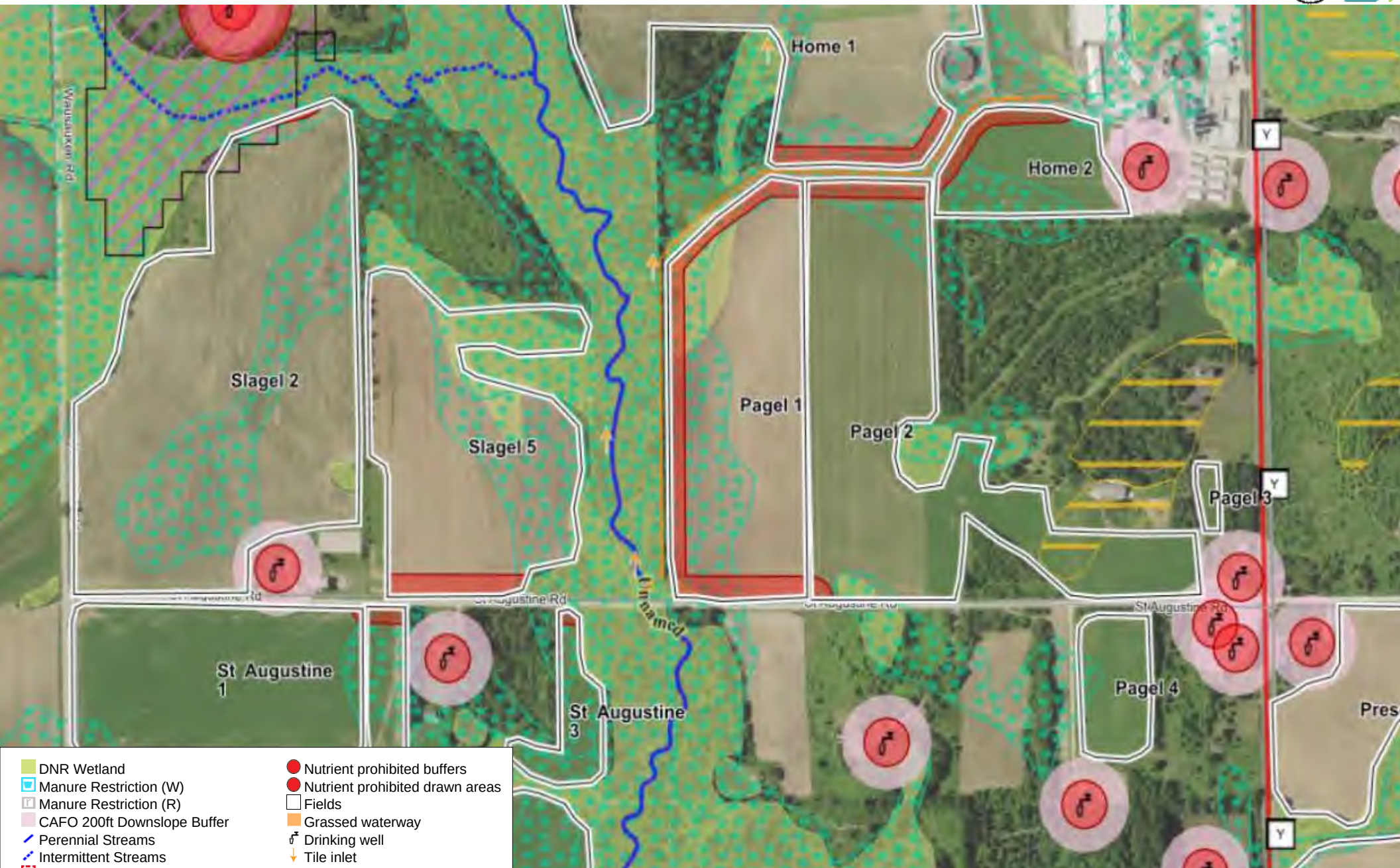
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:10N 21E s4



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Page-Slagel Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s25

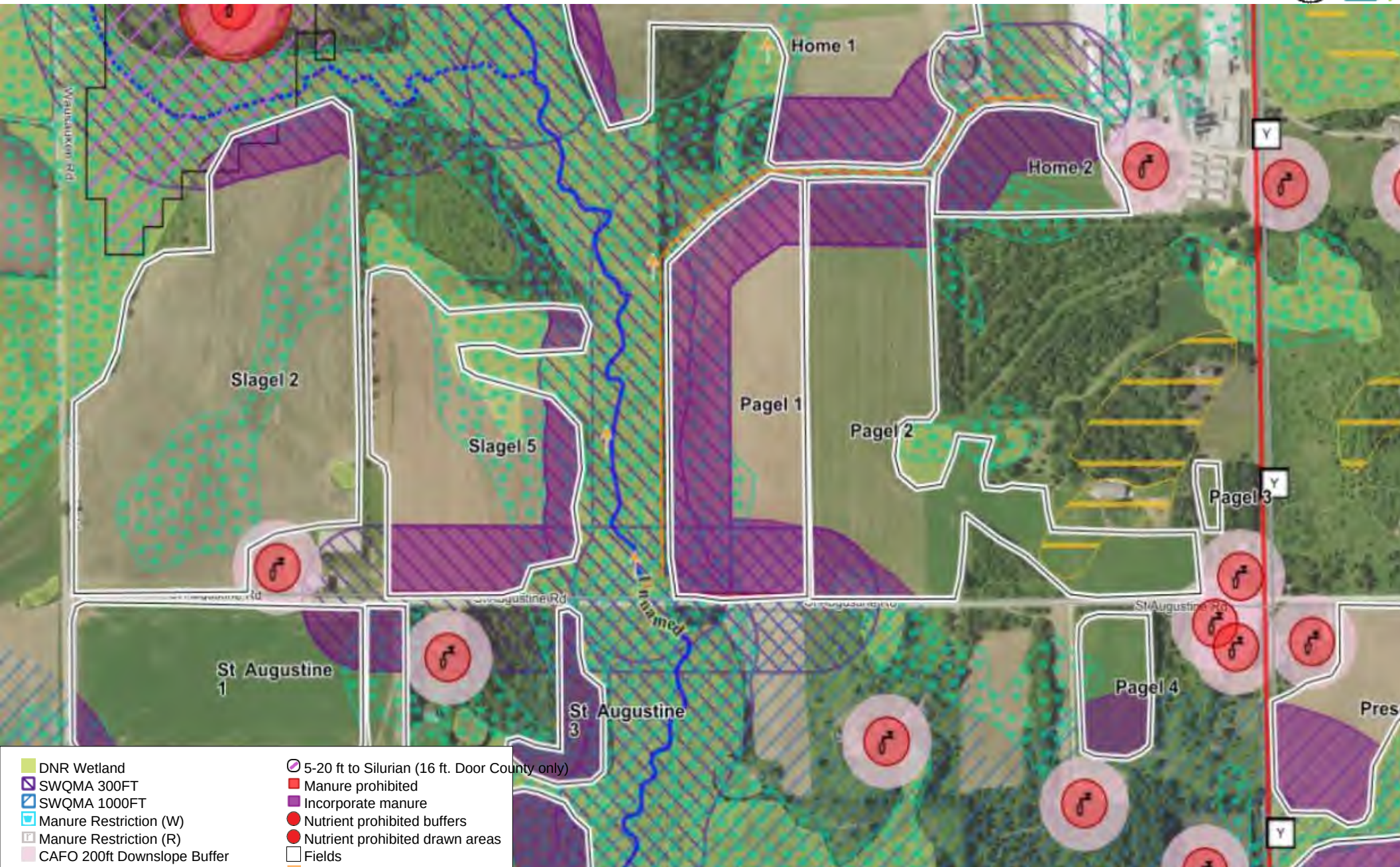


- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Grassed waterway
- Drinking well
- Tile inlet

Page-Slagel

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s25

Incorporation Restrictions

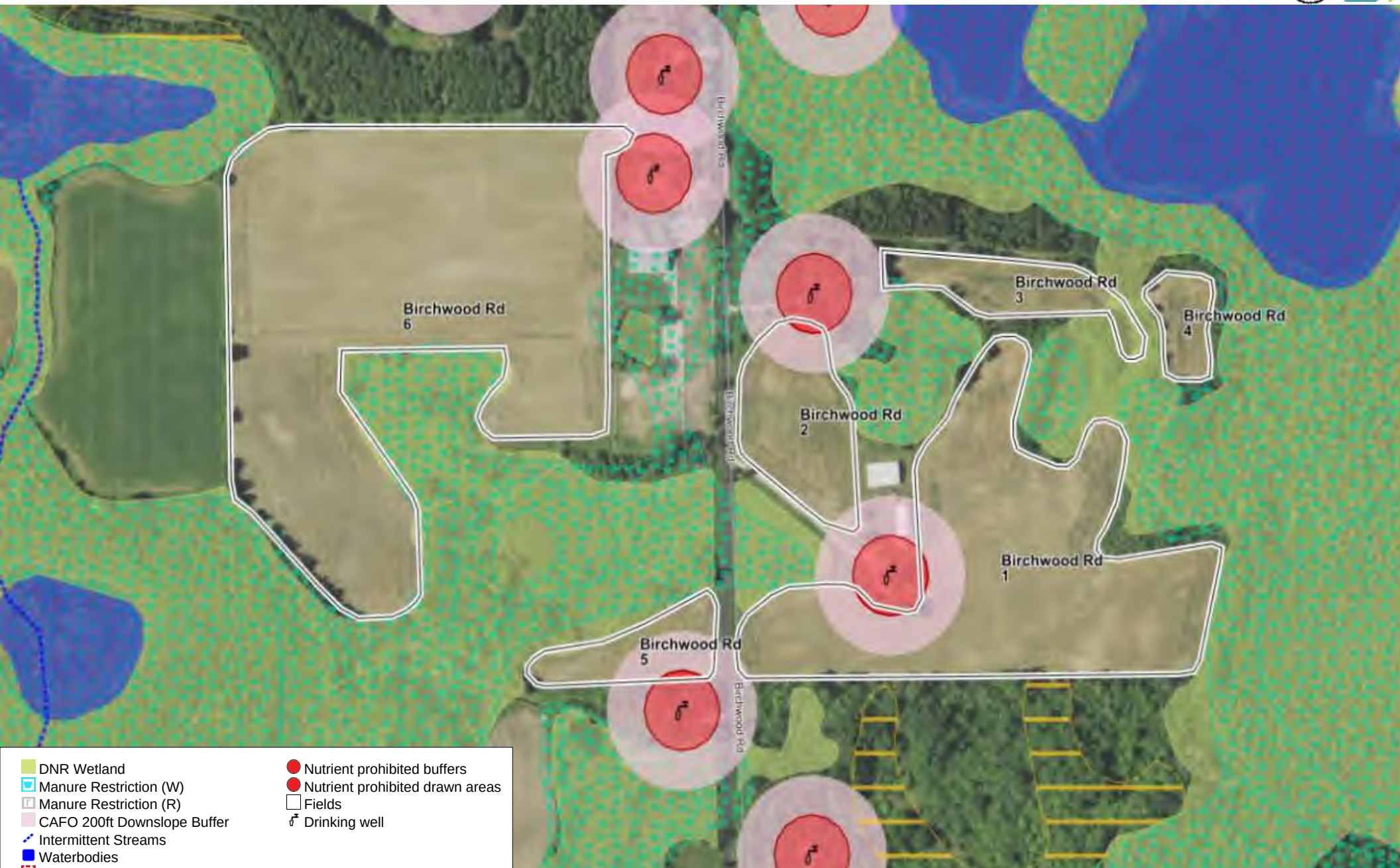


- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft

- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Grassed waterway
- Drinking well
- Tile inlet

Oneil-Birchwood Rd Surface Application Restrictions

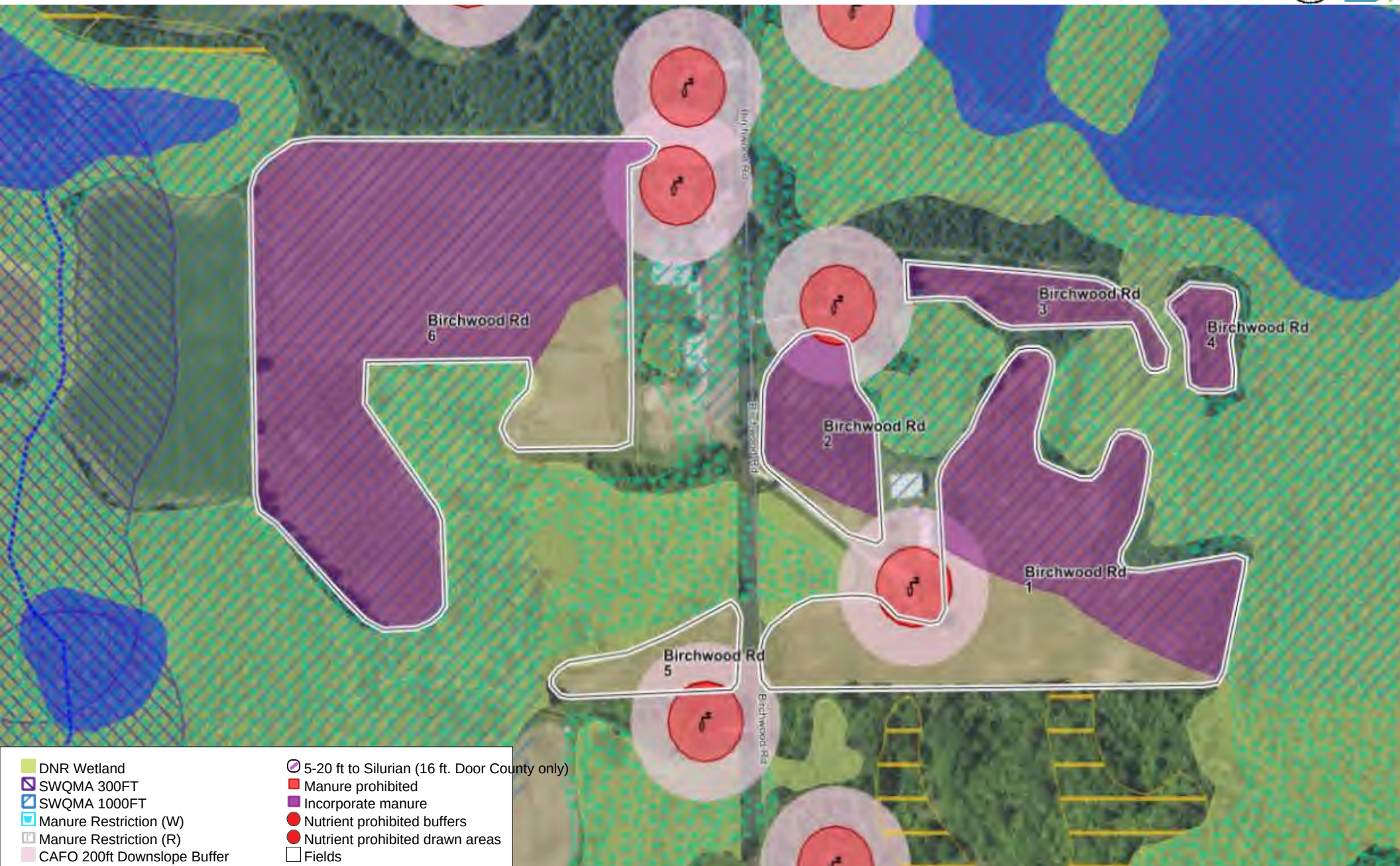
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s20



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

ONeil-Birchwood Rd Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s20



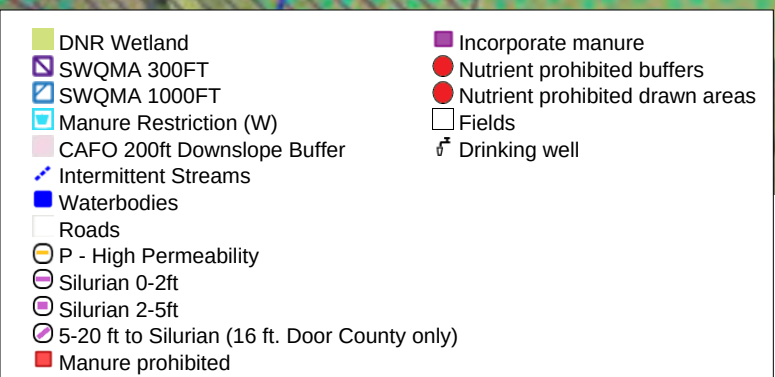
- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft

- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well



ONeil Cty I Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/19/2023, Crop year: 2023, Township Range Section:12N 21E s33



MK7-9 Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:12N 21E s32



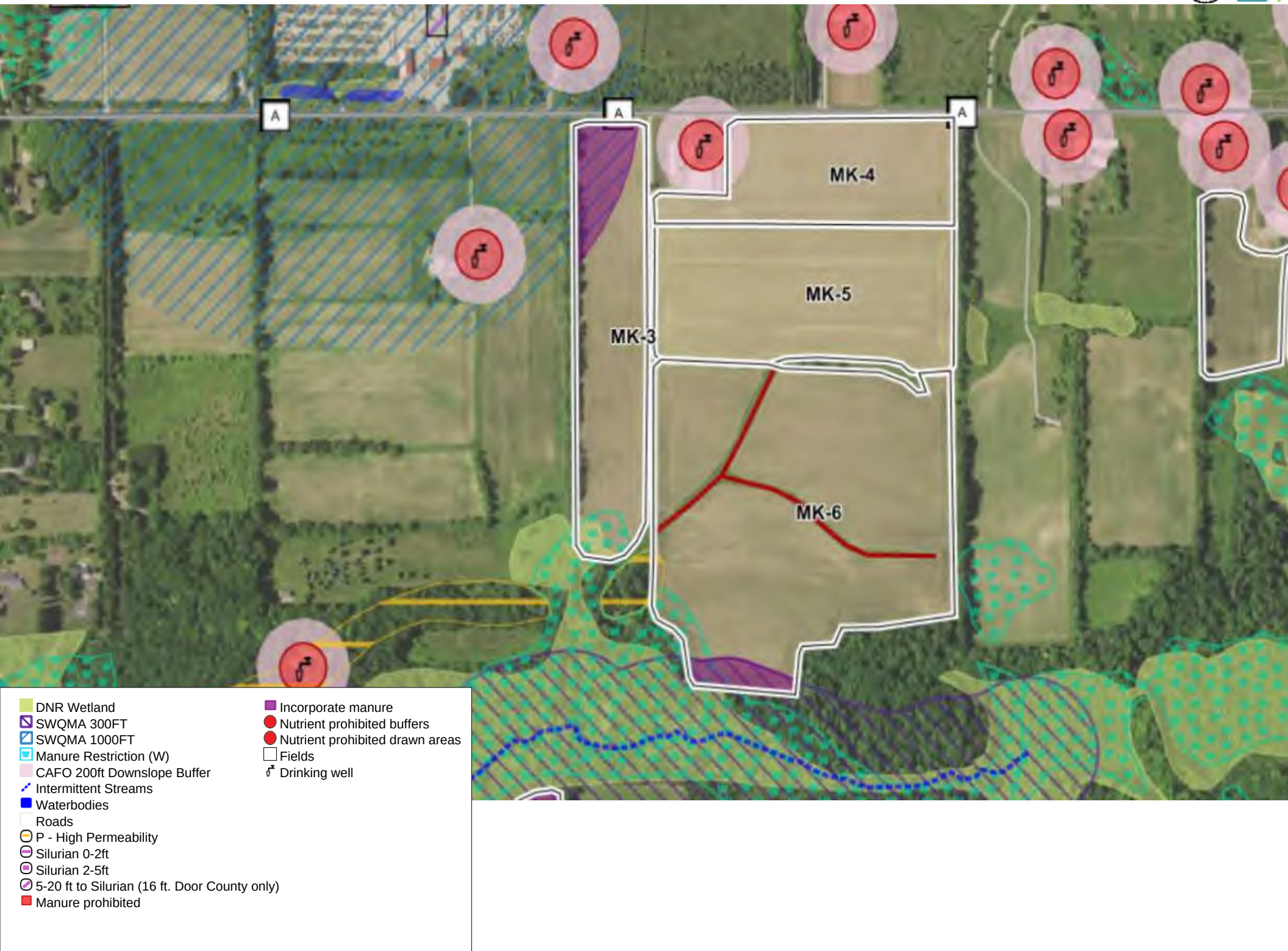
- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

MK7-9 Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:12N 21E s32

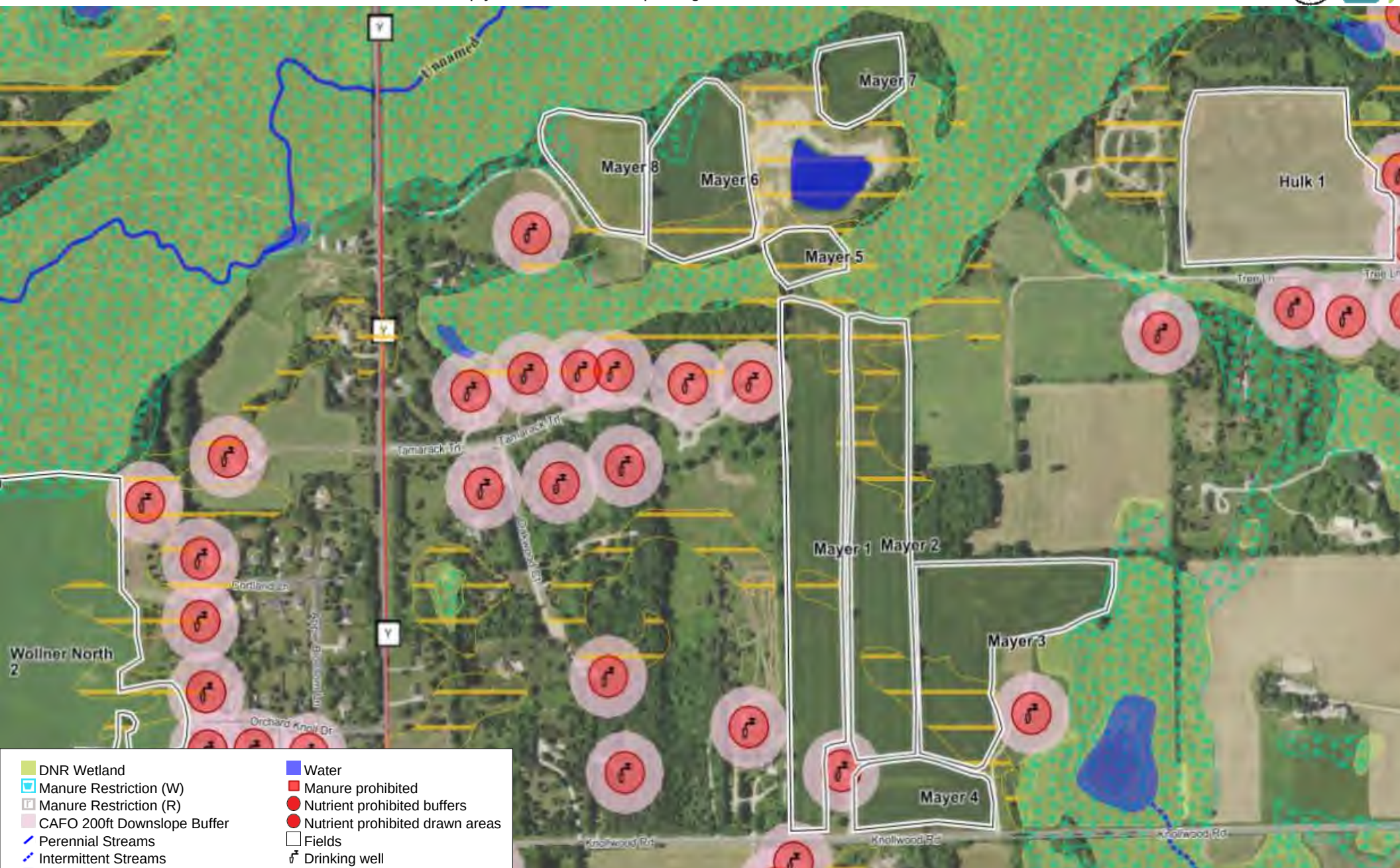


- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |



Mayer Surface Application Restrictions

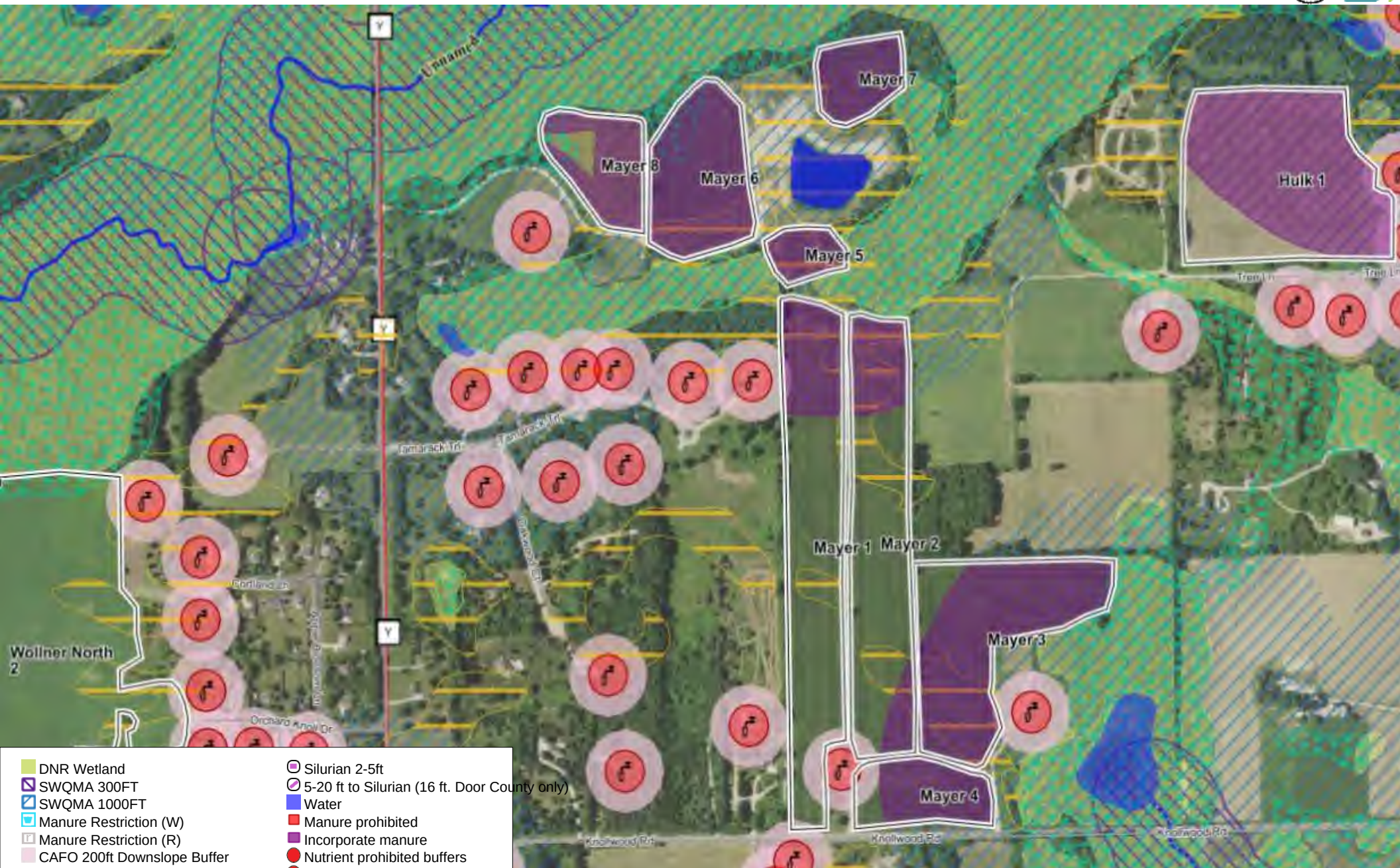
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s19



- | | |
|---|---------------------------------|
| DNR Wetland | Water |
| Manure Restriction (W) | Manure prohibited |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Mayer Incorporation Restrictions

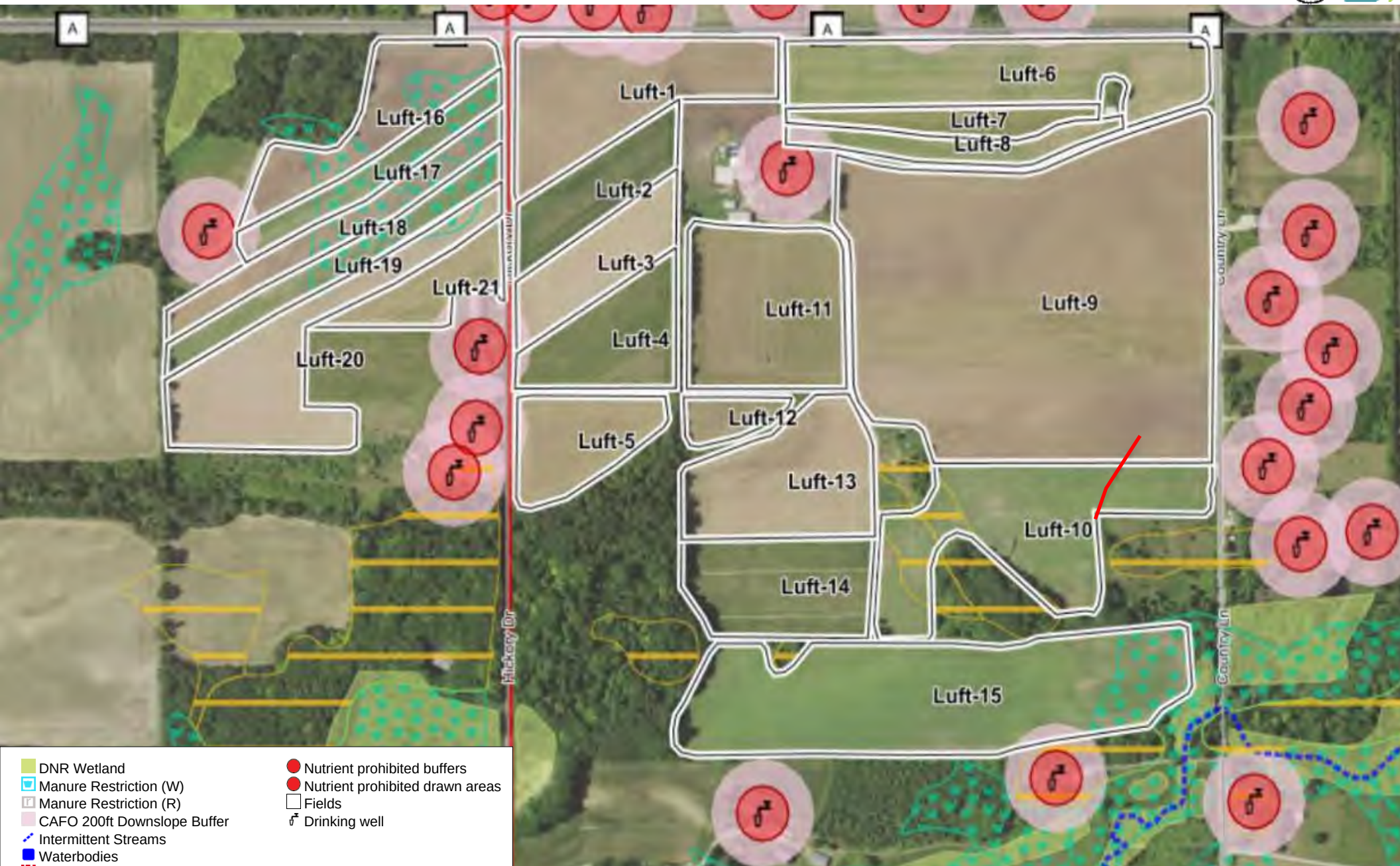
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s19



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Water
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Luft Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:12N 21E s31



Luft Incorporation Restrictions

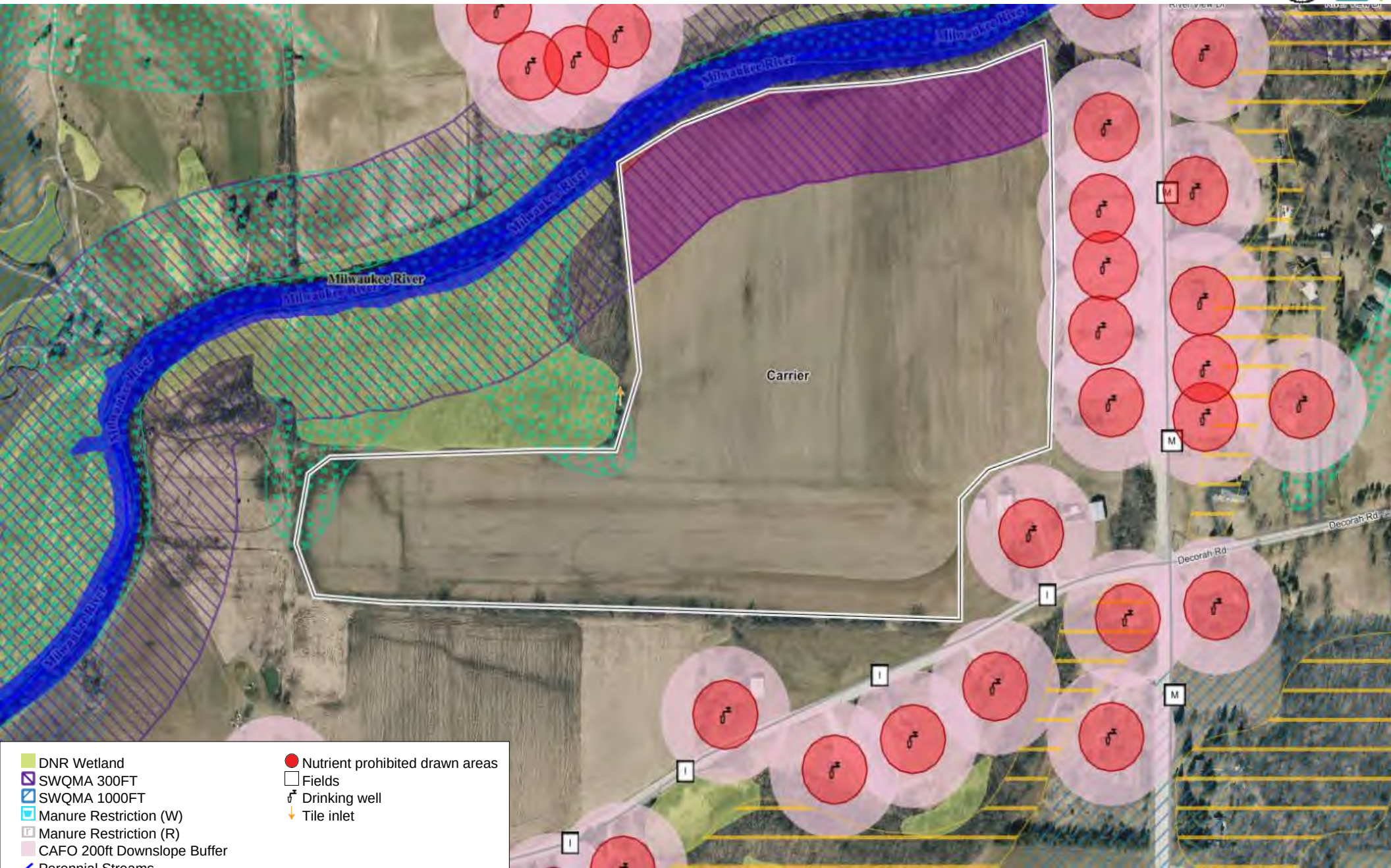
Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:12N 21E s31



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Carrier Incorporation Restrictions

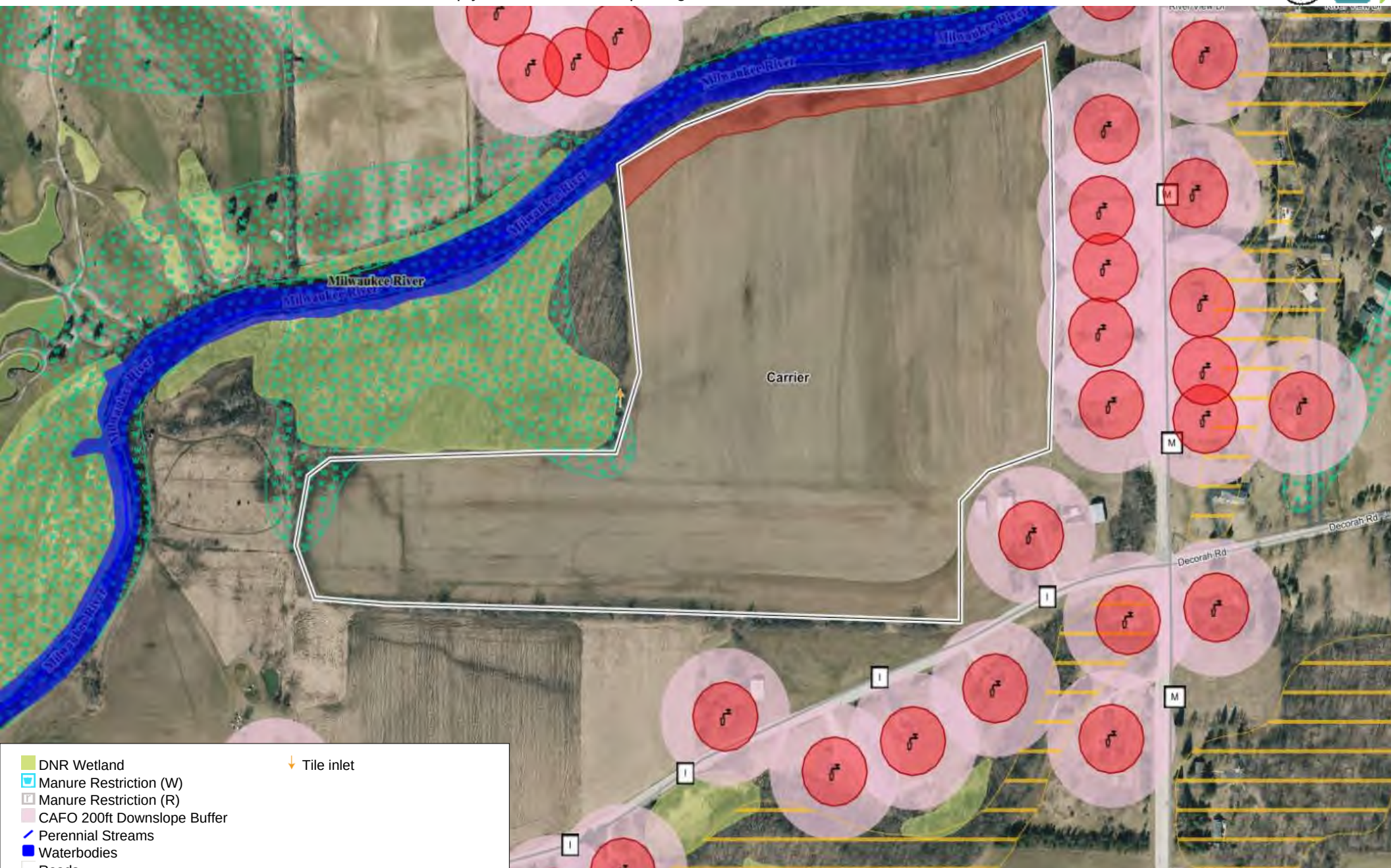
Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 20E s15



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
- Roads
- P - High Permeability
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well
- Tile inlet

Carrier Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 20E s15

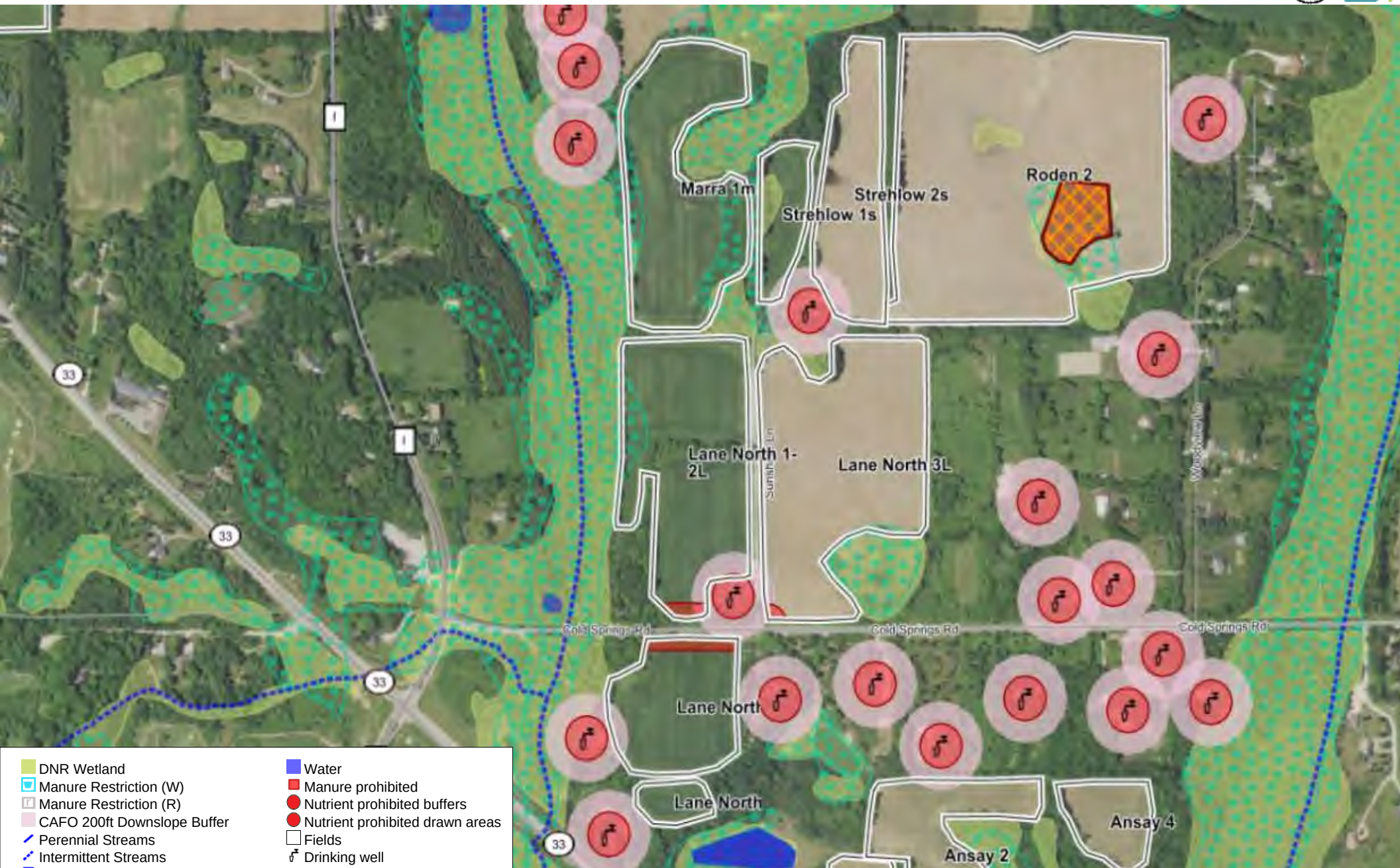


- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
- Roads
- P - High Permeability
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Tile inlet

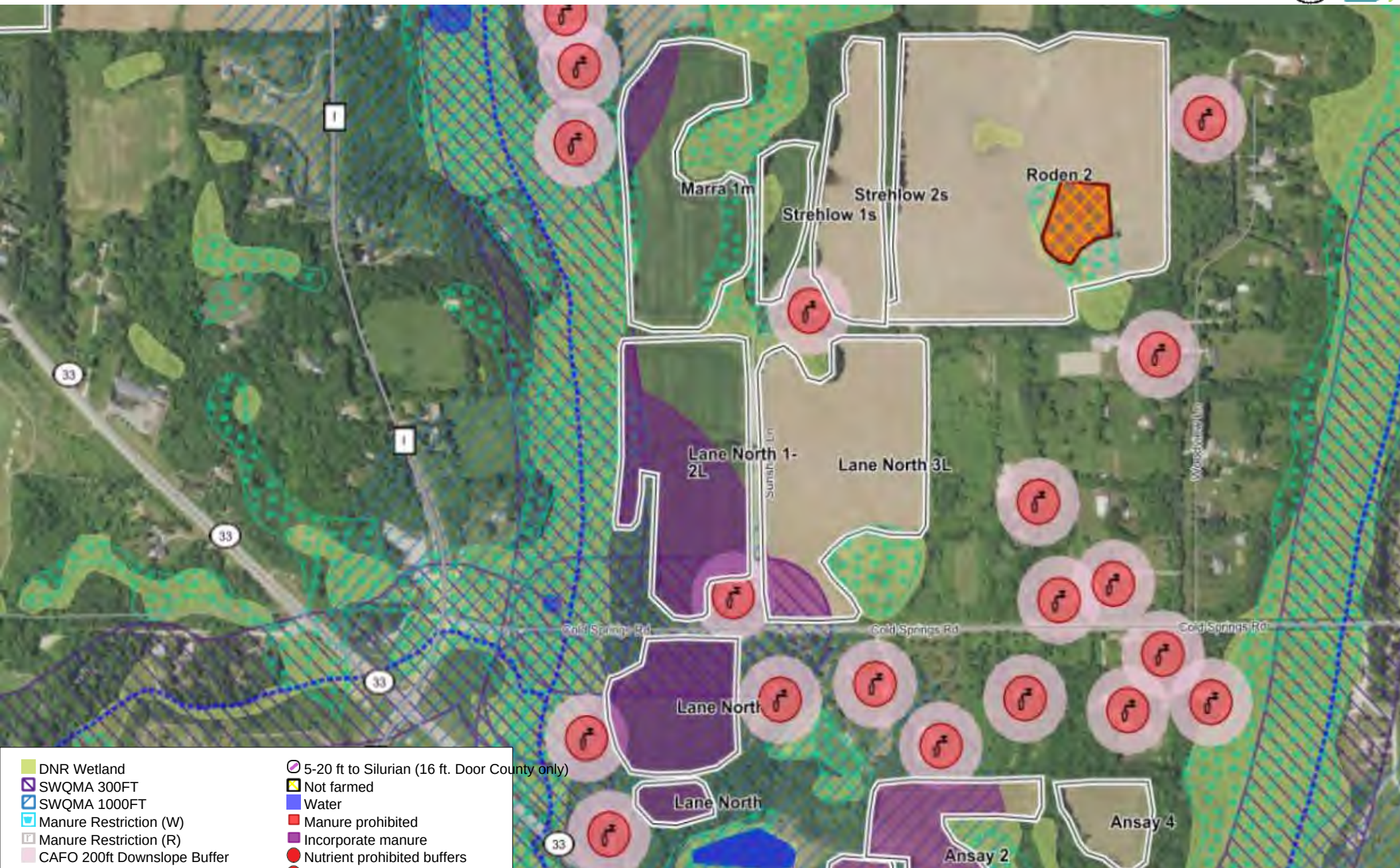
Lane N-Marra-Strehlow Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s22



Lane N-Marra-Strehlow Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s22



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Not farmed |
| SWQMA 1000FT | Water |
| Manure Restriction (W) | Manure prohibited |
| Manure Restriction (R) | Incorporate manure |
| CAFO 200ft Downslope Buffer | Nutrient prohibited buffers |
| Perennial Streams | Nutrient prohibited drawn areas |
| Intermittent Streams | Fields |
| Waterbodies | Drinking well |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Joe Home Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s35



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft

- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Hulk Surface Application Restrictions

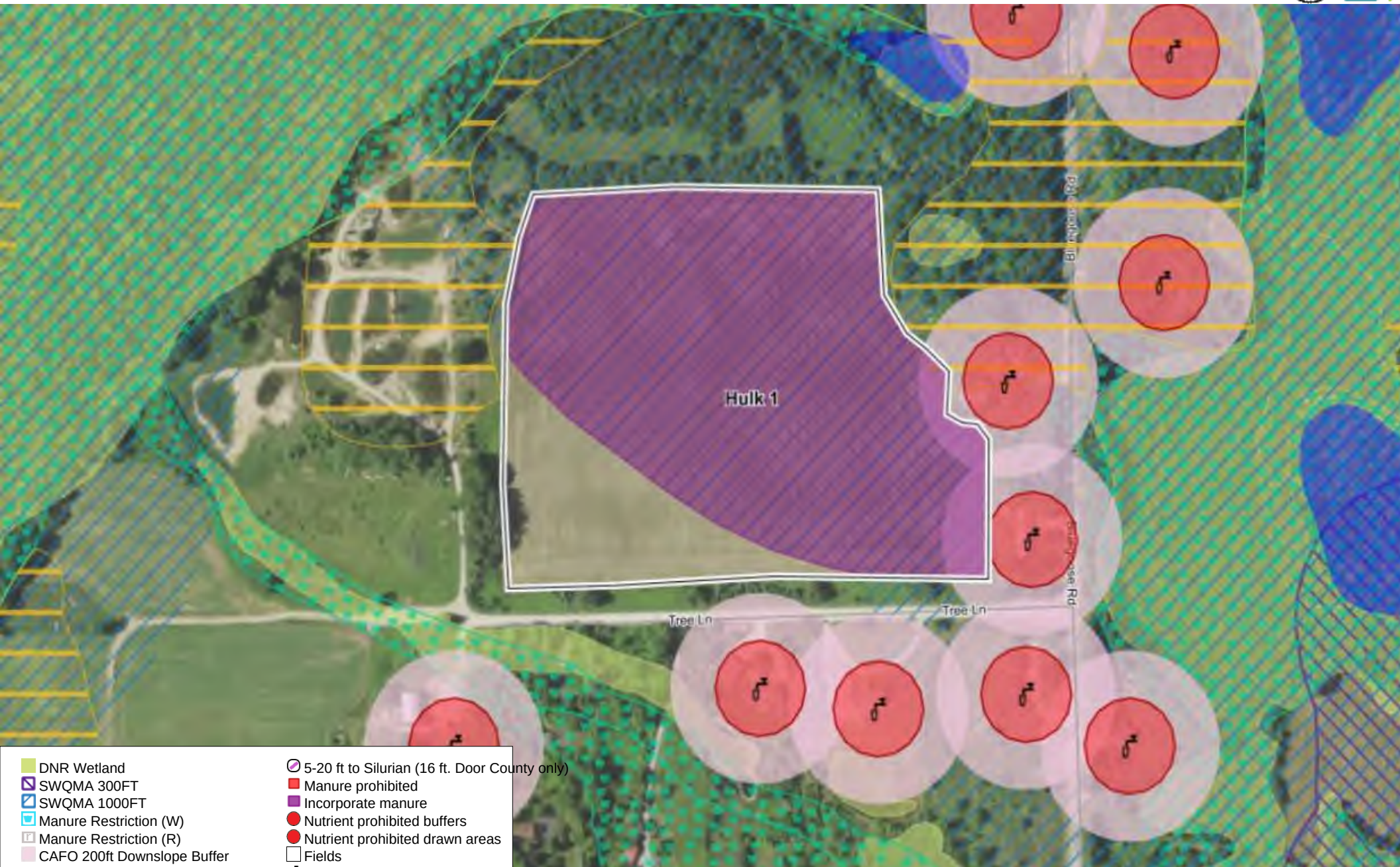
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s19



- | | |
|---|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Hulk Incorporation Restrictions

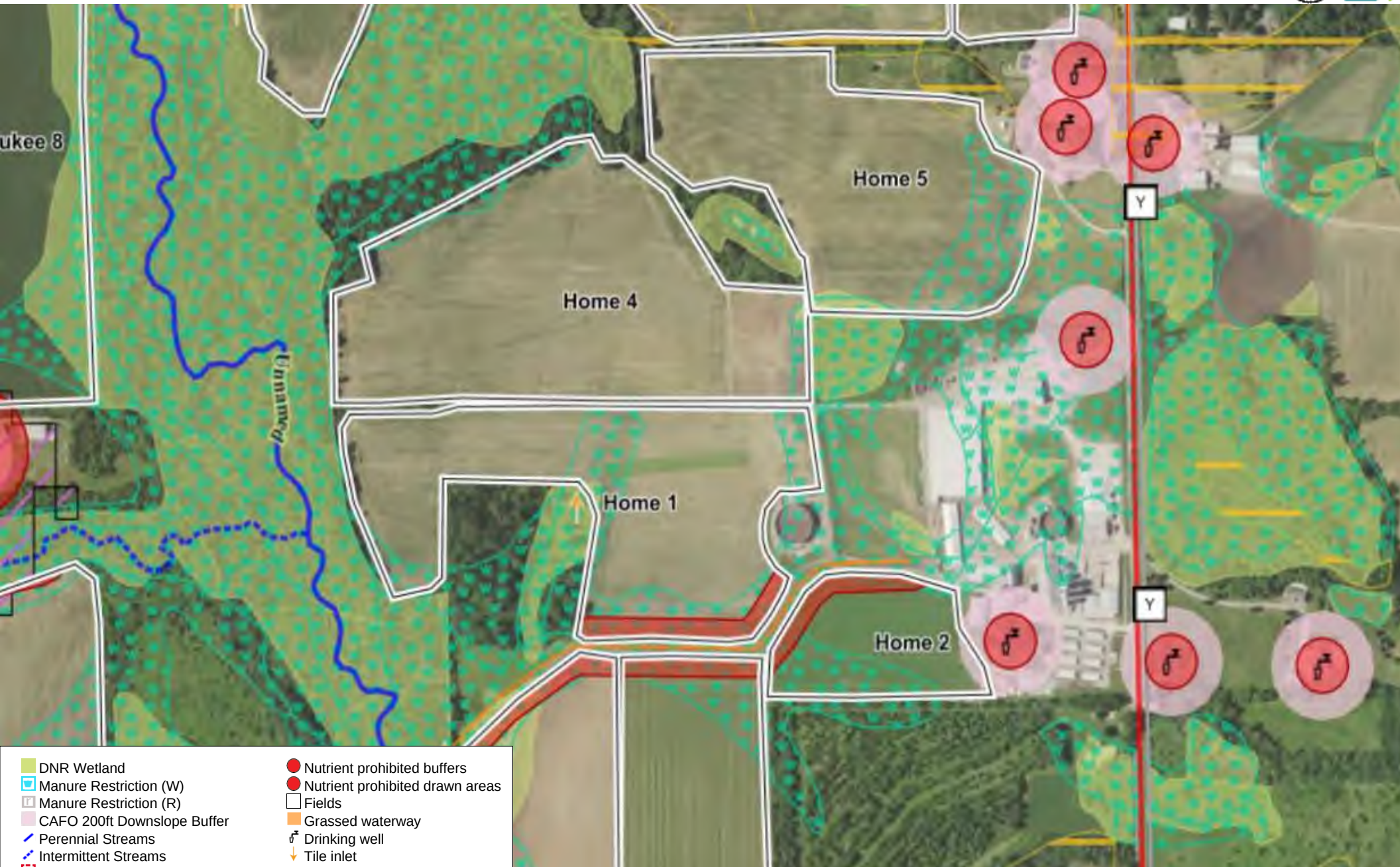
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s19



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Home Surface Application Restrictions

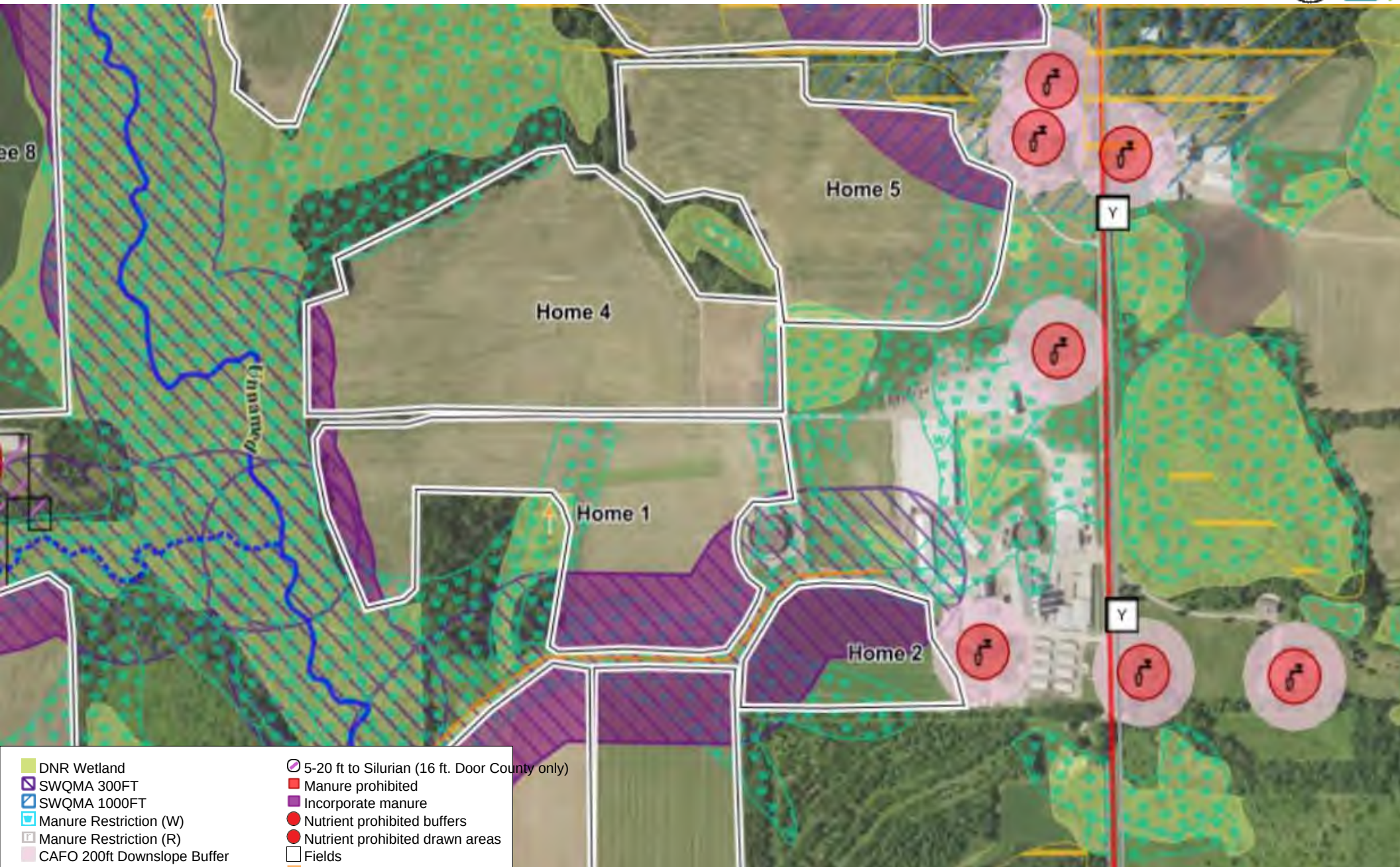
Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s25



- | | |
|---|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Grassed waterway |
| Perennial Streams | Drinking well |
| Intermittent Streams | Tile inlet |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Home Incorporation Restrictions

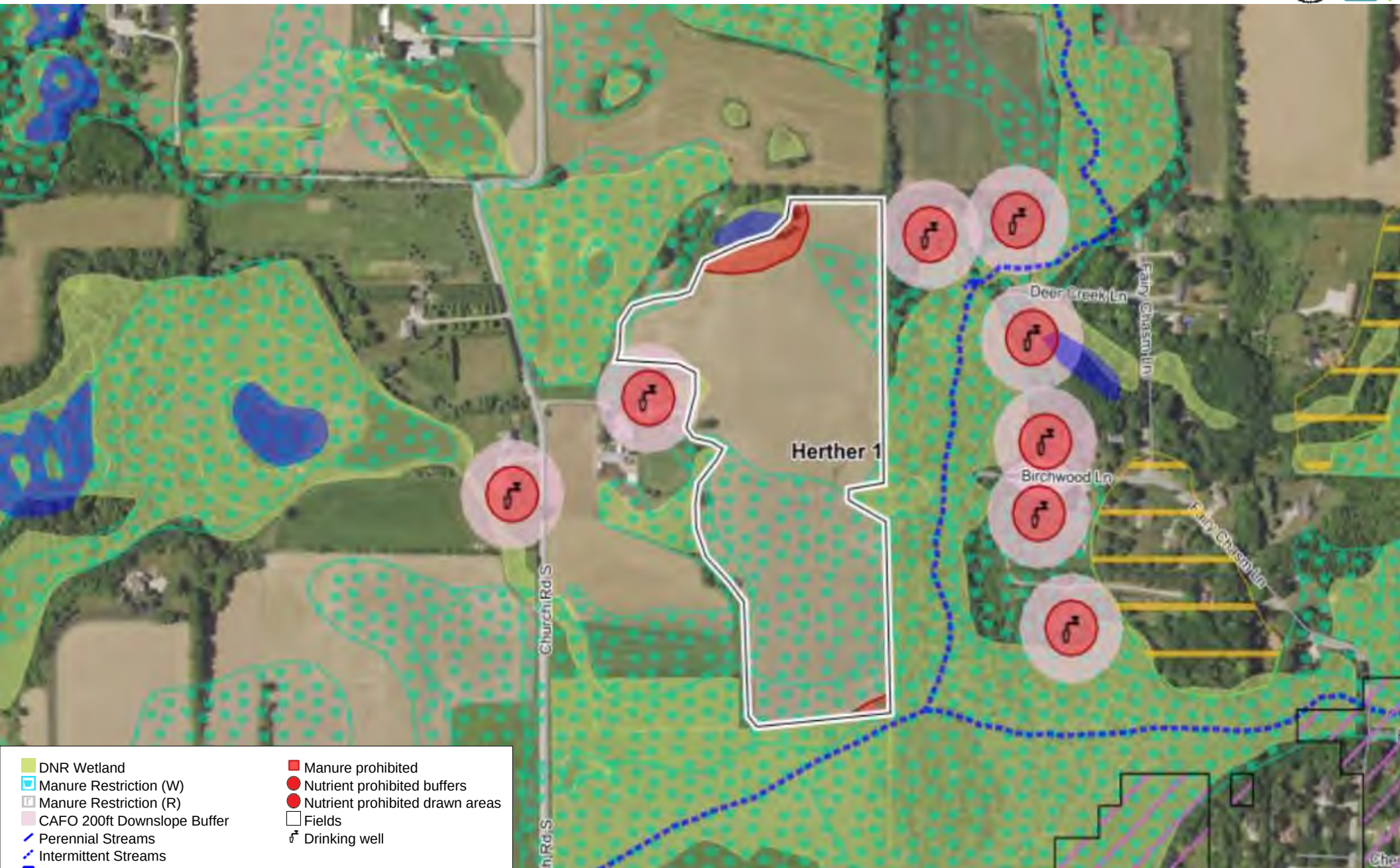
Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s25



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Manure prohibited |
| SWQMA 1000FT | Incorporate manure |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Grassed waterway |
| Intermittent Streams | Drinking well |
| Counties | Tile inlet |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Herther Surface Application Restrictions

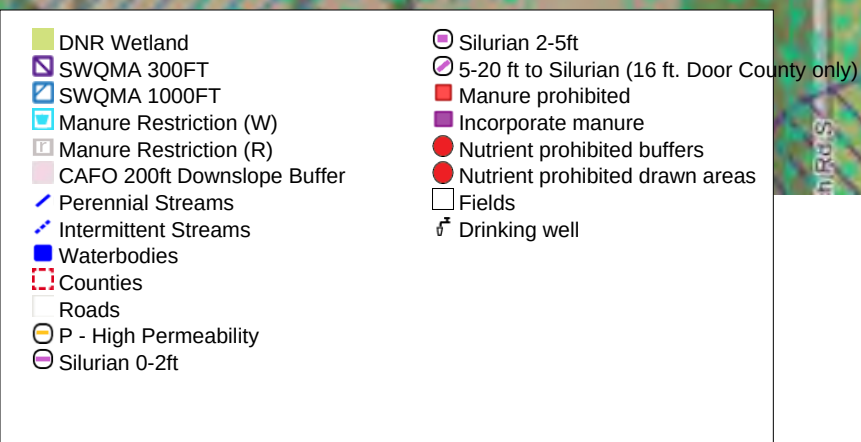
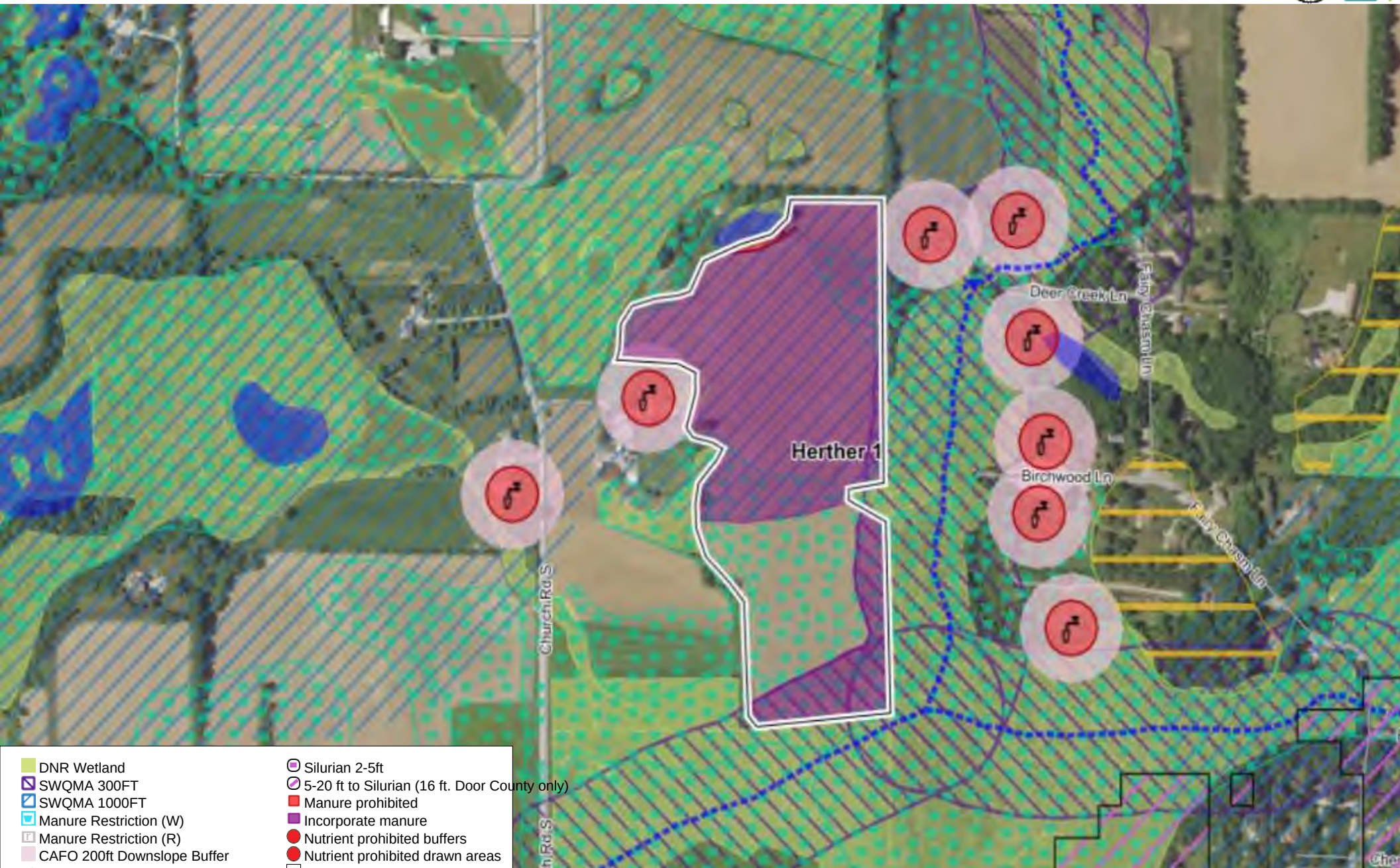
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 20E s34



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

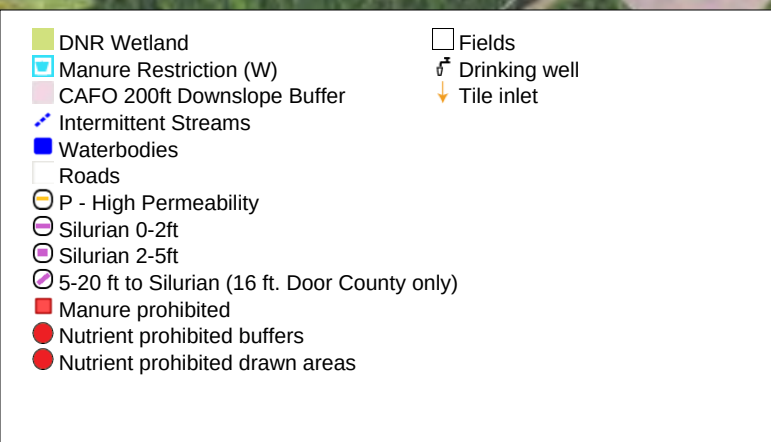
Herther Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 20E s34



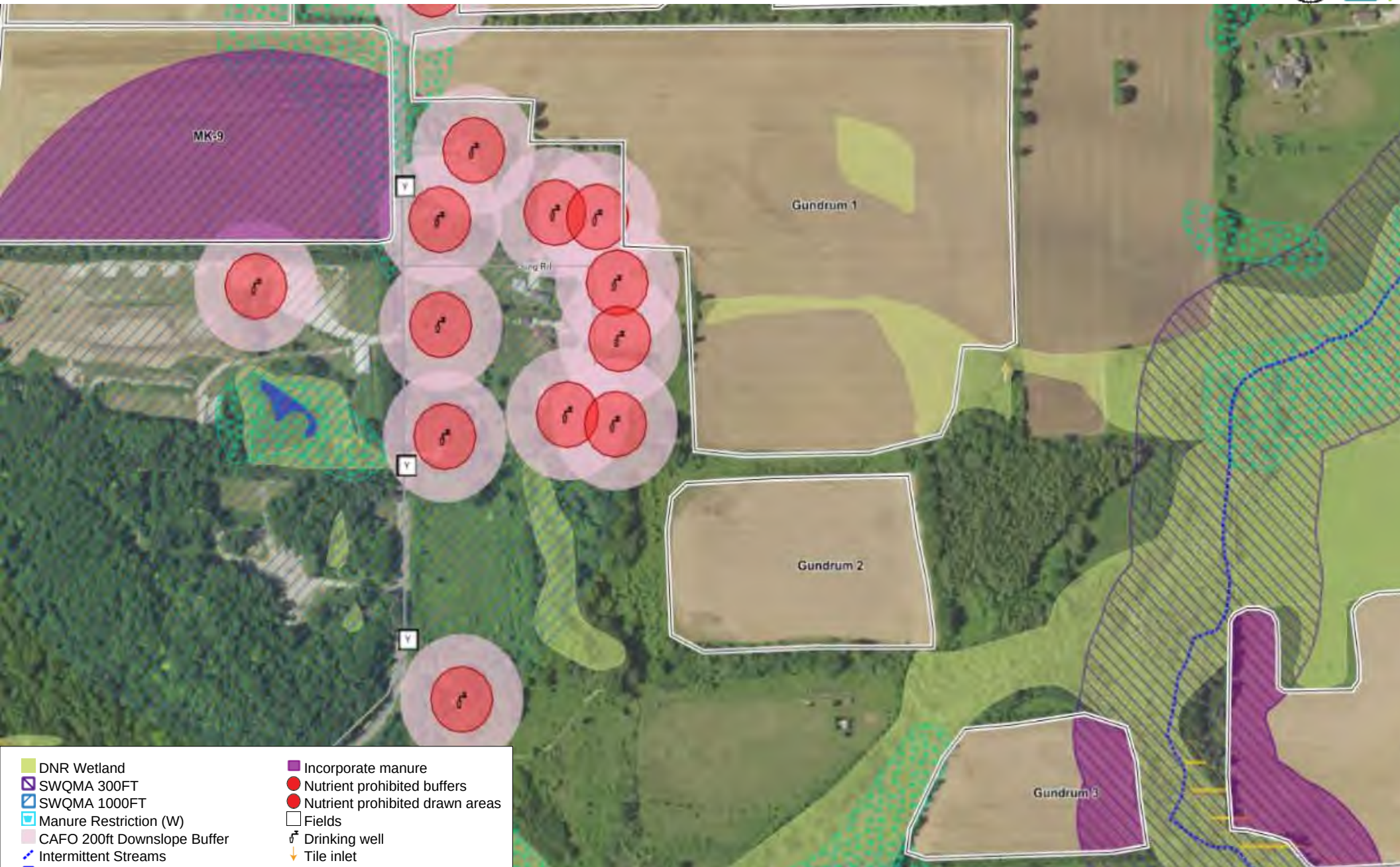
Gundrum Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/19/2023, Crop year: 2023, Township Range Section:12N 21E s33



Gundrum Incorporation Restrictions

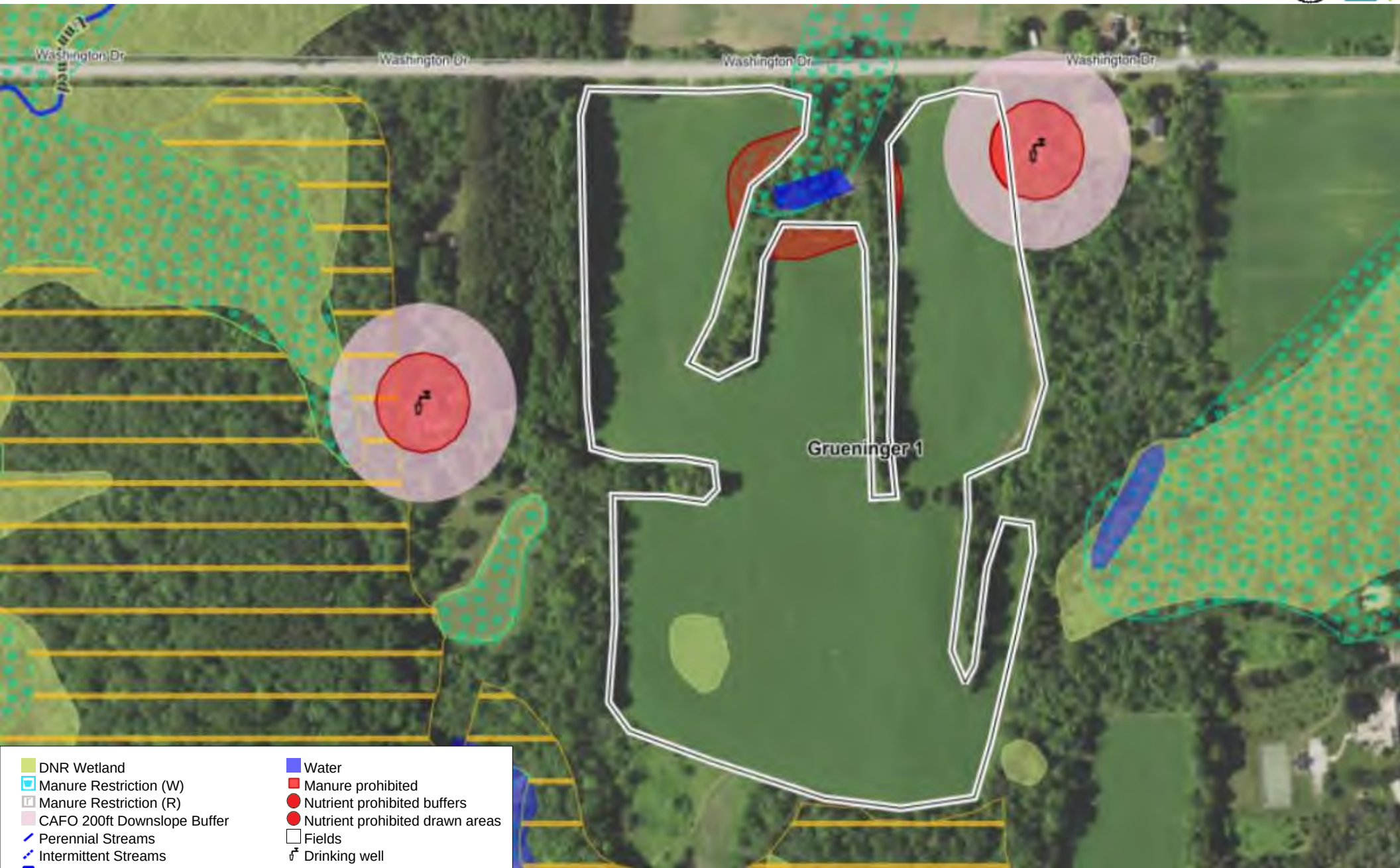
Farm: Rob-N-Cin Farms , V20 Generated:12/19/2023, Crop year: 2023, Township Range Section:12N 21E s33



- | | |
|---|---------------------------------|
| DNR Wetland | Incorporate manure |
| SWQMA 300FT | Nutrient prohibited buffers |
| SWQMA 1000FT | Nutrient prohibited drawn areas |
| Manure Restriction (W) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | Tile inlet |
| Waterbodies | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Grueninger Surface Application Restrictions

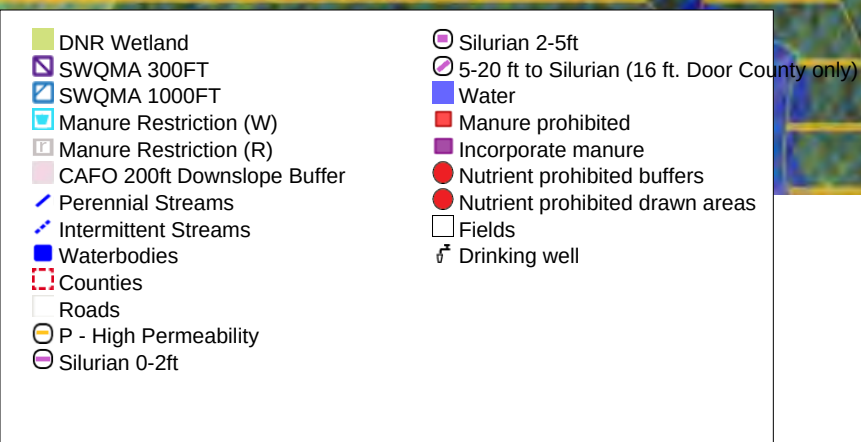
Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s36



- | | |
|---|---------------------------------|
| DNR Wetland | Water |
| Manure Restriction (W) | Manure prohibited |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

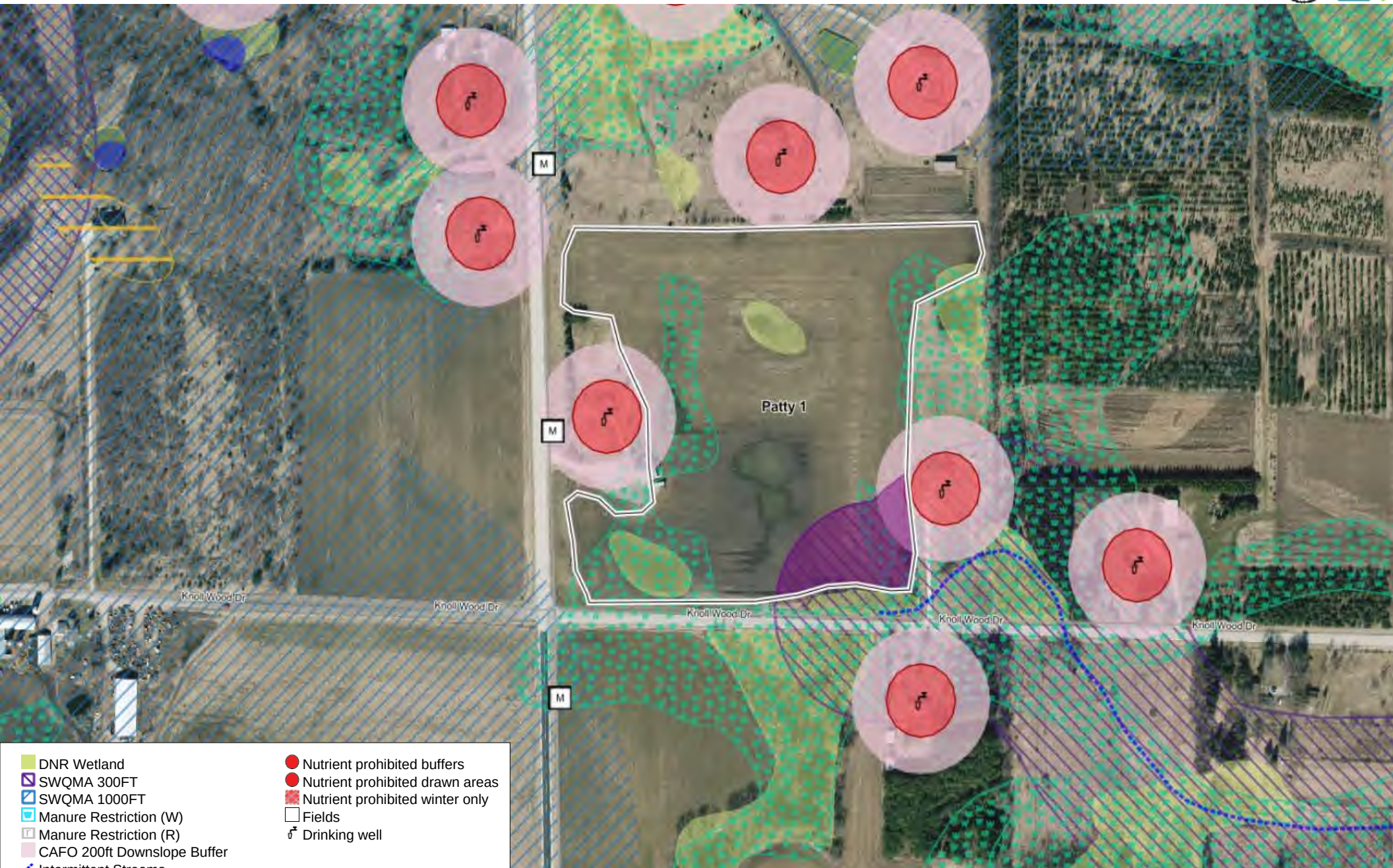
Grueninger Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:11N 20E s36



Patty 1 Incorporation Restrictions

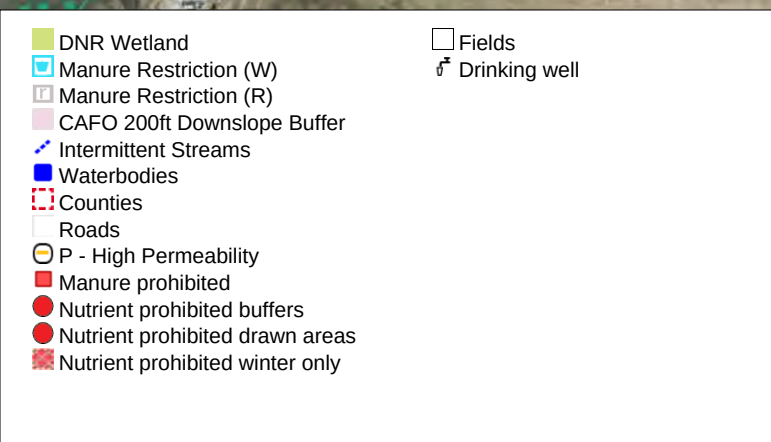
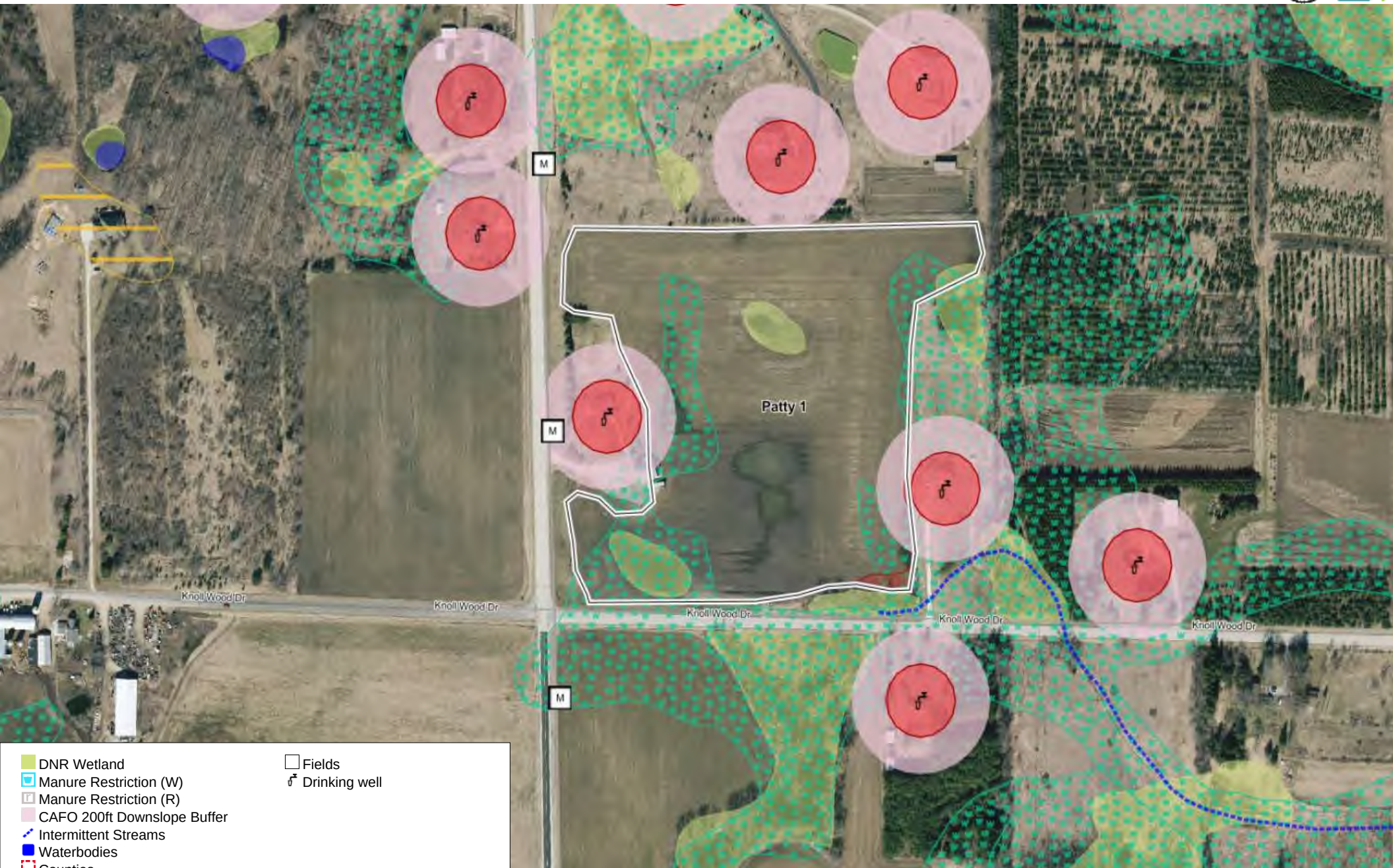
Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 20E s23



- | | |
|-----------------------------|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| SWQMA 300FT | Nutrient prohibited drawn areas |
| SWQMA 1000FT | Nutrient prohibited winter only |
| Manure Restriction (W) | Fields |
| Manure Restriction (R) | Drinking well |
| CAFO 200ft Downslope Buffer | |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Manure prohibited | |
| Incorporate manure | |

Patty 1 Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 20E s23



Bunk-Luedke Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s34



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Bunk-Luedke Incorporation Restrictions

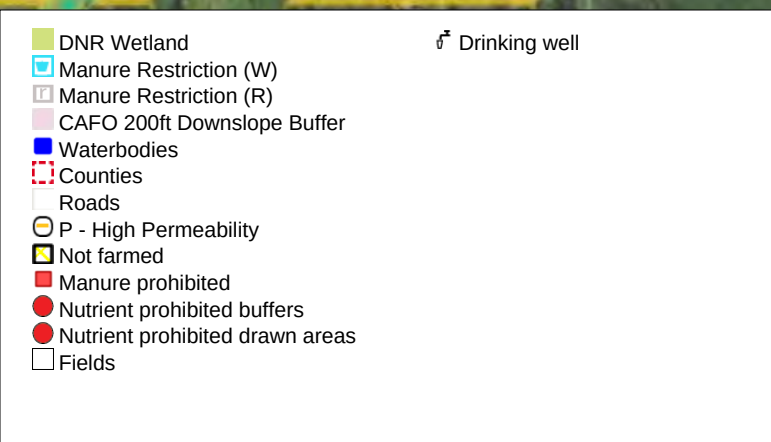
Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s34



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

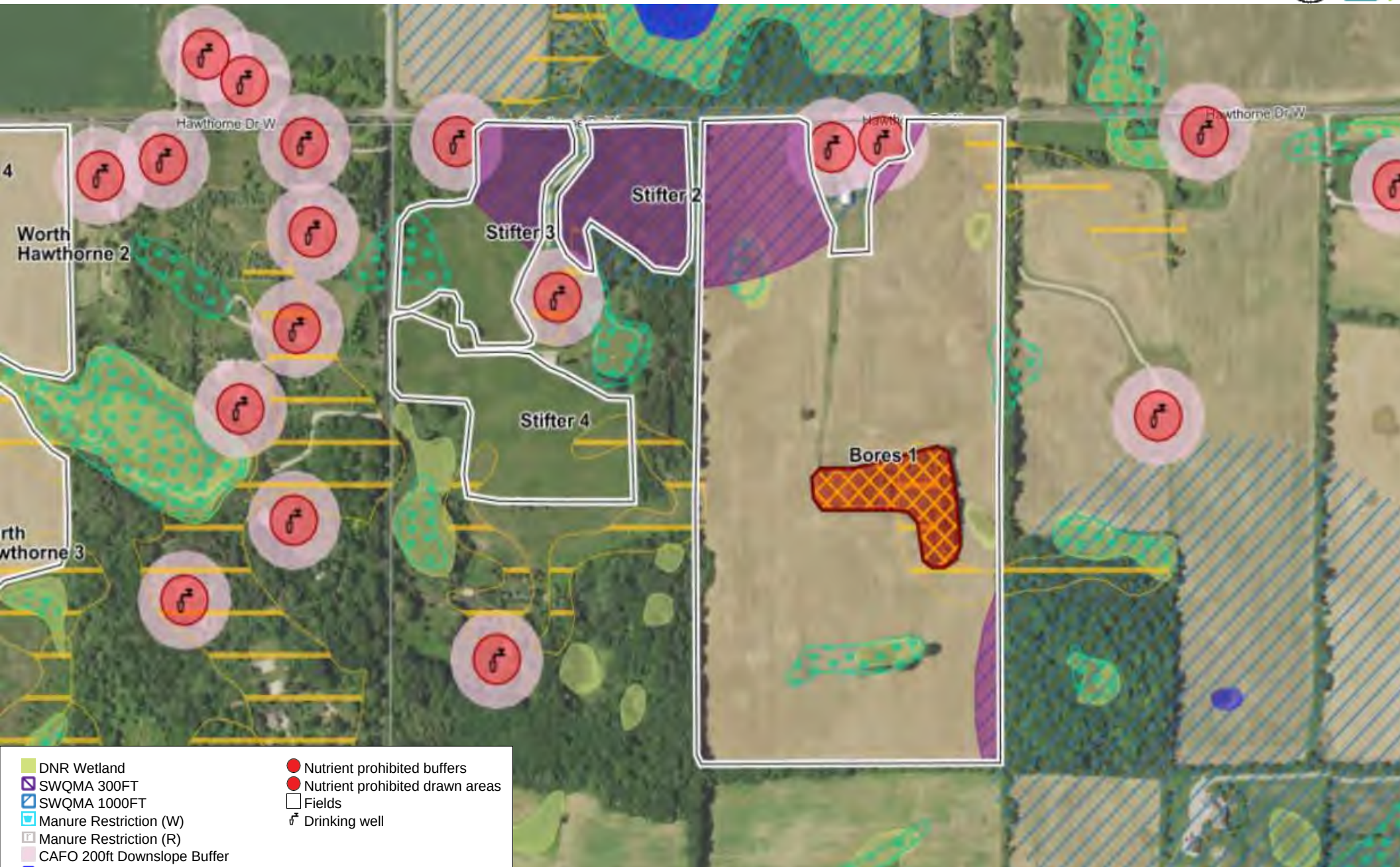
Bores-Stifter Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s9



Bores-Stifter Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s9

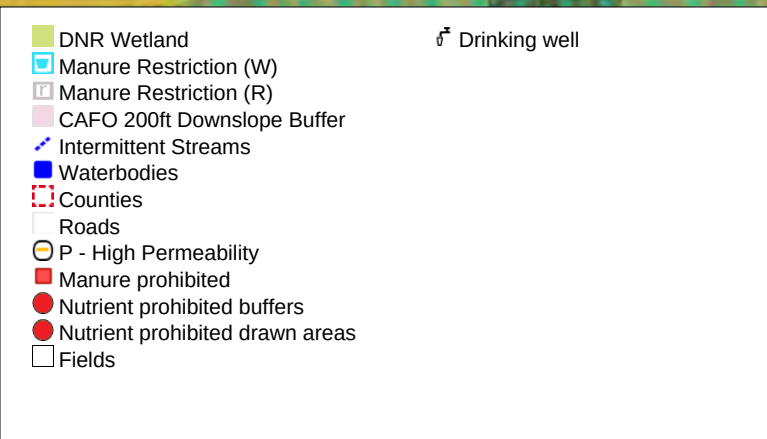
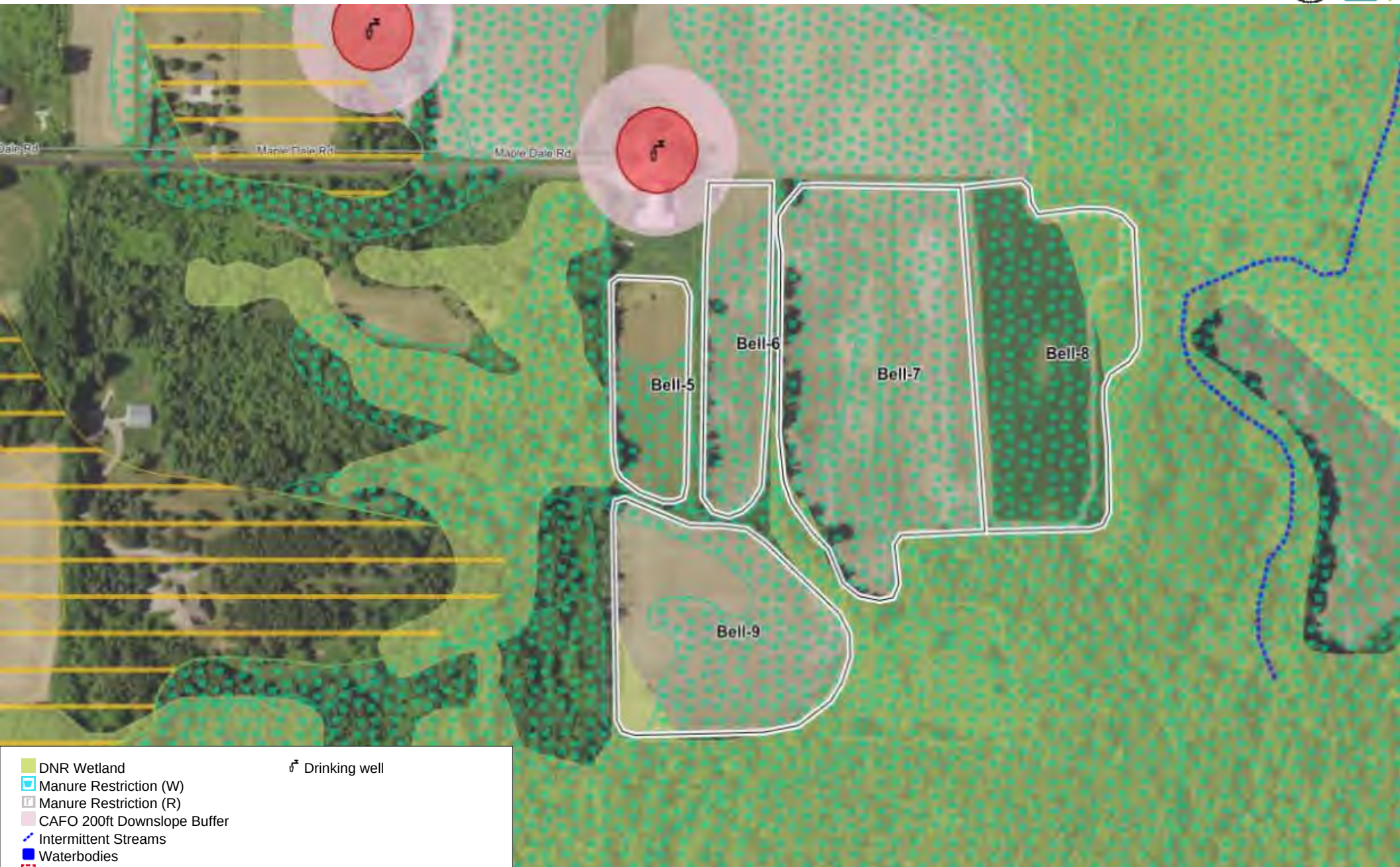


- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Not farmed
- Manure prohibited
- Incorporate manure

- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

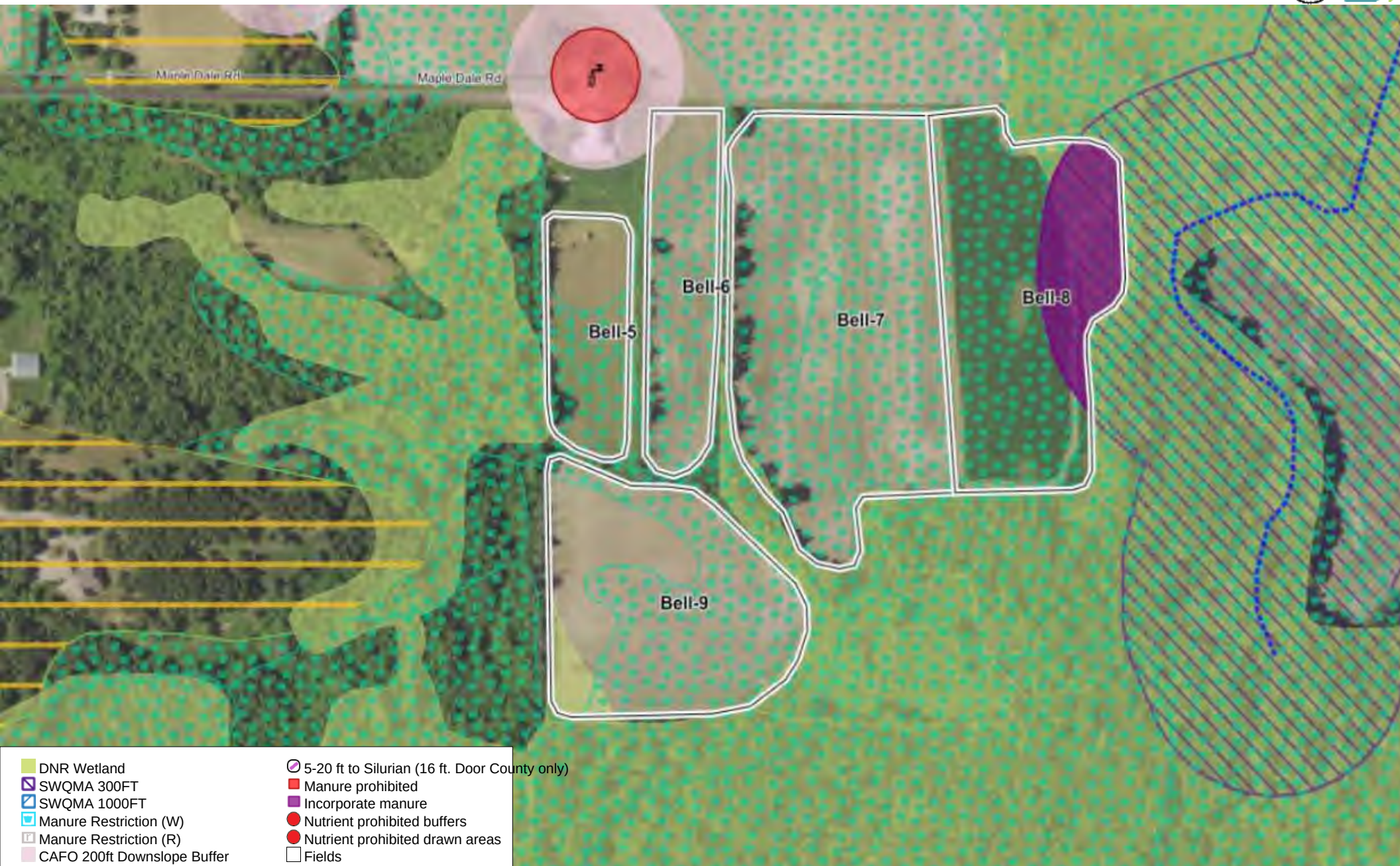
Bell 5-9 Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/26/2023, Crop year: 2024, Township Range Section:11N 20E s9



Bell 5-9 Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:11N 20E s9



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Manure prohibited |
| SWQMA 1000FT | Incorporate manure |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Bell 1-4 Surface Application Restrictions

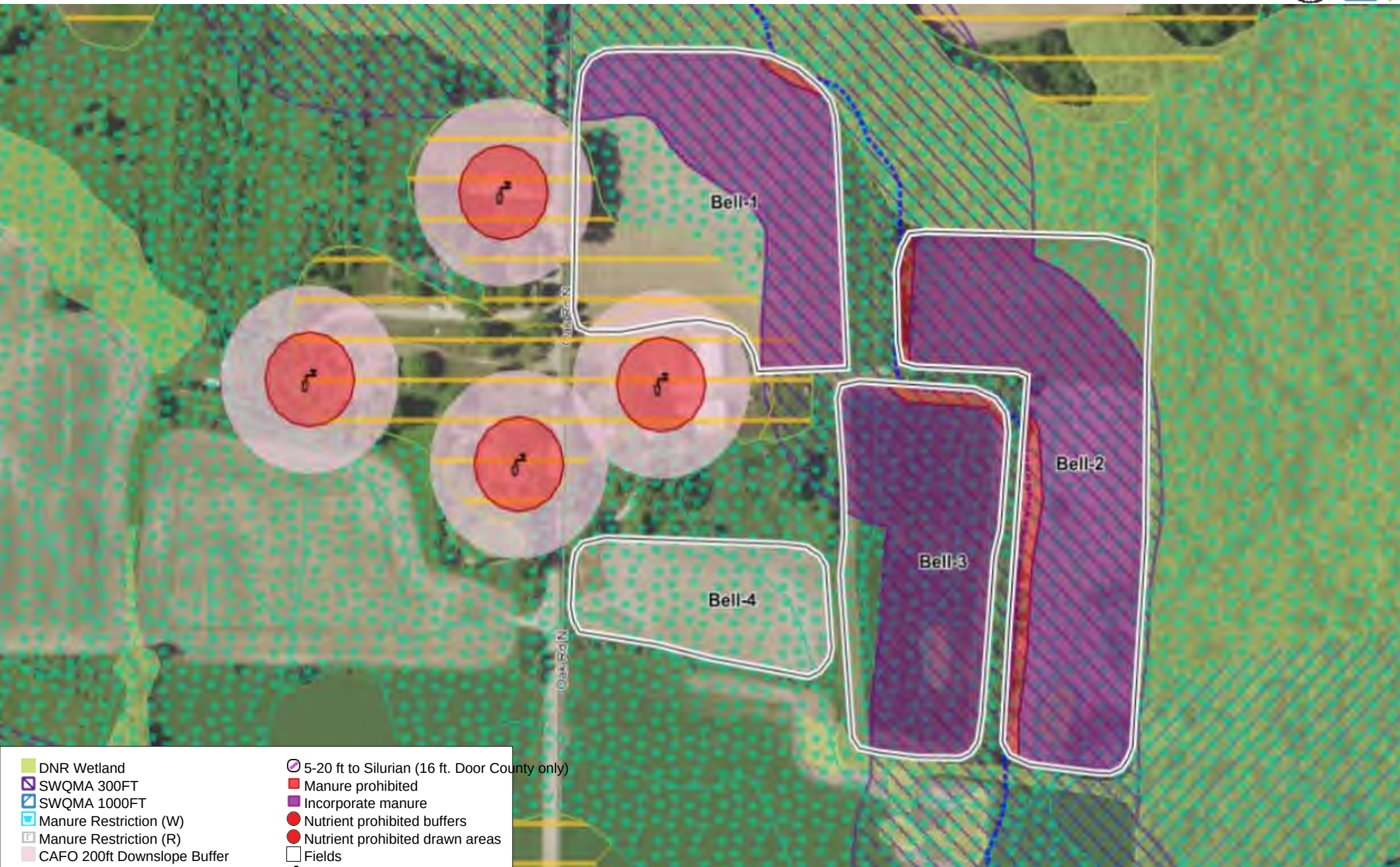
Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:11N 20E s9



- | | |
|---|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Bell 1-4 Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/24/2023, Crop year: 2023, Township Range Section:11N 20E s9



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

AS 6 Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/21/2023, Crop year: 2023, Township Range Section:10N 20E s1



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft

- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Ansay Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:12/20/2023, Crop year: 2023, Township Range Section:11N 21E s27



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Ditch |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Water | |

Summary of 2018 NR 151

****Table is a summary ONLY, please see WDNR for full details and definitions of terms****

Silurian Bedrock Performance Standards
Mechanical application shall not cause fecal contamination of water in a well
No mechanical application of manure where 24 inches or less of separation between the ground surface and apparent water table
Manure shall be applied in conformance with a NMP that is: consistent with NR 151.07, NRCS 590 (2015), consistent with targeted performance standards, identifies Silurian bedrock within or adjacent to cropland and pastures
Prior to mechanical manure applications use infield bedrock verification to locate Silurian bedrock having soil depths less than 5 feet

Definitions
Direct Conduits to Groundwater: wells, sinkholes, swallets, fractured bedrock at the surface, mineshafts, non-metallic mines, tile inlets discharging to groundwater, quarries or depressional groundwater recharge areas over shallow fractured bedrock.
Concentrated flow channel: natural channel or constructed channel that has been shaped or graded to required dimensions and established in perennial vegetations for the stable conveyance of runoff. Concentrated flow channel may also include non-vegetated channels caused by ephemeral erosion, intermittent streams, drainage ditches, and drainage ends identified on the NRCS soil survey and may be identified as contiguous up-gradient deflections of contour lines on the USGS 1:24,000 scale topographic map.
Long term no-till: no-till farming that has been implemented a minimum of 3 consecutive years.
Pre-tillage: using mechanical equipment to reduce soil preferential flow paths, worm holes, root holes, and cracks by turning and mixing the soil prior to and at least 2 inches below the depth of manure application.
Sites that is susceptible to groundwater:
a) An area 250 feet of a private well
b) An area 1000 feet of a community well
c) An area 300 feet upslope or 100 feet downslope of a direct conduit to groundwater
d) A channel that flows to a direct conduit to groundwater (road ditch, concentrated flow channel tile ect.)
e) An area where the soil depth to groundwater or bedrock is less than 2 feet
f) An area where the soil layer does not exhibit one of the following soil characteristics:
1. At least a 2-foot soil layer with 40% fines or greater above groundwater or bedrock
2. At least a 3-foot soil layer with 20% fines or greater above groundwater or bedrock
3. At least a 5-foot soil layer with 10% fines or greater above groundwater or bedrock
Water quality management area: "WQMA" area within 1,000 feet from the ordinary high water mark of a navigable waters (lake, pond or flowage), 300 feet from the ordinary high water mark of navigable waters that consist of a river or stream; and a site that is susceptible to groundwater contamination, or that has the potential to be a direct conduit for contamination to reach groundwater.

Setbacks
a) 250 feet of a private well
b) 1000 feet of a community well
c) 300 feet upslope or 100 feet downslope of a direct conduit to groundwater
d) 100 feet of defined channels that lead to a, b or c

Depth to Silurian Bedrock				
< 5 feet		- Evaluate and rank fields for risk of pathogen delivery to groudwater prior to mechanically applying manure. High risk areas shall be avoided or be lowest priority for manure application.		
		- Mechanical application of manure is prohibited when rainfall greater than one inch is forecast within 24 hours of planned application		
0-2 feet	Solid Manure		Liquid Manure	
	(12% or greater solid material by volume)			
	Mechanical anure application is prohibited		Mechanical anure application is prohibited	
2- 3 feet	Solid Manure		Liquid Manure	
	No mechanical application unless both:		No mechanical application unless meets all:	
	1) Incorporated within 72 hrs to no more than 4 inches below ground (unless long-term no-till or have perennial or established crop)		1) Pre-tillage completed (except if long term no-till or has perennial or established crops) Surface application on no-till, perenial or established crop may not exceed 6,750 gal/ac per application	
	2) And at least one of:		2) Injected or incorporated within 24 hrs to no more than 4 inches below ground	
	a) Rate is 15 t/acre/yr or UW A2809 annual application rate, whichever is less		3) And at least one of:	
	b) Applied within 10 days of planting date or on perennial or other established crop		a) Rate limited to Table 1. in rule or UW A2809 annual application rate, whichever is less	
	c) Manure is composted or treated to reduce pathogen levels to a fecal coliform bacteria density of 500,000 colony- forming units, or most probable number per gram total solids on a dry weight basis		b) Applied within 10 d of planting date or on perennial or other established crop	
			c) Treated to substantially reduce pathogen levels via practices to a fecal coliform bateria density of less than 500,000 most probable number or colony- forming units per 100 milliliter sample.	
Table 1. Silurian Bedrock Maximum Liquid Manure Application Rates				
Soil Texture		2 to 3 Feet Depth (gal/ac/yr)	3 to 5 Feet Depth (gal/ac/wk)	5 to 20 Feet Depth (gal/ac/wk)
Sand		6,750	6,750	13,500
Sandy Loam		13,500	13,500	27,000*
Loam		13,500	13,500	27,000*
Silt Loam		13,500	13,500	27,000*
Clay Loam		13,500	13,500	20,000*
Clay		6,750	6,750	13,500
* It is anticipated that this rate would exceeeds the UW A2809 annual (crop year) application rate.				

3-5 feet	Solid Manure	Liquid Manure	
	No mechanical application unless both:	No mechanical application unless meets all:	
	1) Incorporated within 72 hrs to no more than 6 inches below ground (except if long term no-till or has perennial or established crops)	1) Pre-tillage completed (except if long term no-till or has perennial or established crops) Surface application on no-till, perenial or established crop may not exceed 6,750 gal/ac per application	
	2) And at least one of:	2) Injected or incorporated within 24 hrs to no more than 6 inches below ground	
	a) Rate is 15 t/acre/yr or UW A2809 annual application rate, whichever is less	3) And at least one of:	
	b) Applied within 10 days of planting date or on perennial or other established crop	a) Rate limited to Table 1. in rule or UW A2809 annual application rate, whichever is less	
	c) Manure is composted or treated to reduce pathogen levels to a fecal coliform bacteria density of 500,000 colony- forming units, or	b) Applied within 10 d of planting date or on perennial or other established crop	
		c) Treated to substantially reduce pathogen levels via practices to a fecal coliform bateria density of less than 500,000 most probable number or colony- forming units per 100 milliliter sample.	
5-20 feet	Solid Manure	Liquid Manure	
		No mechanical application unless meets all:	
		1) Pre-tillage completed (except if long term no-till or has perennial or established crops) Surface application on no-till, perenial or established crop may not exceed 10,000 gal/ac per application	
		2) Injected or incorporated within 24 hrs to no more than 6 inches below ground	
		2) And at least one of:	
		a) Rate limited to Table 1. in rule or UW A2809 annual application	
		b) Applied within 10 d of planting date or on perennial or other established crop	
		c) Treated to substantially reduce pathogen levels via practices to a fecal coliform bateria density of less than 500,000 most probable number or colony- forming units per 100 milliliter sample.	
Table 1. Silurian Bedrock Maximum Liquid Manure Application Rates			
Soil Texture	2 to 3 Feet Depth (gal/ac/yr)	3 to 5 Feet Depth (gal/ac/wk)	5 to 20 Feet Depth (gal/ac/wk)
Sand	6,750	6,750	13,500
Sandy Loam	13,500	13,500	27,000*
Loam	13,500	13,500	27,000*
Silt Loam	13,500	13,500	27,000*
Clay Loam	13,500	13,500	20,000*
Clay	6,750	6,750	13,500
* It is anticipated that this rate would exceed the UW A2809 annual (crop year) application rate.			

Non-Winter Manure Application Requirements (WPDES)



Wells: No Manure Applications within 100 Ft Allowed, Surface Applications 200 Ft Upslope Not Allowed



Wetlands: No Manure Applications Allowed within 25 Ft



Potential Shallow Water Soils - **Verify Water Depth is 24" or Greater from Surface B4 Applications, 120# N/ac Limit-Fall**



Potential Bedrock Soils-No Applications Allowed Unless Verify/Document No Bedrock Within 24 inches of Surface



Fall N Restricted: Soil Temps <50 & After Oct 1st, Limit N from manure to 90#/ac, Greater N Needs N Inhibitor or Cover Crop Planted

..... Intermittent Streams

Lakes, Ponds

———— Perennial Streams



When Incorporating No Applications Allowed within 25 Ft of Flow Channels

When Surface Applying No Applications Allowed within 100 Ft of Flow Channels

Long Term No-Till (3+ Yrs)=No Applications Allowed within 25 Ft & Can Surface Apply in Rest of SWQMA if 30% or more residue at time of application and rate limited to 7500 GPA

*****Limit Surface Apps of Liquid Manure to 12,000 GPA within 300' Intermittent-Perennial Stream & 1000' of Lakes,Ponds*****



Concentrated Flow-No Manure Applications



Tile Inlets: When Incorporating or Long Term No-Till= No Applications Allowed within 25 Ft
Surface Applications Setback is 100Ft

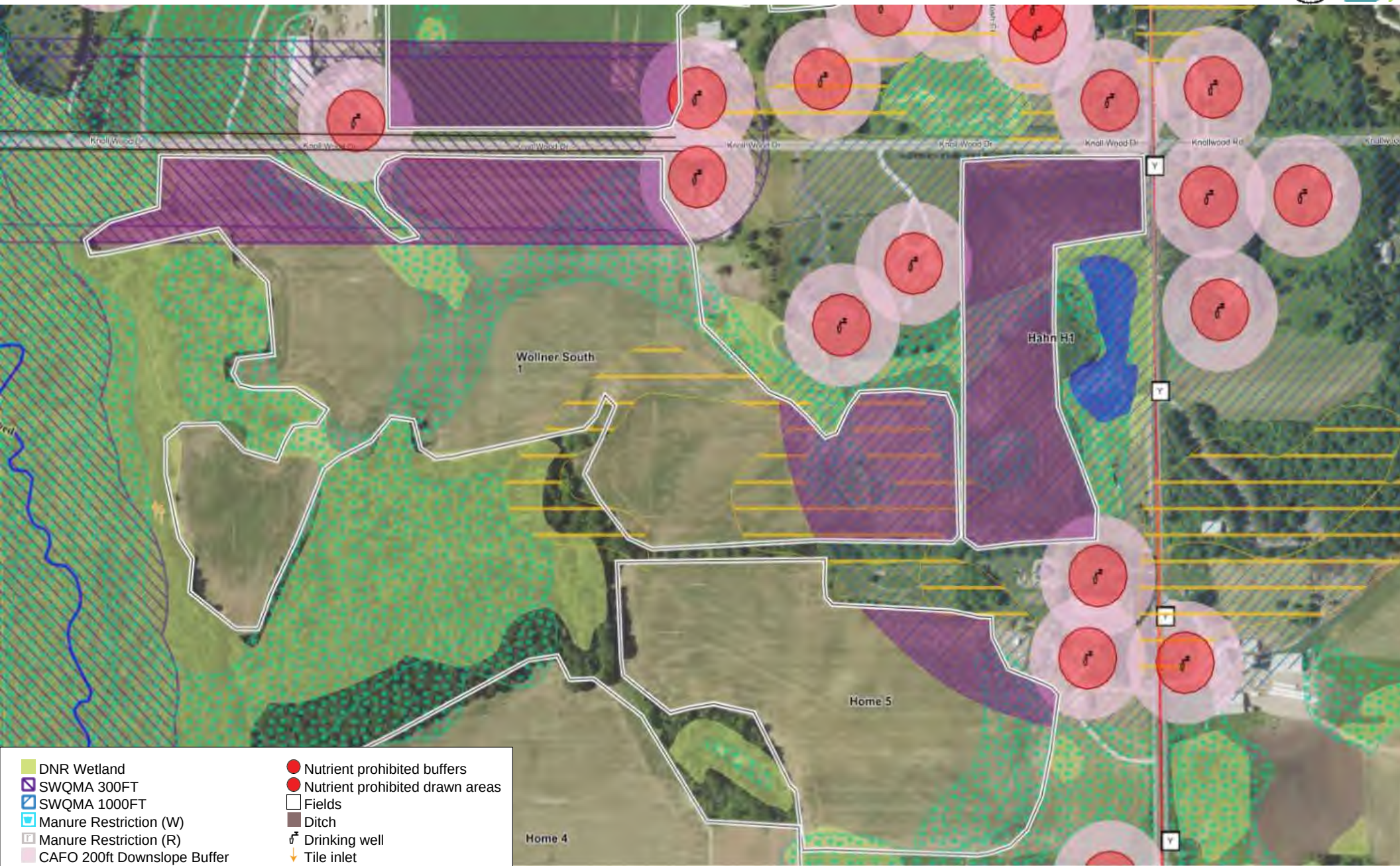


Tile Outlets: Monitor After Manure Applications

Quarries-100 Ft setback

General Requirements

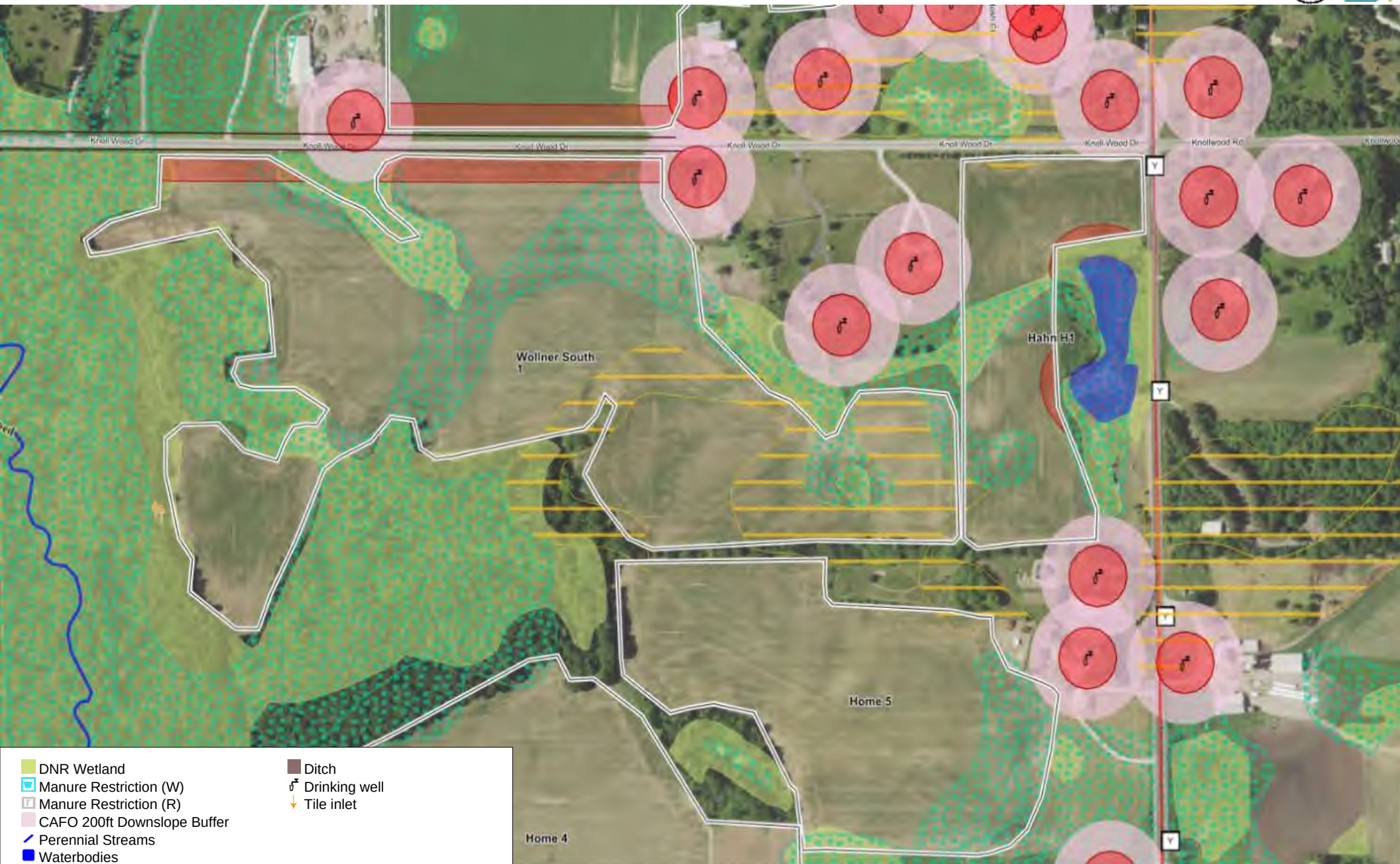
- No applications allowed to areas of concentrated flow (waterways, etc)
- No ponding allowed on application site
- No runoff allowed from application site via overland flow or through tile lines
- Surface applications not allowed when precipitation capable runoff is forecast within 24 hrs. of application
- Manure may not be applied to saturated soils, includes standing water in fields
- Daily Log of All Manure Applications Must be kept

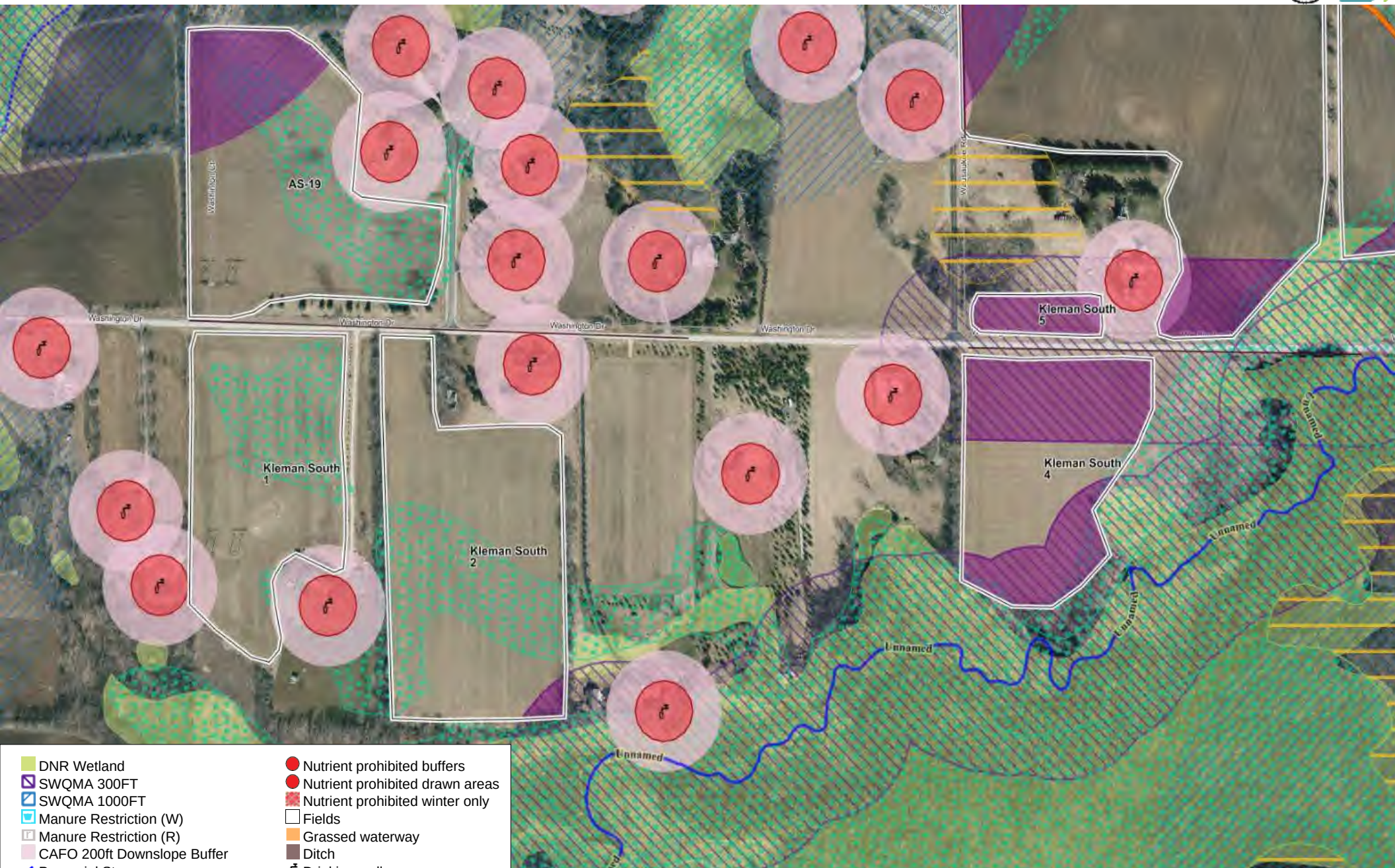


- | | |
|---|---|
|  DNR Wetland |  Nutrient prohibited buffers |
|  SWQMA 300FT |  Nutrient prohibited drawn areas |
|  SWQMA 1000FT |  Fields |
|  Manure Restriction (W) |  Ditch |
|  Manure Restriction (R) |  Drinking well |
|  CAFO 200ft Downslope Buffer |  Tile inlet |
|  Perennial Streams | |
|  Waterbodies | |
|  Counties | |
|  Roads | |
|  P - High Permeability | |
|  Manure prohibited | |
|  Incorporate manure | |

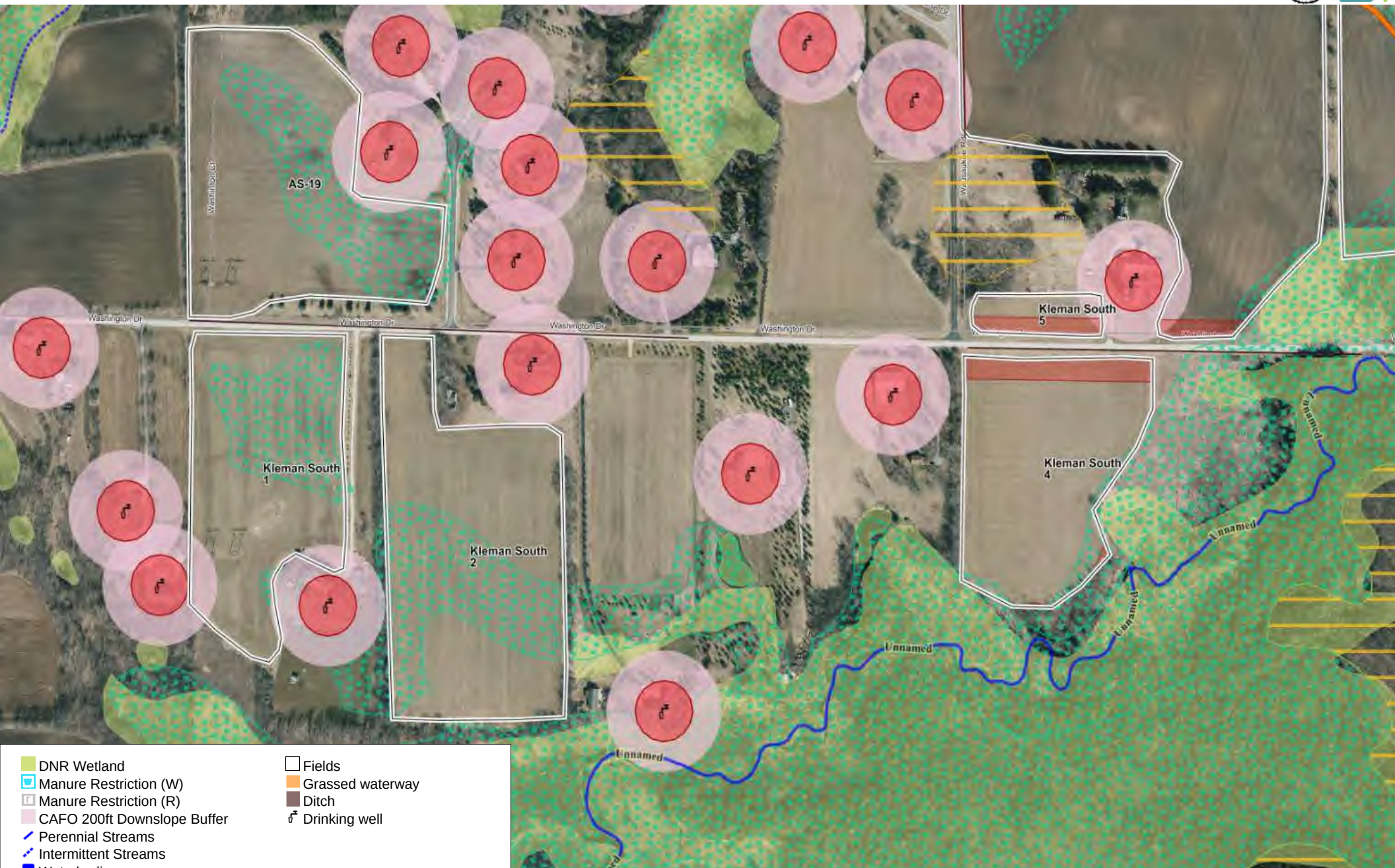
Hahn-Wollner South Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:7/11/2024, Crop year: 2024, Township Range Section:11N 20E s25





- | | |
|---|---|
|  DNR Wetland |  Nutrient prohibited buffers |
|  SWQMA 300FT |  Nutrient prohibited drawn areas |
|  SWQMA 1000FT |  Nutrient prohibited winter only |
|  Manure Restriction (W) |  Fields |
|  Manure Restriction (R) |  Grassed waterway |
|  CAFO 200ft Downslope Buffer |  Ditch |
|  Perennial Streams |  Drinking well |
|  Intermittent Streams | |
|  Waterbodies | |
|  Roads | |
|  P - High Permeability | |
|  Manure prohibited | |
|  Incorporate manure | |



- | | |
|---|--|
|  DNR Wetland |  Fields |
|  Manure Restriction (W) |  Grassed waterway |
|  Manure Restriction (R) |  Ditch |
|  CAFO 200ft Downslope Buffer |  Drinking well |
|  Perennial Streams | |
|  Intermittent Streams | |
|  Waterbodies | |
|  Roads | |
|  P - High Permeability | |
|  Manure prohibited | |
|  Nutrient prohibited buffers | |
|  Nutrient prohibited drawn areas | |
|  Nutrient prohibited winter only | |

MK13-17 Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:7/11/2024, Crop year: 2024, Township Range Section:12N 21E s32



- | | |
|-----------------------------|---------------------------------|
| DNR Wetland | Nutrient prohibited buffers |
| SWQMA 300FT | Nutrient prohibited drawn areas |
| SWQMA 1000FT | Fields |
| Manure Restriction (W) | Drinking well |
| Manure Restriction (R) | Tile outlet |
| CAFO 200ft Downslope Buffer | Tile inlet |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Manure prohibited | |
| Incorporate manure | |

MK13-17 Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:7/11/2024, Crop year: 2024, Township Range Section:12N 21E s32



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields

- Drinking well
- Tile outlet
- Tile inlet

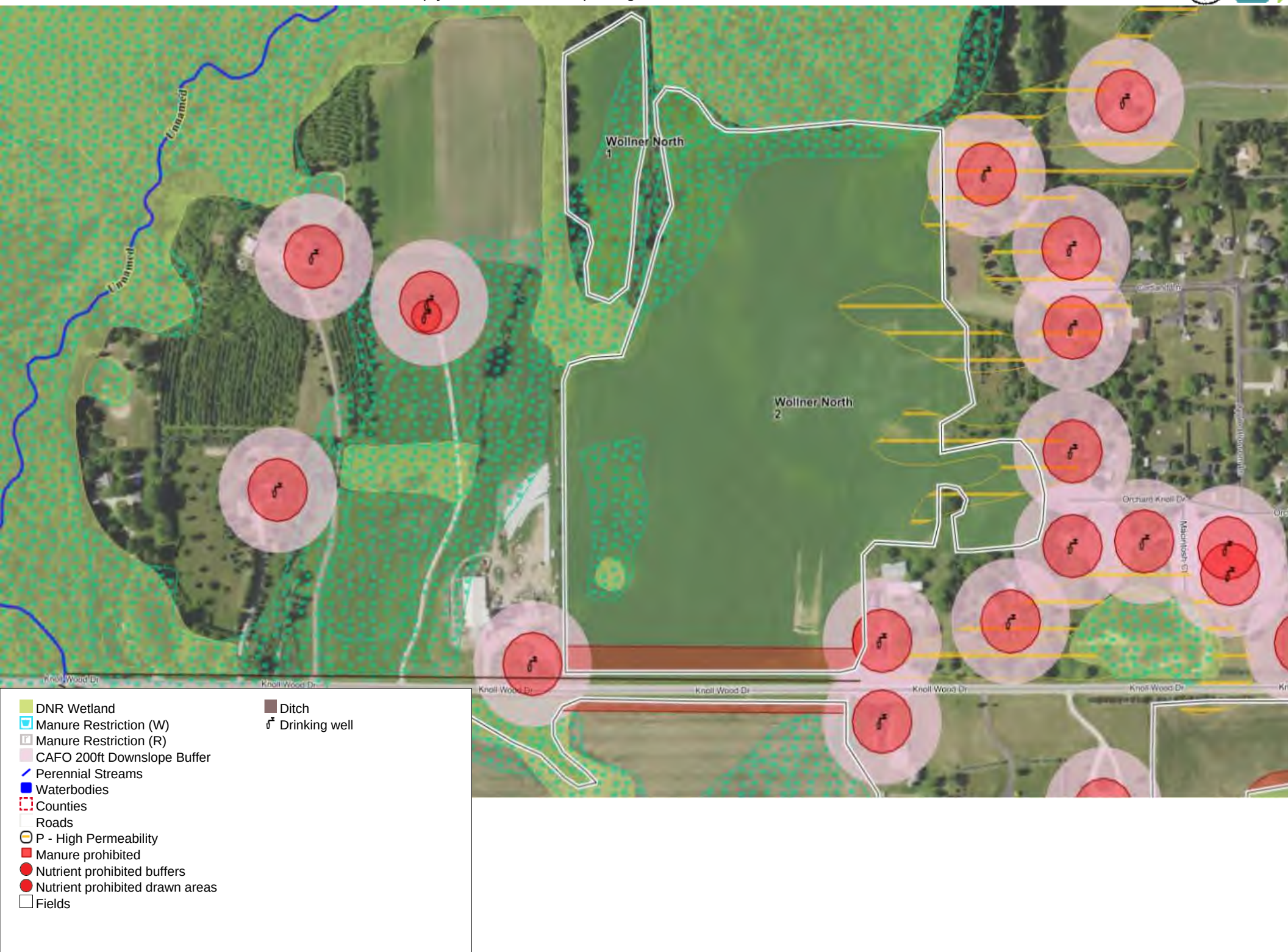
Wollner North Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:7/11/2024, Crop year: 2024, Township Range Section:11N 20E s24



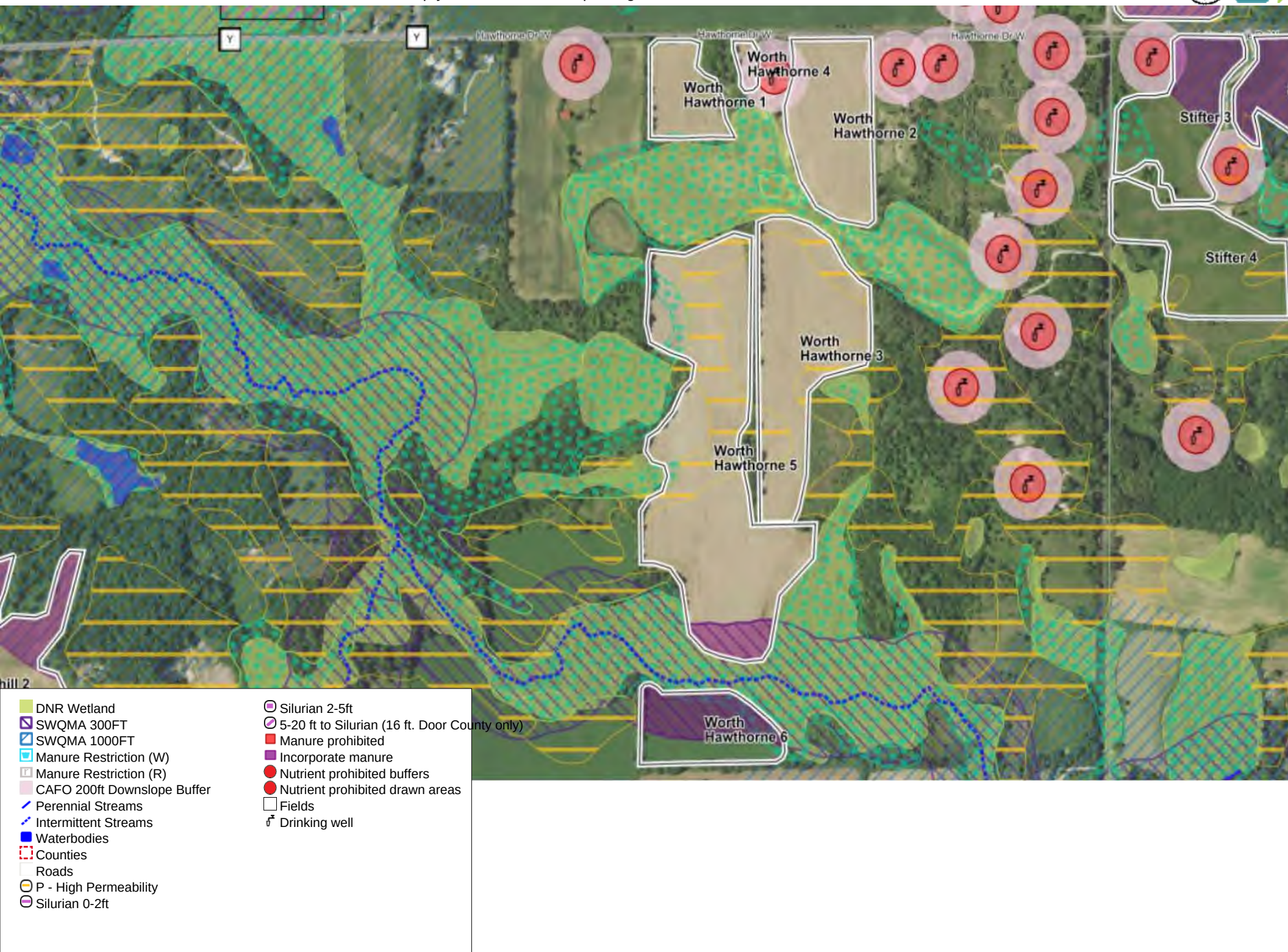
- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Manure prohibited
- Incorporate manure

- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Ditch
- Drinking well



Worth-Hawthorne Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:3/14/2025, Crop year: 2025, Township Range Section:11N 21E s8

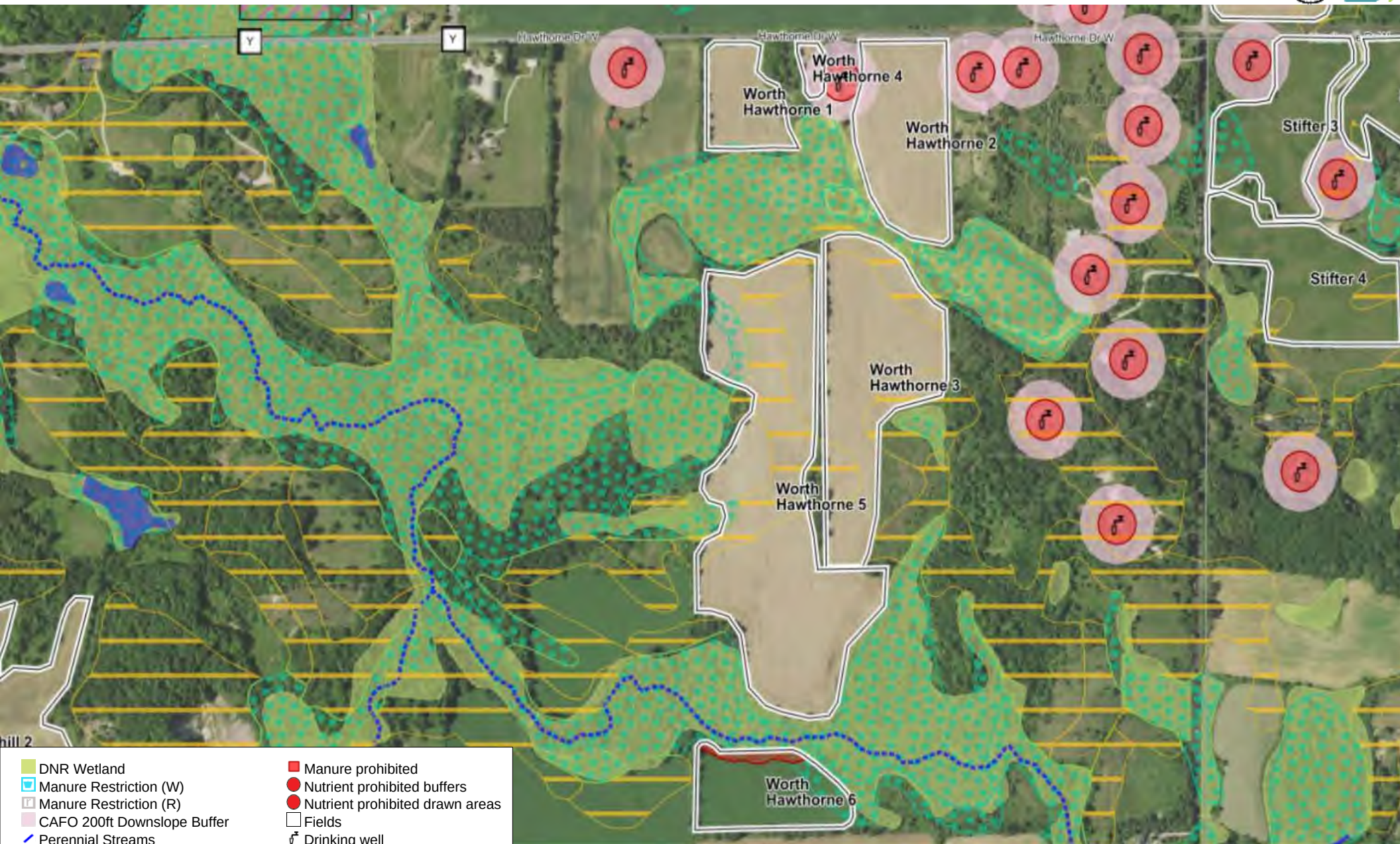


hill 2

- | | |
|-----------------------------|---|
| DNR Wetland | Silurian 2-5ft |
| SWQMA 300FT | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 1000FT | Manure prohibited |
| Manure Restriction (W) | Incorporate manure |
| Manure Restriction (R) | Nutrient prohibited buffers |
| CAFO 200ft Downslope Buffer | Nutrient prohibited drawn areas |
| Perennial Streams | Fields |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |

Worth-Hawthorne Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:3/14/2025, Crop year: 2025, Township Range Section:11N 21E s8



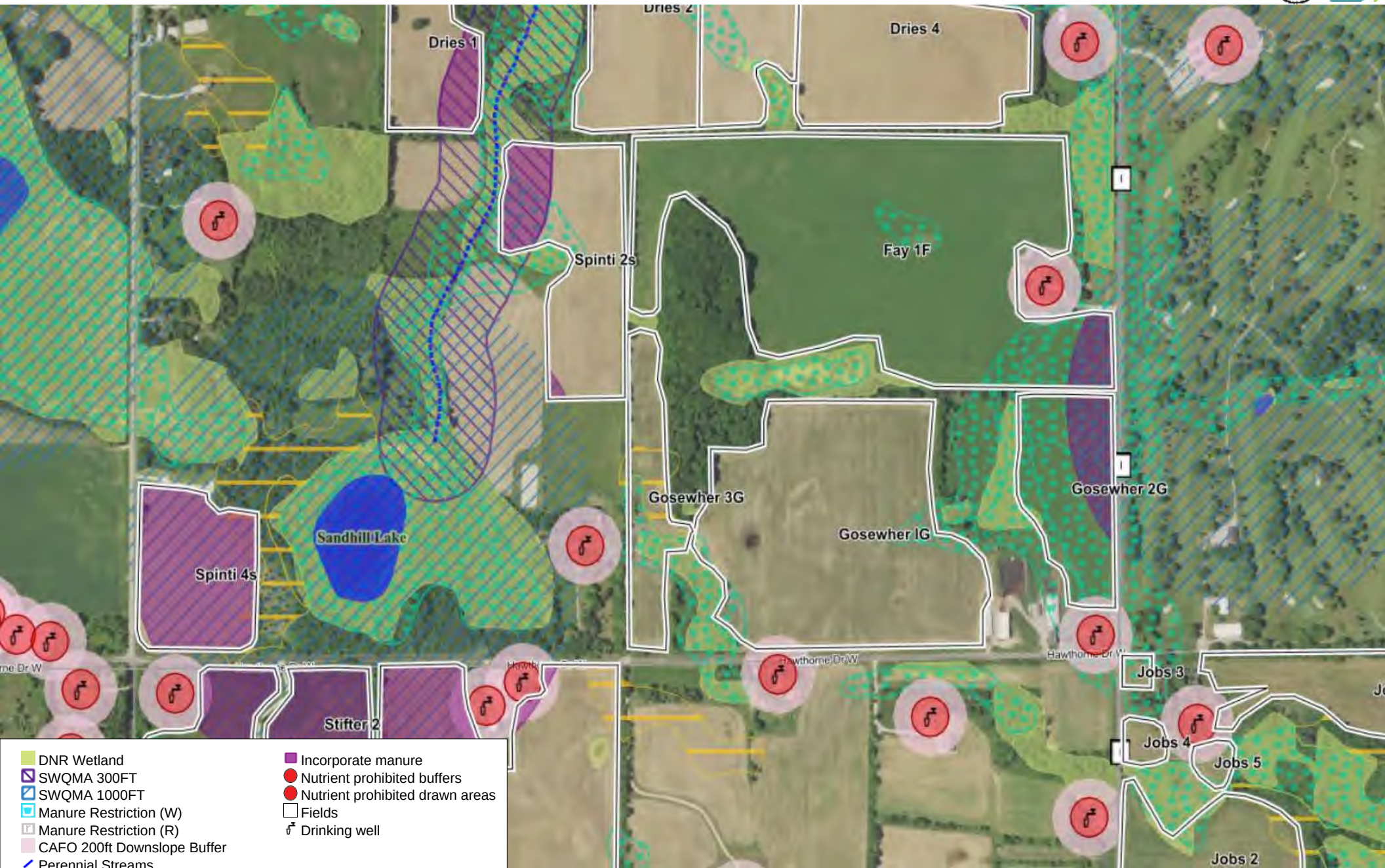
- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well





Fay-Gosewher-Spinti Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:7/23/2025, Crop year: 2025, Township Range Section:11N 21E s4



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Fay-Gosewher-Spinti Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 21E s4



Heifer Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:3/14/2025, Crop year: 2025, Township Range Section:11N 21E s22



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Heifer Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:3/14/2025, Crop year: 2025, Township Range Section:11N 21E s22



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Jobs Farm Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:3/14/2025, Crop year: 2025, Township Range Section:11N 21E s10



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Densow-Last Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 21E s15



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Roads
- Manure prohibited
- Incorporate manure
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas

- Fields
- Drinking well

Densow-Last Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:11N 21E s15



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Roads
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Merz-NN Restrictions

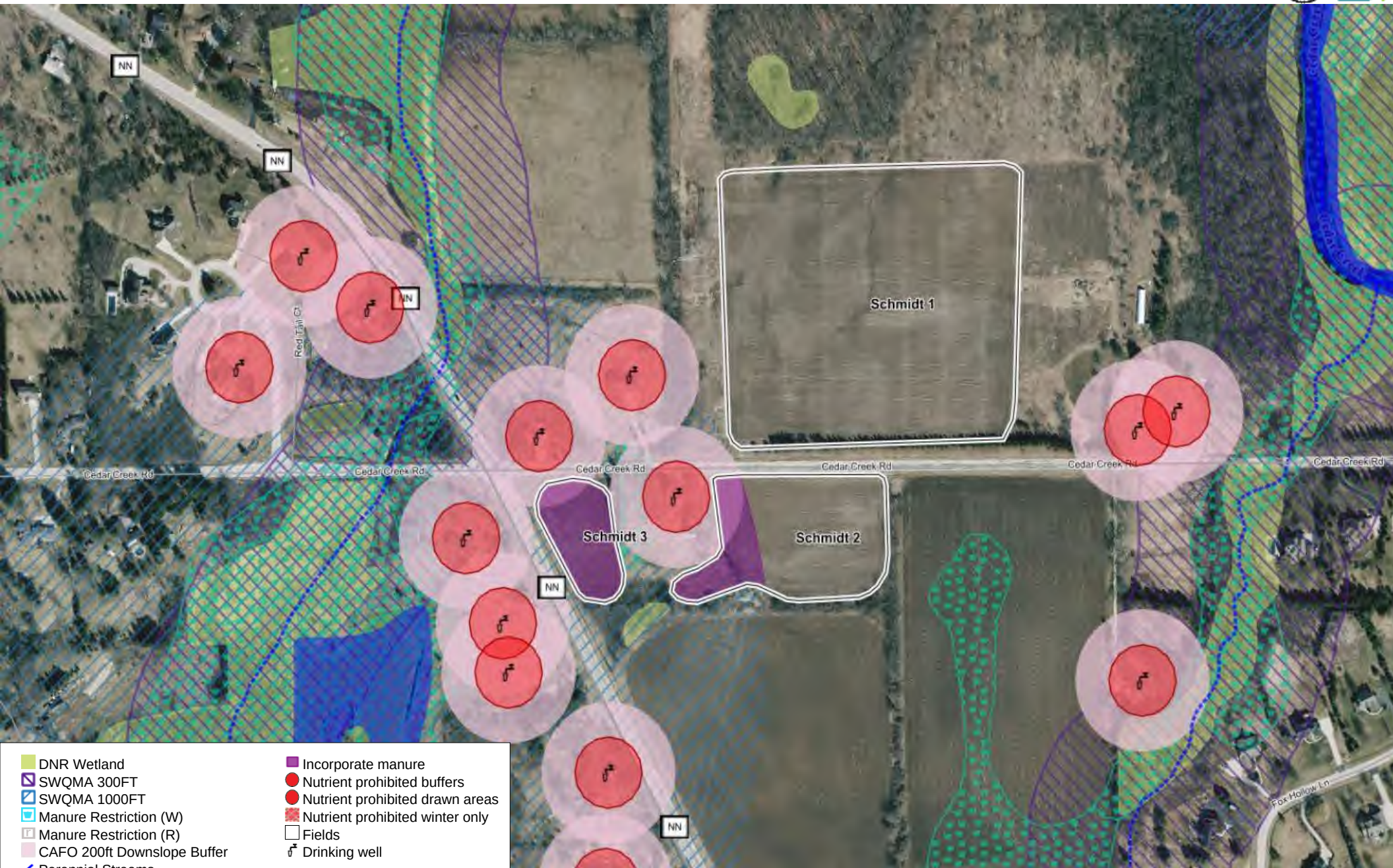
Farm: Rob-N-Cin Farms , V20 Generated:3/16/2025, Crop year: 2025, Township Range Section:11N 20E s33



- DNR Wetland
- SWQMA 300FT
- SWQMA 1000FT
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

Schmidt 1-3 Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:10N 21E s9



- | | |
|-----------------------------|---------------------------------|
| DNR Wetland | Incorporate manure |
| SWQMA 300FT | Nutrient prohibited buffers |
| SWQMA 1000FT | Nutrient prohibited drawn areas |
| Manure Restriction (W) | Nutrient prohibited winter only |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Drinking well |
| Perennial Streams | |
| Intermittent Streams | |
| Waterbodies | |
| Counties | |
| Roads | |
| P - High Permeability | |
| Manure prohibited | |

Schmidt1-3 Surface Application Restrictions

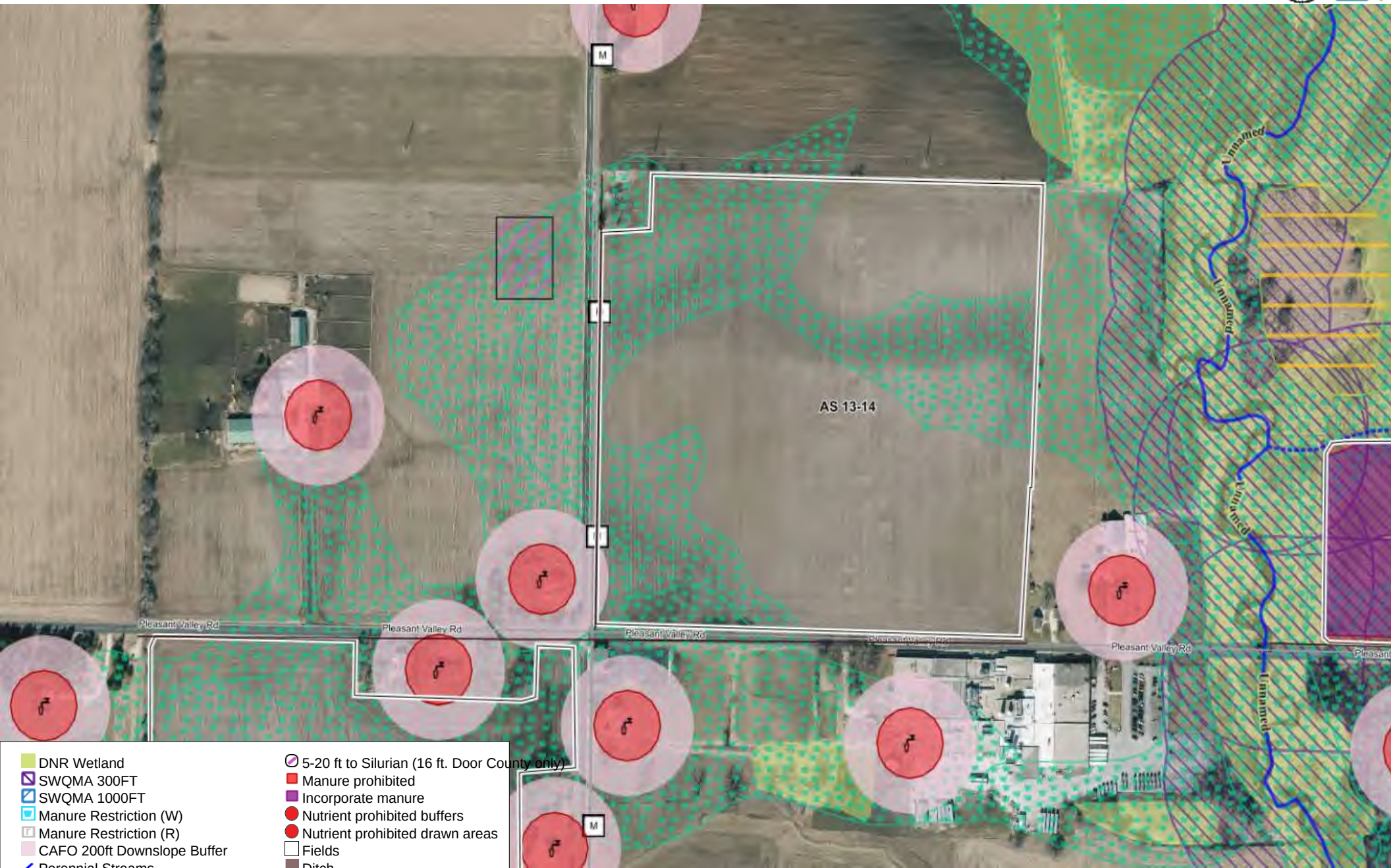
Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:10N 21E s9



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Perennial Streams
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Nutrient prohibited winter only
- Fields
- Drinking well

AS 13-14 Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:1/23/2026, Crop year: 2026, Township Range Section:10N 20E s1



- | | |
|-----------------------------|---|
| DNR Wetland | 5-20 ft to Silurian (16 ft. Door County only) |
| SWQMA 300FT | Manure prohibited |
| SWQMA 1000FT | Incorporate manure |
| Manure Restriction (W) | Nutrient prohibited buffers |
| Manure Restriction (R) | Nutrient prohibited drawn areas |
| CAFO 200ft Downslope Buffer | Fields |
| Perennial Streams | Ditch |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |

Bell 1B Restrictions

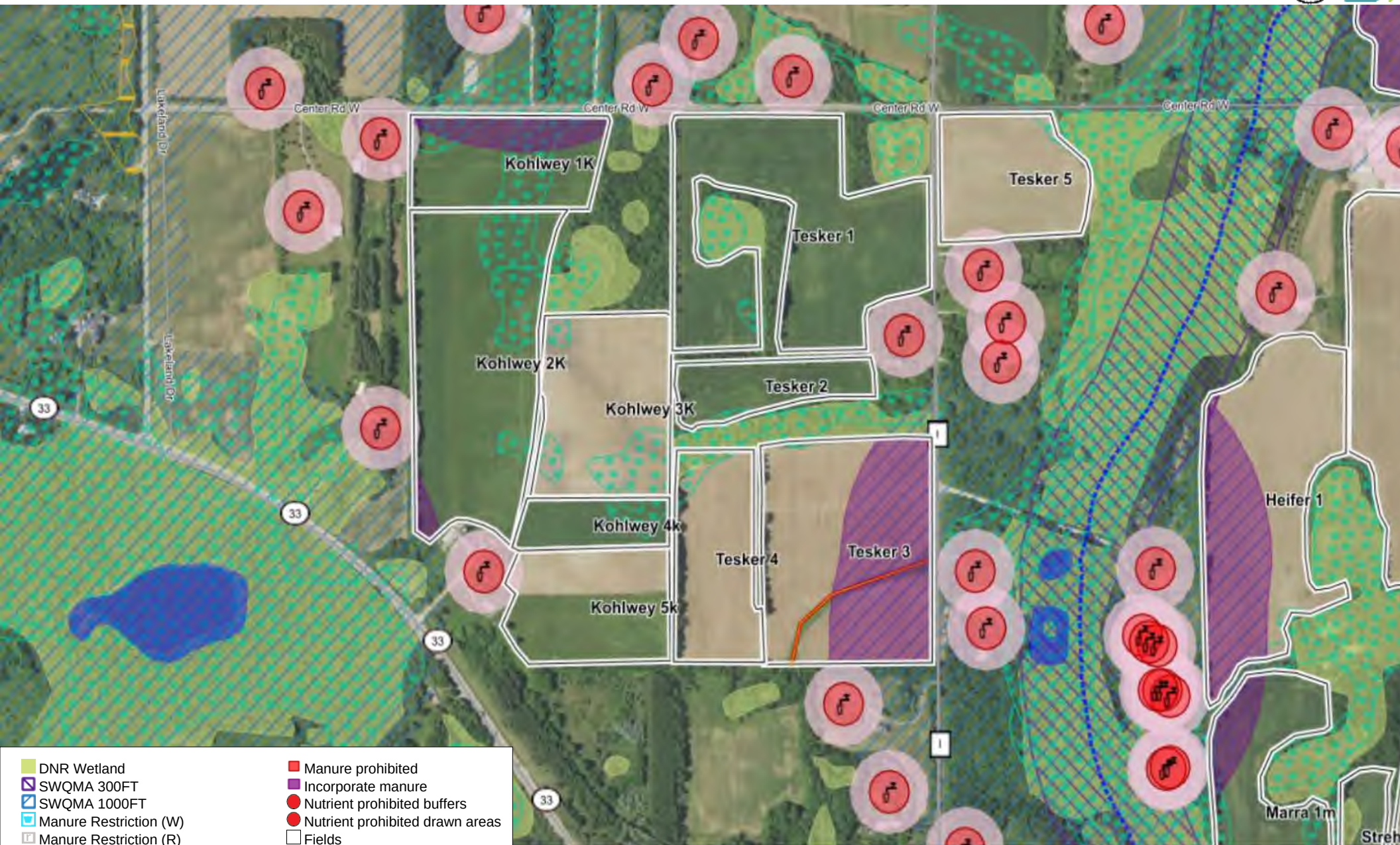
Farm: Rob-N-Cin Farms , V20 Generated:4/22/2025, Crop year: 2025, Township Range Section:11N 21E s28



- | | |
|---|---------------------------------|
| DNR Wetland | Incorporate manure |
| SWQMA 300FT | Nutrient prohibited buffers |
| SWQMA 1000FT | Nutrient prohibited drawn areas |
| Manure Restriction (W) | Fields |
| Manure Restriction (R) | Drinking well |
| CAFO 200ft Downslope Buffer | |
| Waterbodies | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |

Kohlwey-Tesker Incorporation Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:4/22/2025, Crop year: 2025, Township Range Section:11N 21E s21



- | | |
|---|---------------------------------|
| DNR Wetland | Manure prohibited |
| SWQMA 300FT | Incorporate manure |
| SWQMA 1000FT | Nutrient prohibited buffers |
| Manure Restriction (W) | Nutrient prohibited drawn areas |
| Manure Restriction (R) | Fields |
| CAFO 200ft Downslope Buffer | Grassed waterway |
| Intermittent Streams | Drinking well |
| Waterbodies | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |

Kohlwey-Tesker Surface Application Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:4/23/2025, Crop year: 2025, Township Range Section:11N 21E s21



- DNR Wetland
- Manure Restriction (W)
- Manure Restriction (R)
- CAFO 200ft Downslope Buffer
- Intermittent Streams
- Waterbodies
- Counties
- Roads
- P - High Permeability
- Silurian 0-2ft
- Silurian 2-5ft
- 5-20 ft to Silurian (16 ft. Door County only)
- Manure prohibited
- Nutrient prohibited buffers
- Nutrient prohibited drawn areas
- Fields
- Drinking well

SLT Restrictions

Farm: Rob-N-Cin Farms , V20 Generated:4/22/2025, Crop year: 2025, Township Range Section:11N 21E s33



- | | |
|---|---------------------------------|
| DNR Wetland | Incorporate manure |
| SWQMA 300FT | Nutrient prohibited buffers |
| SWQMA 1000FT | Nutrient prohibited drawn areas |
| Manure Restriction (W) | Fields |
| Manure Restriction (R) | Drinking well |
| CAFO 200ft Downslope Buffer | |
| Waterbodies | |
| Roads | |
| P - High Permeability | |
| Silurian 0-2ft | |
| Silurian 2-5ft | |
| 5-20 ft to Silurian (16 ft. Door County only) | |
| Manure prohibited | |



May 27, 2025

Washington County
Approval

Robert Roden
Rob-n-Cin Farms LLC
5545 County Road Y
West Bend, WI 53096

SUBJECT: Conditional Approval of Rob-n-Cin Farms LLC Nutrient Management Plan, WPDES
Permit No. 0067409-01-0

Dear Mr. Roden:

After completing a review of Rob-n-Cin Farms LLC 2025-2029 Nutrient Management Plan (NMP) the Wisconsin Department of Natural Resources (Department) is providing conditional approval that it is consistent with Nutrient Management Requirements in s. NR 243, Wis. Adm. Code. This part of your WPDES permit application is now ready for the public notice and comment process as required by Ch. 283 Stats.

Before applying manure onto approved fields each season, the Department recommends Rob-n-Cin Farms LLC review the NMP with those individuals involved with manure applications to ensure all remain familiar with the approved manure spreading protocol, spreading maps, field and map verification, record keeping requirements, and all the conditions of this approval.

FINDINGS OF FACT

The Department confirms that:

1. A current dairy herd size of 1,895 animal units (930 milking & dry cows, 580 heifers, 150 calves and 50 steers). A planned herd size of 2,925 animal units (1,600 milking & dry cows, 660 heifers, 160 calves, and 50 steers) by 2030.
2. Manure generation and spreading records indicate your herd will annually generate approximately 12,160,743 gallons of manure and process wastewater and 3,237 tons of solid manure in the first year of the permit term. After the planned expansion your herd will annually generate approximately 18,983,203 gallons of manure and process wastewater and 4,363 tons of solid manure.
3. The use of application restriction options 1, 2 and 5 within surface water quality management areas.
4. The use of phosphorus delivery method P Index.
5. That Rob-n-Cin Farms LLC currently has 3,229.1 acres (611.1 owned and 2,618.8 controlled through contracts, rental agreements or leases, or under manure agreements) of which 3,203.7 are spreadable acres.

6. That all fields will be checked for the following features prior to/during manure or process wastewater applications: soil areas with possible shallow groundwater (i.e., within 24 inches of surface) at the time of manure application; required setbacks associated with wells, navigable waters, conduits to navigable waters, grassed waterways, wetlands, possible soil erosion/flow channels.
7. That surface applications of manure will not be completed when precipitation capable of producing runoff is forecasted within 24 hours of the time of planned application.

CONDITIONAL NUTRIENT MANAGEMENT PLAN APPROVAL

The Department hereby approves the 2025-2029 Rob-n-Cin Farms LLC Nutrient Management Plan subject to the following conditions and the applicable requirements of Ch. NR 243, Wis. Adm. Code:

FIELD AND MANURE MANAGEMENT

1. Fields not included in the NMP and new fields shall not receive manure or process wastewater applications until they have been properly soil sampled, entered into Snap Plus, evaluated for their nutrient needs, and approved by the Department.
2. The following fields have also been approved to receive industrial, municipal, or septage waste:

Field Name	Other Permittee Name	Other Permittee Field Name	DNR #
Heifer 1	ROBERT RODEN	RR-1	89984
Heifer 2	ROBERT RODEN	RR-1	89984
Lane North 1-2L	ROBERT RODEN	LANE-2L	103095
Lane North 1-2L	ROBERT RODEN	LANE-1L	103094
Lane North 3L	ROBERT RODEN	LANE-3L	103096
MK-3	BADGER STATE WASTE LLC	MK-4	112468
MK-4	BADGER STATE WASTE LLC	MK-1	112467
MK-5	BADGER STATE WASTE LLC	MK-2	11339
MK-6	BADGER STATE WASTE LLC	MK-3	30659
Roden 2	ROBERT RODEN	RODEN-2	89985
Strehlow 2s	ROBERT RODEN	STREHL-2S	103091
Tillmann Port 1	SAUKVILLE VILLAGE SEWER UTILITY	32-1	116045
Tillmann Port 2	SAUKVILLE VILLAGE SEWER UTILITY	32-1	116045
Tillmann Port 3	SAUKVILLE VILLAGE SEWER UTILITY	32-1	116045
Tillmann Port 4	SAUKVILLE VILLAGE SEWER UTILITY	32-2	116046
Tillmann Port 5	SAUKVILLE VILLAGE SEWER UTILITY	LAKESH-3	116054

Tillmann Port 6	SAUKVILLE VILLAGE SEWER UTILITY	LAKESH-3	116054
Tillmann Port 7	SAUKVILLE VILLAGE SEWER UTILITY	LAKESH-3	116054
Tillmann Port 8	SAUKVILLE VILLAGE SEWER UTILITY	LAKESH-3	116054
Tillmann Port 9	SAUKVILLE VILLAGE SEWER UTILITY	LAKESH-3	116054
Worth-O 1	ROBERT RODEN	WORTH-1	82054
Worth-O 2	ROBERT RODEN	WORTH-2	11249
Worth-O 3	ROBERT RODEN	WORTH-2	11249
Worth-O 4	ROBERT RODEN	WORTH-2	11249

Prior to any manure applications on these fields Rob-n-Cin Farms LLC shall contact the entities listed above to obtain recent spreading records and make the necessary adjustments to the planned manure application rates. At the end of each year Rob-n-Cin Farms LLC shall contact each entity listed above to obtain spreading records from the previous year so that they can be properly tracked in the NMP. Please Note: Rob-n-Cin Farms LLC is responsible for obtaining nutrient content values for all other wastes spread on any field in their NMP.

3. The following fields are prohibited from receiving applications of manure or process wastewater:

- AS 11E (default soil test)
- AS 11E (default soil test)
- MK-14 (default soil test)
- Strehlow 2s (default soil test)
- Jobs 3 (default soil test)
- Lochen 1 (default soil test)
- MK-15 (default soil test)
- Roeckl 5 (>200ppm P)
- Jobs 4 (default soil test)
- Marra 1m (default soil test)
- Strehlow 1s (default soil test)

If Rob-n-Cin Farms LLC wishes to use these fields for applications of manure or process wastewater all necessary information shall be submitted to the Department prior to application to demonstrate compliance with NR 243 and other applicable codes. Written Department approval amending this condition approval must be received prior to application.

4. If existing fields yield a soil test results equal to or greater than 200 ppm P, those fields would be prohibited from receiving manure or process wastewater applications, unless you obtain Department approval in accordance with NR 243.14(5)(b)2., Wis. Adm. Code.
5. All liquid manure samples collected may be analyzed, at a minimum, for percent dry matter, total nitrogen, percent $\text{NH}_4\text{-N}$, percent $\text{NO}_3\text{-N}$, phosphorus, potassium, and sulfur.
6. If manure sample results have a dry matter (DM) content less than 2.0% and the percent ammonium (NH_4^+) is greater than 75% of the total N, Rob-n-Cin Farms LLC may use the following equation to adjust the first year available nitrogen when applications are injected or incorporated within 1 hour:

$$\text{First-Year Available N} = \text{NH}_4\text{-N} + [0.25 \times (\text{Total N} - \text{NH}_4\text{-N})]$$

7. Rob-n-Cin Farms LLC shall record daily manure applications by using form 3200-123A. These forms shall be retained at the farm and provided to the department upon request.
8. Rob-n-Cin Farms LLC shall annually submit a spreading report that summarizes the land application activities listed under NR 243.19(3)(c)5., Wis. Adm. Code by using SNAP Plus form 'Annual Spreading Report'.

WINTER SPREADING

9. Liquid manure applications during winter conditions, as defined by NR 243.14(7), Wis. Adm. Code, are prohibited with the exception of emergency applications.
10. The following field(s) are approved for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:

- AS 13-14	- AS 15S	- St. Augustine 1
- St. Augustine 2	- Kleman N K1	- Slagel 2
- Home 1	- Home 4	- Wausaukee 8
- Schaefer 1	- Schaefer 2	- Schaefer 3
- Wollner North 2	- Lochen 1	- Mayer 1
- Mayer 2	- Preschat 2	- Paul 1
- Paul 2	- Stroebe1 4	- Stroebe1 5
- Stroebe1 6	- Stroebe1 7	- Kohlwey 2K
- Kohlwey 3K	- Kohlwey 5K	- Last 1-4
- Heifer 2	- Worth 0-1	- Worth 0-2
- Oneil Cty 1-2	- Gundrum 2	- Rathke 1
- Rathke 2	- MK-7	- MK-8
- MK-15	- MK-16	- Worth Hawthorne 3
- Worth Hawthorne 5	- Kleman South 1	- Kleman South 2
- Kleman South 3	- Fay 1F	- Gosewher 1G
- Dries 4	- Dries 2	- Dries 3

11. The following field(s) are denied for winter spreading solid manure, emergency applications of liquid manure and frozen liquid manure:
 - AS 15N (inadequate acres)
12. Winter spreading of solid and liquid manure may not occur during the "high risk runoff period" pursuant to s. NR 243.14(6)(c) and NR 243.14(7)(c), respectively.
13. Winter applications of liquid manure shall only occur under emergency situations, after notifying the Department and receiving verbal approval.
14. Liquid applications shall be limited to 3,500 gallons per acre or 30 lbs. P per acre, whichever is less, on slopes 2-6% and 7,000 gallons per acre or 60 lbs. P per acre, whichever is less, on slopes 0-2%. Winter applications of solid manure shall be limited to 60 lbs. P per acre.

HEADLAND STACKING

15. The following sites are approved for non-winter and winter headland stacking:

- | | | |
|------------------------------|----------------|-----------------|
| - Home 1 #1 | - Home 4 #1 | - Home 4 #2 |
| - Roden 2 #1 | - Roden 2 #2 | - Rathke 1 #1 |
| - Rathke 1 #2 | - Stroebe 4 #1 | - Stroebe 5#1 |
| - Stroebe 6 #1 | - Gundrum 1 #1 | - Kohlwey 3K #1 |
| - Last 1-4 #1 | - Last 1-4 #2 | - Last 1-4 #3 |
| - Worth O-1 #1 | - Worth O-1 #2 | - Worth O-2 #1 |
| - Tillmann Cedarburg 1
#1 | | |

MANURE & PROCESS WASTEWATER IRRIGATION

16. Irrigation of manure or process wastewater is prohibited.

NR243.143/151.075 SILURIAN BEDROCK PERFORMANCE STANDARDS

Manure generated by Rob-n-Cin Farms LLC that is mechanically applied to the following approved fields meet planning requirements under NR243.143/151.075, Silurian bedrock performance standards. The following fields are required to meet all requirements under NR243.143/151.075, Silurian bedrock performance. Any fields not on this list that are identified as <20ft to Silurian bedrock must abide by the same rules:

- | | | |
|----------|-------------|------------|
| - AS 1 | - AS 3 | - Roeckl 1 |
| - AS 10 | - AS 4 | - Roeckl 4 |
| - AS 11 | - AS 7 | - Roeckl 5 |
| - AS 11E | - AS 8 | - Slagel 2 |
| - AS 2 | Proefrock 1 | |

SUBMITAL AND RECORDKEEPING REQUIREMENTS

17. A copy of this conditional approval shall be included in all future annual Nutrient Management Plan Updates in addition to the NR 243 and NRCS 590 checklists.

This conditional approval does not limit the Department's regulatory authority to require NMP revisions (based upon new information or manure irrigation research findings) or request additional information in order to confirm or ensure your farm operation remains in compliance with NR 243 and your WPDES permit conditions. If additional information, project changes or other circumstances indicate a possible need to modify this approval, the Department may ask you to provide further information relating to this activity.

Please keep in mind that approval by the Department of Natural Resources – Runoff Management Program does not relieve you of obligations to meet all other applicable federal, state or local permits, zoning and regulatory requirements.

If you have any questions regarding this approval I can be reached at 715-214-5503 or Aaron.Orourke@Wisconsin.gov.

Sincerely,



Aaron O'Rourke
WDNR Nutrient Management Program Coordinator
Wisconsin Department of Natural Resources

cc: Kate Markiewicz, WDNR Agricultural Runoff Specialist (Kate.Markiewicz@Wisconsin.gov)
Michelle Scott, WDNR Watershed Field Supervisor (Michelle.Scott@Wisconsin.gov)
Chris Clayton, WDNR Ag Runoff Section Chief (Christopherr.Clayton@Wisconsin.gov)
Ashley Scheel, WDNR CAFO NMP Reviewer (Ashley.Scheel@Wisconsin.gov)
Falon French, WDNR Intake Specialist (Falon.French@Wisconsin.gov)
Paul Backhaus, Washington County (Paul.Backhaus@washcowisco.gov)
Kevin Beckard, AgSource Labs (Kevin.Beckard@agsource.com)
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